284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : CON ED UTEN MOUNT VERNON, NY

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q1915

ATTENTION : Marcie Ann Encinas

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1915

Project ID : Con Ed UTEN Mount Vernon, NY

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q1915-01	WC-04282025

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 11:30 am, May 15, 2025

Date: 5/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: Con Ed UTEN Mount Vernon, NY
Project # N/A
Order ID # Q1915
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 04/29/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP BNA.

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 TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF043025.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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E. Additional Comments:
This Data package has been revised due to data package type changed as per client request.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
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 11:30 am, May 15, 2025

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

Order ID: Q1915 MATRIX: TCLP

METHOD: 8270E/3510/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The % RSD is greater than 20% in the Initial Calibration (8270-BF043025.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.			
	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.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all samples .			
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:

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

NA NO YES

This Data package has been revised due to data package type changed as per client request.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
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 10:04 am, May 15, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1915

	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:** 05/15/2025

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LAB CHRONICLE

OrderID:	Q1915	**OrderDate:**	4/29/2025 2:29:00 PM
Client:	CDM Smith	**Project:**	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1915-01	**WC-04282025**	**TCLP**			**04/28/25**			**04/29/25**
			TCLP BNA	8270E		04/30/25	05/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1915

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1915

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167774TB	PB167774TB	2-Fluorophenol	150	116	78		10	139
		Phenol-d6	150	116	77		10	134
		Nitrobenzene-d5	100	87.3	87		49	133
		2-Fluorobiphenyl	100	72.1	72		52	132
		2,4,6-Tribromophenol	150	131	87		44	137
		Terphenyl-d14	100	67.9	68		48	125
PB167810BL	PB167810BL	2-Fluorophenol	150	110	73		10	139
		Phenol-d6	150	109	73		10	134
		Nitrobenzene-d5	100	83.3	83		49	133
		2-Fluorobiphenyl	100	69.1	69		52	132
		2,4,6-Tribromophenol	150	124	83		44	137
		Terphenyl-d14	100	63.3	63		48	125
PB167810BS	PB167810BS	2-Fluorophenol	150	111	74		10	139
		Phenol-d6	150	113	75		10	134
		Nitrobenzene-d5	100	82.4	82		49	133
		2-Fluorobiphenyl	100	68.5	69		52	132
		2,4,6-Tribromophenol	150	132	88		44	137
		Terphenyl-d14	100	74.1	74		48	125
Q1901-08MS	B-167-SB01MS	2-Fluorophenol	150	96.6	64		10	139
		Phenol-d6	150	89.8	60		10	134
		Nitrobenzene-d5	100	84.0	84		49	133
		2-Fluorobiphenyl	100	70.7	71		52	132
		2,4,6-Tribromophenol	150	126	84		44	137
		Terphenyl-d14	100	70.4	70		48	125
Q1901-08MSD	B-167-SB01MSD	2-Fluorophenol	150	99.4	66		10	139
		Phenol-d6	150	92.8	62		10	134
		Nitrobenzene-d5	100	87.8	88		49	133
		2-Fluorobiphenyl	100	72.3	72		52	132
		2,4,6-Tribromophenol	150	133	88		44	137
		Terphenyl-d14	100	72.8	73		48	125
Q1915-01	WC-04282025	2-Fluorophenol	150	101	67		10	139
		Phenol-d6	150	91.6	61		10	134
		Nitrobenzene-d5	100	86.8	87		49	133
		2-Fluorobiphenyl	100	75.3	75		52	132
		2,4,6-Tribromophenol	150	116	78		44	137
		Terphenyl-d14	100	57.8	58		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1915

Client: CDM Smith

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1901-08MS		**Client Sample ID: B-167-SB01MS**						**DataFile: BF142277.D**			
Pyridine	500	24.1	270	ug/L	49				10	109	
1,4-Dichlorobenzene	500	0	340	ug/L	68				55	125	
2-Methylphenol	500	0	360	ug/L	72				60	131	
3+4-Methylphenols	500	0	360	ug/L	72				54	136	
Hexachloroethane	500	0	350	ug/L	70				19	146	
Nitrobenzene	500	0	440	ug/L	88				62	112	
Hexachlorobutadiene	500	0	380	ug/L	76				52	125	
2,4,6-Trichlorophenol	500	0	470	ug/L	94				78	112	
2,4,5-Trichlorophenol	500	0	460	ug/L	92				71	111	
2,4-Dinitrotoluene	500	0	500	ug/L	100				74	137	
Hexachlorobenzene	500	0	440	ug/L	88				72	115	
Pentachlorophenol	1000	0	940	ug/L	94				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1915

Client: CDM Smith

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1901-08MSD		**Client Sample ID:** B-167-SB01MSD						**DataFile:** BF142278.D			
Pyridine	500	24.1	280	ug/L	51		4		10	109	20
1,4-Dichlorobenzene	500	0	340	ug/L	68		0		55	125	20
2-Methylphenol	500	0	370	ug/L	74		3		60	131	20
3+4-Methylphenols	500	0	370	ug/L	74		3		54	136	20
Hexachloroethane	500	0	370	ug/L	74		6		19	146	20
Nitrobenzene	500	0	460	ug/L	92		4		62	112	20
Hexachlorobutadiene	500	0	390	ug/L	78		3		52	125	20
2,4,6-Trichlorophenol	500	0	480	ug/L	96		2		78	112	20
2,4,5-Trichlorophenol	500	0	470	ug/L	94		2		71	111	20
2,4-Dinitrotoluene	500	0	530	ug/L	106		6		74	137	20
Hexachlorobenzene	500	0	450	ug/L	90		2		72	115	20
Pentachlorophenol	1000	0	970	ug/L	97		3		52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1915

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167810BS	Pyridine	50	37.2	ug/L	74				29	97	
	1,4-Dichlorobenzene	50	39.6	ug/L	79				76	103	
	2-Methylphenol	50	41.0	ug/L	82				69	109	
	3+4-Methylphenols	50	40.8	ug/L	82				67	106	
	Hexachloroethane	50	41.8	ug/L	84				76	118	
	Nitrobenzene	50	45.8	ug/L	92				58	106	
	Hexachlorobutadiene	50	41.5	ug/L	83				69	101	
	2,4,6-Trichlorophenol	50	43.4	ug/L	87				61	110	
	2,4,5-Trichlorophenol	50	44.9	ug/L	90				70	106	
	2,4-Dinitrotoluene	50	49.8	ug/L	100				60	115	
	Hexachlorobenzene	50	41.6	ug/L	83				73	106	
	Pentachlorophenol	100	93.4	ug/L	93				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167810BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG NO.: Q1915

Lab File ID: BF142254.D Lab Sample ID: PB167810BL

Instrument ID: BNA_F Date Extracted: 04/30/2025

Matrix: (soil/water) water Date Analyzed: 05/01/2025

Level: (low/med) LOW Time Analyzed: 12:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167810BS	PB167810BS	BF142255.D	05/01/2025
WC-04282025	Q1915-01	BF142261.D	05/01/2025
B-167-SB01MS	Q1901-08MS	BF142277.D	05/02/2025
B-167-SB01MSD	Q1901-08MSD	BF142278.D	05/02/2025
PB167774TB	PB167774TB	BF142256.D	05/01/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1915 SDG NO.: Q1915

Lab File ID: BF142238.D DFTPP Injection Date: 04/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	27.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	37.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142239.D	04/30/2025	11:24
SSTDICC005	SSTDICC005	BF142240.D	04/30/2025	11:52
SSTDICC010	SSTDICC010	BF142241.D	04/30/2025	12:20
SSTDICC020	SSTDICC020	BF142242.D	04/30/2025	12:49
SSTDICCC040	SSTDICCC040	BF142243.D	04/30/2025	13:17
SSTDICC050	SSTDICC050	BF142244.D	04/30/2025	13:46
SSTDICC060	SSTDICC060	BF142245.D	04/30/2025	14:15
SSTDICC080	SSTDICC080	BF142246.D	04/30/2025	14:43

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1915 SDG NO.: Q1915

Lab File ID: BF142249.D DFTPP Injection Date: 05/01/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.4
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.4
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142250.D	05/01/2025	10:17
PB167810BL	PB167810BL	BF142254.D	05/01/2025	12:10
PB167810BS	PB167810BS	BF142255.D	05/01/2025	12:39
PB167774TB	PB167774TB	BF142256.D	05/01/2025	13:07
WC-04282025	Q1915-01	BF142261.D	05/01/2025	15:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1915 SDG NO.: Q1915

Lab File ID: BF142273.D DFTPP Injection Date: 05/02/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	27.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	37.6
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142274.D	05/02/2025	10:39
B-167-SB01MS	Q1901-08MS	BF142277.D	05/02/2025	12:27
B-167-SB01MSD	Q1901-08MSD	BF142278.D	05/02/2025	12:55

Form V SV

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG NO.: Q1915

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BF142250.D Time Analyzed: 10:17

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	186578	6.91	719586	8.19	381198	9.95
	UPPER LIMIT	373156	7.41	1439170	8.692	762396	10.445
	LOWER LIMIT	93289	6.41	359793	7.692	190599	9.445
	EPA SAMPLE NO.						
01	PB167774TB	217516	6.90	839699	8.19	443070	9.95
02	PB167810BL	223997	6.90	857825	8.19	449926	9.95
03	PB167810BS	228833	6.91	892782	8.19	472284	9.95
04	WC-04282025	210959	6.91	797035	8.19	392717	9.94

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG NO.: Q1915

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BF142250.D Time Analyzed: 10:17

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	647816	11.433	384442	14.074	349272	15.562
	UPPER LIMIT	1295630	11.933	768884	14.574	698544	16.062
	LOWER LIMIT	323908	10.933	192221	13.574	174636	15.062
	EPA SAMPLE NO.						
01	PB167774TB	773002	11.43	539235	14.07	394051	15.56
02	PB167810BL	794711	11.43	568207	14.07	404816	15.56
03	PB167810BS	804874	11.43	464382	14.07	446826	15.57
04	WC-04282025	545118	11.43	445392	14.06	444396	15.56

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG NO.: Q1915

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/02/2025

Lab File ID: BF142274.D Time Analyzed: 10:39

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	189457	6.91	747235	8.19	389025	9.95
	UPPER LIMIT	378914	7.41	1494470	8.692	778050	10.445
	LOWER LIMIT	94728.5	6.41	373618	7.692	194513	9.445
	EPA SAMPLE NO.						
01	B-167-SB01MS	212656	6.91	808361	8.19	402059	9.95
02	B-167-SB01MSD	217028	6.91	832936	8.19	419407	9.95

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG NO.: Q1915

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/02/2025

Lab File ID: BF142274.D Time Analyzed: 10:39

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	652685	11.427	354752	14.068	327562	15.557
	UPPER LIMIT	1305370	11.927	709504	14.568	655124	16.057
	LOWER LIMIT	326343	10.927	177376	13.568	163781	15.057
	EPA SAMPLE NO.						
01	B-167-SB01MS	629997	11.43	370460	14.07	379220	15.56
02	B-167-SB01MSD	684254	11.43	400079	14.07	401381	15.56

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/30/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/30/25
Client Sample ID:	PB167774TB	SDG No.:	Q1915
Lab Sample ID:	PB167774TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142256.D	1	04/30/25 13:15	05/01/25 13:07	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.0	100	ug/L
67-72-1	Hexachloroethane	50.0	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		10 - 139	78%	SPK: 150
13127-88-3	Phenol-d6	116		10 - 134	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.3		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.1		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		48 - 125	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	218000	6.904			
1146-65-2	Naphthalene-d8	840000	8.186			
15067-26-2	Acenaphthene-d10	443000	9.945			
1517-22-2	Phenanthrene-d10	773000	11.427			
1719-03-5	Chrysene-d12	539000	14.068			
1520-96-3	Perylene-d12	394000	15.562			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	04/30/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	04/30/25
Client Sample ID:	PB167774TB			SDG No.:	Q1915
Lab Sample ID:	PB167774TB			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
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
BF142256.D	1	04/30/25 13:15	05/01/25 13:07	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF050125\
Data File : BF142256.D
Acq On : 01 May 2025 13:07
Operator : RC/JU
Sample : PB167774TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Quant Time: May 01 13:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

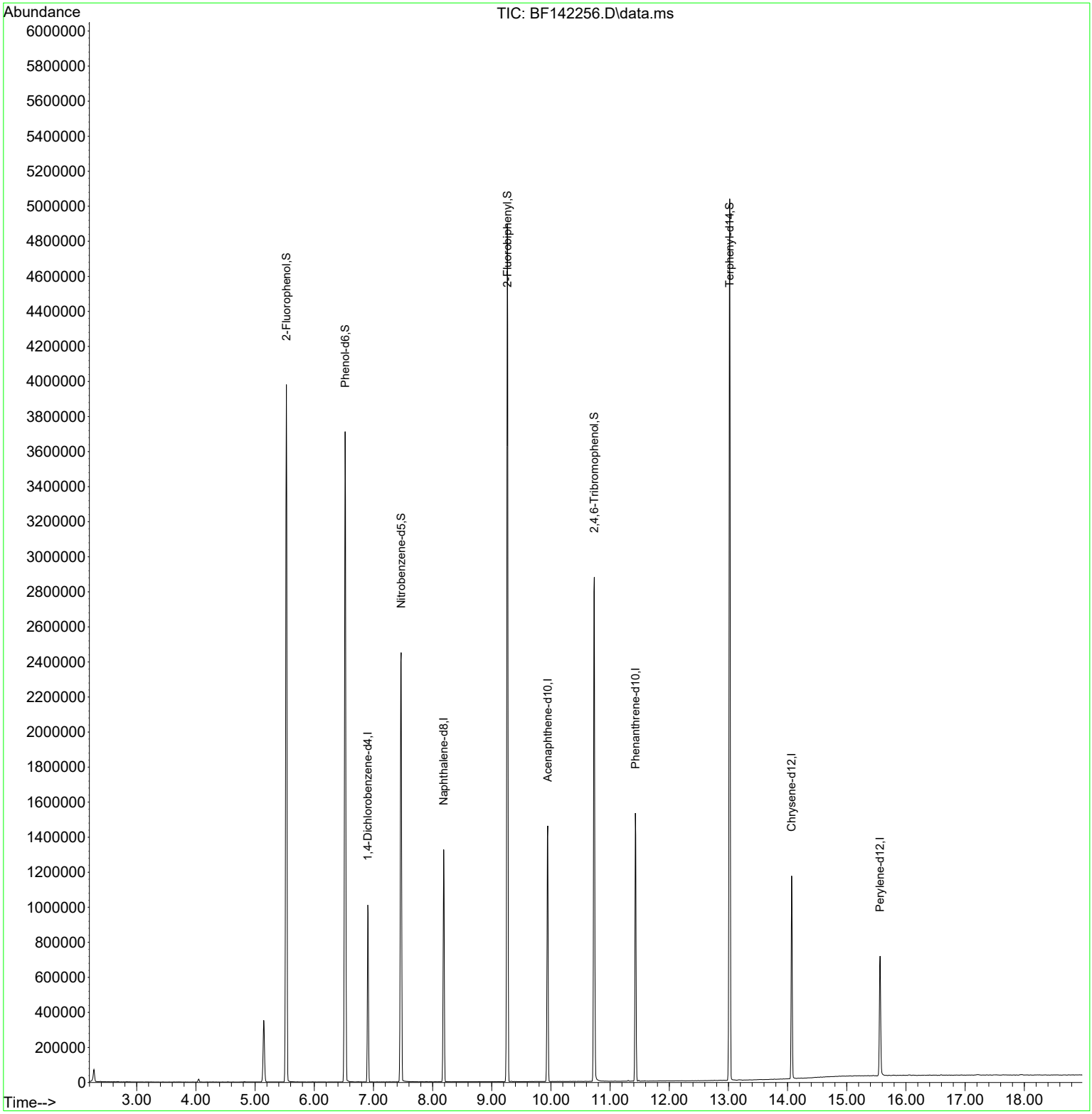
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	217516	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	839699	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	443070	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	773002	20.000	ng	0.00
76) Chrysene-d12	14.068	240	539235	20.000	ng	0.00
86) Perylene-d12	15.562	264	394051	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1585580	116.418	ng	0.01
7) Phenol-d6	6.522	99	1907914	116.005	ng	0.00
23) Nitrobenzene-d5	7.469	82	1116409	87.347	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	529459	131.080	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2264475	72.061	ng	0.00
79) Terphenyl-d14	13.021	244	2518381	67.925	ng	0.00
Target Compounds						Qvalue

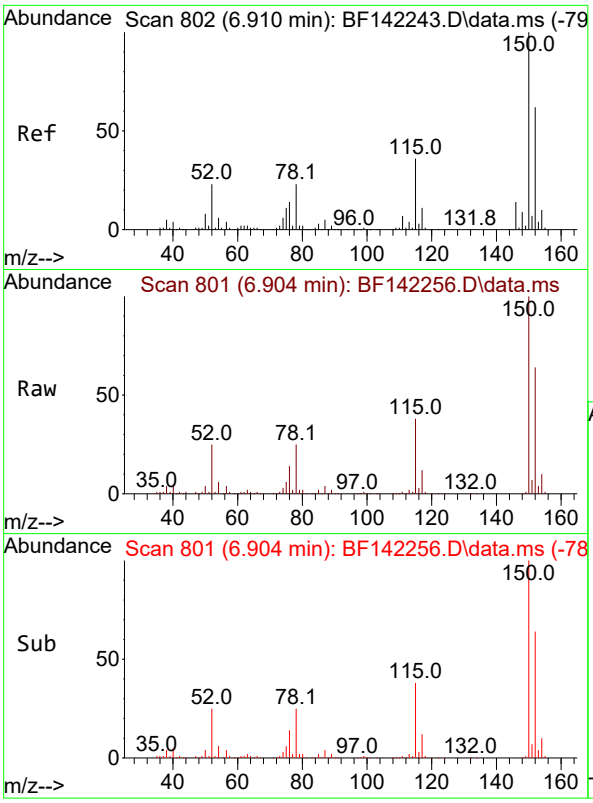
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142256.D
Acq On : 01 May 2025 13:07
Operator : RC/JU
Sample : PB167774TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Quant Time: May 01 13:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



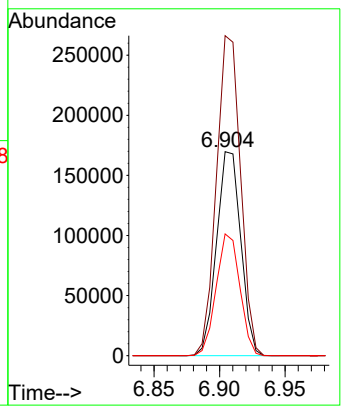


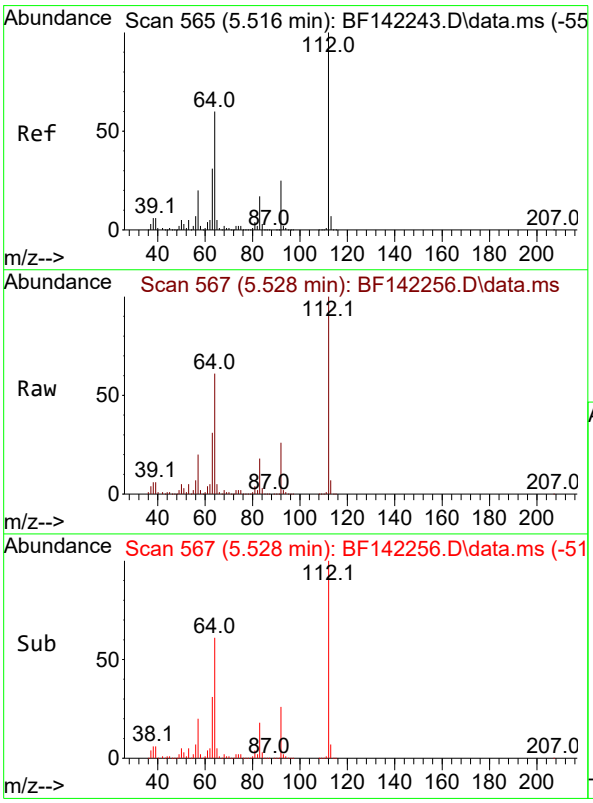
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:152 Resp: 217516

Ion	Ratio	Lower	Upper
152	100		
150	156.9	130.2	195.2
115	59.7	47.0	70.4

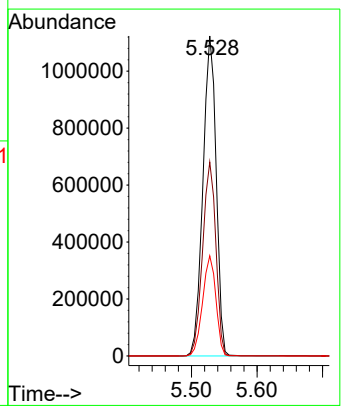


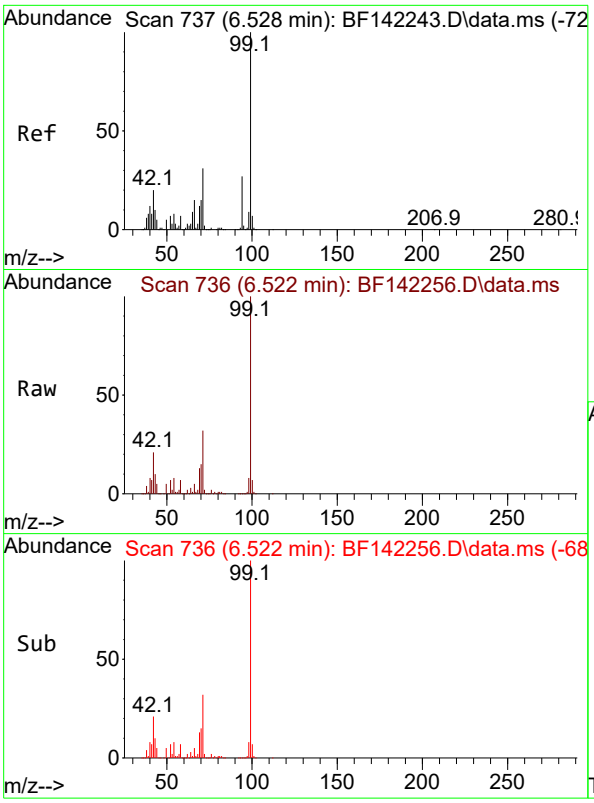


#5
2-Fluorophenol
Concen: 116.418 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:112 Resp: 1585580

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.4	72.6
63	31.3	24.8	37.2



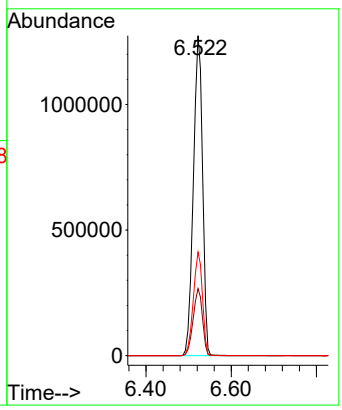


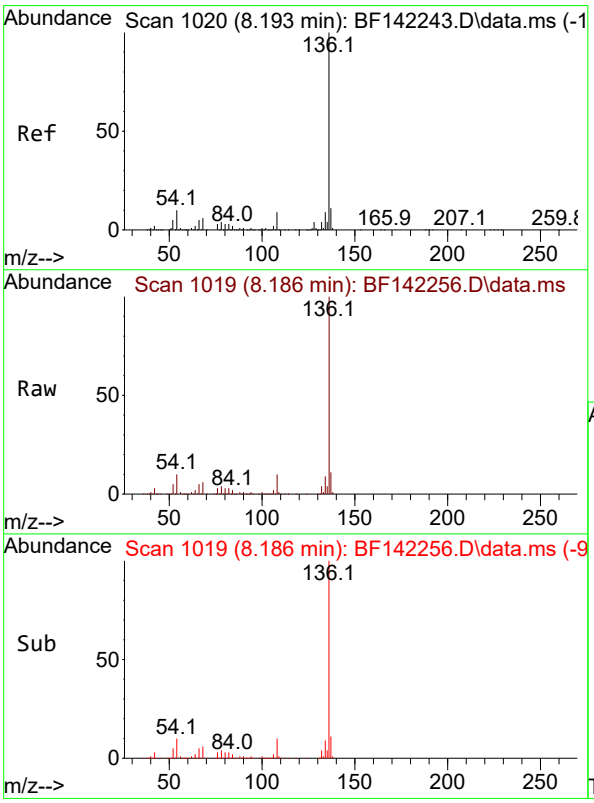
#7
Phenol-d6
Concen: 116.005 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion: 99 Resp: 1907914

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.3	25.0	37.4

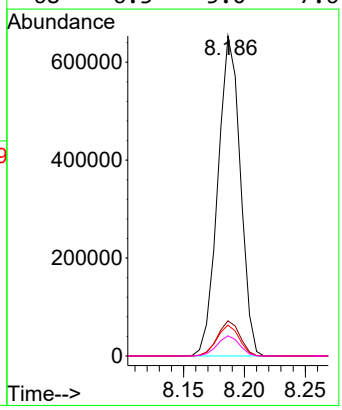


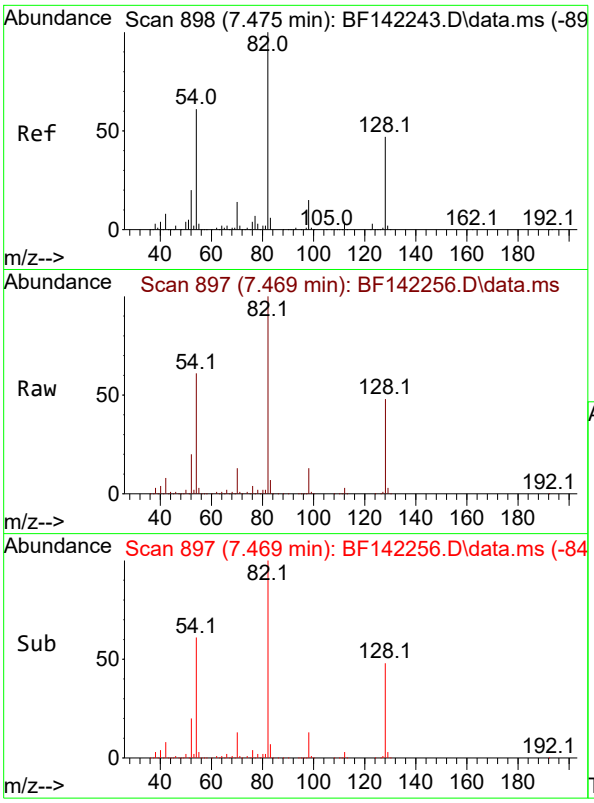


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:136 Resp: 839699

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



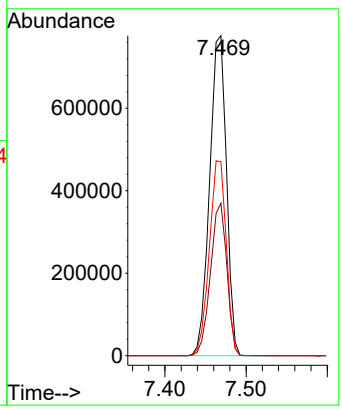


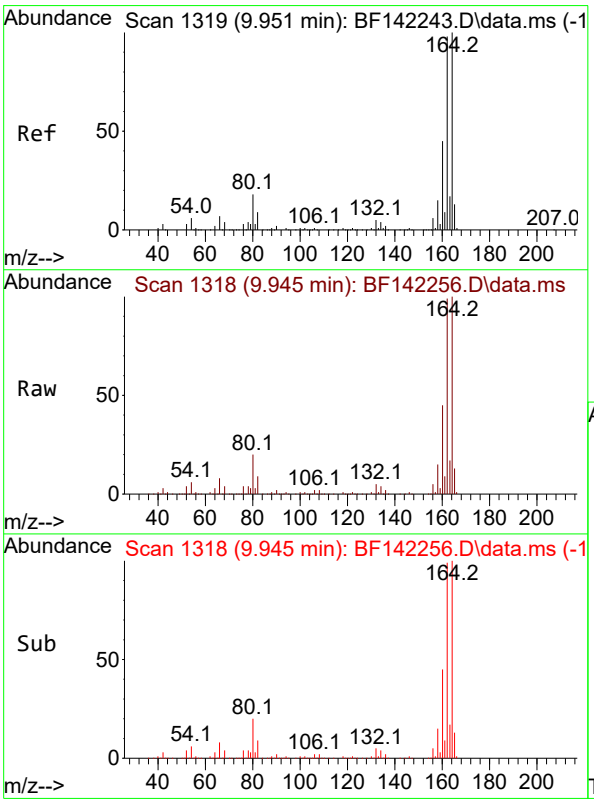
#23
Nitrobenzene-d5
Concen: 87.347 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion: 82 Resp: 1116409

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	60.6	48.0	72.0

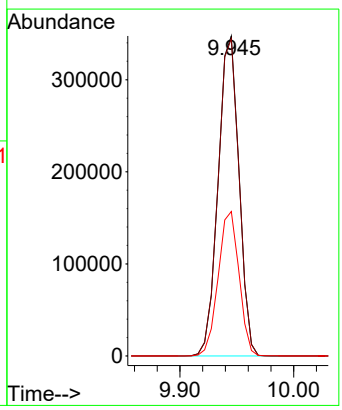


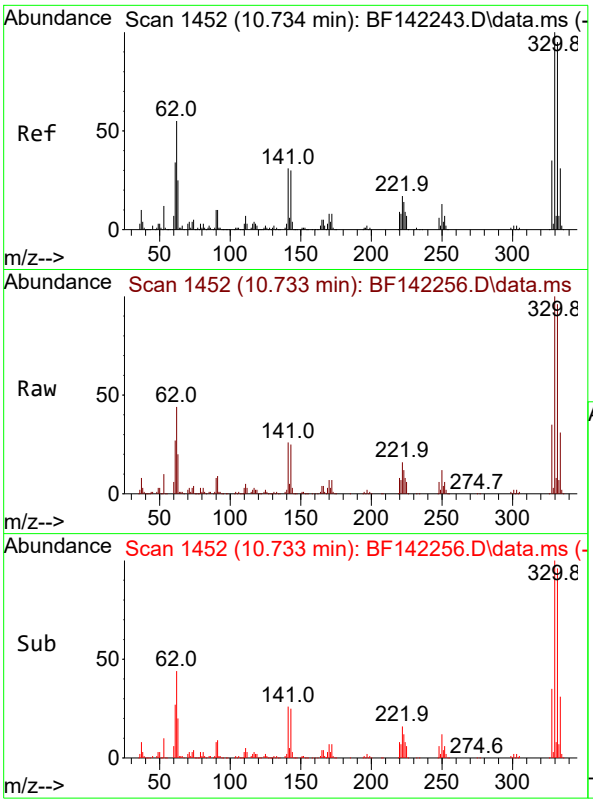


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:164 Resp: 443070

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.6	117.8
160	45.2	35.7	53.5



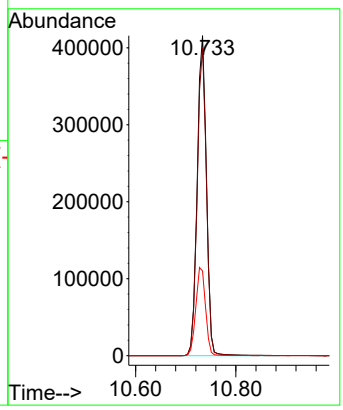


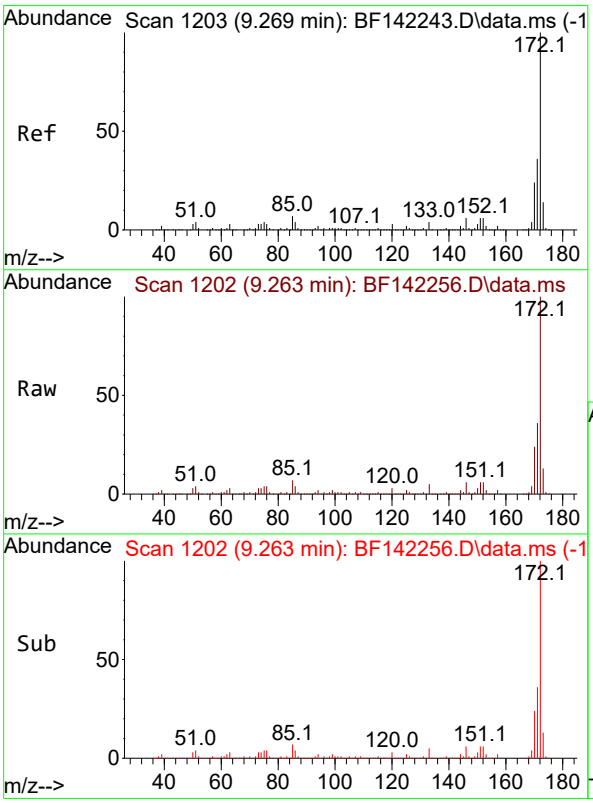
#42
2,4,6-Tribromophenol
Concen: 131.080 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:330 Resp: 529459

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.5	114.7
141	29.1	24.3	36.5

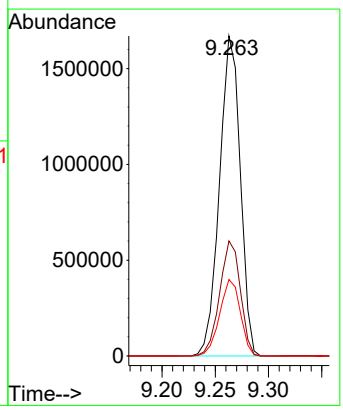


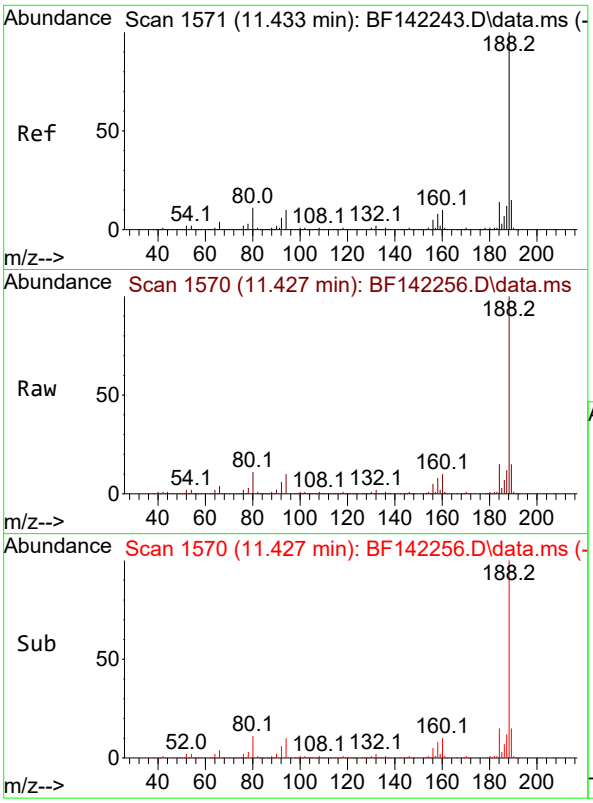


#45
2-Fluorobiphenyl
Concen: 72.061 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:172 Resp: 2264475

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.9	19.4	29.0



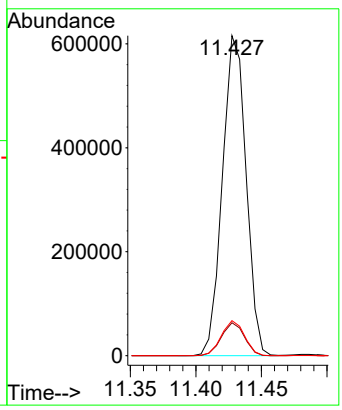


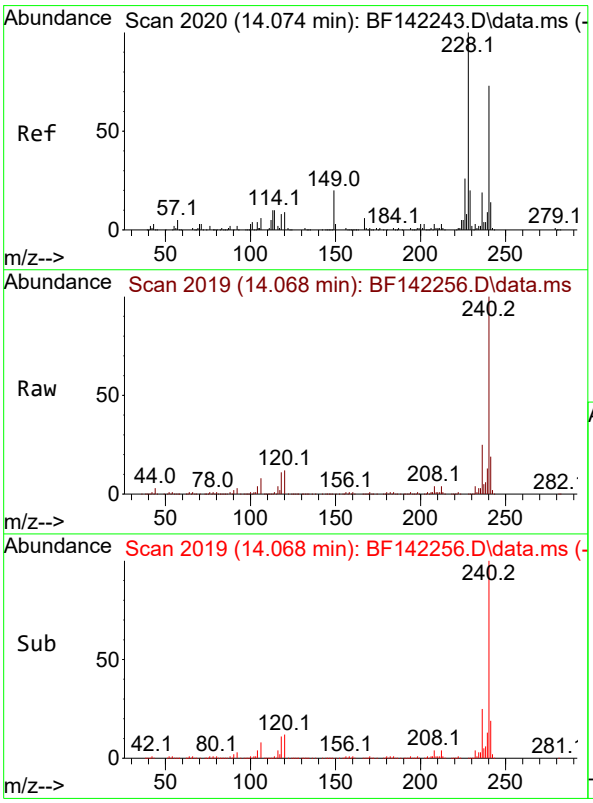
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:188 Resp: 773002

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	10.9	8.6	12.8

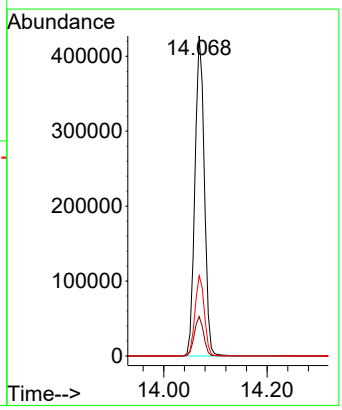


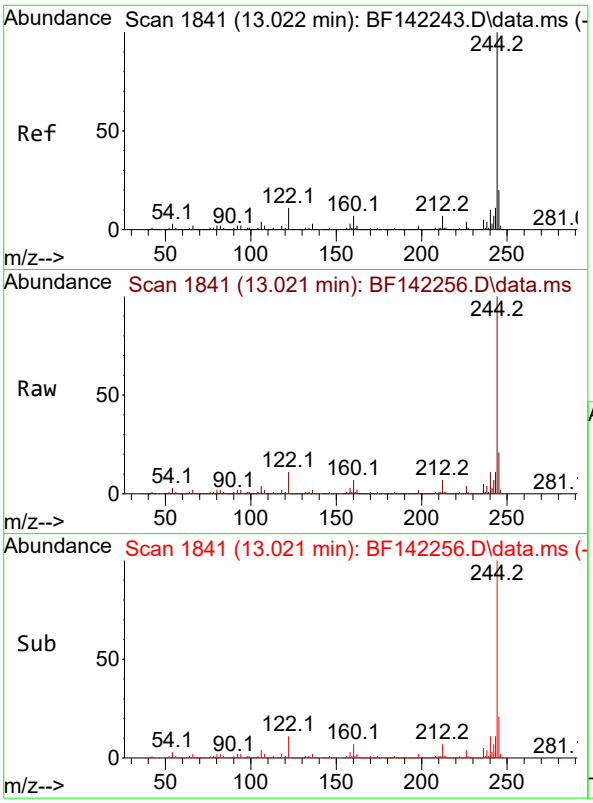


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:240 Resp: 539235

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.1	15.1
236	25.1	20.5	30.7



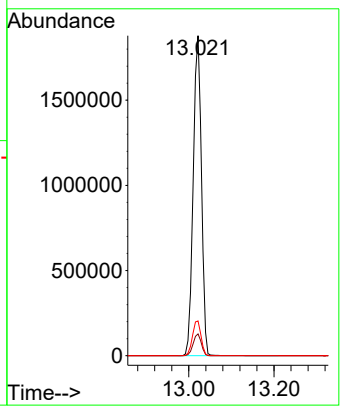


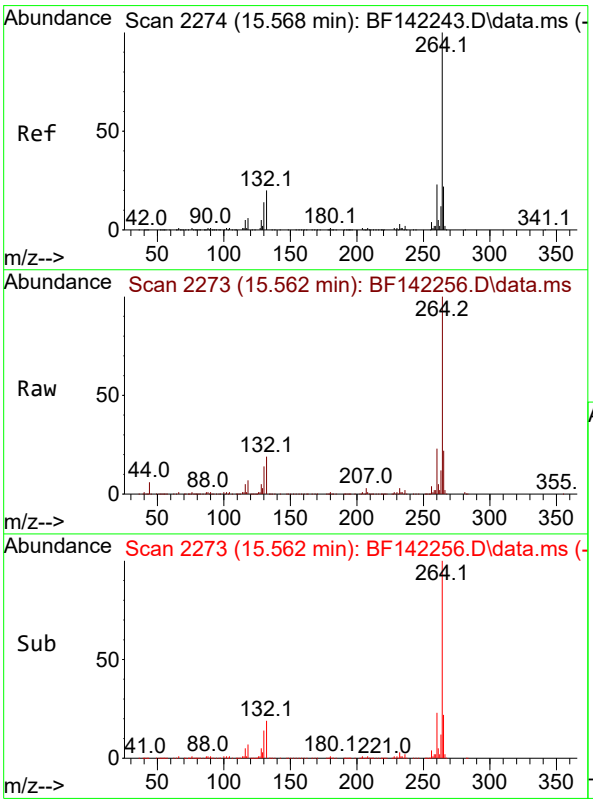
#79
Terphenyl-d14
Concen: 67.925 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:244 Resp: 2518381

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.9	9.1	13.7

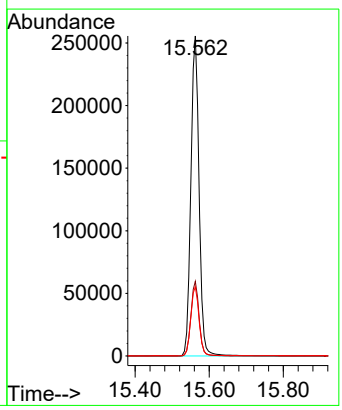




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:264 Resp: 394051

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.6	17.3	25.9



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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	WC-04282025	SDG No.:	Q1915
Lab Sample ID:	Q1915-01	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF142261.D	1	04/30/25 13:15	05/01/25 15:34	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.0	100	ug/L
67-72-1	Hexachloroethane	50.0	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	101		10 - 139	67%	SPK: 150
13127-88-3	Phenol-d6	91.6		10 - 134	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.8		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.3		52 - 132	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		44 - 137	78%	SPK: 150
1718-51-0	Terphenyl-d14	57.8		48 - 125	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	211000	6.91			
1146-65-2	Naphthalene-d8	797000	8.186			
15067-26-2	Acenaphthene-d10	393000	9.939			
1517-22-2	Phenanthrene-d10	545000	11.427			
1719-03-5	Chrysene-d12	445000	14.062			
1520-96-3	Perylene-d12	444000	15.556			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	04/29/25
Client Sample ID:	WC-04282025			SDG No.:	Q1915
Lab Sample ID:	Q1915-01			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
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
BF142261.D	1	04/30/25 13:15	05/01/25 15:34	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF050125\
Data File : BF142261.D
Acq On : 01 May 2025 15:34
Operator : RC/JU
Sample : Q1915-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Quant Time: May 01 16:06:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

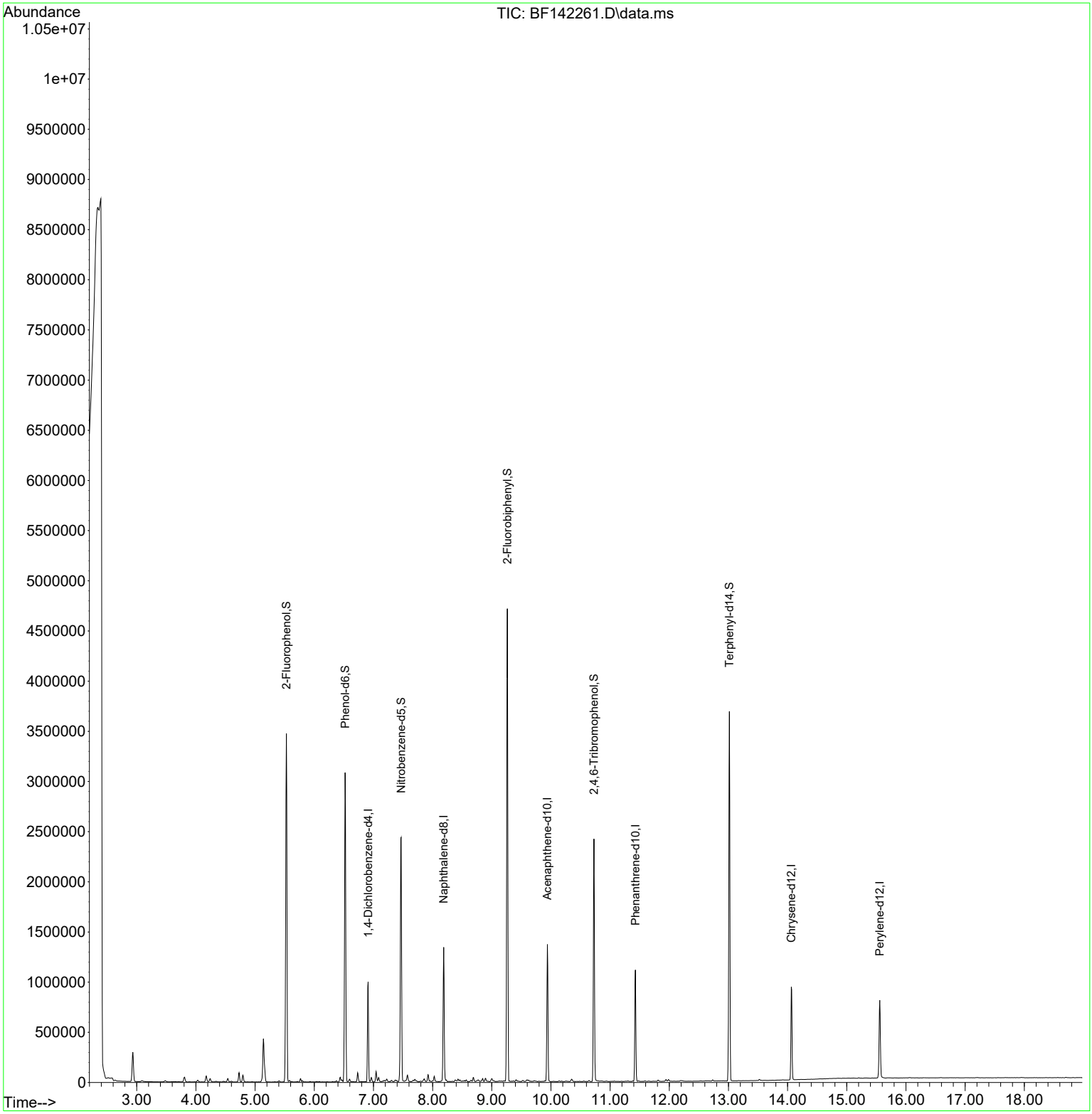
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	210959	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	797035	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	392717	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	545118	20.000	ng	0.00
76) Chrysene-d12	14.062	240	445392	20.000	ng	-0.01
86) Perylene-d12	15.556	264	444396	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1332052	100.843	ng	0.01
7) Phenol-d6	6.522	99	1461054	91.596	ng	0.00
23) Nitrobenzene-d5	7.469	82	1053543	86.841	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	416794	116.418	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2097570	75.309	ng	0.00
79) Terphenyl-d14	13.015	244	1769965	57.797	ng	0.00
Target Compounds						Qvalue

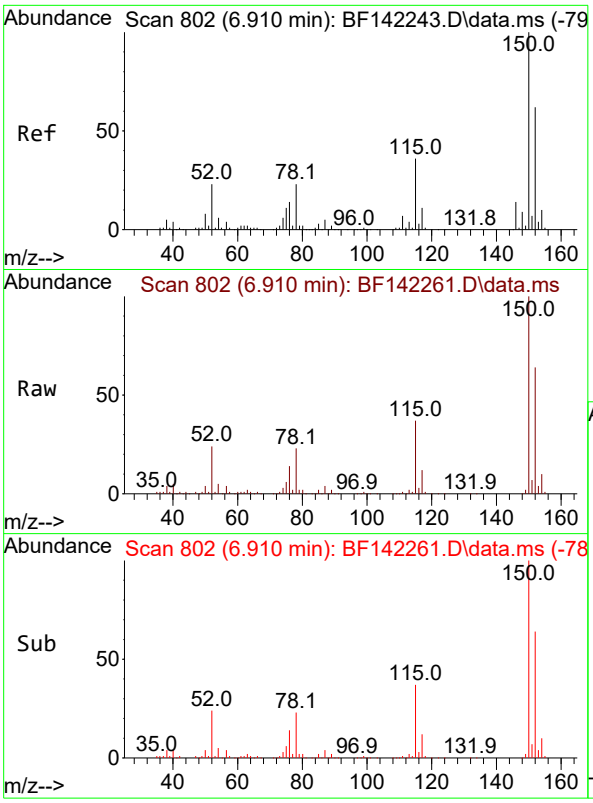
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142261.D
Acq On : 01 May 2025 15:34
Operator : RC/JU
Sample : Q1915-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Quant Time: May 01 16:06:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



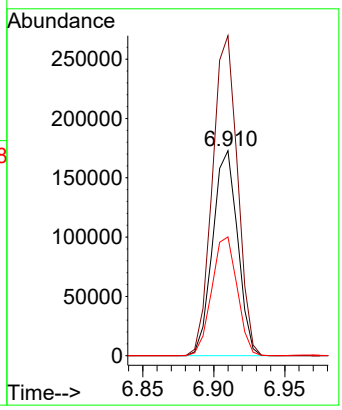


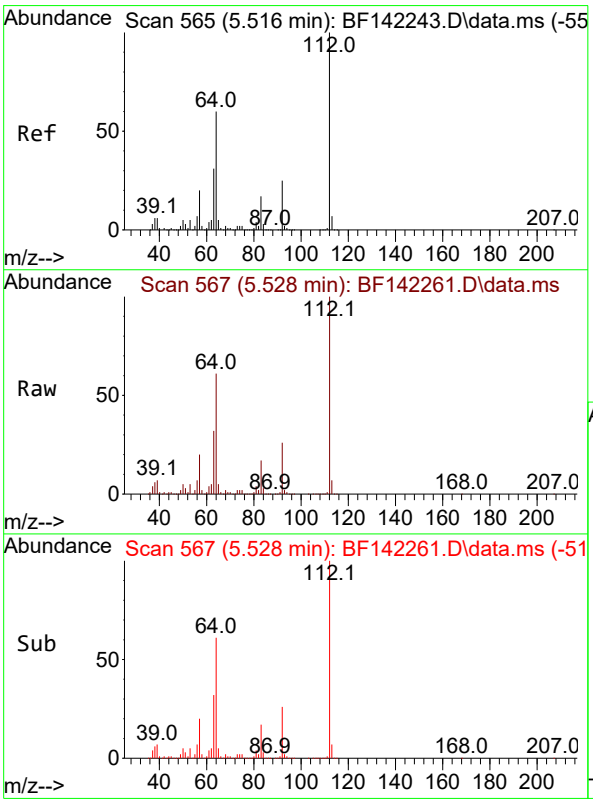
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Tgt Ion:152 Resp: 210959

Ion	Ratio	Lower	Upper
152	100		
150	156.1	130.2	195.2
115	57.9	47.0	70.4

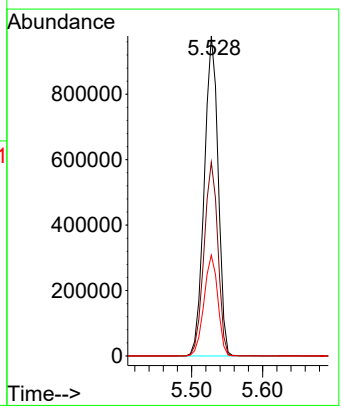


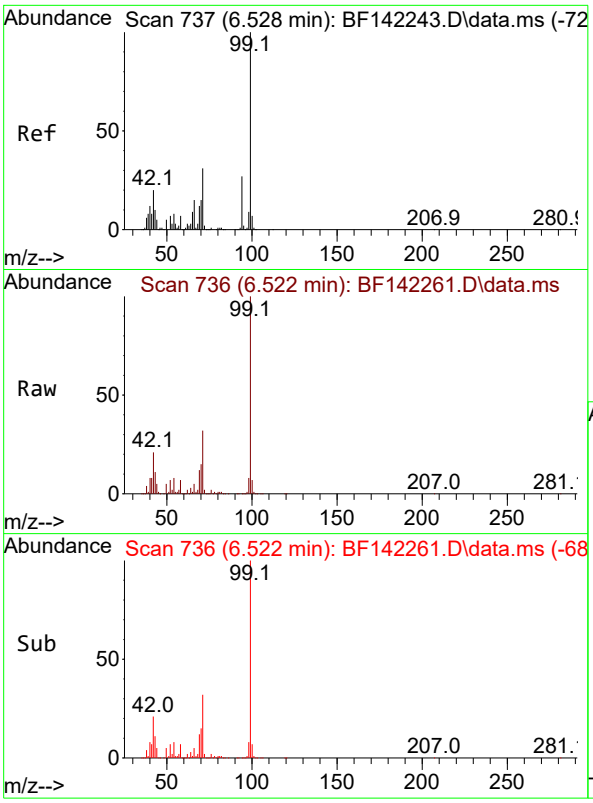


#5
2-Fluorophenol
Concen: 100.843 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.011 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Tgt Ion:112 Resp: 1332052

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.4	72.6
63	31.5	24.8	37.2



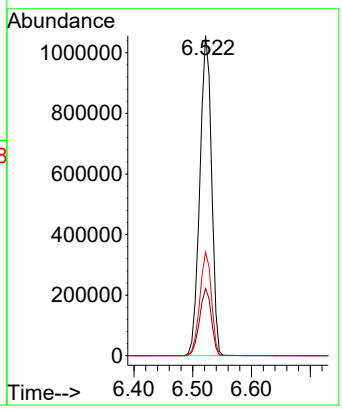


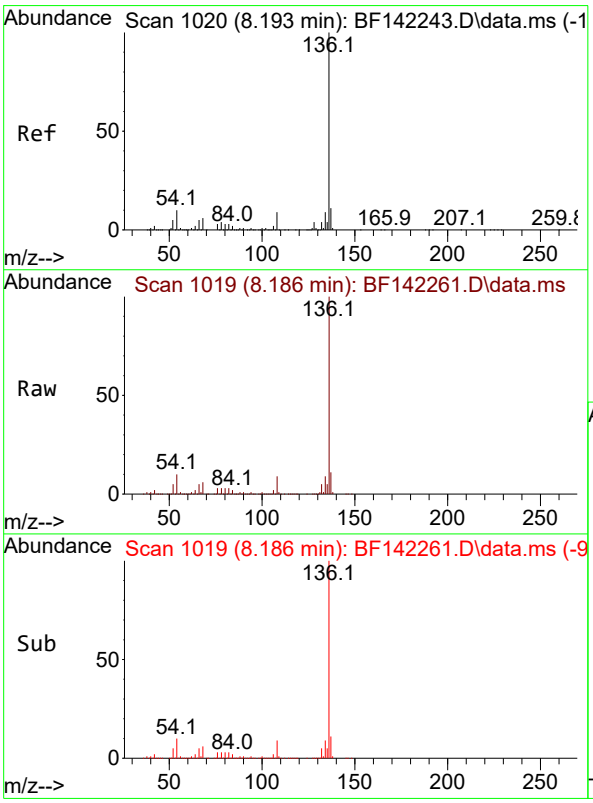
#7
Phenol-d6
Concen: 91.596 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Tgt Ion: 99 Resp: 1461054

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.4	25.0	37.4

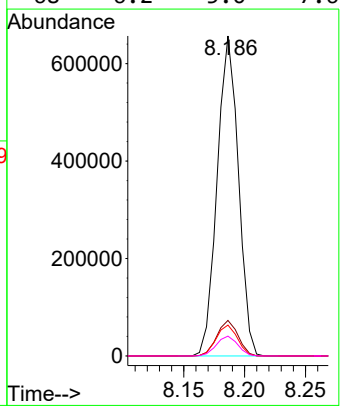


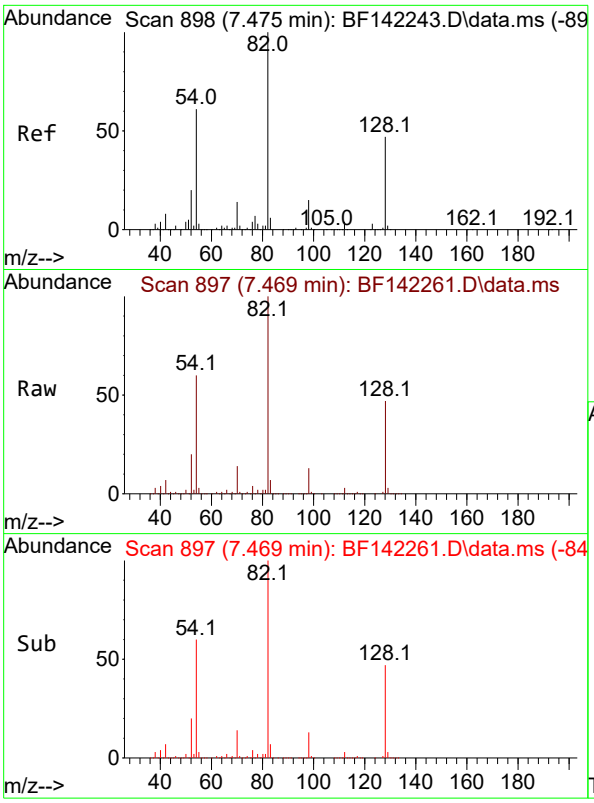


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Tgt Ion:136 Resp: 797035

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.7	7.7	11.5
68	6.2	5.0	7.6



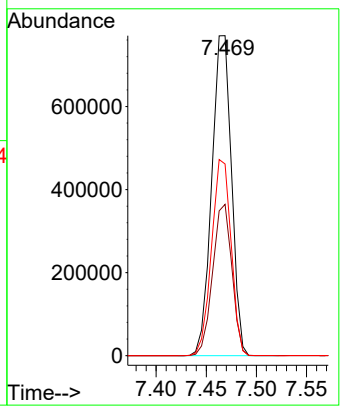


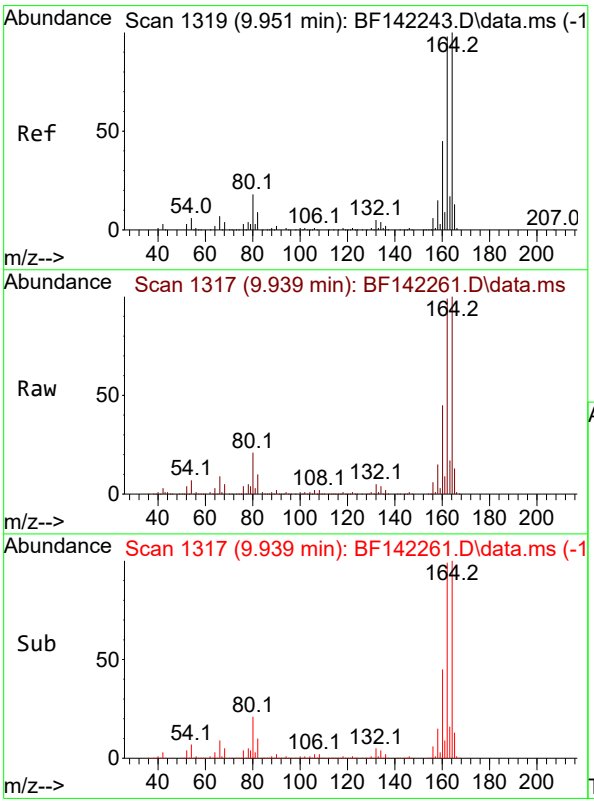
#23
Nitrobenzene-d5
Concen: 86.841 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Tgt Ion: 82 Resp: 1053543

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.0	55.6
54	59.9	48.0	72.0

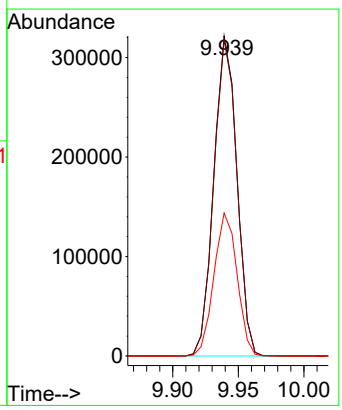


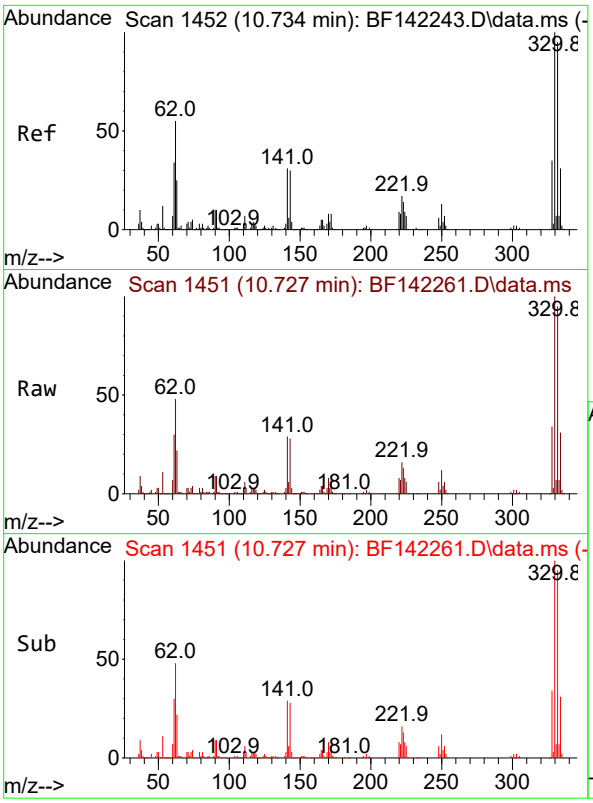


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Tgt Ion:164 Resp: 392717

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.6	117.8
160	44.7	35.7	53.5



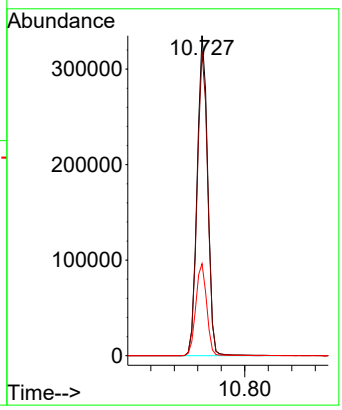


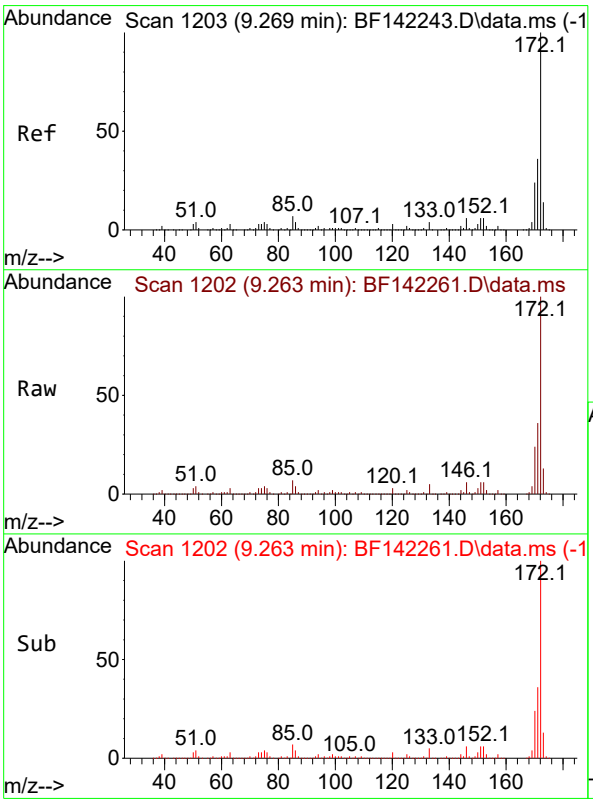
#42
2,4,6-Tribromophenol
Concen: 116.418 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Tgt Ion:330 Resp: 416794

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.5	114.7
141	29.5	24.3	36.5

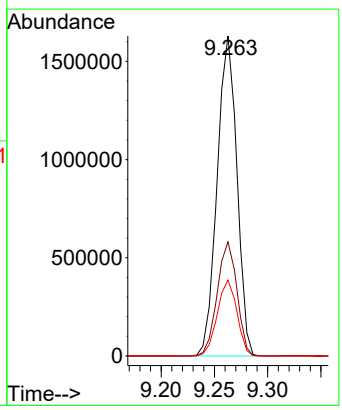


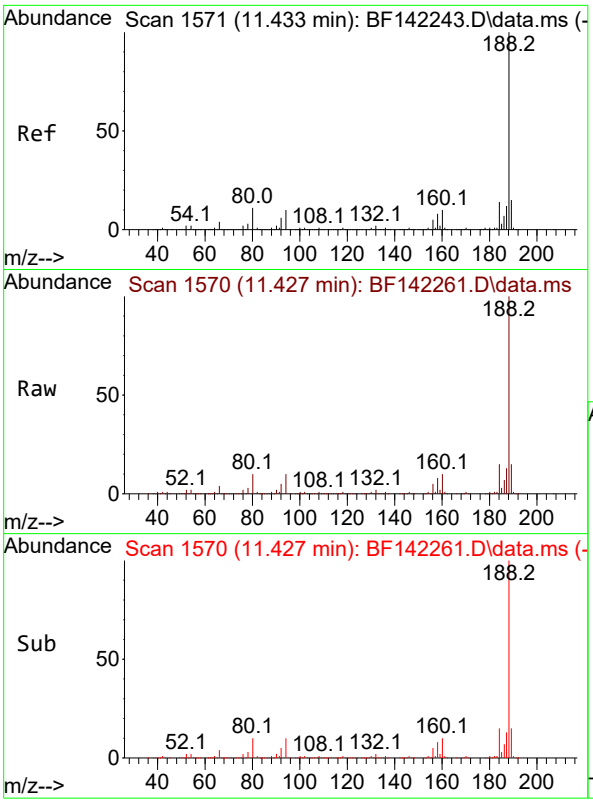


#45
2-Fluorobiphenyl
Concen: 75.309 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Tgt Ion:172 Resp: 2097570

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.7	19.4	29.0



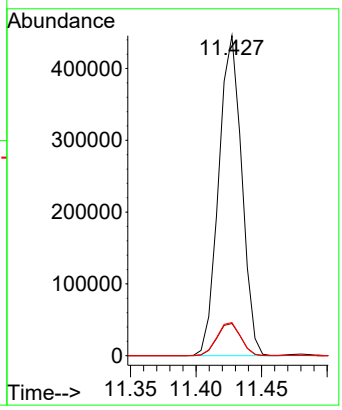


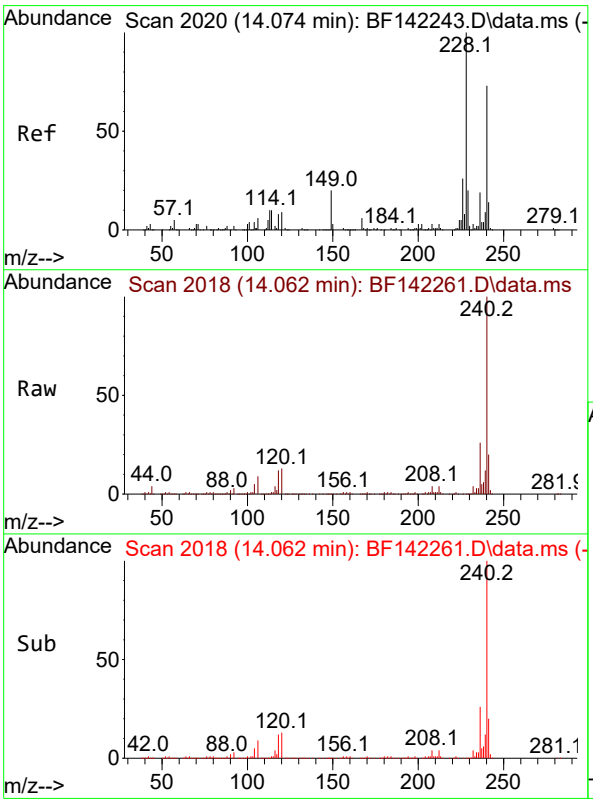
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Tgt Ion:188 Resp: 545118

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	10.3	8.6	12.8

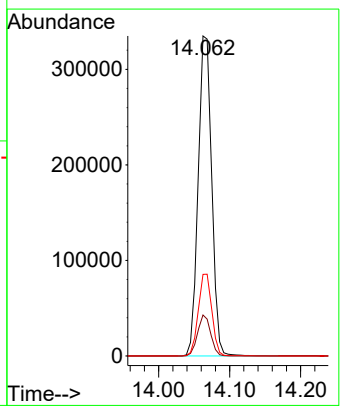


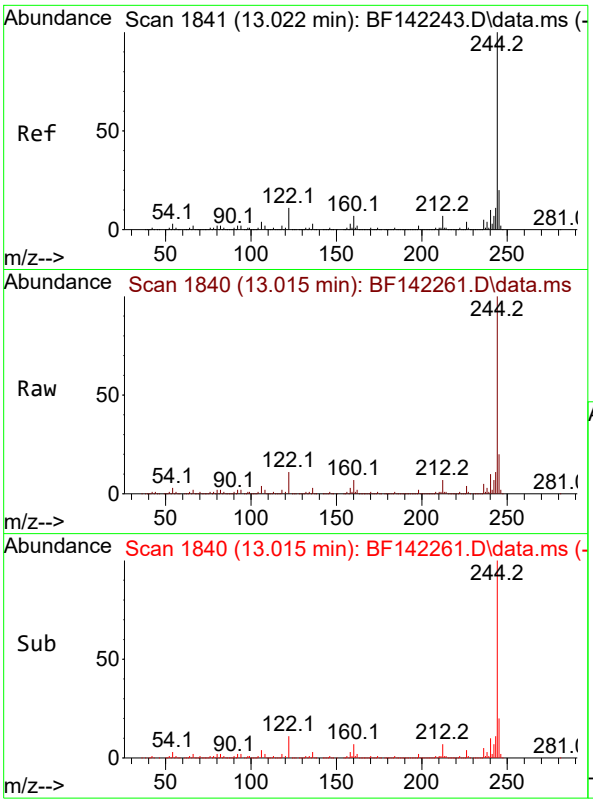


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Tgt Ion:240 Resp: 445392

Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.1	15.1
236	25.5	20.5	30.7



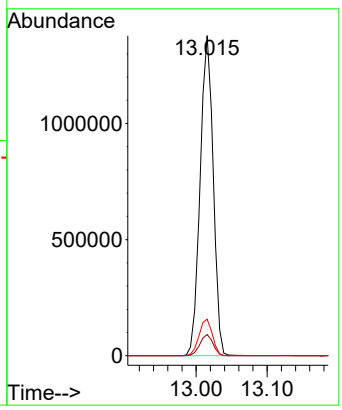


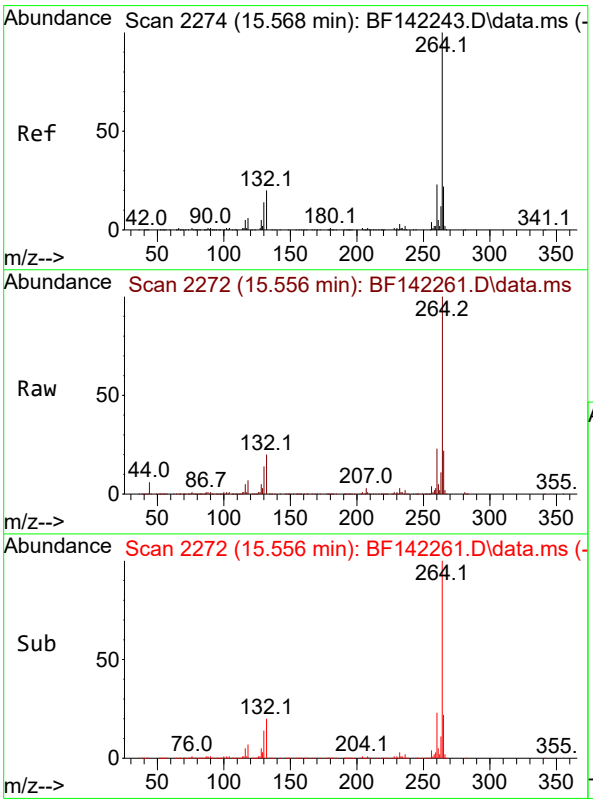
#79
Terphenyl-d14
Concen: 57.797 ng
RT: 13.015 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Instrument :
BNA_F
ClientSampleId :
WC-04282025

Tgt Ion:244 Resp: 1769965

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.4	9.1	13.7

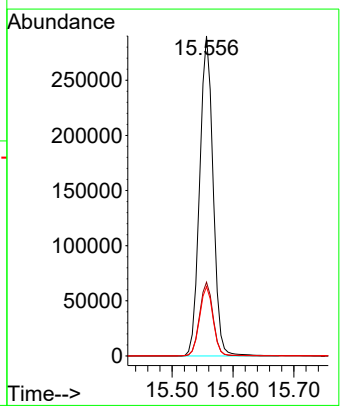




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142261.D
Acq: 01 May 2025 15:34

Tgt Ion:264 Resp: 444396

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.7	17.3	25.9



CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142239.D 5 =BF142240.D 10 =BF142241.D 20 =BF142242.D 40 =BF142243.D 50 =BF142244.D 60 =BF142245.D 80 =BF1422
46.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.563	0.534	0.561	0.592	0.580	0.555	0.530	0.559	4.03
3)		Pyridine		1.465	1.391	1.454	1.522	1.503	1.460	1.380	1.454	3.62
4)		n-Nitrosodimet...		0.747	0.699	0.728	0.807	0.789	0.766	0.731	0.752	4.95
5)	S	2-Fluorophenol		1.324	1.238	1.265	1.314	1.285	1.210	1.131	1.252	5.35
6)		Aniline		2.212	2.085	2.157	2.245	2.203	2.101	1.981	2.140	4.29
7)	S	Phenol-d6		1.559	1.505	1.534	1.593	1.550	1.475	1.370	1.512	4.85
8)		2-Chlorophenol		1.252	1.232	1.304	1.379	1.354	1.313	1.225	1.294	4.64
9)		Benzaldehyde		1.154	1.088	1.095	1.117	1.078	0.993	0.875	1.057	8.91
10)	C	Phenol		1.679	1.588	1.657	1.715	1.687	1.603	1.468	1.628	5.15
11)		bis(2-Chloroet...		1.345	1.250	1.270	1.318	1.285	1.231	1.132	1.262	5.46
12)		1,3-Dichlorobe...		1.571	1.485	1.485	1.533	1.478	1.396	1.299	1.464	6.18
13)	C	1,4-Dichlorobe...		1.610	1.486	1.495	1.546	1.488	1.404	1.295	1.475	6.86
14)		1,2-Dichlorobe...		1.489	1.418	1.431	1.475	1.432	1.356	1.255	1.408	5.67
15)		Benzyl Alcohol		1.047	1.017	1.064	1.149	1.126	1.082	1.023	1.073	4.69
16)		2,2'-oxybis(1-...		2.368	2.287	2.303	2.386	2.344	2.216	2.043	2.278	5.19
17)		2-Methylphenol		1.085	1.029	1.068	1.121	1.084	1.050	0.983	1.060	4.19
18)		Hexachloroethane		0.468	0.466	0.481	0.511	0.514	0.489	0.451	0.483	4.84
19)	P	n-Nitroso-di-n...	0.953	0.987	0.937	0.949	0.967	0.939	0.898	0.844	0.934	4.77
20)		3+4-Methylphenols		1.357	1.323	1.372	1.400	1.366	1.296	1.166	1.326	5.90
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.511	0.482	0.483	0.468	0.461	0.430	0.404	0.463	7.70
23)	S	Nitrobenzene-d5		0.217	0.251	0.302	0.340	0.351	0.339	0.330	0.304	16.88
24)		Nitrobenzene		0.229	0.261	0.297	0.328	0.338	0.323	0.314	0.299	13.31
25)		Isophorone		0.660	0.630	0.642	0.660	0.654	0.626	0.601	0.639	3.36
26)	C	2-Nitrophenol		0.048	0.057	0.083	0.115	0.132	0.136	0.142	0.102	38.38#
27)		2,4-Dimethylph...		0.315	0.319	0.333	0.337	0.333	0.315	0.302	0.322	3.96
28)		bis(2-Chloroet...		0.425	0.404	0.414	0.415	0.410	0.386	0.366	0.403	4.98
29)	C	2,4-Dichloroph...		0.246	0.253	0.274	0.291	0.286	0.272	0.263	0.269	6.12
30)		1,2,4-Trichlor...		0.320	0.303	0.305	0.312	0.304	0.287	0.273	0.301	5.28
31)		Naphthalene		1.106	1.040	1.035	1.020	0.999	0.924	0.858	0.997	8.21
32)		Benzoic acid			0.048	0.087	0.130	0.146	0.159	0.179	0.125	39.24
33)		4-Chloroaniline		0.446	0.414	0.429	0.429	0.423	0.396	0.371	0.415	5.98
34)	C	Hexachlorobuta...		0.180	0.175	0.179	0.185	0.178	0.170	0.161	0.175	4.35
35)		Caprolactam		0.068	0.073	0.081	0.087	0.089	0.085	0.083	0.081	9.45
36)	C	4-Chloro-3-met...		0.262	0.265	0.279	0.295	0.293	0.276	0.266	0.277	4.84
37)		2-Methylnaphth...		0.679	0.637	0.633	0.623	0.612	0.574	0.534	0.613	7.69
38)		1-Methylnaphth...		0.700	0.655	0.667	0.652	0.641	0.590	0.542	0.635	8.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M

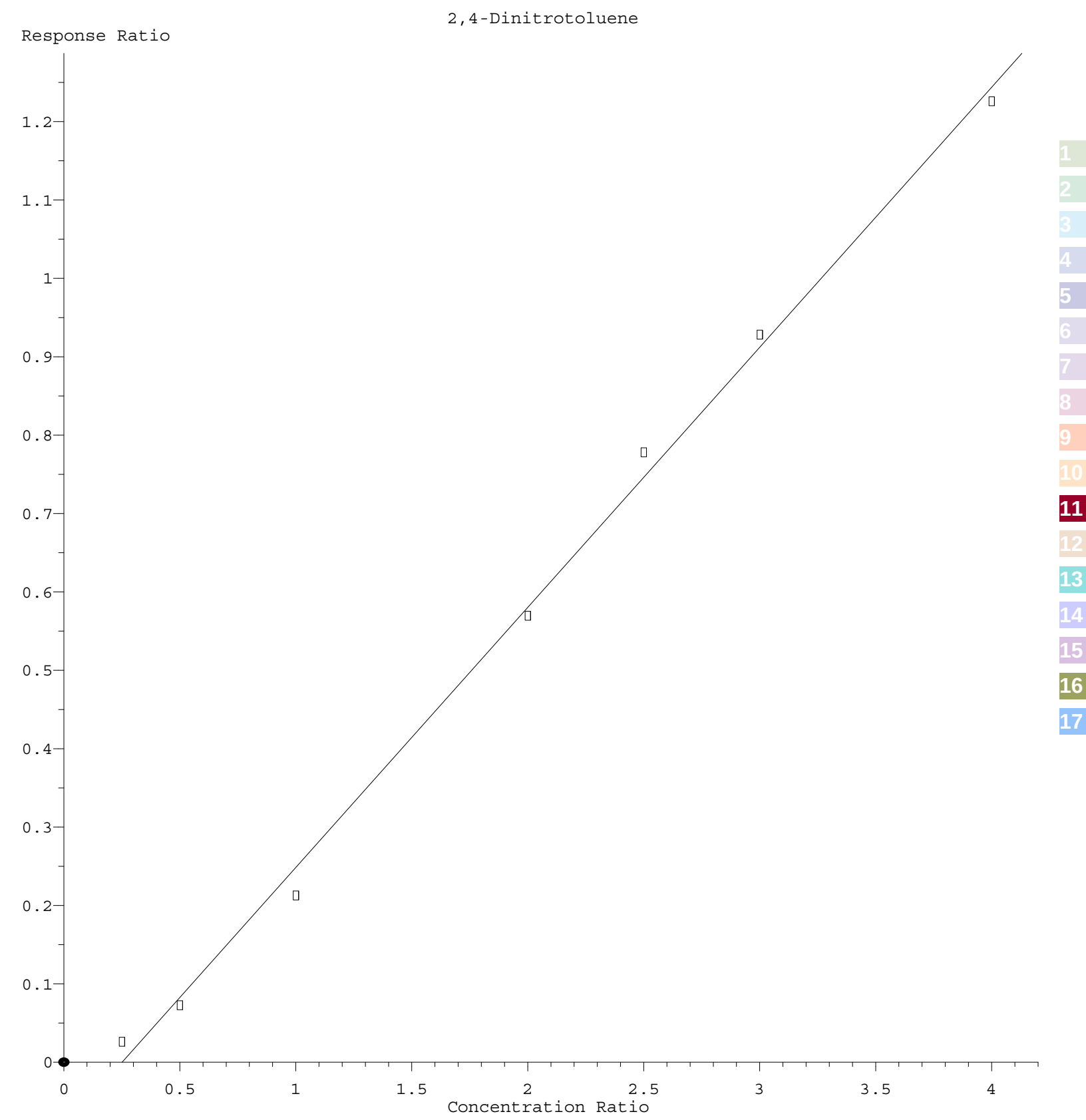
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.621	0.575	0.572	0.576	0.566	0.534	0.496	0.563	6.88
41)	P	Hexachlorocycl...	0.244	0.265	0.306	0.352	0.368	0.358	0.343	0.319	15.23
42)	S	2,4,6-Tribromo...	0.139	0.158	0.184	0.204	0.205	0.197	0.190	0.182	13.73
43)	C	2,4,6-Trichlor...	0.275	0.329	0.353	0.370	0.375	0.381	0.357	0.349	10.50
44)		2,4,5-Trichlor...	0.322	0.330	0.362	0.404	0.411	0.371	0.365	0.367	9.17
45)	S	2-Fluorobiphenyl	1.738	1.580	1.520	1.409	1.347	1.221	1.114	1.418	15.11
46)		1,1'-Biphenyl	1.773	1.621	1.612	1.581	1.547	1.435	1.316	1.555	9.38
47)		2-Chloronaphth...	1.289	1.176	1.191	1.185	1.157	1.085	1.014	1.157	7.51
48)		2-Nitroaniline	0.119	0.156	0.228	0.295	0.316	0.315	0.316	0.249	33.25
49)		Acenaphthylene	2.149	2.025	2.025	1.997	1.965	1.828	1.675	1.952	7.93
50)		Dimethylphthalate	1.362	1.284	1.301	1.321	1.309	1.227	1.152	1.280	5.42
51)		2,6-Dinitrotol...	0.098	0.137	0.193	0.241	0.259	0.254	0.249	0.204	31.45
52)	C	Acenaphthene	1.271	1.175	1.156	1.172	1.138	1.072	0.995	1.140	7.63
53)		3-Nitroaniline	0.143	0.187	0.252	0.298	0.311	0.310	0.299	0.257	26.09
54)	P	2,4-Dinitrophenol		0.025	0.036	0.057	0.069	0.076	0.085	0.058	40.36
55)		Dibenzofuran	1.930	1.775	1.751	1.743	1.713	1.581	1.466	1.709	8.67
56)	P	4-Nitrophenol		0.131	0.177	0.216	0.233	0.230	0.220	0.201	19.82
57)		2,4-Dinitrotol...	0.104	0.145	0.213	0.285	0.311	0.309	0.306	0.239	35.96
58)		Fluorene	1.493	1.403	1.351	1.317	1.273	1.186	1.071	1.299	10.74
59)		2,3,4,6-Tetrac...	0.252	0.267	0.312	0.334	0.334	0.323	0.305	0.304	10.65
60)		Diethylphthalate	1.324	1.264	1.302	1.313	1.300	1.215	1.126	1.263	5.61
61)		4-Chlorophenyl...	0.702	0.642	0.632	0.632	0.614	0.570	0.526	0.617	9.06
62)		4-Nitroaniline	0.144	0.177	0.233	0.272	0.287	0.281	0.269	0.238	23.57
63)		Azobenzene	1.346	1.260	1.275	1.279	1.278	1.198	1.098	1.248	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.022	0.034	0.055	0.065	0.071	0.075	0.054	39.23
66)	c	n-Nitrosodiphe...	0.727	0.686	0.693	0.712	0.689	0.653	0.623	0.683	5.11
67)		4-Bromophenyl-...	0.224	0.219	0.223	0.236	0.225	0.220	0.211	0.223	3.39
68)		Hexachlorobenzene	0.256	0.245	0.248	0.261	0.255	0.244	0.237	0.249	3.28
69)		Atrazine	0.166	0.172	0.186	0.190	0.190	0.182	0.174	0.180	5.29
70)	C	Pentachlorophenol		0.093	0.121	0.144	0.145	0.144	0.144	0.132	16.25
71)		Phenanthrene	1.218	1.114	1.119	1.112	1.064	0.995	0.940	1.080	8.45
72)		Anthracene	1.209	1.161	1.151	1.128	1.099	1.025	0.959	1.105	7.77
73)		Carbazole	1.125	1.047	1.061	1.033	0.996	0.935	0.857	1.008	8.77
74)		Di-n-butylphth...	0.986	1.006	1.088	1.069	1.045	0.988	0.912	1.013	5.88
75)	C	Fluoranthene	1.221	1.144	1.155	1.085	1.035	0.957	0.878	1.068	11.24
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.702	0.748	0.885	0.963	0.945	0.895	0.810	0.850	11.67
78)		Pyrene	1.833	1.801	1.849	2.026	1.937	1.833	1.635	1.845	6.54
79)	S	Terphenyl-d14	1.472	1.413	1.422	1.481	1.392	1.290	1.155	1.375	8.41
80)		Butylbenzylpht...	0.218	0.293	0.405	0.505	0.525	0.524	0.509	0.425	29.32
81)		Benzo(a)anthra...	1.379	1.320	1.332	1.438	1.388	1.316	1.225	1.343	5.06
82)		3,3'-Dichlorob...	0.286	0.317	0.380	0.442	0.450	0.451	0.435	0.394	17.37
83)		Chrysene	1.302	1.210	1.249	1.232	1.227	1.197	1.138	1.222	4.12
84)		Bis(2-ethylhex...	0.384	0.448	0.549	0.695	0.726	0.722	0.707	0.604	23.69
85)	c	Di-n-octyl pht...		0.668	0.875	1.262	1.320	1.347	1.329	1.133	25.55

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.323	1.384	1.466	1.613	1.556	1.490	1.422	1.465	6.78
88)		Benzo(b)fluora...	1.317	1.220	1.208	1.302	1.271	1.177	1.202	1.242	4.36
89)		Benzo(k)fluora...	1.211	1.159	1.222	1.145	1.146	1.110	0.962	1.136	7.59
90)	C	Benzo(a)pyrene	1.121	1.098	1.146	1.203	1.180	1.137	1.076	1.137	3.91
91)		Dibenzo(a,h)an...	1.075	1.131	1.197	1.312	1.271	1.192	1.144	1.189	6.90
92)		Benzo(g,h,i)pe...	1.076	1.138	1.204	1.308	1.267	1.213	1.162	1.195	6.55

(#) = Out of Range



Response = 3.318e-001 * Amt - 8.340e-002
Coef of Det (r^2) = 0.997011 Curve Fit: Linear
Method: N:\CLP BNA\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142239.D
Acq On : 30 Apr 2025 11:24
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 30 15:56:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

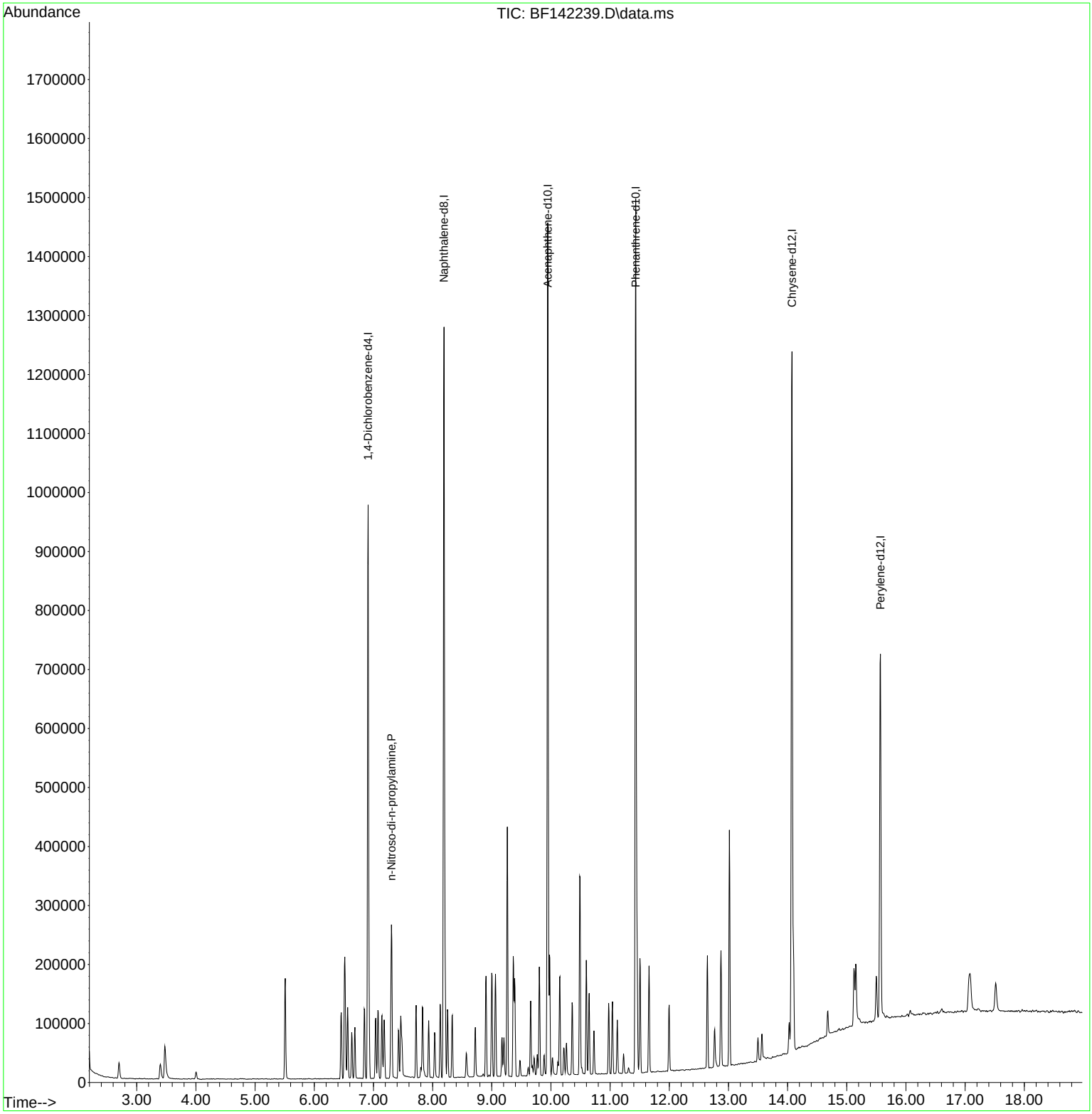
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	204993	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	780462	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	414360	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	737147	20.000	ng	0.00
76) Chrysene-d12	14.074	240	525717	20.000	ng	0.00
86) Perylene-d12	15.568	264	366865	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...	7.304	70	24421	2.550	ng	99

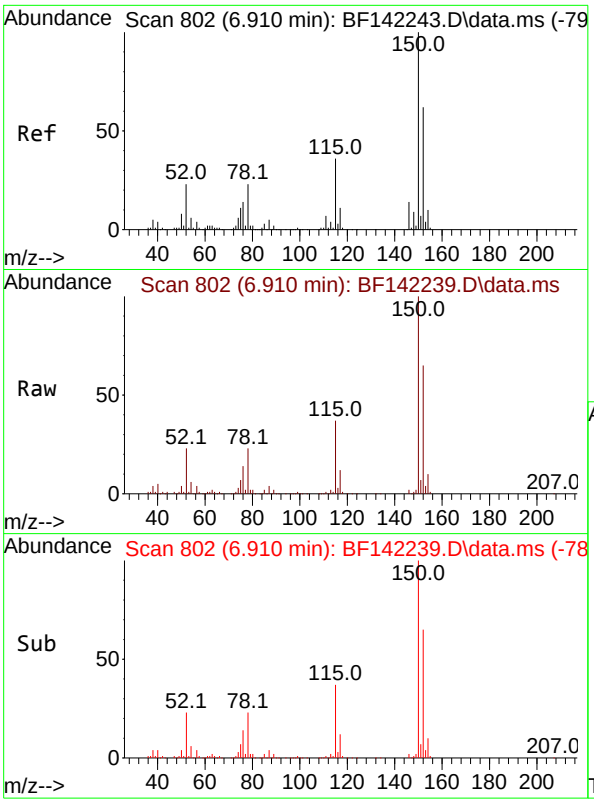
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142239.D
Acq On : 30 Apr 2025 11:24
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 30 15:56:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration



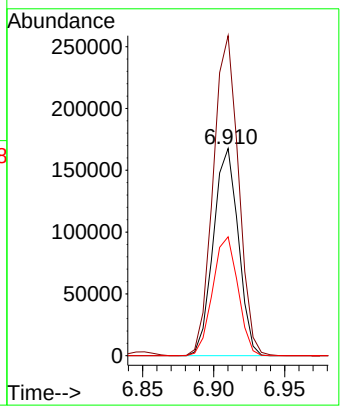


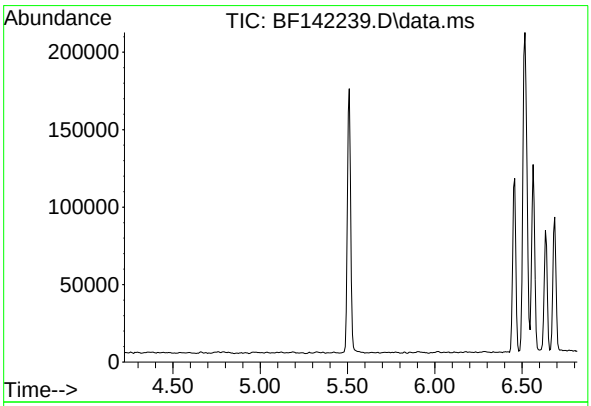
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 204993

Ion	Ratio	Lower	Upper
152	100		
150	154.4	130.2	195.2
115	57.4	47.0	70.4



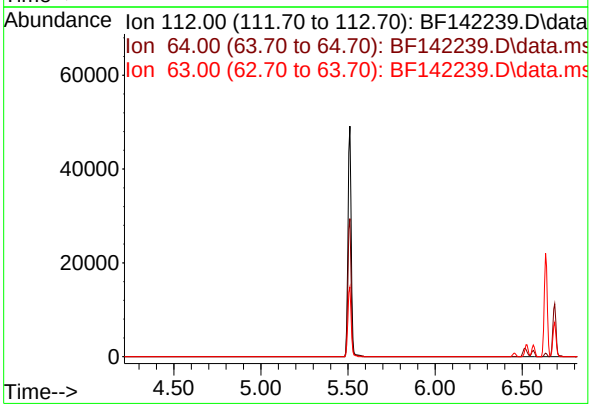


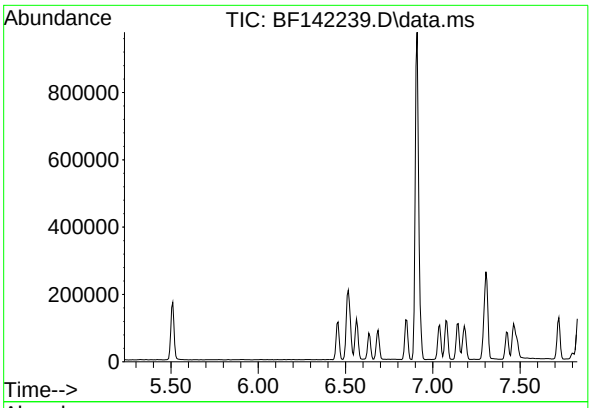
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.52 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.5
63	31.0





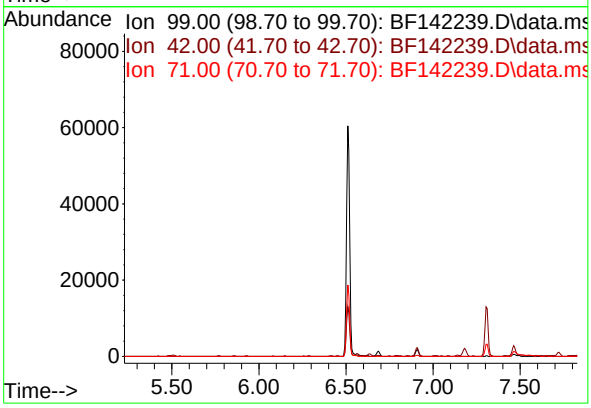
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.53 min

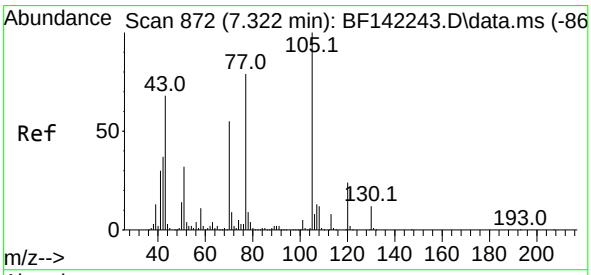
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

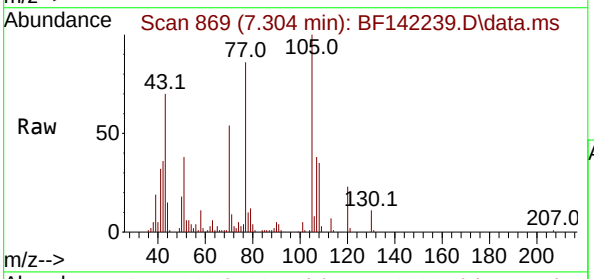
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

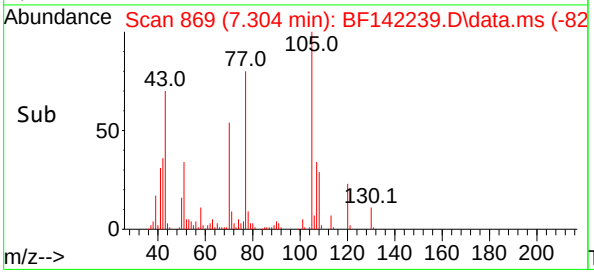
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	20.4
71	31.2





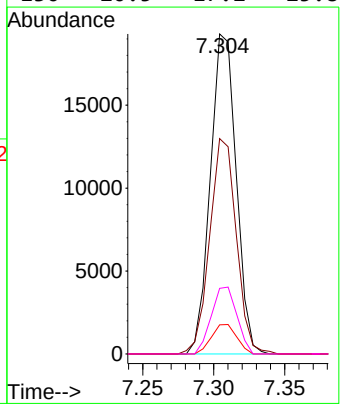


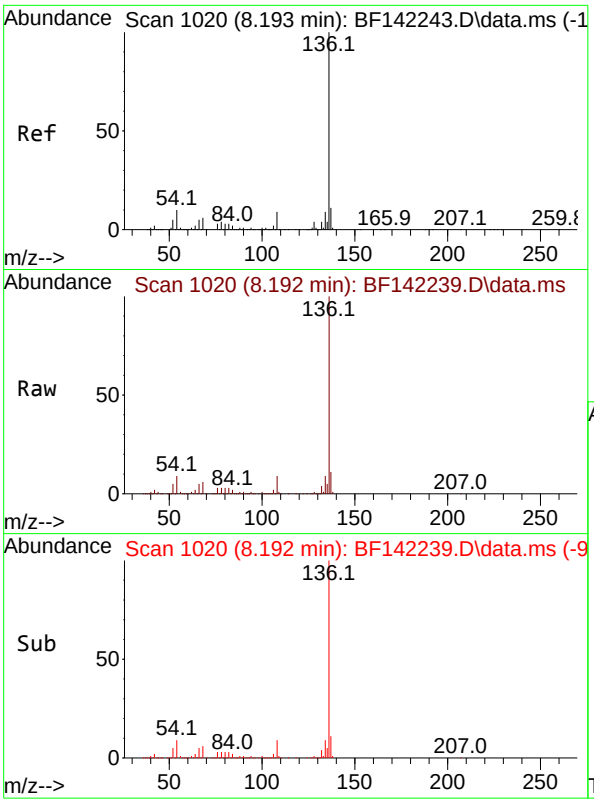


#19
n-Nitroso-di-n-propylamine
Concen: 2.550 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.018 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 70 Resp: 24421

Ion	Ratio	Lower	Upper
70	100		
42	67.3	53.4	80.2
101	9.1	7.7	11.5
130	20.5	17.2	25.8



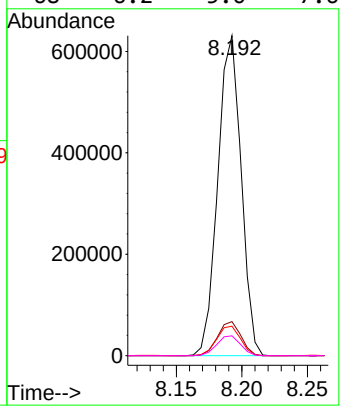


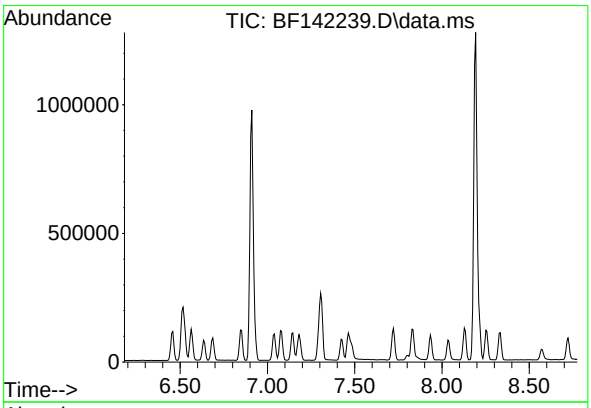
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 780462

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.2	7.7	11.5
68	6.2	5.0	7.6



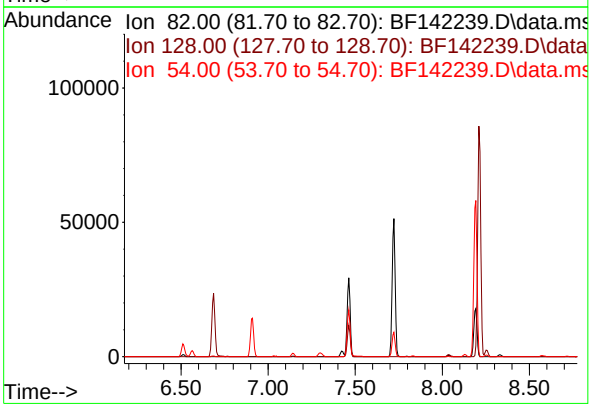


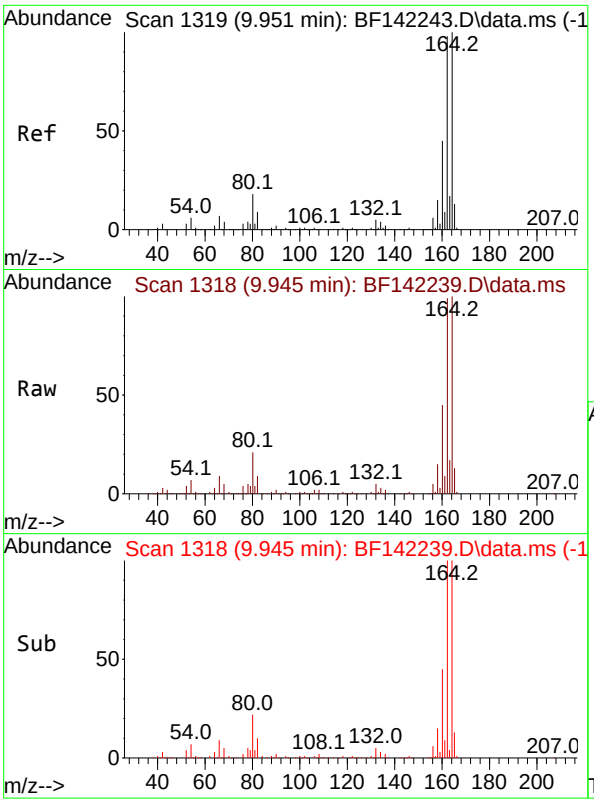
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.47 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.3
54	60.0



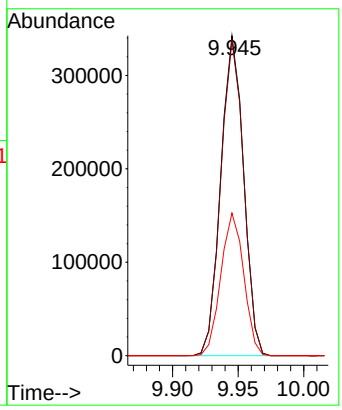


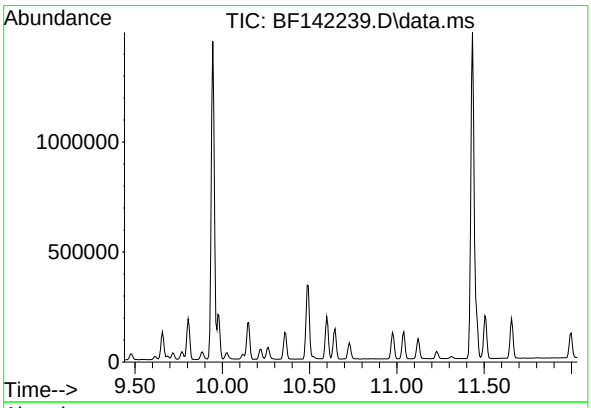
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 414360

Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.6	117.8
160	44.5	35.7	53.5



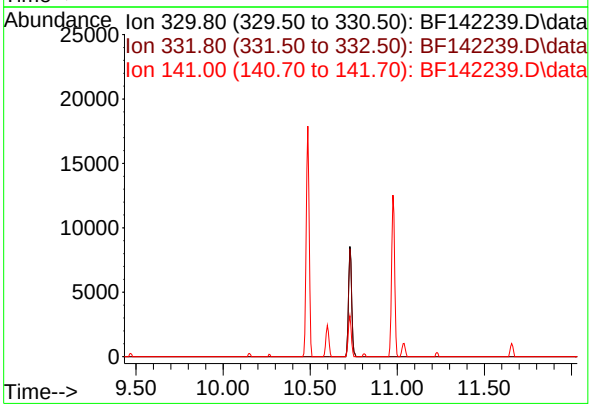


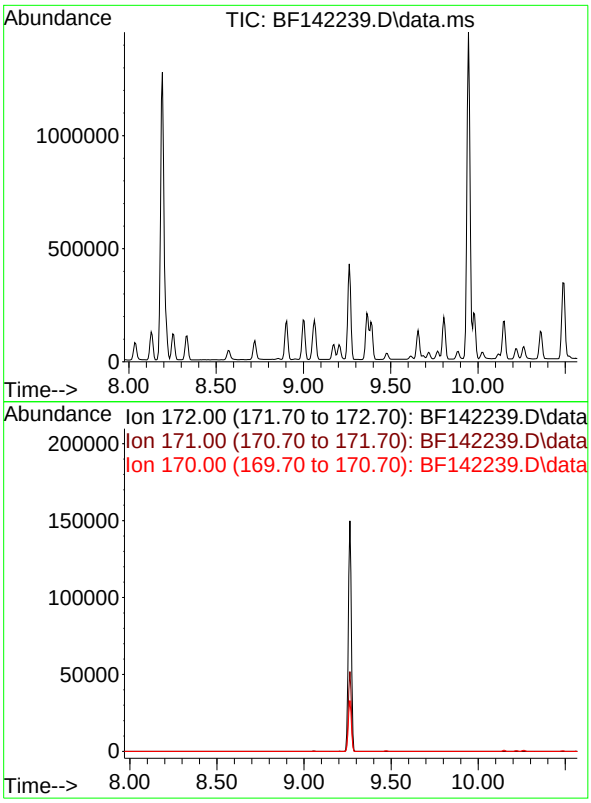
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.73 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.6
141	30.4





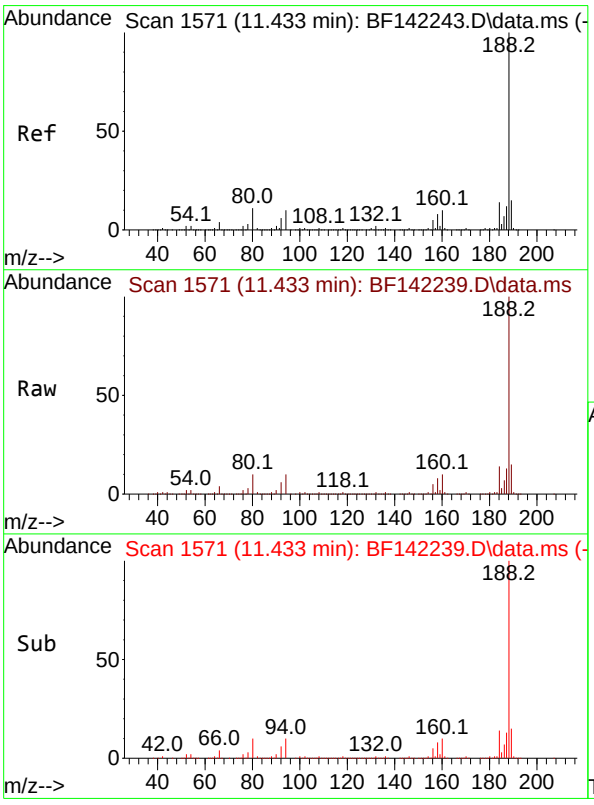
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.27 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.2
170	24.2

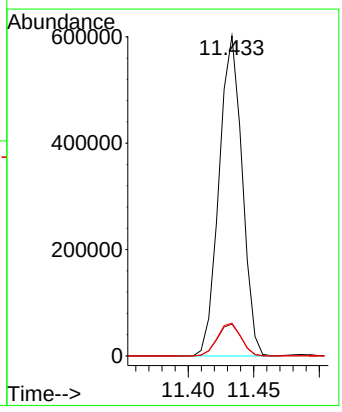
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

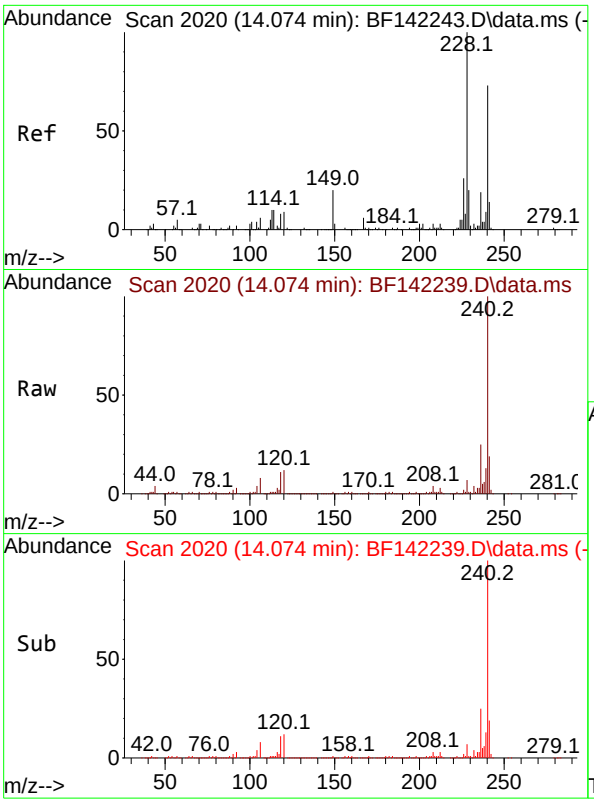


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion:188 Resp: 737147

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.3	8.6	12.8



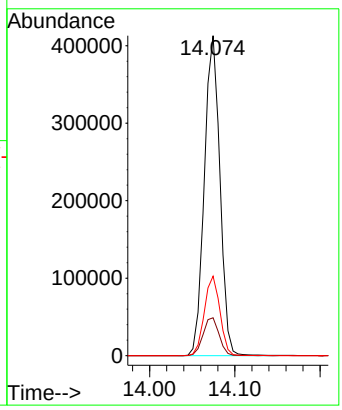


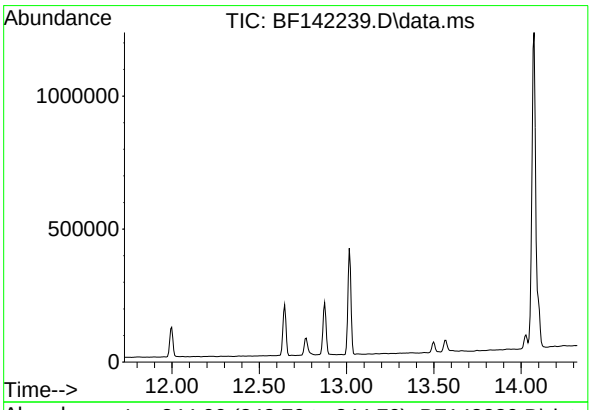
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 525717

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.1	15.1
236	24.9	20.5	30.7



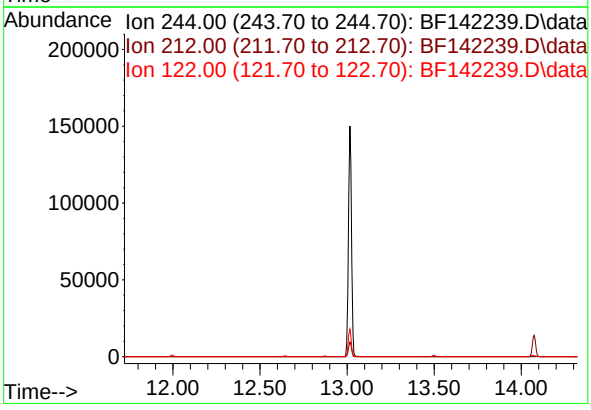


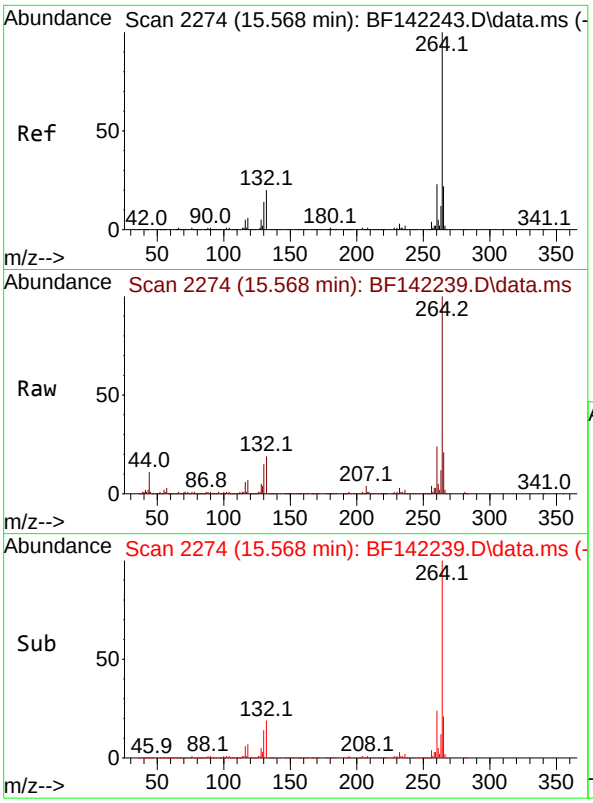
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	11.4



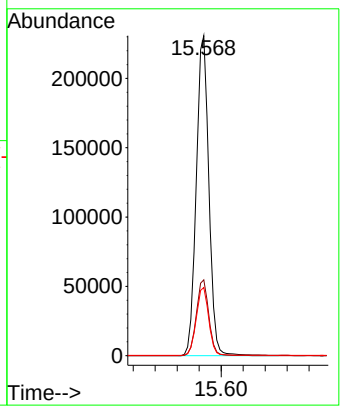


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142239.D
Acq: 30 Apr 2025 11:24

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 366865

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.4	27.6
265	21.3	17.3	25.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142240.D
Acq On : 30 Apr 2025 11:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 30 15:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	187794	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	726978	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	380022	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	664931	20.000	ng		0.00
76) Chrysene-d12	14.074	240	454911	20.000	ng		0.00
86) Perylene-d12	15.568	264	322126	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	124307	10.571	ng		0.00
7) Phenol-d6	6.510	99	146414	10.311	ng		-0.02
23) Nitrobenzene-d5	7.463	82	78765	7.118	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	26375	7.613	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	330323	12.256	ng		0.00
79) Terphenyl-d14	13.016	244	334852	10.706	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	26443	5.035	ng		97
3) Pyridine	3.469	79	68779	5.039	ng		99
4) n-Nitrosodimethylamine	3.393	42	35057	4.963	ng	#	97
6) Aniline	6.563	93	103866	5.168	ng		99
8) 2-Chlorophenol	6.687	128	58780	4.838	ng		99
9) Benzaldehyde	6.457	77	54160	5.457	ng		98
10) Phenol	6.528	94	78823	5.157	ng		96
11) bis(2-Chloroethyl)ether	6.634	93	63148	5.331	ng		99
12) 1,3-Dichlorobenzene	6.845	146	73777	5.367	ng		100
13) 1,4-Dichlorobenzene	6.928	146	75604	5.459	ng		97
14) 1,2-Dichlorobenzene	7.075	146	69920	5.289	ng		99
15) Benzyl Alcohol	7.039	79	49136	4.879	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.181	45	111179	5.198	ng		100
17) 2-Methylphenol	7.145	107	50945	5.118	ng		98
18) Hexachloroethane	7.422	117	21958	4.844	ng		96
19) n-Nitroso-di-n-propyla...	7.310	70	46341	5.281	ng		99
20) 3+4-Methylphenols	7.292	107	63725	5.119	ng		93
22) Acetophenone	7.310	105	92806	5.518	ng		96
24) Nitrobenzene	7.481	77	41660	3.837	ng		94
25) Isophorone	7.722	82	119954	5.165	ng		100
26) 2-Nitrophenol	7.804	139	8775	6.901	ng		99
27) 2,4-Dimethylphenol	7.828	122	57217	4.887	ng		97
28) bis(2-Chloroethoxy)met...	7.934	93	77155	5.268	ng		100
29) 2,4-Dichlorophenol	8.034	162	44643	4.560	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	58177	5.326	ng		99
31) Naphthalene	8.210	128	200969	5.543	ng		99
33) 4-Chloroaniline	8.251	127	81024	5.367	ng		98
34) Hexachlorobutadiene	8.334	225	32676	5.127	ng		97
35) Caprolactam	8.575	113	12427	4.223	ng		100
36) 4-Chloro-3-methylphenol	8.722	107	47673	4.743	ng		99
37) 2-Methylnaphthalene	8.904	142	123458	5.539	ng		97
38) 1-Methylnaphthalene	8.998	142	127274	5.512	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	58967	5.513	ng		97
41) Hexachlorocyclopentadiene	9.057	237	23228	3.827	ng		98
43) 2,4,6-Trichlorophenol	9.175	196	26171	3.949	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	30587	4.390	ng		95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142240.D
Acq On : 30 Apr 2025 11:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.363	154	168456	5.702	ng		98
47) 2-Chloronaphthalene	9.386	162	122469	5.572	ng		98
48) 2-Nitroaniline	9.475	65	11346	6.532	ng		89
49) Acenaphthylene	9.804	152	204157	5.504	ng		99
50) Dimethylphthalate	9.657	163	129376	5.322	ng		100
51) 2,6-Dinitrotoluene	9.716	165	9271	5.846	ng	#	81
52) Acenaphthene	9.975	154	120775	5.577	ng		99
53) 3-Nitroaniline	9.886	138	13576	5.423	ng	#	88
55) Dibenzofuran	10.151	168	183405	5.649	ng		98
57) 2,4-Dinitrotoluene	10.116	165	9928	6.601	ng	#	85
58) Fluorene	10.492	166	141835	5.746	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	23974m	4.154	ng		
60) Diethylphthalate	10.363	149	125748	5.238	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	66676	5.688	ng		98
62) 4-Nitroaniline	10.492	138	13695	5.254	ng	#	76
63) Azobenzene	10.645	77	127873	5.394	ng		99
66) n-Nitrosodiphenylamine	10.598	169	120800	5.317	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	37248	5.030	ng		97
68) Hexachlorobenzene	11.039	284	42558	5.131	ng		98
69) Atrazine	11.122	200	27629	4.614	ng		98
71) Phenanthrene	11.457	178	202460	5.637	ng		98
72) Anthracene	11.504	178	200946	5.472	ng		98
73) Carbazole	11.657	167	186963	5.581	ng		98
74) Di-n-butylphthalate	11.998	149	163860	4.864	ng		99
75) Fluoranthene	12.645	202	202911	5.715	ng		98
77) Benzidine	12.769	184	79877	4.132	ng		98
78) Pyrene	12.874	202	208462	4.968	ng		99
80) Butylbenzylphthalate	13.498	149	24840	5.714	ng		96
81) Benzo(a)anthracene	14.063	228	156840	5.136	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	32503	3.623	ng		94
83) Chrysene	14.098	228	148119	5.328	ng		98
84) Bis(2-ethylhexyl)phtha...	14.063	149	43692	6.006	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	106554	4.516	ng		98
88) Benzo(b)fluoranthene	15.121	252	106072	5.301	ng		100
89) Benzo(k)fluoranthene	15.151	252	97496	5.327	ng		99
90) Benzo(a)pyrene	15.498	252	90284	4.928	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	86557	4.520	ng		100
92) Benzo(g,h,i)perylene	17.521	276	86631	4.500	ng		99

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

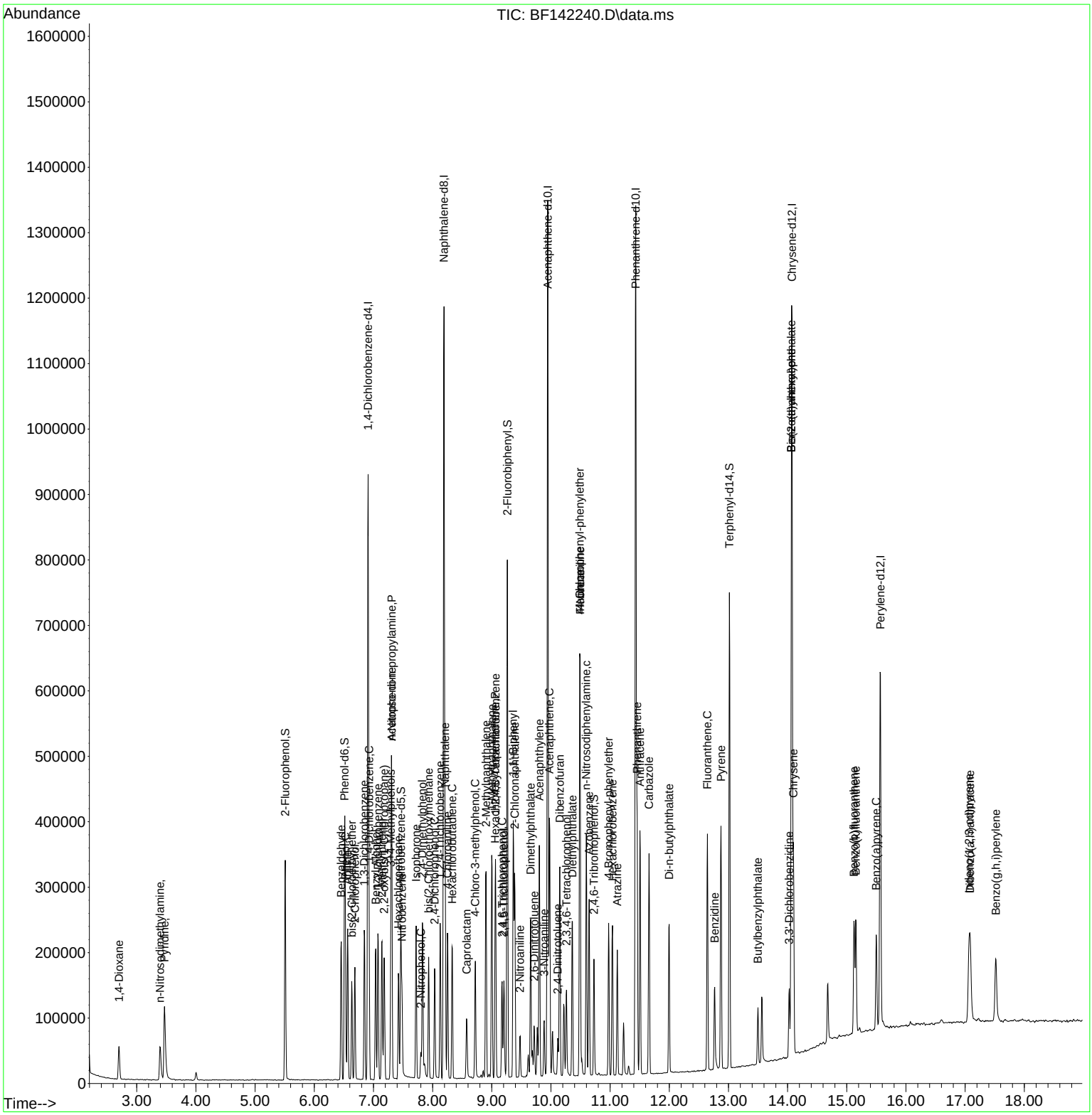
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142240.D
Acq On : 30 Apr 2025 11:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

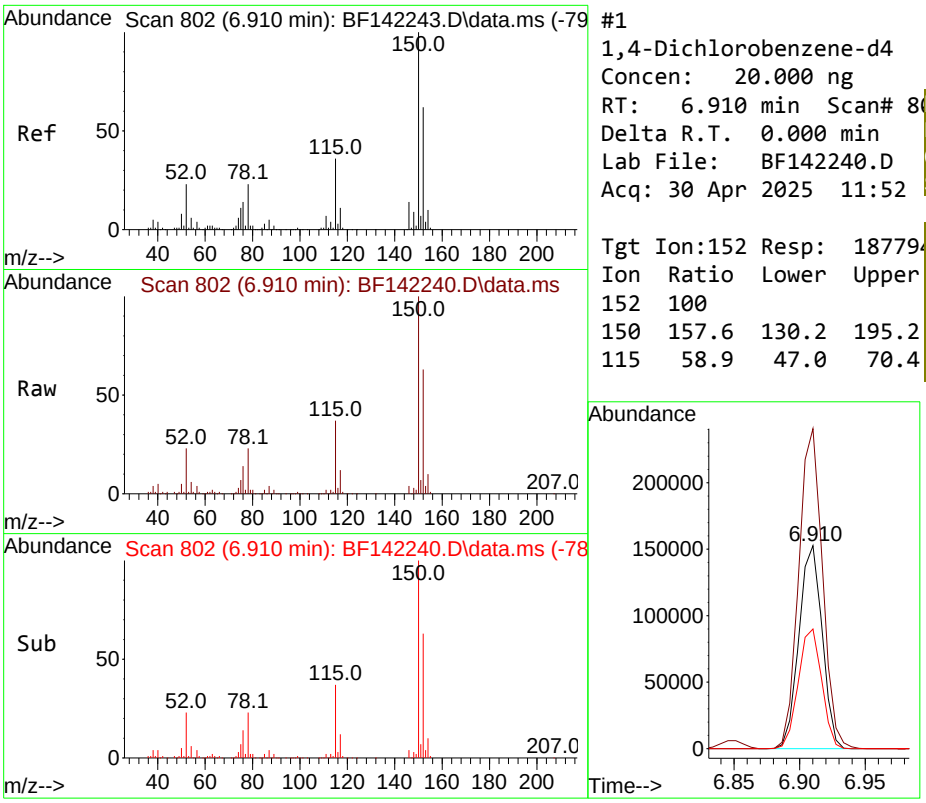
Quant Time: Apr 30 15:40:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:152 Resp: 18779

Ion	Ratio	Lower	Upper
152	100		
150	157.6	130.2	195.2
115	58.9	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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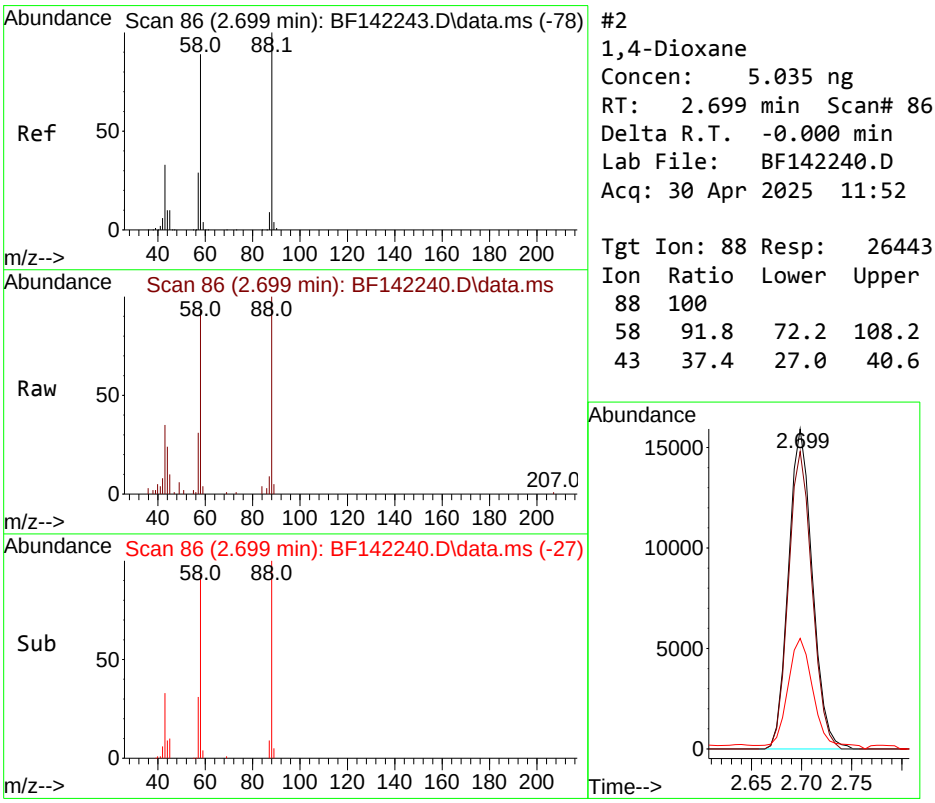
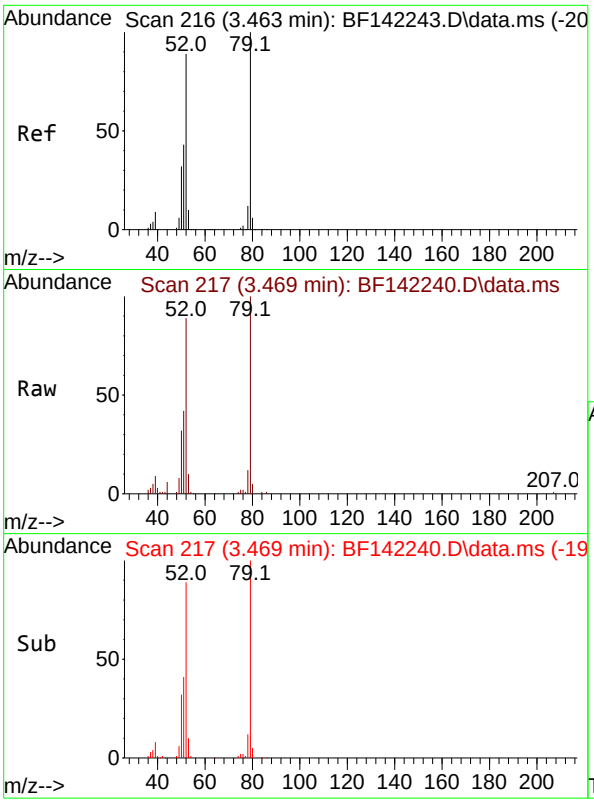


#2
1,4-Dioxane
Concen: 5.035 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 88 Resp: 26443

Ion	Ratio	Lower	Upper
88	100		
58	91.8	72.2	108.2
43	37.4	27.0	40.6



#3
Pyridine
Concen: 5.039 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 79 Resp: 6877

Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.5	107.3
51	42.1	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
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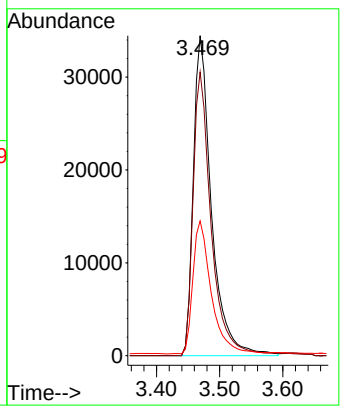
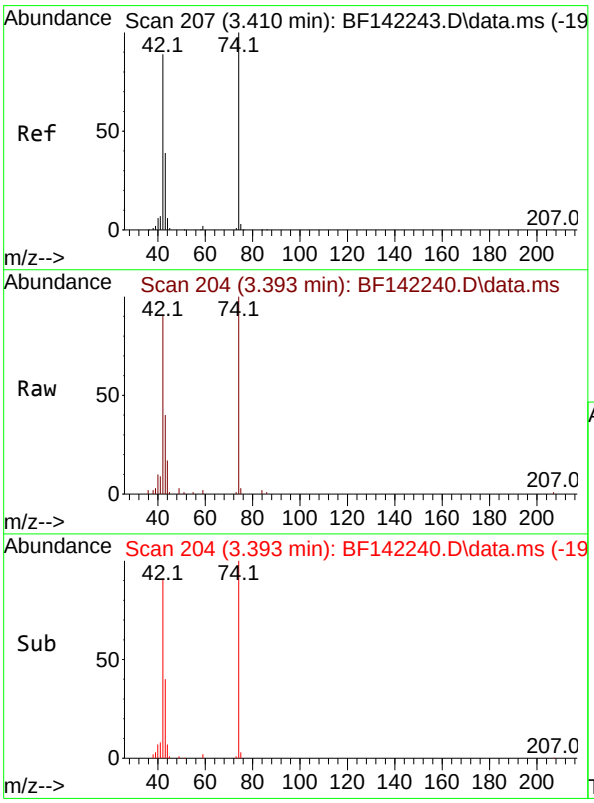
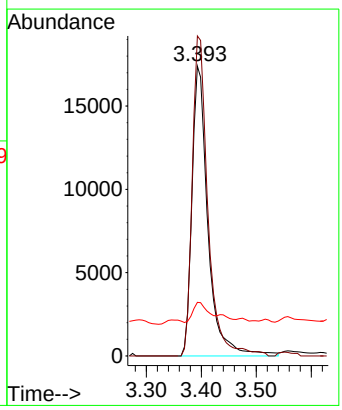


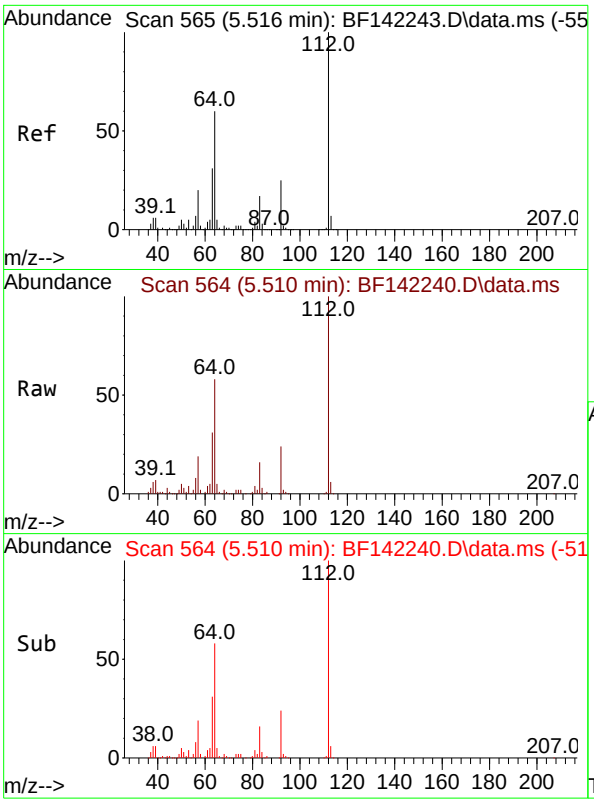


#4
n-Nitrosodimethylamine
Concen: 4.963 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.018 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 42 Resp: 35057

Ion	Ratio	Lower	Upper
42	100		
74	110.4	89.5	134.3
44	18.5	6.6	9.8#

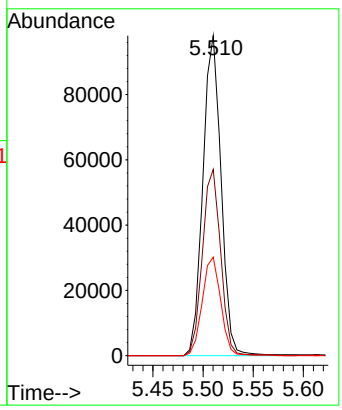




#5
2-Fluorophenol
Concen: 10.571 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:112 Resp: 12430

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.4	72.6
63	30.8	24.8	37.2



Instrument :
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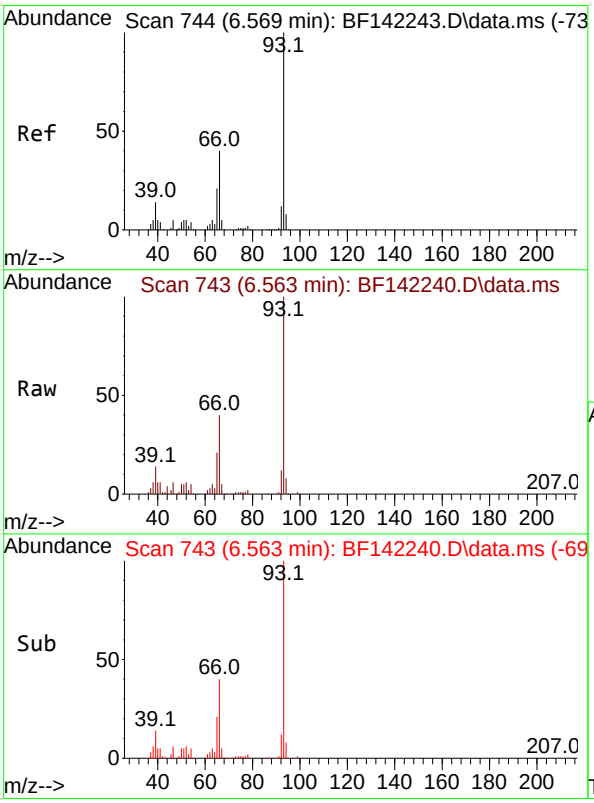
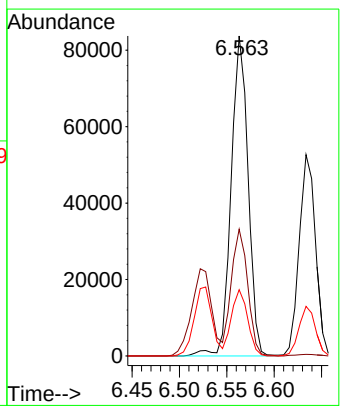
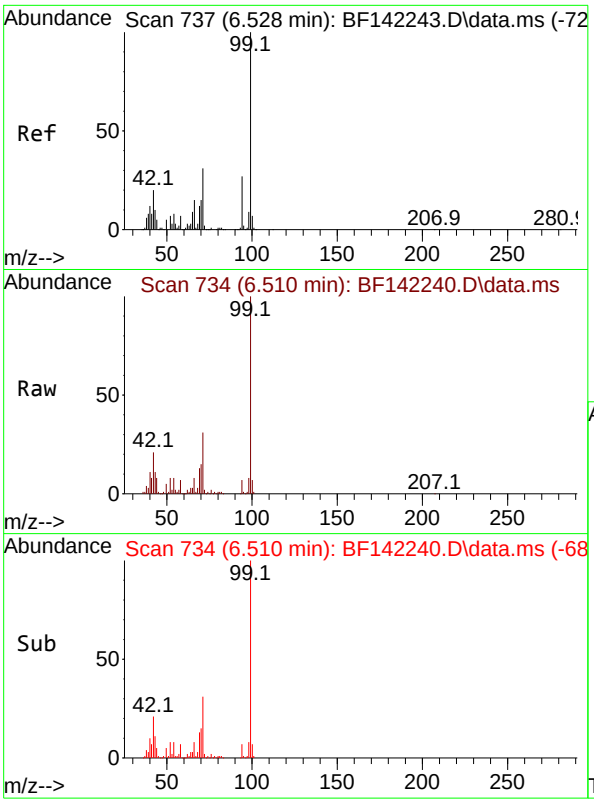


#6
Aniline
Concen: 5.168 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 93 Resp: 103866

Ion	Ratio	Lower	Upper
93	100		
66	39.6	32.1	48.1
65	20.7	16.6	24.8

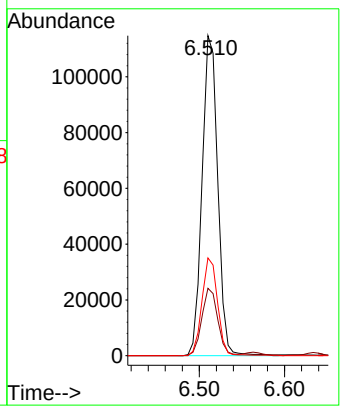




#7
Phenol-d6
Concen: 10.311 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 99 Resp: 14641

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	30.6	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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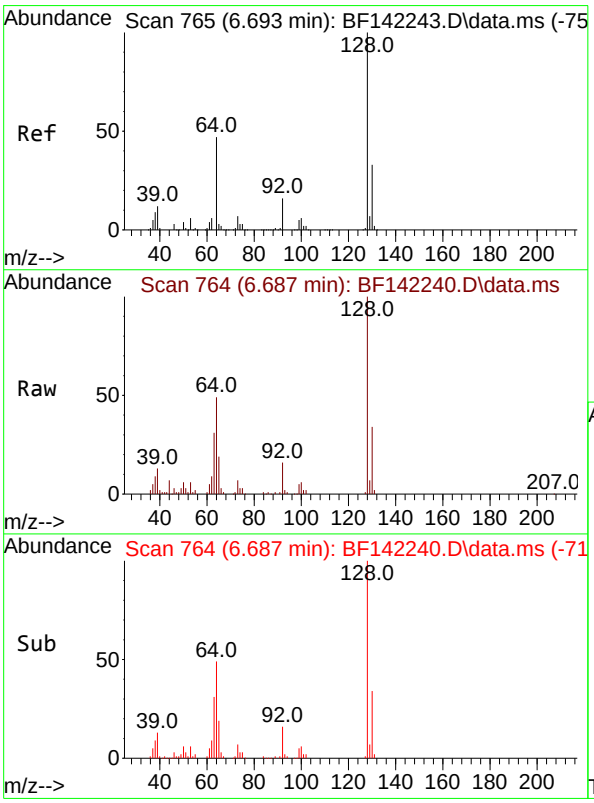
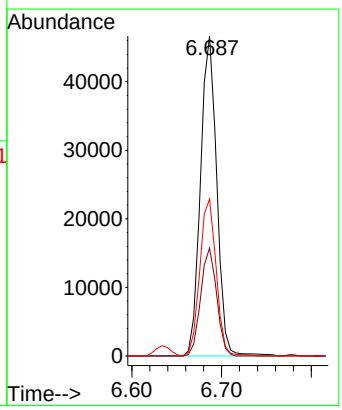
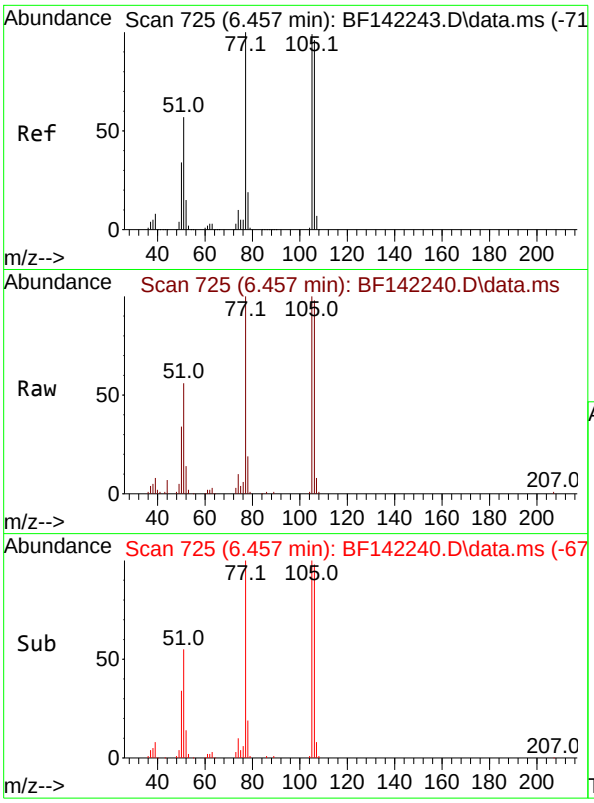


#8
2-Chlorophenol
Concen: 4.838 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:128 Resp: 58780

Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.1	53.1
64	49.0	28.6	68.6

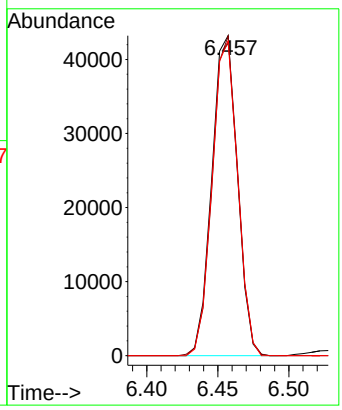




#9
Benzaldehyde
Concen: 5.457 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 77 Resp: 5416

Ion	Ratio	Lower	Upper
77	100		
105	99.9	79.1	119.1
106	98.3	76.0	116.0



Instrument :
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ClientSampleId :
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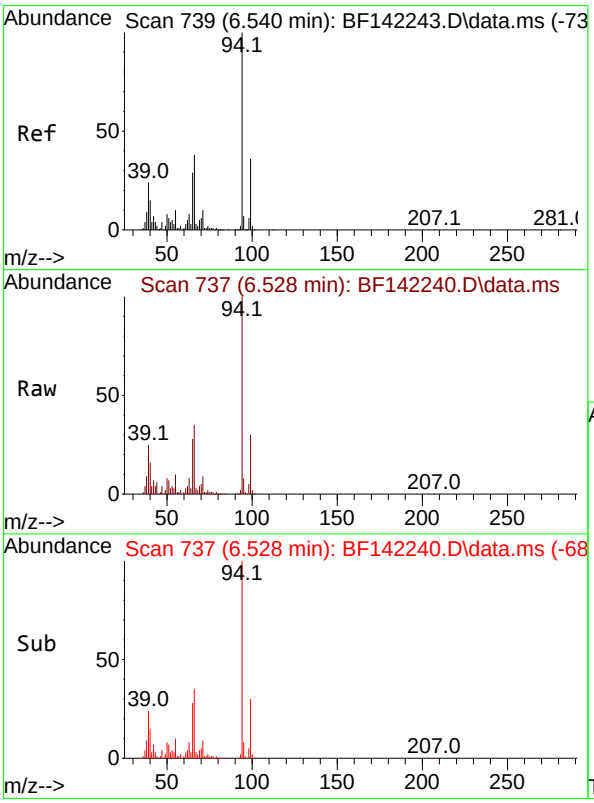
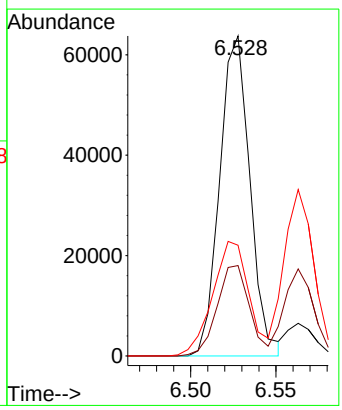
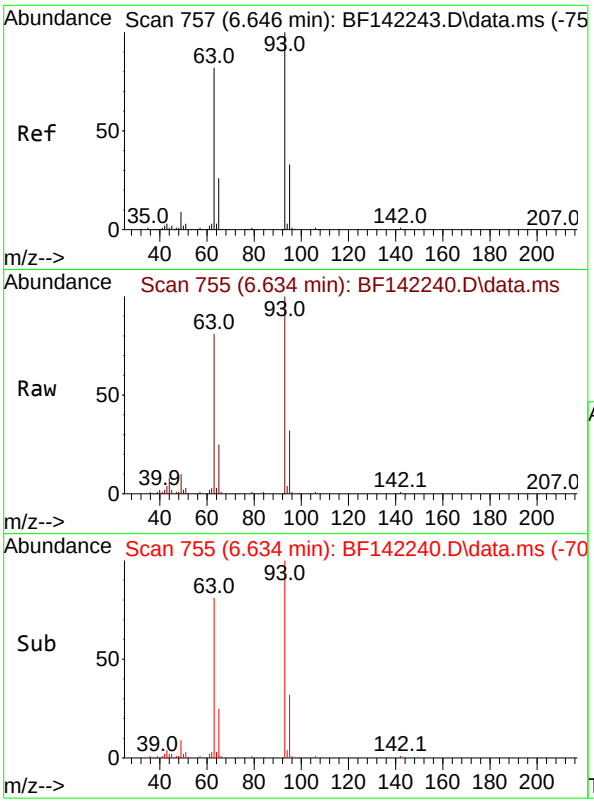


#10
Phenol
Concen: 5.157 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 94 Resp: 78823

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.9	48.9
66	34.6	18.7	58.7

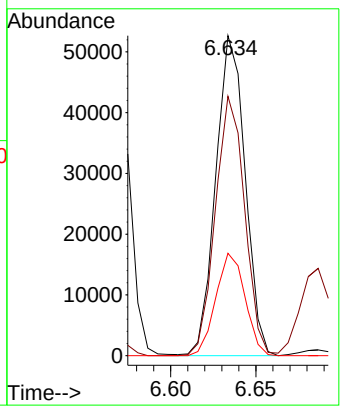




#11
bis(2-Chloroethyl)ether
Concen: 5.331 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 93 Resp: 6314

Ion	Ratio	Lower	Upper
93	100		
63	81.0	62.2	102.2
95	32.0	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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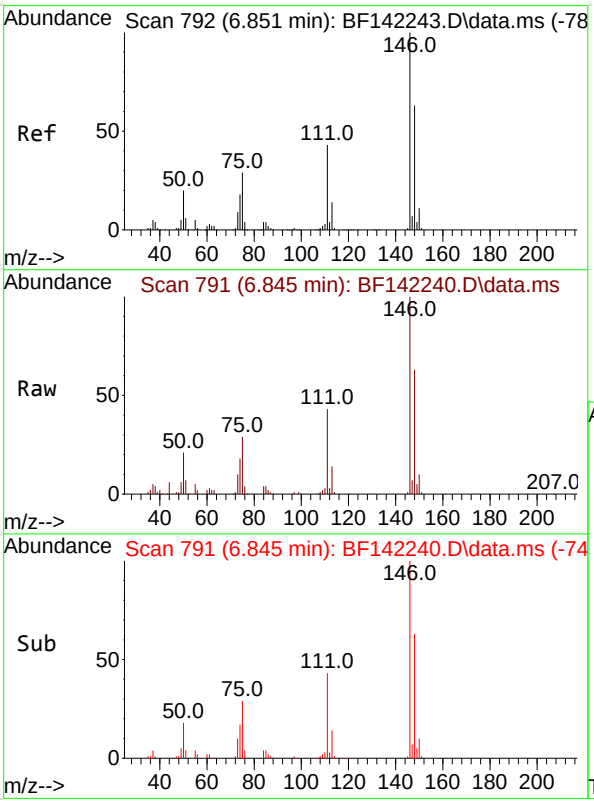
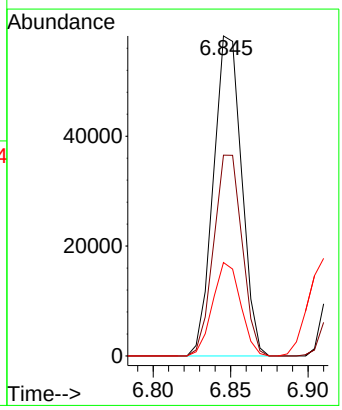
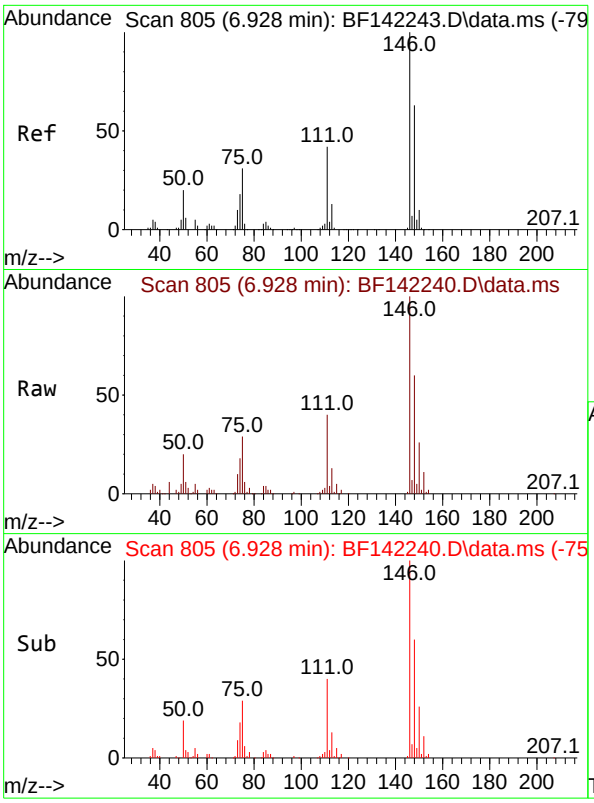


#12
1,3-Dichlorobenzene
Concen: 5.367 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:146 Resp: 73777

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
75	29.2	23.2	34.8

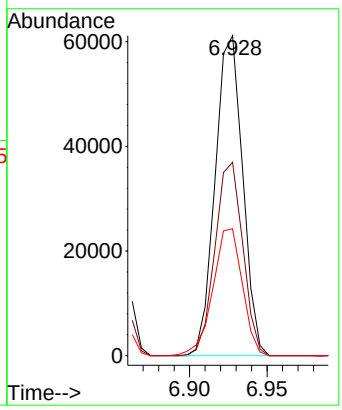




#13
1,4-Dichlorobenzene
Concen: 5.459 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:146 Resp: 7560

Ion	Ratio	Lower	Upper
146	100		
148	60.5	50.6	76.0
111	39.6	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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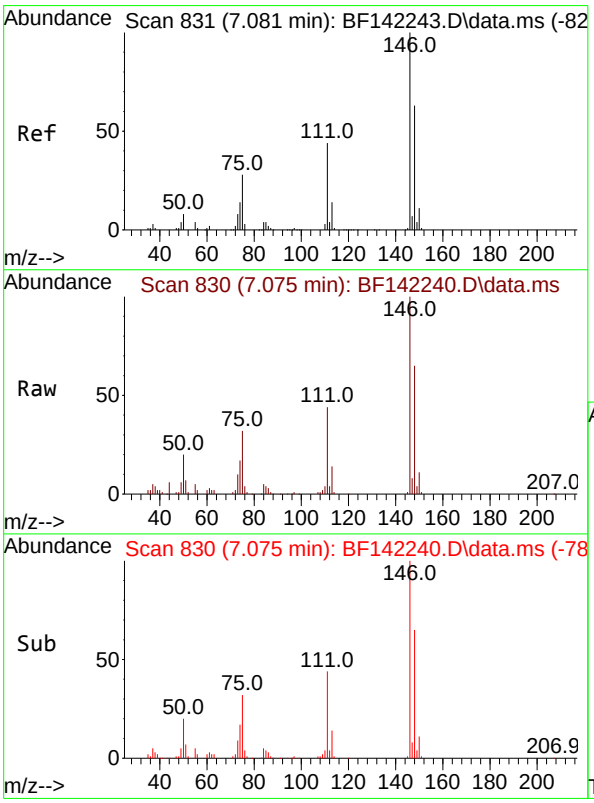
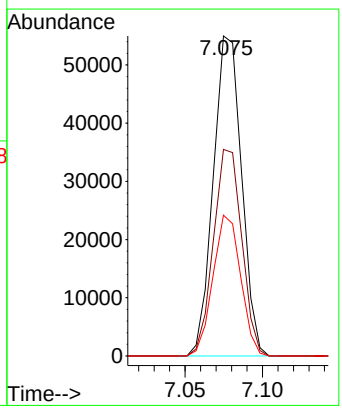
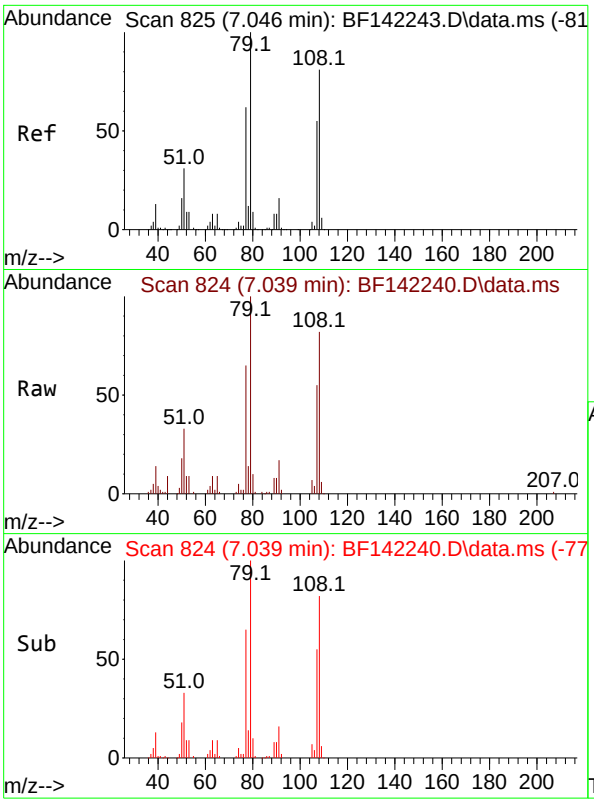


#14
1,2-Dichlorobenzene
Concen: 5.289 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:146 Resp: 69920

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.5	75.7
111	44.0	34.9	52.3

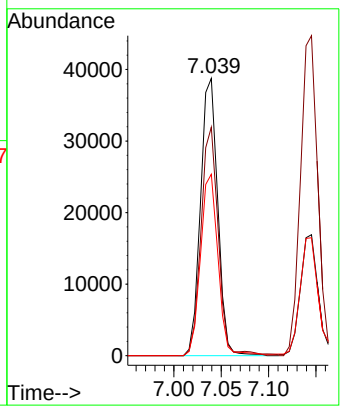




#15
Benzyl Alcohol
Concen: 4.879 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 79 Resp: 4913

Ion	Ratio	Lower	Upper
79	100		
108	82.4	64.5	96.7
77	65.4	49.2	73.8



Instrument :
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ClientSampleId :
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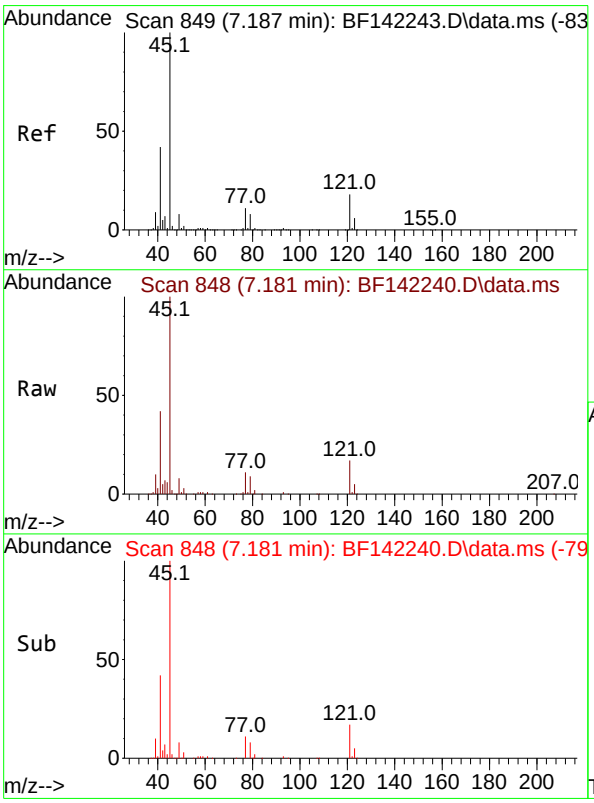
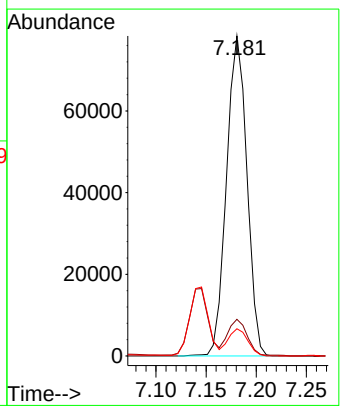
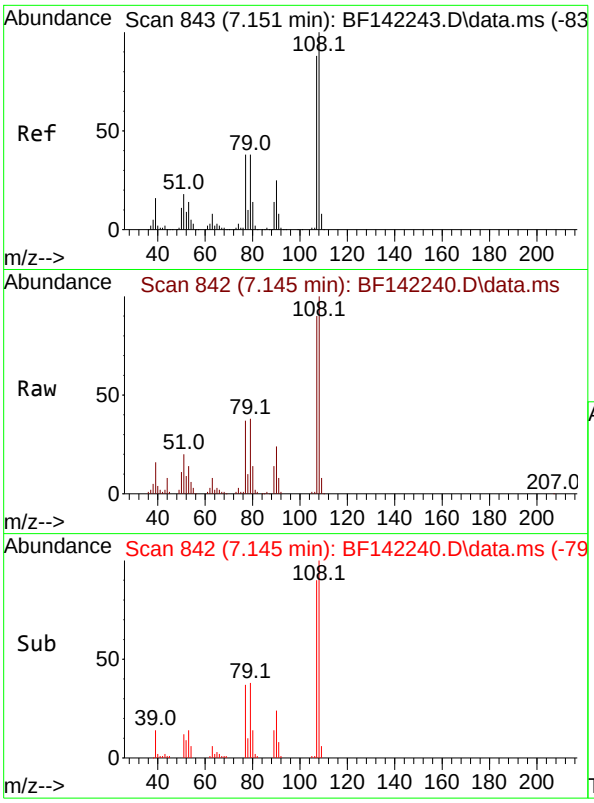


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.198 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 45 Resp: 111179

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.3
79	8.5	0.0	28.5

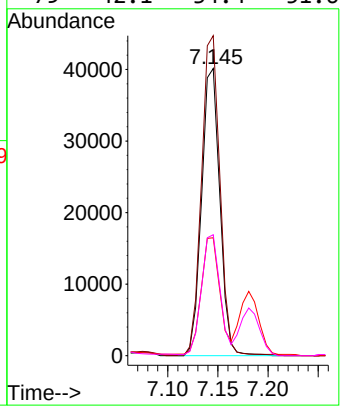




#17
2-Methylphenol
Concen: 5.118 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:107 Resp: 5094

Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.0	136.4
77	41.1	34.4	51.6
79	42.1	34.4	51.6



Instrument :
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ClientSampleId :
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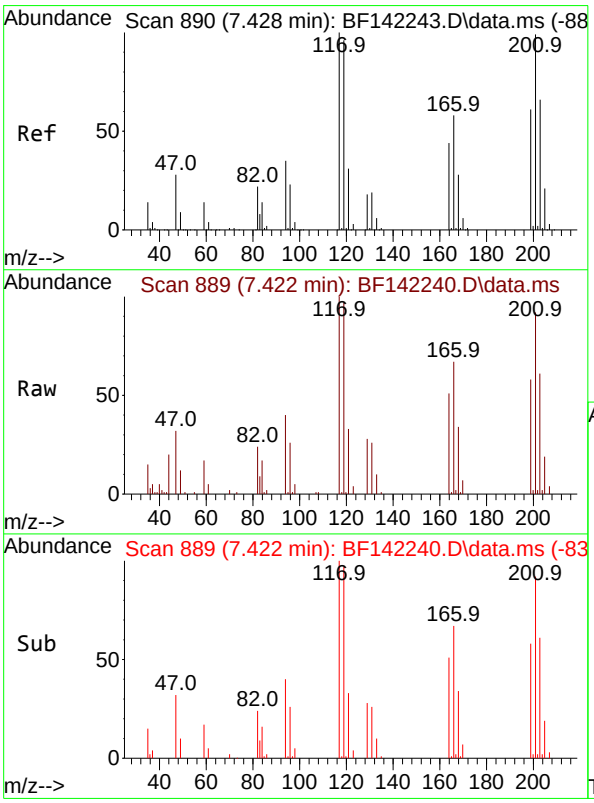
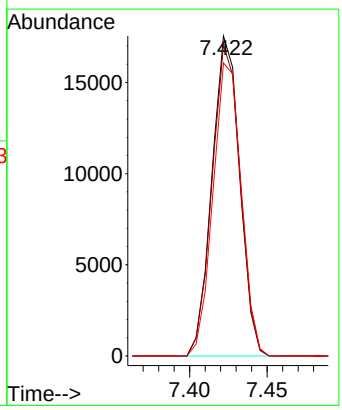
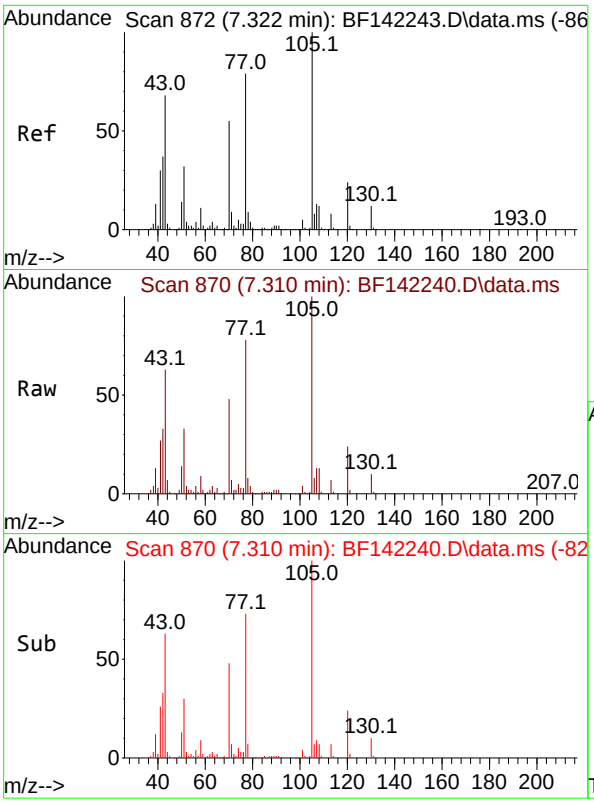


#18
Hexachloroethane
Concen: 4.844 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:117 Resp: 21958

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
201	91.6	79.4	119.2

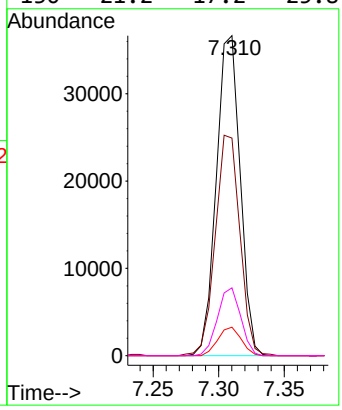




#19
n-Nitroso-di-n-propylamine
Concen: 5.281 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 70 Resp: 4634

Ion	Ratio	Lower	Upper
70	100		
42	68.0	53.4	80.2
101	8.9	7.7	11.5
130	21.2	17.2	25.8



Instrument :
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ClientSampleId :
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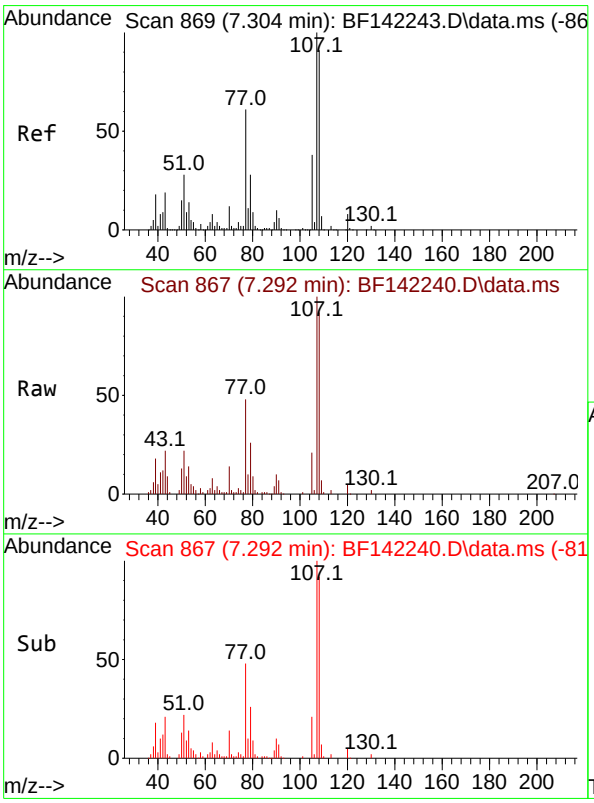
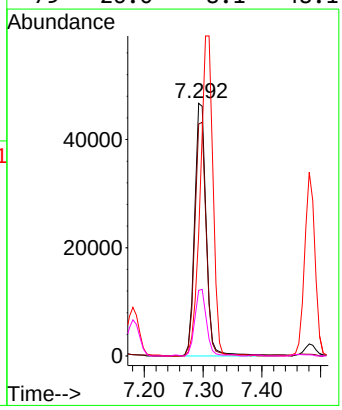
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

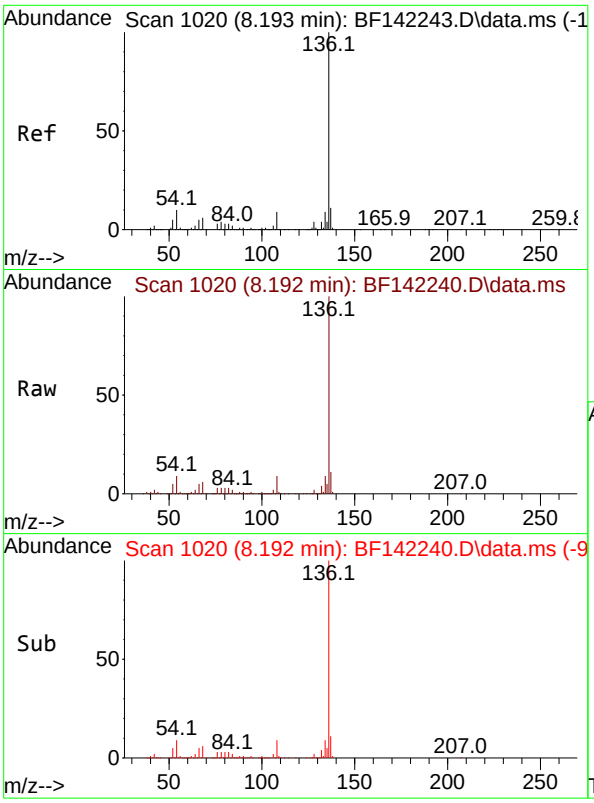


#20
3+4-Methylphenols
Concen: 5.119 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:107 Resp: 63725

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.2	111.2
77	48.0	41.1	81.1
79	26.0	8.1	48.1

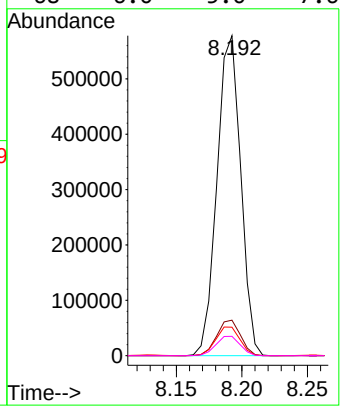




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:136 Resp: 72697

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.9	7.7	11.5
68	6.0	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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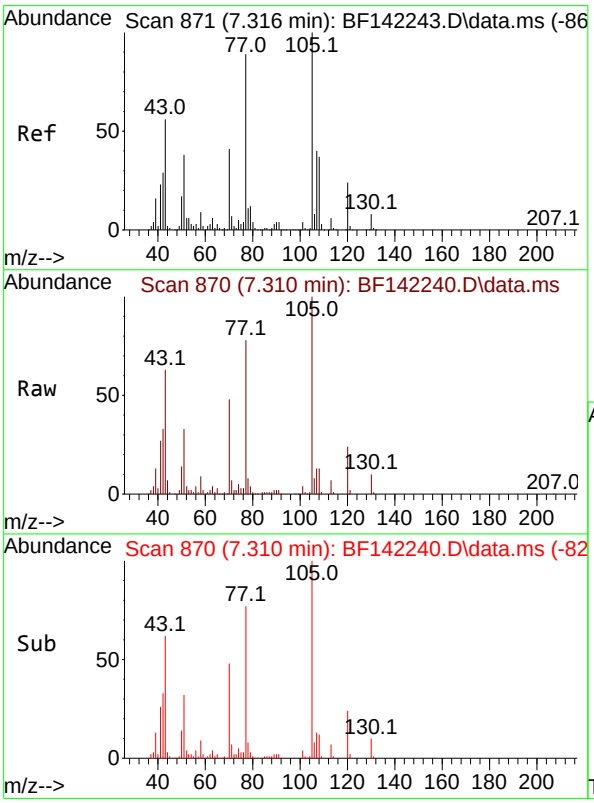
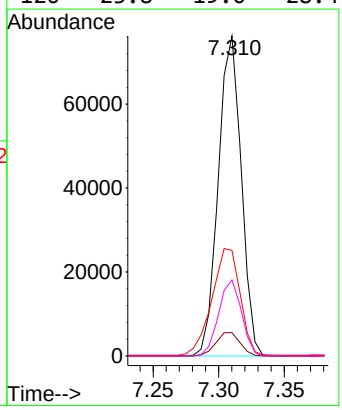
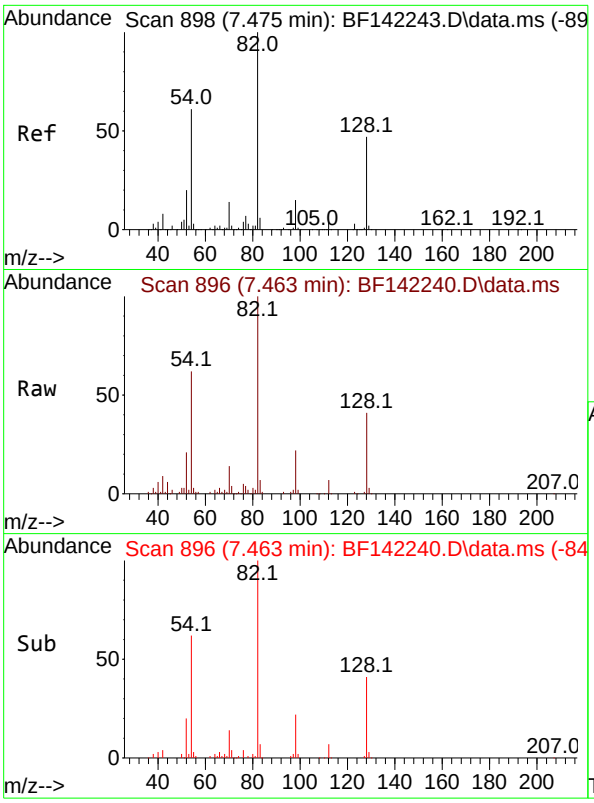


#22
Acetophenone
Concen: 5.518 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:105 Resp: 92806

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.7	8.5
51	33.0	30.1	45.1
120	23.8	19.0	28.4

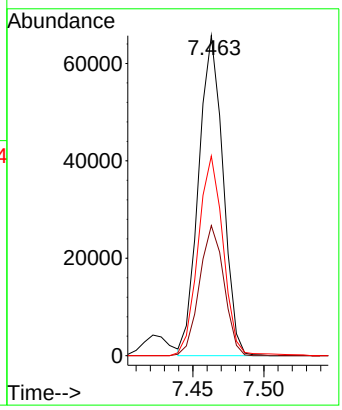




#23
Nitrobenzene-d5
Concen: 7.118 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 82 Resp: 7876

Ion	Ratio	Lower	Upper
82	100		
128	40.7	37.0	55.6
54	62.4	48.0	72.0



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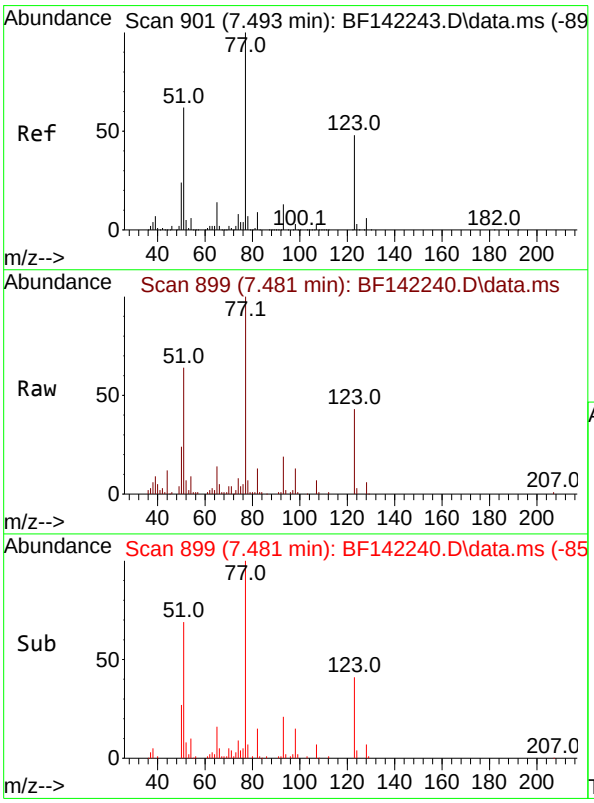
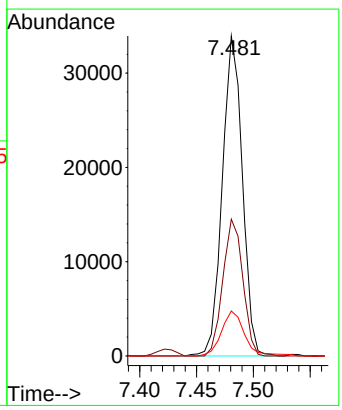
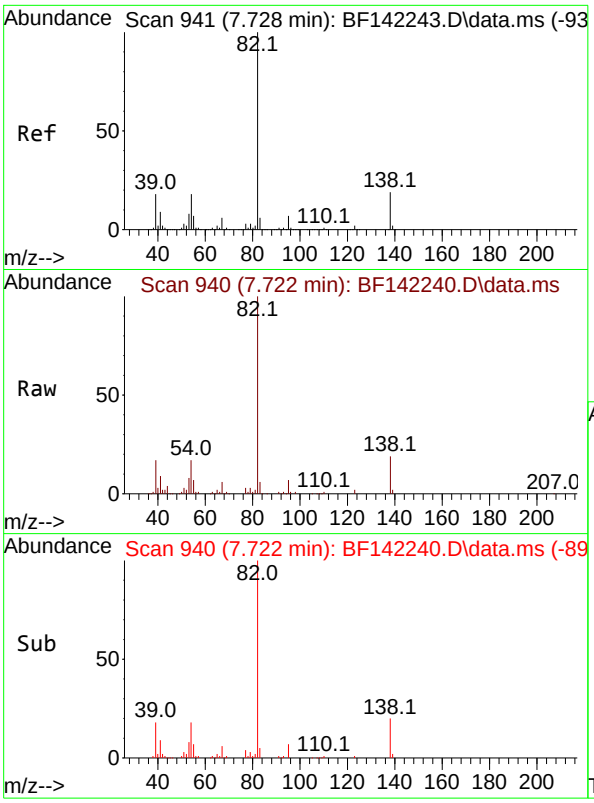


#24
Nitrobenzene
Concen: 3.837 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 77 Resp: 41660

Ion	Ratio	Lower	Upper
77	100		
123	42.7	38.6	58.0
65	14.1	11.5	17.3

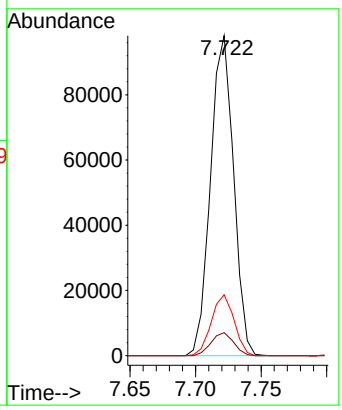




#25
Isophorone
Concen: 5.165 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 82 Resp: 11995

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.0	15.3	22.9



Instrument :
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ClientSampleId :
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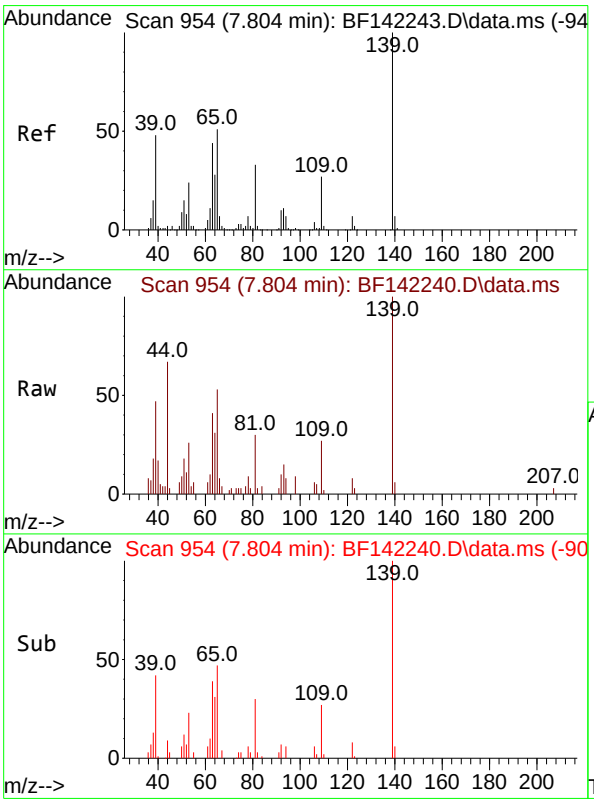
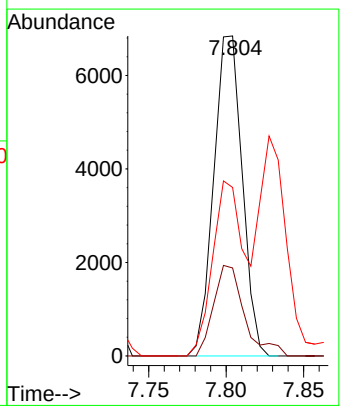
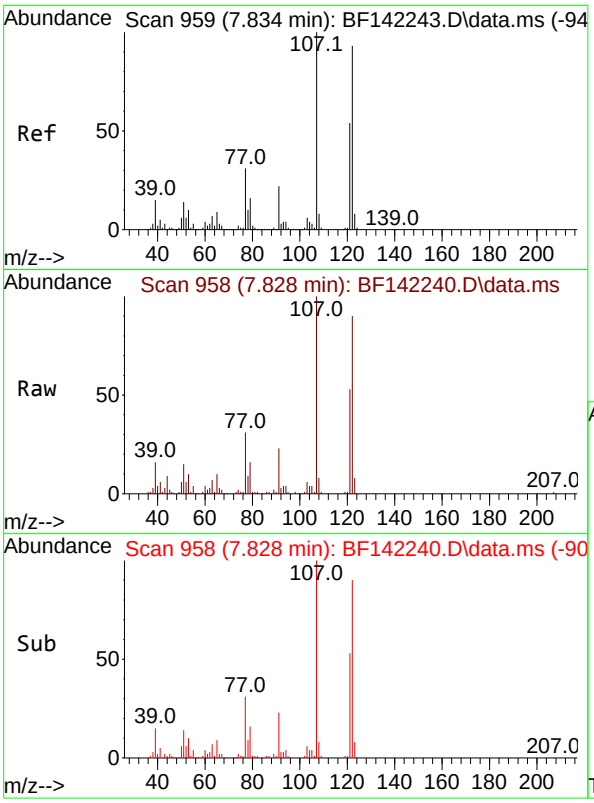


#26
2-Nitrophenol
Concen: 6.901 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:139 Resp: 8775

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.8
65	52.6	41.1	61.7

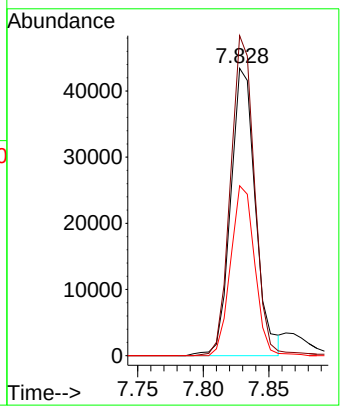




#27
2,4-Dimethylphenol
Concen: 4.887 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:122 Resp: 5721

Ion	Ratio	Lower	Upper
122	100		
107	111.3	86.0	129.0
121	59.1	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
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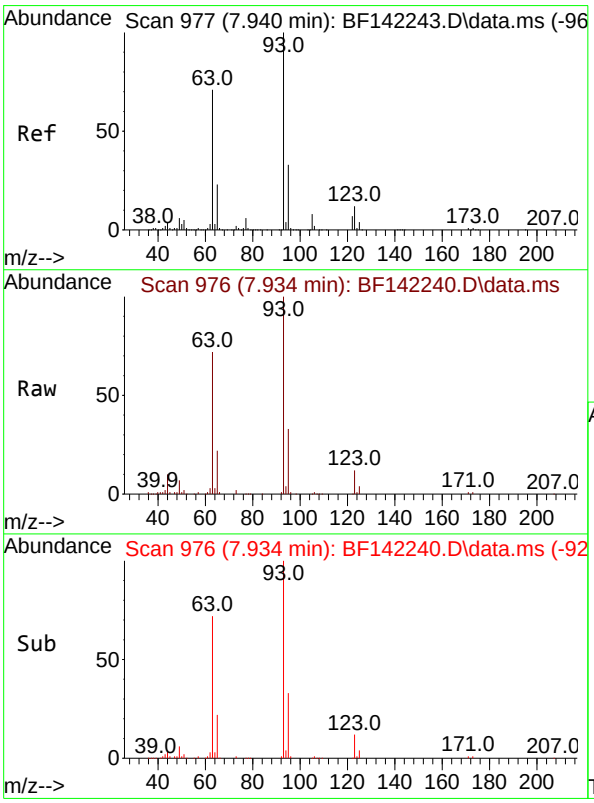
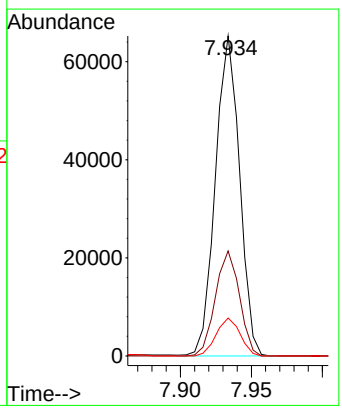
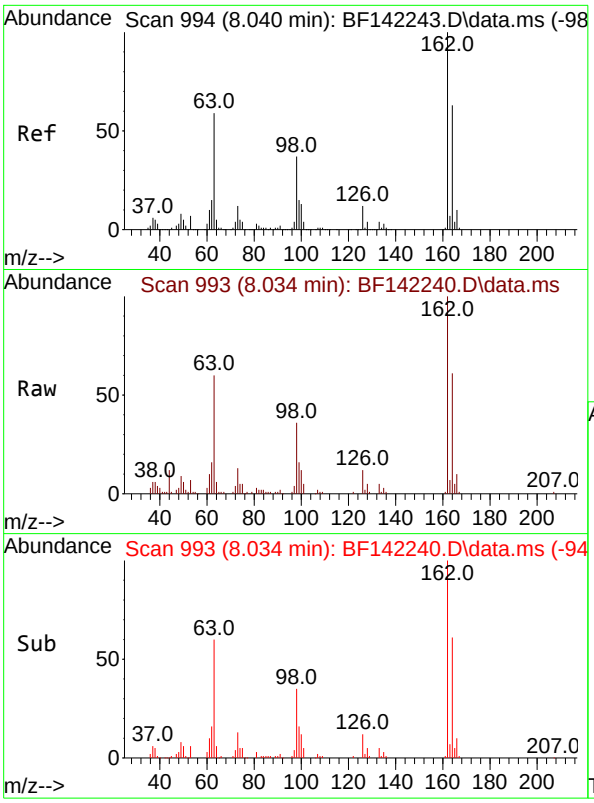


#28
bis(2-Chloroethoxy)methane
Concen: 5.268 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 93 Resp: 77155

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	11.8	9.7	14.5

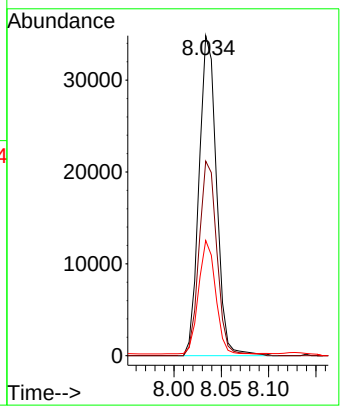




#29
2,4-Dichlorophenol
Concen: 4.560 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:162 Resp: 4464

Ion	Ratio	Lower	Upper
162	100		
164	60.8	43.0	83.0
98	36.0	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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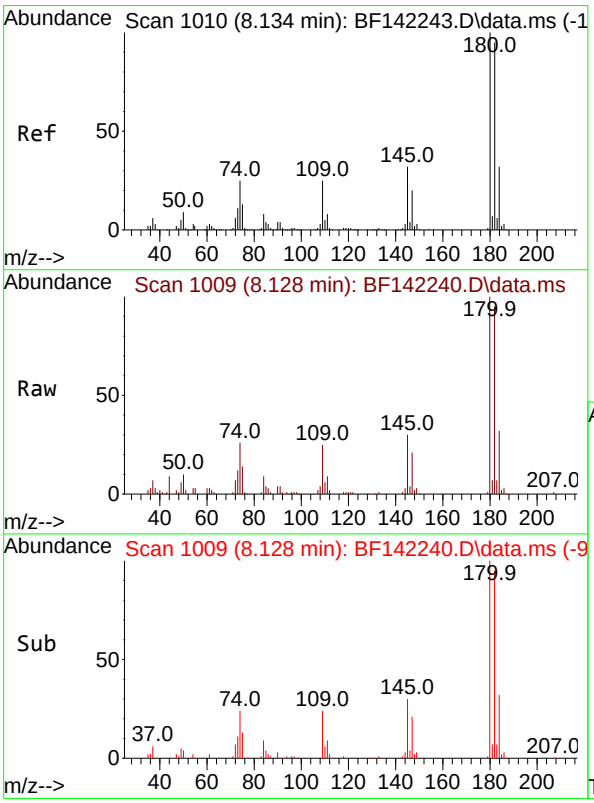
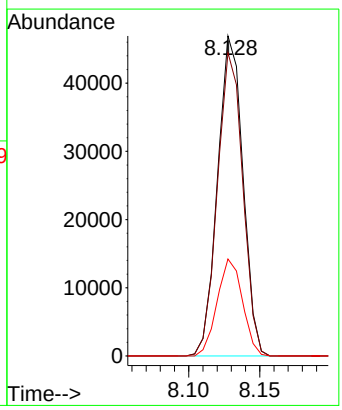
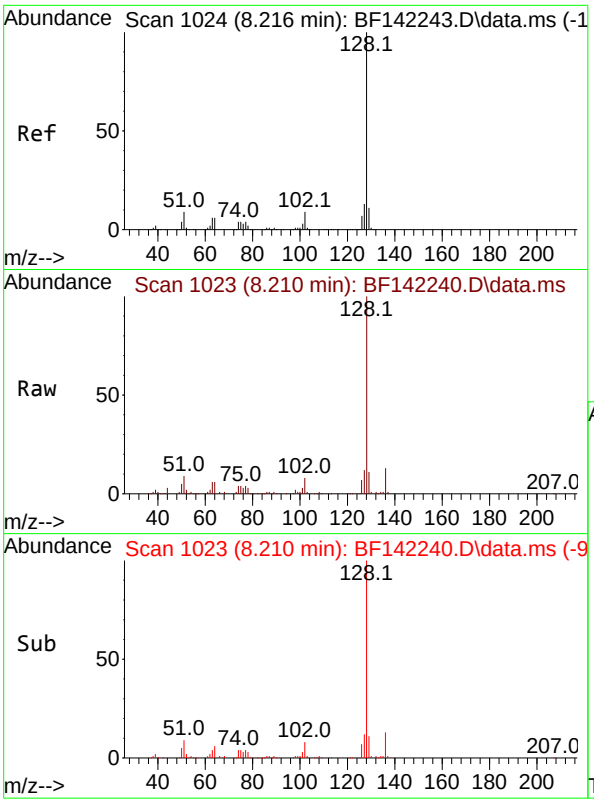


#30
1,2,4-Trichlorobenzene
Concen: 5.326 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:180 Resp: 58177

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	30.3	25.4	38.0

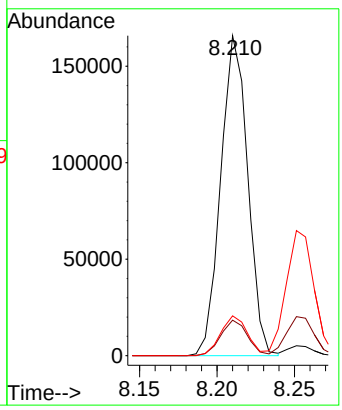




#31
Naphthalene
Concen: 5.543 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:128 Resp: 20096

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.4	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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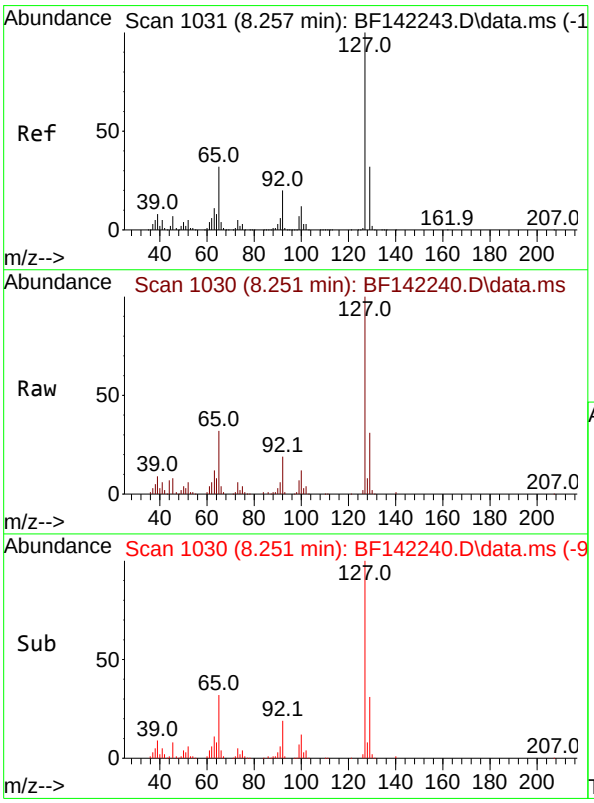
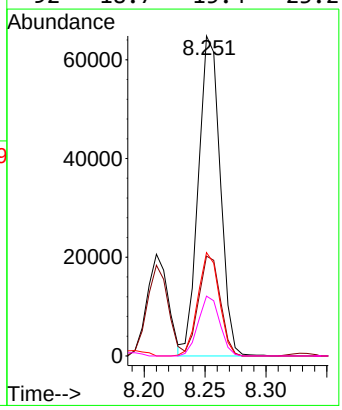
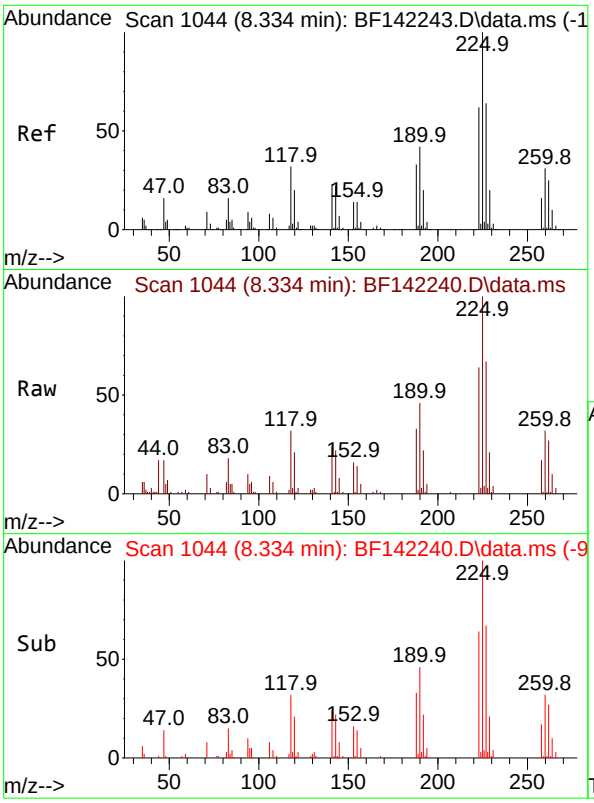


#33
4-Chloroaniline
Concen: 5.367 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:127 Resp: 81024

Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.1	39.1
65	32.3	25.5	38.3
92	18.7	15.4	23.2

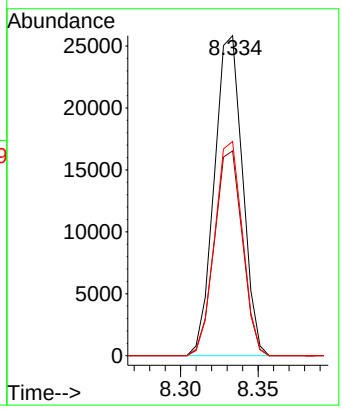




#34
Hexachlorobutadiene
Concen: 5.127 ng
RT: 8.334 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:225 Resp: 3267

Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.7	74.5
227	67.0	51.0	76.4



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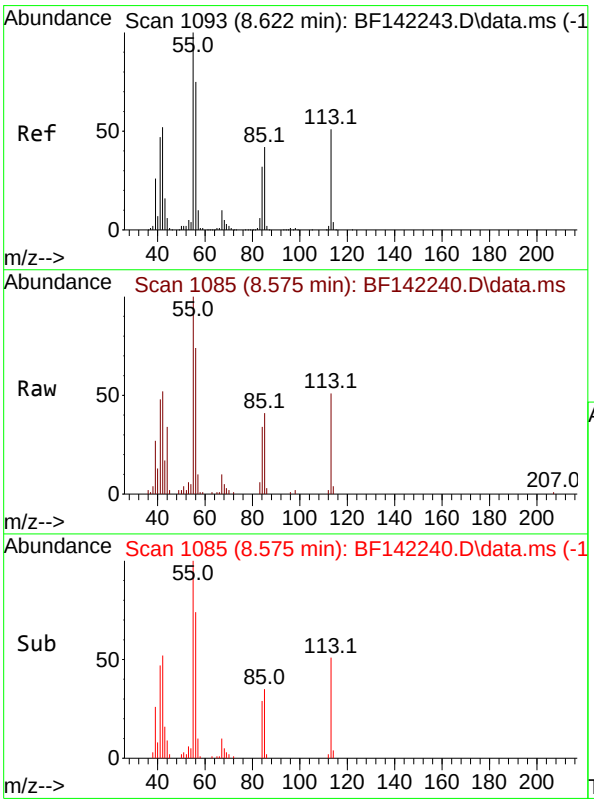
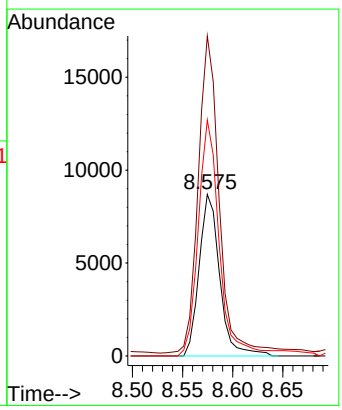
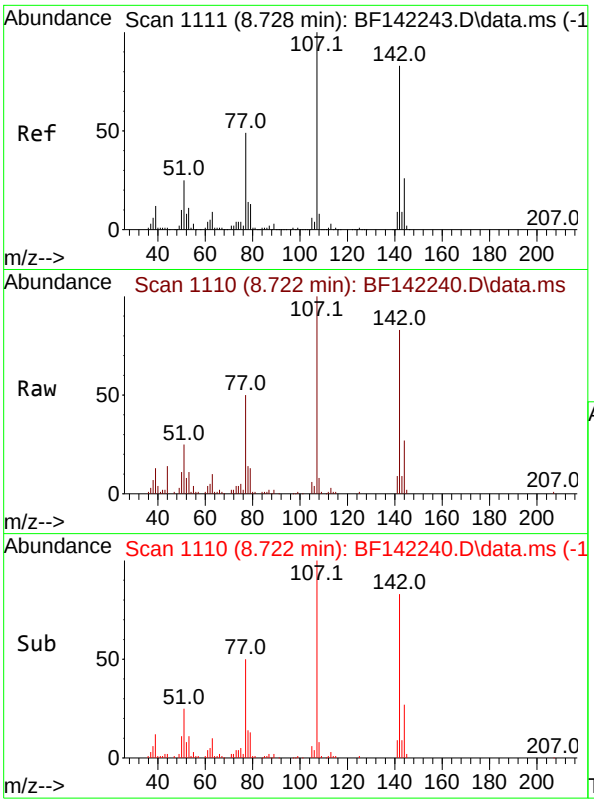


#35
Caprolactam
Concen: 4.223 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.047 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:113 Resp: 12427

Ion	Ratio	Lower	Upper
113	100		
55	197.9	177.7	217.7
56	146.0	127.1	167.1

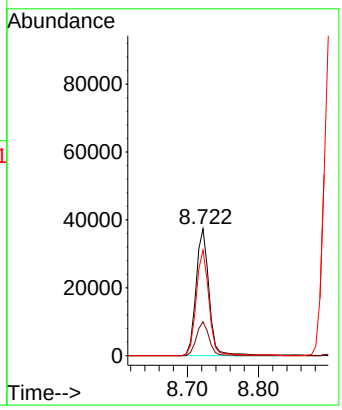




#36
4-Chloro-3-methylphenol
Concen: 4.743 ng
RT: 8.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:107 Resp: 4767

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.0	31.4
142	83.1	66.1	99.1



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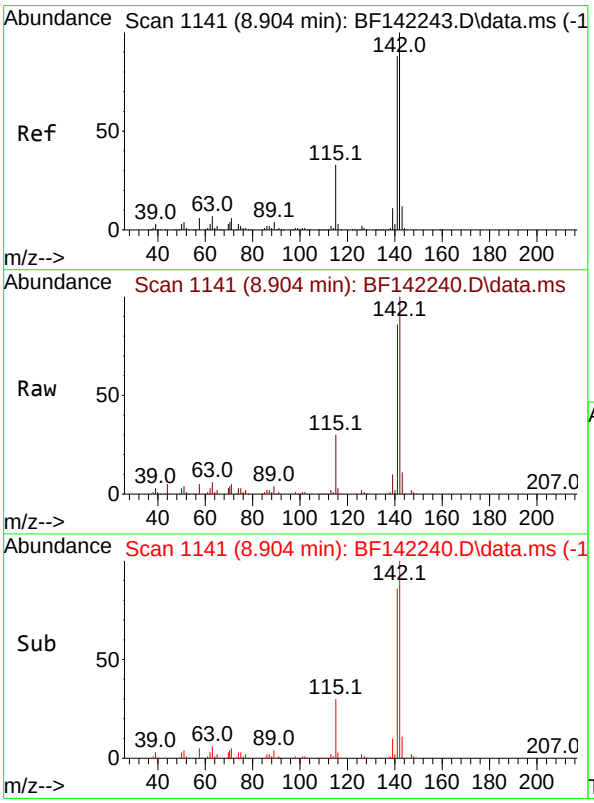
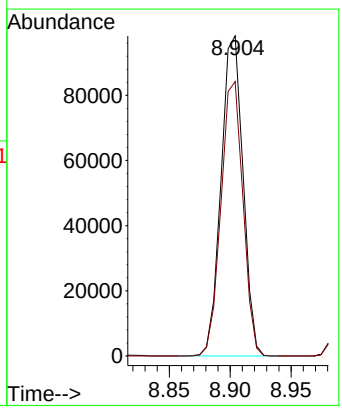
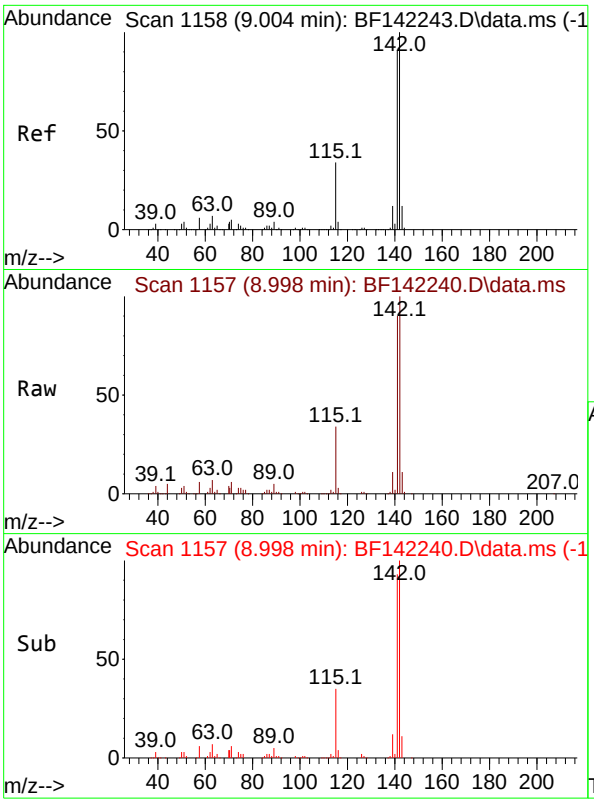


#37
2-Methylnaphthalene
Concen: 5.539 ng
RT: 8.904 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:142 Resp: 123458

Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.5	105.7

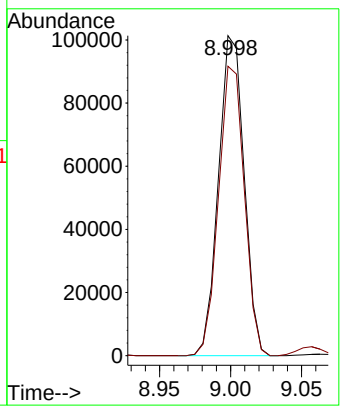




#38
1-Methylnaphthalene
Concen: 5.512 ng
RT: 8.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:142 Resp: 12727

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.8	109.2



Instrument :
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ClientSampleId :
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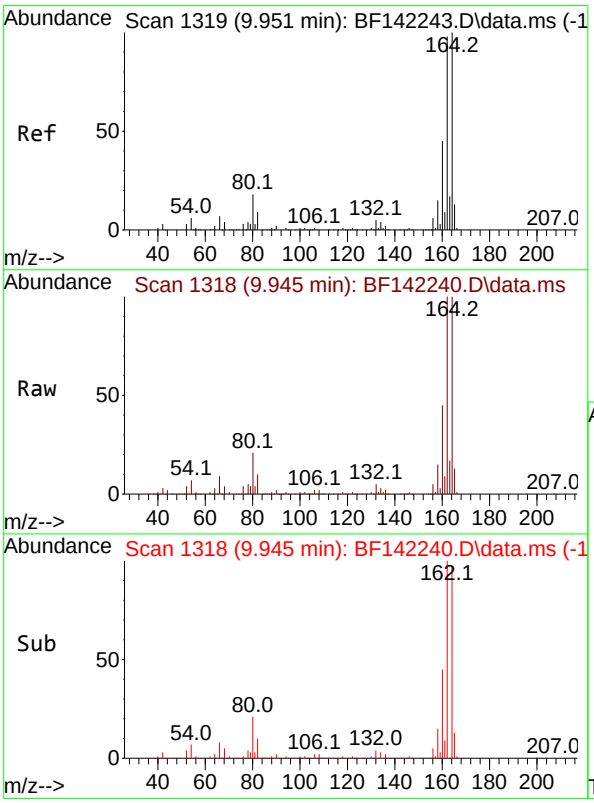
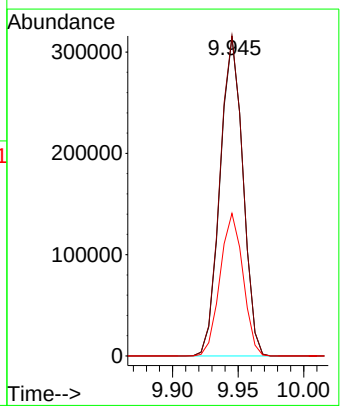
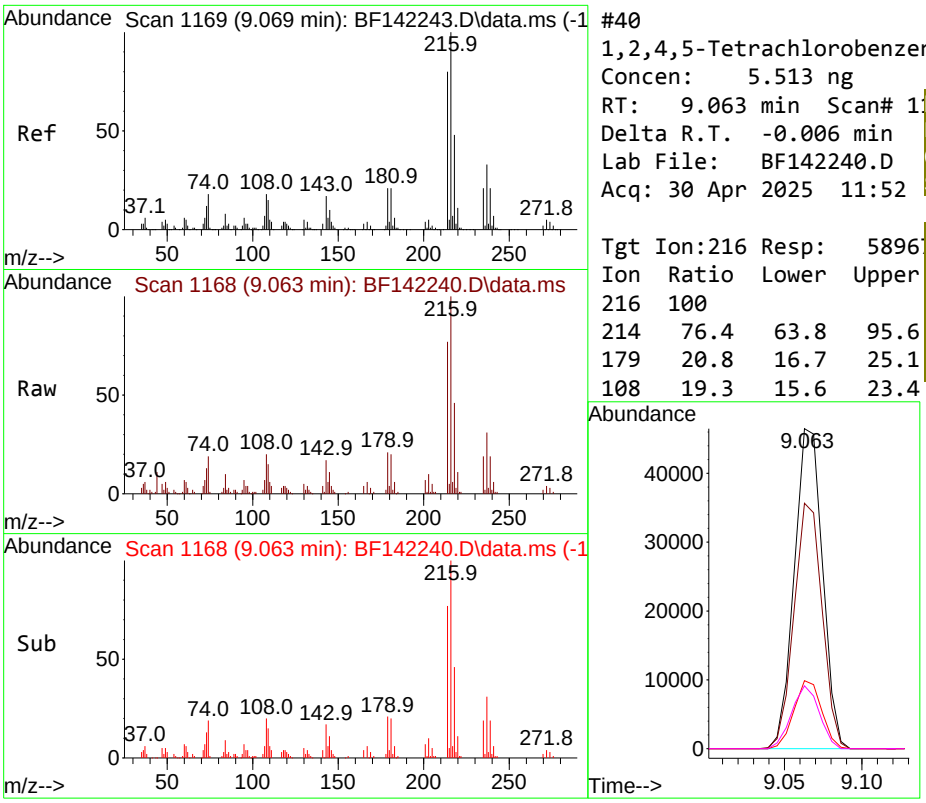


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:164 Resp: 380022

Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.6	117.8
160	44.8	35.7	53.5





#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.513 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:216 Resp: 5896

Ion	Ratio	Lower	Upper
216	100		
214	76.4	63.8	95.6
179	20.8	16.7	25.1
108	19.3	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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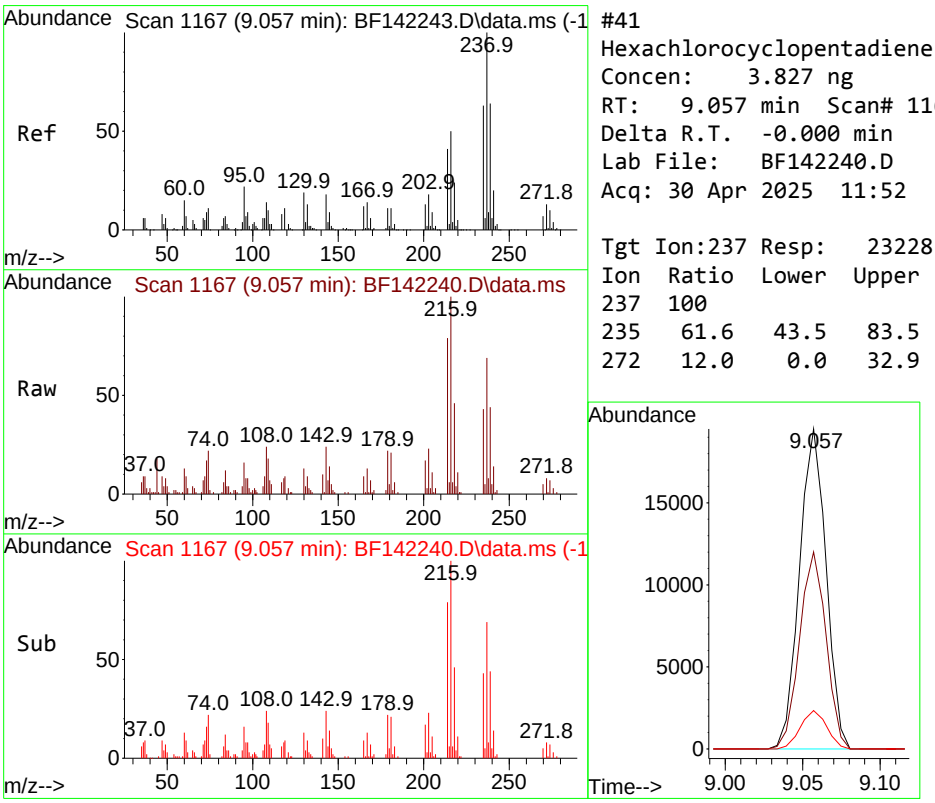
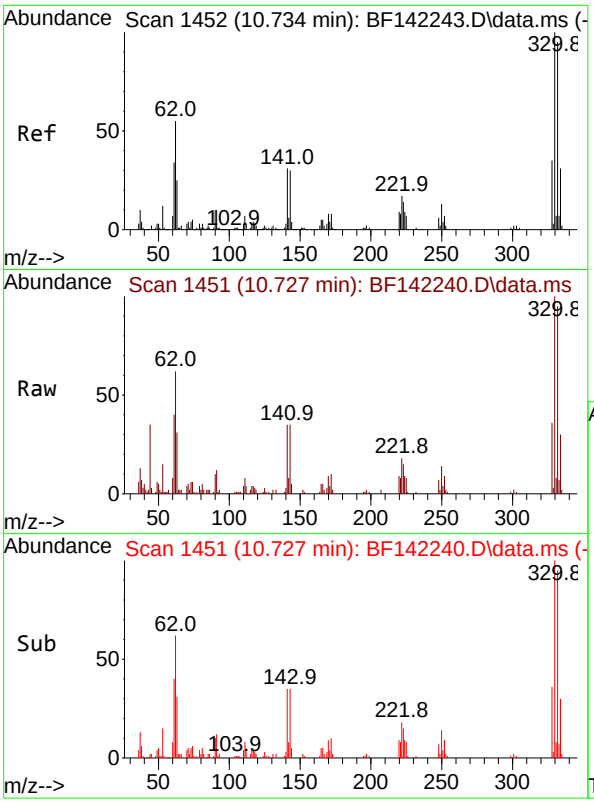
Supervised By :Jagrut Upadhyay 05/01/2025



#41
Hexachlorocyclopentadiene
Concen: 3.827 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:237 Resp: 23228

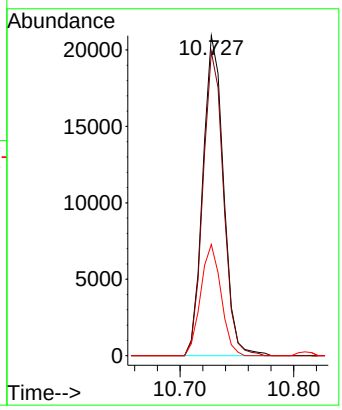
Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.5	83.5
272	12.0	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 7.613 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:330 Resp: 2637

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.5	114.7
141	34.3	24.3	36.5



Instrument :
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ClientSampleId :
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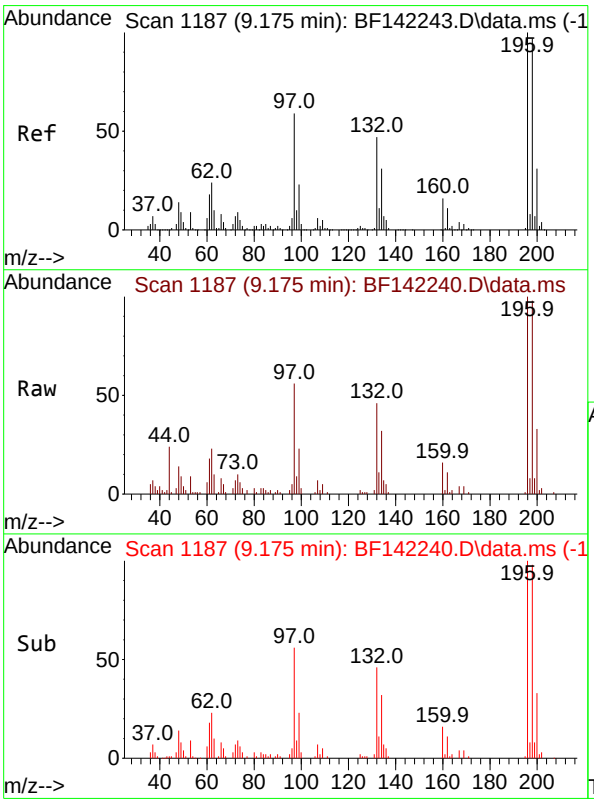
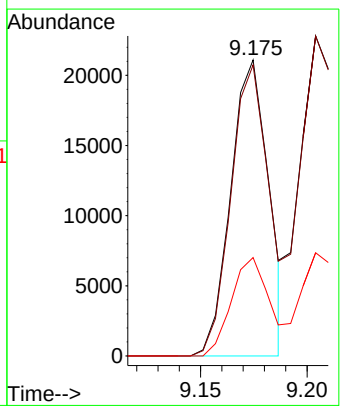
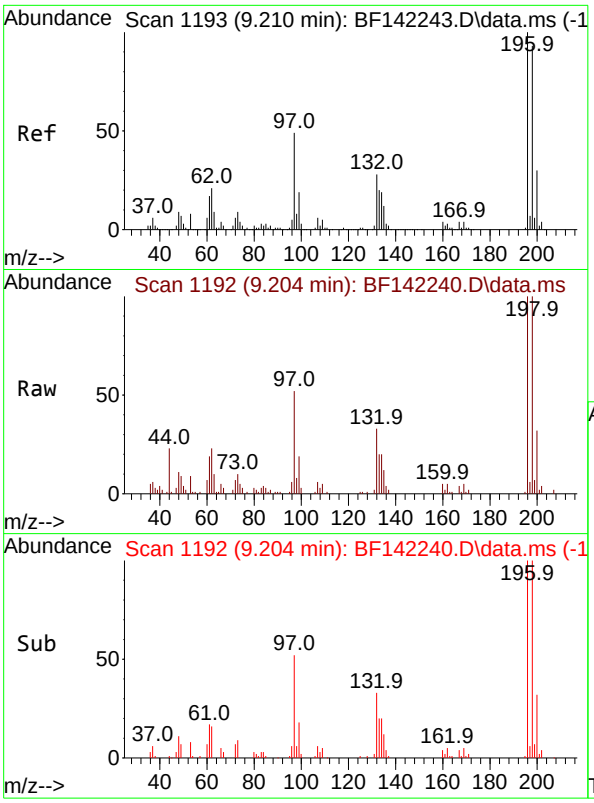


#43
2,4,6-Trichlorophenol
Concen: 3.949 ng
RT: 9.175 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:196 Resp: 26171

Ion	Ratio	Lower	Upper
196	100		
198	98.3	77.4	116.2
200	33.2	24.6	37.0

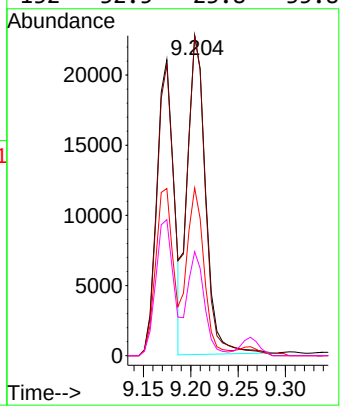




#44
2,4,5-Trichlorophenol
Concen: 4.390 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:196 Resp: 3058

Ion	Ratio	Lower	Upper
196	100		
198	99.9	75.2	112.8
97	52.4	39.8	59.8
132	32.5	23.8	35.8



Instrument :
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ClientSampleId :
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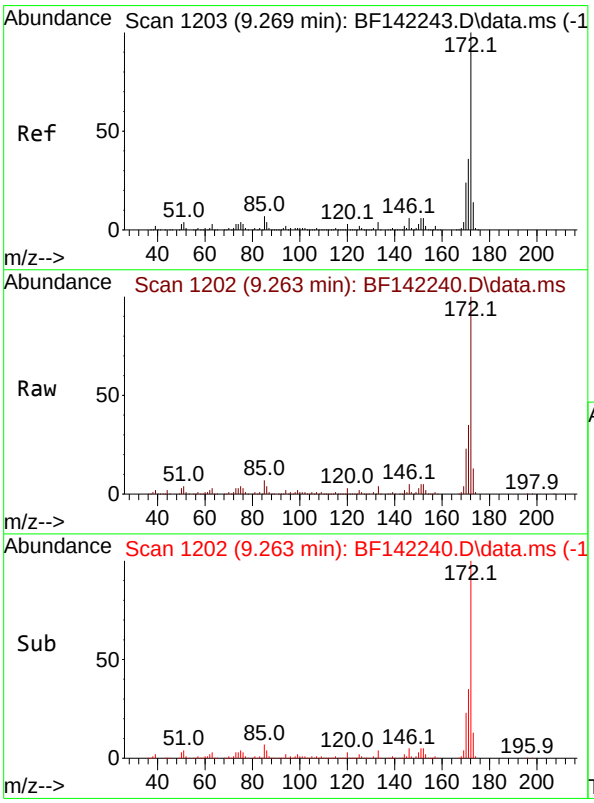
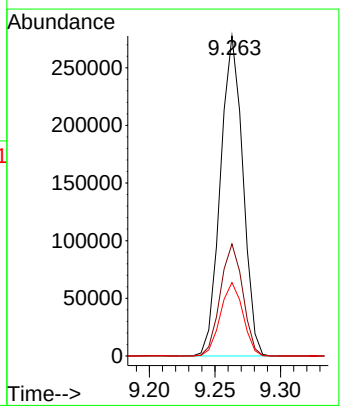
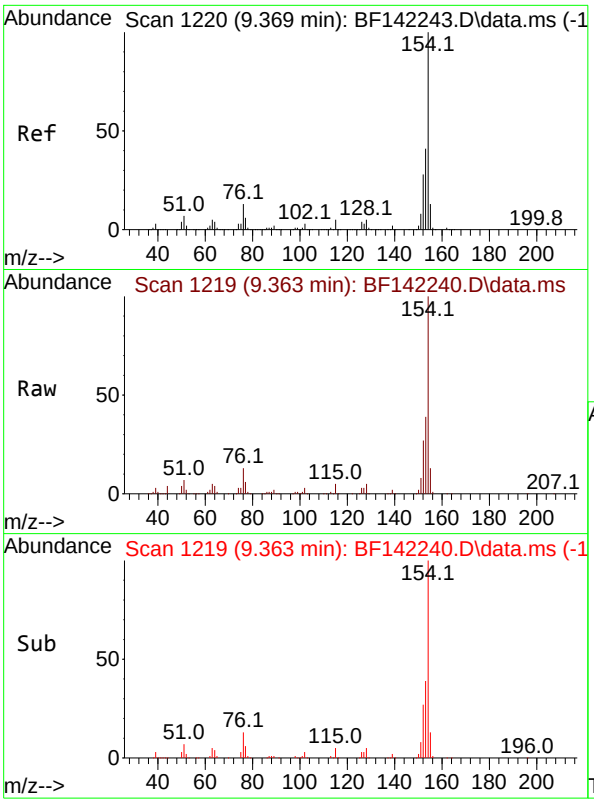


#45
2-Fluorobiphenyl
Concen: 12.256 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:172 Resp: 330323

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	22.9	19.4	29.0

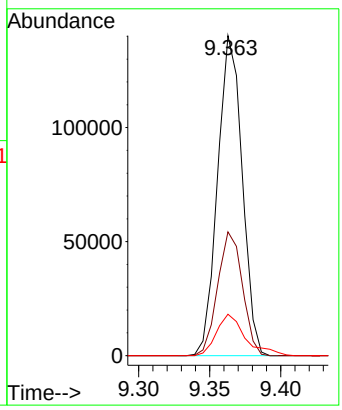




#46
1,1'-Biphenyl
Concen: 5.702 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:154 Resp: 16845

Ion	Ratio	Lower	Upper
154	100		
153	38.7	20.5	60.5
76	13.0	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
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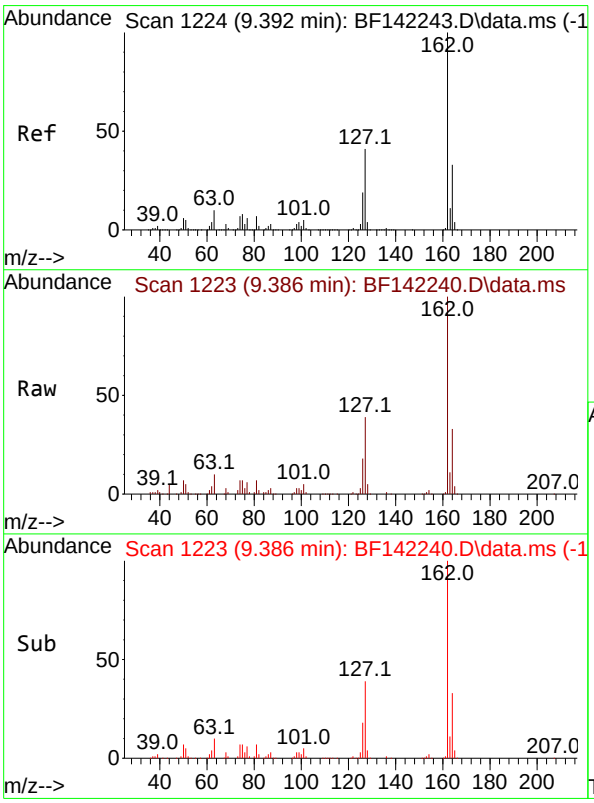
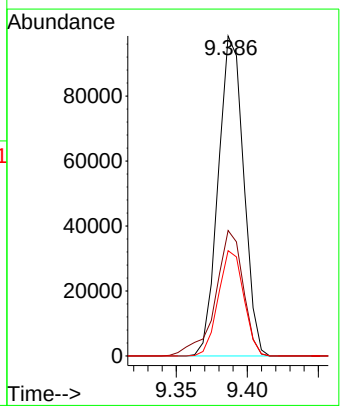
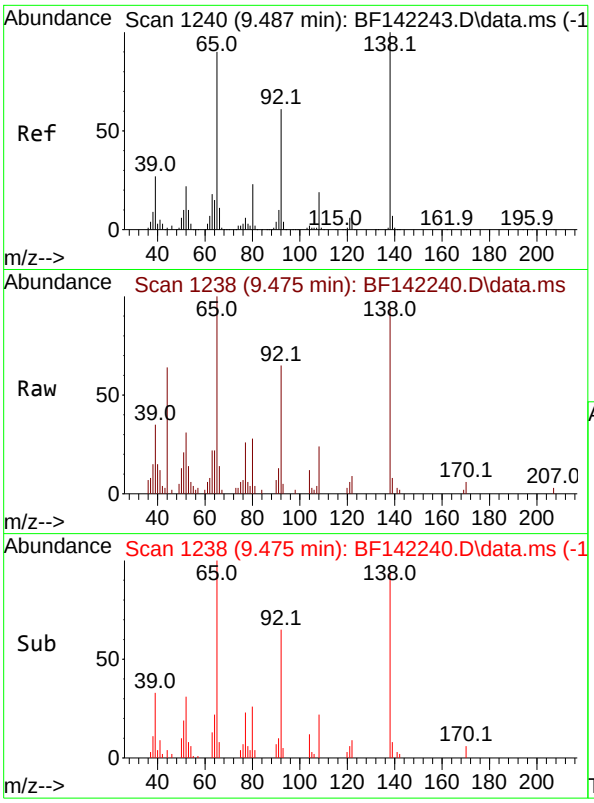


#47
2-Chloronaphthalene
Concen: 5.572 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:162 Resp: 122469

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.6	49.0
164	32.9	26.1	39.1

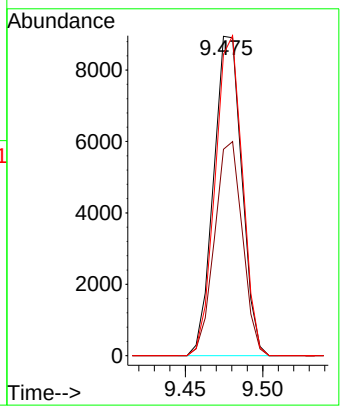




#48
2-Nitroaniline
Concen: 6.532 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 65 Resp: 1134

Ion	Ratio	Lower	Upper
65	100		
92	64.6	54.3	81.5
138	94.3	88.6	133.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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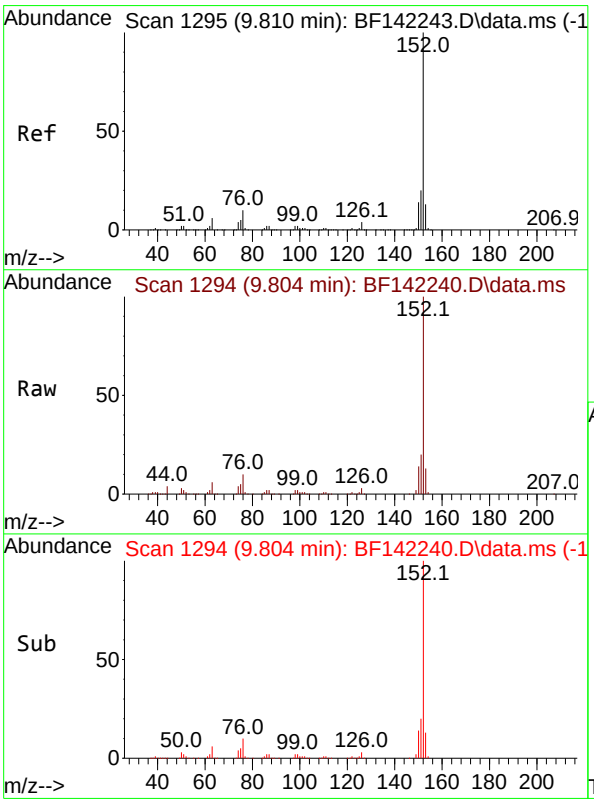
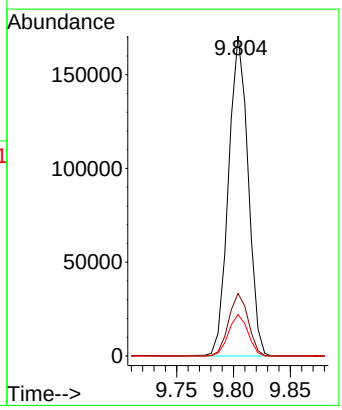
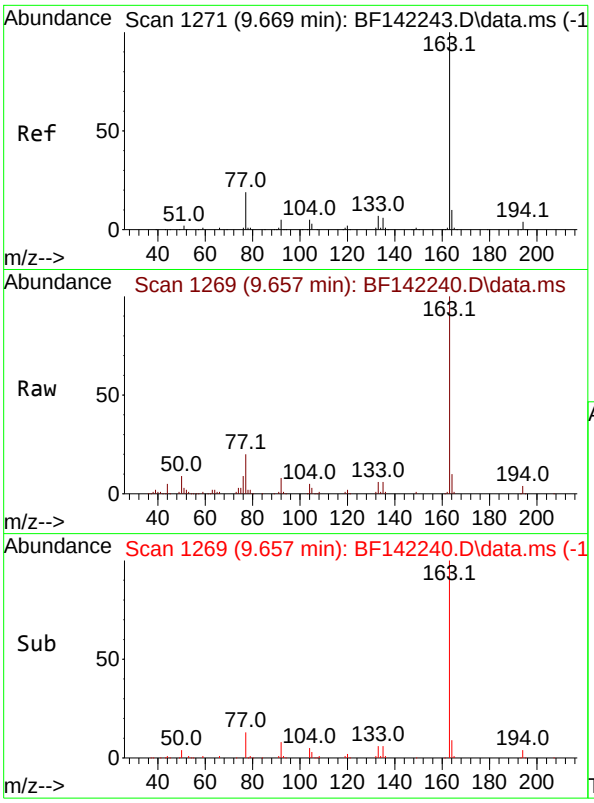


#49
Acenaphthylene
Concen: 5.504 ng
RT: 9.804 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:152 Resp: 204157

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	12.9	10.7	16.1





#50
Dimethylphthalate
Concen: 5.322 ng
RT: 9.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:163 Resp: 12937

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.1	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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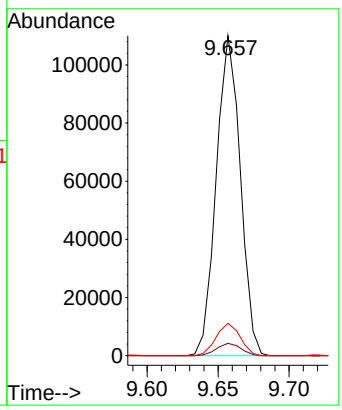
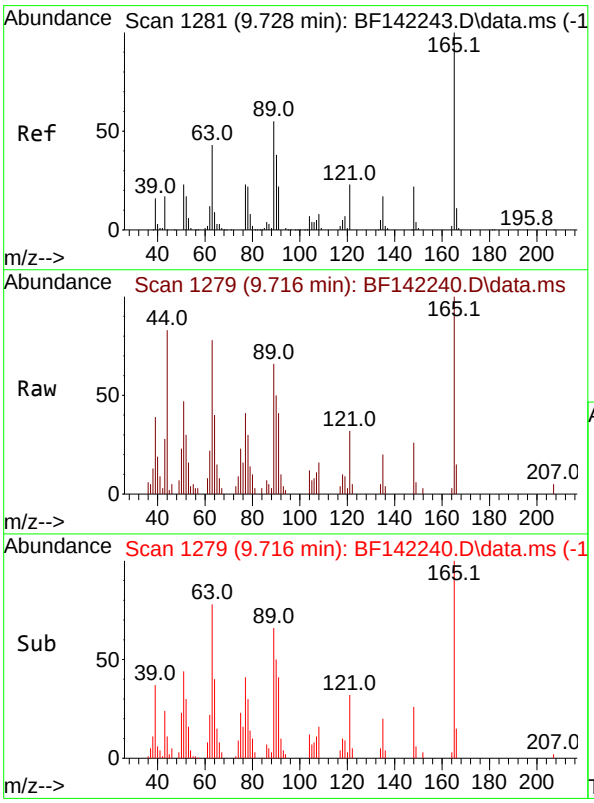
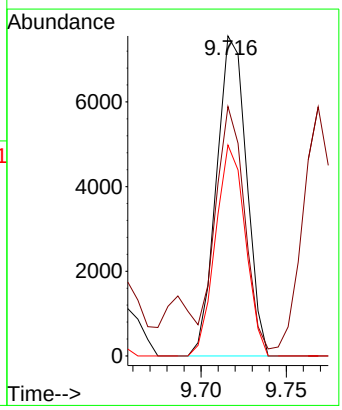


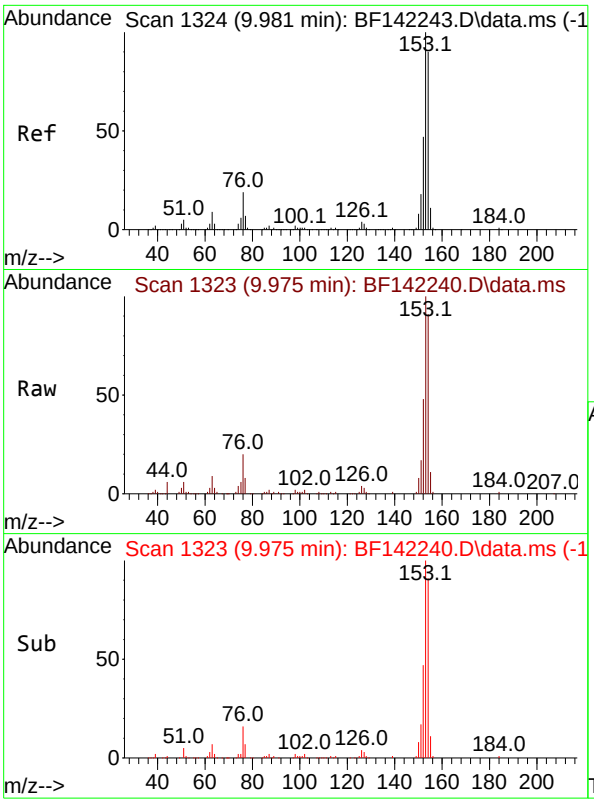


#51
2,6-Dinitrotoluene
Concen: 5.846 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:165 Resp: 9271

Ion	Ratio	Lower	Upper
165	100		
63	77.9	48.5	72.7#
89	65.9	43.9	65.9#

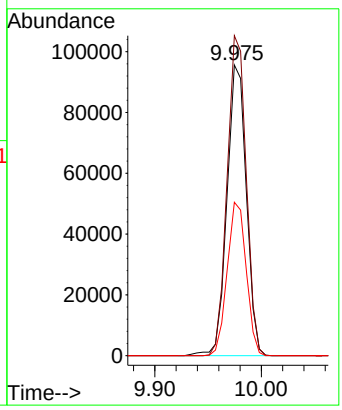




#52
Acenaphthene
Concen: 5.577 ng
RT: 9.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:154 Resp: 12077

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.6	133.0
152	52.8	42.1	63.1



Instrument :
BNA_F
ClientSampleId :
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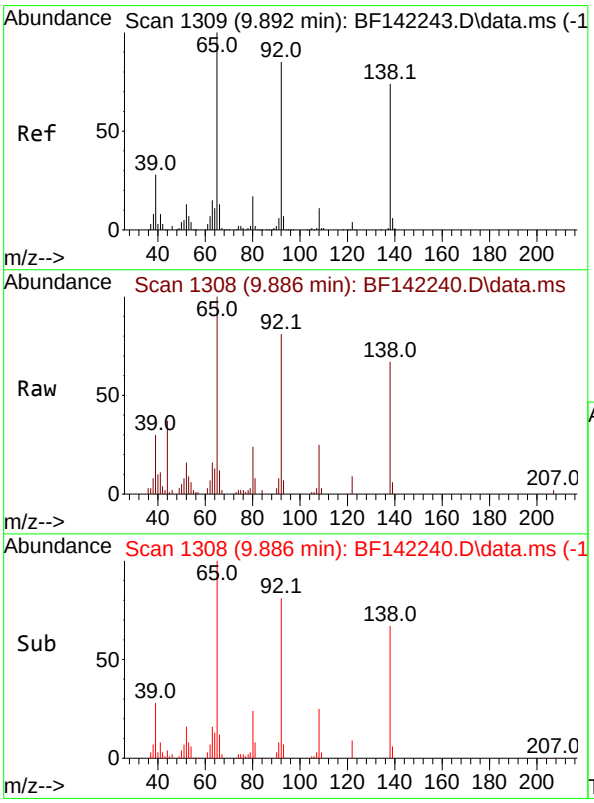
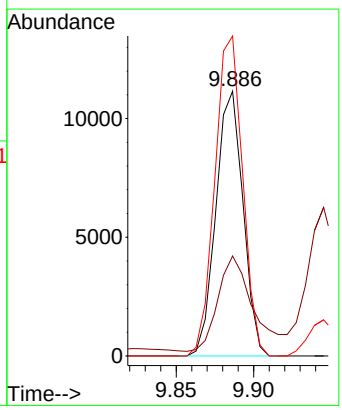
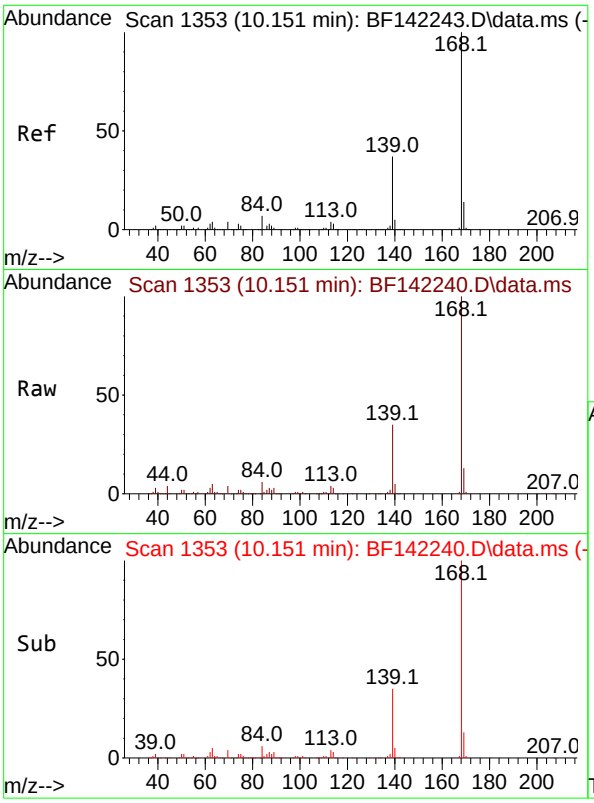


#53
3-Nitroaniline
Concen: 5.423 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:138 Resp: 13576

Ion	Ratio	Lower	Upper
138	100		
108	37.8	11.7	17.5#
92	120.9	91.2	136.8

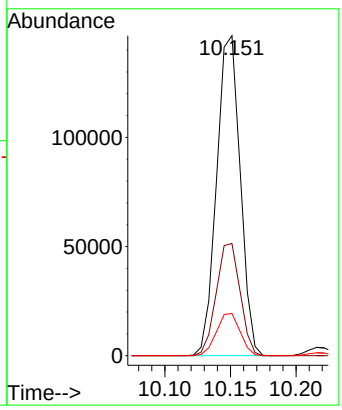




#55
Dibenzofuran
Concen: 5.649 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:168 Resp: 18340

Ion	Ratio	Lower	Upper
168	100		
139	35.1	29.4	44.0
169	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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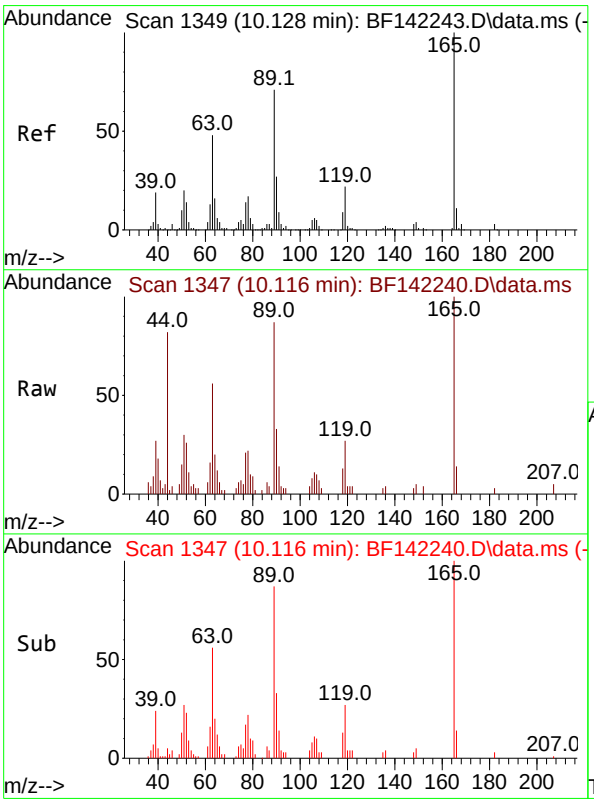
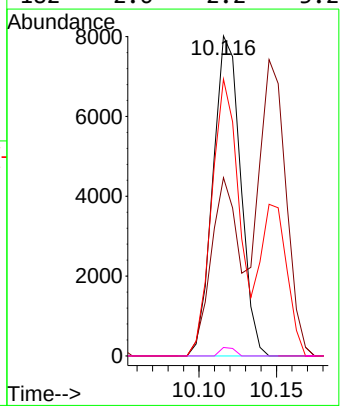
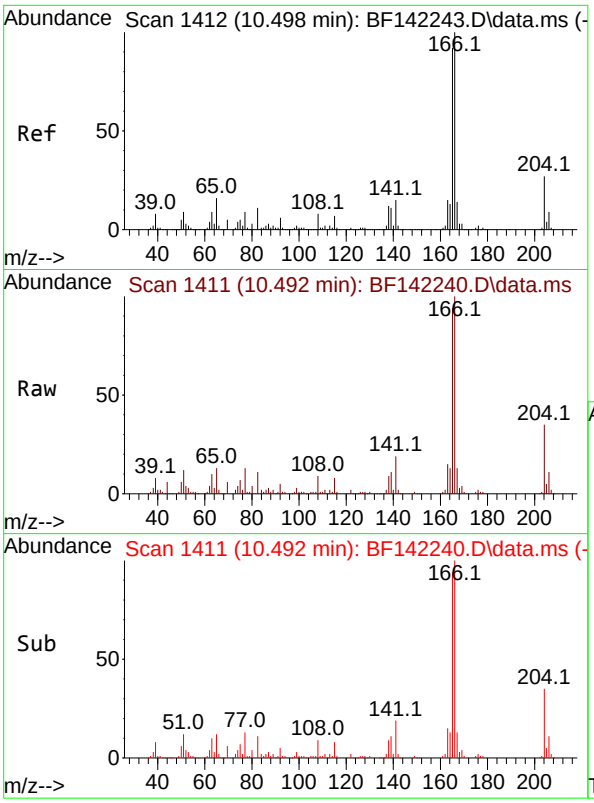


#57
2,4-Dinitrotoluene
Concen: 6.601 ng
RT: 10.116 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:165 Resp: 9928

Ion	Ratio	Lower	Upper
165	100		
63	55.7	38.8	58.2
89	86.5	57.1	85.7#
182	2.6	2.2	3.2

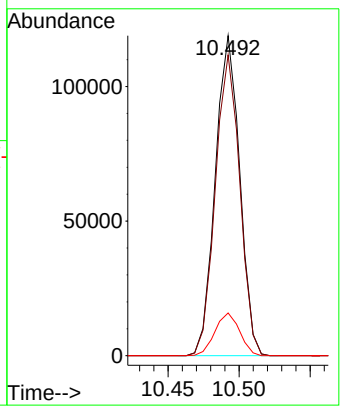




#58
Fluorene
Concen: 5.746 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:166 Resp: 14183

Ion	Ratio	Lower	Upper
166	100		
165	94.0	73.9	110.9
167	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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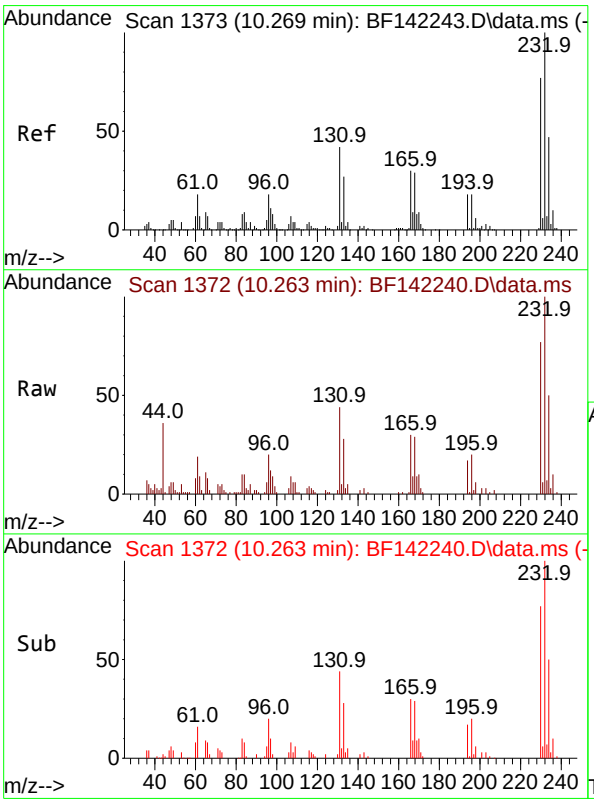
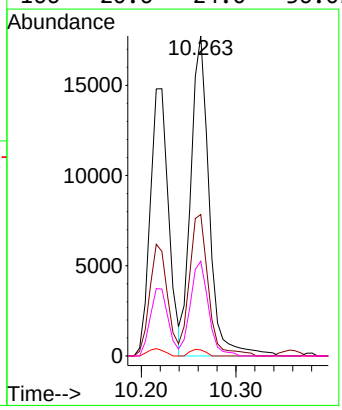
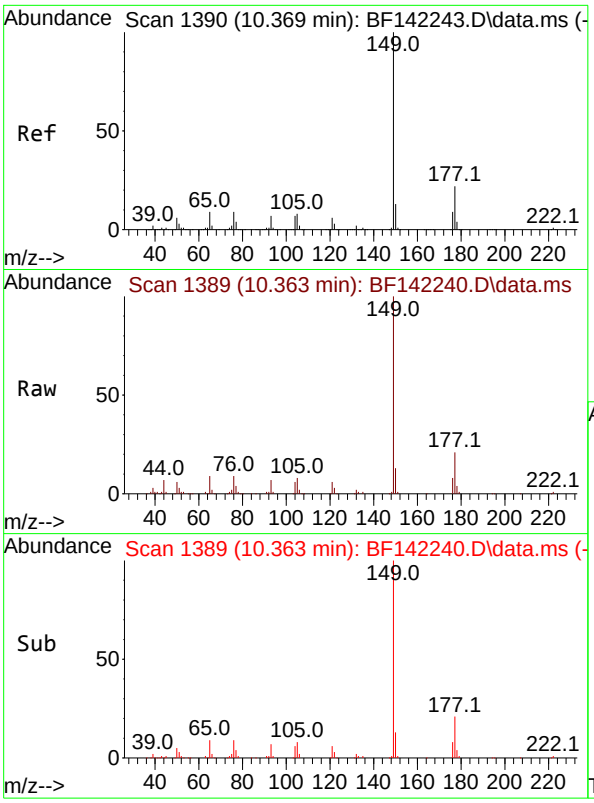


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.154 ng m
RT: 10.263 min Scan# 1372
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:232 Resp: 23974

Ion	Ratio	Lower	Upper
232	100		
131	33.9	35.9	53.9#
130	2.0	1.8	2.6
166	20.6	24.0	36.0#

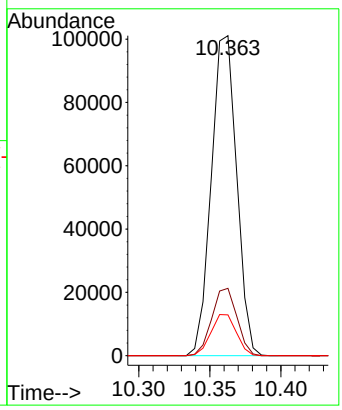




#60
Diethylphthalate
Concen: 5.238 ng
RT: 10.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:149 Resp: 12574

Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.6	26.4
150	12.8	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
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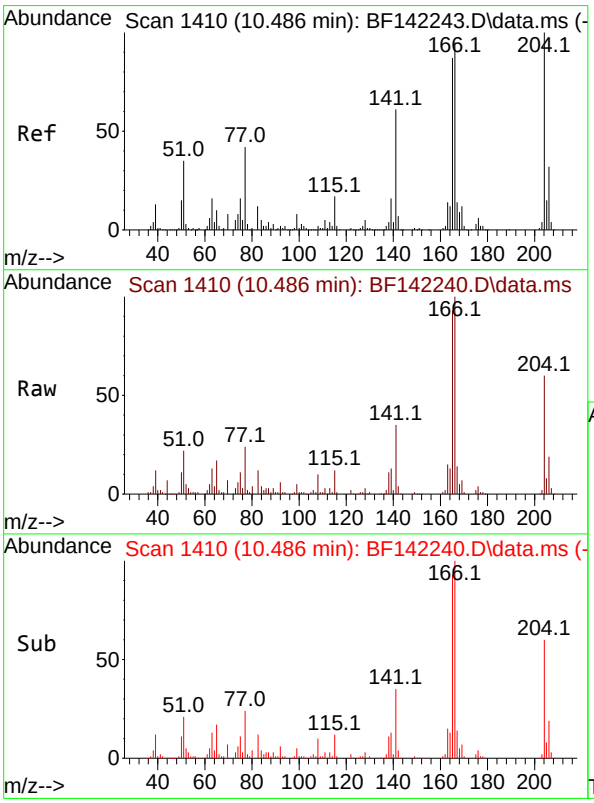
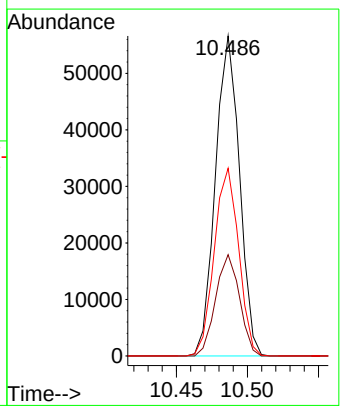
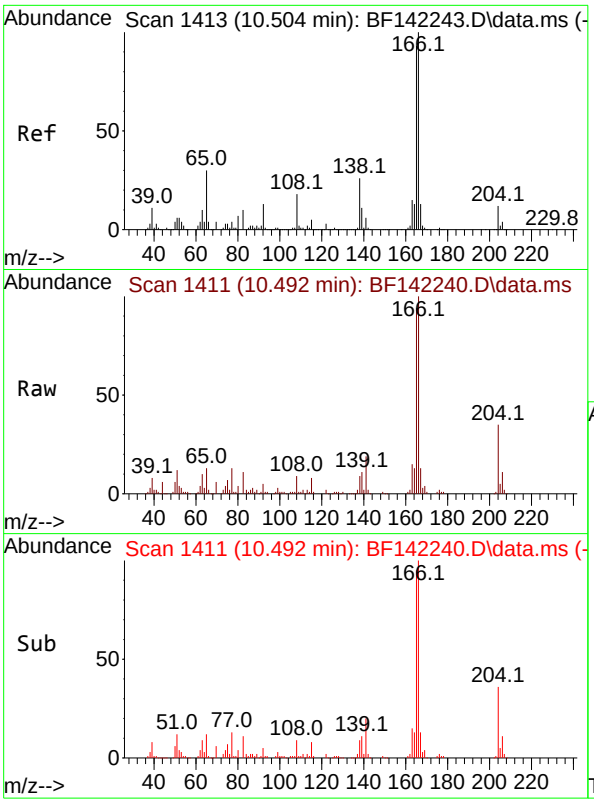


#61
4-Chlorophenyl-phenylether
Concen: 5.688 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:204 Resp: 66676

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	58.7	48.9	73.3

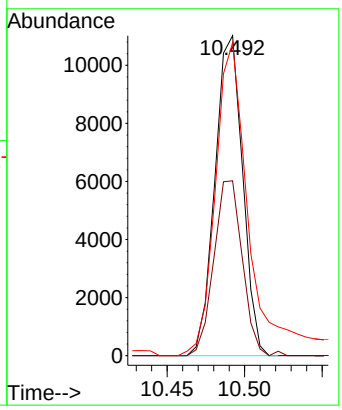




#62
4-Nitroaniline
Concen: 5.254 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:138 Resp: 1369

Ion	Ratio	Lower	Upper
138	100		
92	54.7	29.2	69.2
108	97.8	49.1	89.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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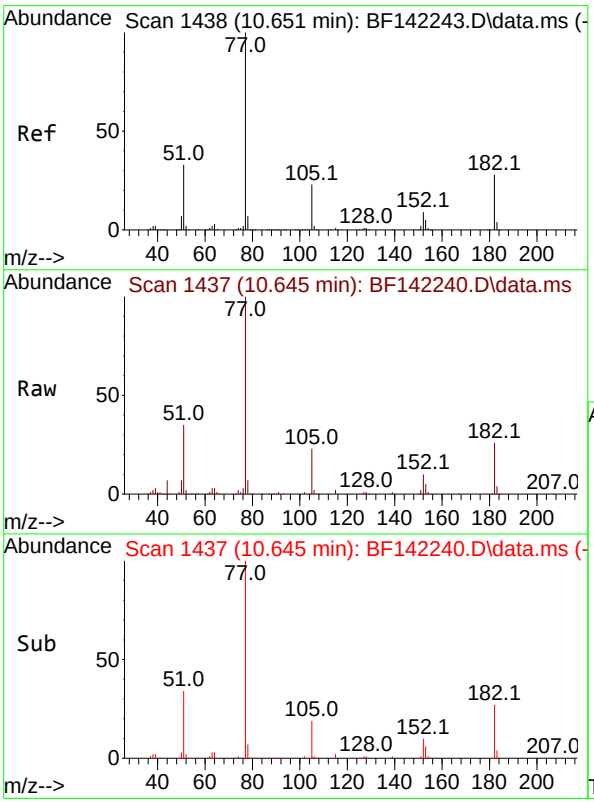
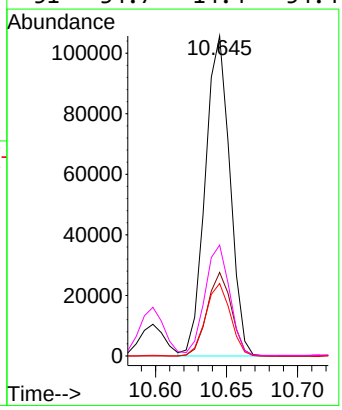
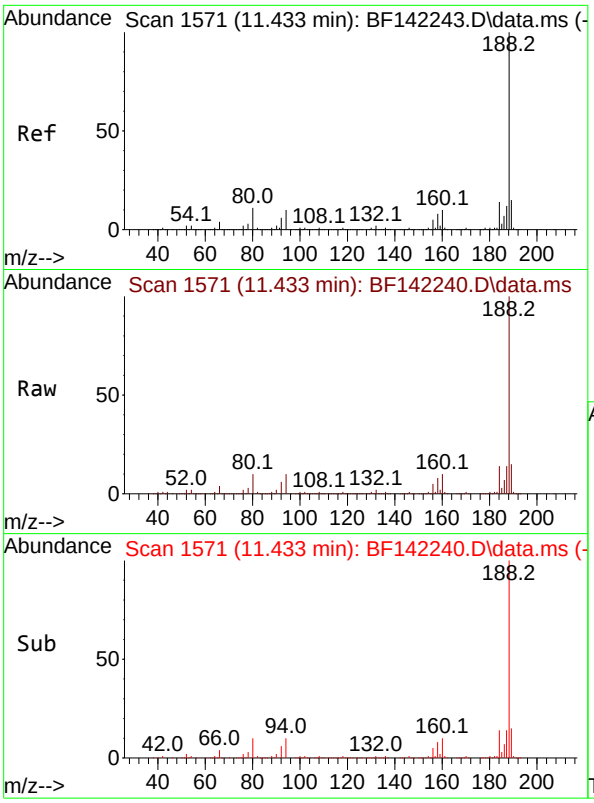


#63
Azobenzene
Concen: 5.394 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion: 77 Resp: 127873

Ion	Ratio	Lower	Upper
77	100		
182	26.1	7.3	47.3
105	22.7	2.5	42.5
51	34.7	14.4	54.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:188 Resp: 66493

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.5	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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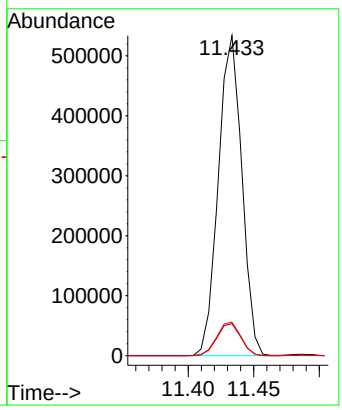
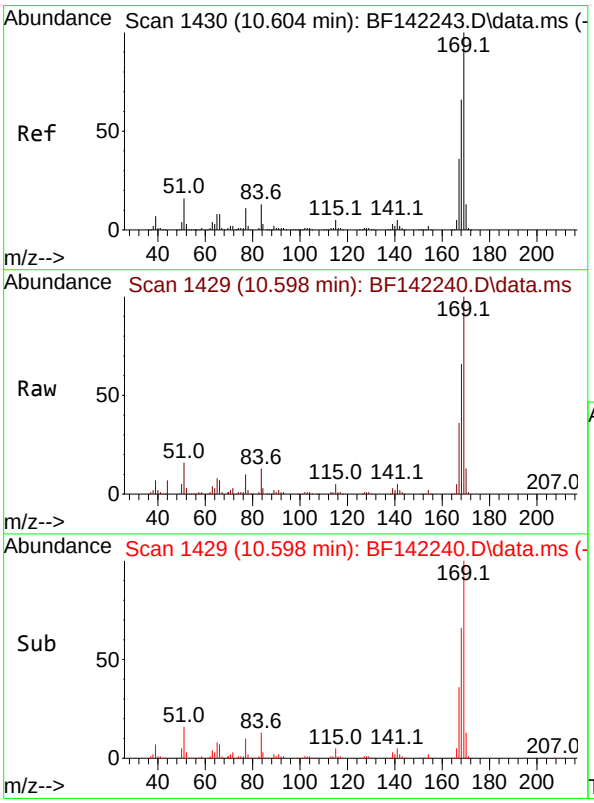
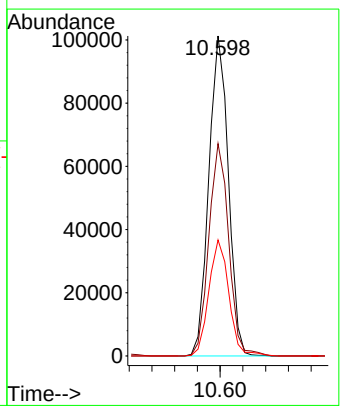


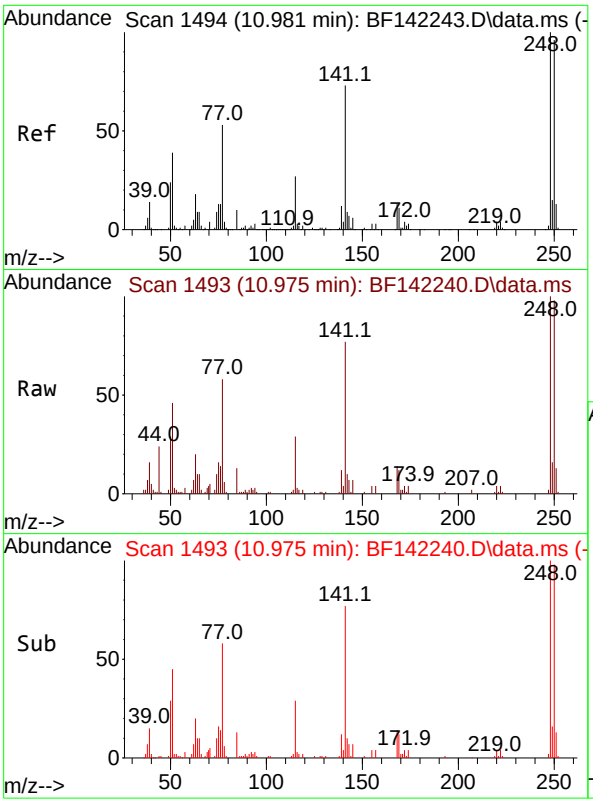


#66
n-Nitrosodiphenylamine
Concen: 5.317 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:169 Resp: 120800

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	36.3	28.8	43.2

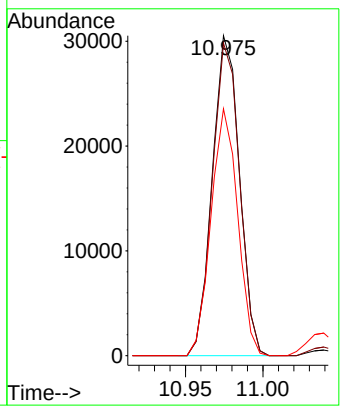




#67
4-Bromophenyl-phenylether
Concen: 5.030 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:248 Resp: 3724

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.2	115.8
141	77.2	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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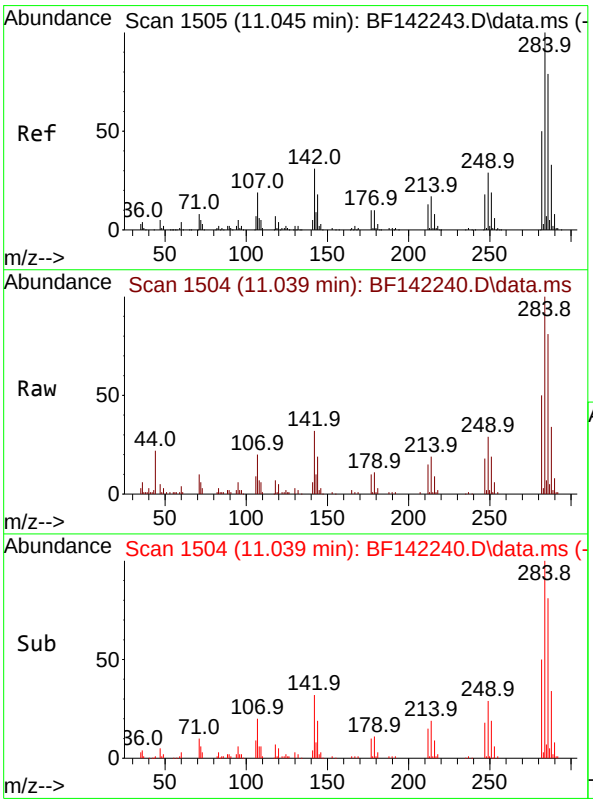
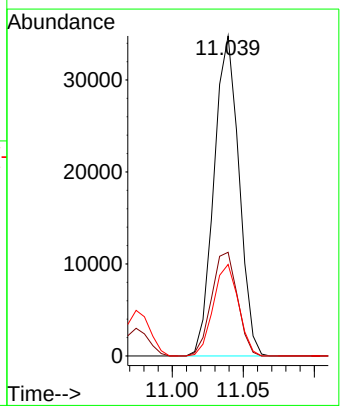
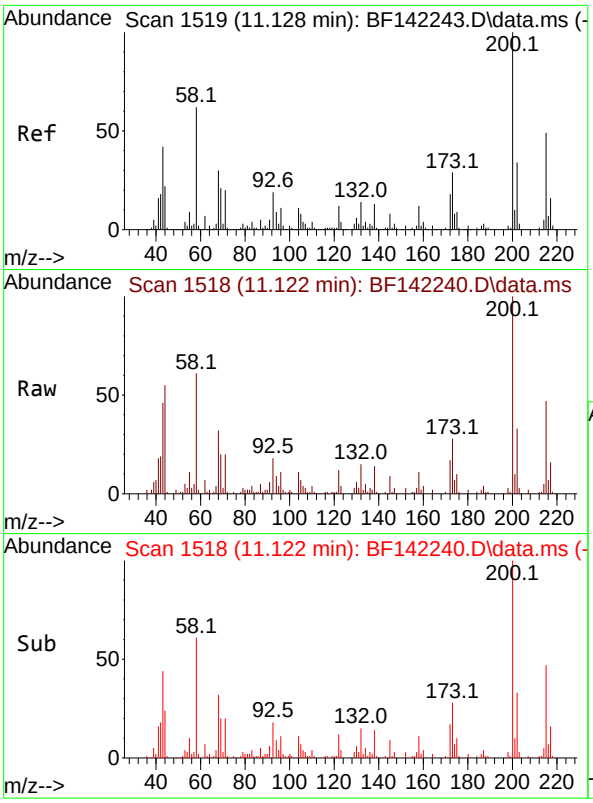


#68
Hexachlorobenzene
Concen: 5.131 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:284 Resp: 42558

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	28.6	23.2	34.8

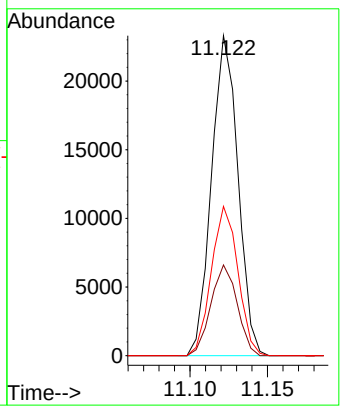




#69
Atrazine
Concen: 4.614 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:200 Resp: 2762

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	46.6	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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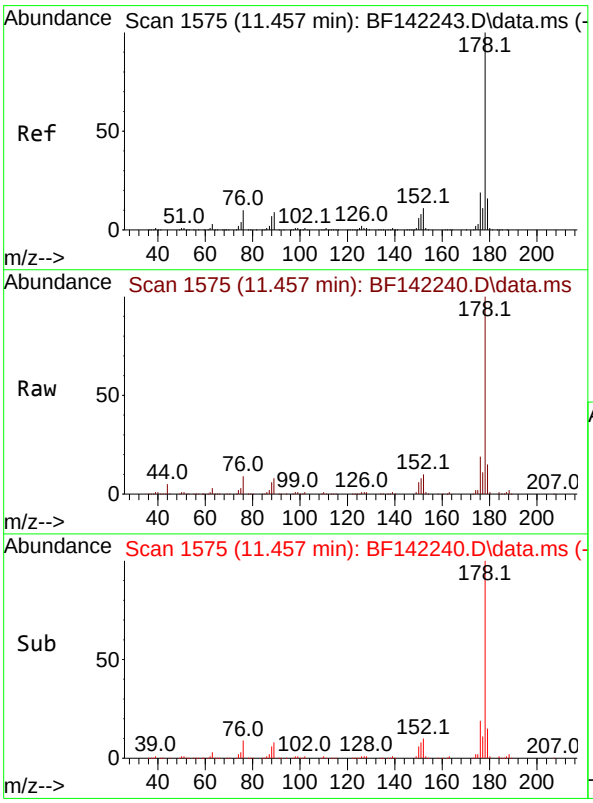
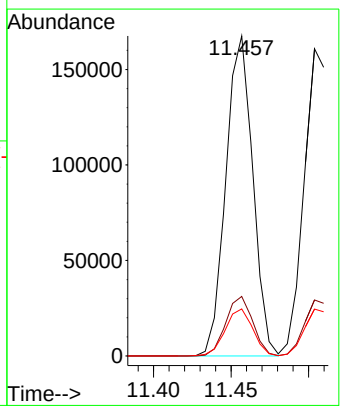
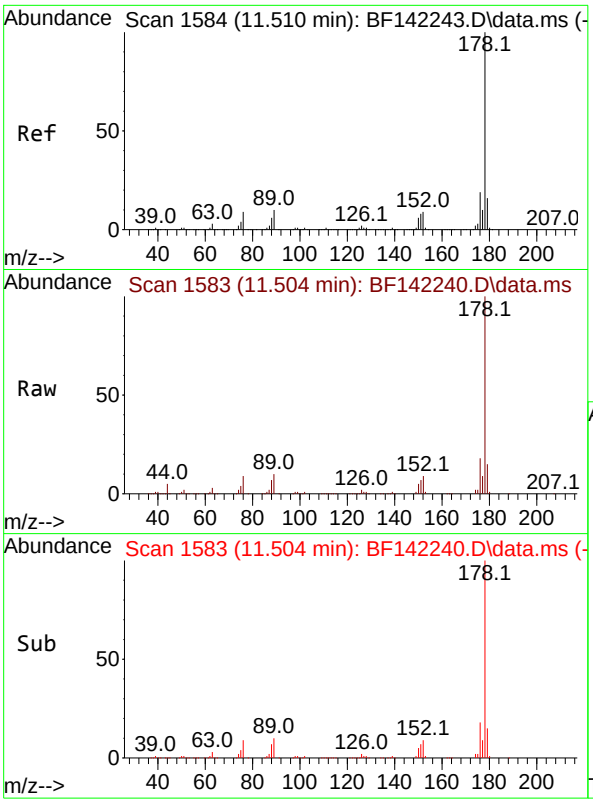


#71
Phenanthrene
Concen: 5.637 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:178 Resp: 202460

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.7	12.6	19.0

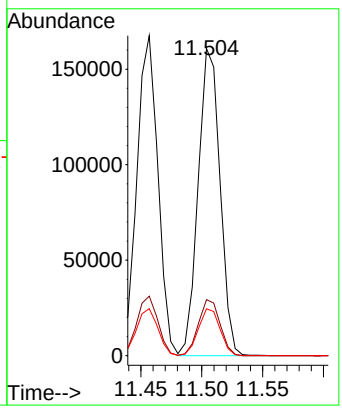




#72
Anthracene
Concen: 5.472 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:178 Resp: 20094

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.3	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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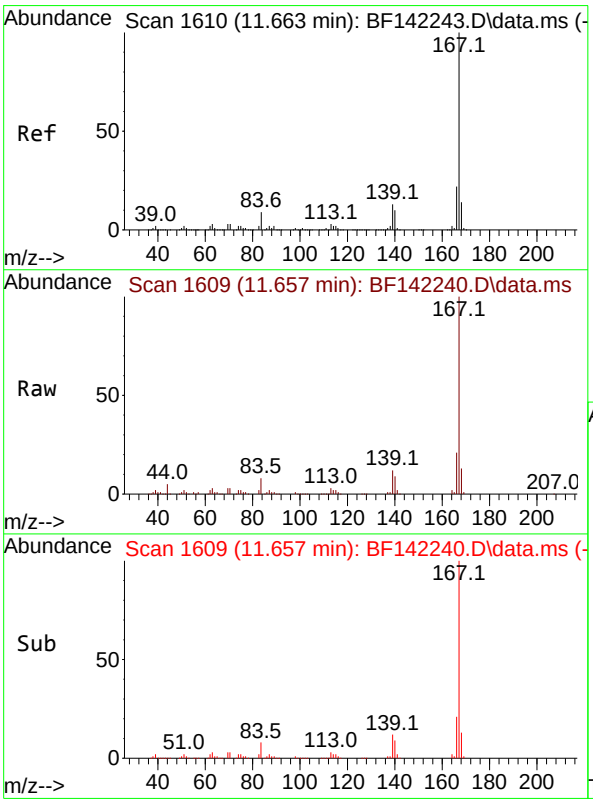
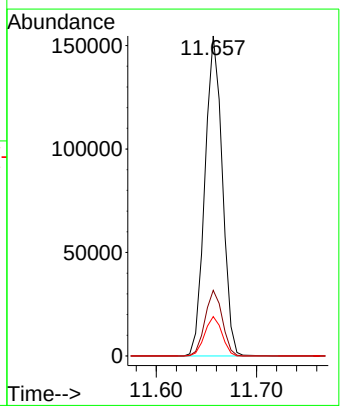
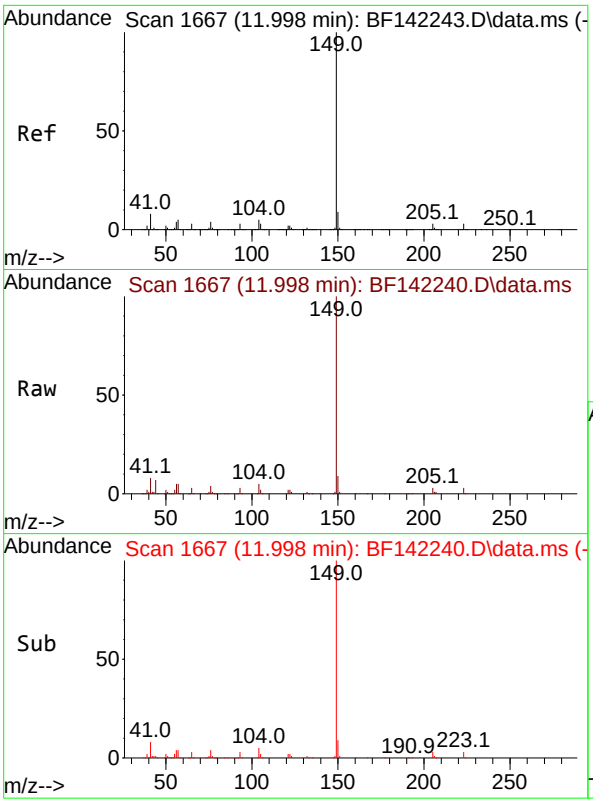


#73
Carbazole
Concen: 5.581 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:167 Resp: 186963

Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.3	25.9
139	12.3	10.3	15.5





#74
Di-n-butylphthalate
Concen: 4.864 ng
RT: 11.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:149 Resp: 16386

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.6	3.6	5.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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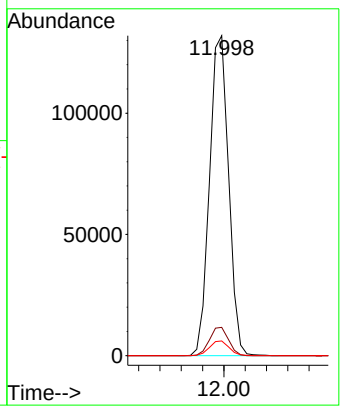
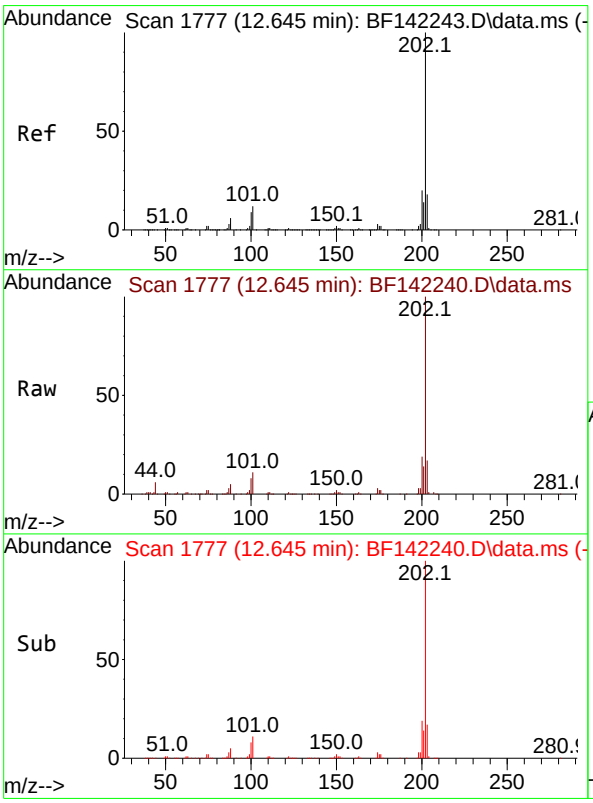
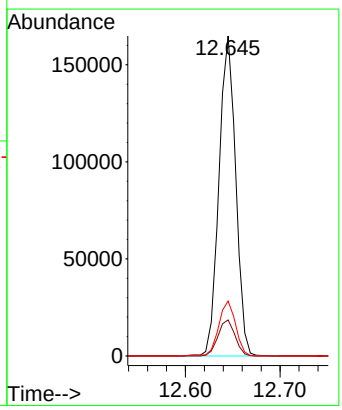


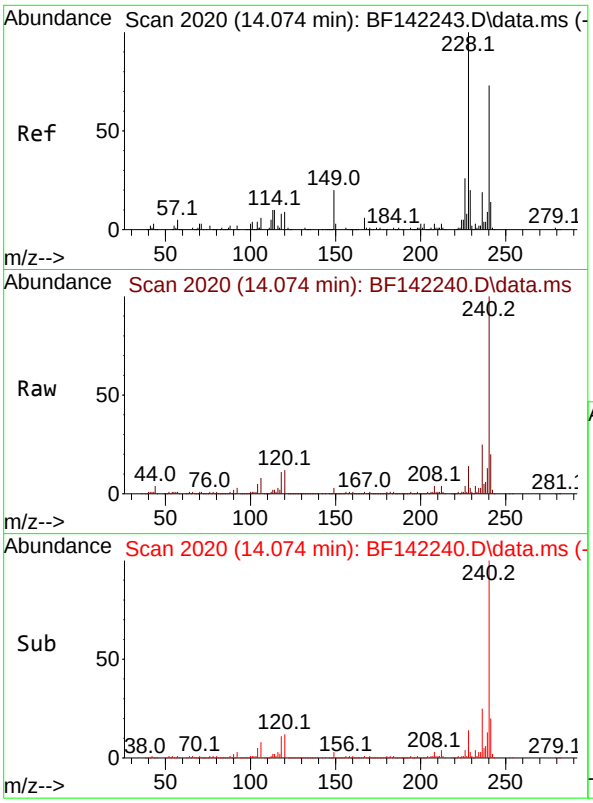


#75
Fluoranthene
Concen: 5.715 ng
RT: 12.645 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:202 Resp: 202911

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.4
203	17.2	0.0	37.5

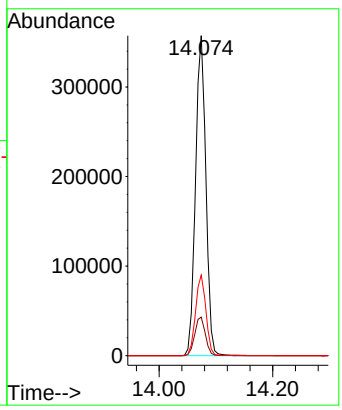




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:240 Resp: 45491

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.1	15.1
236	25.2	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
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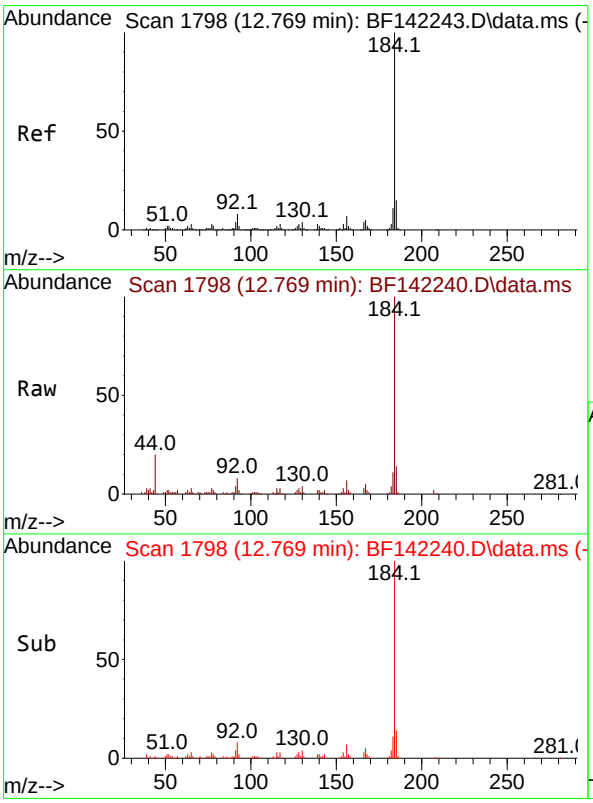
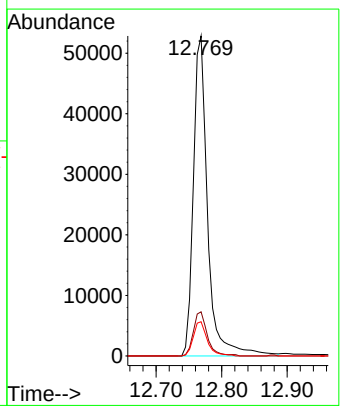
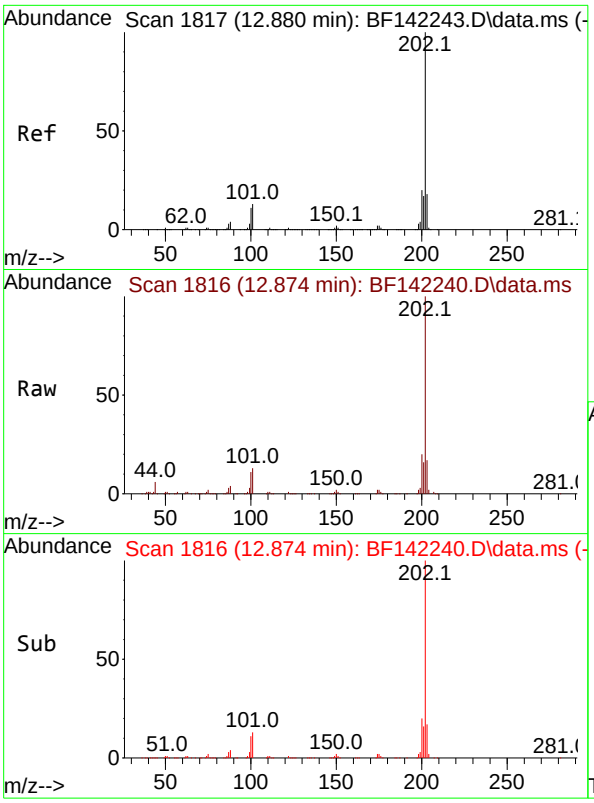


#77
Benzidine
Concen: 4.132 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:184 Resp: 79877

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.8	17.6
183	10.7	8.9	13.3





#78
Pyrene
Concen: 4.968 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:202 Resp: 20846

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.2	14.1	21.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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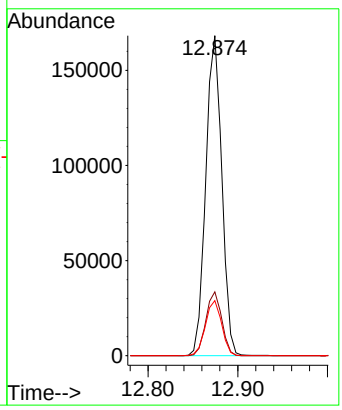
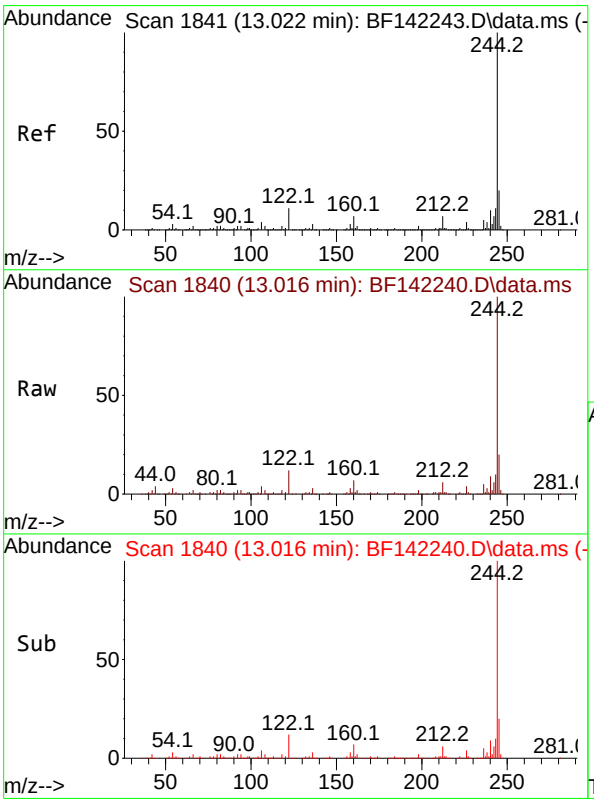
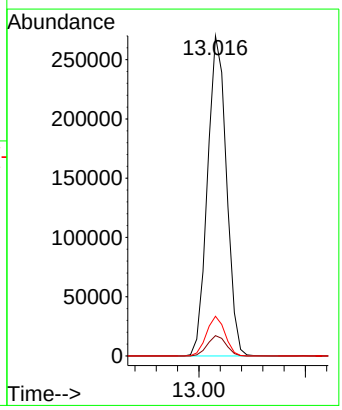


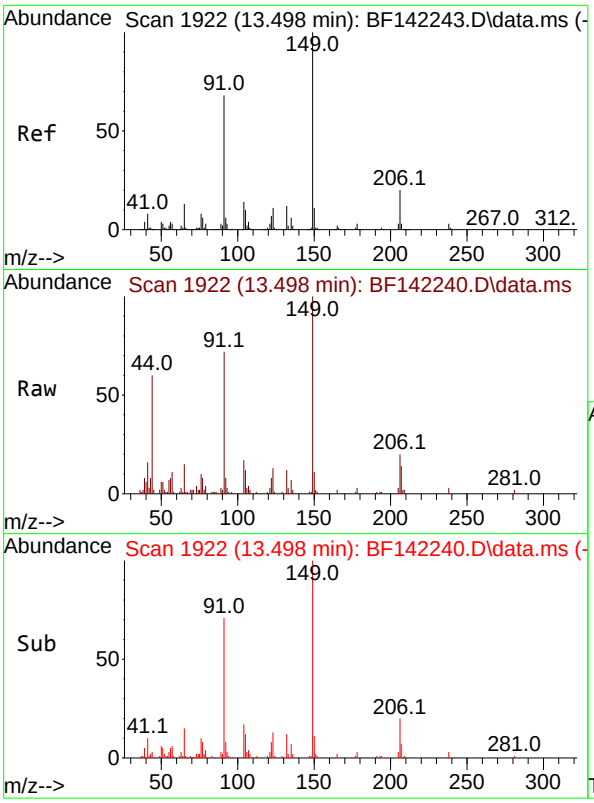


#79
Terphenyl-d14
Concen: 10.706 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:244 Resp: 334852

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	12.4	9.1	13.7





#80
Butylbenzylphthalate
Concen: 5.714 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:149 Resp: 2484

Ion	Ratio	Lower	Upper
149	100		
91	71.9	54.4	81.6
206	20.4	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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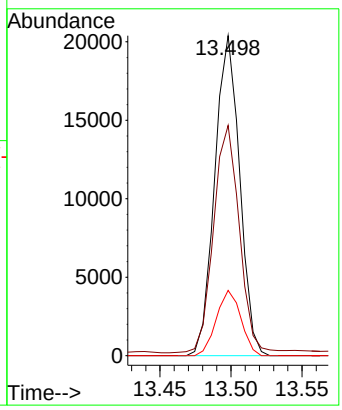
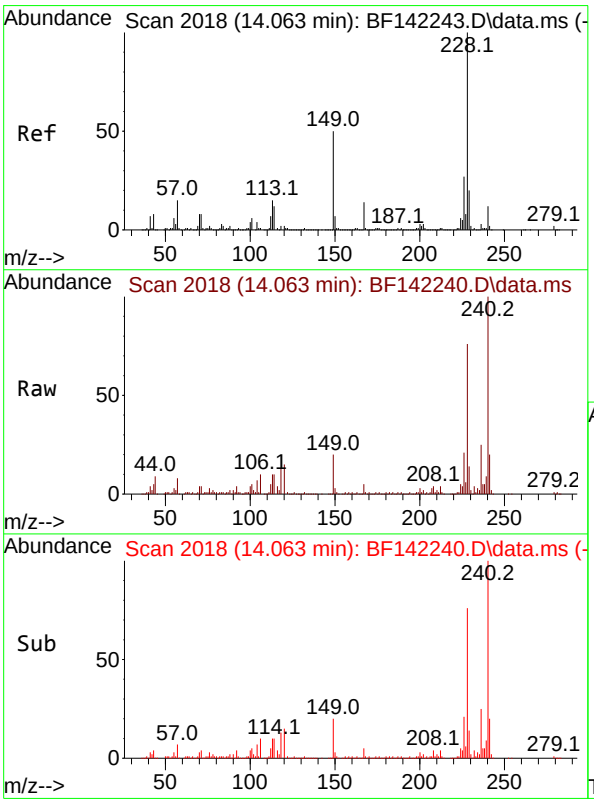
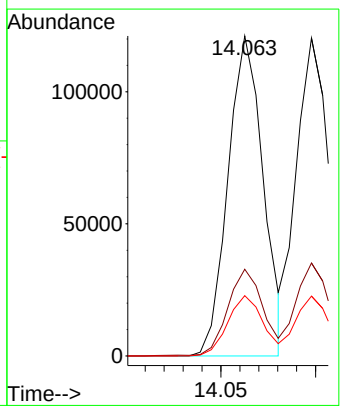


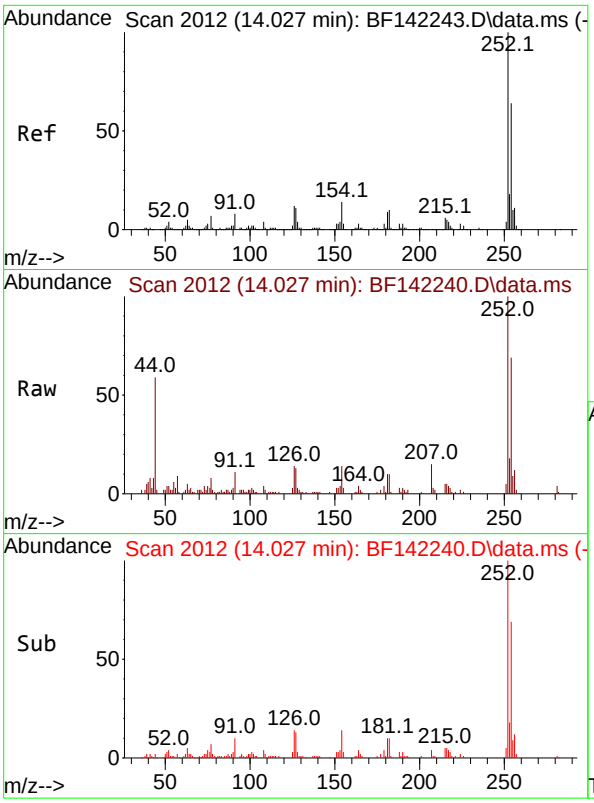


#81
Benzo(a)anthracene
Concen: 5.136 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:228 Resp: 156840

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	18.8	16.0	24.0





#82
3,3'-Dichlorobenzidine
Concen: 3.623 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

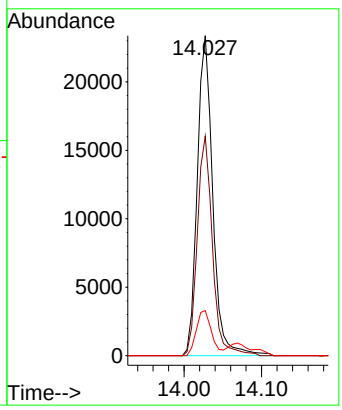
Tgt Ion:252 Resp: 3250

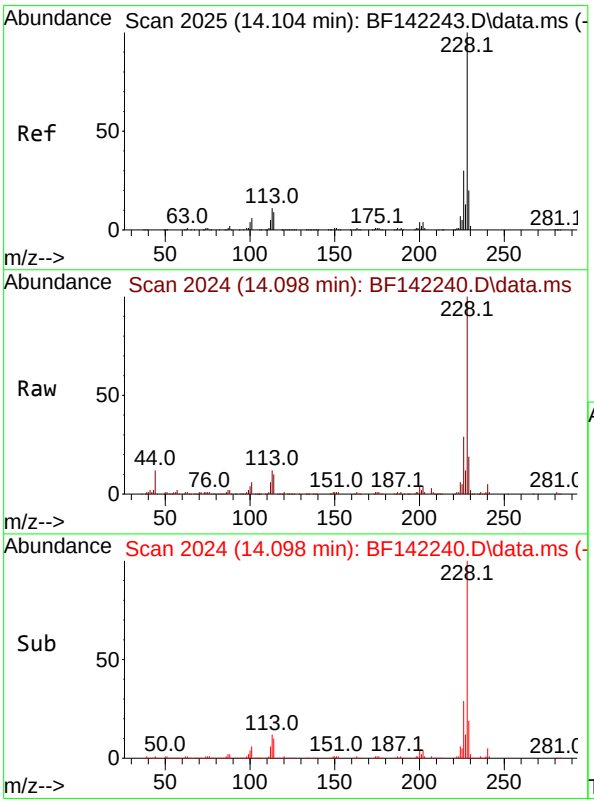
Ion	Ratio	Lower	Upper
252	100		
254	68.6	51.0	76.6
126	14.1	9.4	14.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

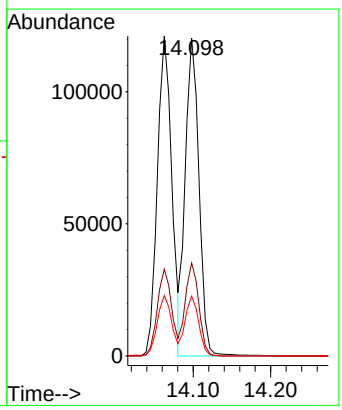


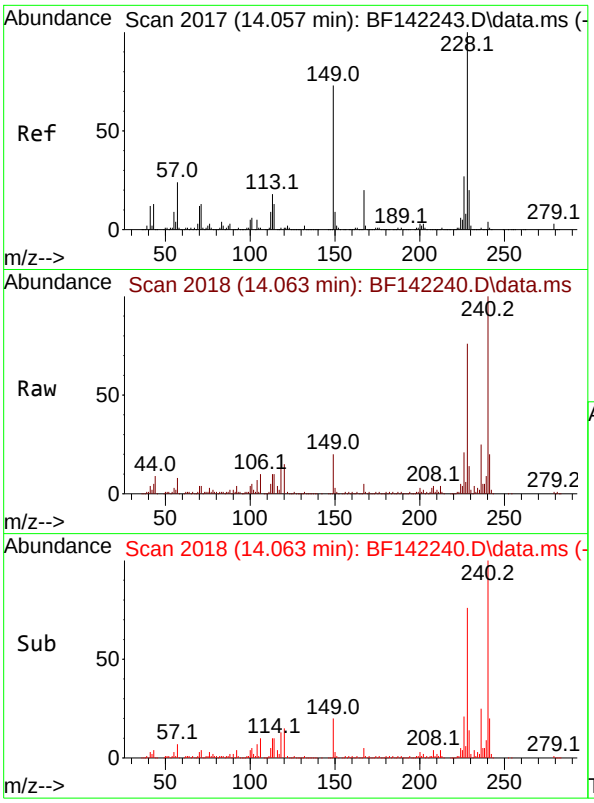


#83
Chrysene
Concen: 5.328 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:228 Resp: 148119

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	18.8	15.7	23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.006 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

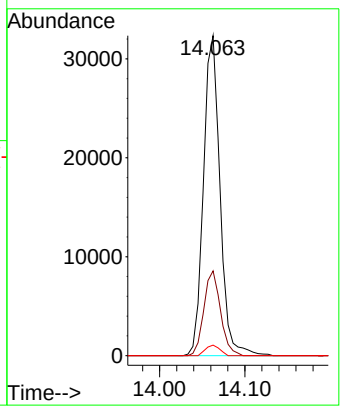
Tgt Ion:149 Resp: 4369

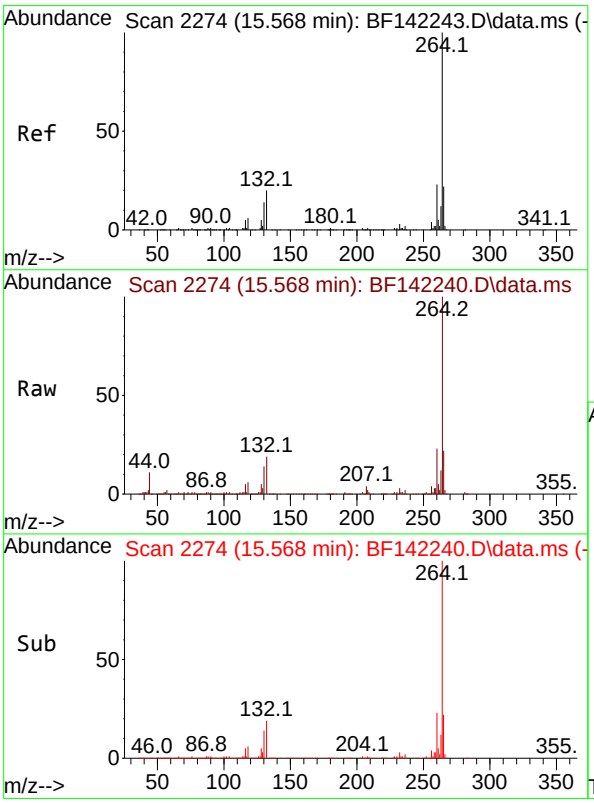
Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.7	32.5
279	3.3	3.0	4.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

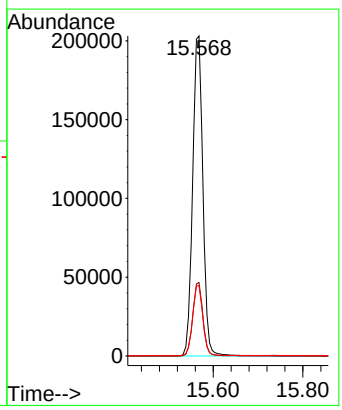


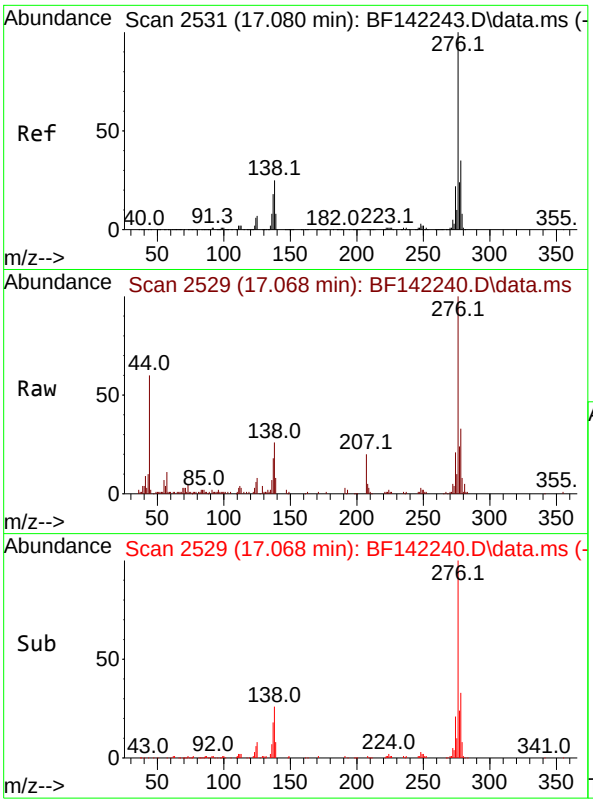


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:264 Resp: 322126

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	22.0	17.3	25.9

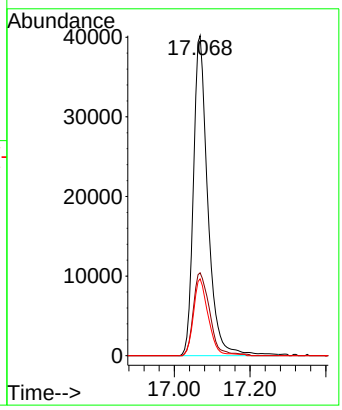




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.516 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:276 Resp: 10655

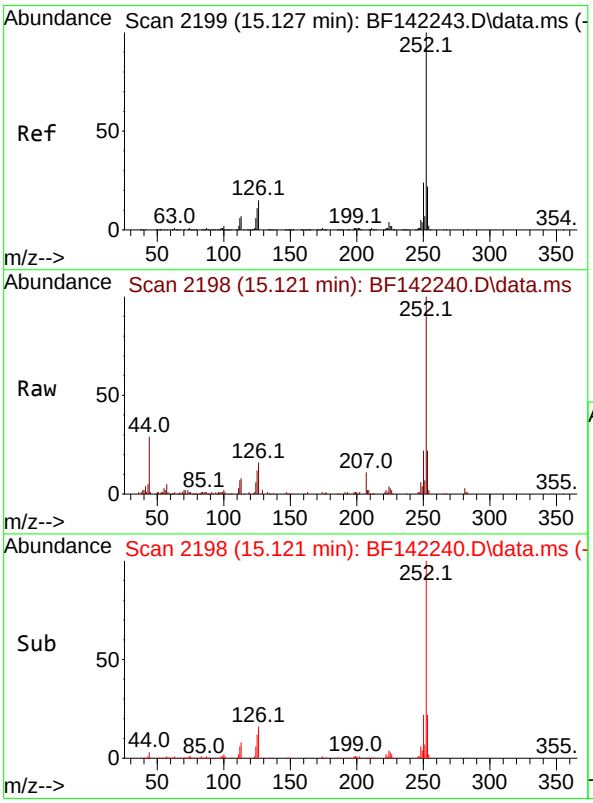
Ion	Ratio	Lower	Upper
276	100		
138	29.4	22.6	33.8
277	24.7	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

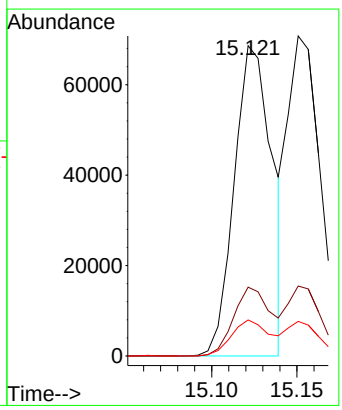
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

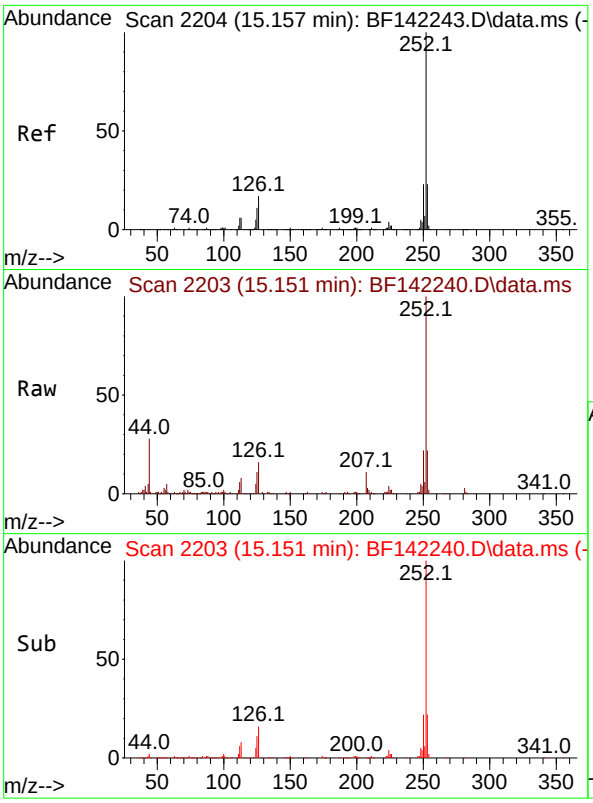


#88
Benzo(b)fluoranthene
Concen: 5.301 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:252 Resp: 106072

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.6	9.0	13.4

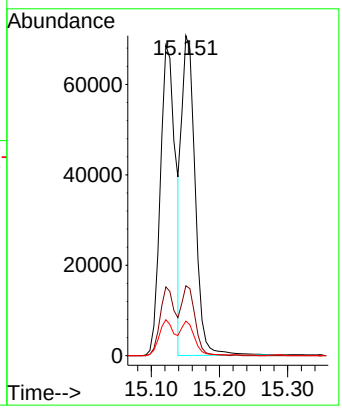




#89
Benzo(k)fluoranthene
Concen: 5.327 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:252 Resp: 9749

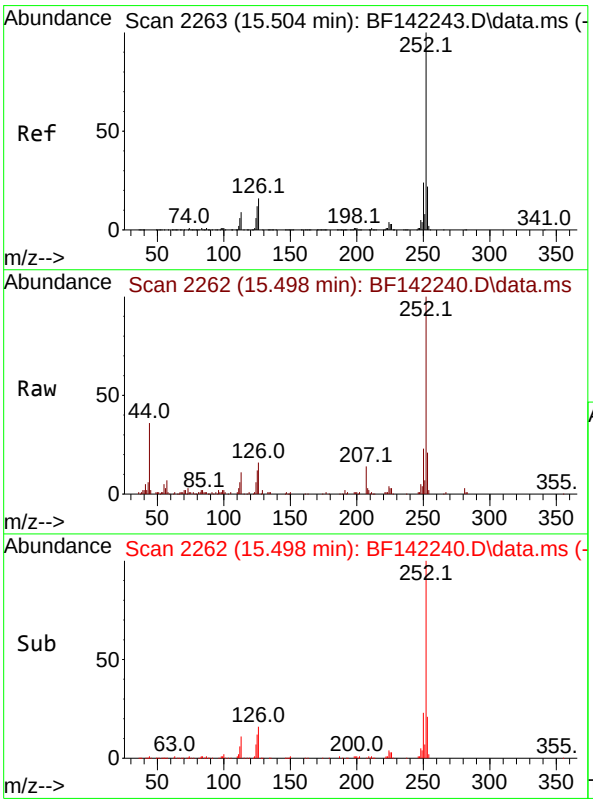
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

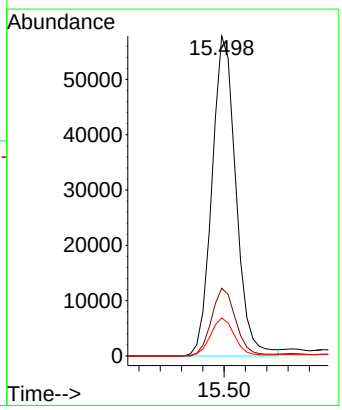
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

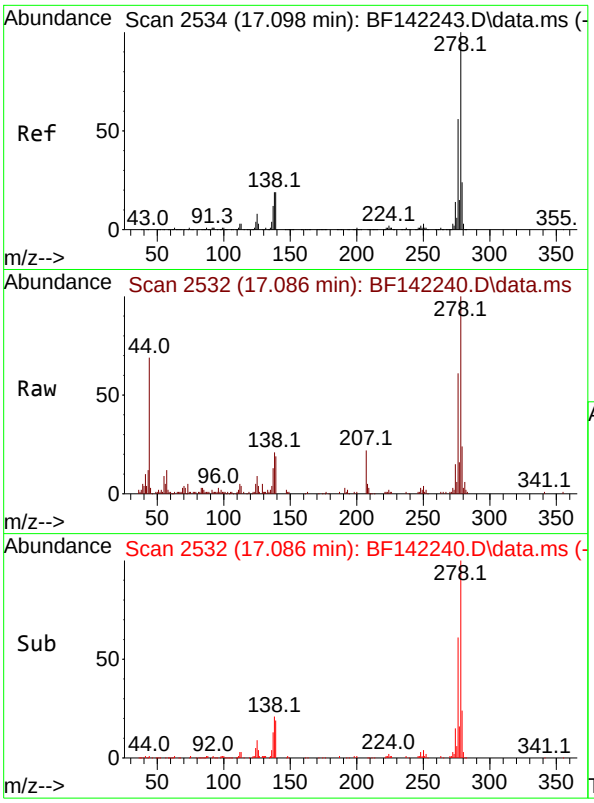


#90
Benzo(a)pyrene
Concen: 4.928 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:252 Resp: 90284

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	11.9	9.5	14.3

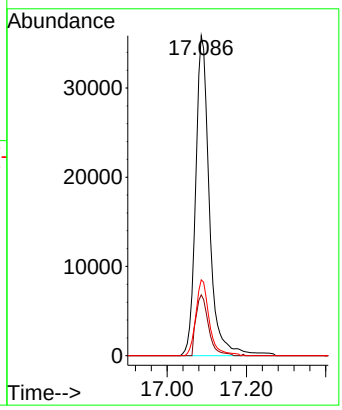




#91
Dibenzo(a,h)anthracene
Concen: 4.520 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:278 Resp: 8655

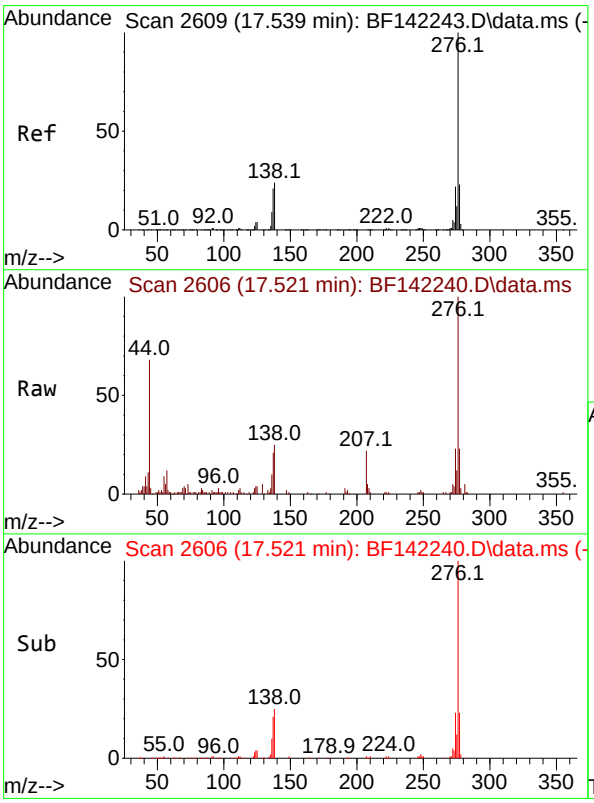
Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.2	22.8
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

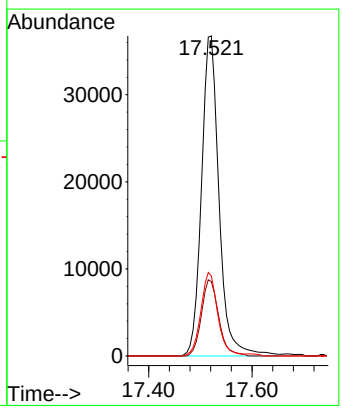
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 4.500 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142240.D
Acq: 30 Apr 2025 11:52

Tgt Ion:276 Resp: 86631

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	25.0	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142241.D
Acq On : 30 Apr 2025 12:20
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Apr 30 15:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	198828	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	764114	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	402628	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	692116	20.000	ng		0.00
76) Chrysene-d12	14.074	240	449534	20.000	ng		0.00
86) Perylene-d12	15.568	264	332067	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	246136	19.771	ng		0.00
7) Phenol-d6	6.516	99	299244	19.905	ng		-0.01
23) Nitrobenzene-d5	7.463	82	192172	16.523	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	63470	17.292	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	636078	22.275	ng		0.00
79) Terphenyl-d14	13.016	244	635233	20.552	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	53052	9.541	ng		97
3) Pyridine	3.469	79	138279	9.569	ng		99
4) n-Nitrosodimethylamine	3.399	42	69527	9.297	ng	#	98
6) Aniline	6.563	93	207232	9.739	ng		100
8) 2-Chlorophenol	6.687	128	122451	9.519	ng		98
9) Benzaldehyde	6.457	77	108198	10.297	ng		99
10) Phenol	6.528	94	157877	9.755	ng		99
11) bis(2-Chloroethyl)ether	6.634	93	124281	9.909	ng		99
12) 1,3-Dichlorobenzene	6.851	146	147587	10.141	ng		99
13) 1,4-Dichlorobenzene	6.928	146	147728	10.075	ng		99
14) 1,2-Dichlorobenzene	7.081	146	140999	10.073	ng		99
15) Benzyl Alcohol	7.039	79	101094	9.481	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	227340	10.038	ng		99
17) 2-Methylphenol	7.145	107	102299	9.707	ng		99
18) Hexachloroethane	7.422	117	46369	9.662	ng		94
19) n-Nitroso-di-n-propyla...	7.310	70	93168	10.029	ng		99
20) 3+4-Methylphenols	7.298	107	131546	9.981	ng		97
22) Acetophenone	7.310	105	184253	10.423	ng		96
24) Nitrobenzene	7.481	77	99900	8.754	ng		95
25) Isophorone	7.722	82	240659	9.859	ng		100
26) 2-Nitrophenol	7.804	139	21744	9.530	ng		98
27) 2,4-Dimethylphenol	7.834	122	121707	9.889	ng		97
28) bis(2-Chloroethoxy)met...	7.934	93	154349	10.026	ng		99
29) 2,4-Dichlorophenol	8.034	162	96761	9.404	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	115815	10.087	ng		99
31) Naphthalene	8.210	128	397159	10.422	ng		99
32) Benzoic acid	7.881	122	18272	13.045	ng		96
33) 4-Chloroaniline	8.257	127	157999	9.957	ng		99
34) Hexachlorobutadiene	8.334	225	66829	9.976	ng		98
35) Caprolactam	8.586	113	27800	8.989	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	101179	9.576	ng		99
37) 2-Methylnaphthalene	8.904	142	243429	10.390	ng		99
38) 1-Methylnaphthalene	9.004	142	250299	10.312	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	115685	10.209	ng		98
41) Hexachlorocyclopentadiene	9.057	237	53365	8.298	ng		98
43) 2,4,6-Trichlorophenol	9.175	196	66271	9.438	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142241.D
Acq On : 30 Apr 2025 12:20
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Apr 30 15:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

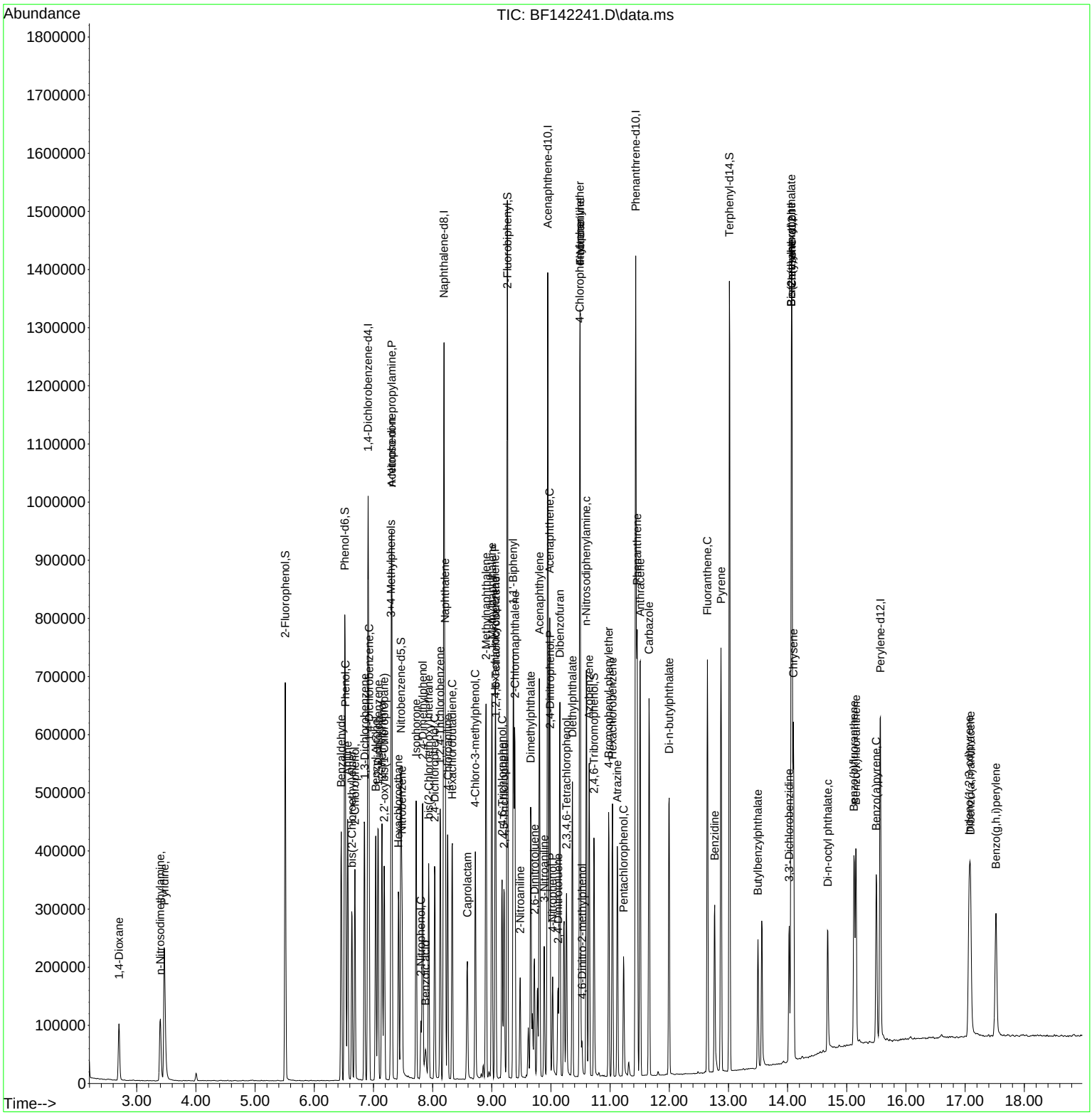
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	66509	9.009	ng		98
46) 1,1'-Biphenyl	9.363	154	326241	10.423	ng		99
47) 2-Chloronaphthalene	9.392	162	236725	10.165	ng		99
48) 2-Nitroaniline	9.480	65	31455	9.382	ng		98
49) Acenaphthylene	9.804	152	407630	10.373	ng		98
50) Dimethylphthalate	9.657	163	258512	10.036	ng		99
51) 2,6-Dinitrotoluene	9.722	165	27624	9.147	ng		91
52) Acenaphthene	9.980	154	236444	10.305	ng		99
53) 3-Nitroaniline	9.886	138	37727	9.049	ng	#	97
54) 2,4-Dinitrophenol	9.986	184	4993	11.362	ng	#	1
55) Dibenzofuran	10.151	168	357431	10.392	ng		99
56) 4-Nitrophenol	10.028	139	26399	6.520	ng		91
57) 2,4-Dinitrotoluene	10.122	165	29245	9.405	ng		94
58) Fluorene	10.492	166	282449	10.800	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	53660	8.775	ng		99
60) Diethylphthalate	10.363	149	254431	10.003	ng		98
61) 4-Chlorophenyl-phenyle...	10.486	204	129149	10.398	ng		99
62) 4-Nitroaniline	10.492	138	35703	8.911	ng		88
63) Azobenzene	10.645	77	253731	10.102	ng		99
65) 4,6-Dinitro-2-methylph...	10.527	198	7762	13.263	ng		95
66) n-Nitrosodiphenylamine	10.598	169	237471	10.042	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	75692	9.820	ng		97
68) Hexachlorobenzene	11.039	284	84881	9.832	ng		96
69) Atrazine	11.122	200	59553	9.554	ng		98
70) Pentachlorophenol	11.227	266	32058	7.029	ng		99
71) Phenanthrene	11.457	178	385677	10.316	ng		99
72) Anthracene	11.510	178	401700	10.509	ng		98
73) Carbazole	11.657	167	362249	10.389	ng		98
74) Di-n-butylphthalate	11.998	149	348111	9.927	ng		99
75) Fluoranthene	12.645	202	395757	10.709	ng		99
77) Benzidine	12.769	184	168038	8.797	ng		99
78) Pyrene	12.874	202	404860	9.763	ng		100
80) Butylbenzylphthalate	13.498	149	65964	9.084	ng		98
81) Benzo(a)anthracene	14.063	228	296710	9.832	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	71321	8.046	ng		98
83) Chrysene	14.098	228	271875	9.897	ng		100
84) Bis(2-ethylhexyl)phtha...	14.063	149	100777	9.409	ng		99
85) Di-n-octyl phthalate	14.680	149	150072	10.622	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	229818	9.449	ng		100
88) Benzo(b)fluoranthene	15.121	252	202615	9.823	ng		99
89) Benzo(k)fluoranthene	15.157	252	192500	10.203	ng		98
90) Benzo(a)pyrene	15.498	252	182258	9.651	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	187788	9.513	ng		99
92) Benzo(g,h,i)perylene	17.521	276	188891	9.518	ng		99

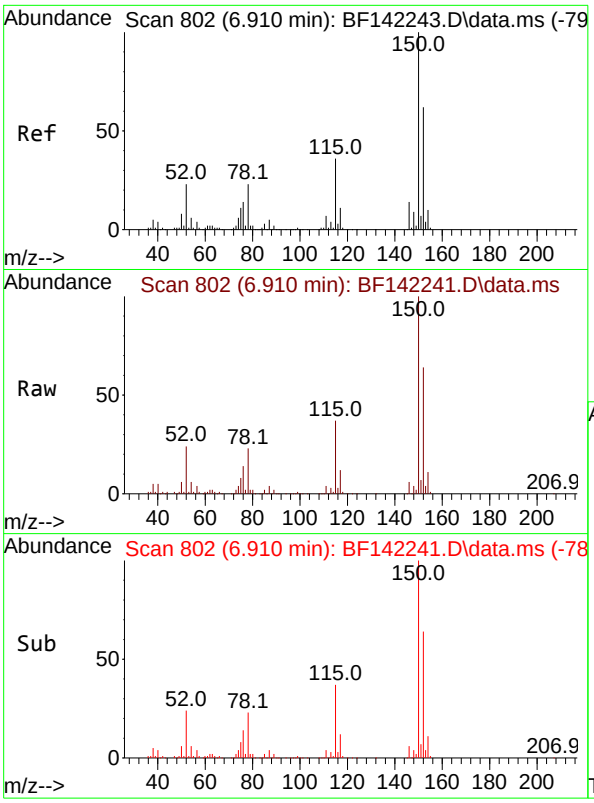
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142241.D
Acq On : 30 Apr 2025 12:20
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Apr 30 15:41:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration



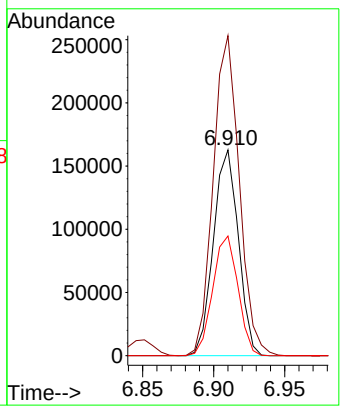


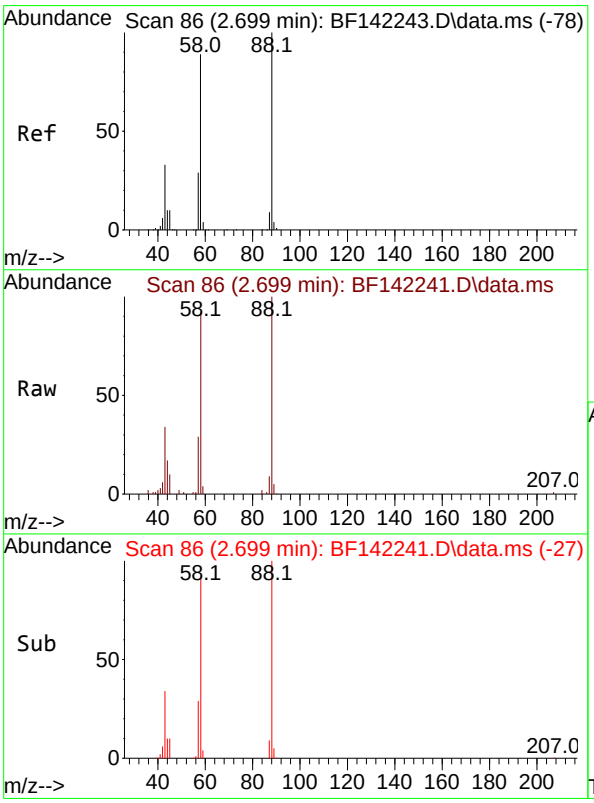
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 198828

Ion	Ratio	Lower	Upper
152	100		
150	155.6	130.2	195.2
115	58.2	47.0	70.4

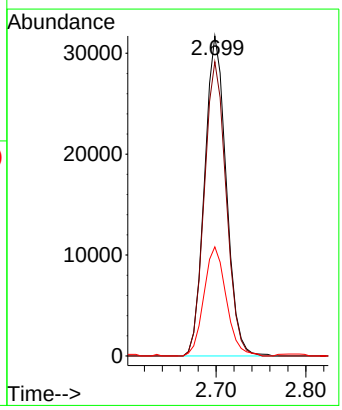


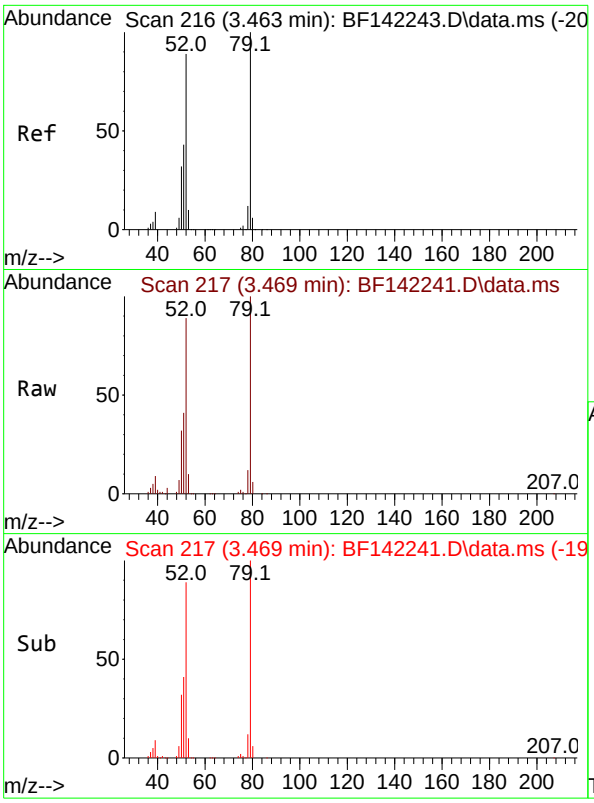


#2
1,4-Dioxane
Concen: 9.541 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 88 Resp: 53052

Ion	Ratio	Lower	Upper
88	100		
58	92.8	72.2	108.2
43	35.3	27.0	40.6



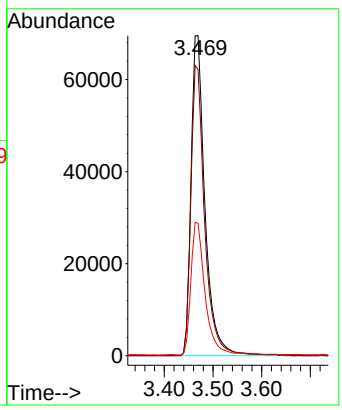


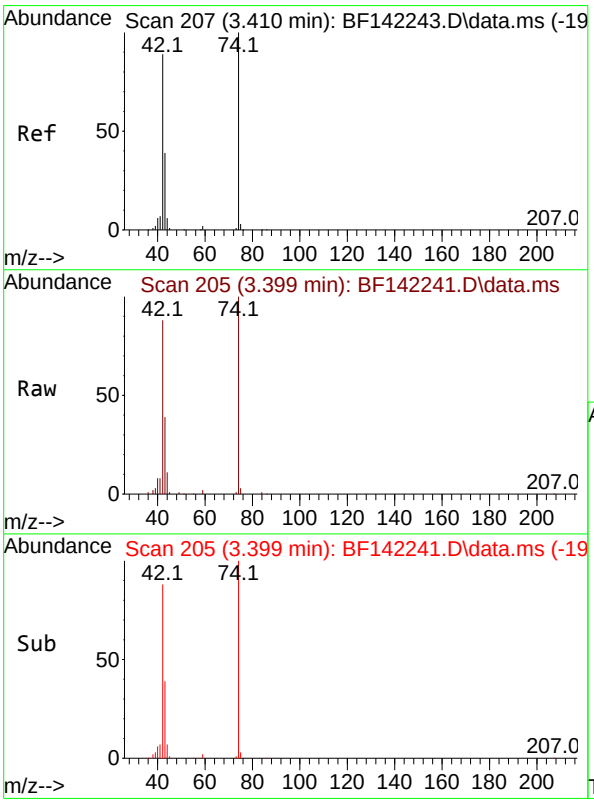
#3
Pyridine
Concen: 9.569 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 138279

Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.5	107.3
51	41.3	34.5	51.7

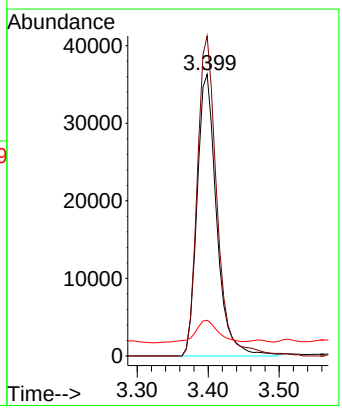


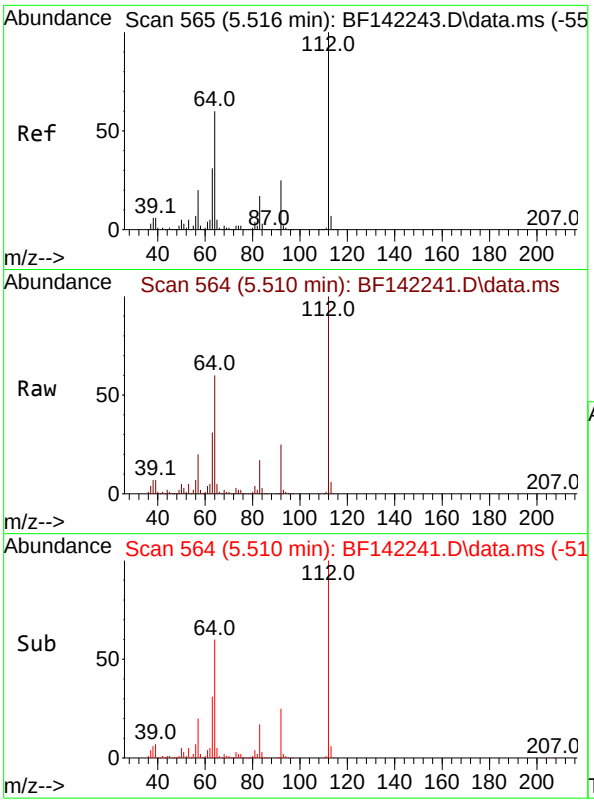


#4
n-Nitrosodimethylamine
Concen: 9.297 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 42 Resp: 69527

Ion	Ratio	Lower	Upper
42	100		
74	113.7	89.5	134.3
44	12.7	6.6	9.8#



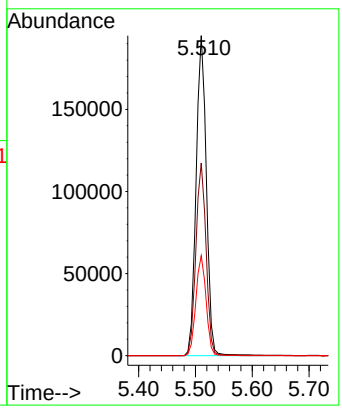


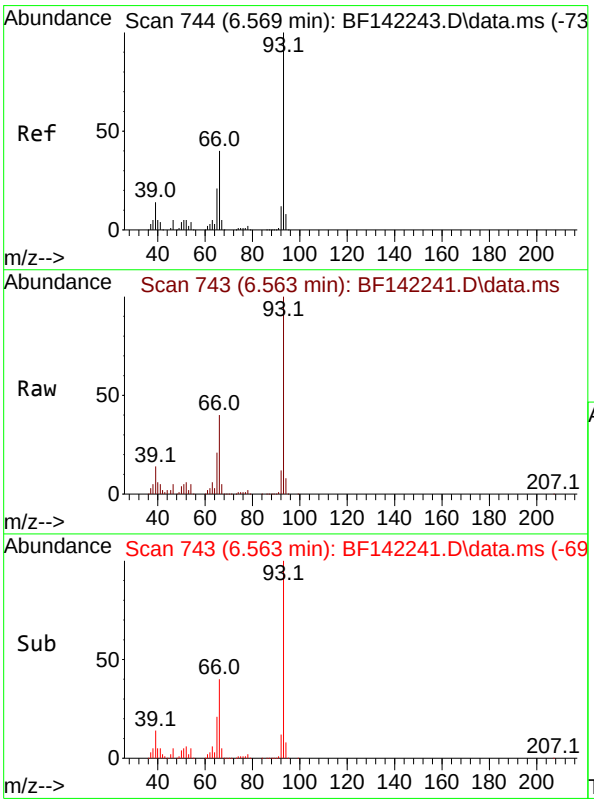
#5
2-Fluorophenol
Concen: 19.771 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 246136

Ion	Ratio	Lower	Upper
112	100		
64	60.2	48.4	72.6
63	31.3	24.8	37.2

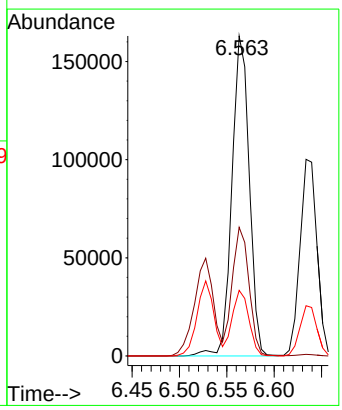


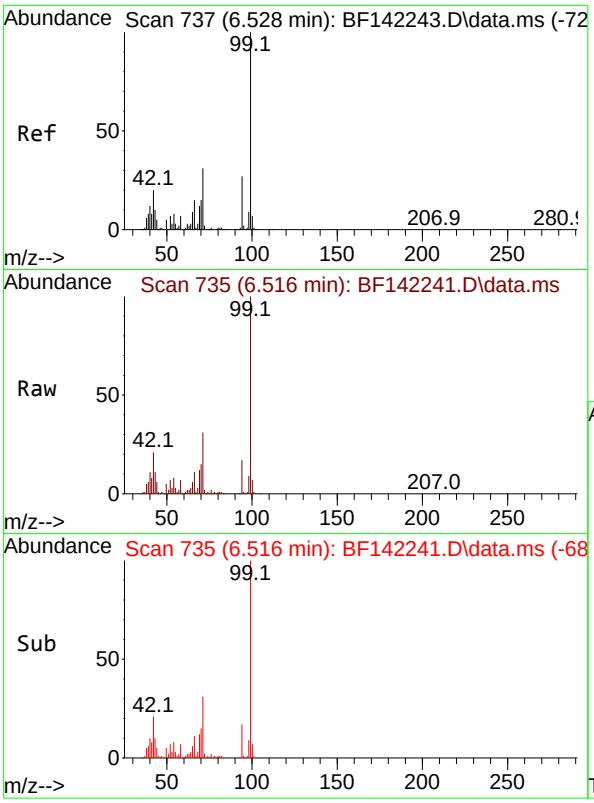


#6
Aniline
Concen: 9.739 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 93 Resp: 207232

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.1	48.1
65	20.5	16.6	24.8



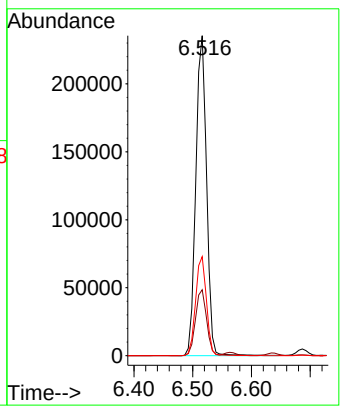


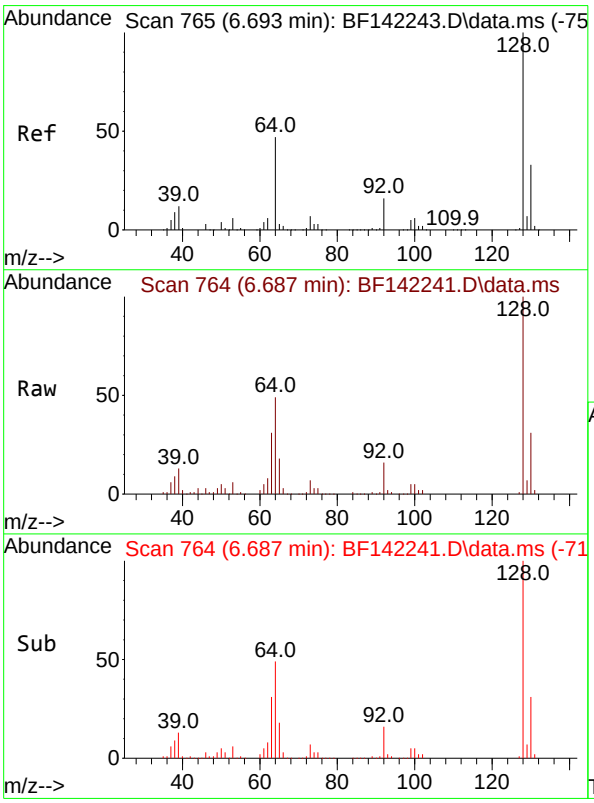
#7
Phenol-d6
Concen: 19.905 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 299244

Ion	Ratio	Lower	Upper
99	100		
42	20.6	16.3	24.5
71	30.9	25.0	37.4

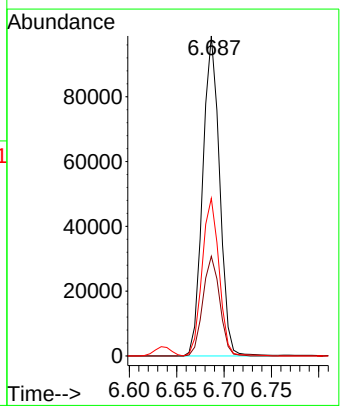


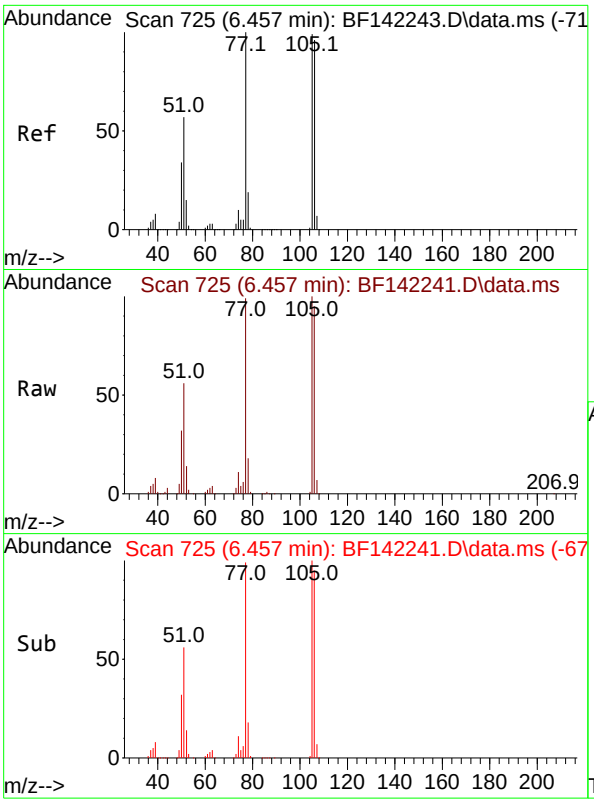


#8
2-Chlorophenol
Concen: 9.519 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:128 Resp: 122451

Ion	Ratio	Lower	Upper
128	100		
130	31.1	13.1	53.1
64	49.2	28.6	68.6



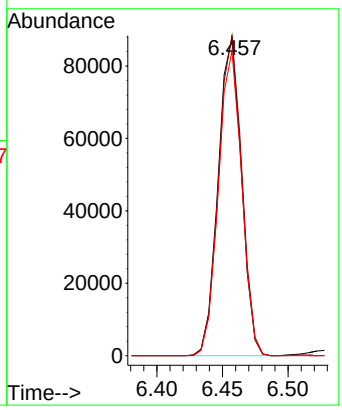


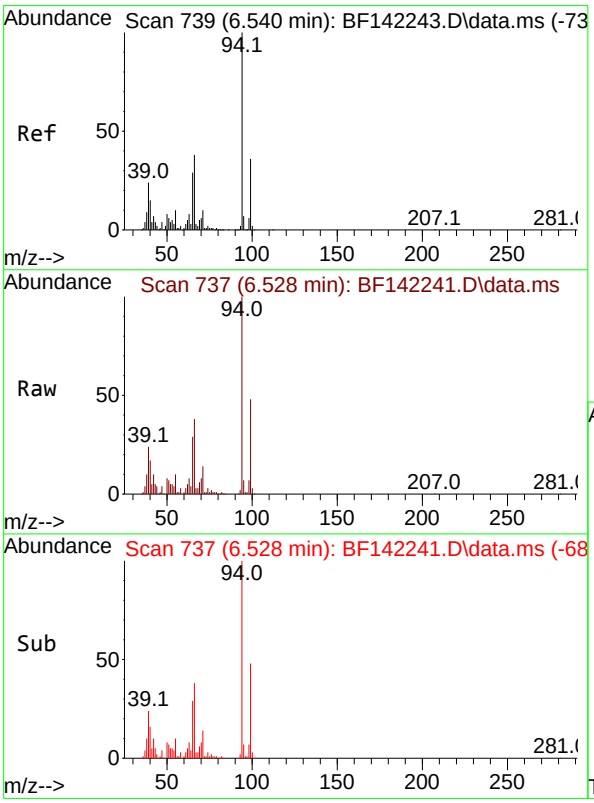
#9
Benzaldehyde
Concen: 10.297 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 108198

Ion	Ratio	Lower	Upper
77	100		
105	100.7	79.1	119.1
106	95.9	76.0	116.0

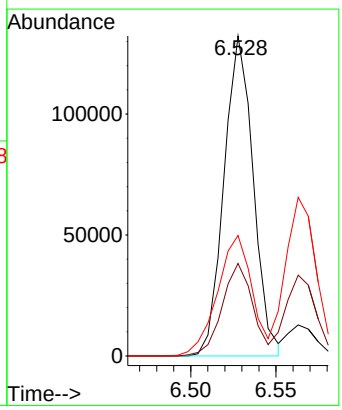


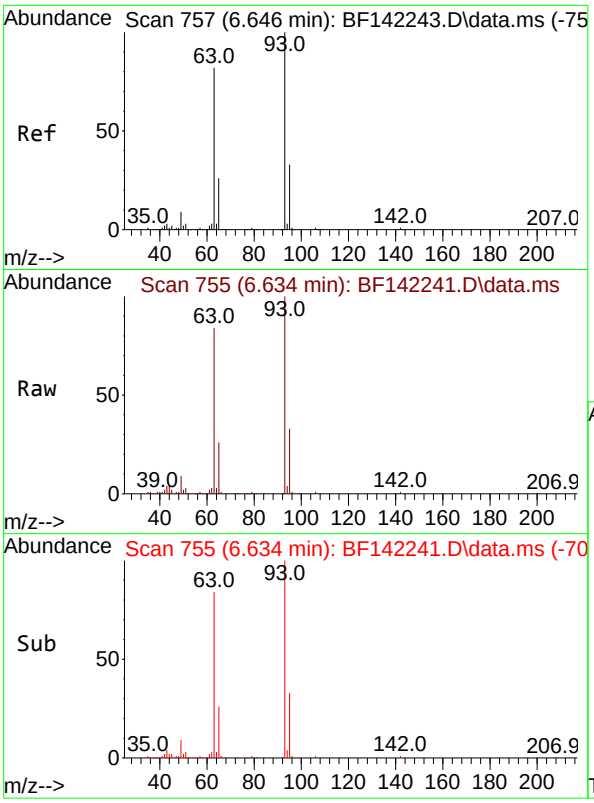


#10
Phenol
Concen: 9.755 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 94 Resp: 157877

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	37.6	18.7	58.7



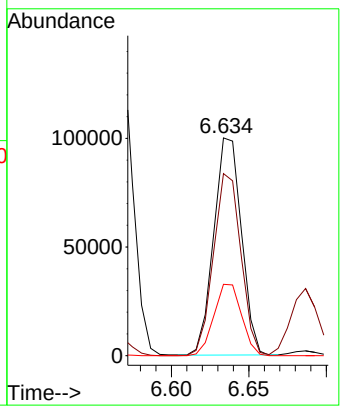


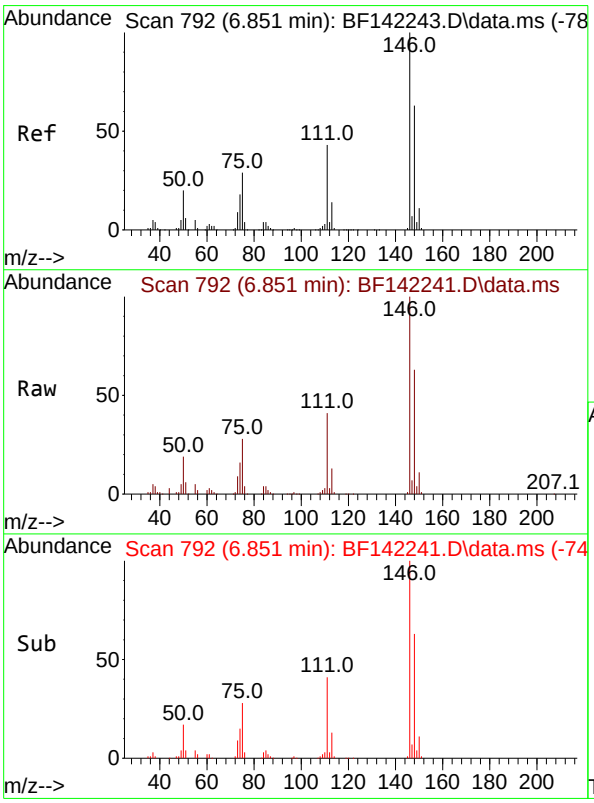
#11
bis(2-Chloroethyl)ether
Concen: 9.909 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 124281

Ion	Ratio	Lower	Upper
93	100		
63	83.6	62.2	102.2
95	32.8	12.7	52.7

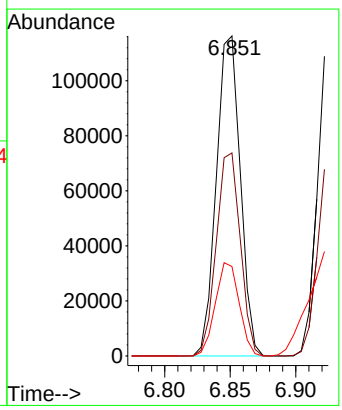


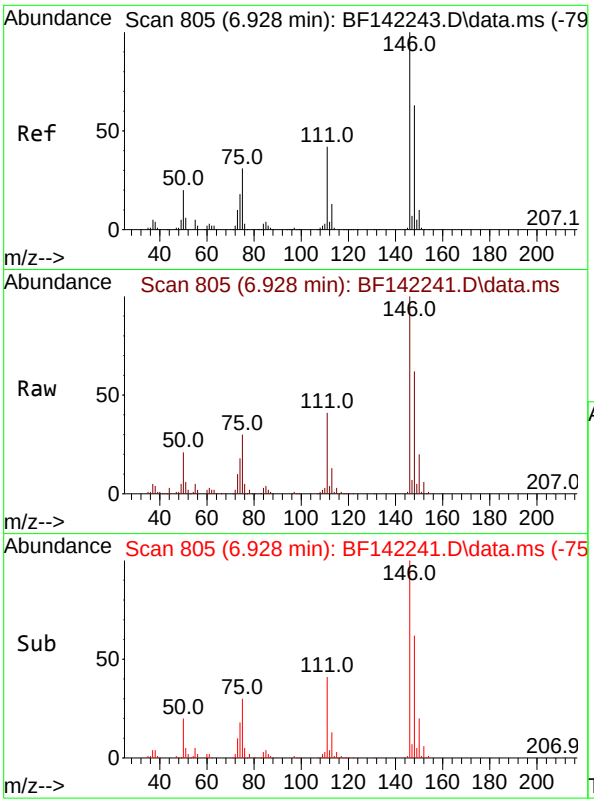


#12
1,3-Dichlorobenzene
Concen: 10.141 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:146 Resp: 147587

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
75	28.0	23.2	34.8



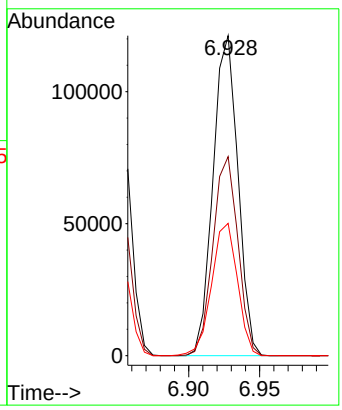


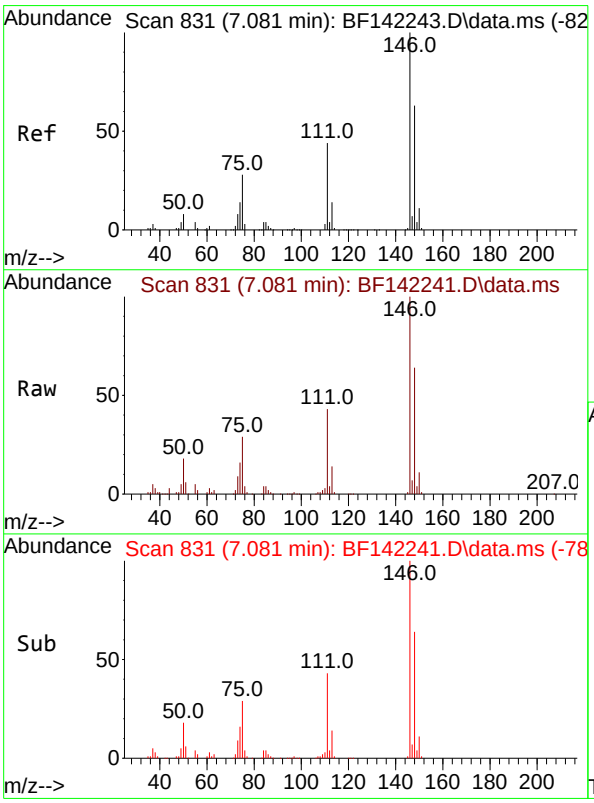
#13
1,4-Dichlorobenzene
Concen: 10.075 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 147728

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	76.0
111	41.4	33.4	50.0

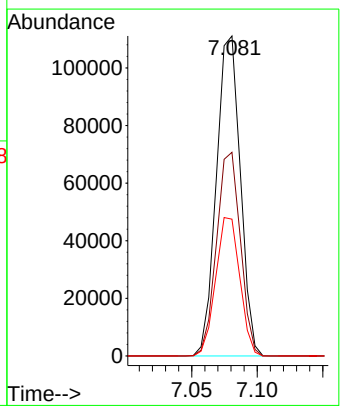


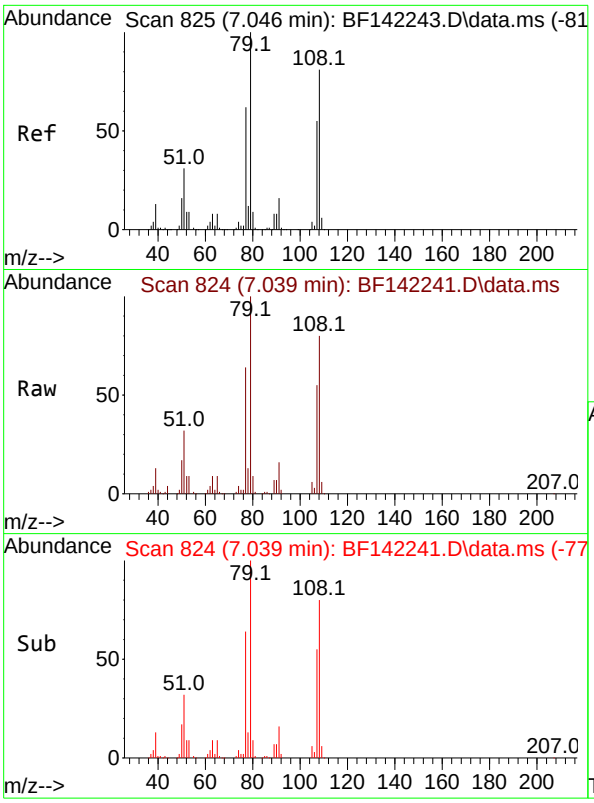


#14
1,2-Dichlorobenzene
Concen: 10.073 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:146 Resp: 140999

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	42.8	34.9	52.3



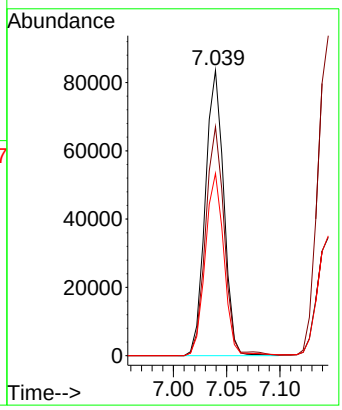


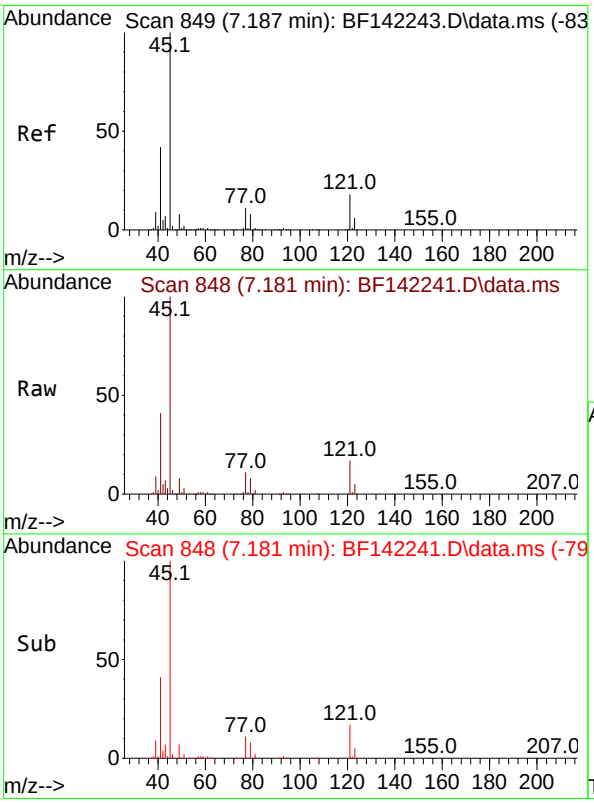
#15
Benzyl Alcohol
Concen: 9.481 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 101094

Ion	Ratio	Lower	Upper
79	100		
108	80.3	64.5	96.7
77	63.9	49.2	73.8

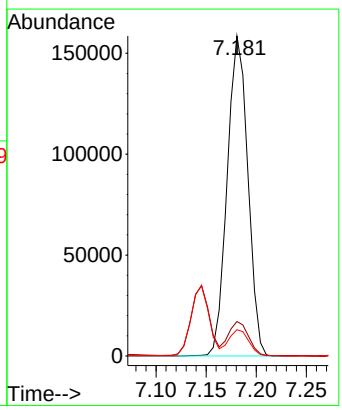


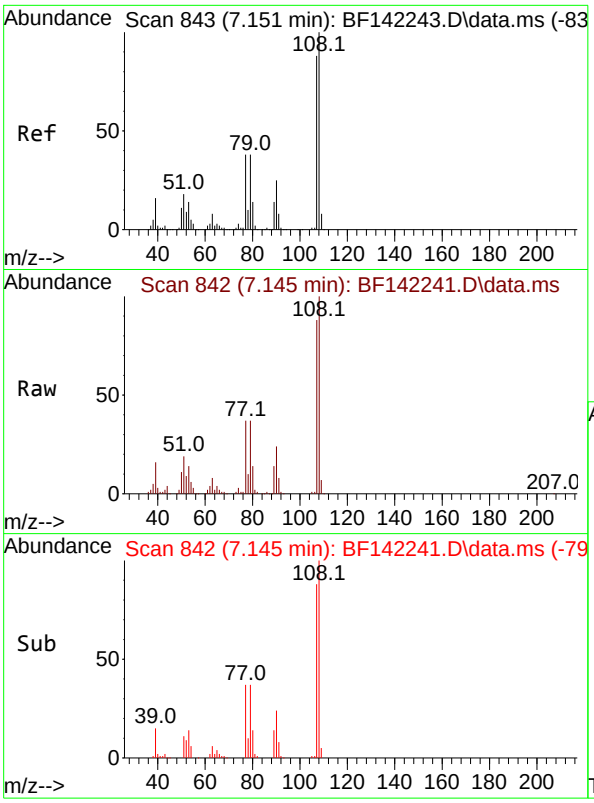


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.038 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 45 Resp: 227340

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.2	0.0	28.5



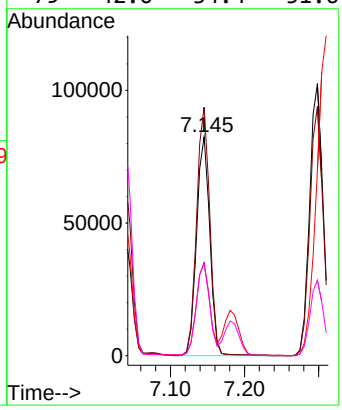


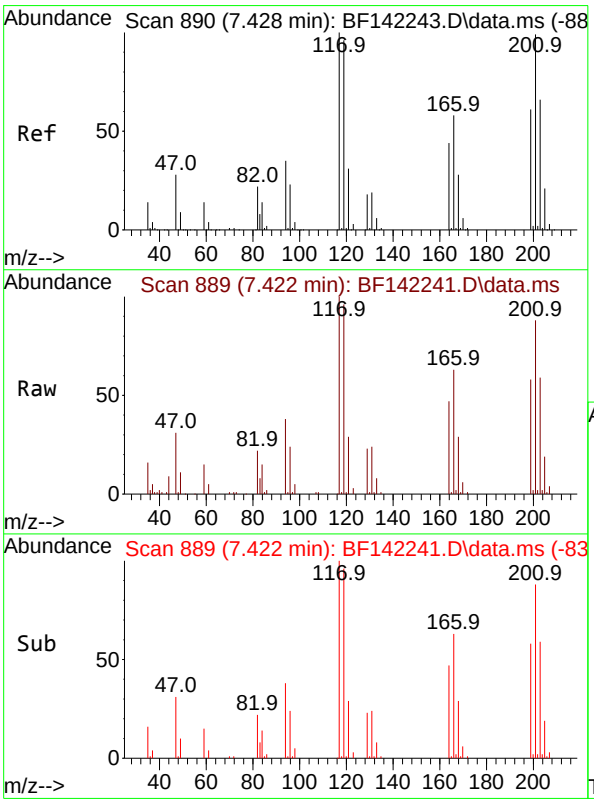
#17
2-Methylphenol
Concen: 9.707 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 102299

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.0	136.4
77	42.5	34.4	51.6
79	42.0	34.4	51.6

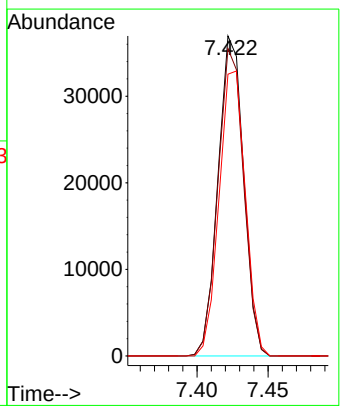


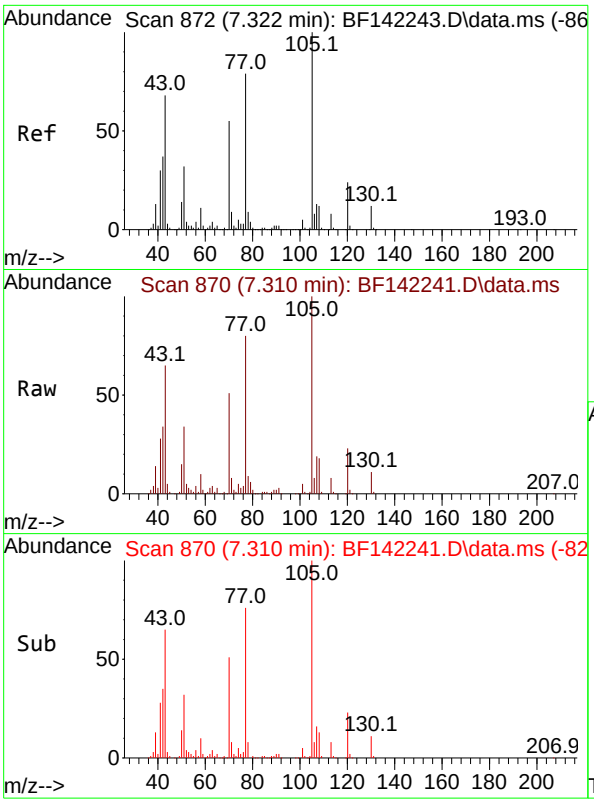


#18
Hexachloroethane
Concen: 9.662 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:117 Resp: 46369

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
201	88.1	79.4	119.2



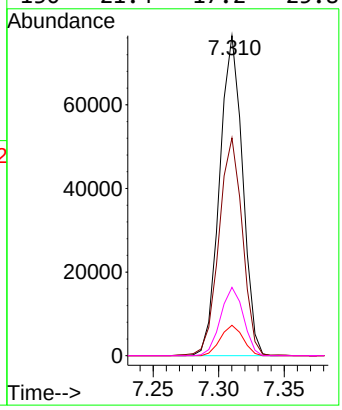


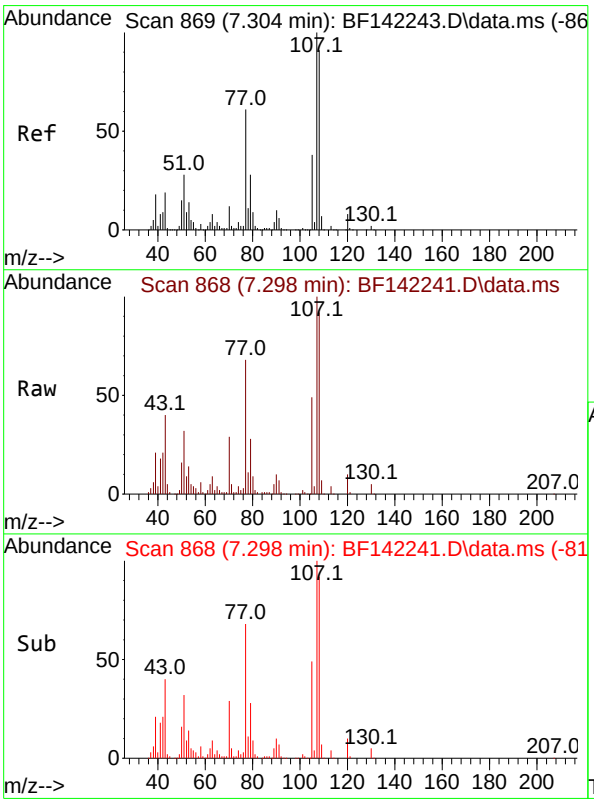
#19
n-Nitroso-di-n-propylamine
Concen: 10.029 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 93168

Ion	Ratio	Lower	Upper
70	100		
42	68.0	53.4	80.2
101	9.5	7.7	11.5
130	21.4	17.2	25.8

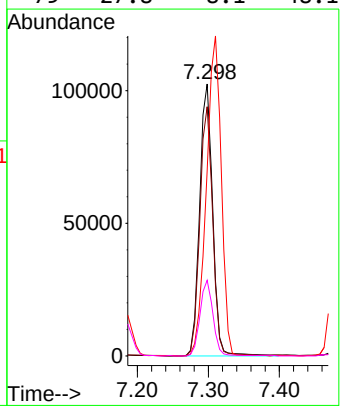


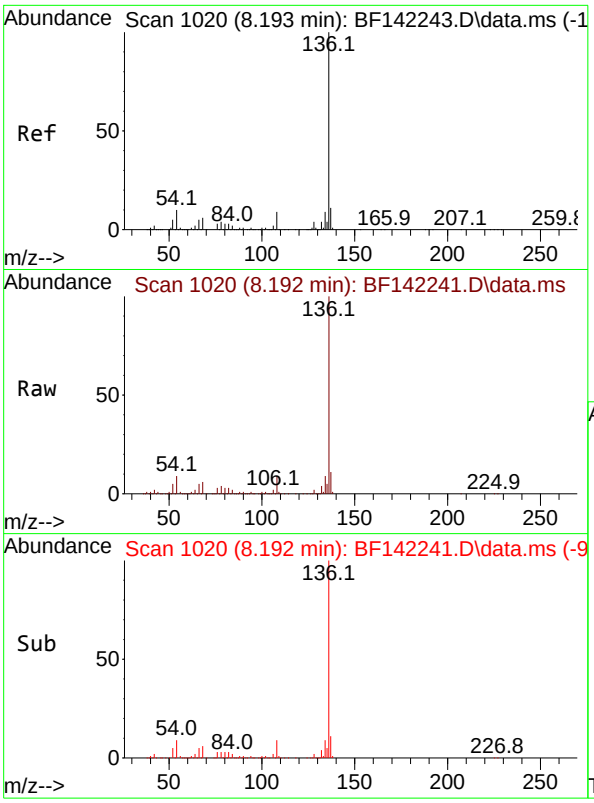


#20
3+4-Methylphenols
Concen: 9.981 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:107 Resp: 131546

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.2	111.2
77	68.1	41.1	81.1
79	27.8	8.1	48.1



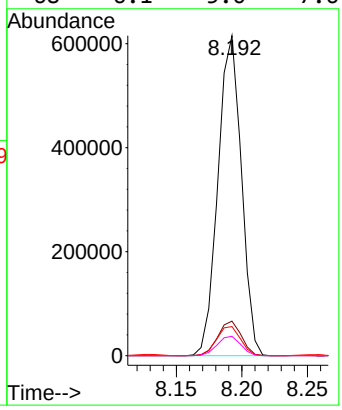


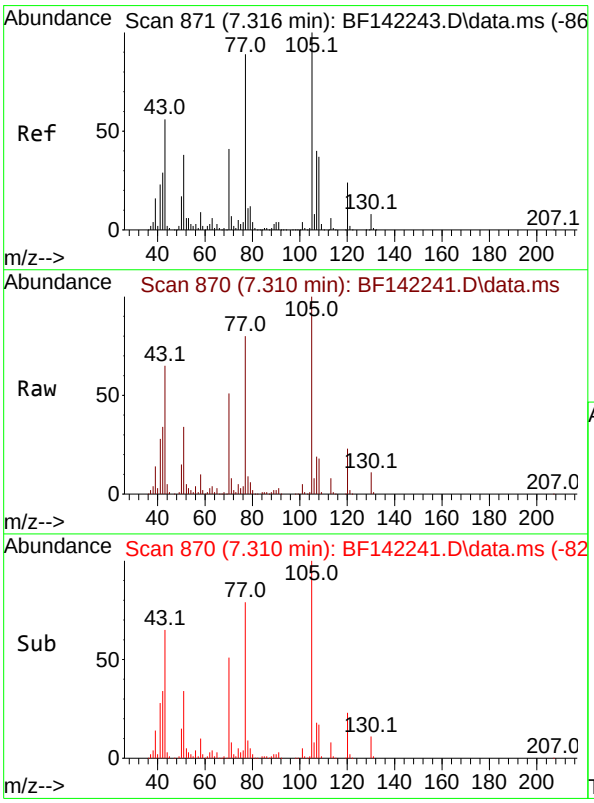
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 764114

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.1	7.7	11.5
68	6.1	5.0	7.6

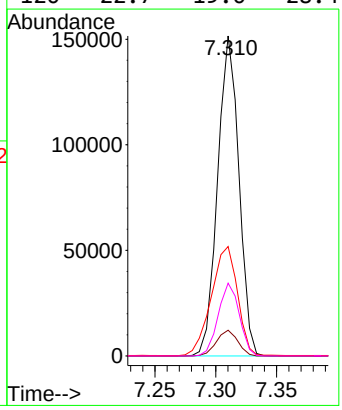


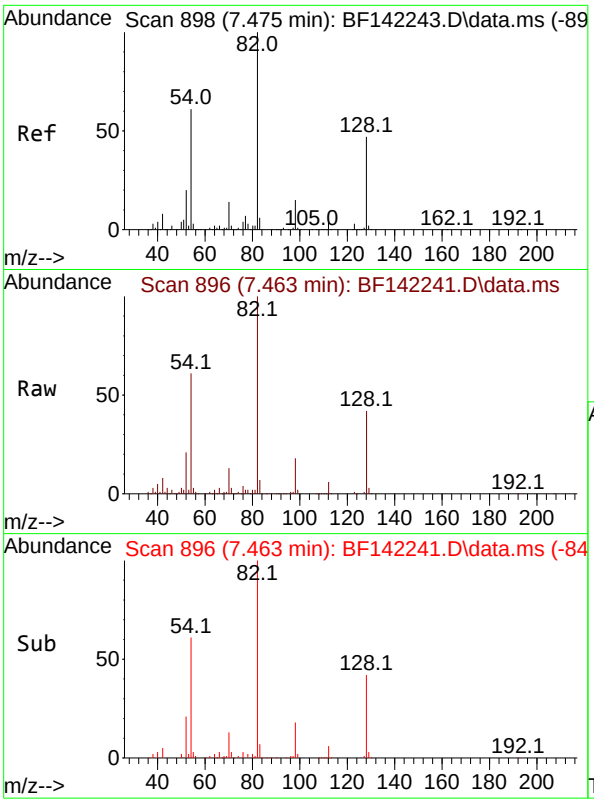


#22
Acetophenone
Concen: 10.423 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:105 Resp: 184253

Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.7	8.5
51	34.2	30.1	45.1
120	22.7	19.0	28.4



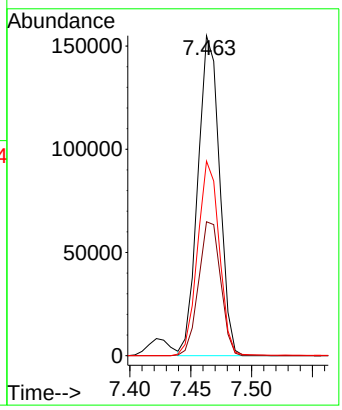


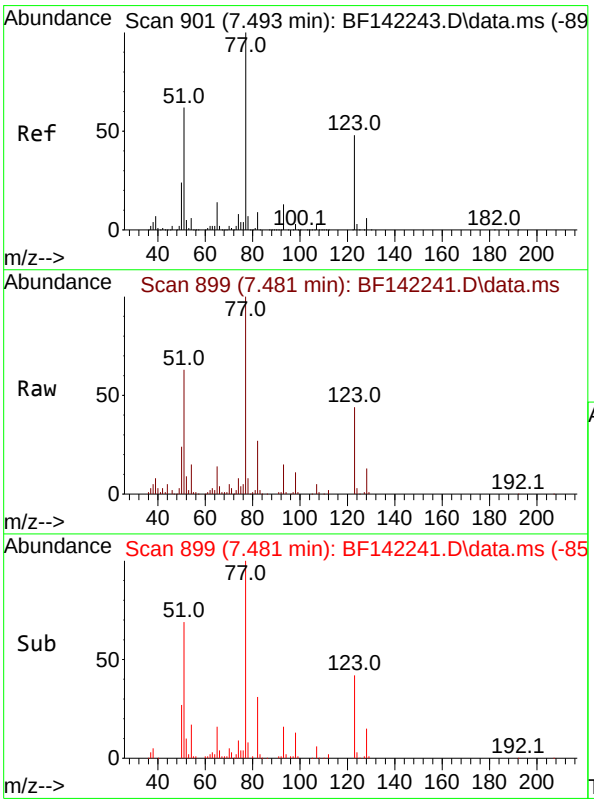
#23
Nitrobenzene-d5
Concen: 16.523 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 192172

Ion	Ratio	Lower	Upper
82	100		
128	41.8	37.0	55.6
54	60.8	48.0	72.0

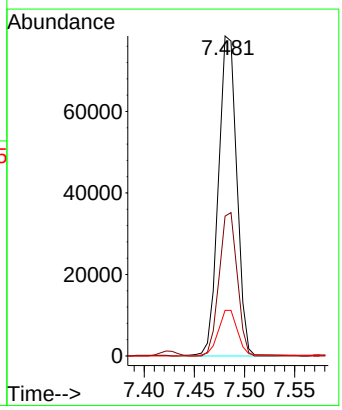


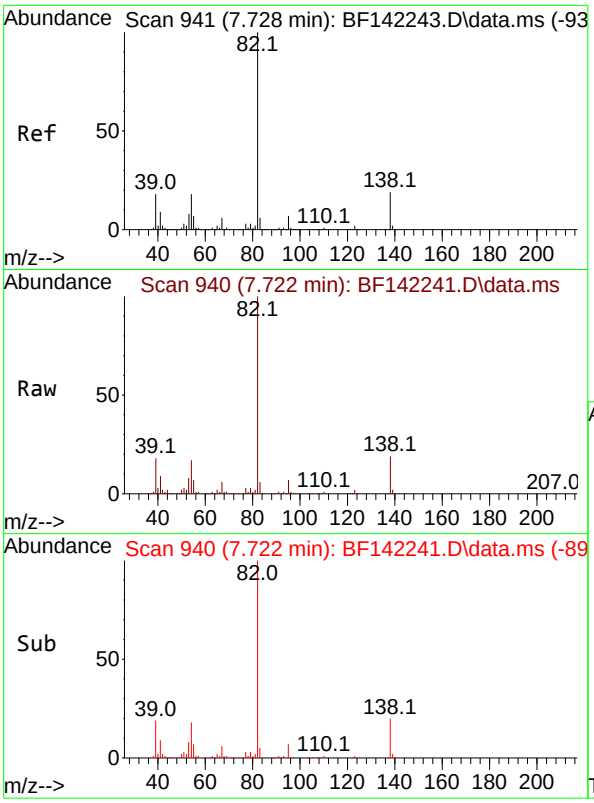


#24
Nitrobenzene
Concen: 8.754 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 77 Resp: 99900

Ion	Ratio	Lower	Upper
77	100		
123	43.7	38.6	58.0
65	14.3	11.5	17.3



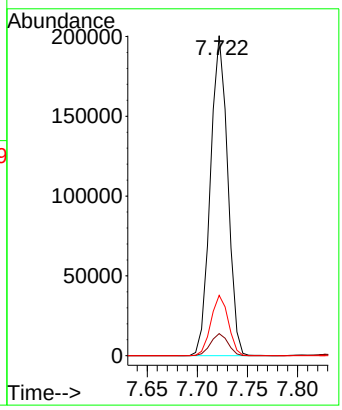


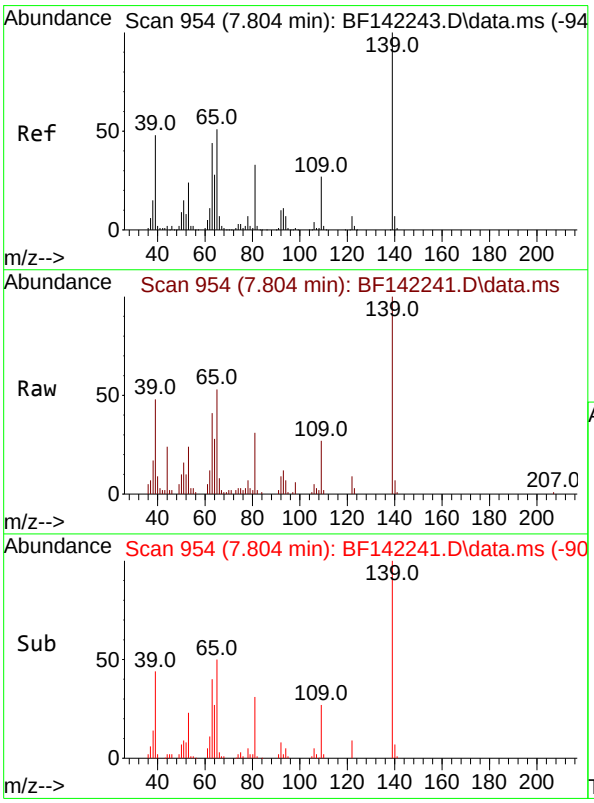
#25
Isophorone
Concen: 9.859 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 240659

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	18.8	15.3	22.9

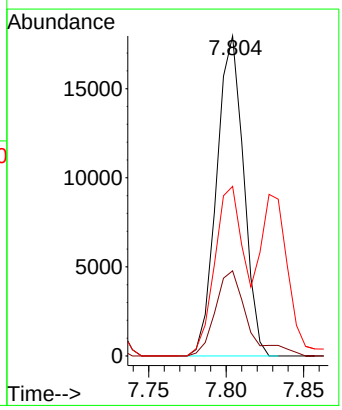


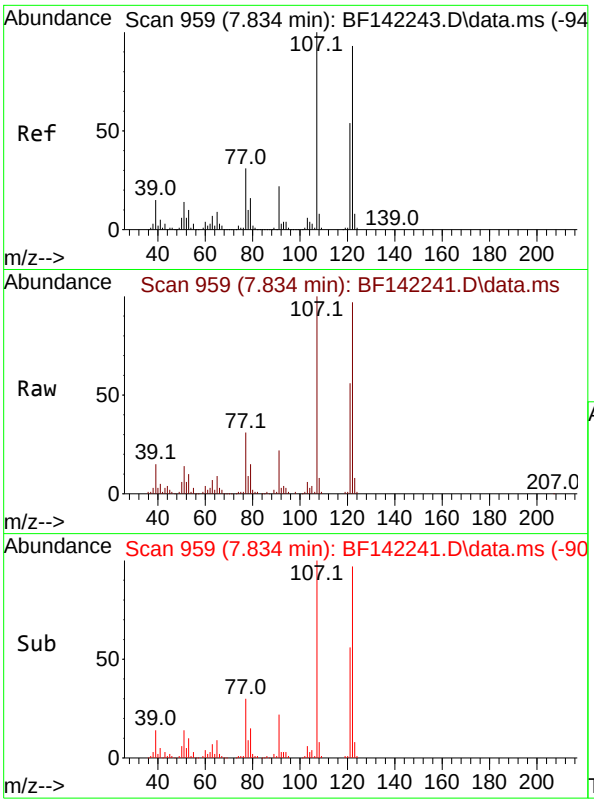


#26
2-Nitrophenol
Concen: 9.530 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:139 Resp: 21744

Ion	Ratio	Lower	Upper
139	100		
109	26.6	21.8	32.8
65	53.0	41.1	61.7



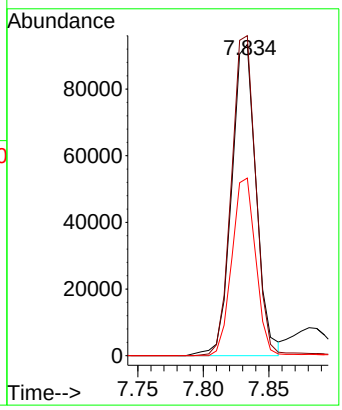


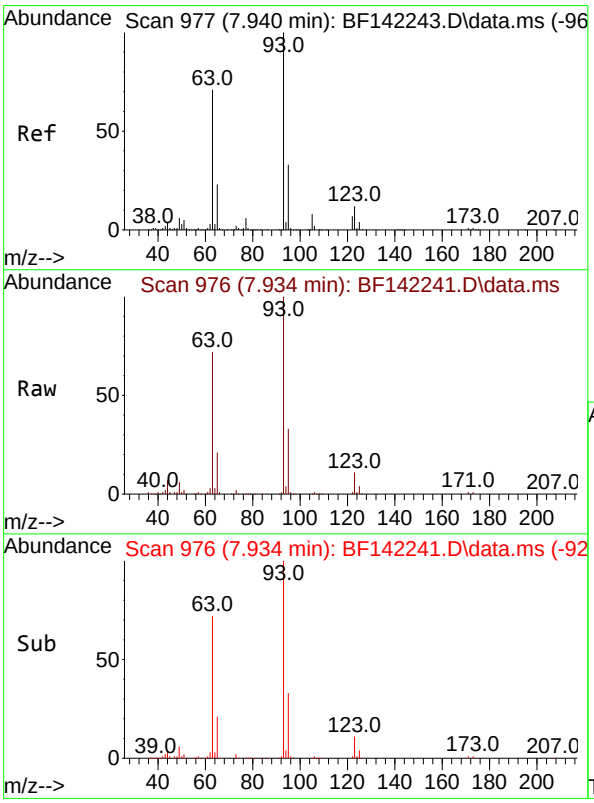
#27
2,4-Dimethylphenol
Concen: 9.889 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 121707

Ion	Ratio	Lower	Upper
122	100		
107	102.8	86.0	129.0
121	57.1	46.3	69.5

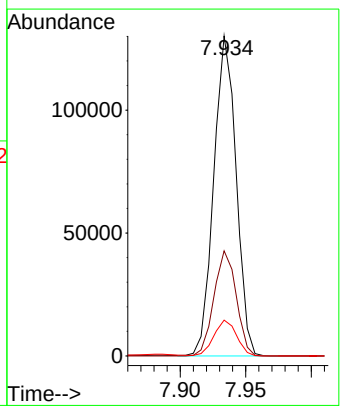


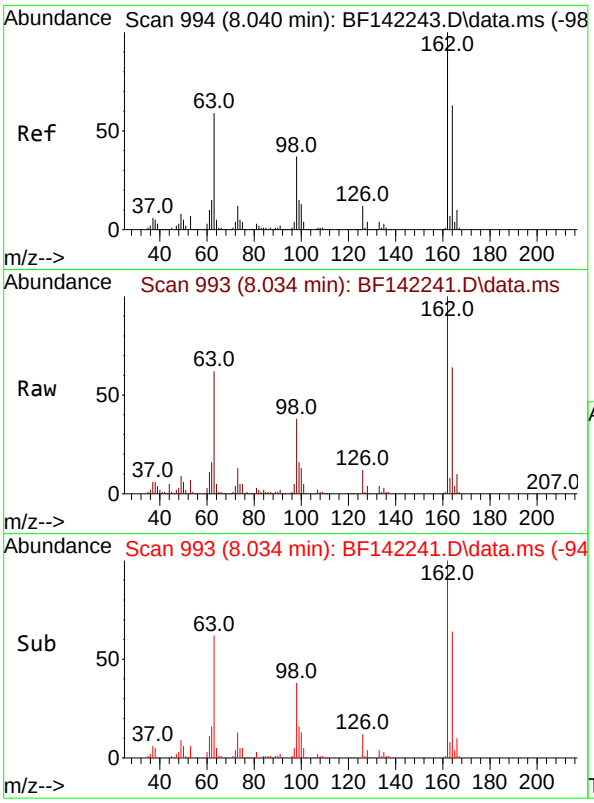


#28
bis(2-Chloroethoxy)methane
Concen: 10.026 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 93 Resp: 154349

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	11.2	9.7	14.5



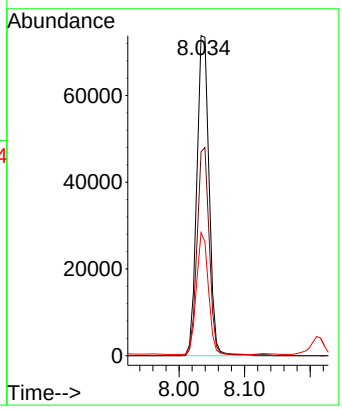


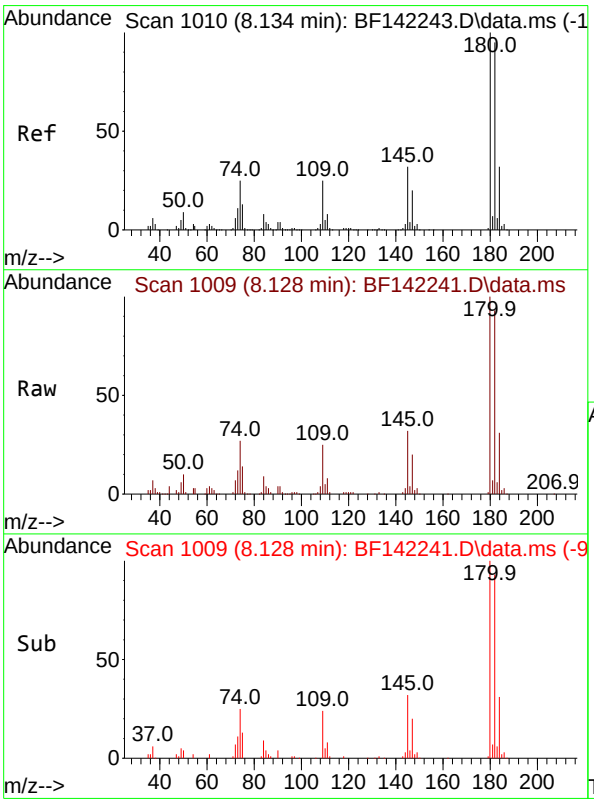
#29
2,4-Dichlorophenol
Concen: 9.404 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 96761

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.0	83.0
98	38.4	16.7	56.7

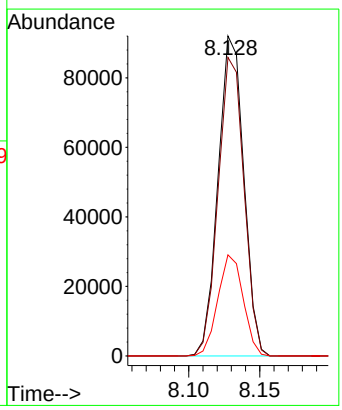


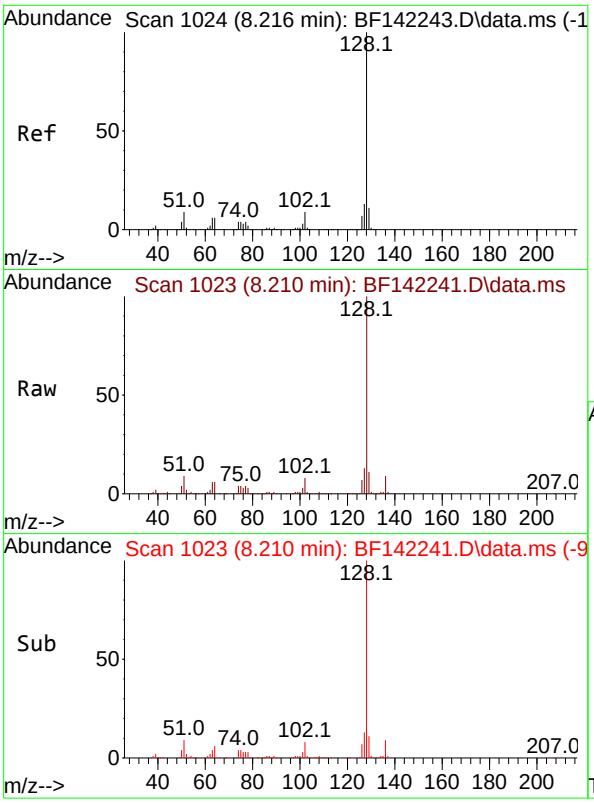


#30
1,2,4-Trichlorobenzene
Concen: 10.087 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:180 Resp: 115815

Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.7	113.5
145	31.6	25.4	38.0



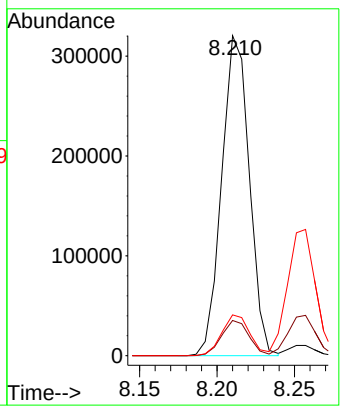


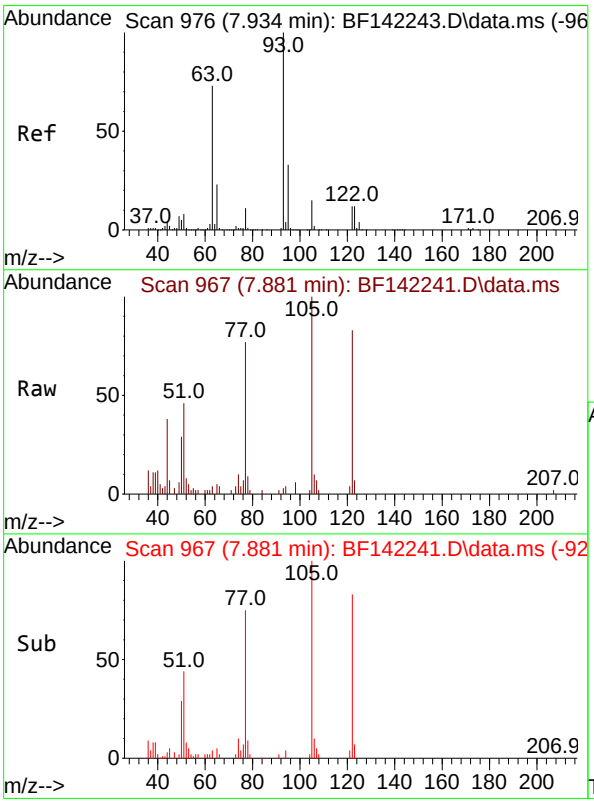
#31
Naphthalene
Concen: 10.422 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 397159

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.8	10.6	15.8

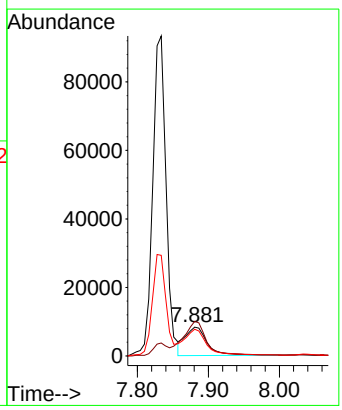


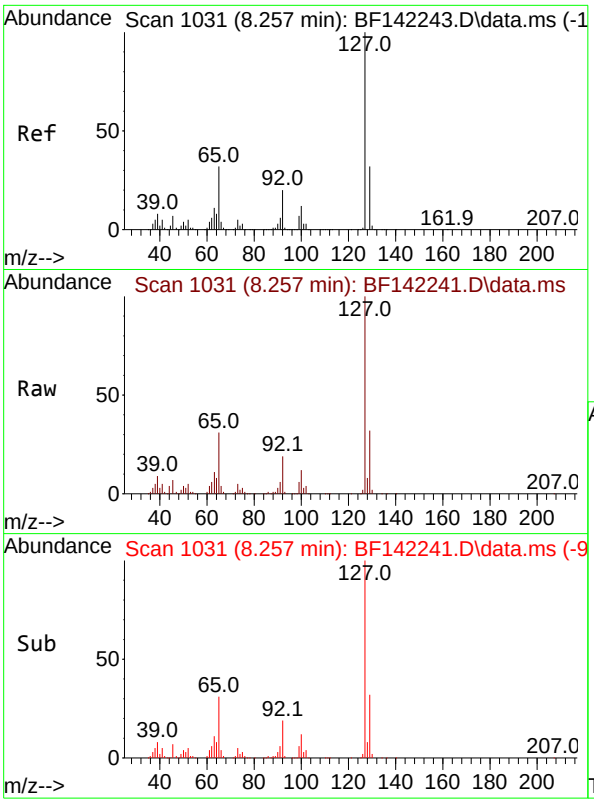


#32
Benzoic acid
Concen: 13.045 ng
RT: 7.881 min Scan# 967
Delta R.T. -0.053 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:122 Resp: 18272

Ion	Ratio	Lower	Upper
122	100		
105	120.0	98.2	138.2
77	92.6	66.8	106.8



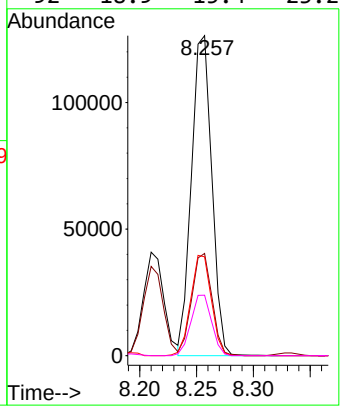


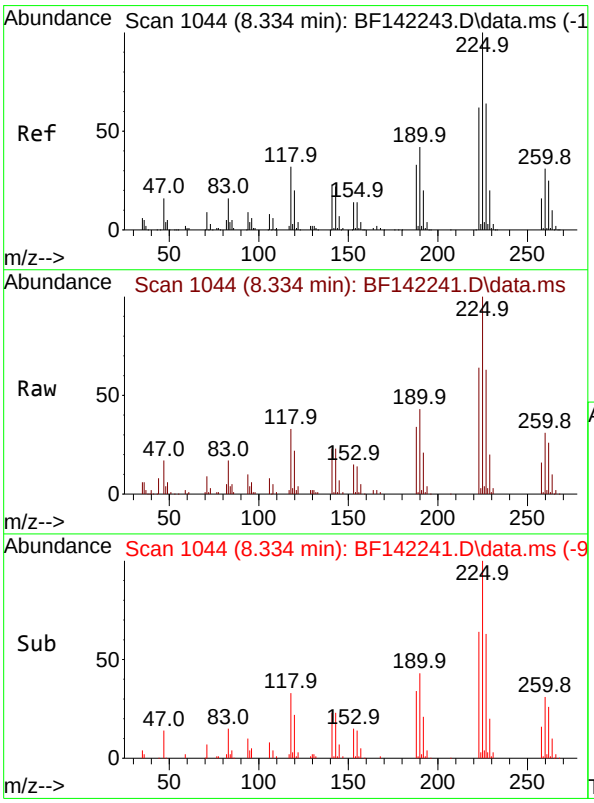
#33
4-Chloroaniline
Concen: 9.957 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 157999

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	30.9	25.5	38.3
92	18.9	15.4	23.2

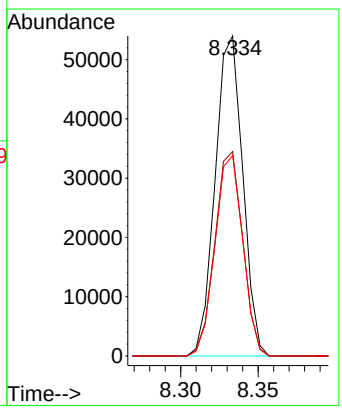


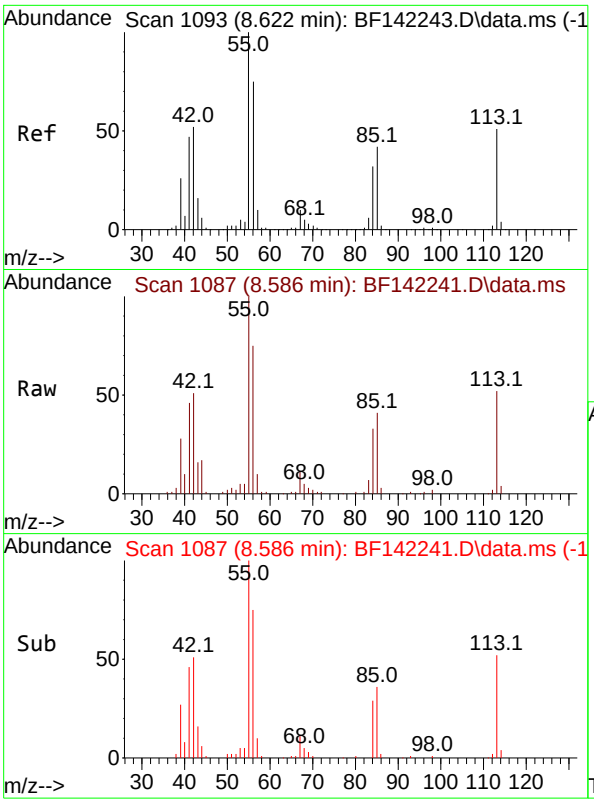


#34
Hexachlorobutadiene
Concen: 9.976 ng
RT: 8.334 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:225 Resp: 66829

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.7	74.5
227	62.6	51.0	76.4



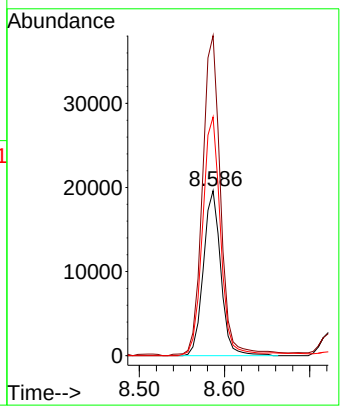


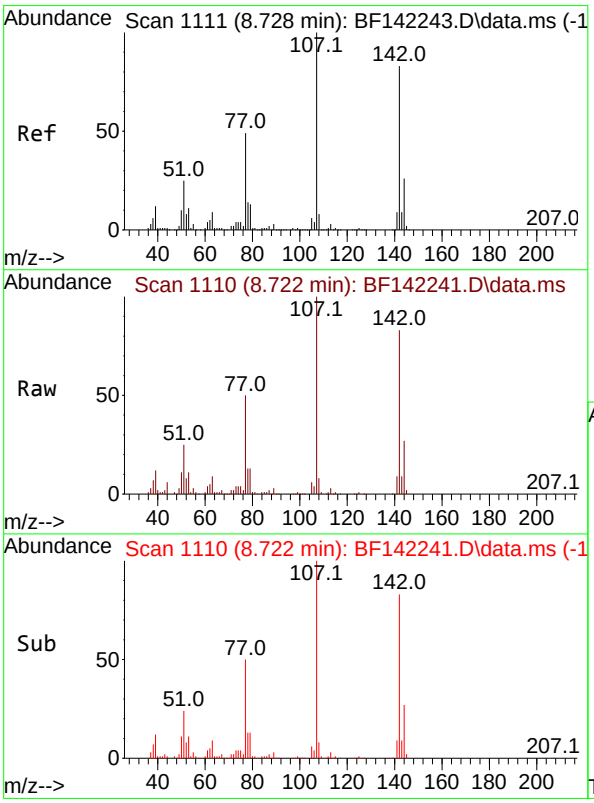
#35
Caprolactam
Concen: 8.989 ng
RT: 8.586 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 27800

Ion	Ratio	Lower	Upper
113	100		
55	194.0	177.7	217.7
56	144.7	127.1	167.1

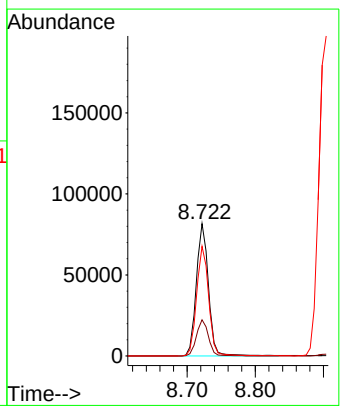


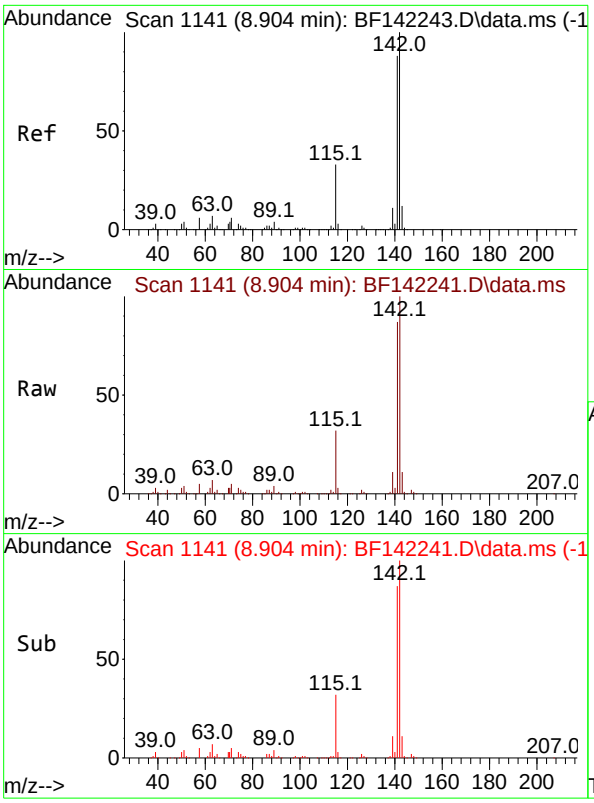


#36
4-Chloro-3-methylphenol
Concen: 9.576 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:107 Resp: 101179

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.0	31.4
142	82.8	66.1	99.1



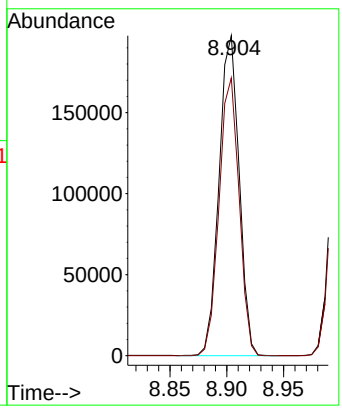


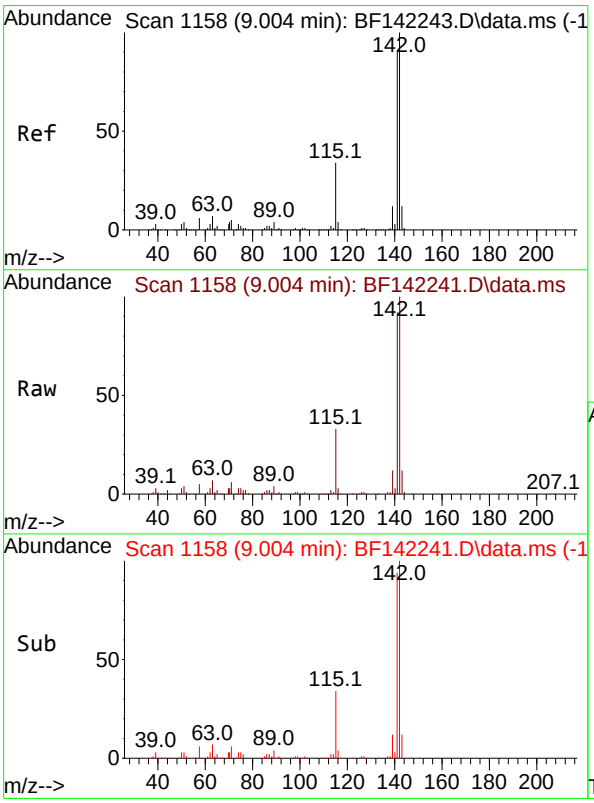
#37
2-Methylnaphthalene
Concen: 10.390 ng
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 243429

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.5	105.7

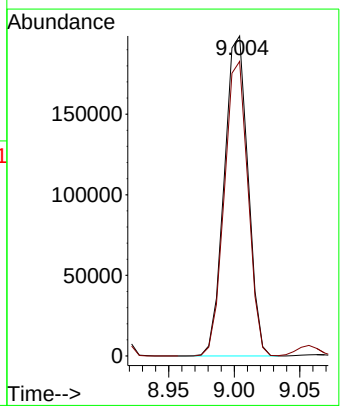


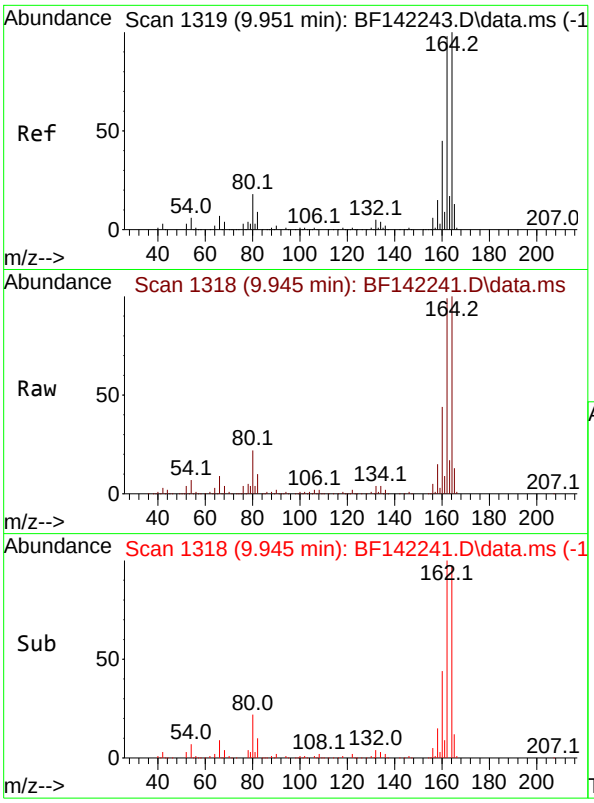


#38
1-Methylnaphthalene
Concen: 10.312 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:142 Resp: 250299

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.8	109.2



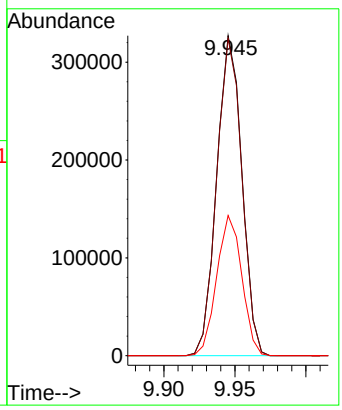


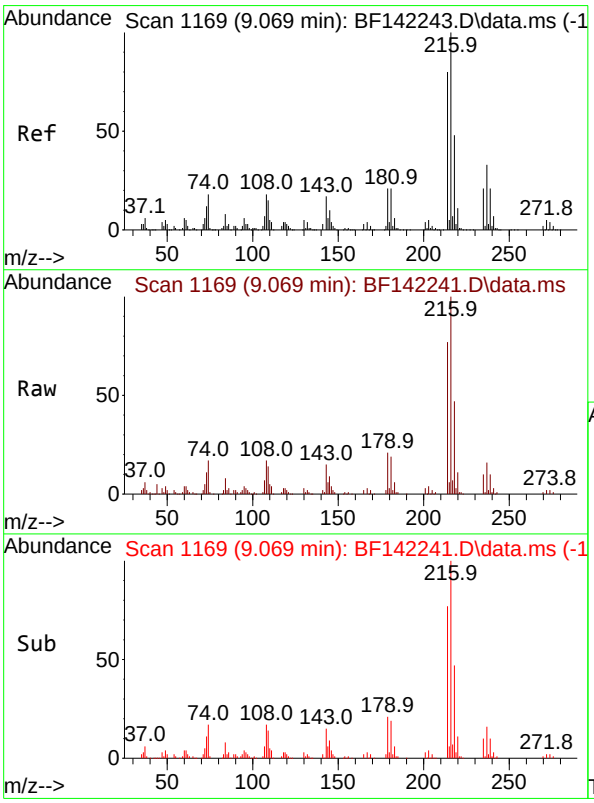
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 402628

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.6	117.8
160	43.8	35.7	53.5

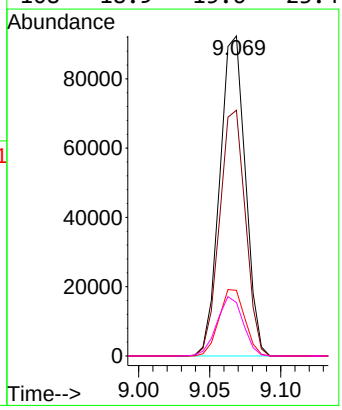


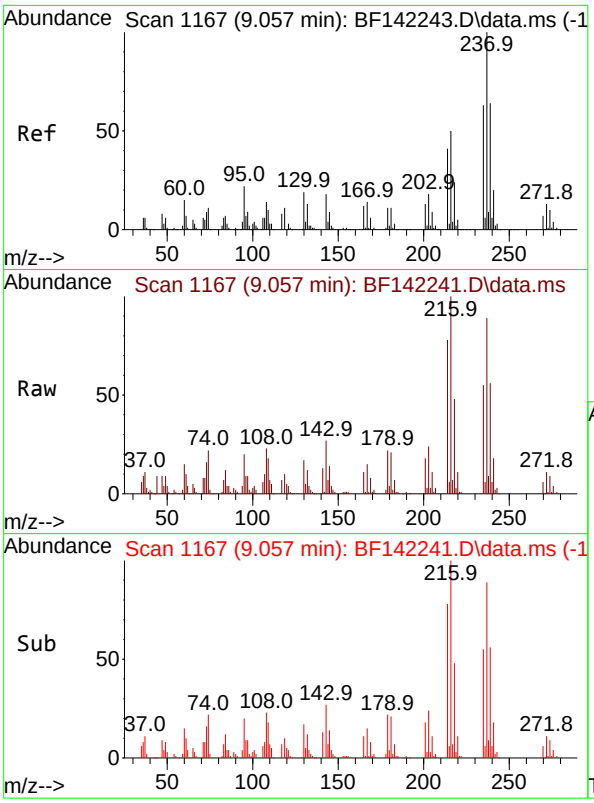


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.209 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:216 Resp: 115685

Ion	Ratio	Lower	Upper
216	100		
214	77.5	63.8	95.6
179	21.0	16.7	25.1
108	18.9	15.6	23.4



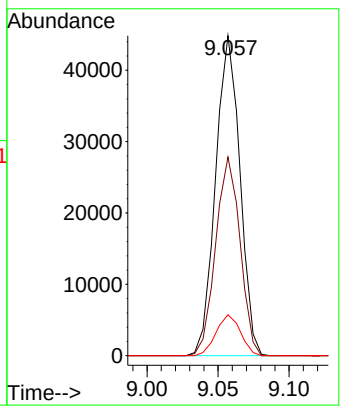


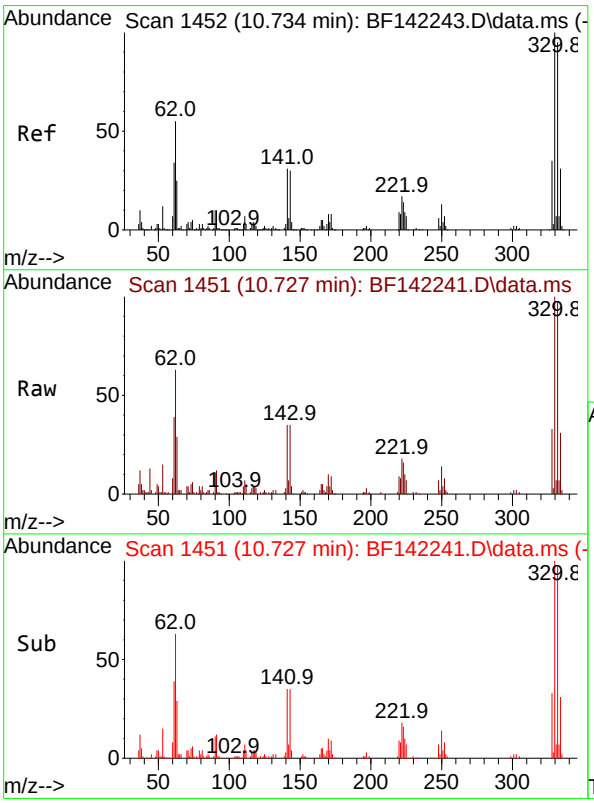
#41
Hexachlorocyclopentadiene
Concen: 8.298 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 53365

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.5	83.5
272	12.8	0.0	32.9

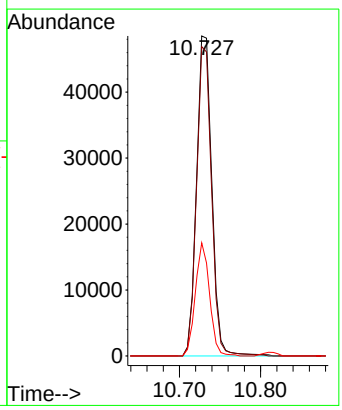


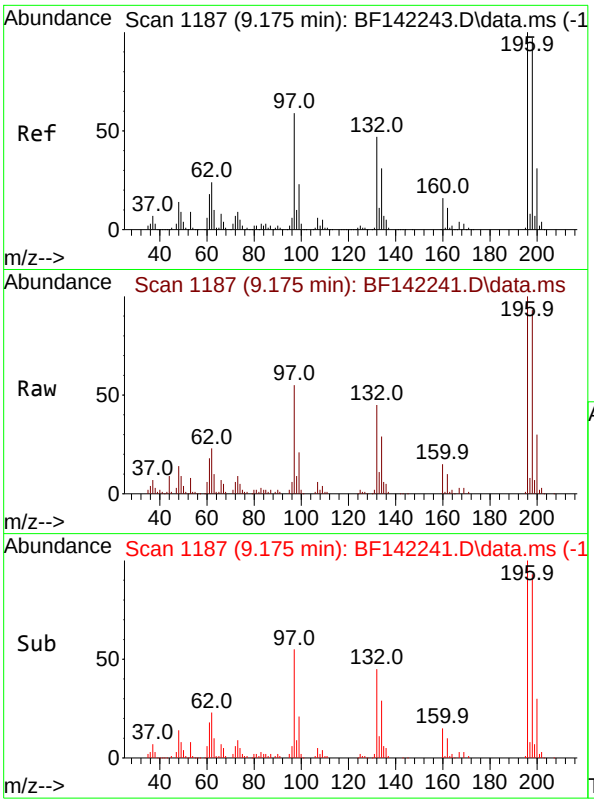


#42
2,4,6-Tribromophenol
Concen: 17.292 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:330 Resp: 63470

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.5	114.7
141	32.9	24.3	36.5



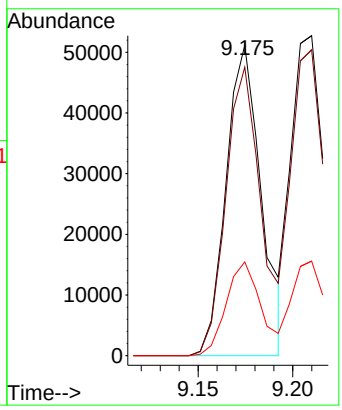


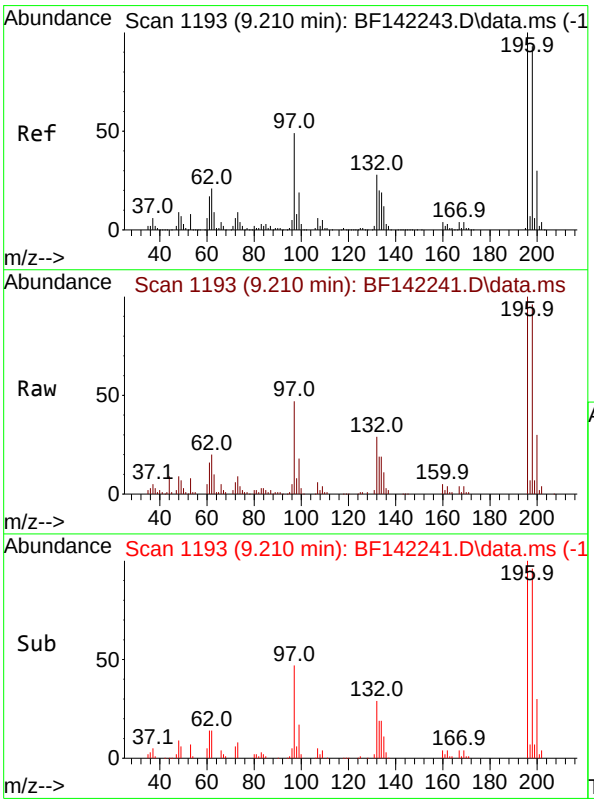
#43
2,4,6-Trichlorophenol
Concen: 9.438 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 66271

Ion	Ratio	Lower	Upper
196	100		
198	92.9	77.4	116.2
200	30.2	24.6	37.0

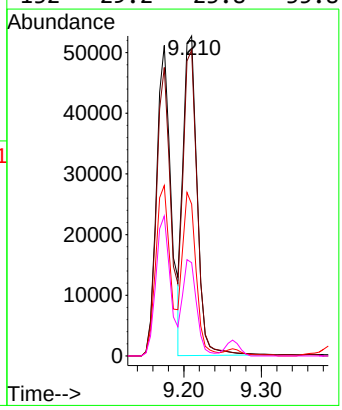


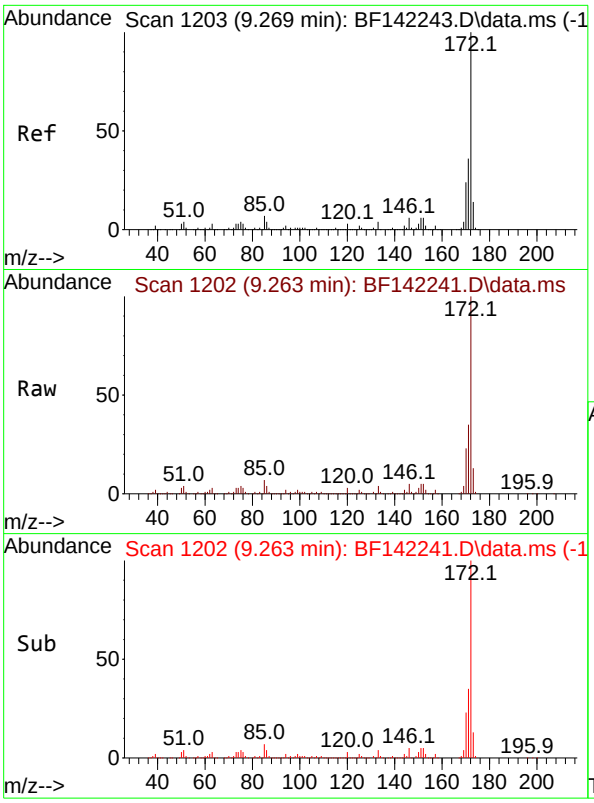


#44
2,4,5-Trichlorophenol
Concen: 9.009 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:196 Resp: 66509

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.2	112.8
97	47.5	39.8	59.8
132	29.2	23.8	35.8



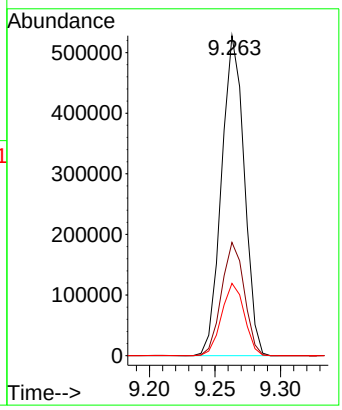


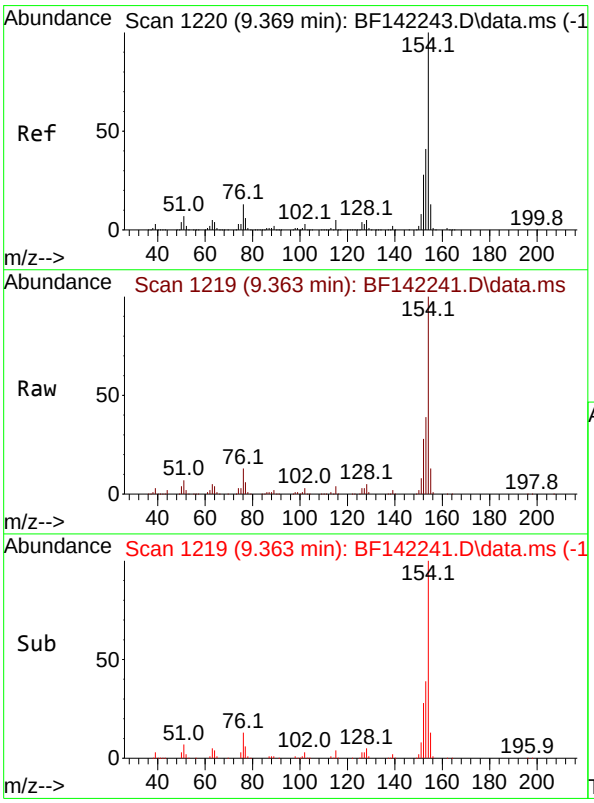
#45
2-Fluorobiphenyl
Concen: 22.275 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 636078

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	22.6	19.4	29.0

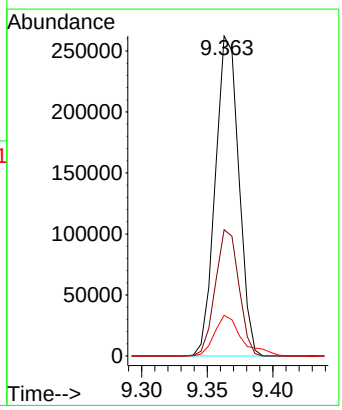


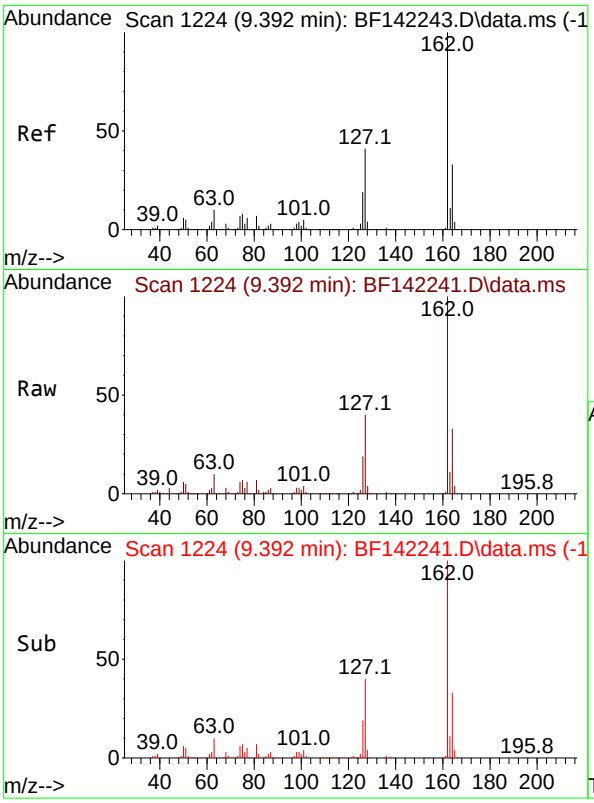


#46
1,1'-Biphenyl
Concen: 10.423 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:154 Resp: 326241

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.5	60.5
76	12.7	0.0	32.8



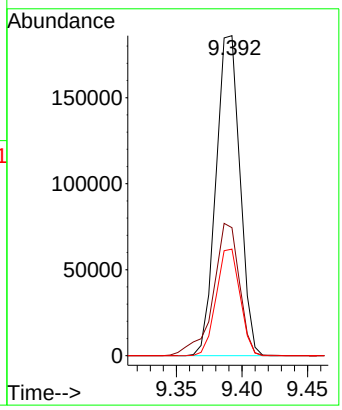


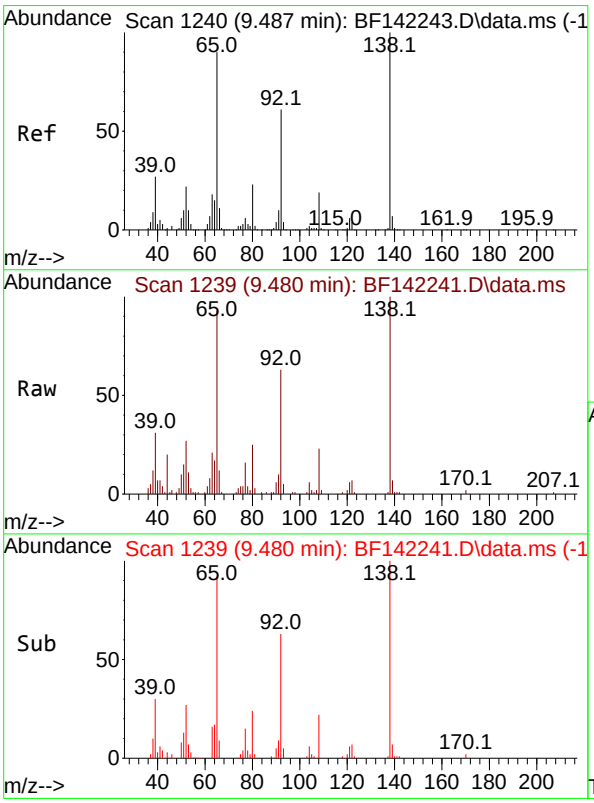
#47
2-Chloronaphthalene
Concen: 10.165 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 236725

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.6	49.0
164	33.3	26.1	39.1

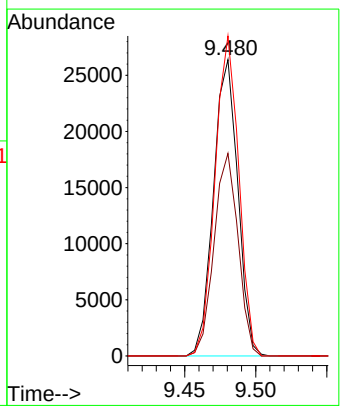


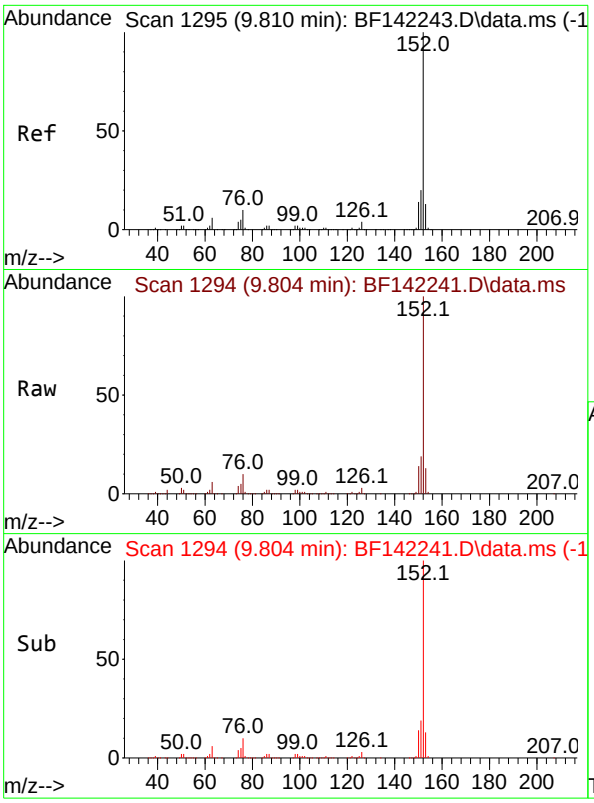


#48
2-Nitroaniline
Concen: 9.382 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion: 65 Resp: 31455

Ion	Ratio	Lower	Upper
65	100		
92	68.4	54.3	81.5
138	108.0	88.6	133.0



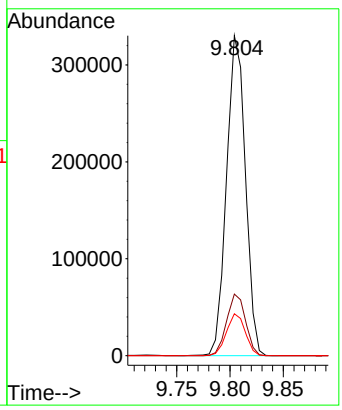


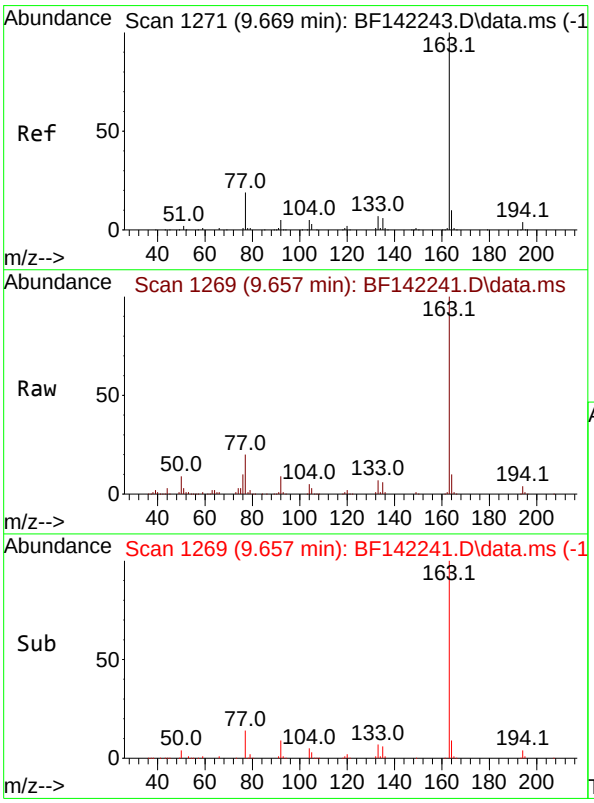
#49
Acenaphthylene
Concen: 10.373 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 407630

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2
153	13.1	10.7	16.1

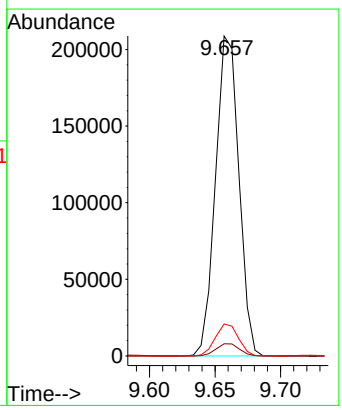


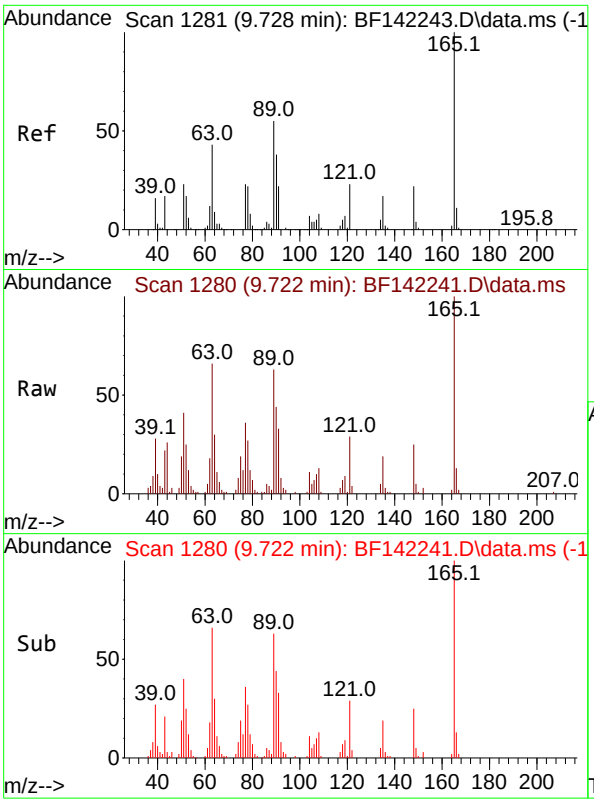


#50
Dimethylphthalate
Concen: 10.036 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:163 Resp: 258512

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.0	8.2	12.2



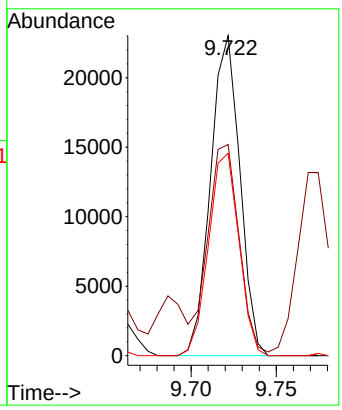


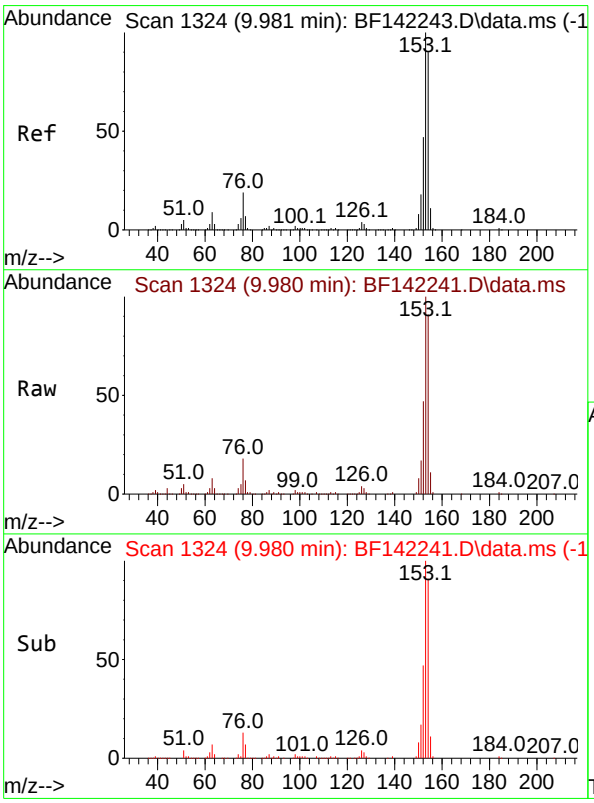
#51
2,6-Dinitrotoluene
Concen: 9.147 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 27624

Ion	Ratio	Lower	Upper
165	100		
63	66.0	48.5	72.7
89	63.2	43.9	65.9

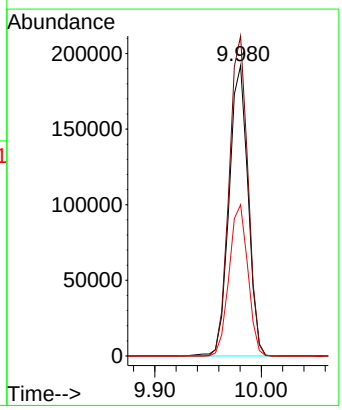


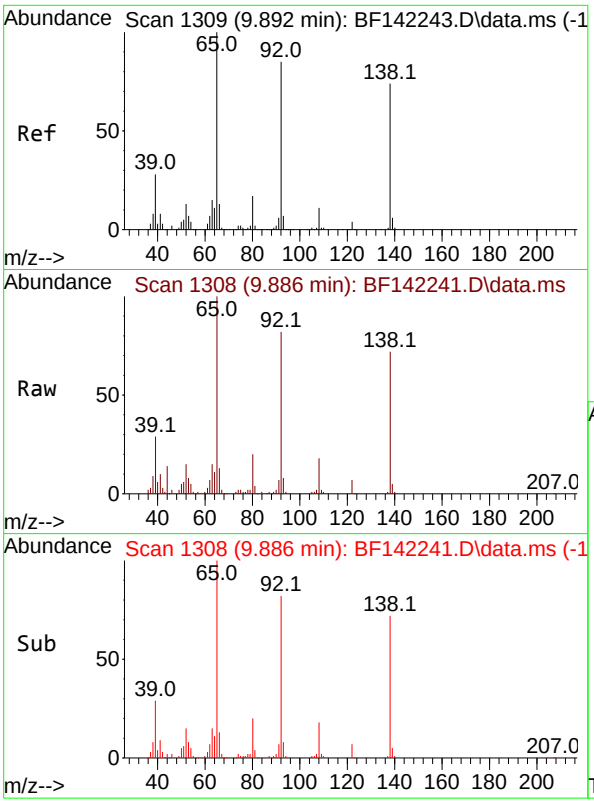


#52
Acenaphthene
Concen: 10.305 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:154 Resp: 236444

Ion	Ratio	Lower	Upper
154	100		
153	110.2	88.6	133.0
152	52.1	42.1	63.1



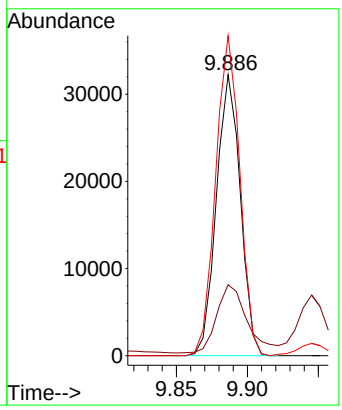


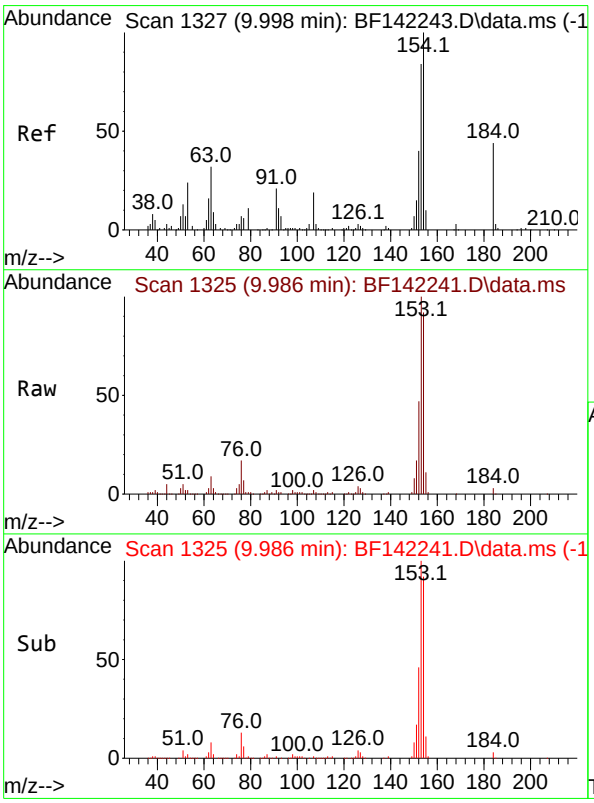
#53
3-Nitroaniline
Concen: 9.049 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 37727

Ion	Ratio	Lower	Upper
138	100		
108	25.3	11.7	17.5#
92	113.9	91.2	136.8

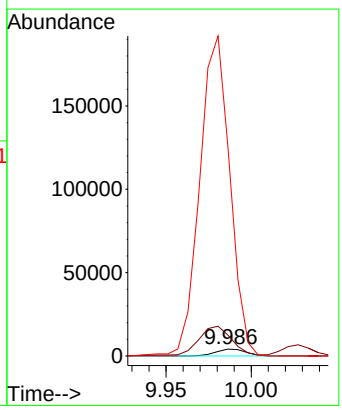


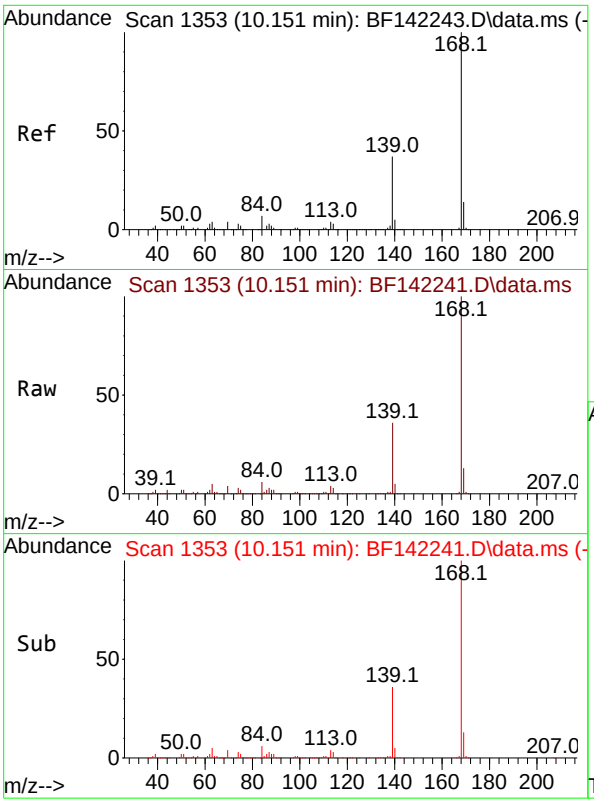


#54
2,4-Dinitrophenol
Concen: 11.362 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:184 Resp: 4993

Ion	Ratio	Lower	Upper
184	100		
63	302.8	69.2	103.8#
154	3030.9	271.4	407.2#



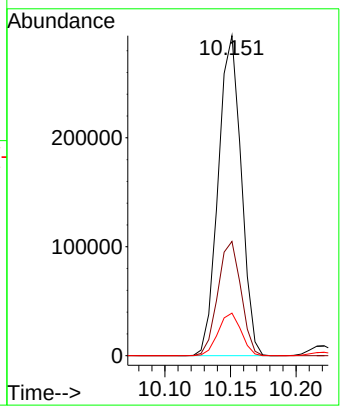


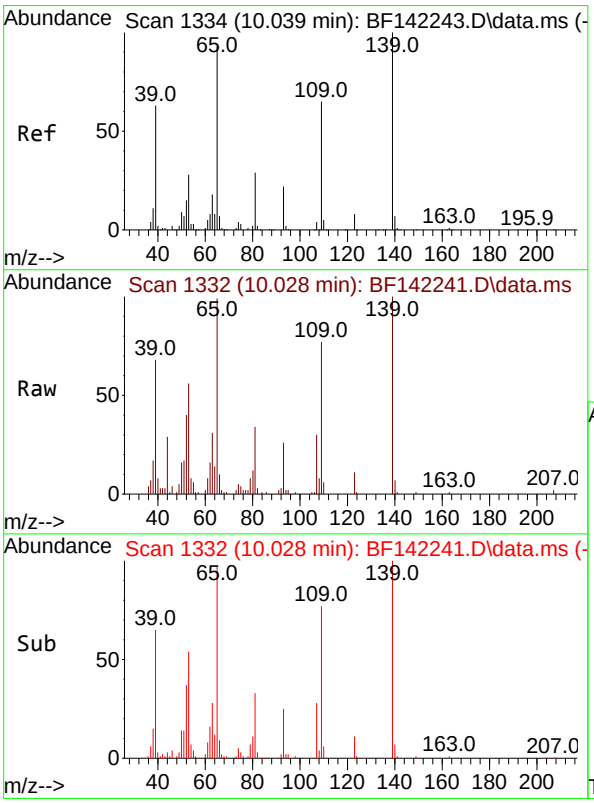
#55
Dibenzofuran
Concen: 10.392 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 357431

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.4	44.0
169	13.3	11.0	16.4

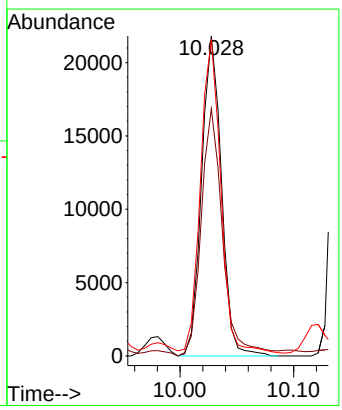


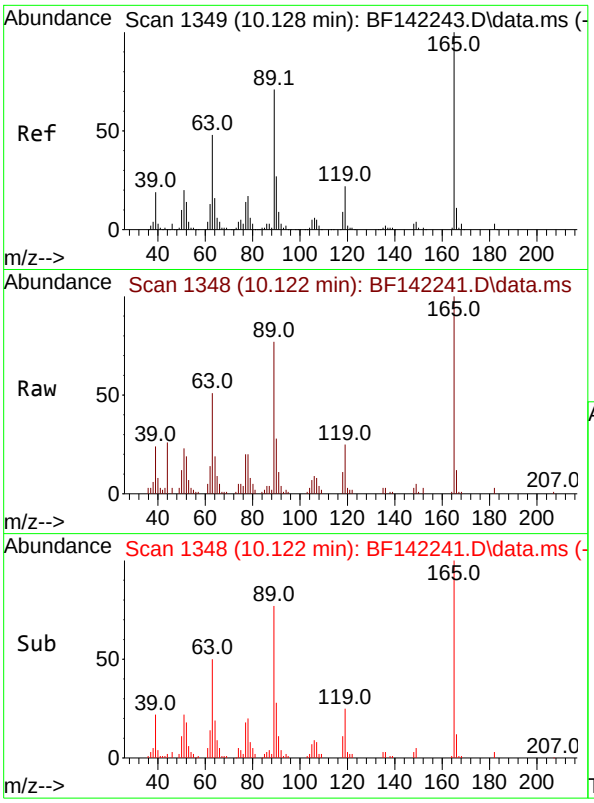


#56
4-Nitrophenol
Concen: 6.520 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:139 Resp: 26399

Ion	Ratio	Lower	Upper
139	100		
109	77.2	44.9	84.9
65	99.0	74.7	114.7



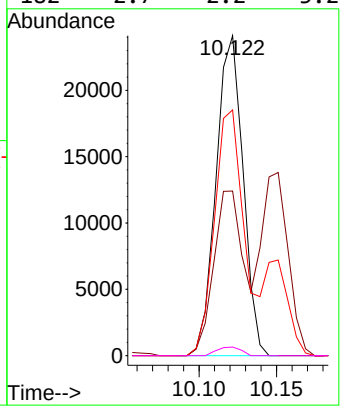


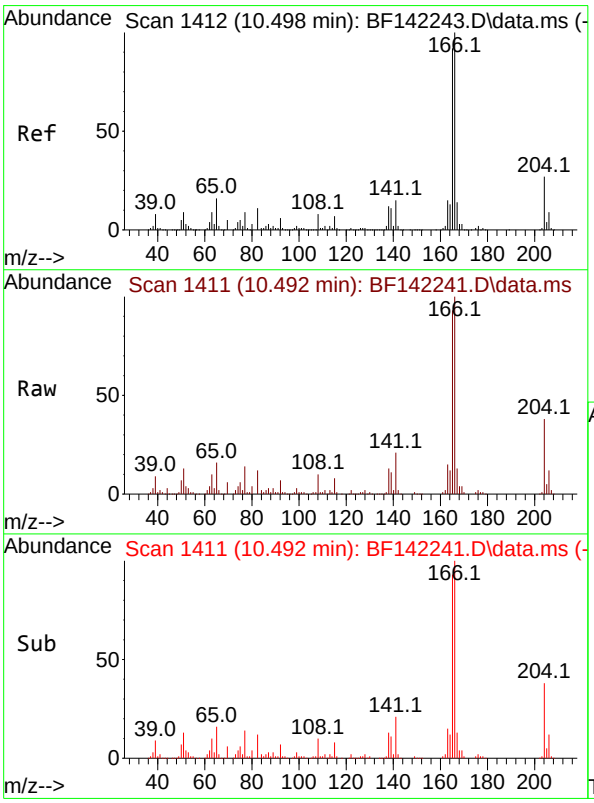
#57
2,4-Dinitrotoluene
Concen: 9.405 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 29245

Ion	Ratio	Lower	Upper
165	100		
63	51.5	38.8	58.2
89	76.8	57.1	85.7
182	2.7	2.2	3.2

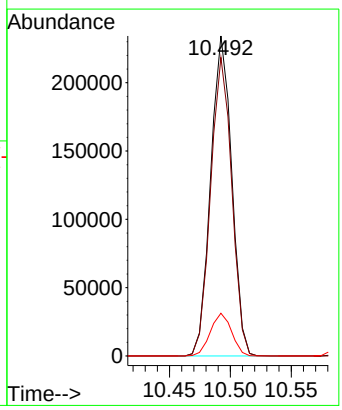


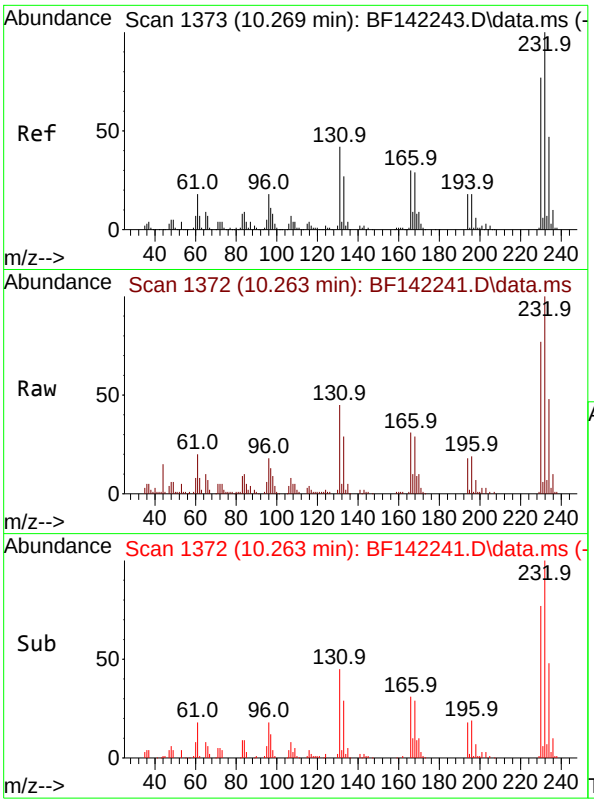


#58
Fluorene
Concen: 10.800 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:166 Resp: 282449

Ion	Ratio	Lower	Upper
166	100		
165	93.3	73.9	110.9
167	13.4	10.8	16.2



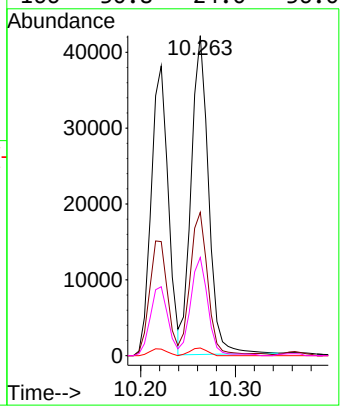


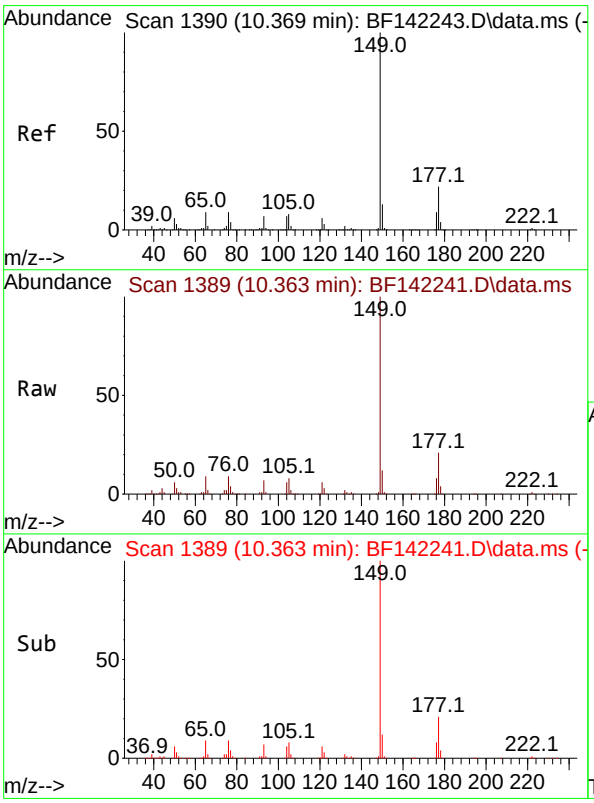
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.775 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 53660

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.9	53.9
130	2.4	1.8	2.6
166	30.8	24.0	36.0

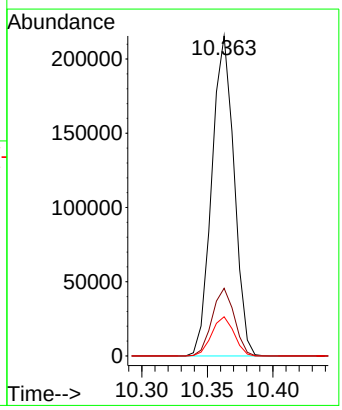


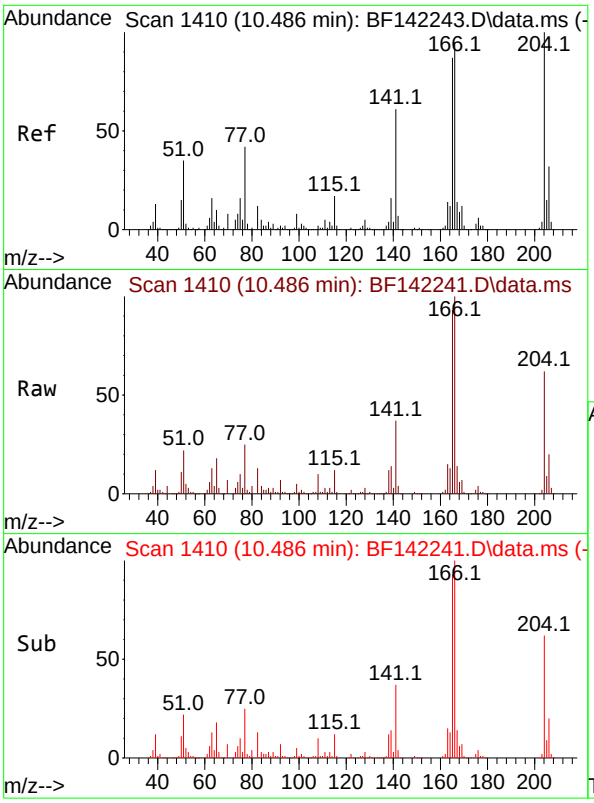


#60
Diethylphthalate
Concen: 10.003 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 254431

Ion	Ratio	Lower	Upper
149	100		
177	21.2	17.6	26.4
150	12.3	10.2	15.2



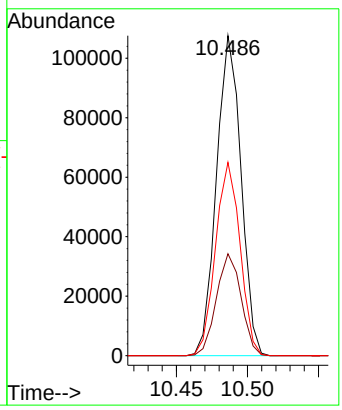


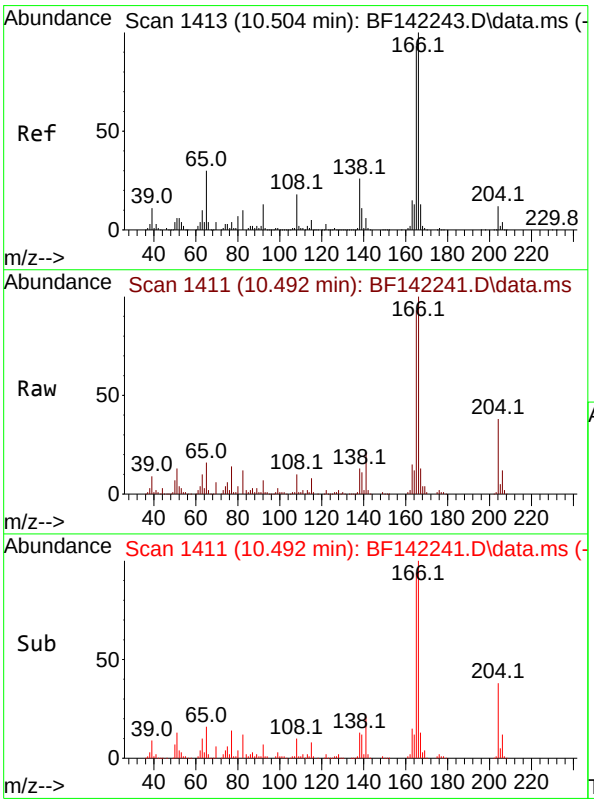
#61
4-Chlorophenyl-phenylether
Concen: 10.398 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 129149

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.6	38.4
141	60.4	48.9	73.3

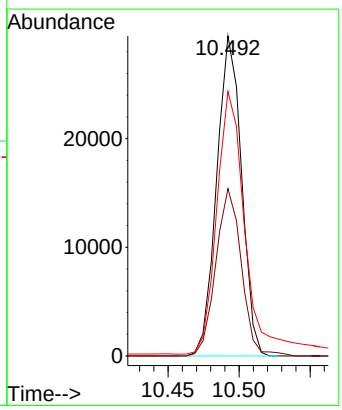


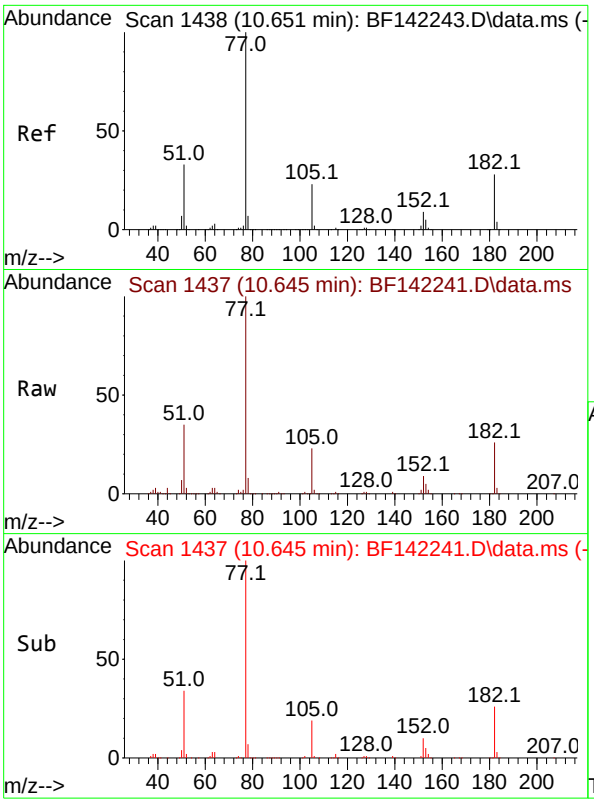


#62
4-Nitroaniline
Concen: 8.911 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:138 Resp: 35703

Ion	Ratio	Lower	Upper
138	100		
92	52.3	29.2	69.2
108	82.7	49.1	89.1



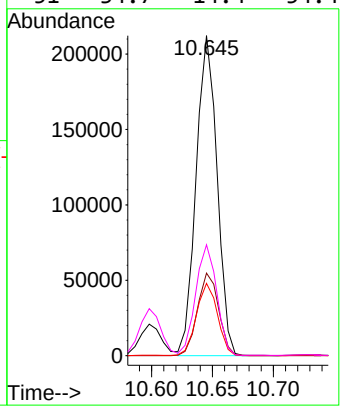


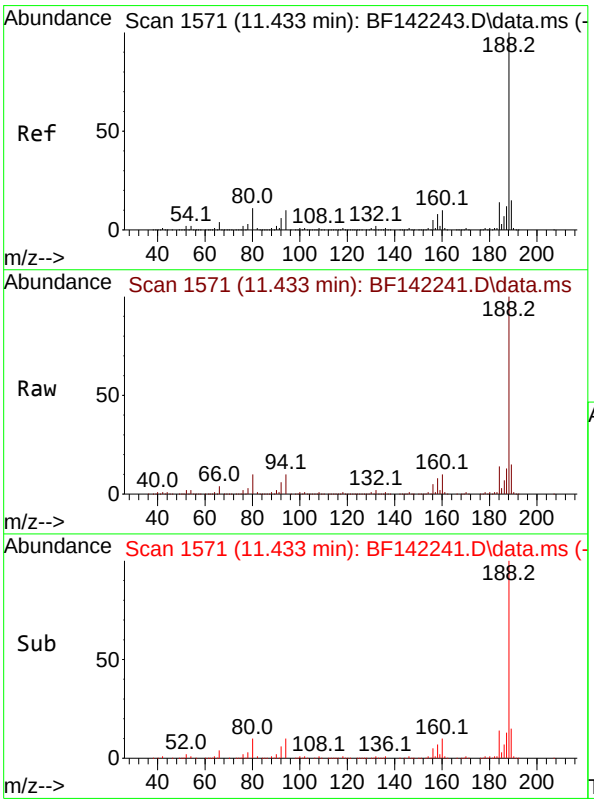
#63
Azobenzene
Concen: 10.102 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 253731

Ion	Ratio	Lower	Upper
77	100		
182	25.8	7.3	47.3
105	22.6	2.5	42.5
51	34.7	14.4	54.4

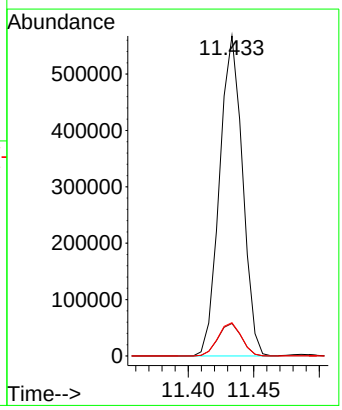


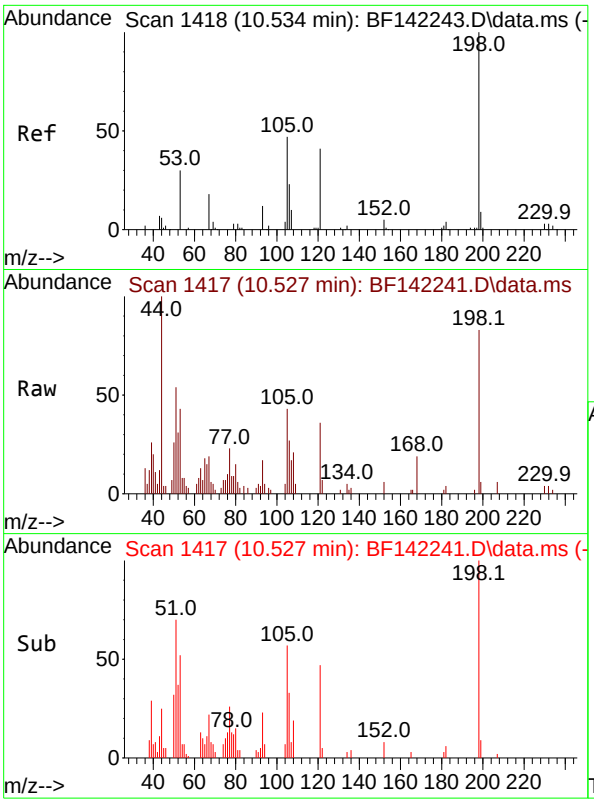


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:188 Resp: 692116

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.2	12.2
80	10.4	8.6	12.8



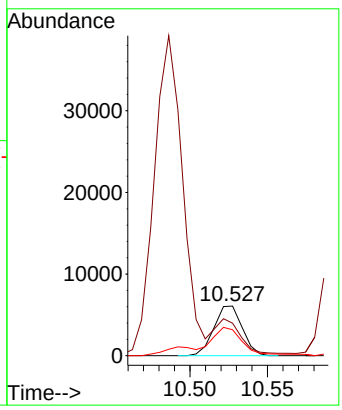


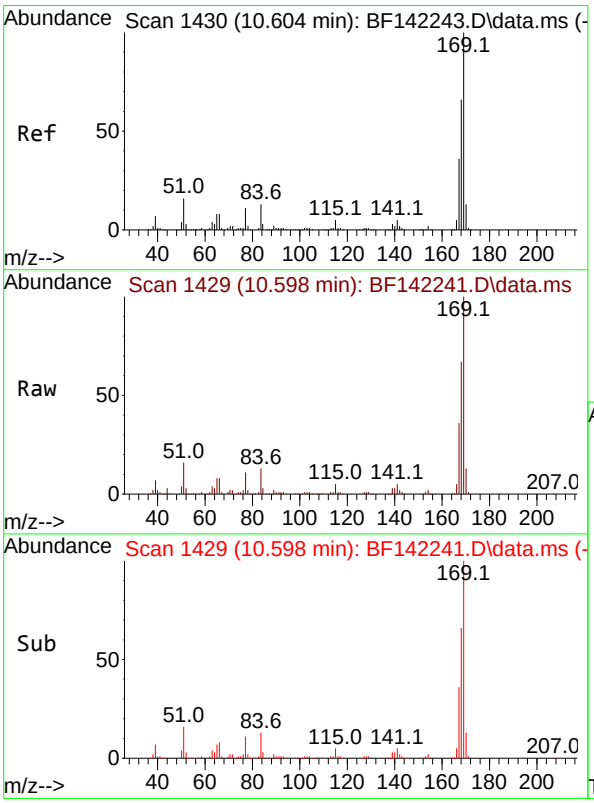
#65
4,6-Dinitro-2-methylphenol
Concen: 13.263 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.007 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 7762

Ion	Ratio	Lower	Upper
198	100		
51	65.4	40.6	80.6
105	52.1	29.2	69.2

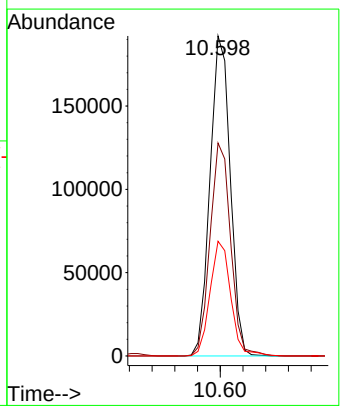


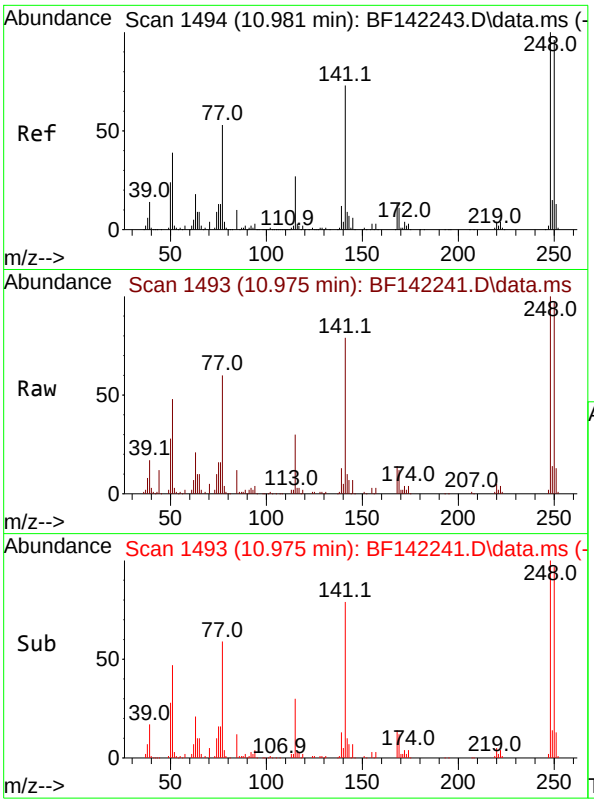


#66
n-Nitrosodiphenylamine
Concen: 10.042 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:169 Resp: 237471

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	35.9	28.8	43.2



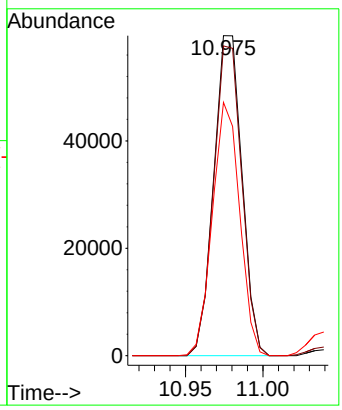


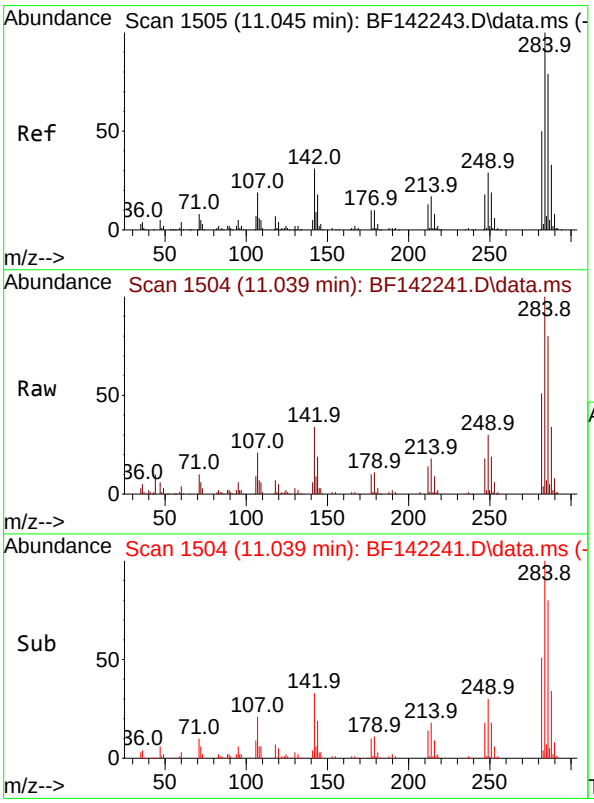
#67
4-Bromophenyl-phenylether
Concen: 9.820 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 75692

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.2	115.8
141	79.1	58.4	87.6

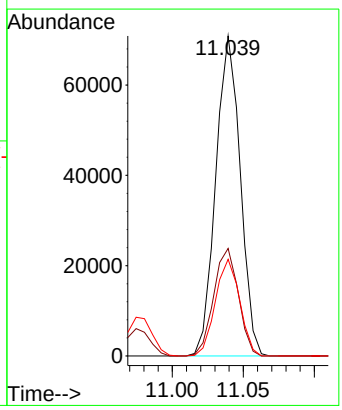


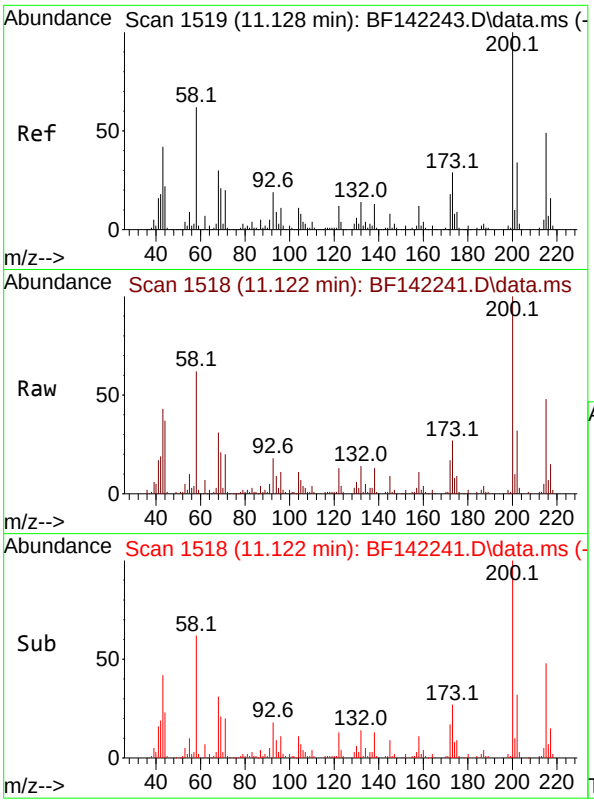


#68
Hexachlorobenzene
Concen: 9.832 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:284 Resp: 84881

Ion	Ratio	Lower	Upper
284	100		
142	33.6	24.6	37.0
249	30.2	23.2	34.8



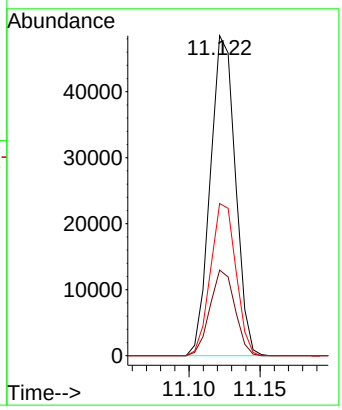


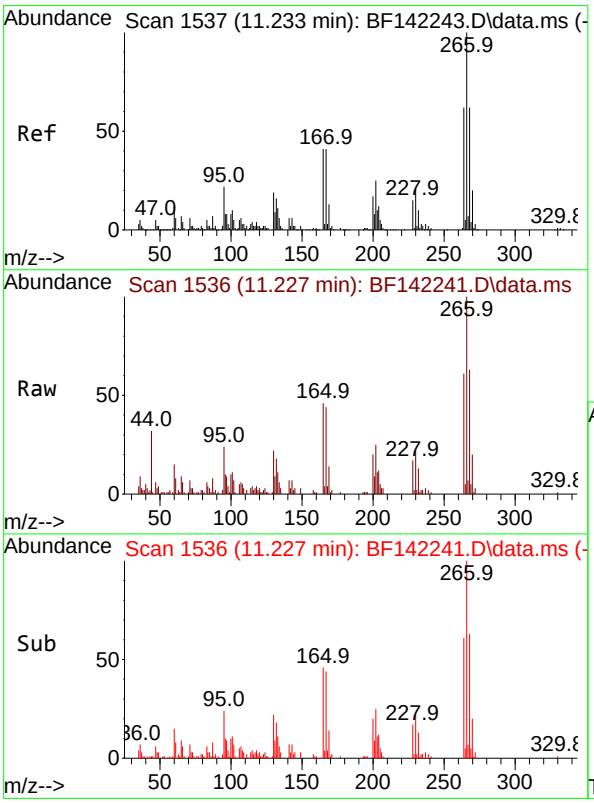
#69
Atrazine
Concen: 9.554 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 59553

Ion	Ratio	Lower	Upper
200	100		
173	26.8	8.6	48.6
215	47.6	28.5	68.5

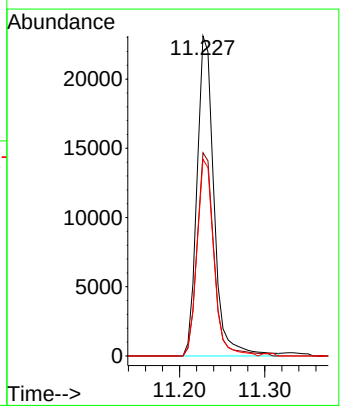


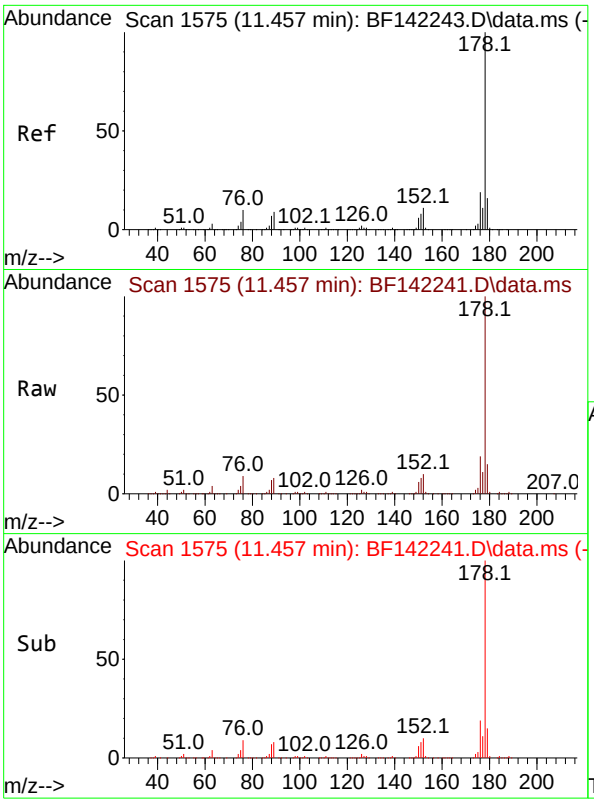


#70
Pentachlorophenol
Concen: 7.029 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:266 Resp: 32058

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.0	75.0
264	61.4	49.3	73.9



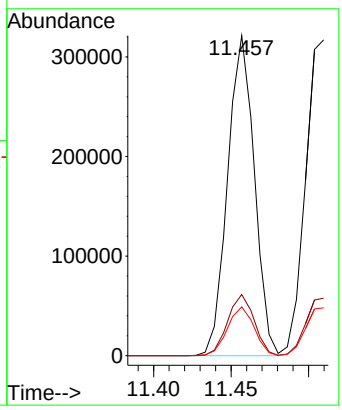


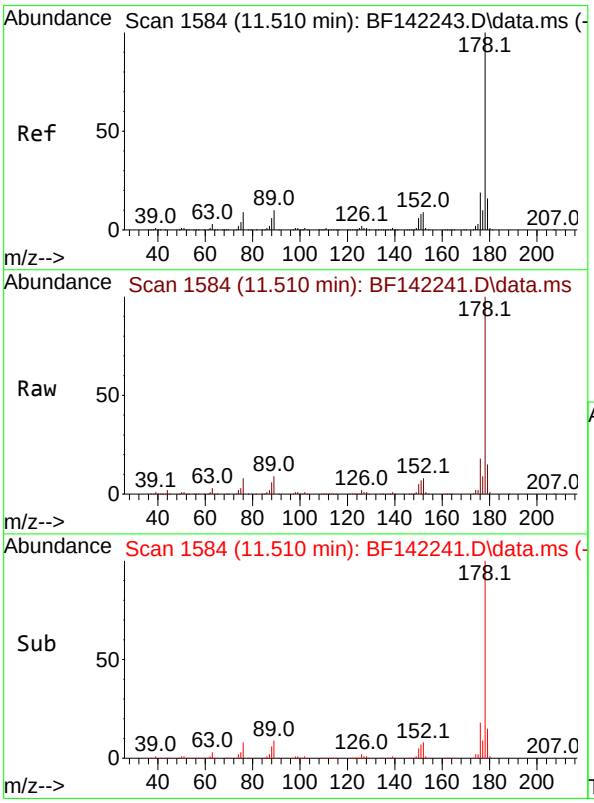
#71
Phenanthrene
Concen: 10.316 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 385677

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.2	12.6	19.0

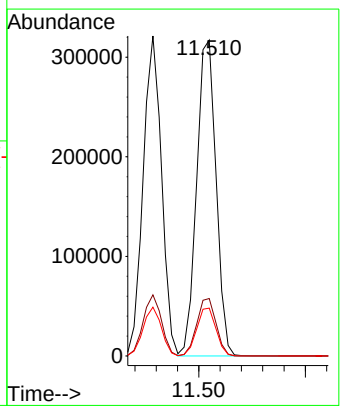


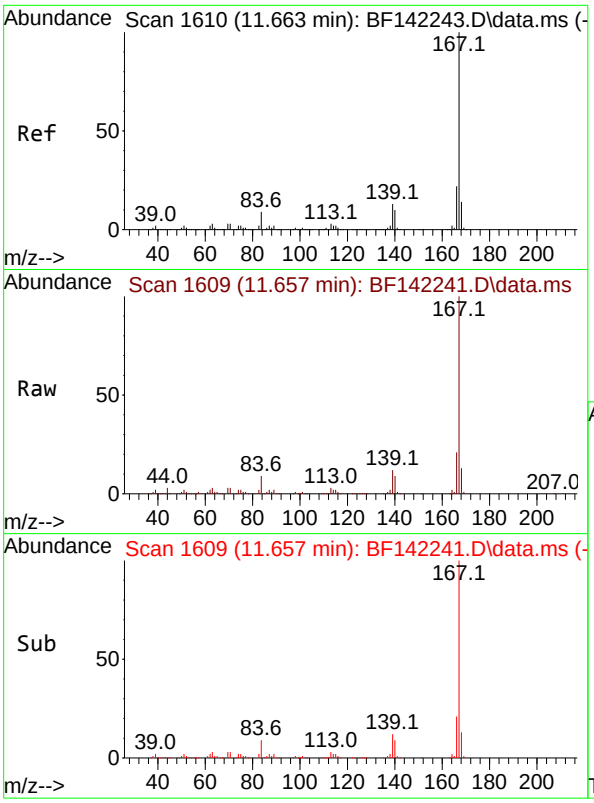


#72
Anthracene
Concen: 10.509 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:178 Resp: 401700

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.1	12.7	19.1



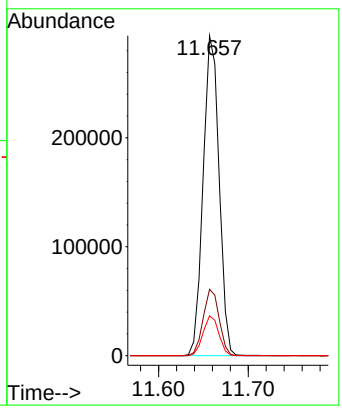


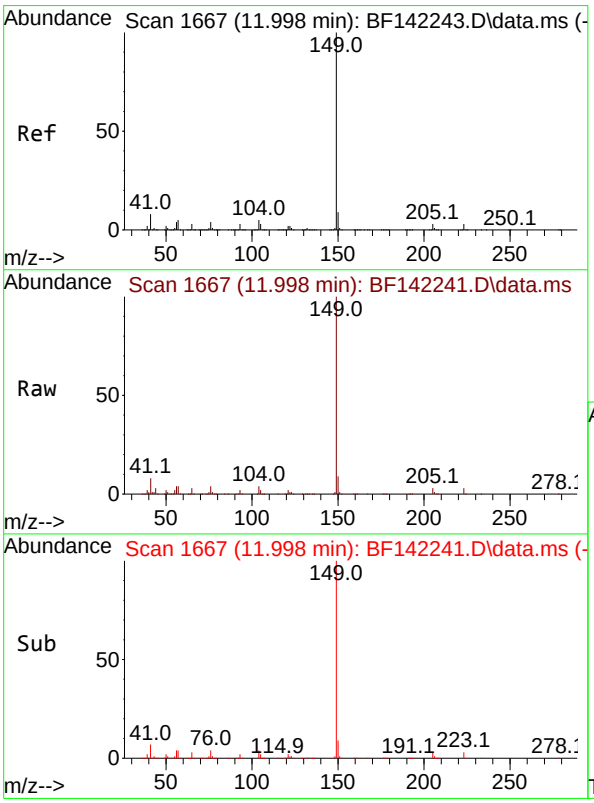
#73
Carbazole
Concen: 10.389 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 362249

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.3	25.9
139	12.5	10.3	15.5

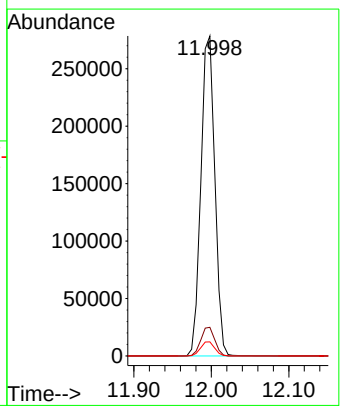


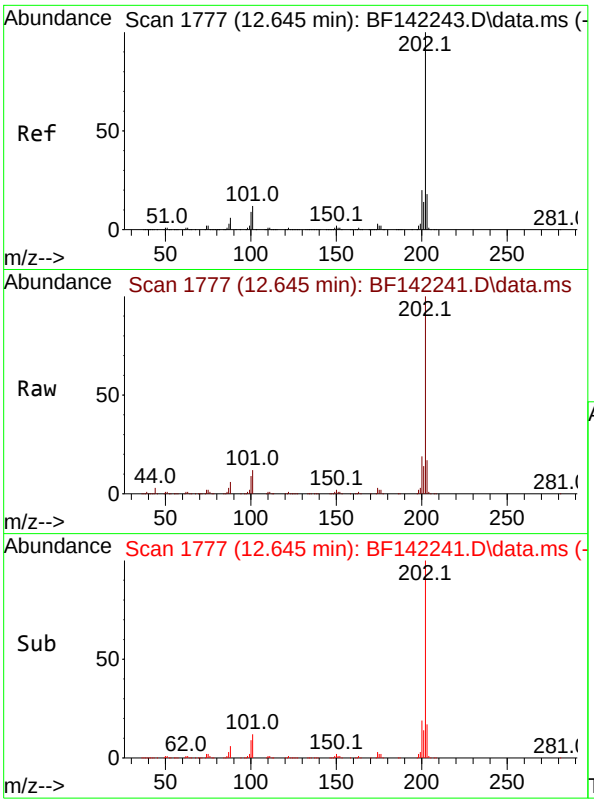


#74
Di-n-butylphthalate
Concen: 9.927 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 348111

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.4	3.6	5.4



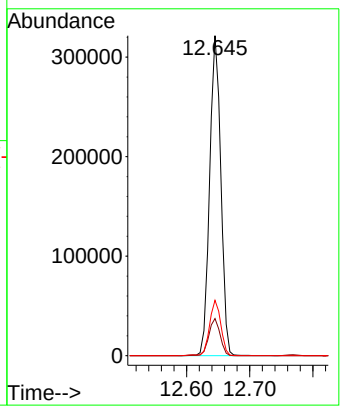


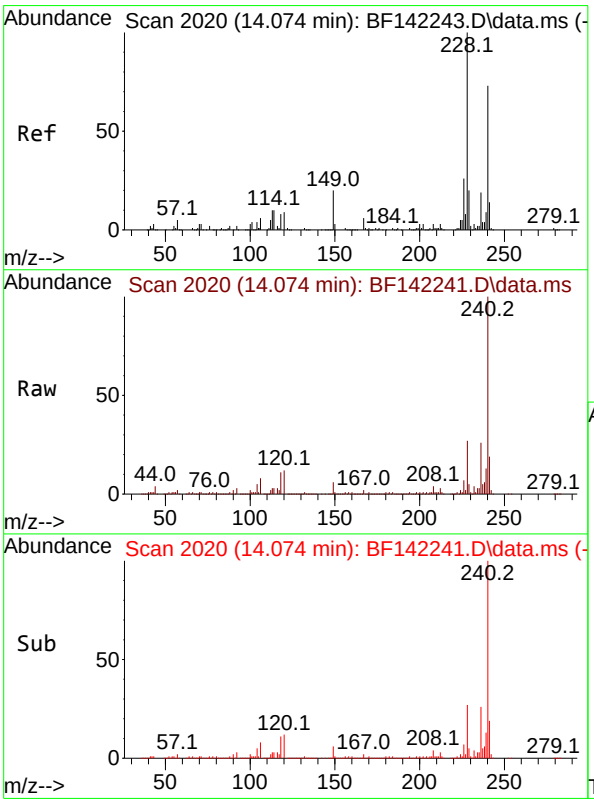
#75
Fluoranthene
Concen: 10.709 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 395757

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.4
203	17.3	0.0	37.5

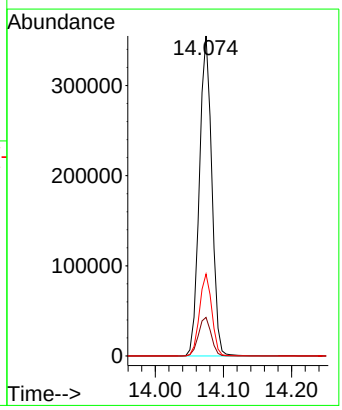


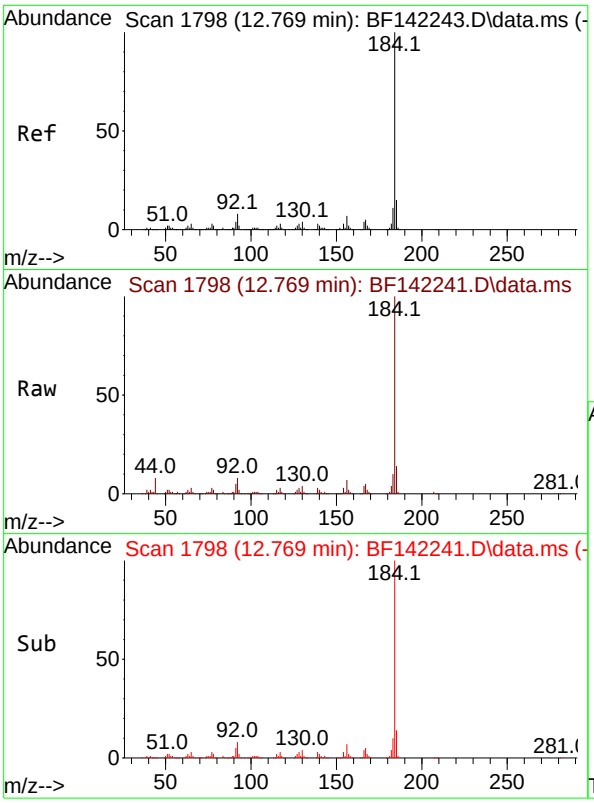


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:240 Resp: 449534

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.1	15.1
236	25.6	20.5	30.7



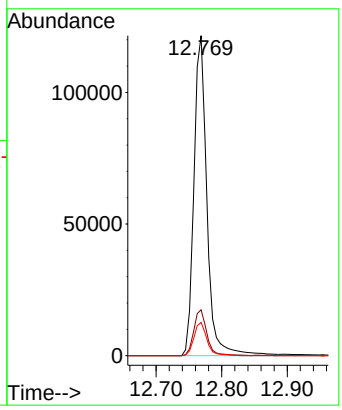


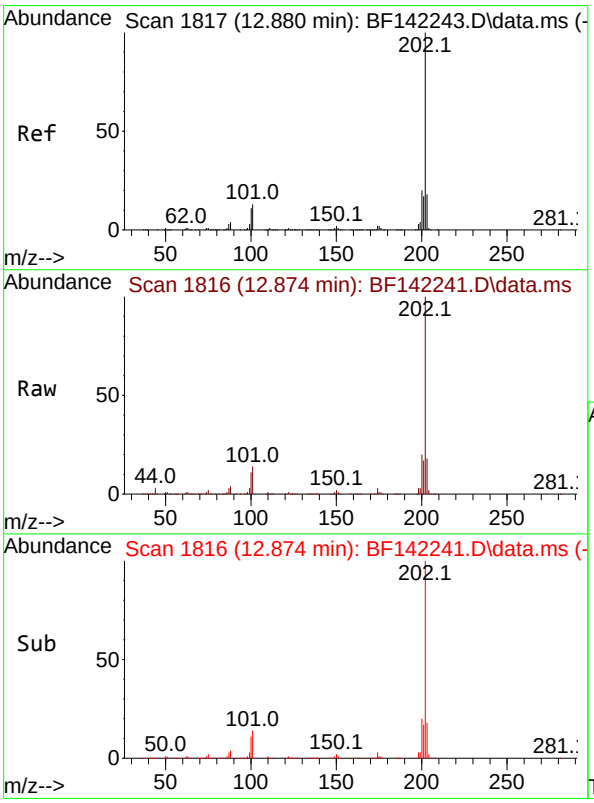
#77
Benzidine
Concen: 8.797 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 168038

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.6
183	10.4	8.9	13.3

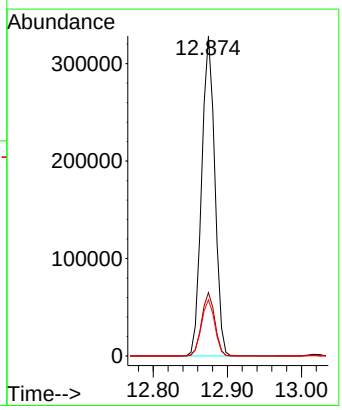


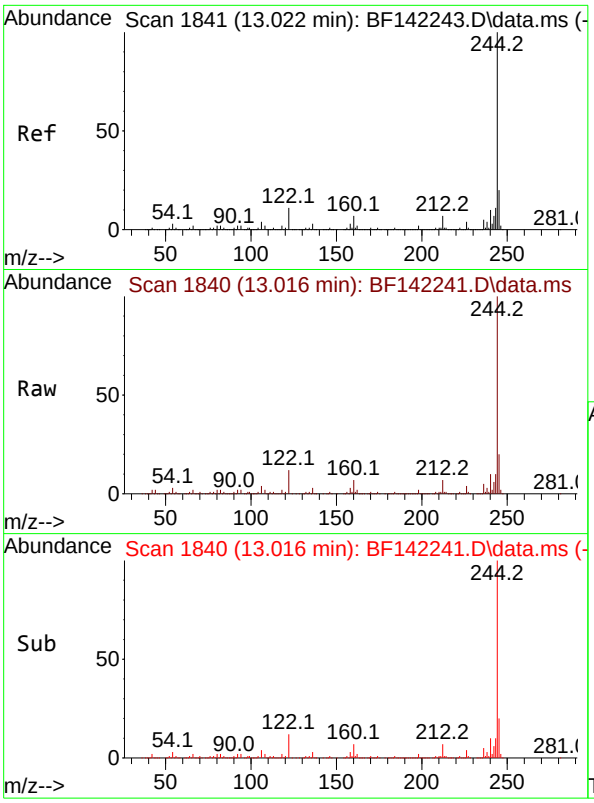


#78
Pyrene
Concen: 9.763 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:202 Resp: 404860

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.1	24.1
203	17.6	14.1	21.1



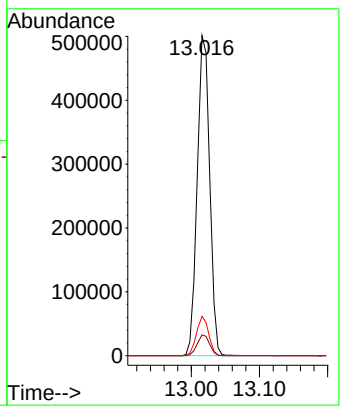


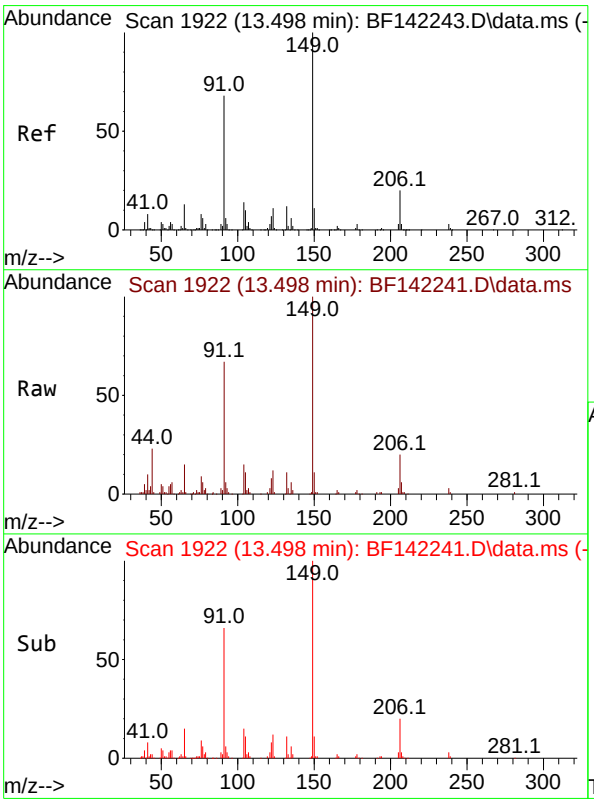
#79
Terphenyl-d14
Concen: 20.552 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 635233

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	12.3	9.1	13.7

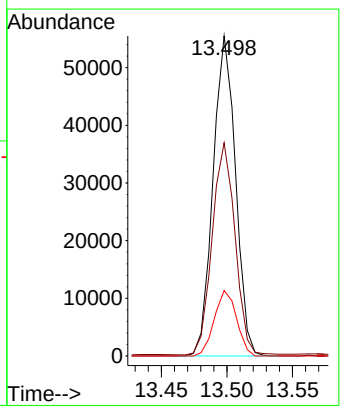


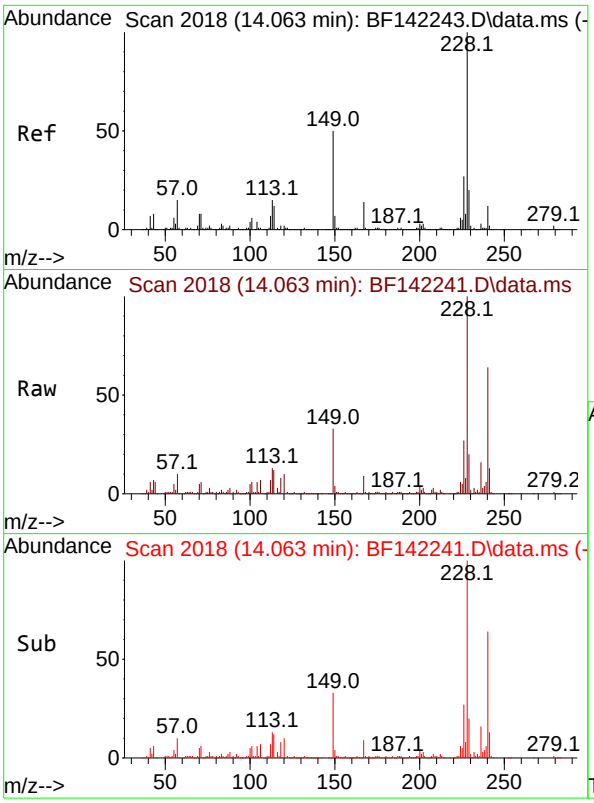


#80
Butylbenzylphthalate
Concen: 9.084 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 65964

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.4	81.6
206	20.5	15.9	23.9



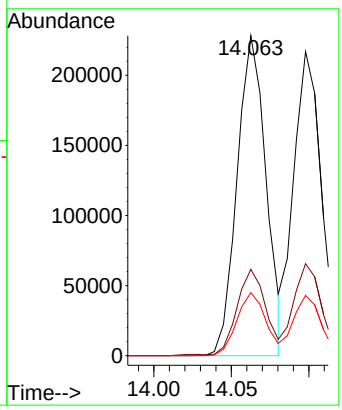


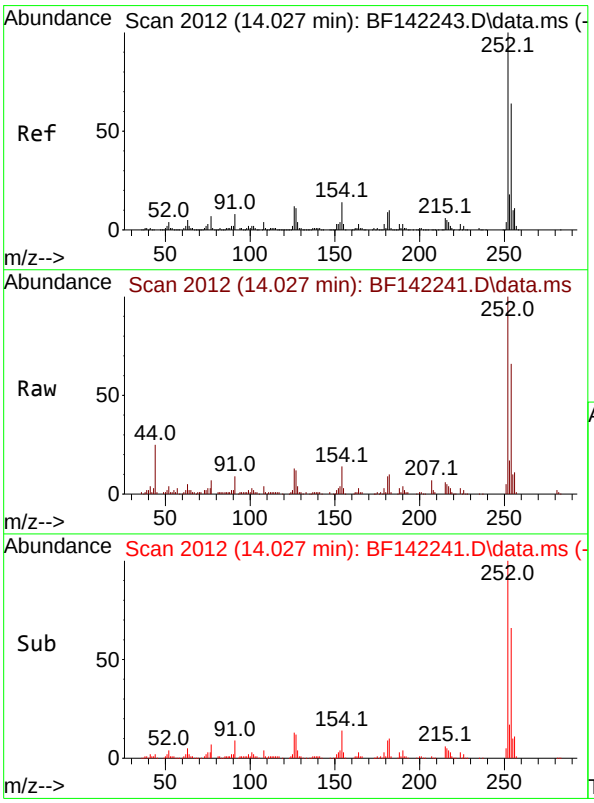
#81
Benzo(a)anthracene
Concen: 9.832 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 296710

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	19.7	16.0	24.0

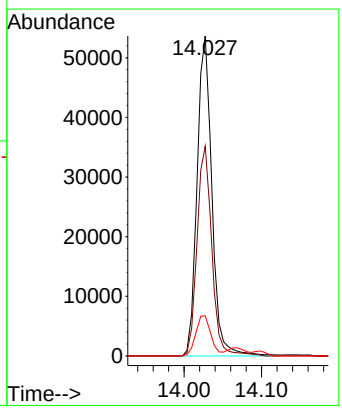


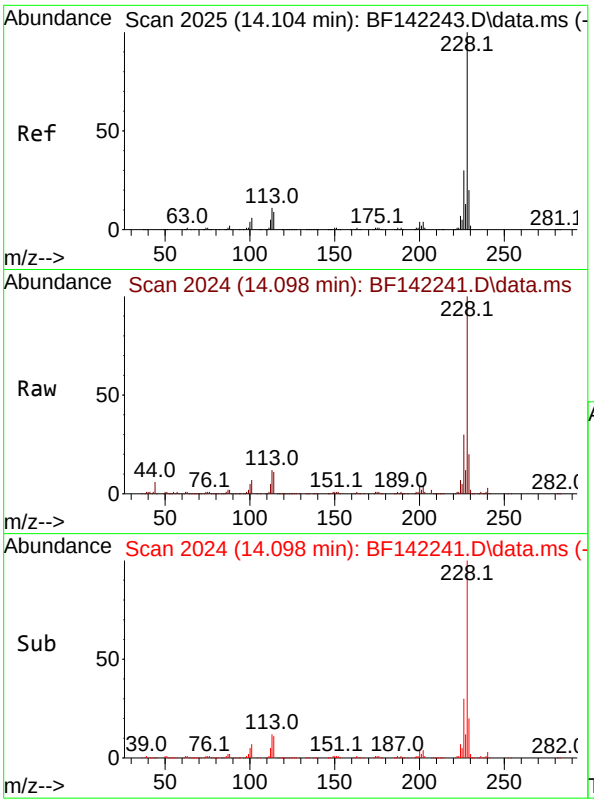


#82
3,3'-Dichlorobenzidine
Concen: 8.046 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:252 Resp: 71321

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.0	76.6
126	12.5	9.4	14.2



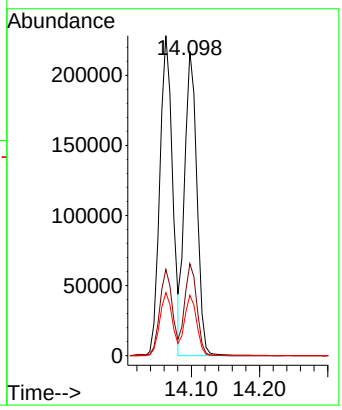


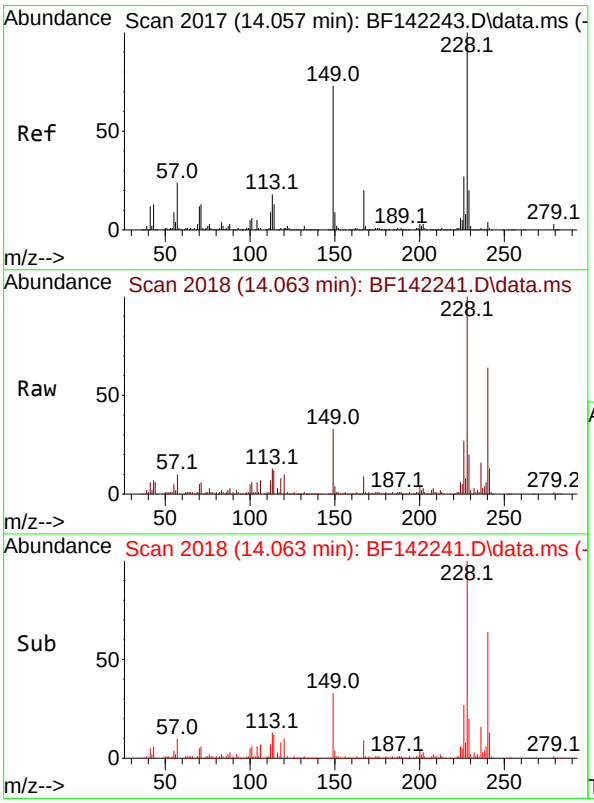
#83
Chrysene
Concen: 9.897 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 271875

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.8	15.7	23.5

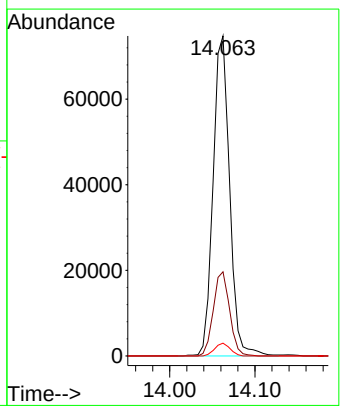


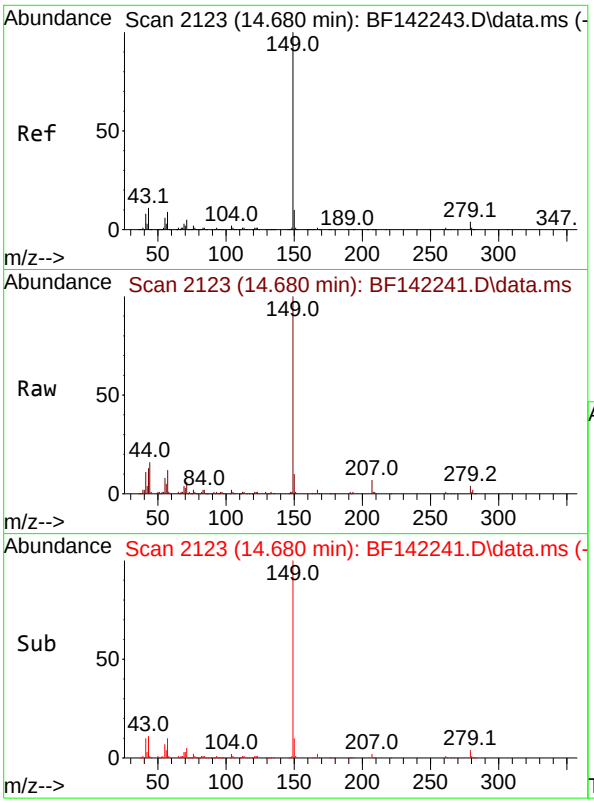


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.409 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:149 Resp: 100777

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.7	32.5
279	4.0	3.0	4.4



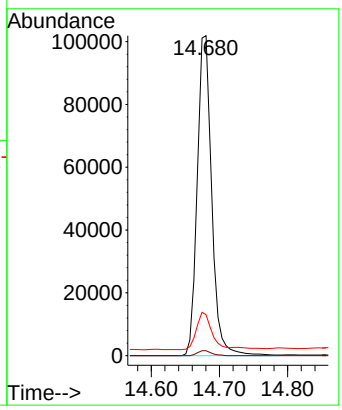


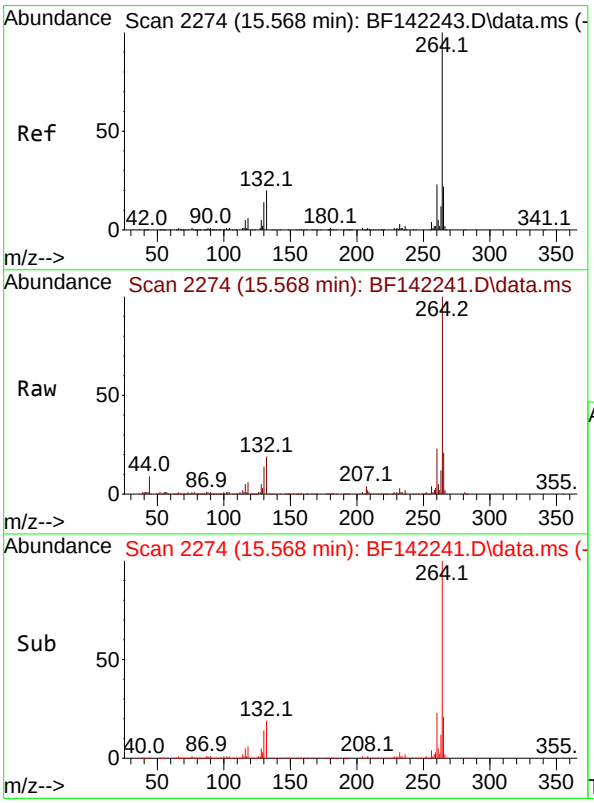
#85
Di-n-octyl phthalate
Concen: 10.622 ng
RT: 14.680 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 150072

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.1	9.3	13.9

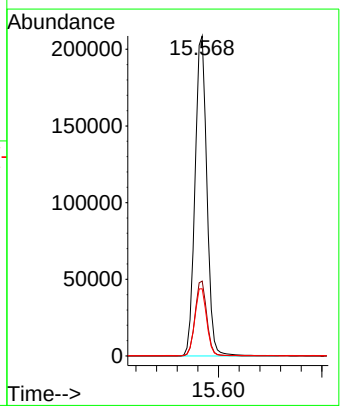


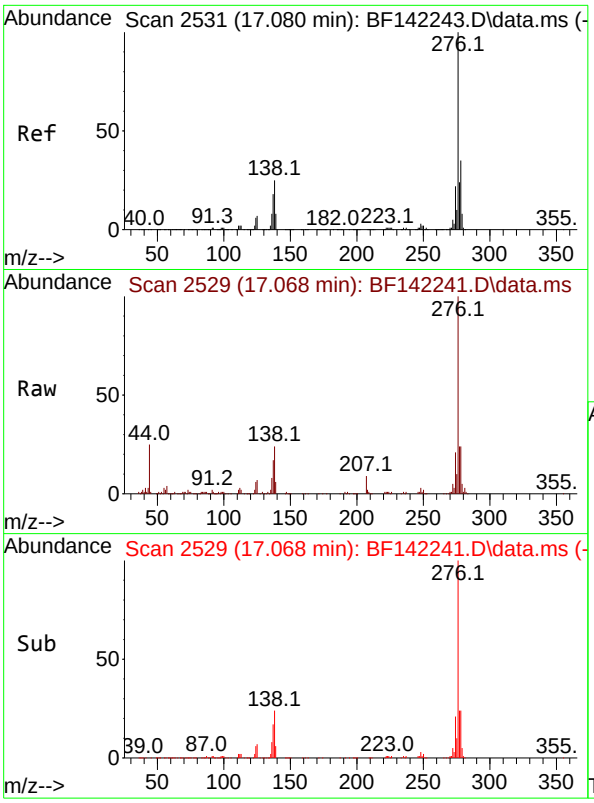


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:264 Resp: 332067

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	21.0	17.3	25.9



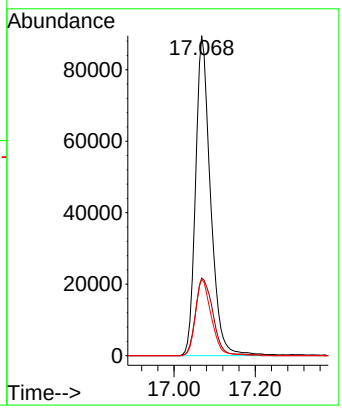


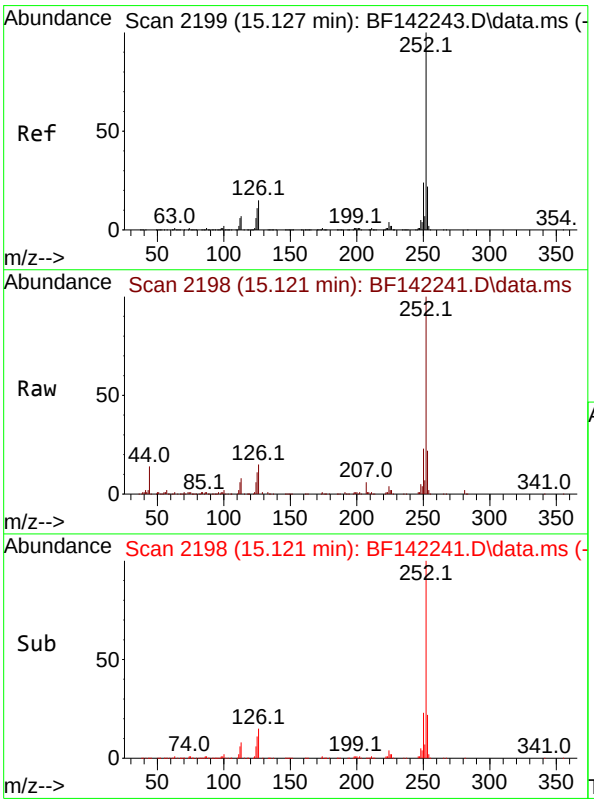
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.449 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 229818

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	33.8
277	25.1	20.1	30.1

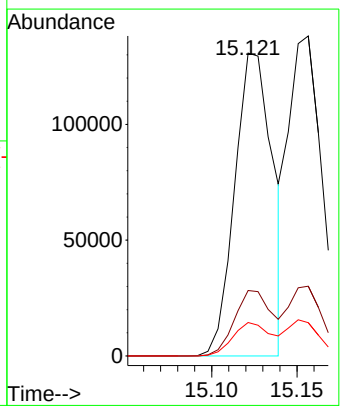


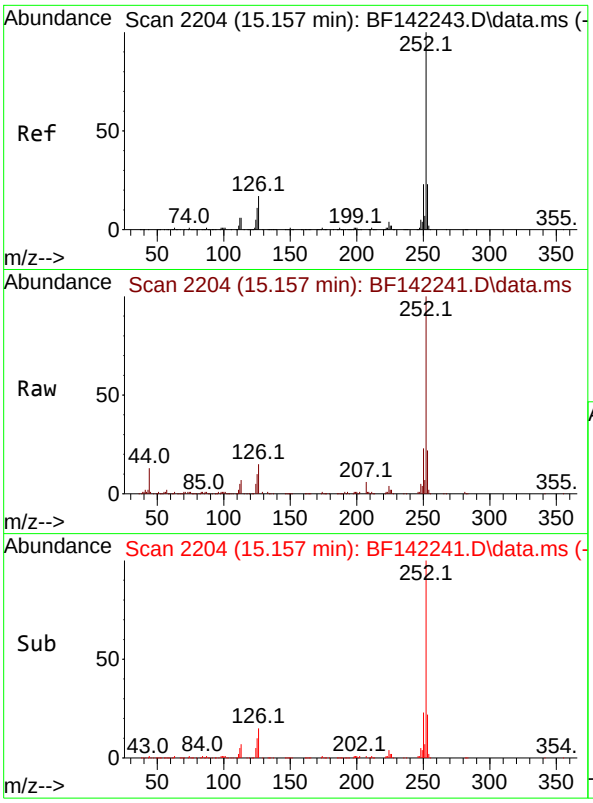


#88
Benzo(b)fluoranthene
Concen: 9.823 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:252 Resp: 202615

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.1	9.0	13.4



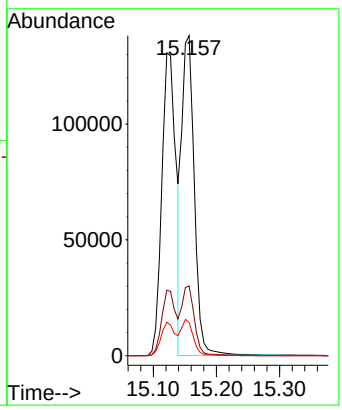


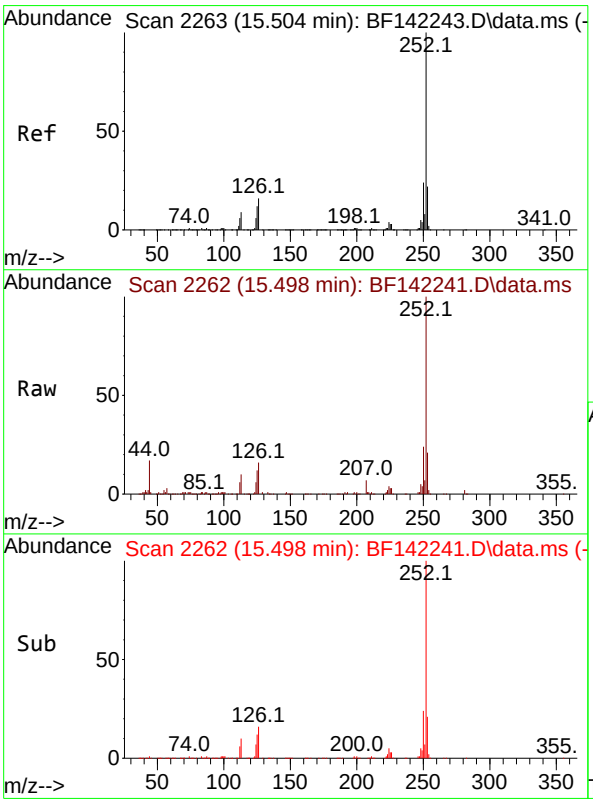
#89
Benzo(k)fluoranthene
Concen: 10.203 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 192500

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.4	9.0	13.6

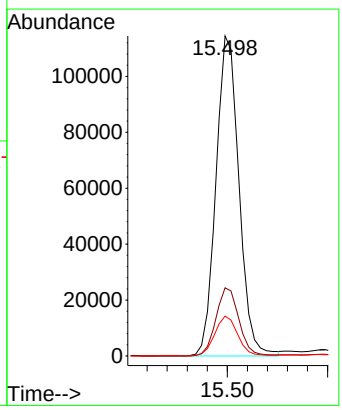


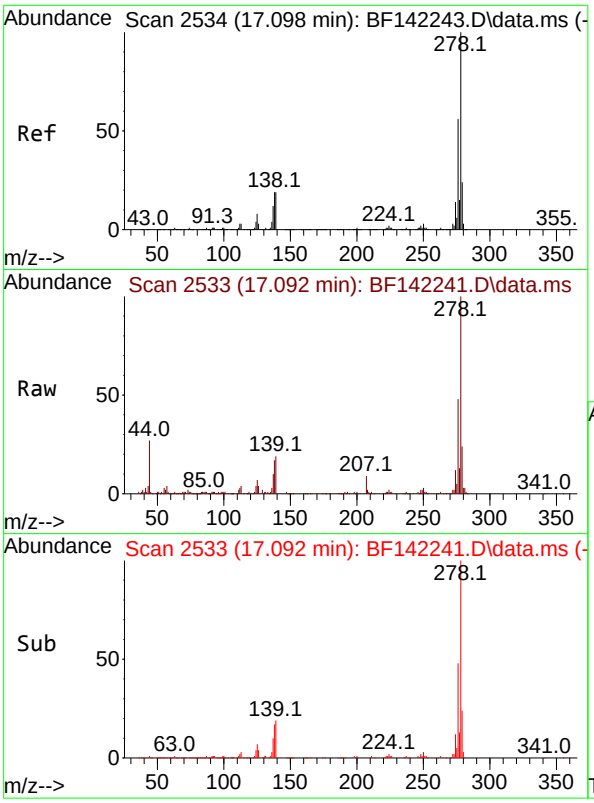


#90
Benzo(a)pyrene
Concen: 9.651 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:252 Resp: 182258

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	12.5	9.5	14.3



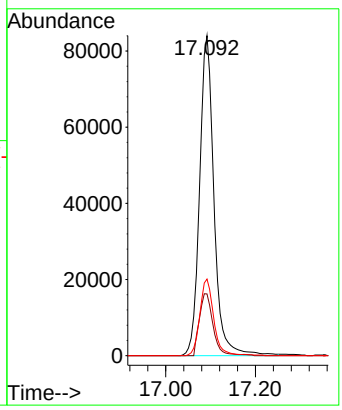


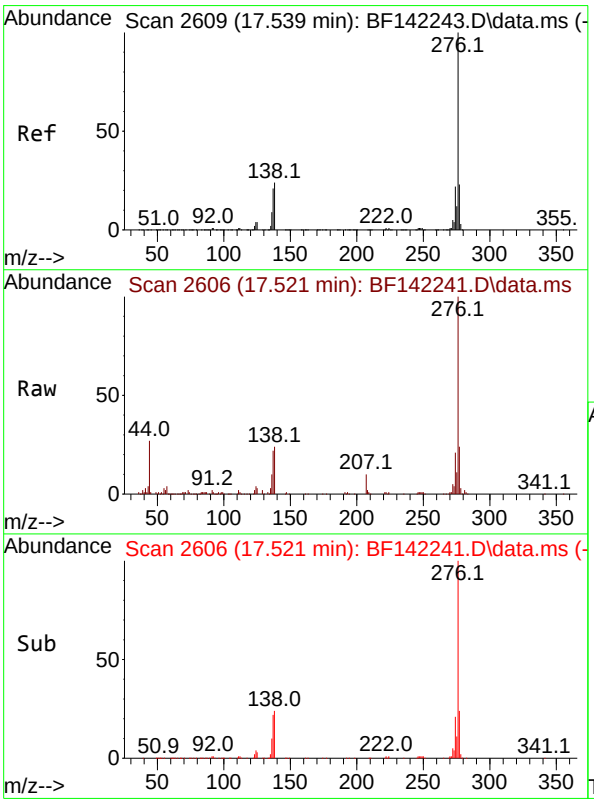
#91
Dibenzo(a,h)anthracene
Concen: 9.513 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 187788

Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.2	22.8
279	24.0	19.0	28.6

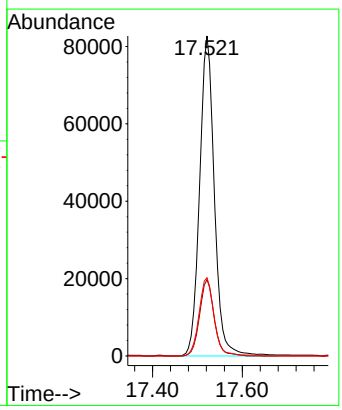




#92
Benzo(g,h,i)perylene
Concen: 9.518 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142241.D
Acq: 30 Apr 2025 12:20

Tgt Ion:276 Resp: 188891

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	24.4	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142242.D
Acq On : 30 Apr 2025 12:49
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 30 15:42:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	194641	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	746567	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	398805	20.000	ng	0.00
64) Phenanthrene-d10	11.434	188	679379	20.000	ng	0.00
76) Chrysene-d12	14.075	240	430351	20.000	ng	0.00
86) Perylene-d12	15.569	264	350840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	492356	40.399	ng	0.00
7) Phenol-d6	6.516	99	597221	40.580	ng	-0.01
23) Nitrobenzene-d5	7.469	82	450837	39.673	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	146779	40.372	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1212743	42.876	ng	0.00
79) Terphenyl-d14	13.022	244	1223735	41.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	109201	20.062	ng	100
3) Pyridine	3.458	79	282987	20.004	ng	100
4) n-Nitrosodimethylamine	3.399	42	141737	19.361	ng	97
6) Aniline	6.569	93	419797	20.152	ng	99
8) 2-Chlorophenol	6.687	128	253840	20.156	ng	99
9) Benzaldehyde	6.457	77	213052	20.712	ng	98
10) Phenol	6.534	94	322435	20.352	ng	98
11) bis(2-Chloroethyl)ether	6.640	93	247179	20.132	ng	99
12) 1,3-Dichlorobenzene	6.851	146	289129	20.294	ng	100
13) 1,4-Dichlorobenzene	6.928	146	290927	20.268	ng	99
14) 1,2-Dichlorobenzene	7.081	146	278592	20.331	ng	99
15) Benzyl Alcohol	7.040	79	207042	19.835	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	448250	20.218	ng	99
17) 2-Methylphenol	7.146	107	207957	20.157	ng	99
18) Hexachloroethane	7.422	117	93572	19.917	ng	96
19) n-Nitroso-di-n-propyla...	7.316	70	184776	20.318	ng	99
20) 3+4-Methylphenols	7.298	107	267057	20.700	ng	96
22) Acetophenone	7.310	105	360484	20.872	ng	98
24) Nitrobenzene	7.487	77	221499	19.865	ng	98
25) Isophorone	7.722	82	479096	20.088	ng	99
26) 2-Nitrophenol	7.804	139	61615	17.893	ng	98
27) 2,4-Dimethylphenol	7.834	122	248864	20.696	ng	97
28) bis(2-Chloroethoxy)met...	7.934	93	309073	20.549	ng	99
29) 2,4-Dichlorophenol	8.040	162	204821	20.374	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	227898	20.315	ng	100
31) Naphthalene	8.210	128	772839	20.758	ng	100
32) Benzoic acid	7.904	122	64656m	19.412	ng	
33) 4-Chloroaniline	8.257	127	320218	20.654	ng	99
34) Hexachlorobutadiene	8.334	225	133474	20.393	ng	99
35) Caprolactam	8.604	113	60791	20.118	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	208419	20.190	ng	99
37) 2-Methylnaphthalene	8.904	142	472896	20.658	ng	100
38) 1-Methylnaphthalene	9.004	142	497635	20.985	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	228311	20.342	ng	99
41) Hexachlorocyclopentadiene	9.057	237	121953	19.145	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	140807	20.246	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142242.D
Acq On : 30 Apr 2025 12:49
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:42:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	144462	19.756	ng		99
46) 1,1'-Biphenyl	9.369	154	643017	20.740	ng		99
47) 2-Chloronaphthalene	9.392	162	474899	20.588	ng		98
48) 2-Nitroaniline	9.481	65	90798	18.213	ng		97
49) Acenaphthylene	9.810	152	807654	20.749	ng		99
50) Dimethylphthalate	9.663	163	518802	20.334	ng		100
51) 2,6-Dinitrotoluene	9.722	165	76955	18.432	ng		93
52) Acenaphthene	9.981	154	460927	20.281	ng		100
53) 3-Nitroaniline	9.892	138	100560	18.959	ng	#	95
54) 2,4-Dinitrophenol	9.992	184	14553	18.804	ng	#	1
55) Dibenzofuran	10.151	168	698155	20.493	ng		100
56) 4-Nitrophenol	10.034	139	70423	17.561	ng		97
57) 2,4-Dinitrotoluene	10.122	165	84812	17.844	ng		95
58) Fluorene	10.492	166	538647	20.793	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	124353	20.530	ng		99
60) Diethylphthalate	10.363	149	519294	20.611	ng		98
61) 4-Chlorophenyl-phenyle...	10.486	204	252213	20.502	ng		99
62) 4-Nitroaniline	10.498	138	92884	18.933	ng		97
63) Azobenzene	10.645	77	508482	20.438	ng		98
65) 4,6-Dinitro-2-methylph...	10.528	198	23400	18.756	ng		98
66) n-Nitrosodiphenylamine	10.604	169	470767	20.280	ng		100
67) 4-Bromophenyl-phenylether	10.981	248	151720	20.053	ng		99
68) Hexachlorobenzene	11.039	284	168767	19.916	ng		97
69) Atrazine	11.128	200	126444	20.665	ng		99
70) Pentachlorophenol	11.228	266	81929	18.301	ng		99
71) Phenanthrene	11.457	178	760476	20.723	ng		99
72) Anthracene	11.510	178	782215	20.848	ng		99
73) Carbazole	11.657	167	720775	21.059	ng		99
74) Di-n-butylphthalate	11.998	149	739011	21.469	ng		99
75) Fluoranthene	12.645	202	784880	21.636	ng		100
77) Benzidine	12.769	184	381034	20.837	ng		99
78) Pyrene	12.875	202	795806	20.046	ng		100
80) Butylbenzylphthalate	13.498	149	174268	18.529	ng		99
81) Benzo(a)anthracene	14.063	228	573438	19.849	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	163359	19.251	ng		100
83) Chrysene	14.098	228	537388	20.435	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	236325	18.042	ng		100
85) Di-n-octyl phthalate	14.674	149	376362	17.998	ng		98
87) Indeno(1,2,3-cd)pyrene	17.074	276	514496	20.021	ng		99
88) Benzo(b)fluoranthene	15.127	252	423694	19.442	ng		98
89) Benzo(k)fluoranthene	15.157	252	428646	21.504	ng		98
90) Benzo(a)pyrene	15.504	252	402101	20.154	ng		99
91) Dibenzo(a,h)anthracene	17.092	278	420029	20.139	ng		98
92) Benzo(g,h,i)perylene	17.527	276	422497	20.150	ng		100

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

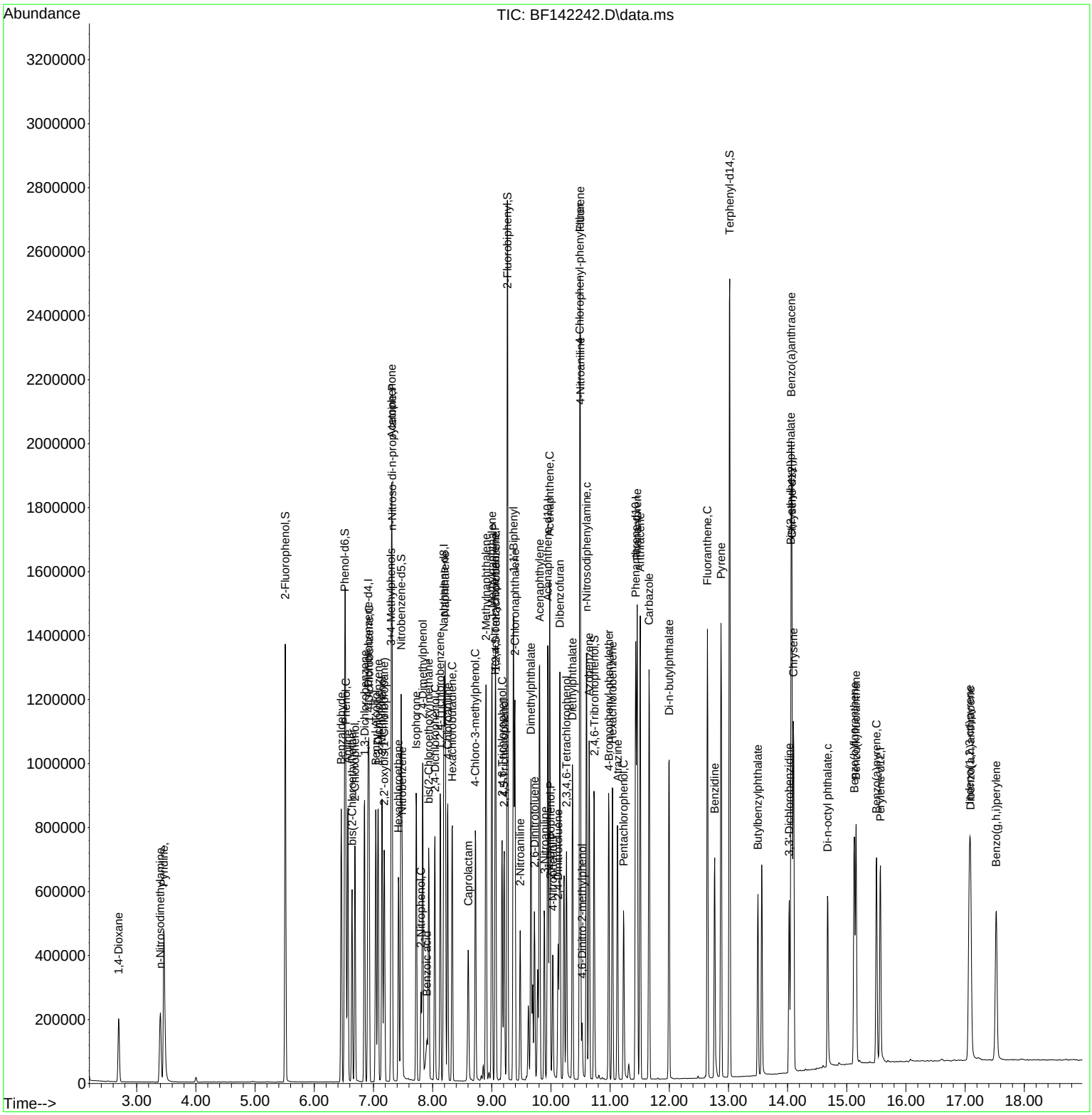
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142242.D
Acq On : 30 Apr 2025 12:49
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

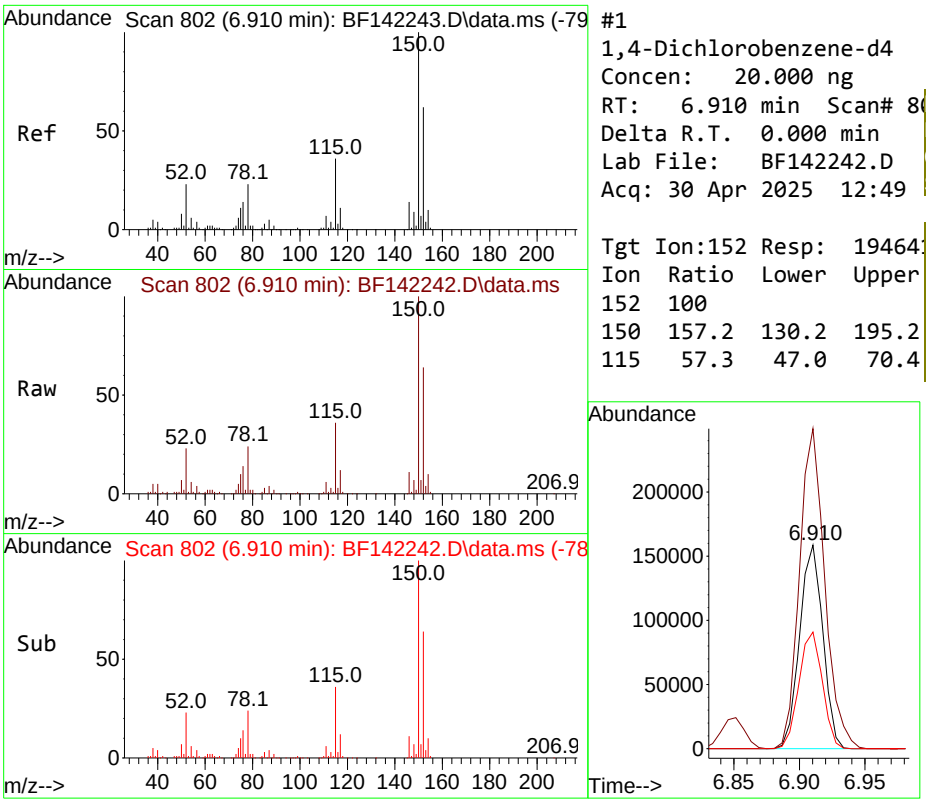
Quant Time: Apr 30 15:42:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:152 Resp: 19464

Ion	Ratio	Lower	Upper
152	100		
150	157.2	130.2	195.2
115	57.3	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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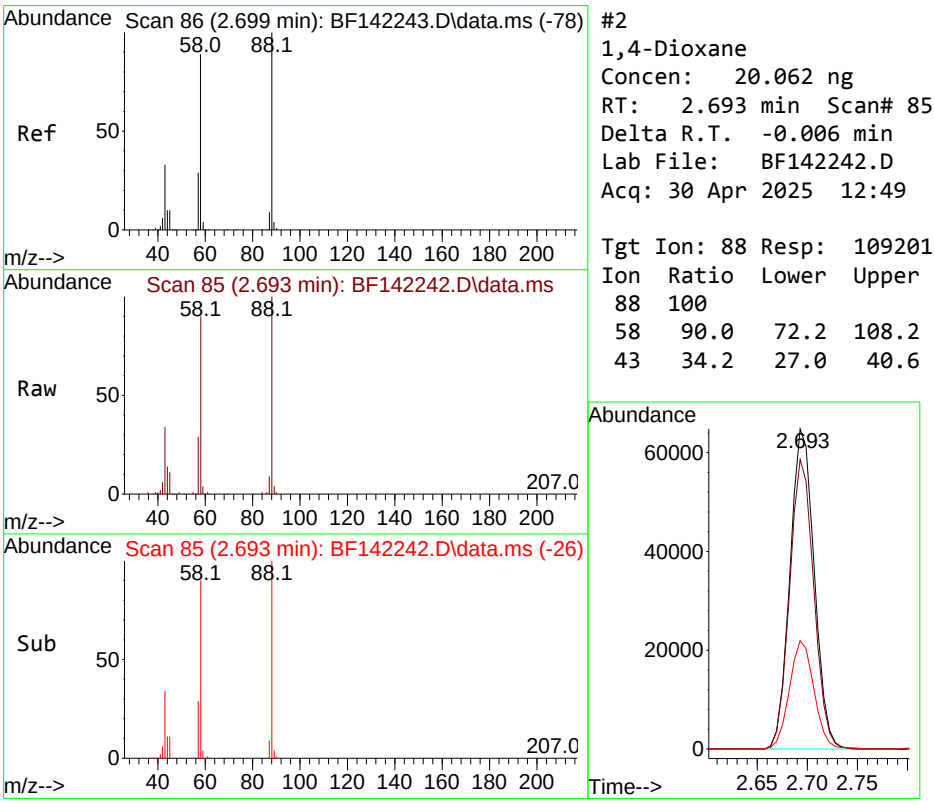
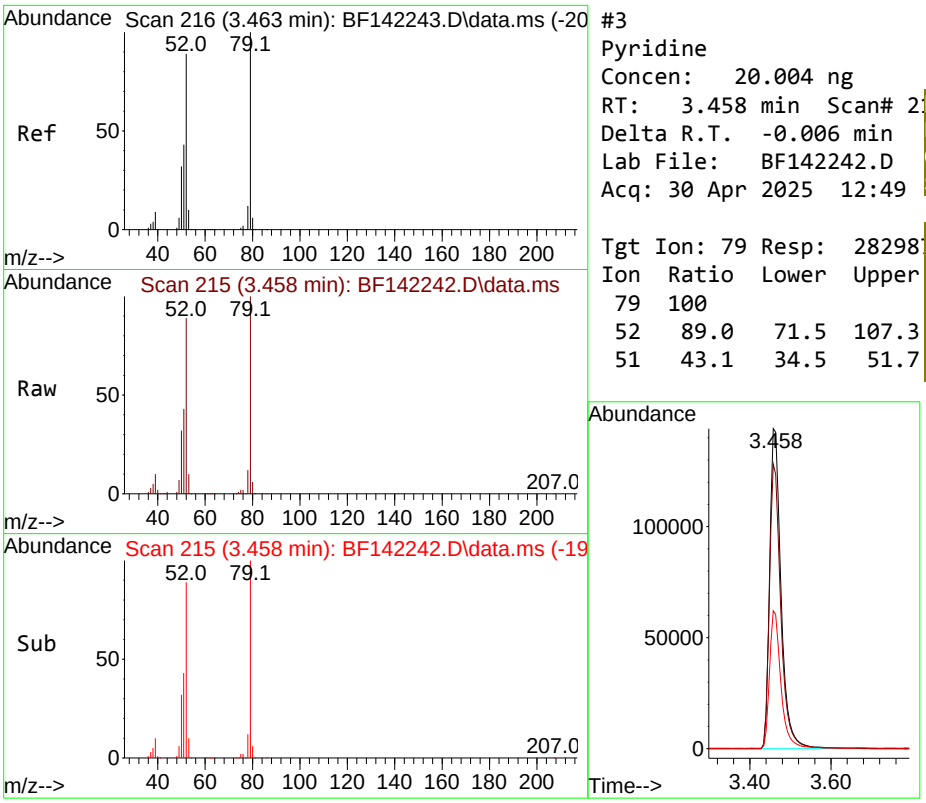


#2
1,4-Dioxane
Concen: 20.062 ng
RT: 2.693 min Scan# 85
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 88 Resp: 109201

Ion	Ratio	Lower	Upper
88	100		
58	90.0	72.2	108.2
43	34.2	27.0	40.6



#3
Pyridine
Concen: 20.004 ng
RT: 3.458 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 79 Resp: 28298

Ion	Ratio	Lower	Upper
79	100		
52	89.0	71.5	107.3
51	43.1	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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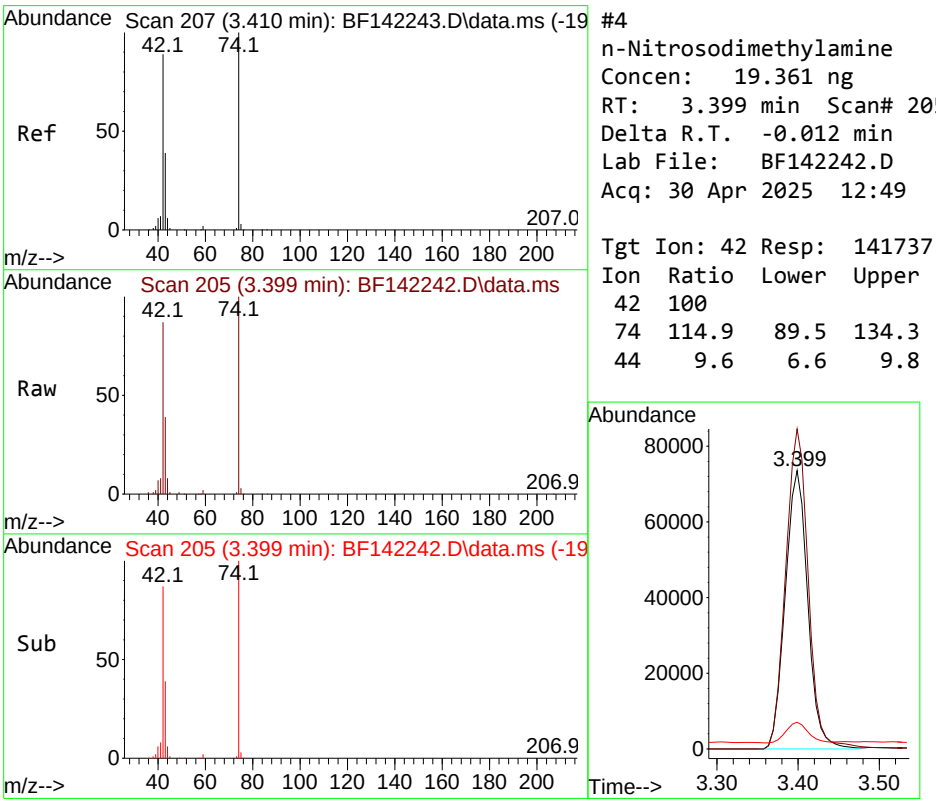
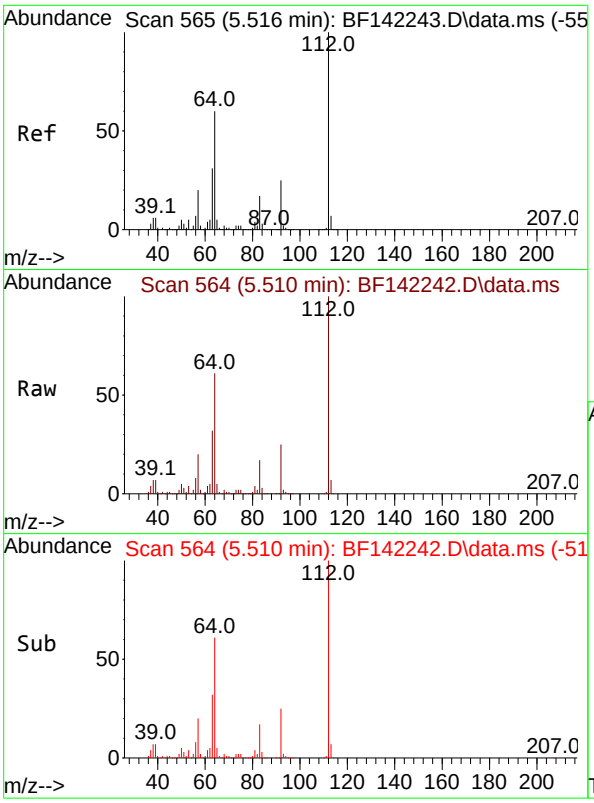


#4
n-Nitrosodimethylamine
Concen: 19.361 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.012 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 42 Resp: 141737

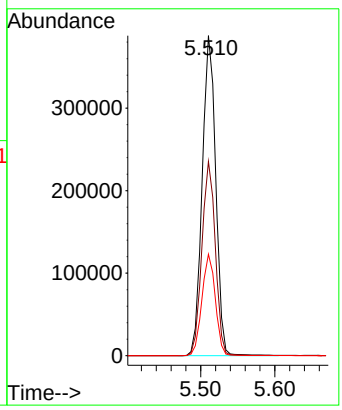
Ion	Ratio	Lower	Upper
42	100		
74	114.9	89.5	134.3
44	9.6	6.6	9.8



#5
2-Fluorophenol
Concen: 40.399 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:112 Resp: 49235

Ion	Ratio	Lower	Upper
112	100		
64	60.7	48.4	72.6
63	31.7	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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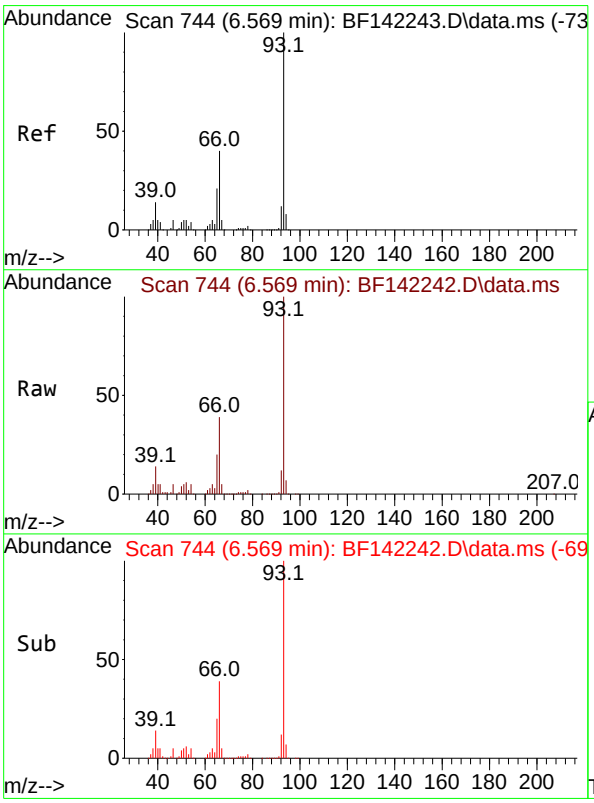
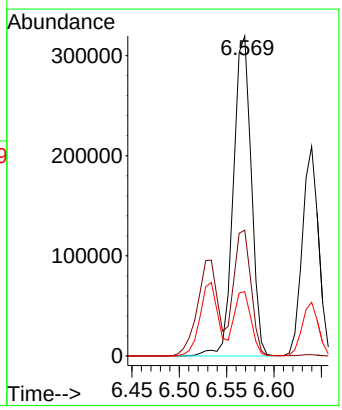
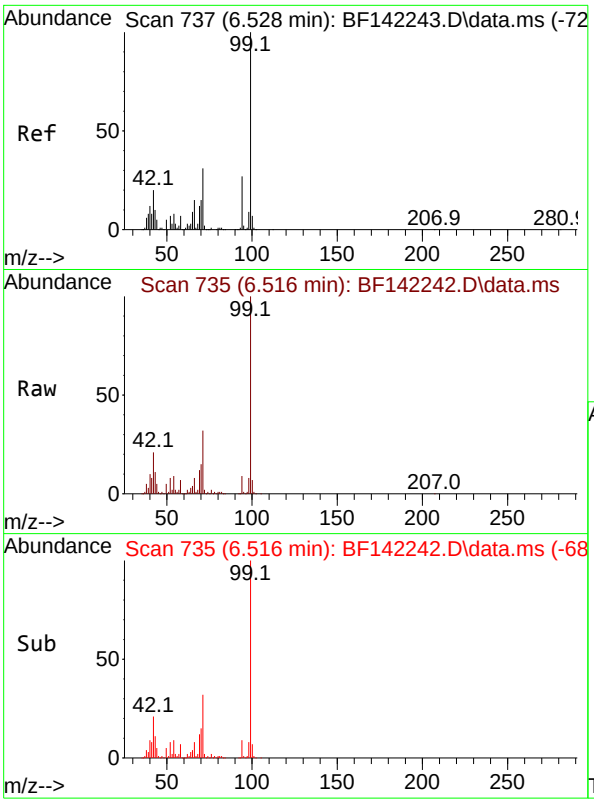


#6
Aniline
Concen: 20.152 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 93 Resp: 419797

Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.1	48.1
65	20.1	16.6	24.8

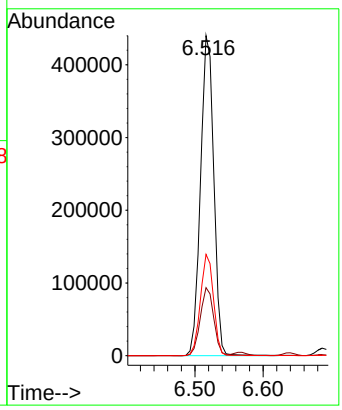




#7
Phenol-d6
Concen: 40.580 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 99 Resp: 59722

Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.3	24.5
71	31.6	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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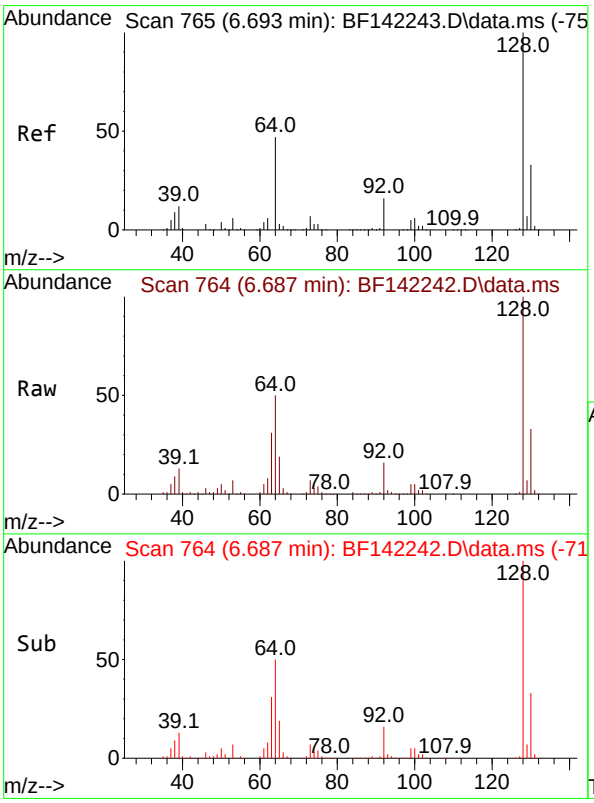
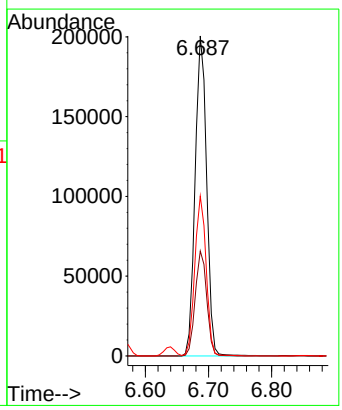
Supervised By :Jagrut Upadhyay 05/01/2025

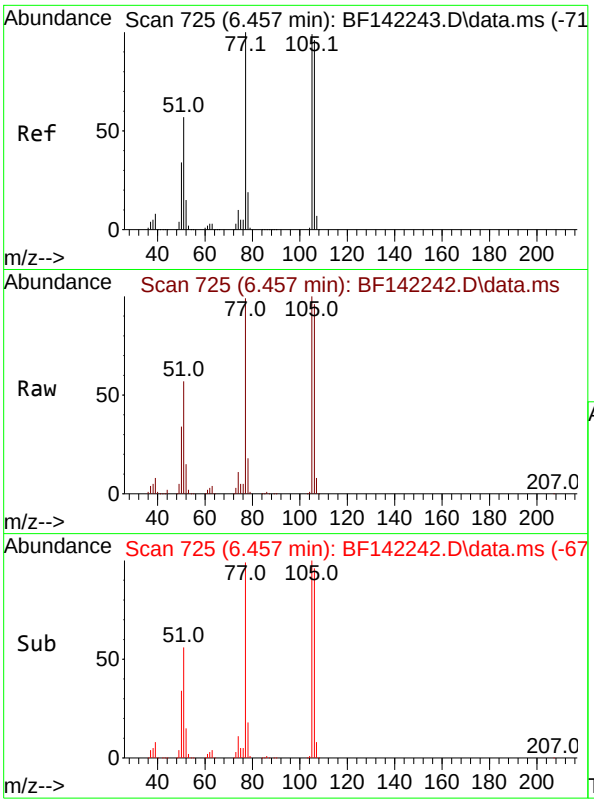


#8
2-Chlorophenol
Concen: 20.156 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:128 Resp: 253840

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.1	53.1
64	50.0	28.6	68.6

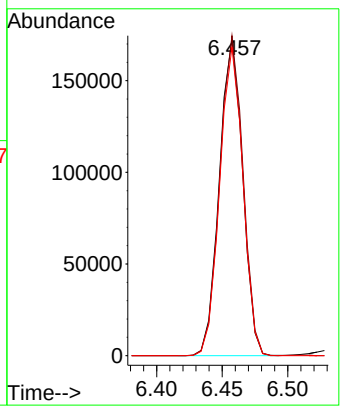




#9
Benzaldehyde
Concen: 20.712 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 77 Resp: 21305

Ion	Ratio	Lower	Upper
77	100		
105	101.1	79.1	119.1
106	97.4	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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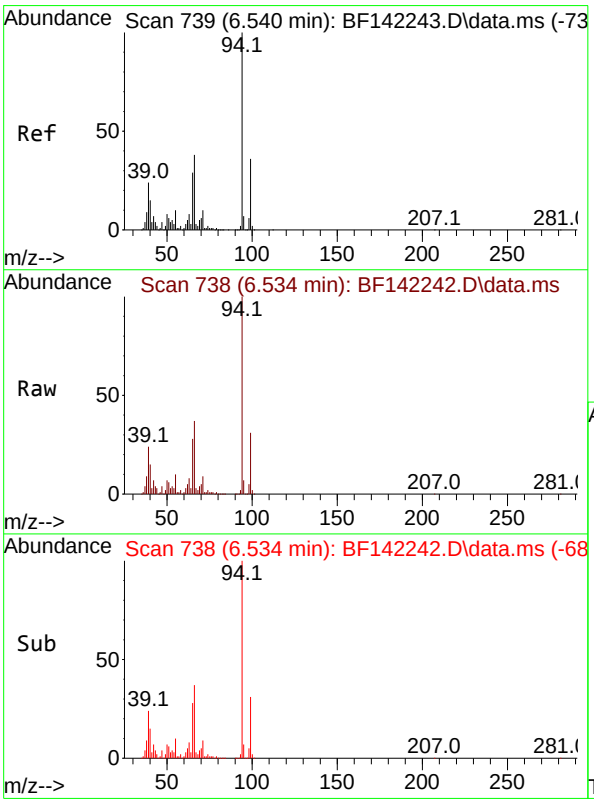
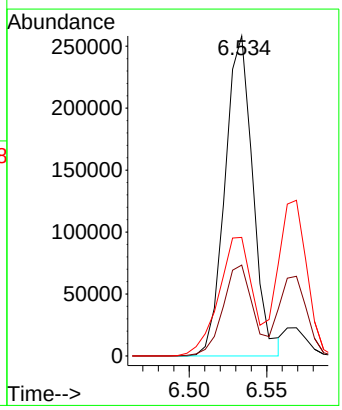
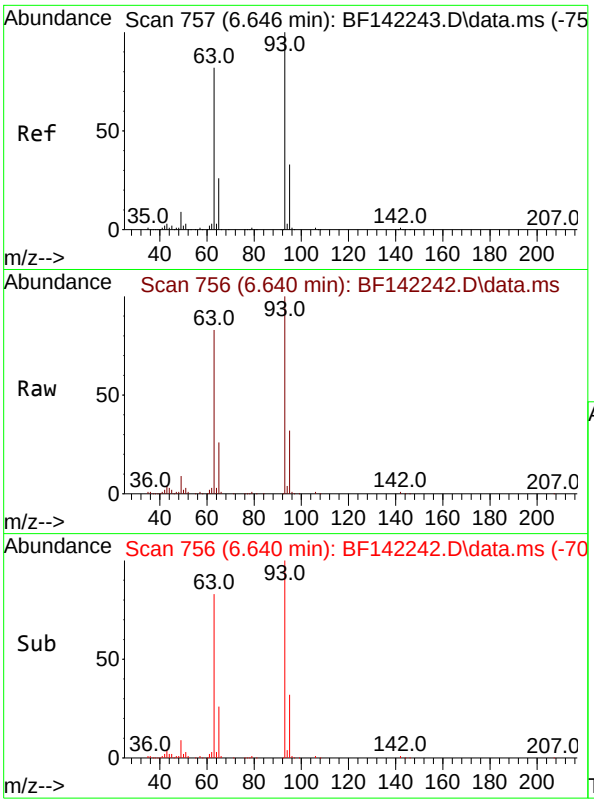


#10
Phenol
Concen: 20.352 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 94 Resp: 322435

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.9	48.9
66	37.1	18.7	58.7

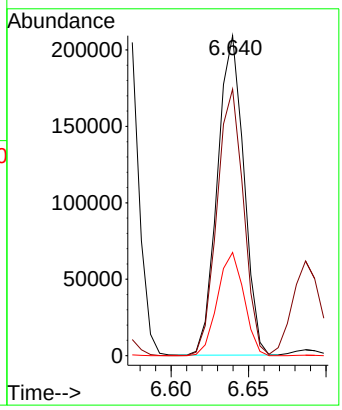




#11
bis(2-Chloroethyl)ether
Concen: 20.132 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 93 Resp: 24717

Ion	Ratio	Lower	Upper
93	100		
63	83.3	62.2	102.2
95	32.3	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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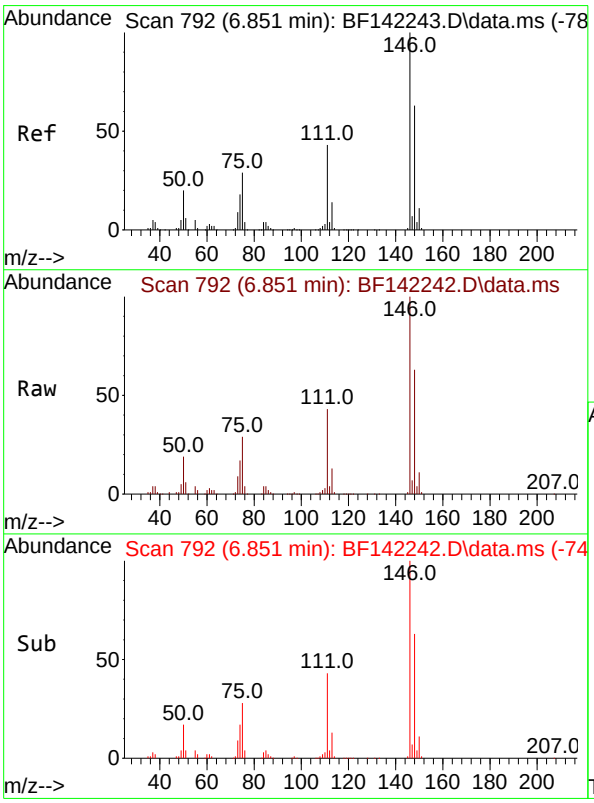
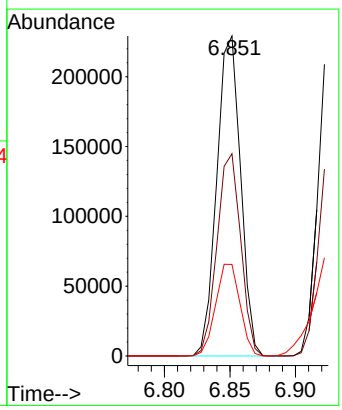
Supervised By :Jagrut Upadhyay 05/01/2025

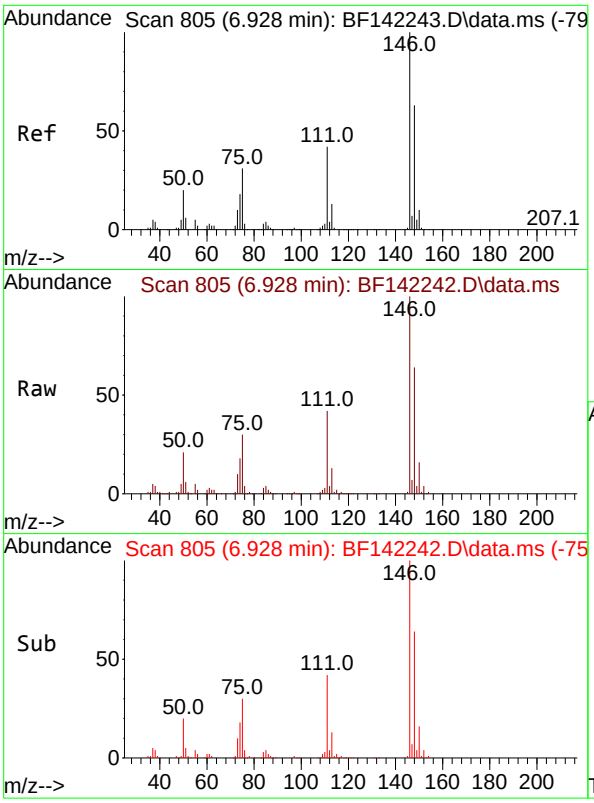


#12
1,3-Dichlorobenzene
Concen: 20.294 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:146 Resp: 289129

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.5	75.7
75	28.6	23.2	34.8

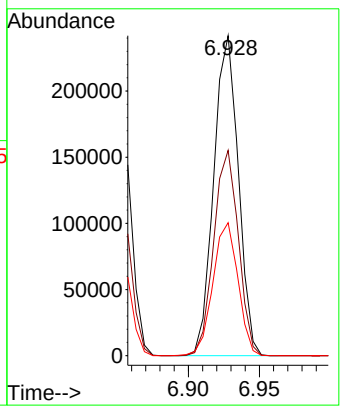




#13
1,4-Dichlorobenzene
Concen: 20.268 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:146 Resp: 29092

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	41.6	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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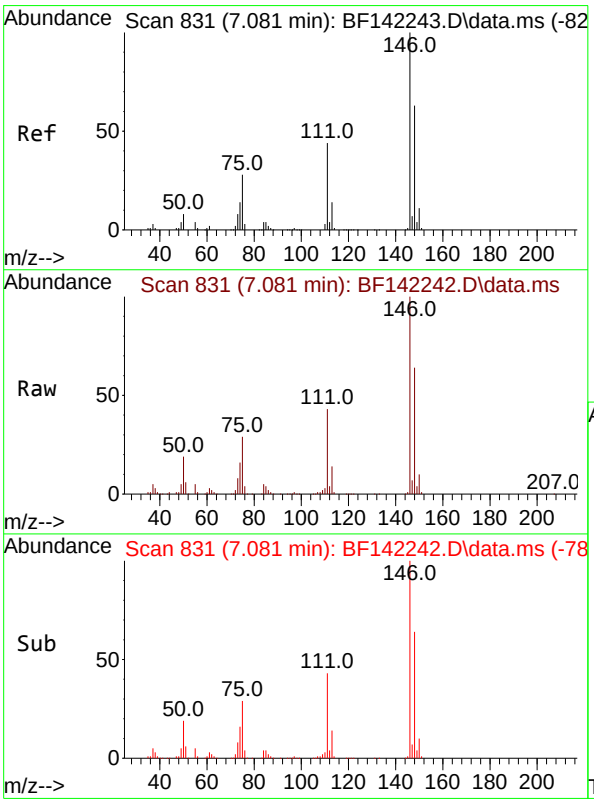
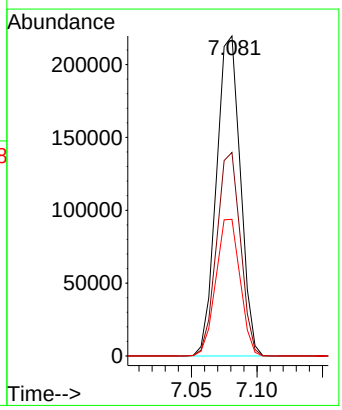
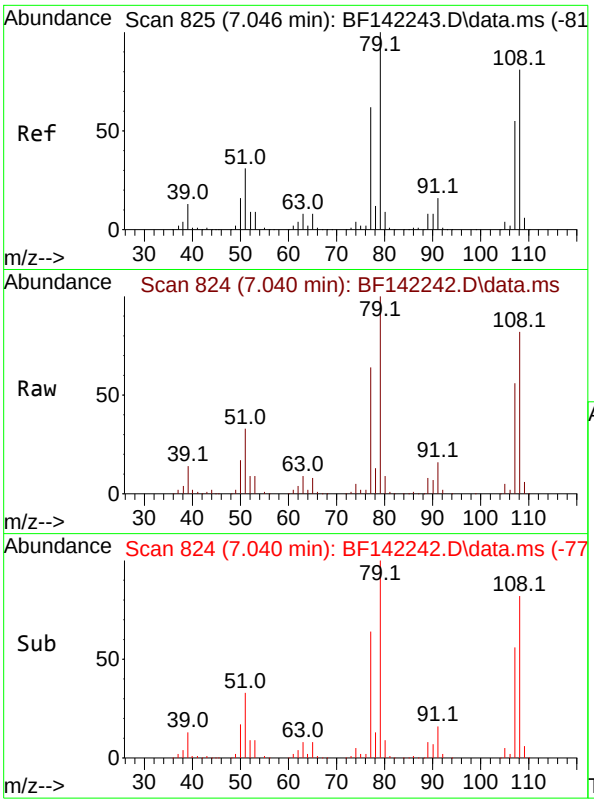


#14
1,2-Dichlorobenzene
Concen: 20.331 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:146 Resp: 278592

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	42.7	34.9	52.3





#15
Benzyl Alcohol
Concen: 19.835 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 79 Resp: 20704

Ion	Ratio	Lower	Upper
79	100		
108	81.7	64.5	96.7
77	63.5	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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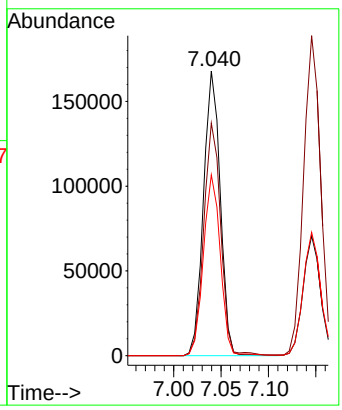
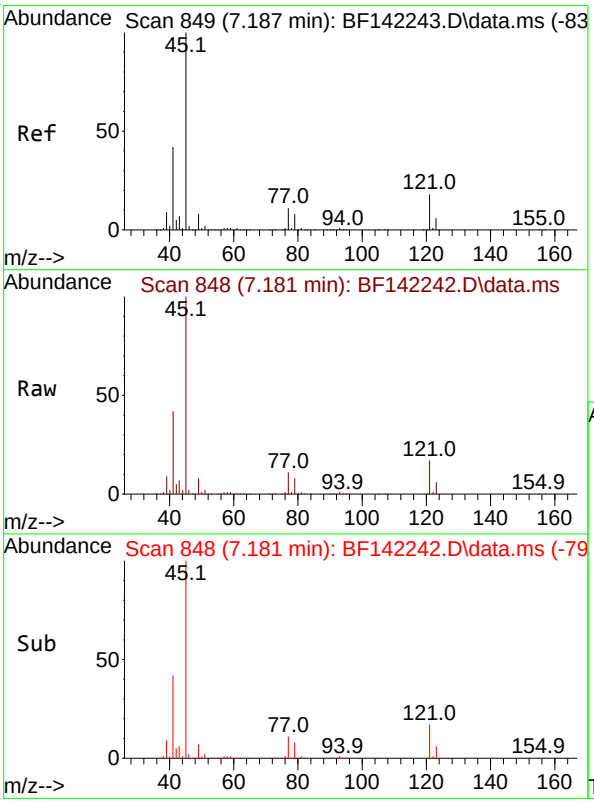
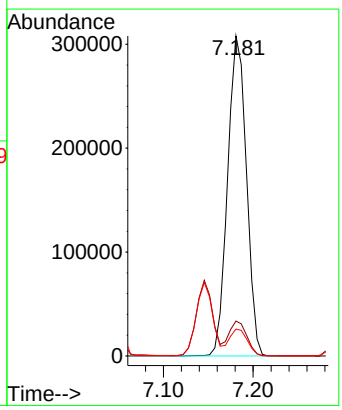


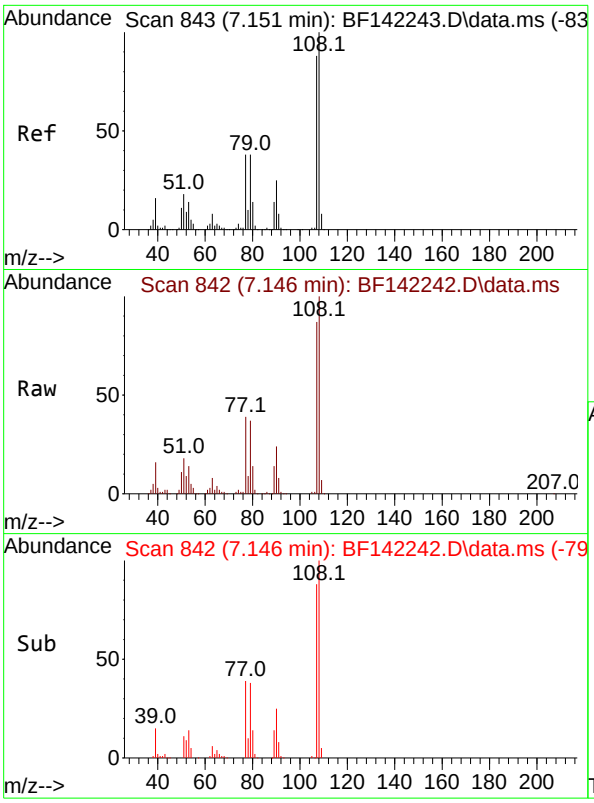


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.218 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 45 Resp: 448250

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.3
79	8.4	0.0	28.5

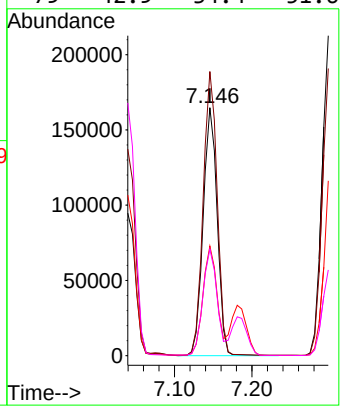




#17
2-Methylphenol
Concen: 20.157 ng
RT: 7.146 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:107 Resp: 20795

Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.0	136.4
77	44.2	34.4	51.6
79	42.9	34.4	51.6



Instrument :
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ClientSampleId :
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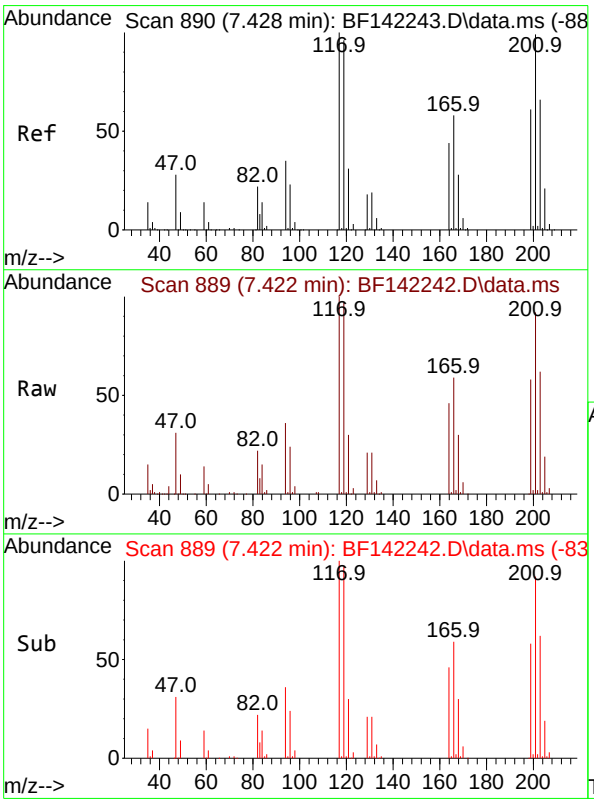
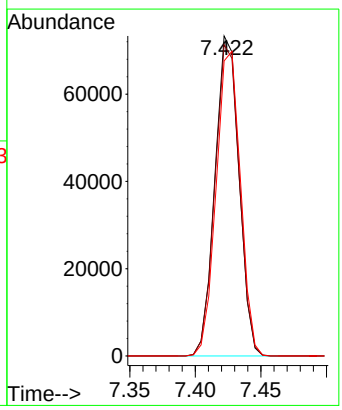
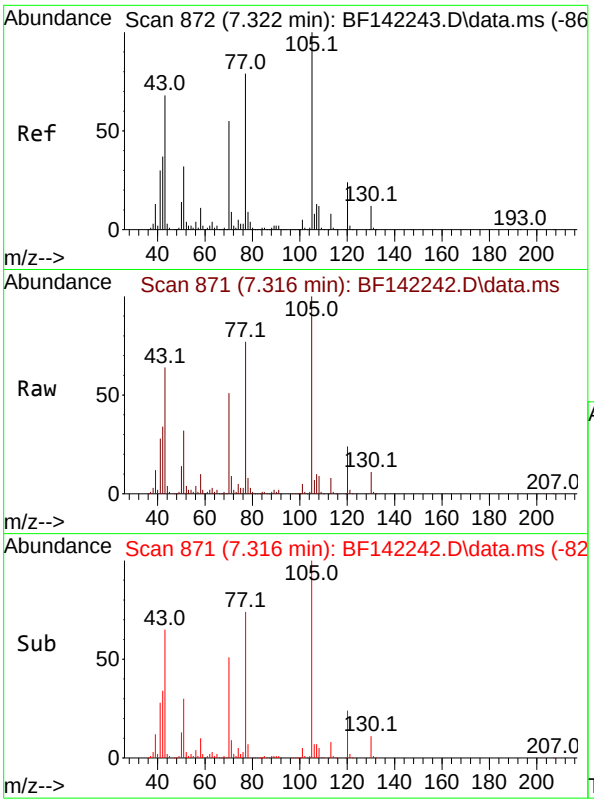


#18
Hexachloroethane
Concen: 19.917 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:117 Resp: 93572

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
201	92.2	79.4	119.2

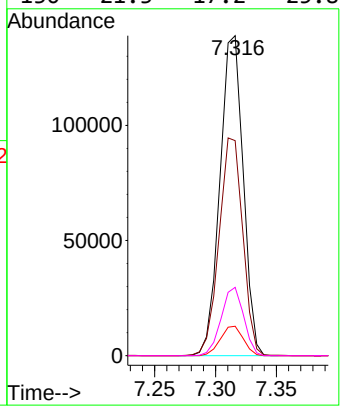




#19
n-Nitroso-di-n-propylamine
Concen: 20.318 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 70 Resp: 18477

Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.4	80.2
101	9.2	7.7	11.5
130	21.3	17.2	25.8



Instrument :
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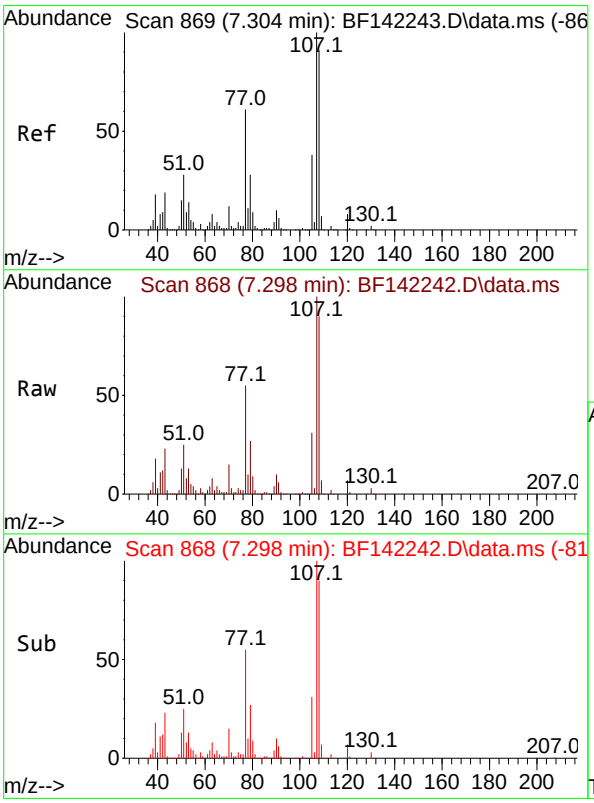
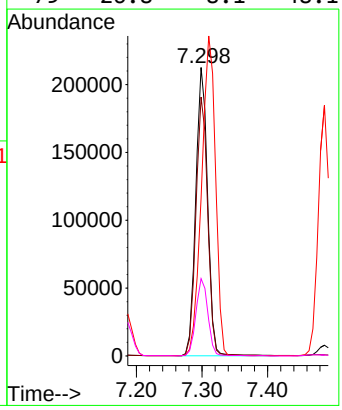
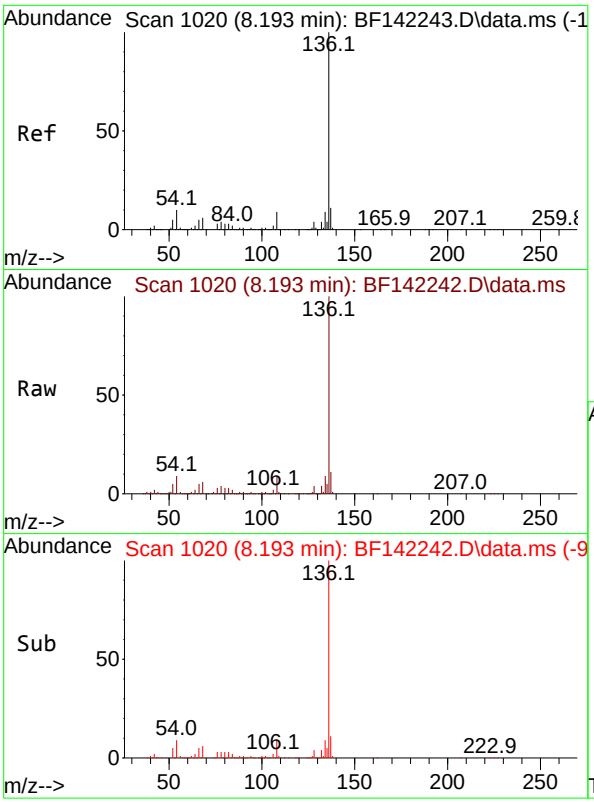


#20
3+4-Methylphenols
Concen: 20.700 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:107 Resp: 267057

Ion	Ratio	Lower	Upper
107	100		
108	89.7	71.2	111.2
77	54.6	41.1	81.1
79	26.8	8.1	48.1

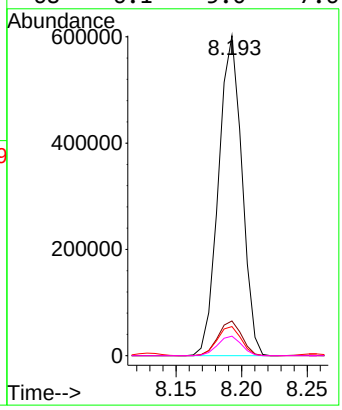




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:136 Resp: 74656

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.1	7.7	11.5
68	6.1	5.0	7.6



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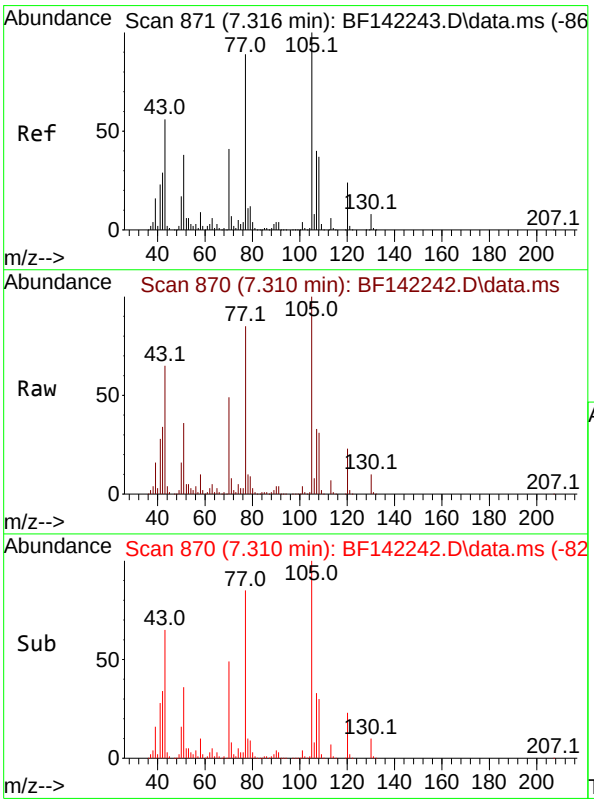
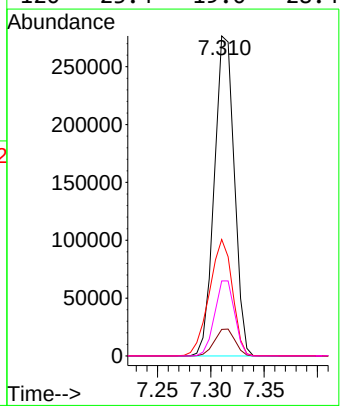
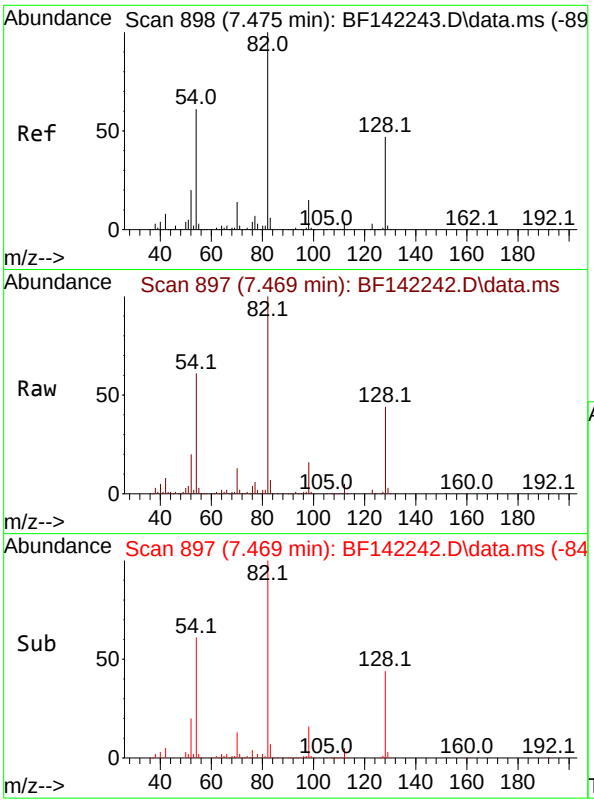


#22
Acetophenone
Concen: 20.872 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:105 Resp: 360484

Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.7	8.5
51	36.4	30.1	45.1
120	23.4	19.0	28.4





#23
Nitrobenzene-d5
Concen: 39.673 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 82 Resp: 45083

Ion	Ratio	Lower	Upper
82	100		
128	44.3	37.0	55.6
54	61.1	48.0	72.0

Instrument :
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ClientSampleId :
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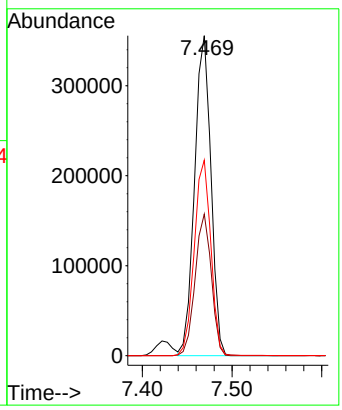
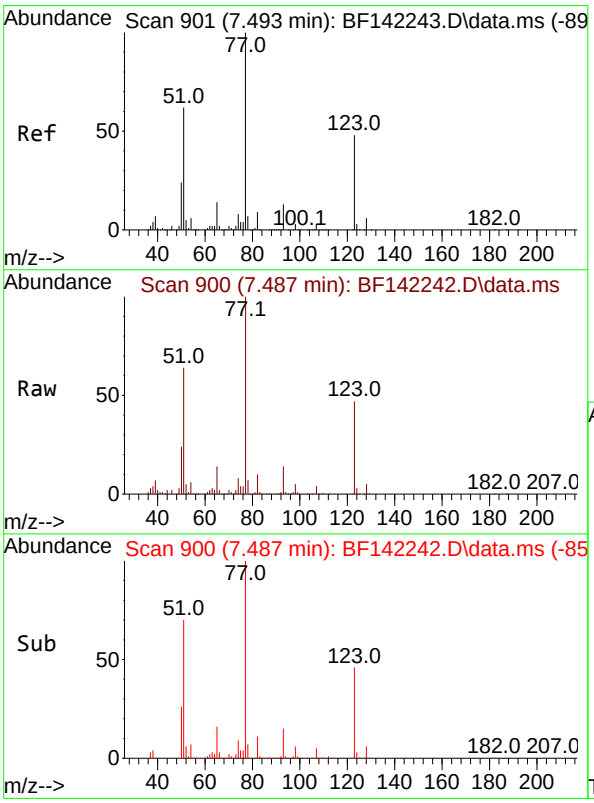
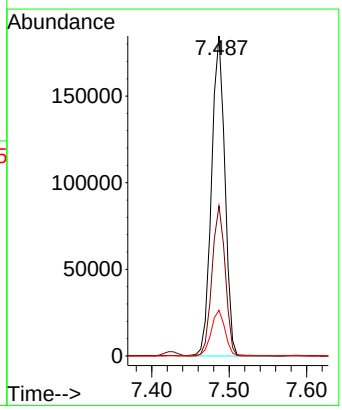


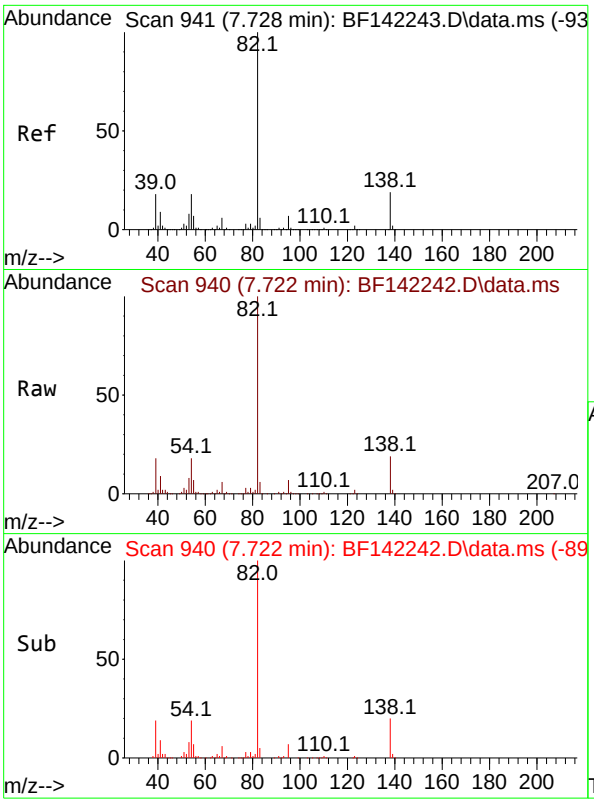


#24
Nitrobenzene
Concen: 19.865 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 77 Resp: 221499

Ion	Ratio	Lower	Upper
77	100		
123	46.9	38.6	58.0
65	14.3	11.5	17.3

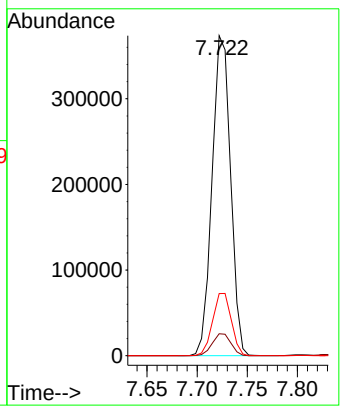




#25
Isophorone
Concen: 20.088 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 82 Resp: 47909

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	19.4	15.3	22.9



Instrument :
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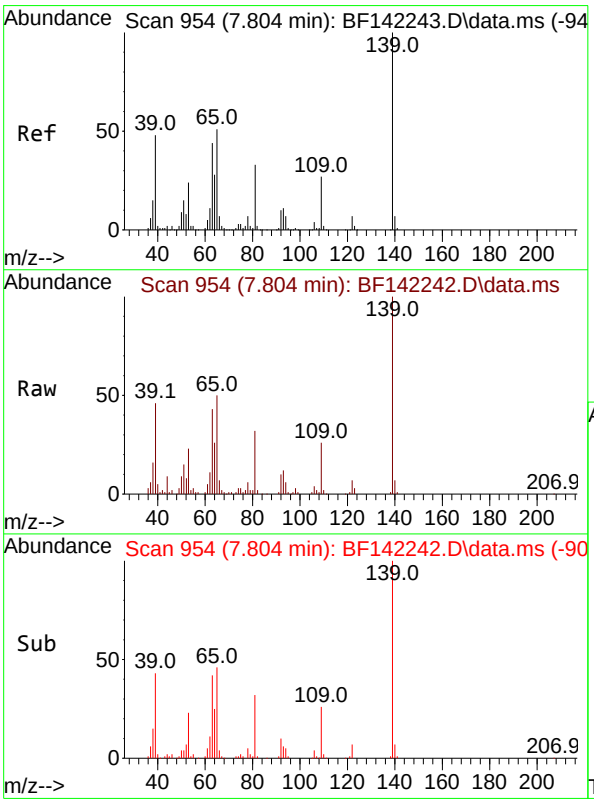
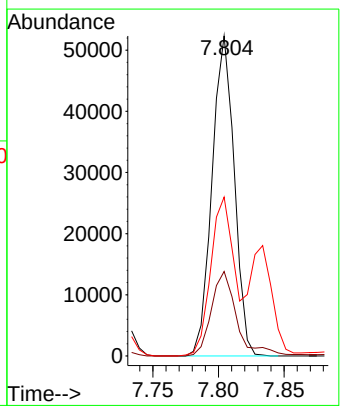
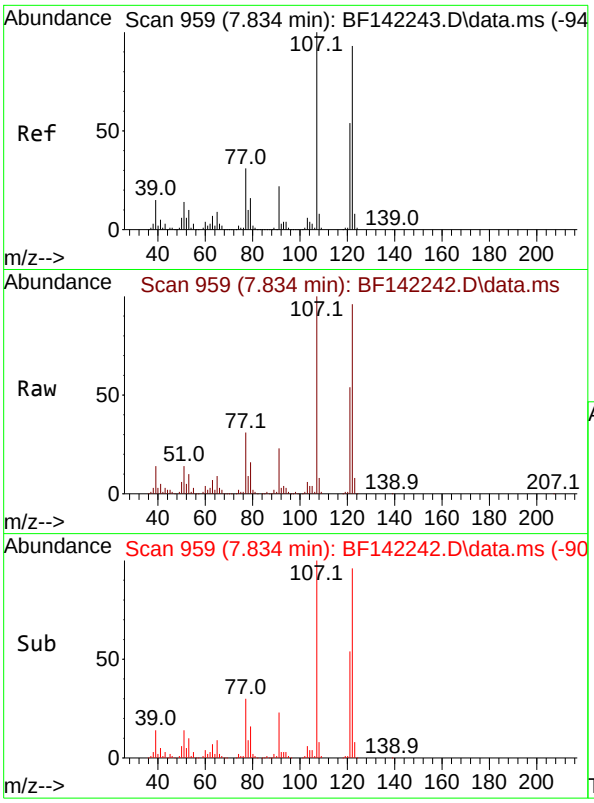


#26
2-Nitrophenol
Concen: 17.893 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:139 Resp: 61615

Ion	Ratio	Lower	Upper
139	100		
109	26.4	21.8	32.8
65	49.6	41.1	61.7

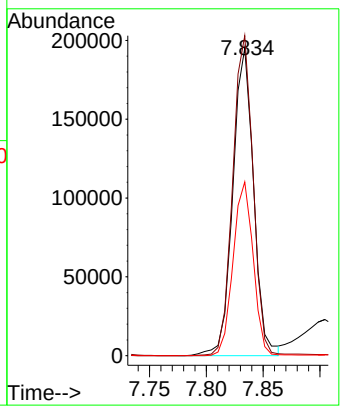




#27
2,4-Dimethylphenol
Concen: 20.696 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:122 Resp: 24886

Ion	Ratio	Lower	Upper
122	100		
107	104.1	86.0	129.0
121	56.5	46.3	69.5



Instrument :
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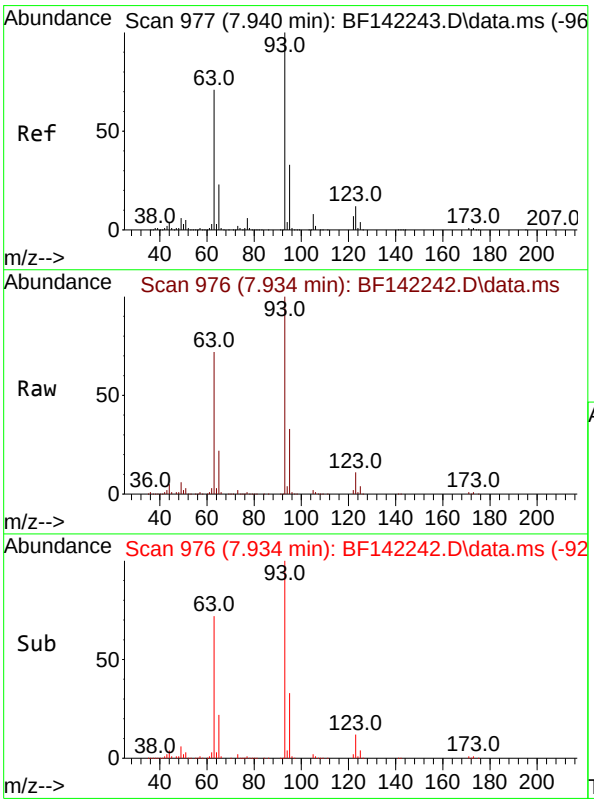
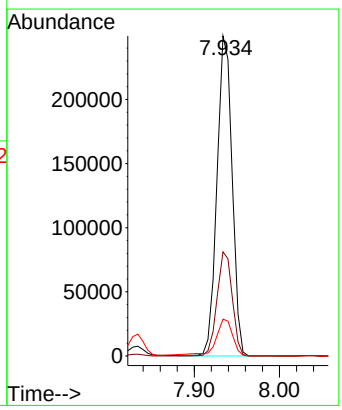
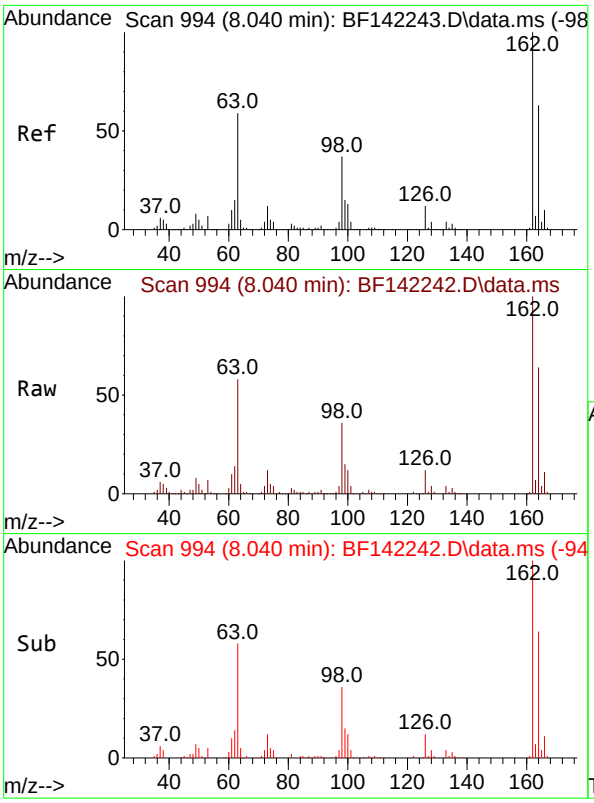


#28
bis(2-Chloroethoxy)methane
Concen: 20.549 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 93 Resp: 309073

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	11.5	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 20.374 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:162 Resp: 20482

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.0	83.0
98	36.1	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
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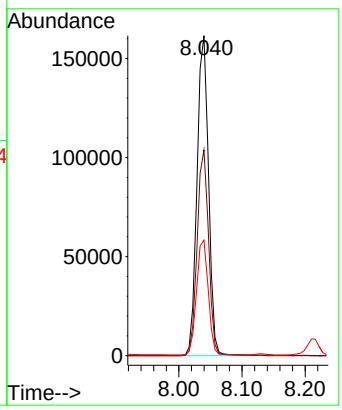
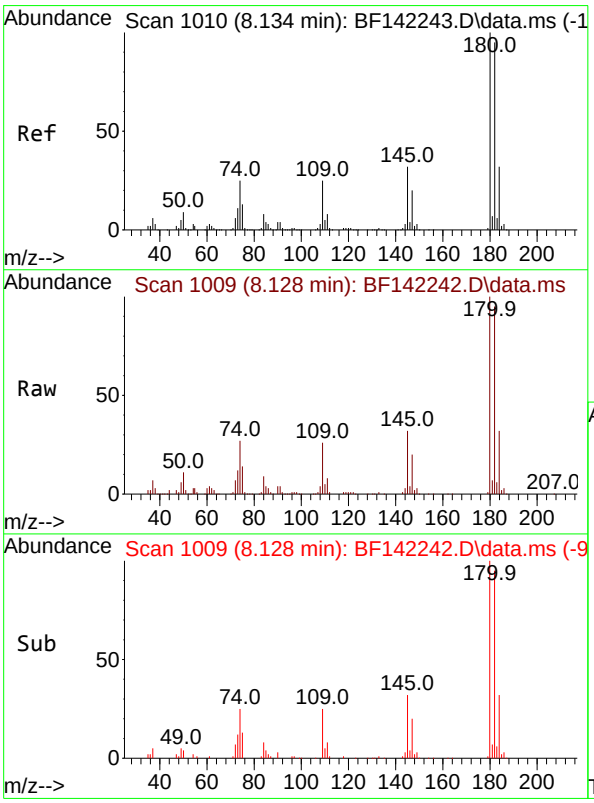
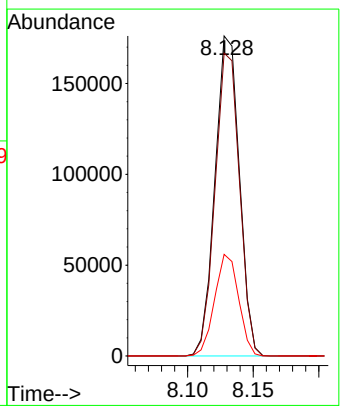


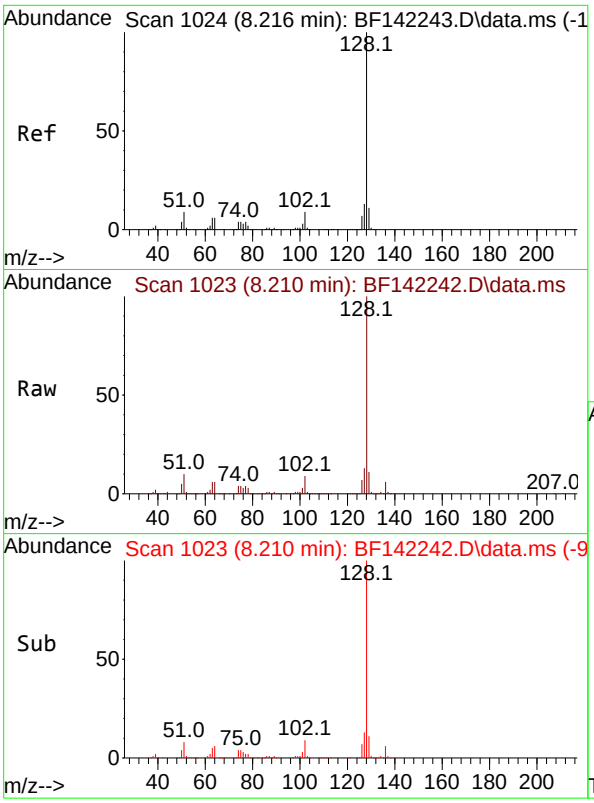


#30
1,2,4-Trichlorobenzene
Concen: 20.315 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:180 Resp: 227898

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	31.7	25.4	38.0

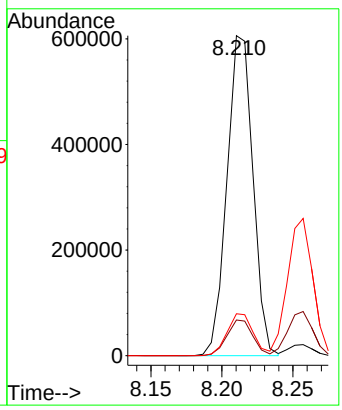




#31
Naphthalene
Concen: 20.758 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:128 Resp: 77283

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.1	10.6	15.8



Instrument :
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ClientSampleId :
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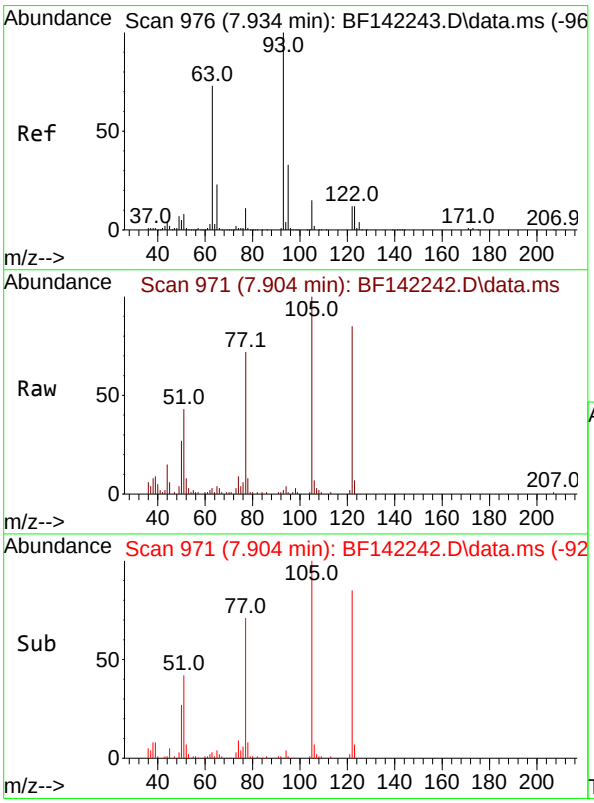
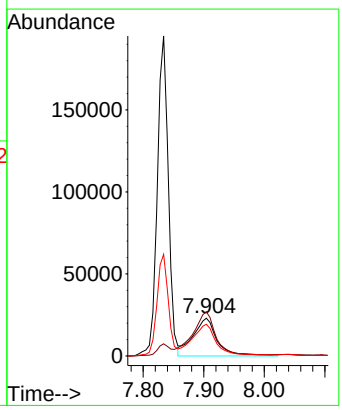
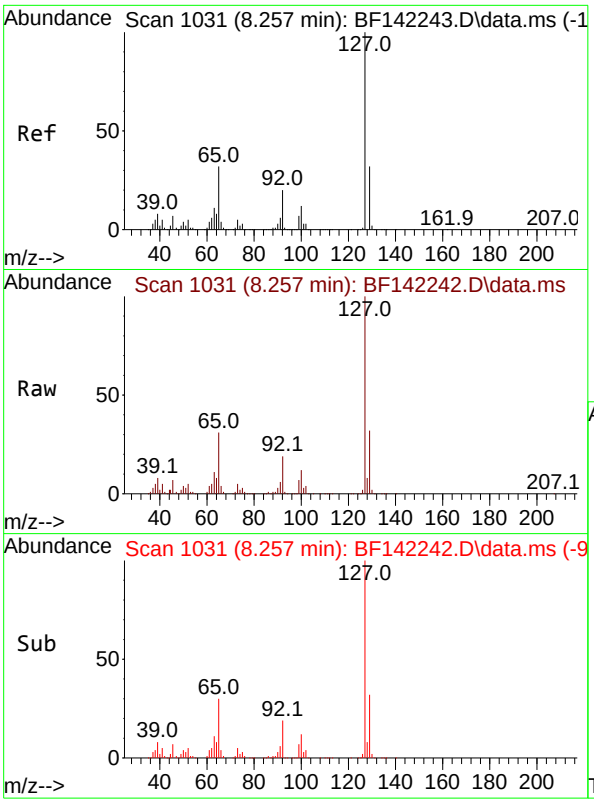


#32
Benzoic acid
Concen: 19.412 ng m
RT: 7.904 min Scan# 971
Delta R.T. -0.030 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:122 Resp: 64656

Ion	Ratio	Lower	Upper
122	100		
105	117.1	98.2	138.2
77	84.0	66.8	106.8

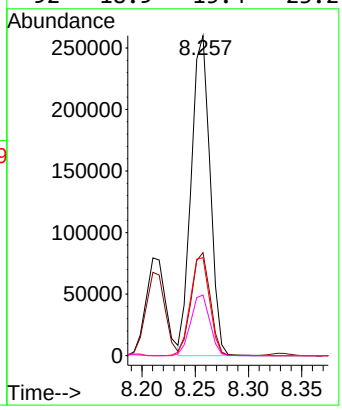




#33
4-Chloroaniline
Concen: 20.654 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:127 Resp: 32021

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	30.7	25.5	38.3
92	18.9	15.4	23.2



Instrument :
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ClientSampleId :
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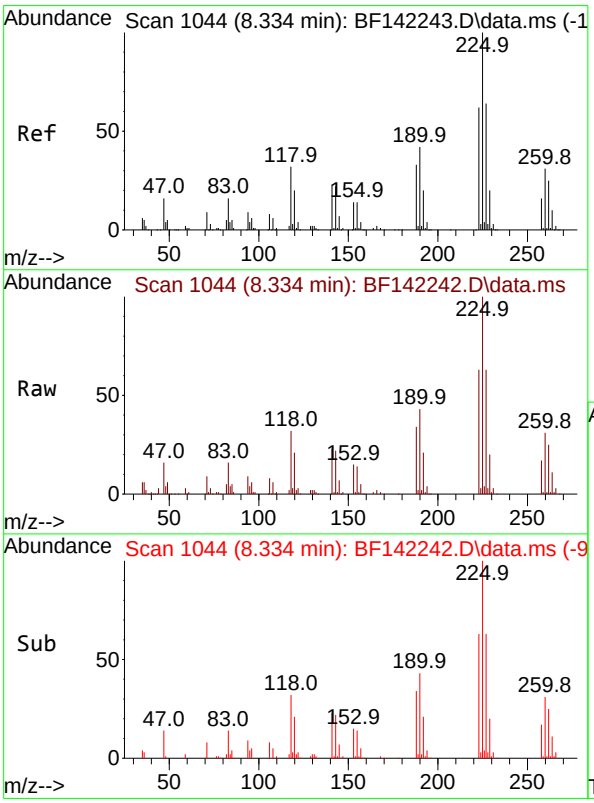
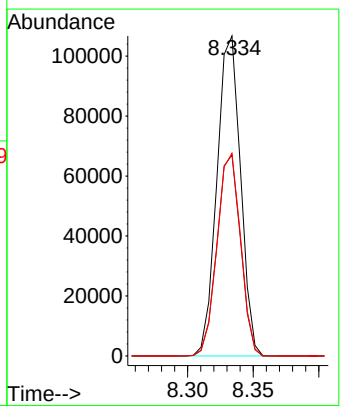
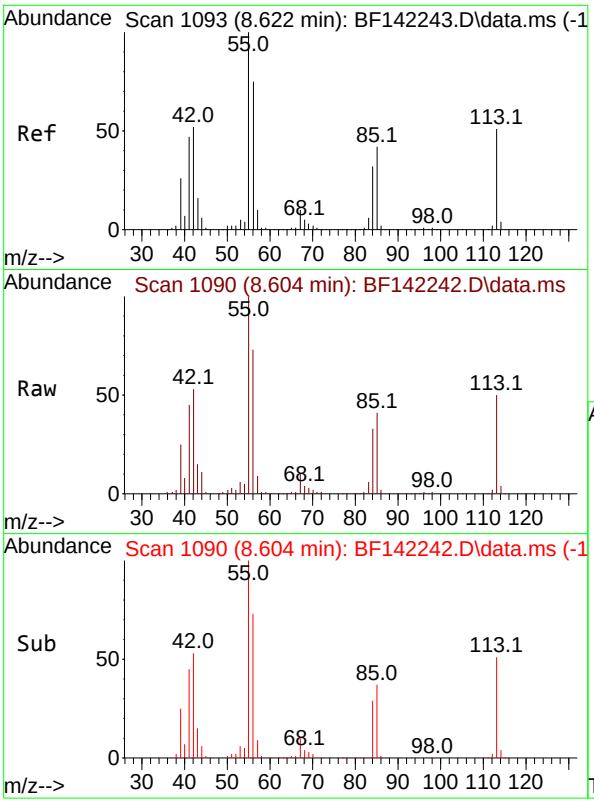


#34
Hexachlorobutadiene
Concen: 20.393 ng
RT: 8.334 min Scan# 1044
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:225 Resp: 133474

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.7	74.5
227	63.4	51.0	76.4

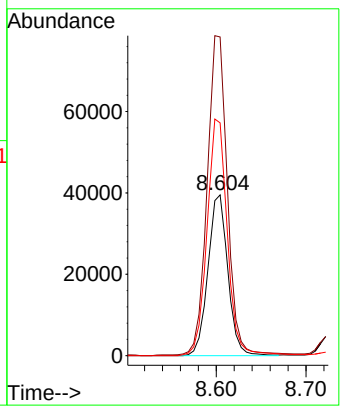




#35
Caprolactam
Concen: 20.118 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:113 Resp: 6079

Ion	Ratio	Lower	Upper
113	100		
55	198.2	177.7	217.7
56	144.8	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
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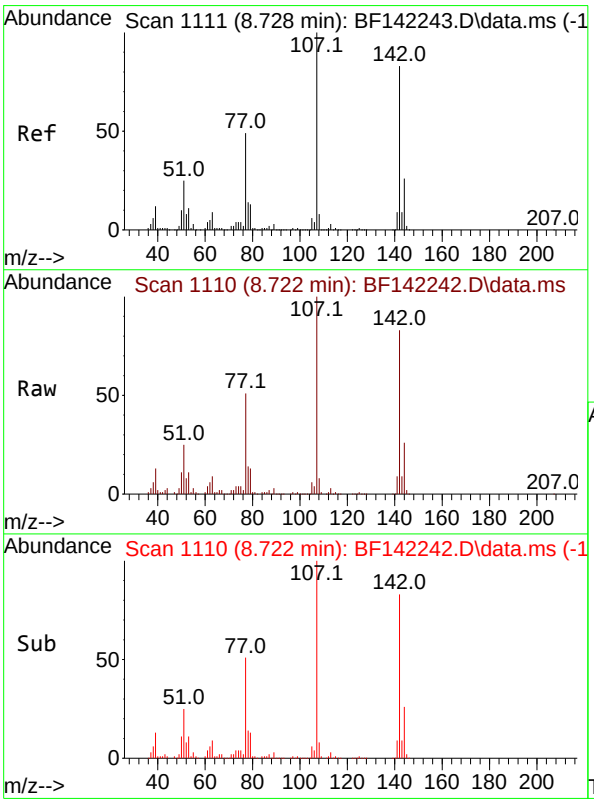
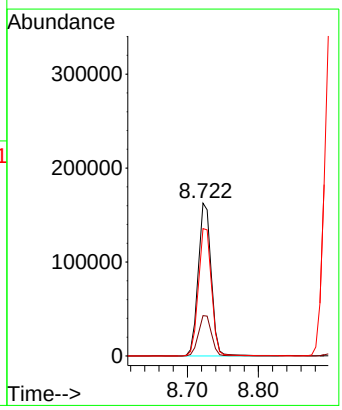
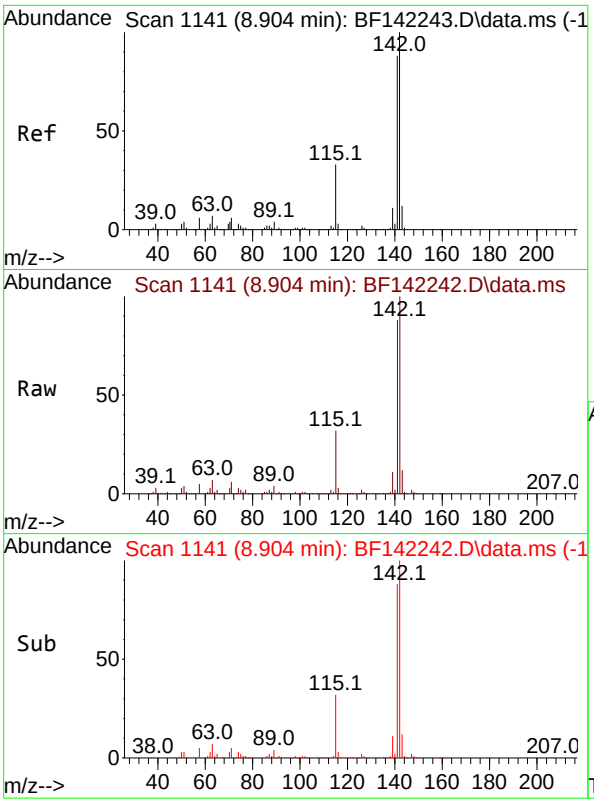


#36
4-Chloro-3-methylphenol
Concen: 20.190 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:107 Resp: 208419

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.0	31.4
142	83.4	66.1	99.1

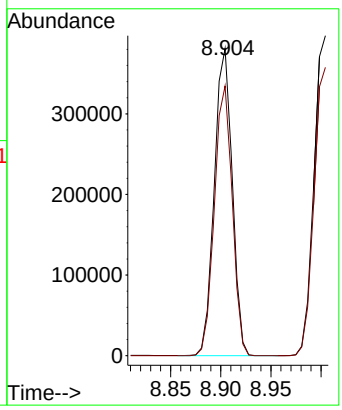




#37
2-Methylnaphthalene
Concen: 20.658 ng
RT: 8.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:142 Resp: 47289

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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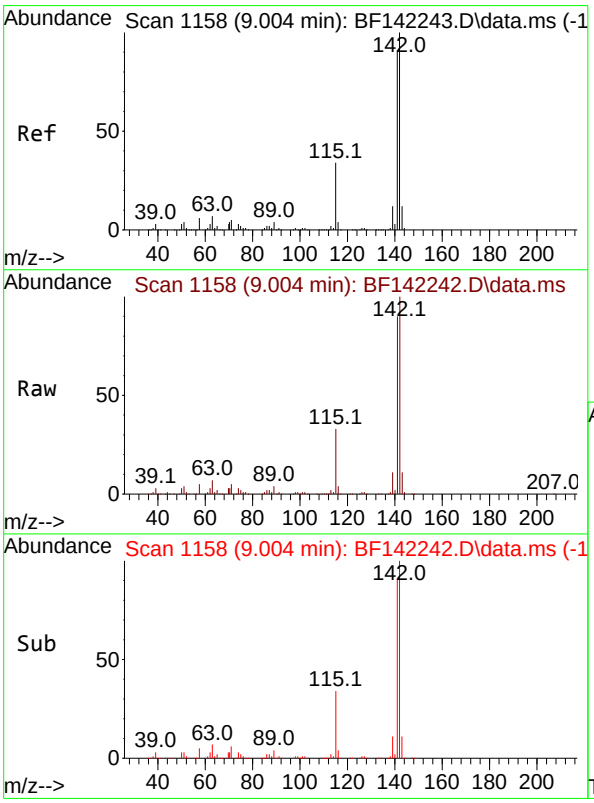
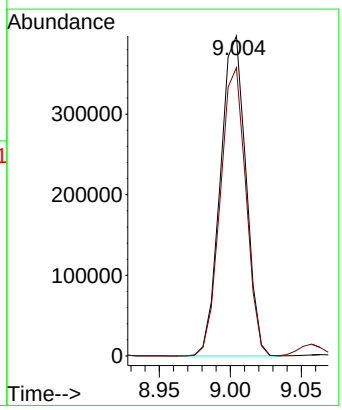
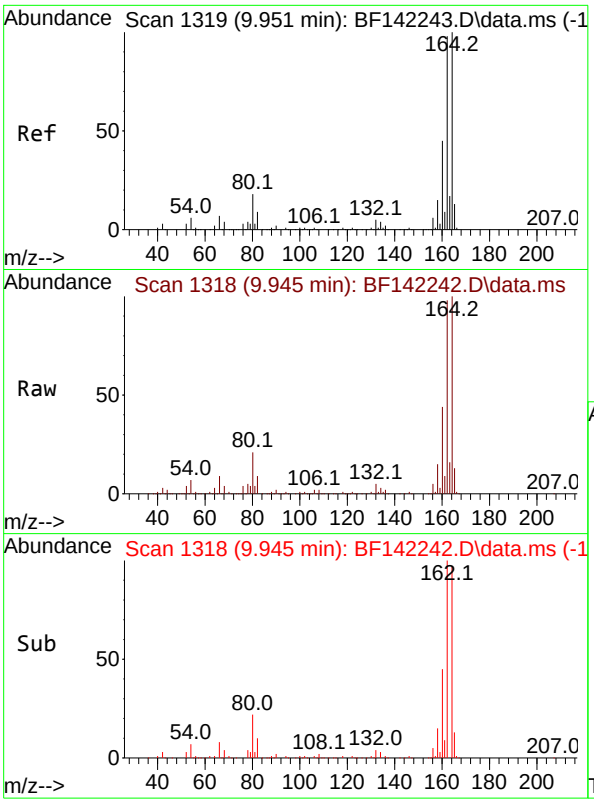


#38
1-Methylnaphthalene
Concen: 20.985 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:142 Resp: 497635

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.8	109.2

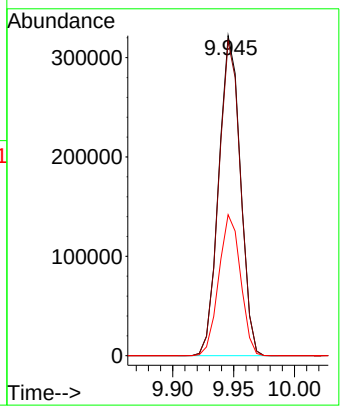




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:164 Resp: 39880

Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.6	117.8
160	44.1	35.7	53.5



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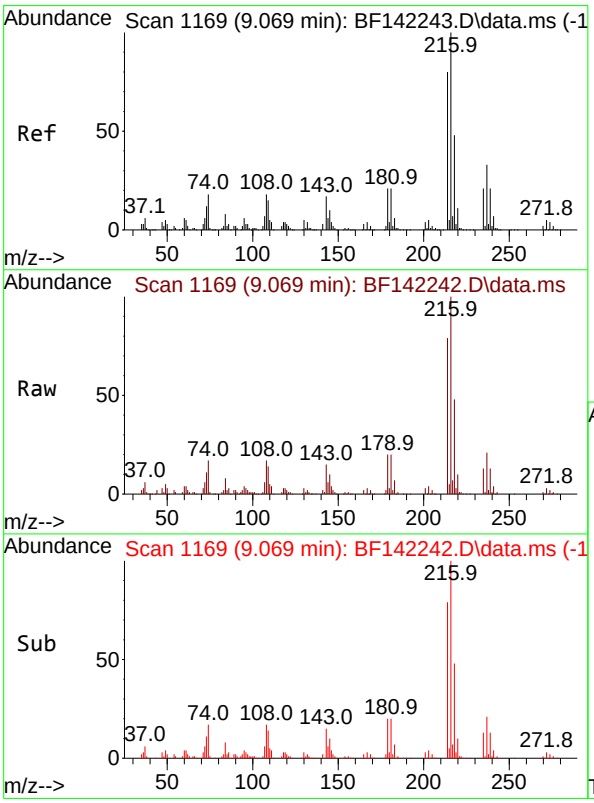
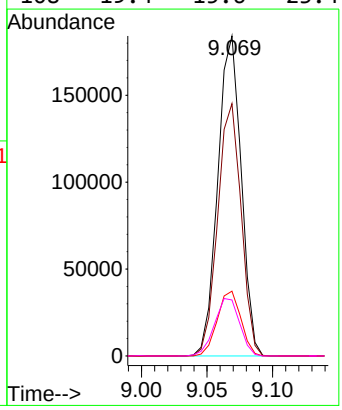
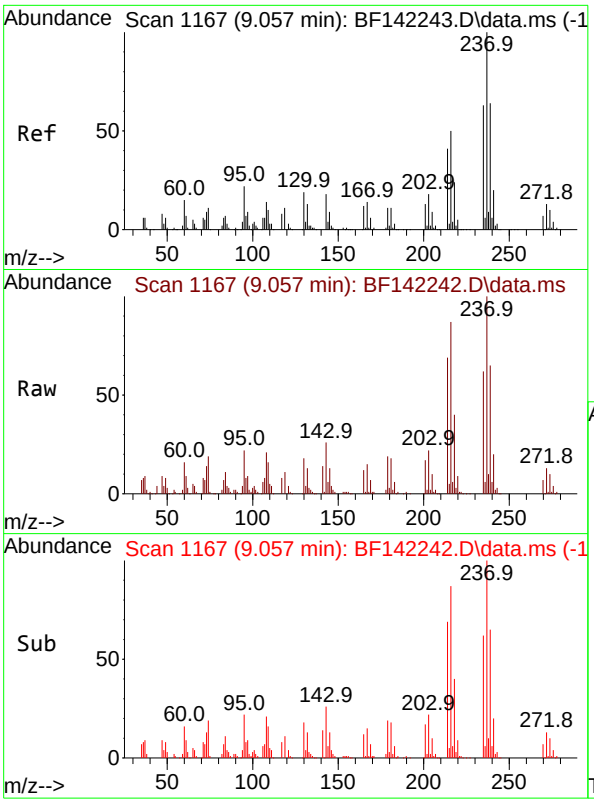


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.342 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:216 Resp: 228311

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.8	95.6
179	20.5	16.7	25.1
108	19.4	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 19.145 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:237 Resp: 12195

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.5	83.5
272	12.8	0.0	32.9

Instrument :
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ClientSampleId :
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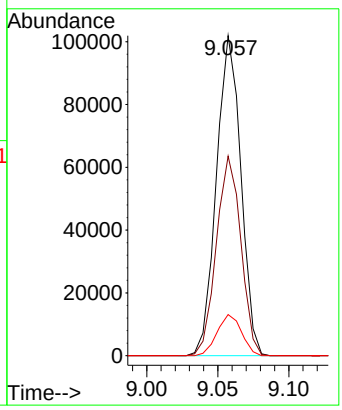
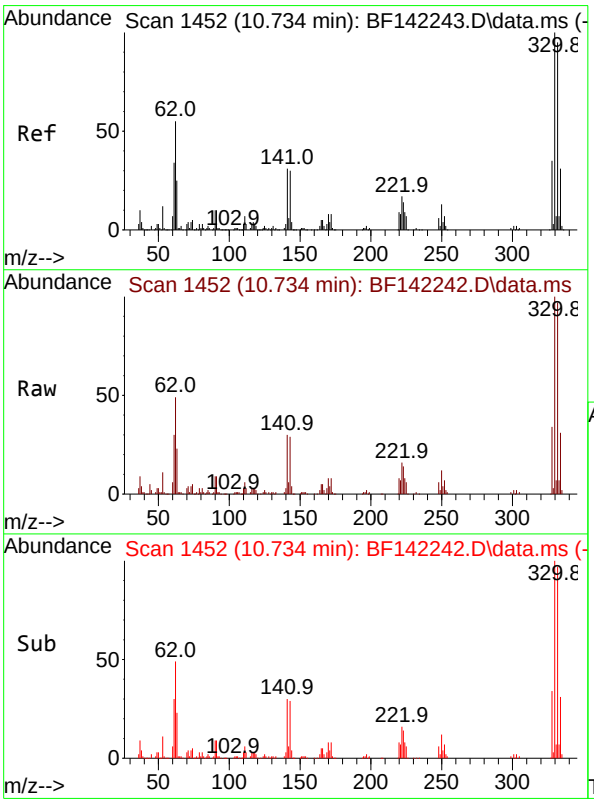
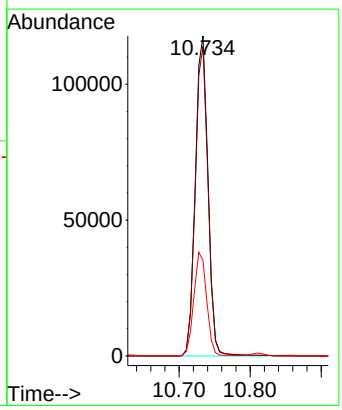


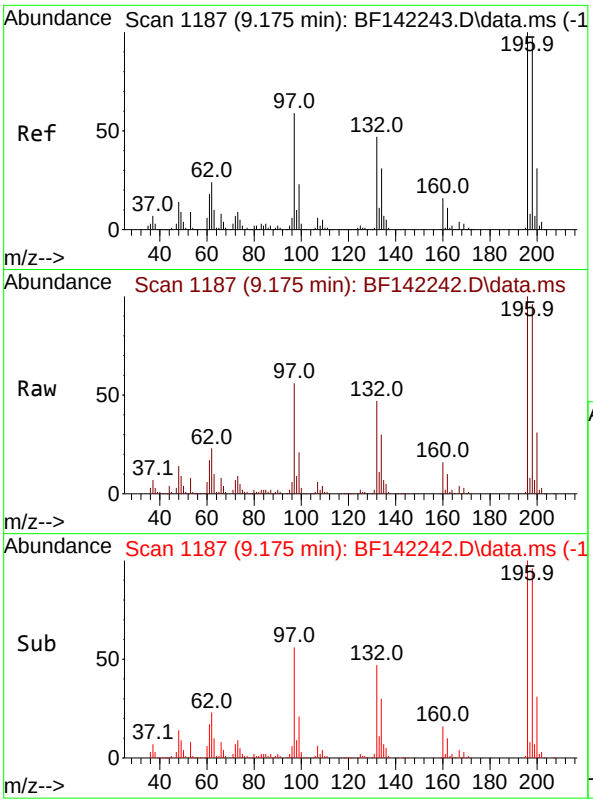


#42
2,4,6-Tribromophenol
Concen: 40.372 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:330 Resp: 146779

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.5	114.7
141	32.8	24.3	36.5

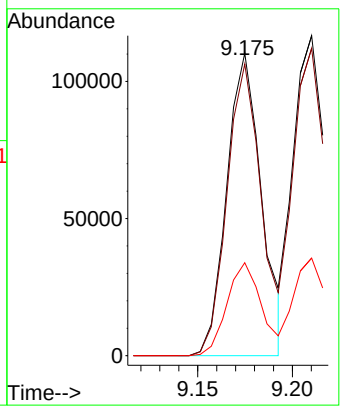




#43
2,4,6-Trichlorophenol
Concen: 20.246 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:196 Resp: 14080

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.4	116.2
200	30.7	24.6	37.0



Instrument :
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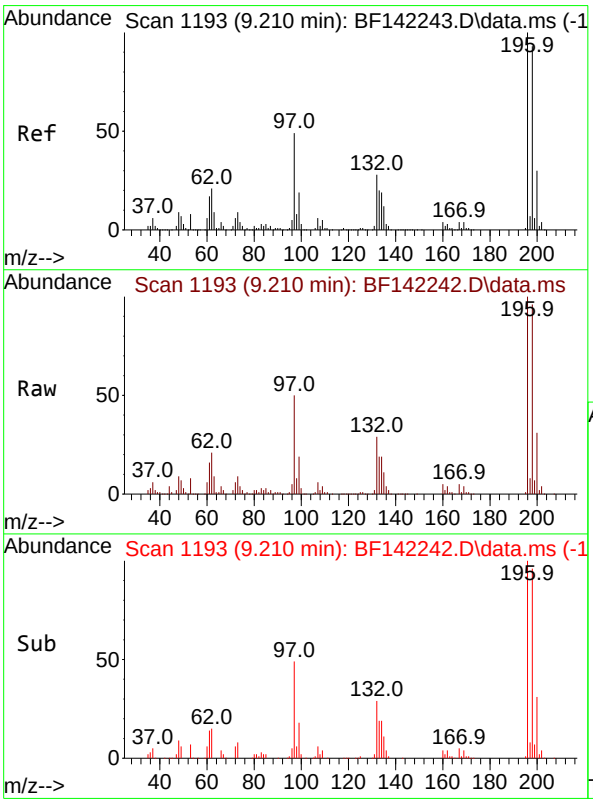
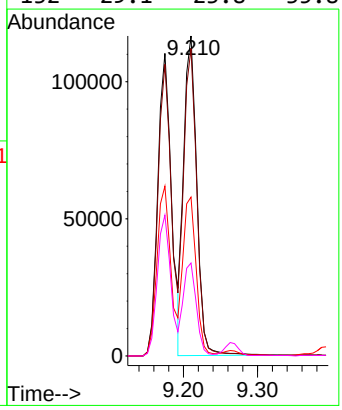
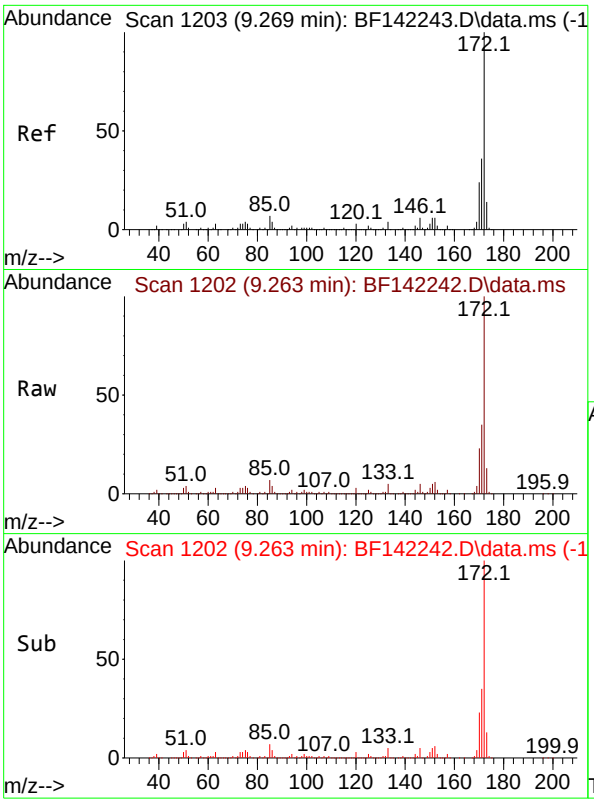


#44
2,4,5-Trichlorophenol
Concen: 19.756 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:196 Resp: 144462

Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.2	112.8
97	49.7	39.8	59.8
132	29.1	23.8	35.8

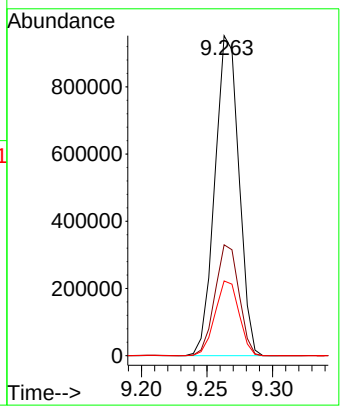




#45
2-Fluorobiphenyl
Concen: 42.876 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:172 Resp: 121274

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.0	43.4
170	23.3	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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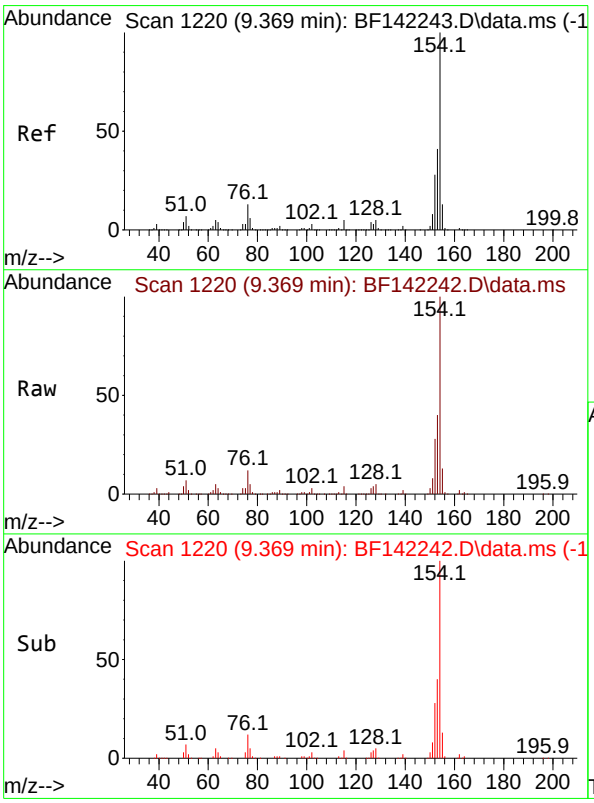
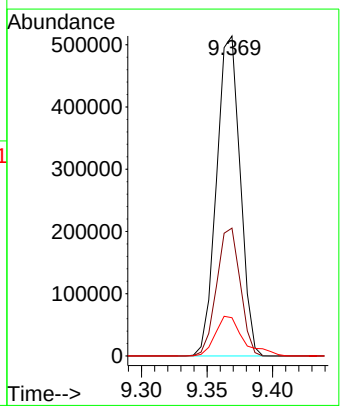
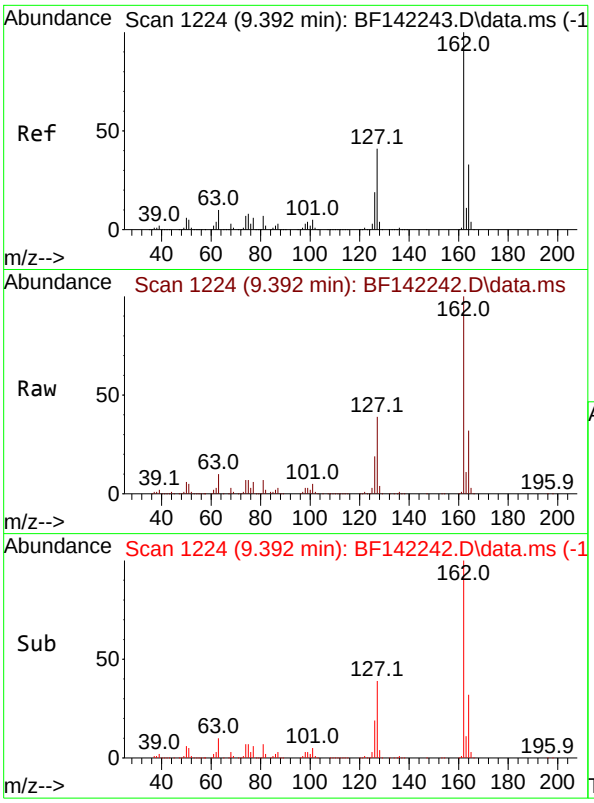


#46
1,1'-Biphenyl
Concen: 20.740 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:154 Resp: 643017

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.5	60.5
76	12.0	0.0	32.8

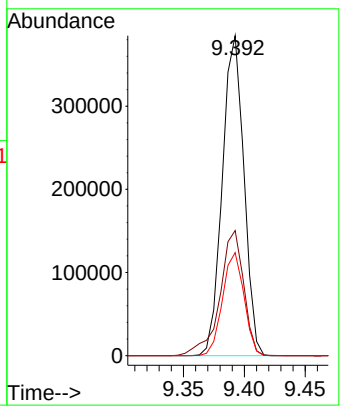




#47
2-Chloronaphthalene
Concen: 20.588 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:162 Resp: 474899

Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.6	49.0
164	32.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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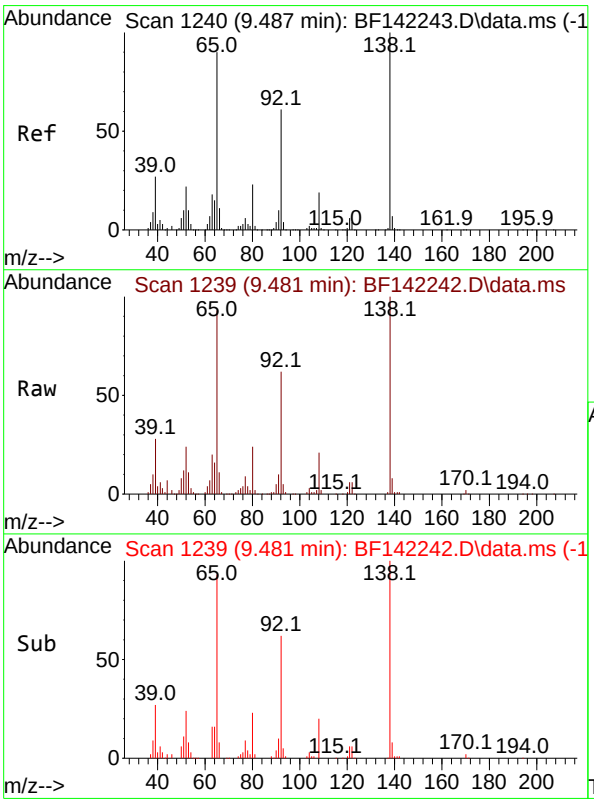
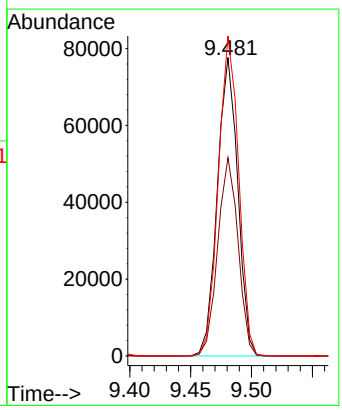
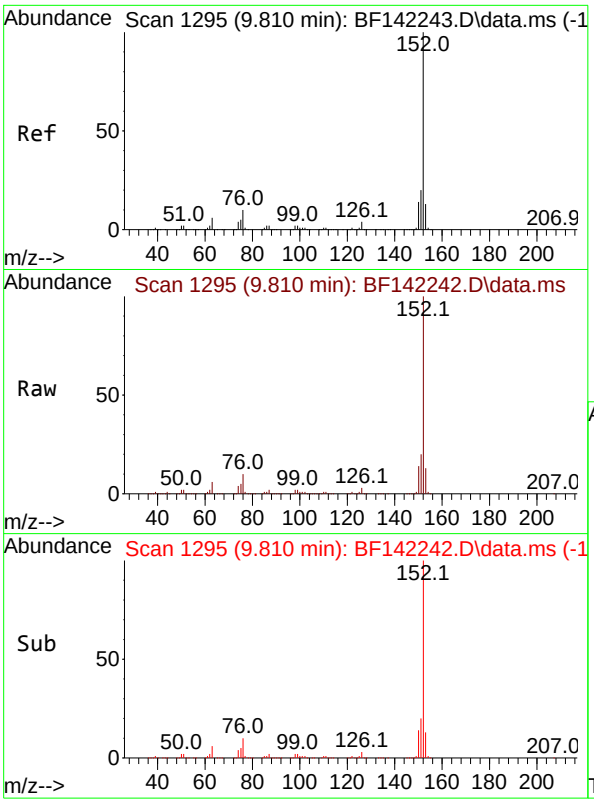


#48
2-Nitroaniline
Concen: 18.213 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 65 Resp: 90798

Ion	Ratio	Lower	Upper
65	100		
92	66.4	54.3	81.5
138	107.2	88.6	133.0

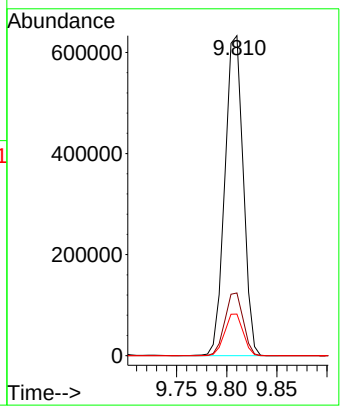




#49
Acenaphthylene
Concen: 20.749 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:152 Resp: 80765

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.0	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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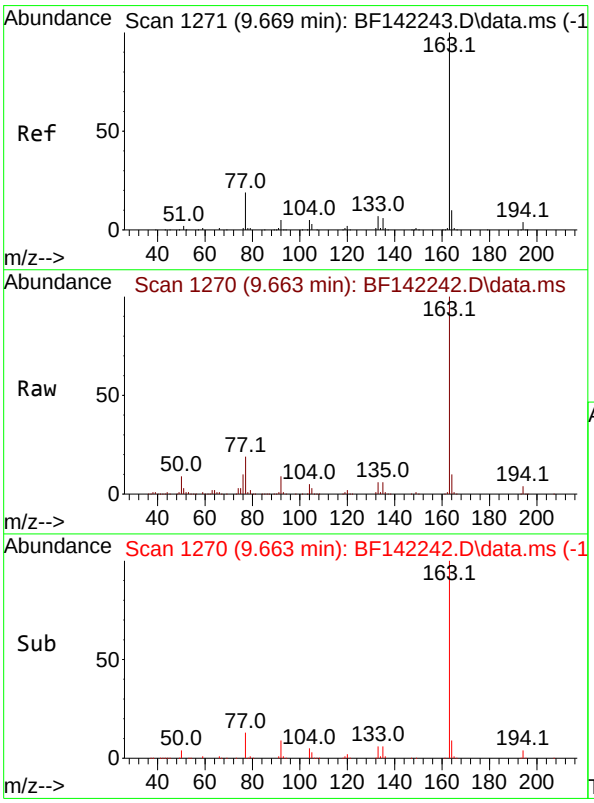
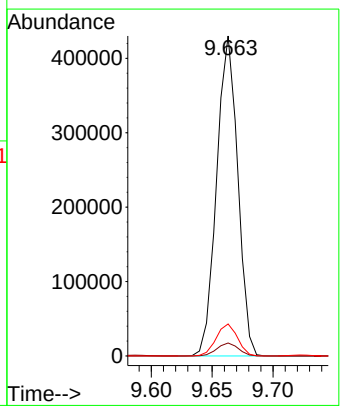
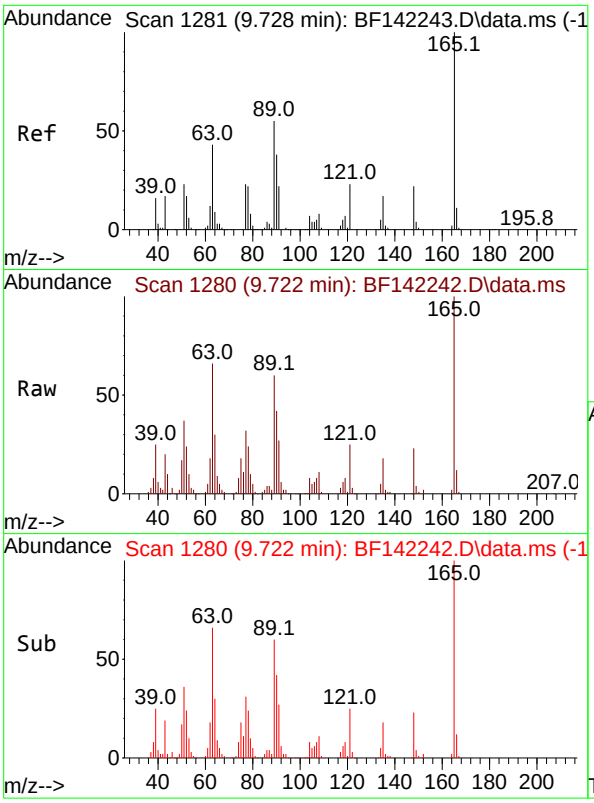


#50
Dimethylphthalate
Concen: 20.334 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:163 Resp: 518802

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.0	8.2	12.2

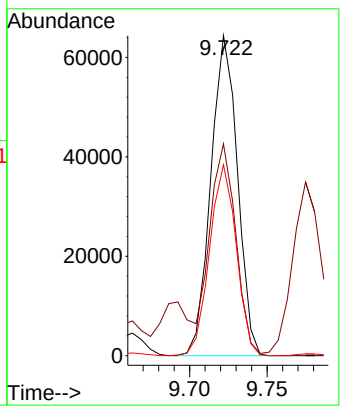




#51
2,6-Dinitrotoluene
Concen: 18.432 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:165 Resp: 7695

Ion	Ratio	Lower	Upper
165	100		
63	66.2	48.5	72.7
89	59.6	43.9	65.9



Instrument :
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ClientSampleId :
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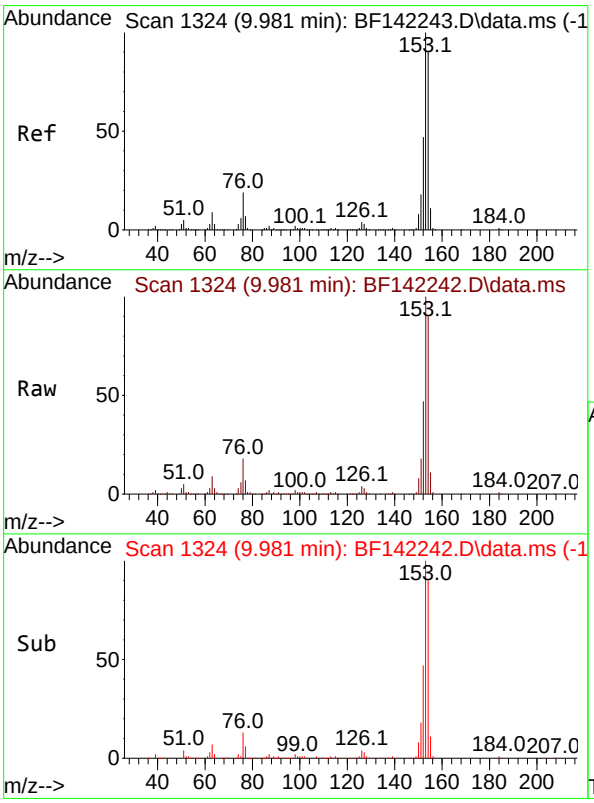
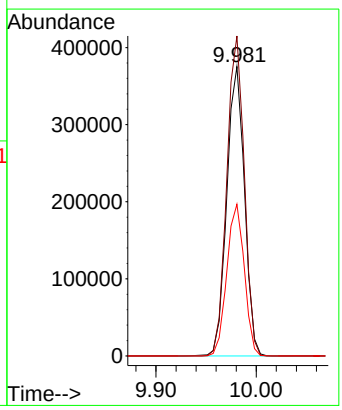
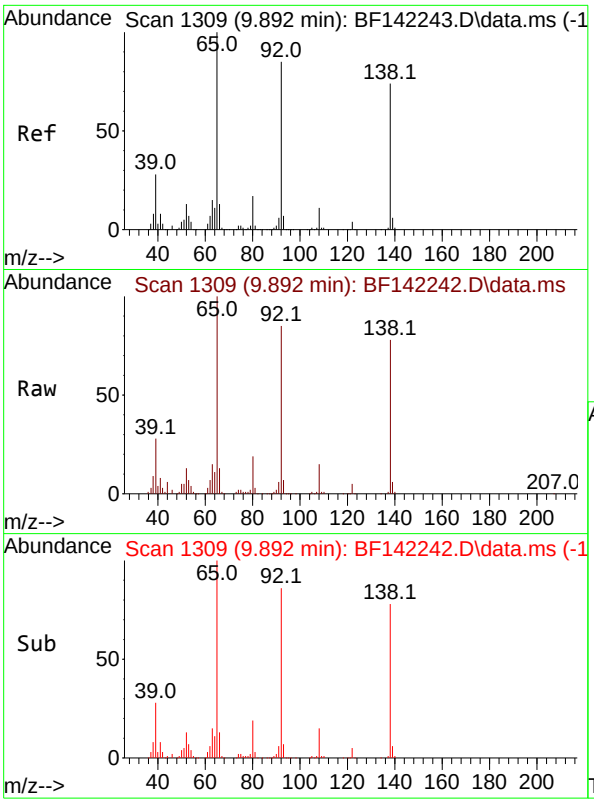


#52
Acenaphthene
Concen: 20.281 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:154 Resp: 460927

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.6	133.0
152	52.4	42.1	63.1

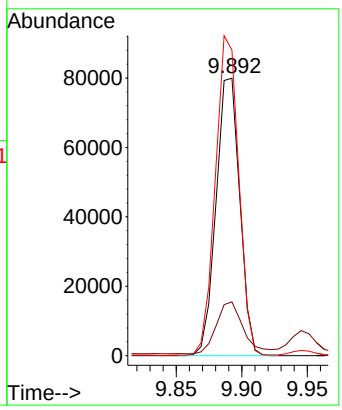




#53
3-Nitroaniline
Concen: 18.959 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:138 Resp: 10056

Ion	Ratio	Lower	Upper
138	100		
108	19.4	11.7	17.5#
92	110.1	91.2	136.8



Instrument :
BNA_F
ClientSampleId :
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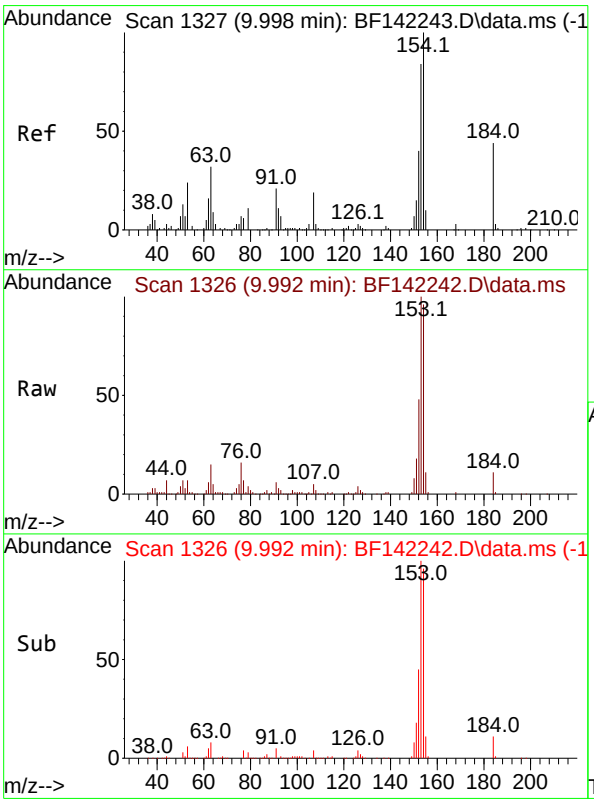
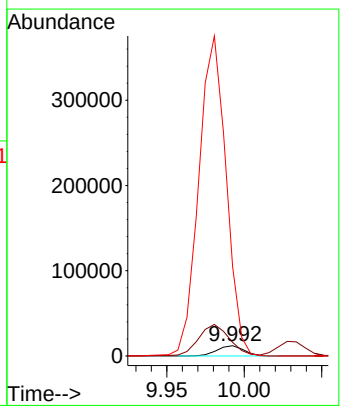
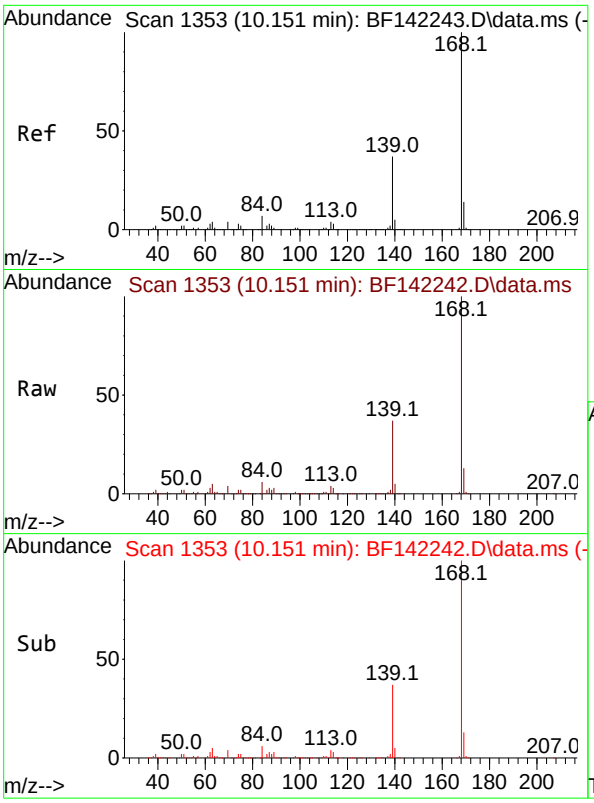


#54
2,4-Dinitrophenol
Concen: 18.804 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:184 Resp: 14553

Ion	Ratio	Lower	Upper
184	100		
63	131.7	69.2	103.8#
154	869.6	271.4	407.2#

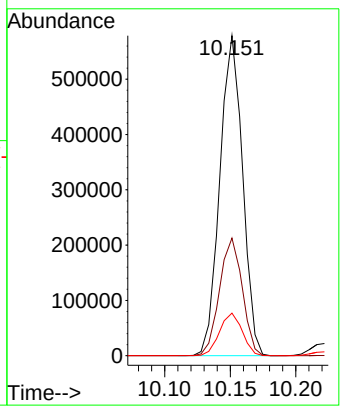




#55
Dibenzofuran
Concen: 20.493 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:168 Resp: 69815

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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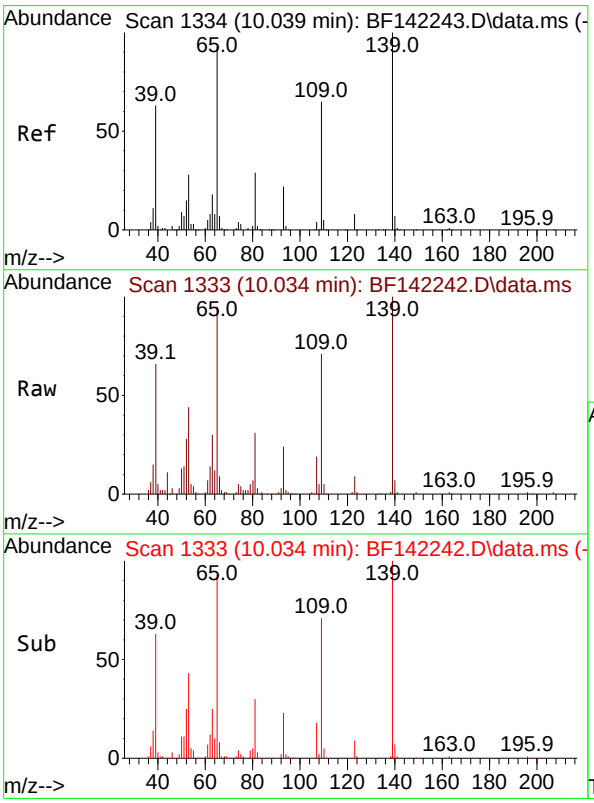
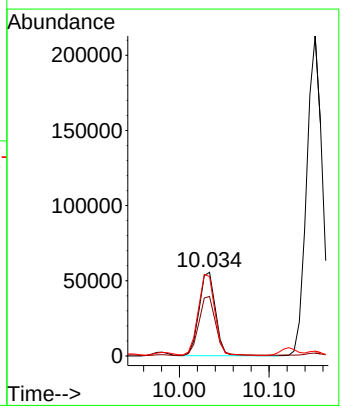
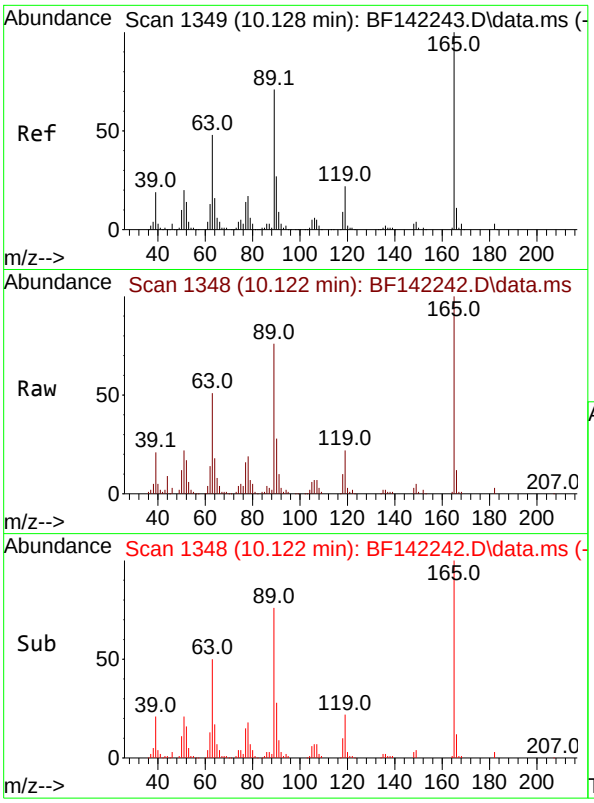


#56
4-Nitrophenol
Concen: 17.561 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:139 Resp: 70423

Ion	Ratio	Lower	Upper
139	100		
109	71.2	44.9	84.9
65	94.8	74.7	114.7

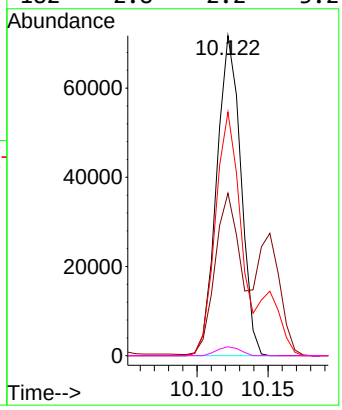




#57
2,4-Dinitrotoluene
Concen: 17.844 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:165 Resp: 8481

Ion	Ratio	Lower	Upper
165	100		
63	50.7	38.8	58.2
89	76.2	57.1	85.7
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
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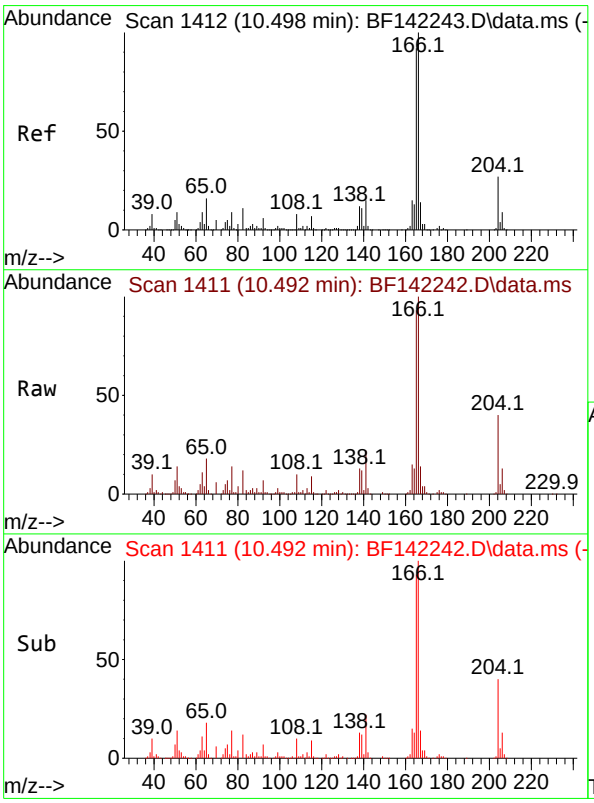
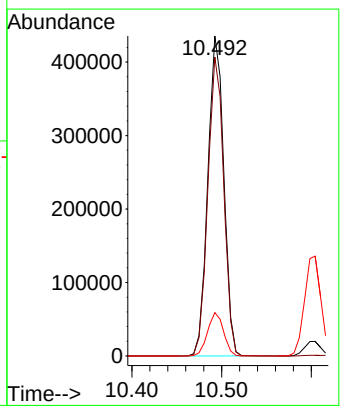
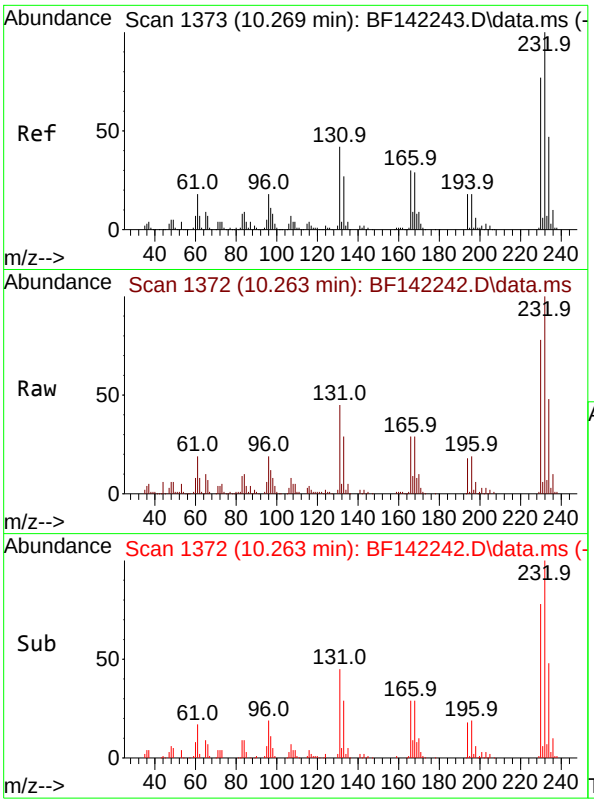


#58
Fluorene
Concen: 20.793 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:166 Resp: 538647

Ion	Ratio	Lower	Upper
166	100		
165	93.4	73.9	110.9
167	13.6	10.8	16.2

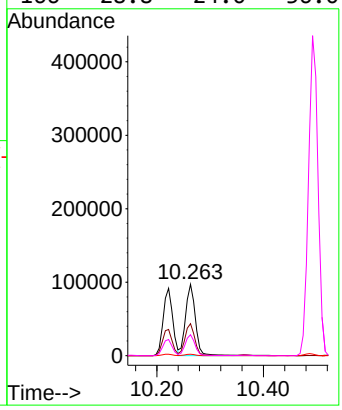




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.530 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:232 Resp: 12435

Ion	Ratio	Lower	Upper
232	100		
131	45.0	35.9	53.9
130	2.1	1.8	2.6
166	28.8	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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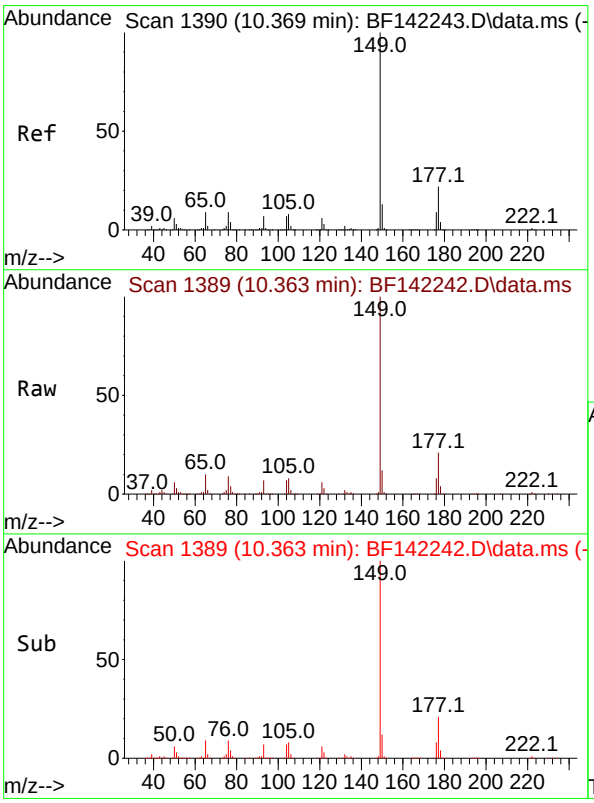
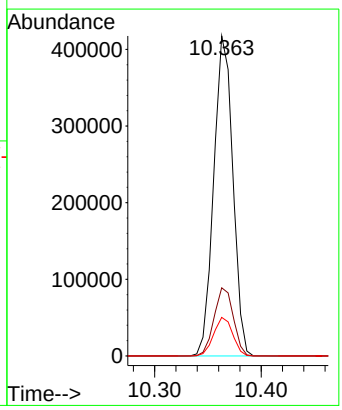
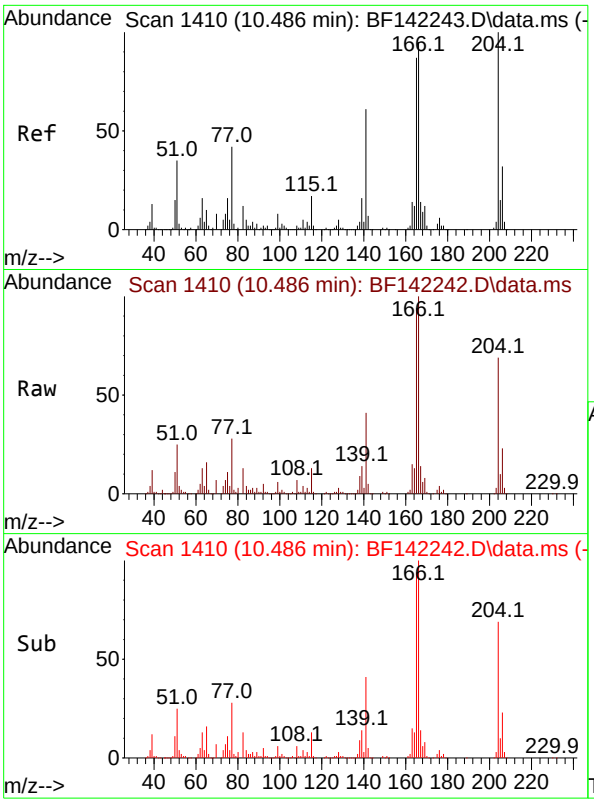


#60
Diethylphthalate
Concen: 20.611 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 519294

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.6	26.4
150	12.0	10.2	15.2

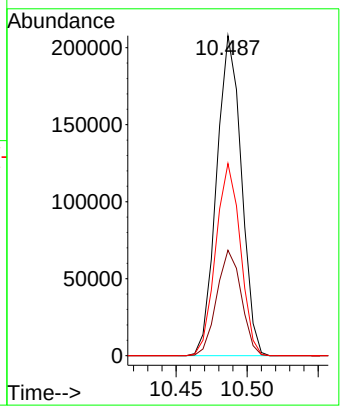




#61
4-Chlorophenyl-phenylether
Concen: 20.502 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:204 Resp: 25221

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.6	38.4
141	60.1	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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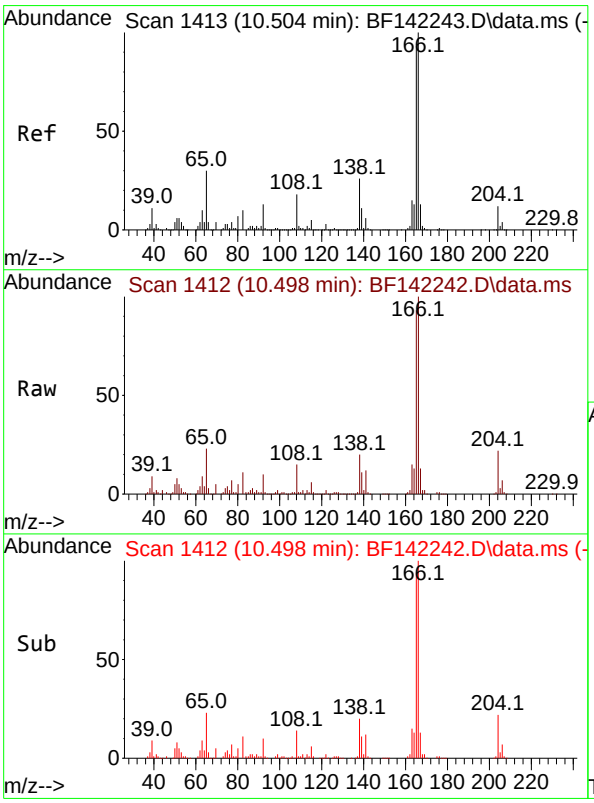
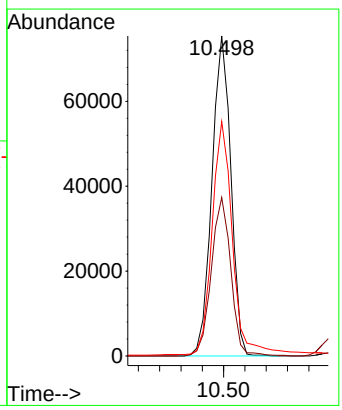
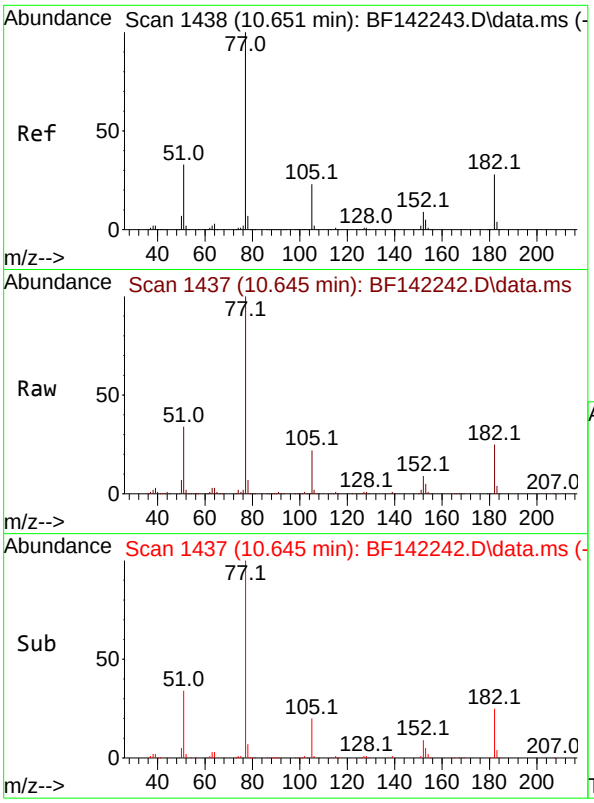


#62
4-Nitroaniline
Concen: 18.933 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:138 Resp: 92884

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.2	69.2
108	73.2	49.1	89.1

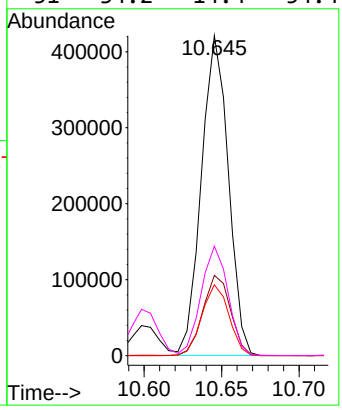




#63
Azobenzene
Concen: 20.438 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion: 77 Resp: 50848

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.2	2.5	42.5
51	34.2	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
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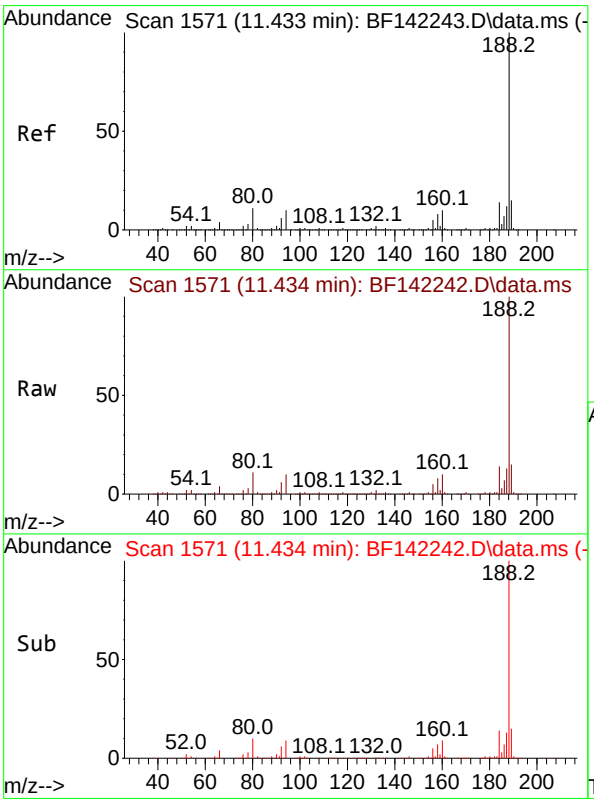
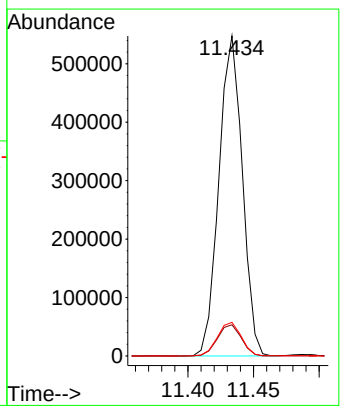
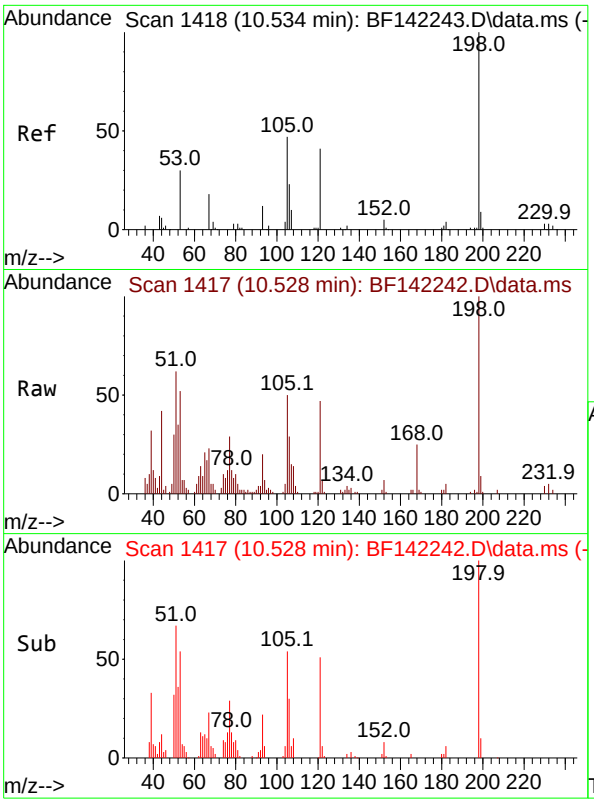


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.434 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:188 Resp: 679379

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.5	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 18.756 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:198 Resp: 2340

Ion	Ratio	Lower	Upper
198	100		
51	62.5	40.6	80.6
105	50.4	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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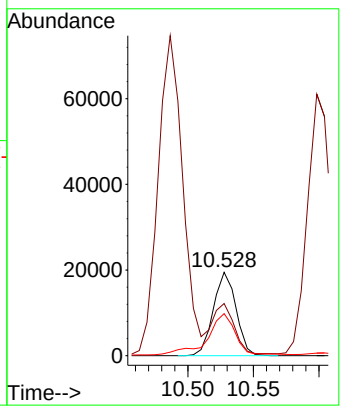
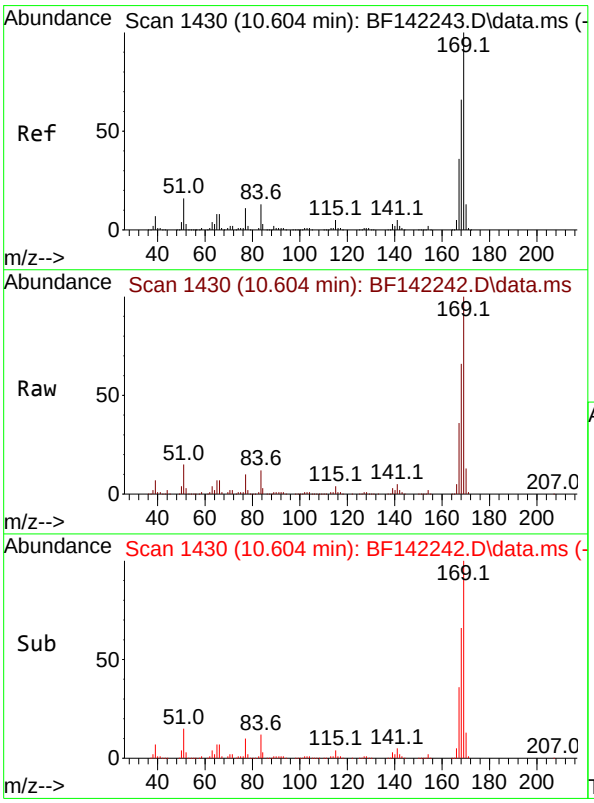
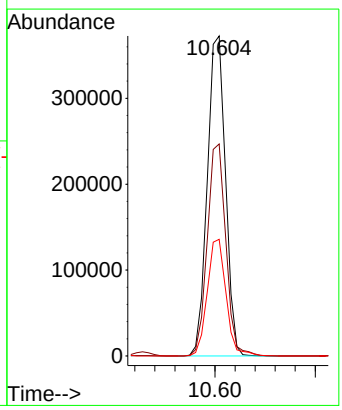


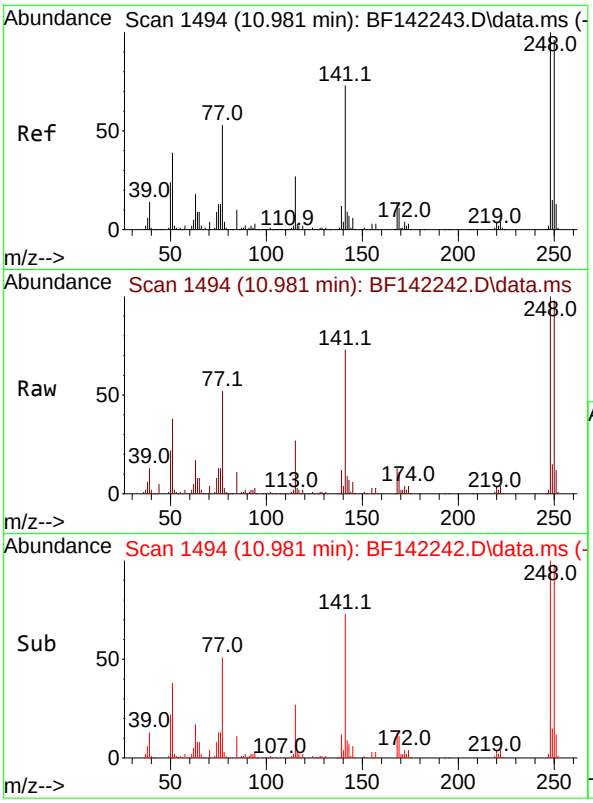


#66
n-Nitrosodiphenylamine
Concen: 20.280 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:169 Resp: 470767

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.4	28.8	43.2

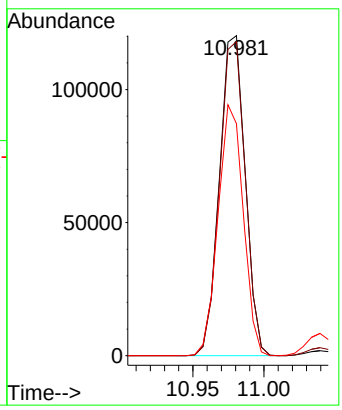




#67
4-Bromophenyl-phenylether
Concen: 20.053 ng
RT: 10.981 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:248 Resp: 15172(

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.2	115.8
141	72.5	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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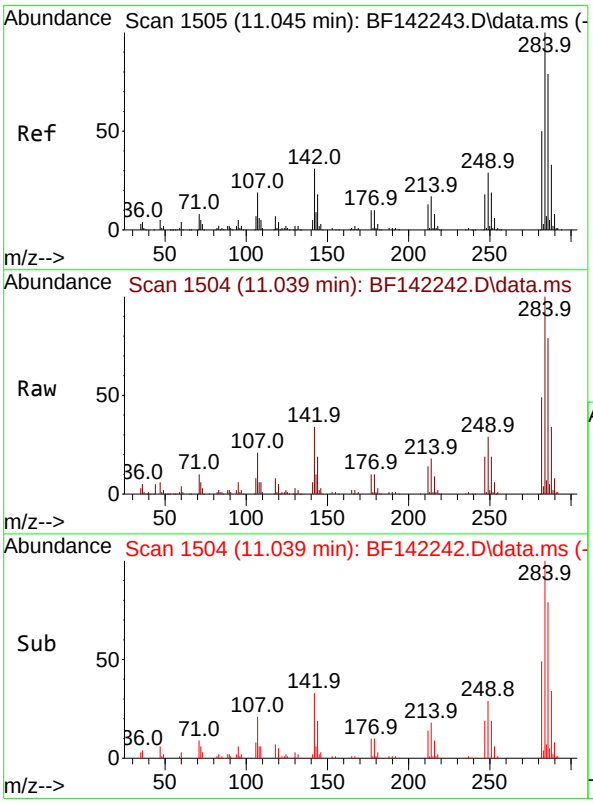
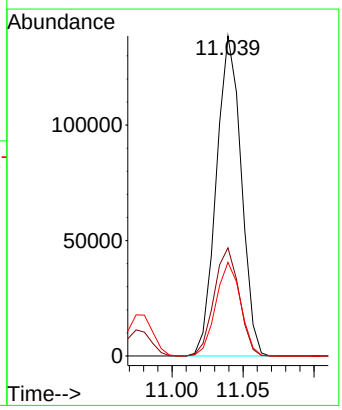
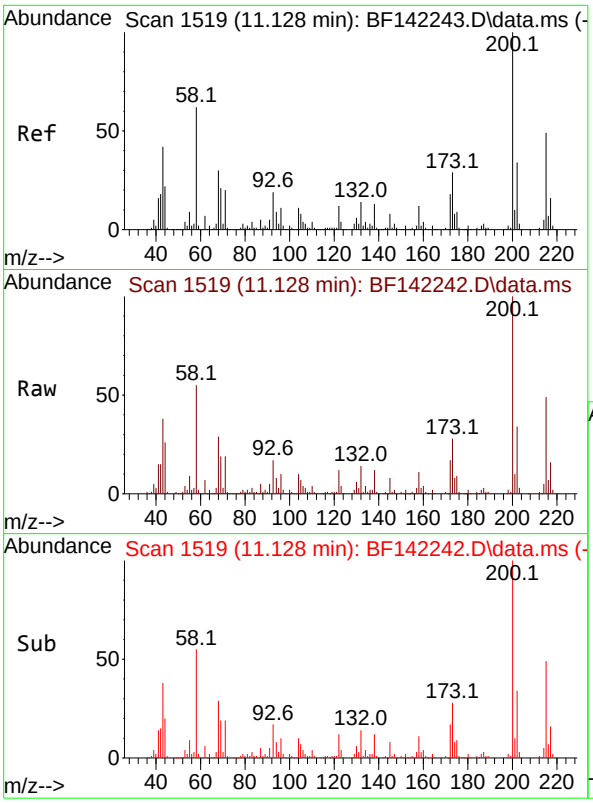


#68
Hexachlorobenzene
Concen: 19.916 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:284 Resp: 168767

Ion	Ratio	Lower	Upper
284	100		
142	33.8	24.6	37.0
249	29.3	23.2	34.8

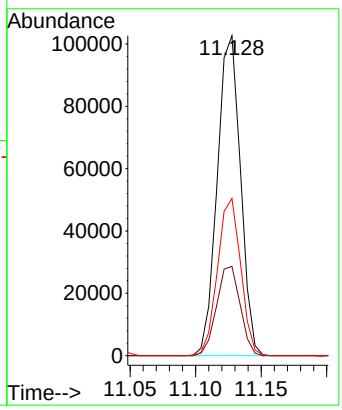




#69
Atrazine
Concen: 20.665 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:200 Resp: 12644

Ion	Ratio	Lower	Upper
200	100		
173	27.9	8.6	48.6
215	49.1	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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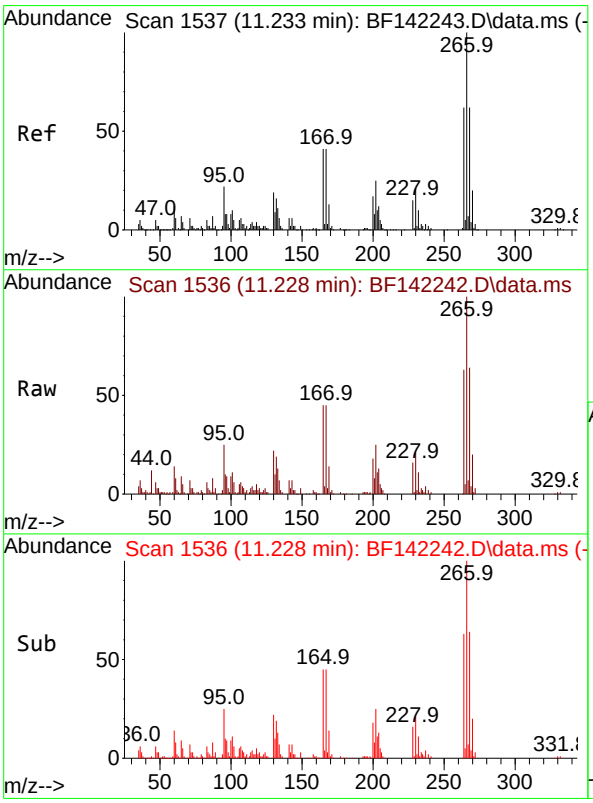
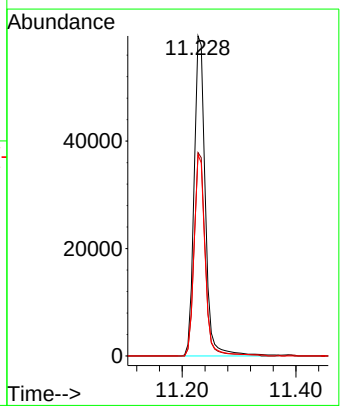
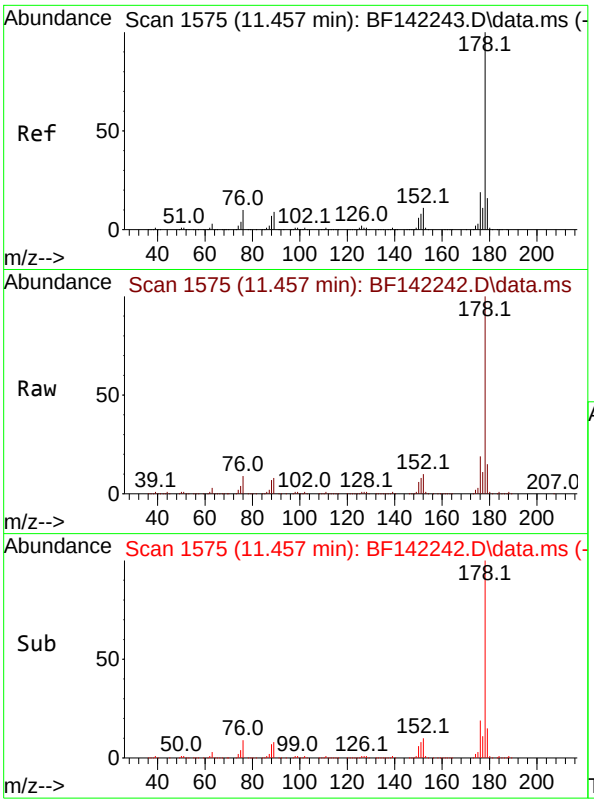


#70
Pentachlorophenol
Concen: 18.301 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.005 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:266 Resp: 81929

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.0	75.0
264	62.8	49.3	73.9

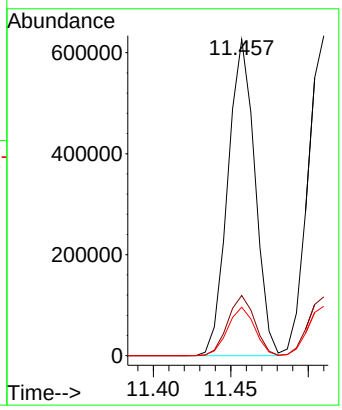




#71
Phenanthrene
Concen: 20.723 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:178 Resp: 76047

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.3	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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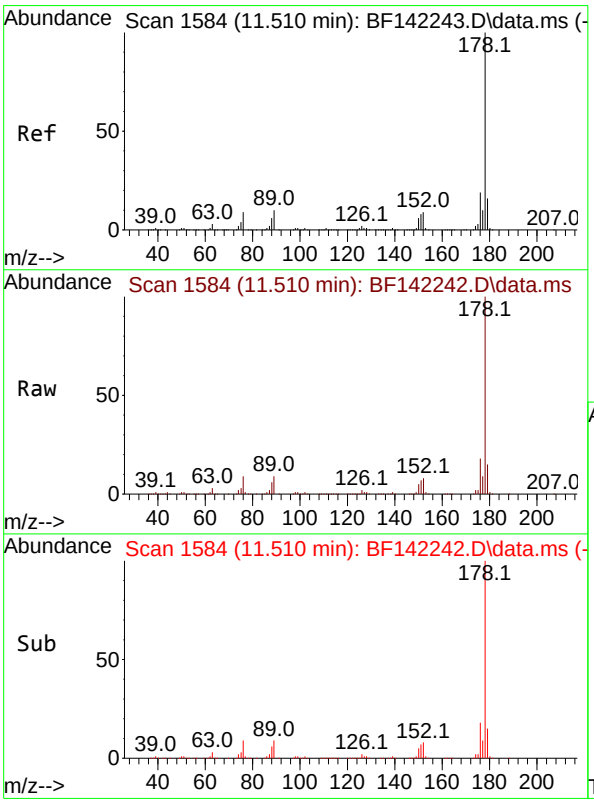
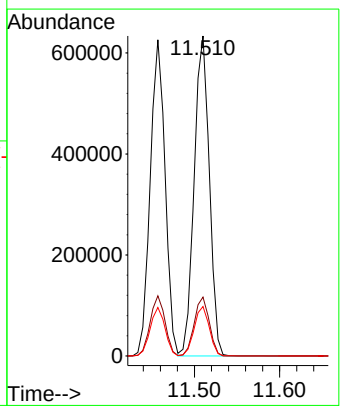
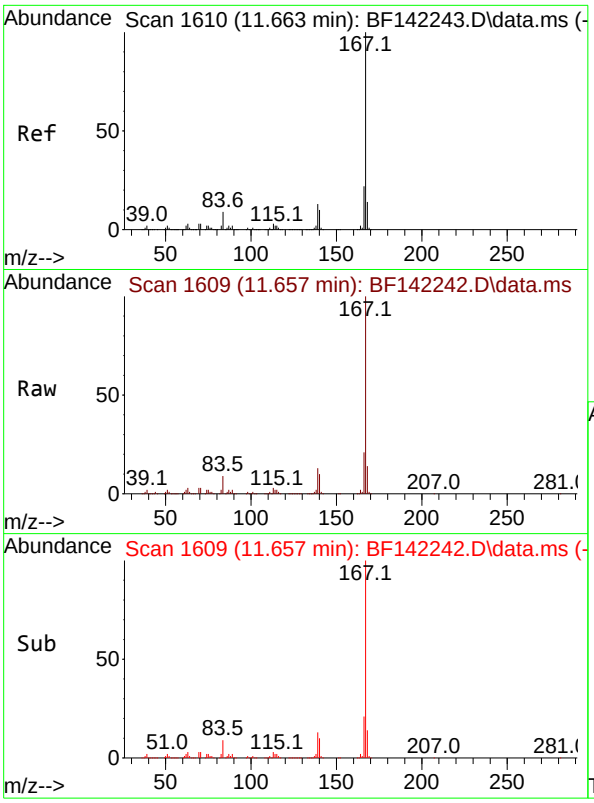


#72
Anthracene
Concen: 20.848 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:178 Resp: 782215

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.5	12.7	19.1

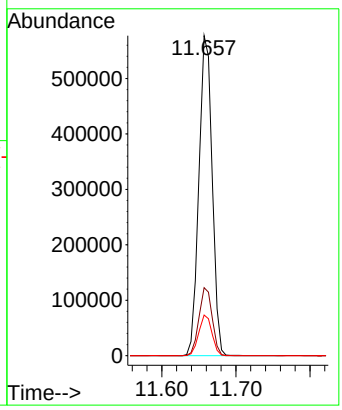




#73
Carbazole
Concen: 21.059 ng
RT: 11.657 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:167 Resp: 72077

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	12.7	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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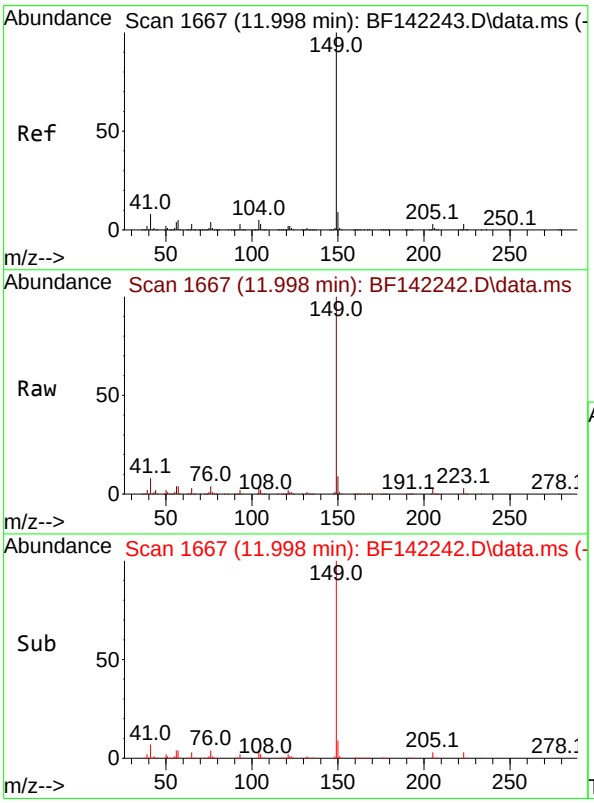
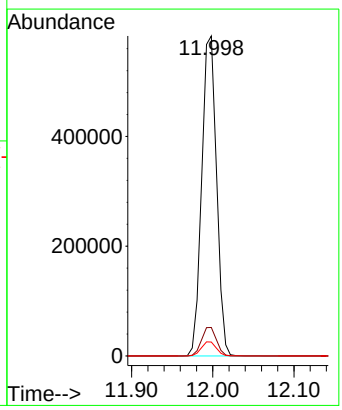
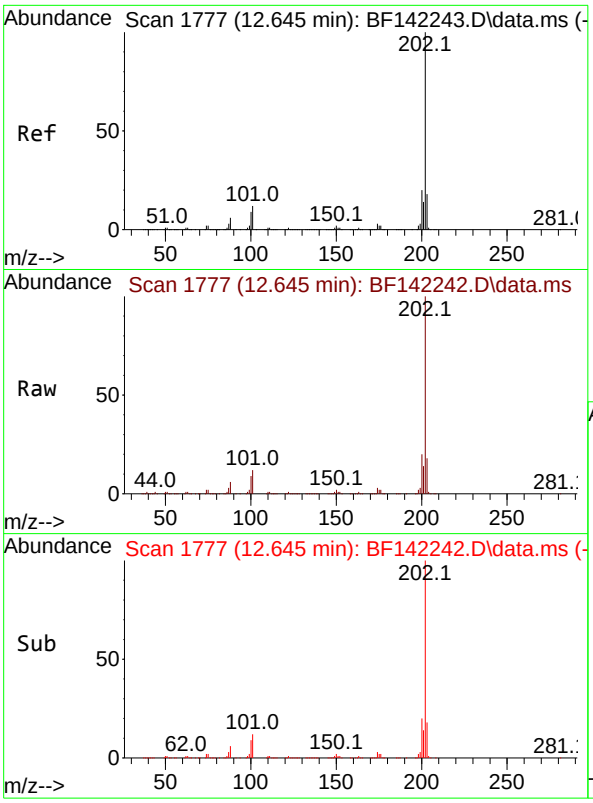


#74
Di-n-butylphthalate
Concen: 21.469 ng
RT: 11.998 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 739011

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	4.3	3.6	5.4

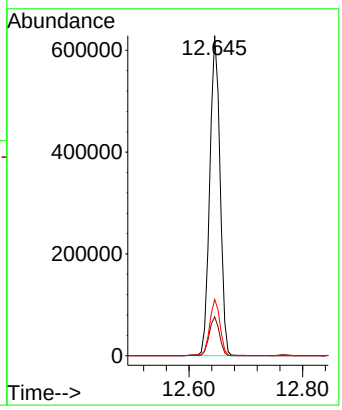




#75
Fluoranthene
Concen: 21.636 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:202 Resp: 78488

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.4
203	17.6	0.0	37.5



Instrument :
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ClientSampleId :
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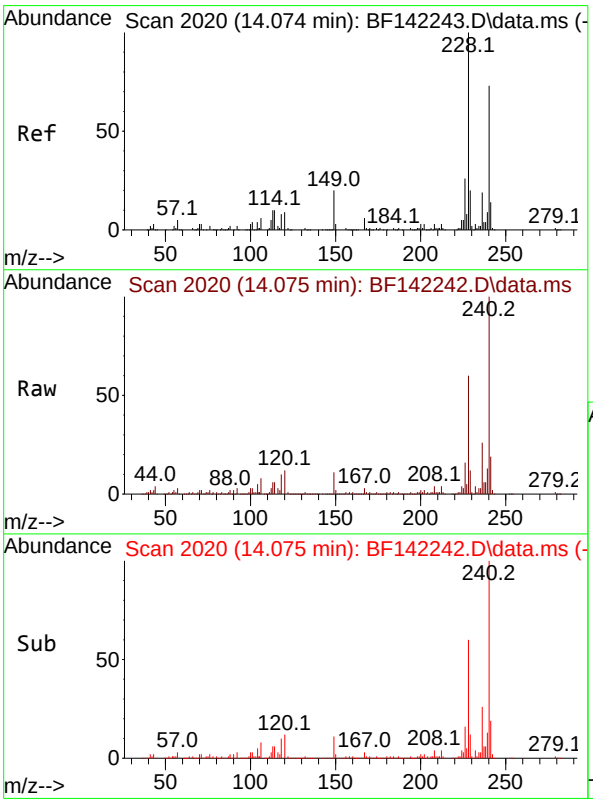
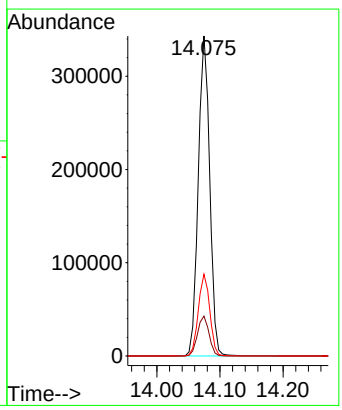
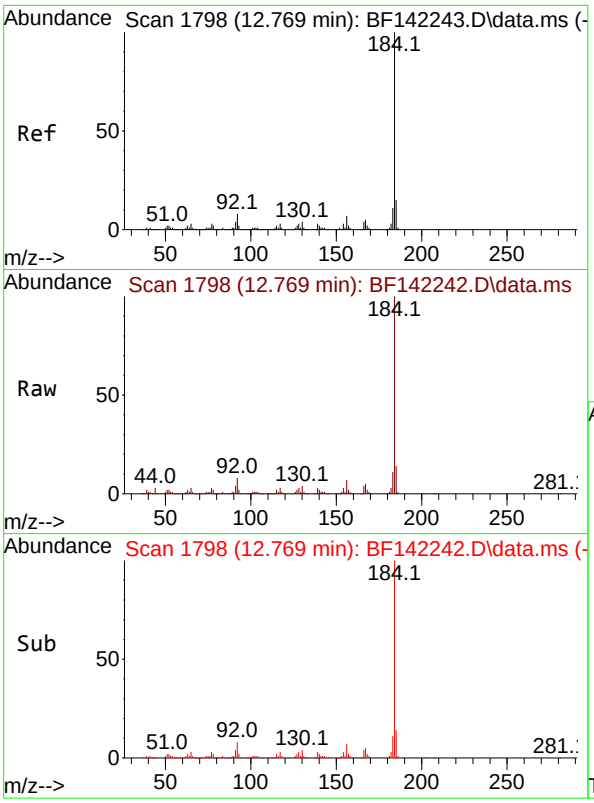


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.075 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:240 Resp: 430351

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.1	15.1
236	25.6	20.5	30.7

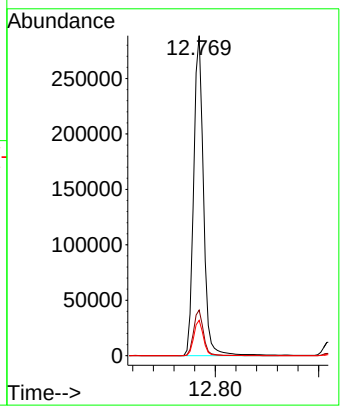




#77
Benzidine
Concen: 20.837 ng
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:184 Resp: 38103

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.8	17.6
183	11.1	8.9	13.3



Instrument :
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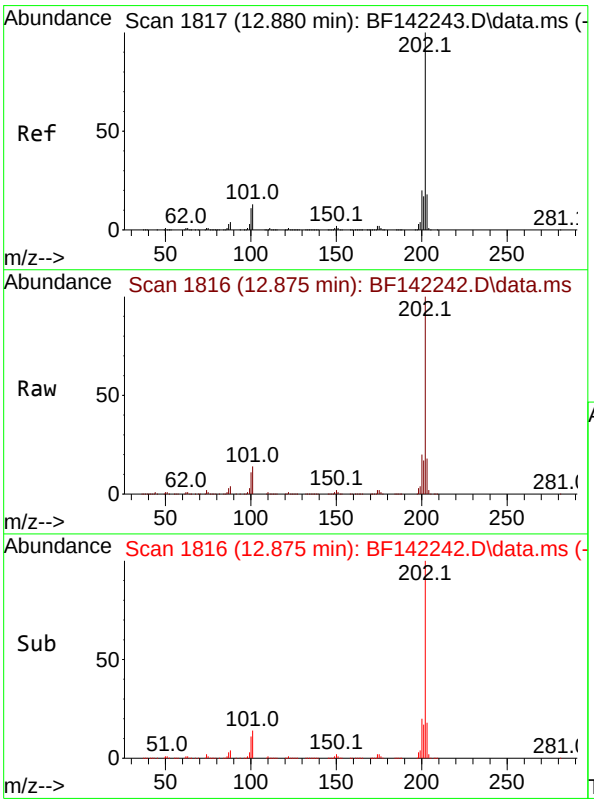
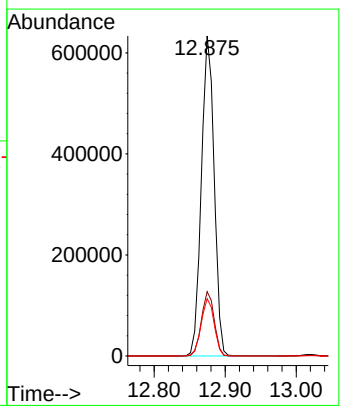
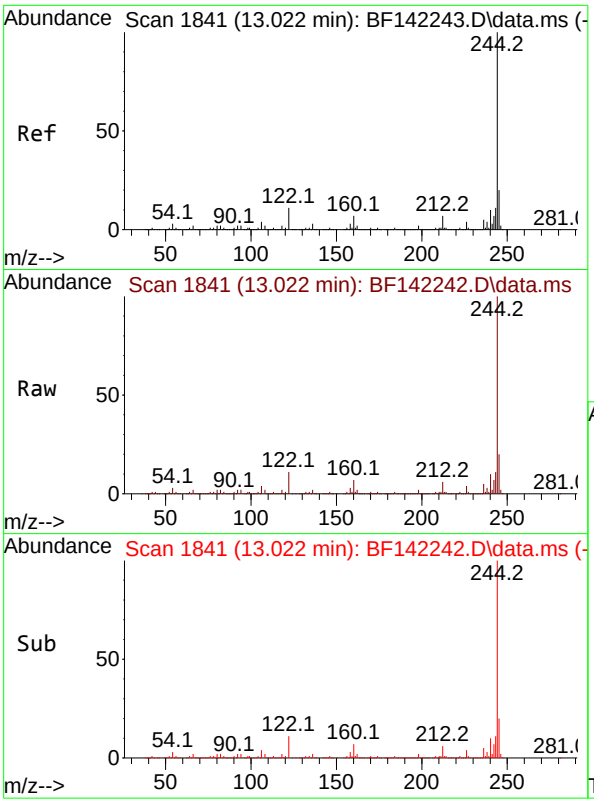


#78
Pyrene
Concen: 20.046 ng
RT: 12.875 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:202 Resp: 795806

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.9	14.1	21.1

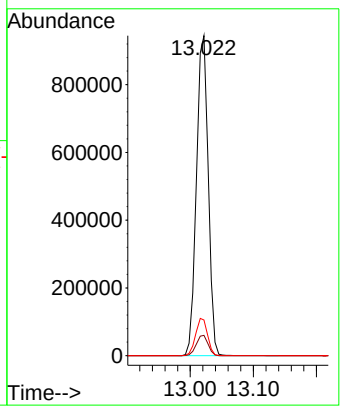




#79
Terphenyl-d14
Concen: 41.357 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:244 Resp: 122373

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.3	7.9
122	11.1	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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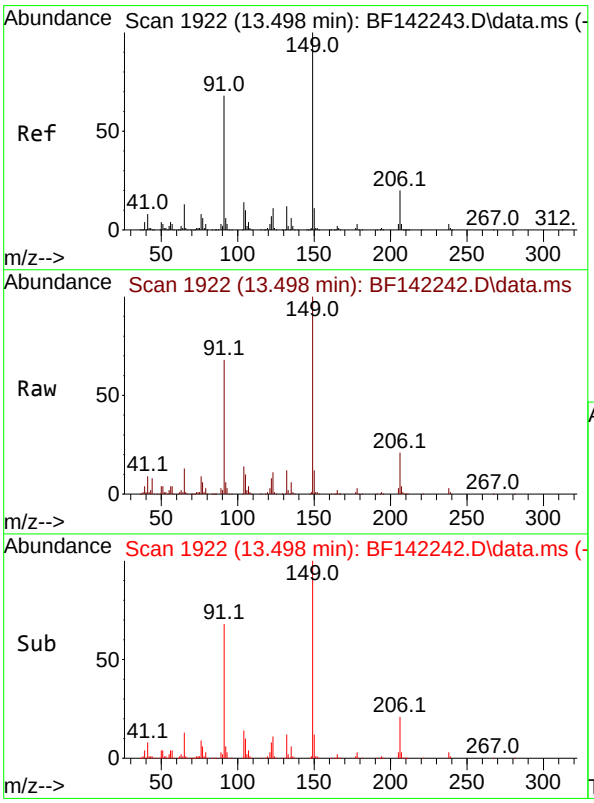
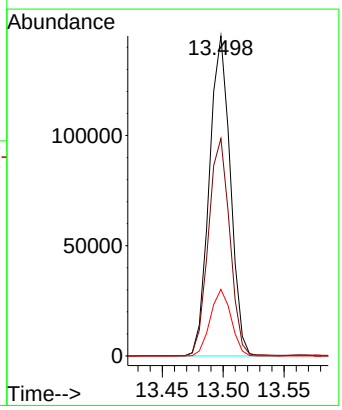
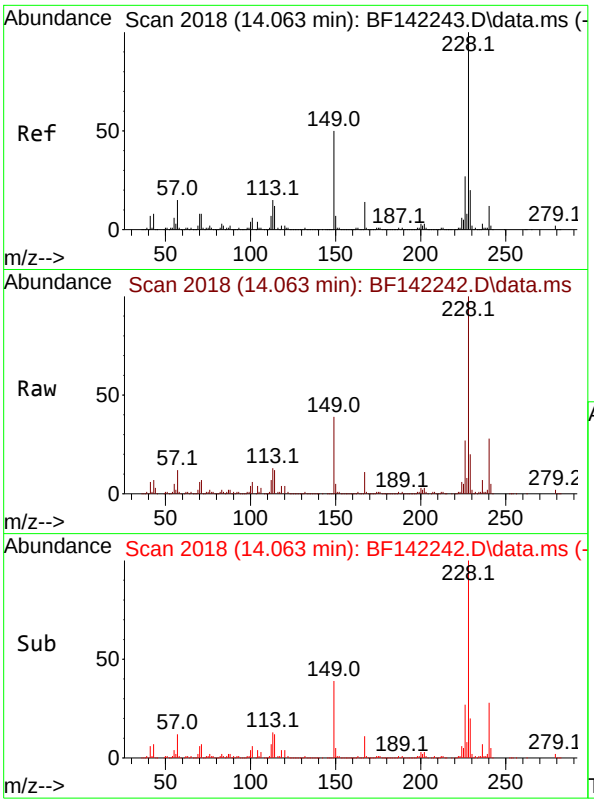


#80
Butylbenzylphthalate
Concen: 18.529 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 174268

Ion	Ratio	Lower	Upper
149	100		
91	67.9	54.4	81.6
206	20.8	15.9	23.9

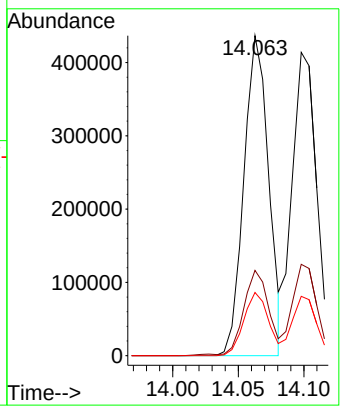




#81
Benzo(a)anthracene
Concen: 19.849 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:228 Resp: 57343

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.7	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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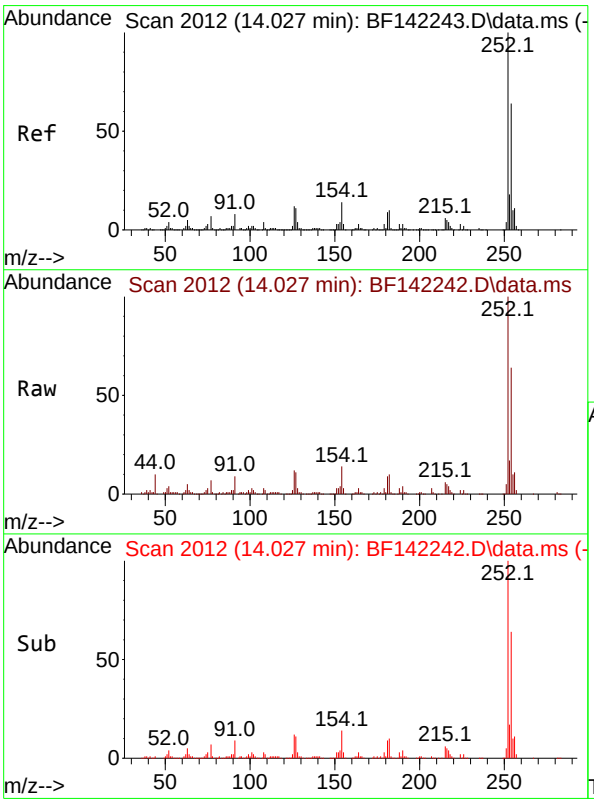
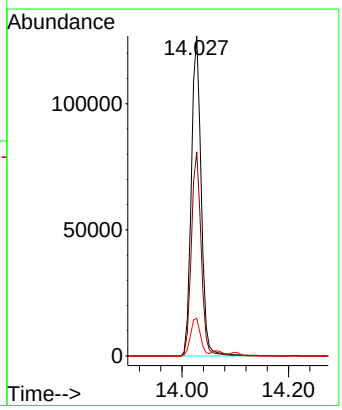
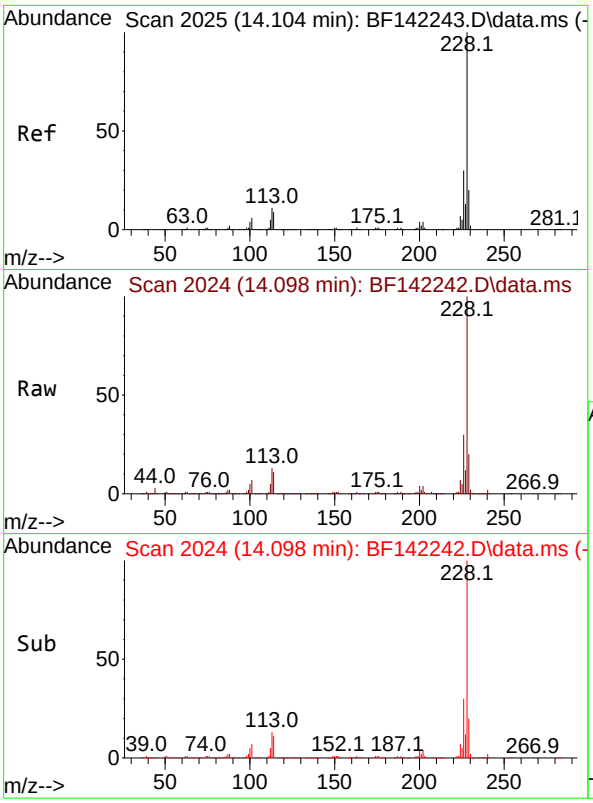


#82
3,3'-Dichlorobenzidine
Concen: 19.251 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 163359

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2

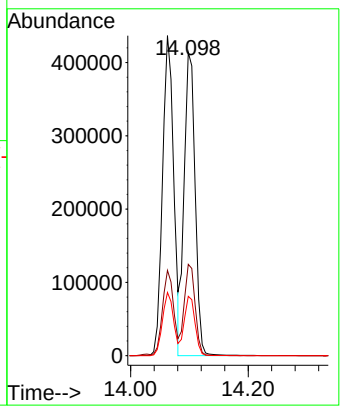




#83
Chrysene
Concen: 20.435 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:228 Resp: 53738

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
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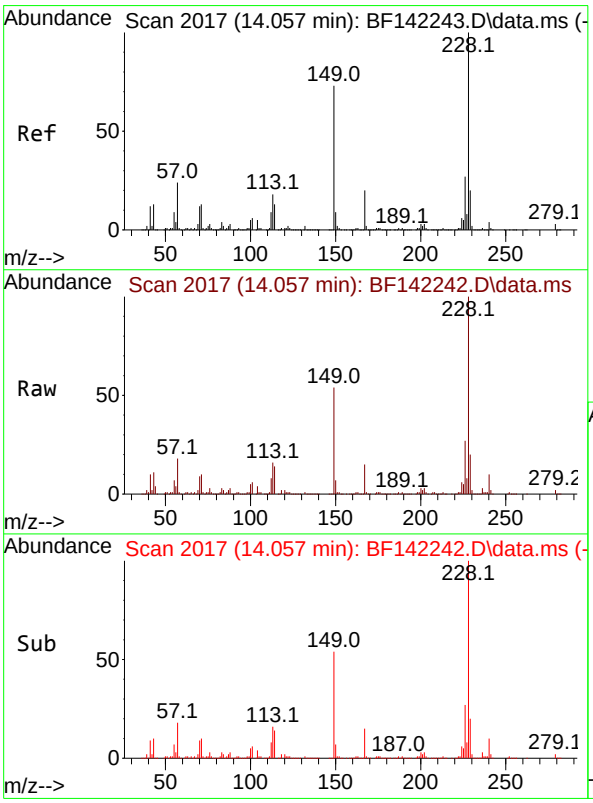
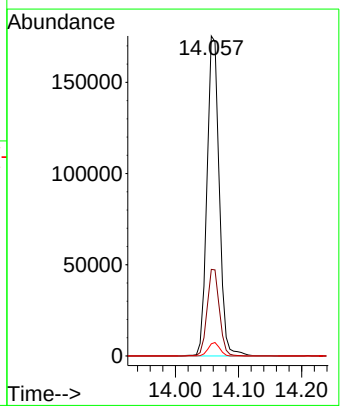
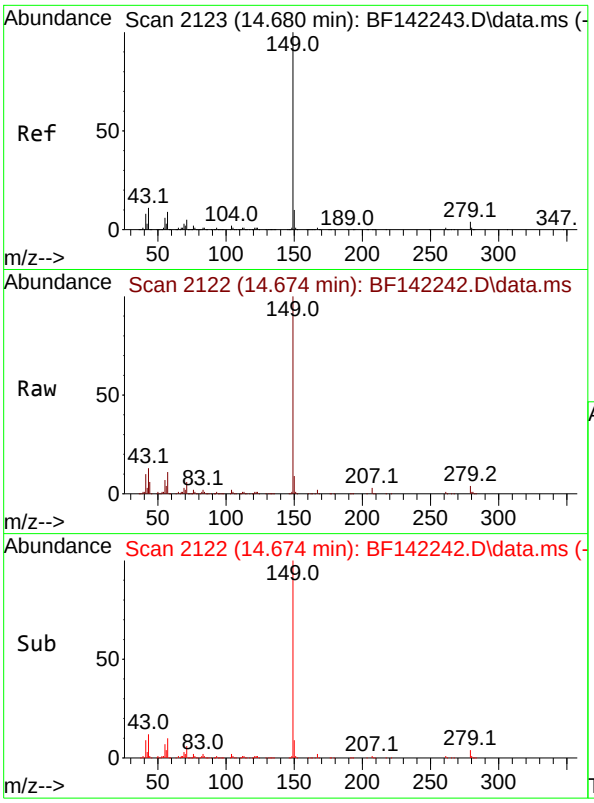


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.042 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 236325

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.8	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 17.998 ng
RT: 14.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:149 Resp: 37636

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.4	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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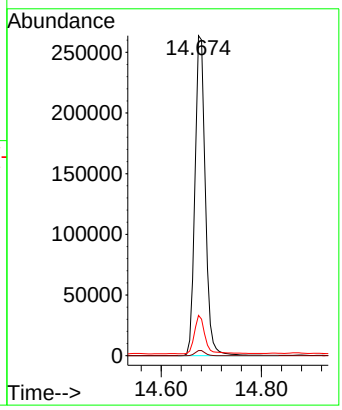
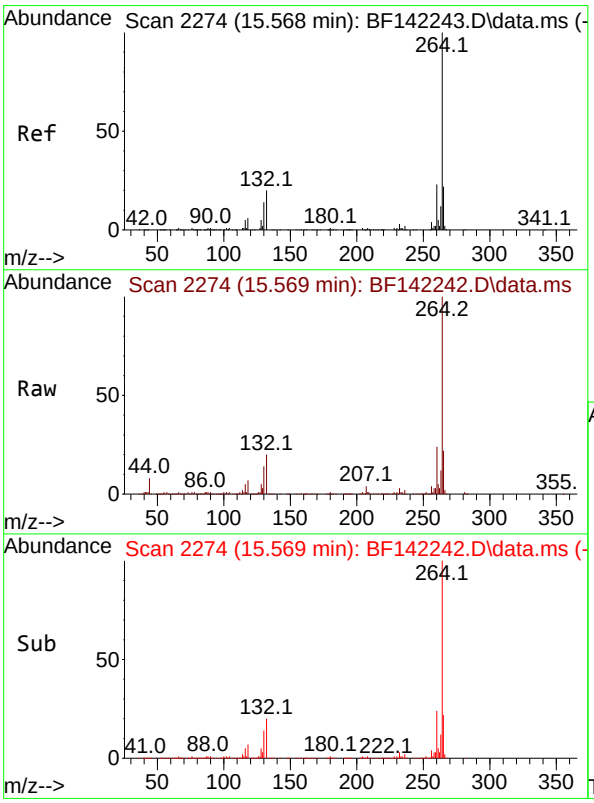
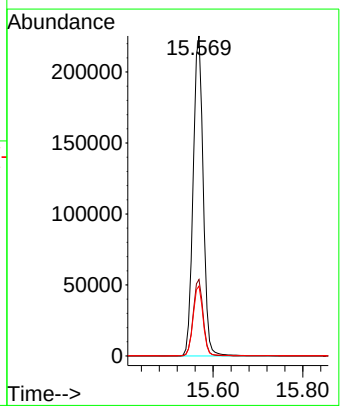


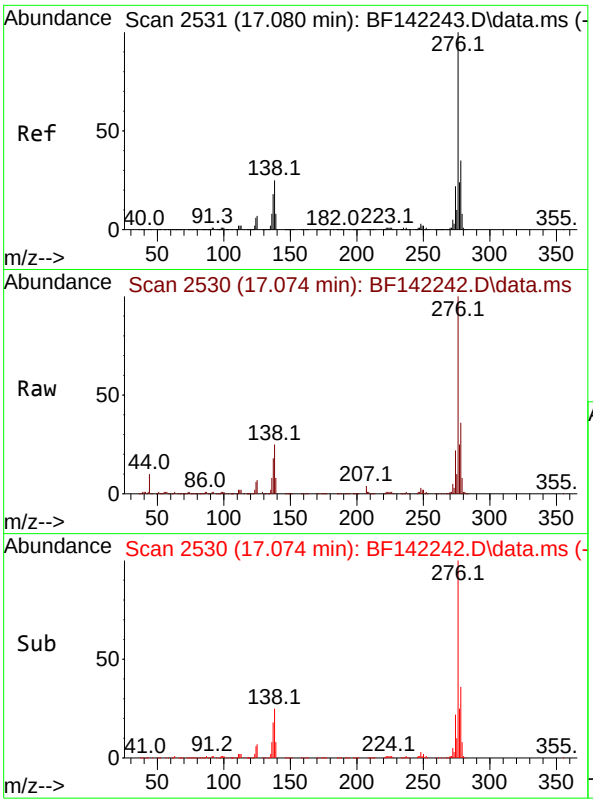


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:264 Resp: 350840

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	21.8	17.3	25.9

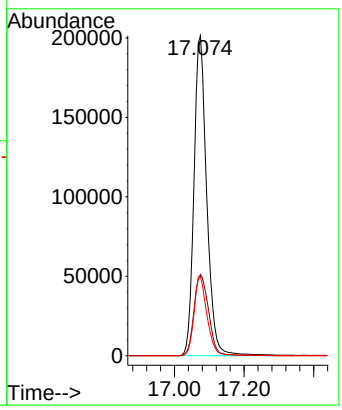




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.021 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:276 Resp: 51449

Ion	Ratio	Lower	Upper
276	100		
138	28.9	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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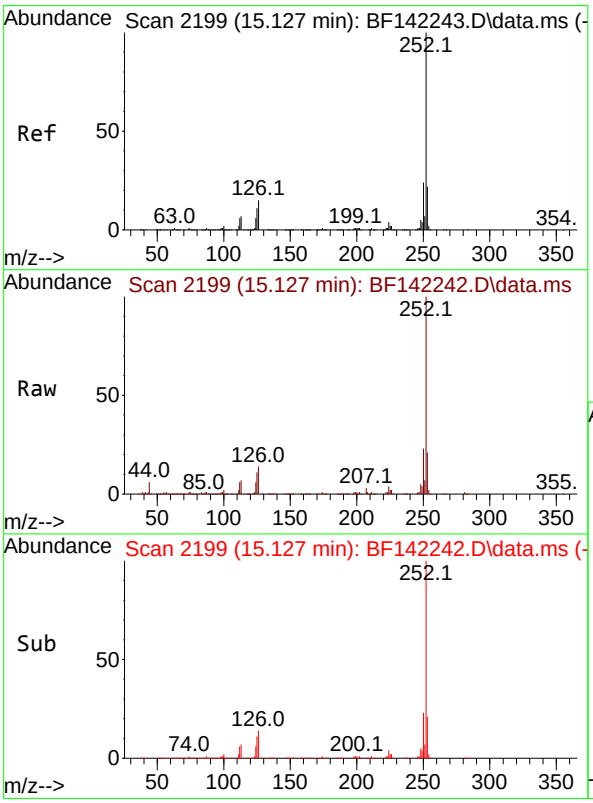
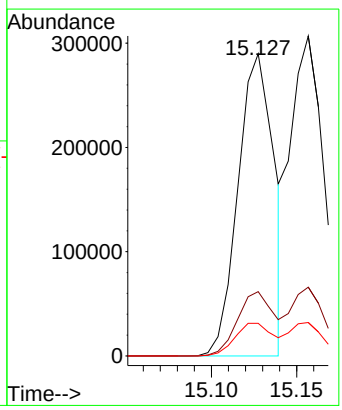
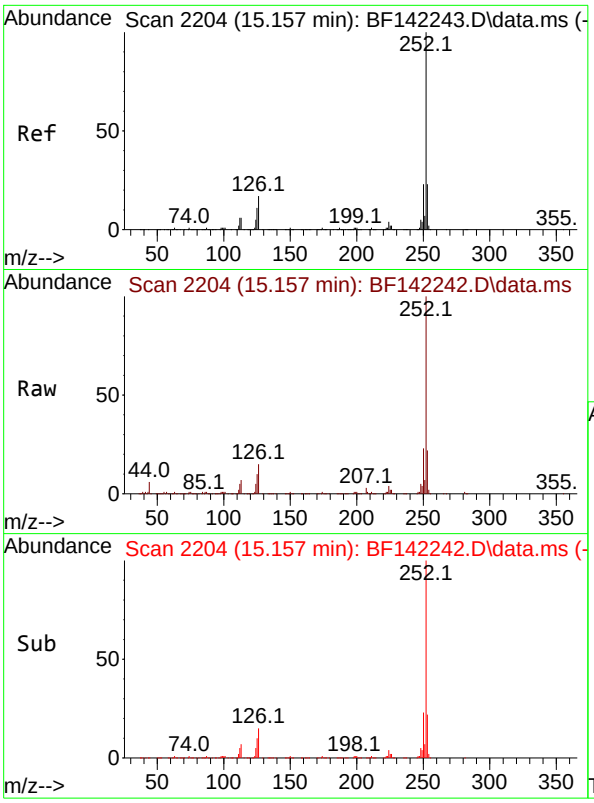


#88
Benzo(b)fluoranthene
Concen: 19.442 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 423694

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	10.8	9.0	13.4

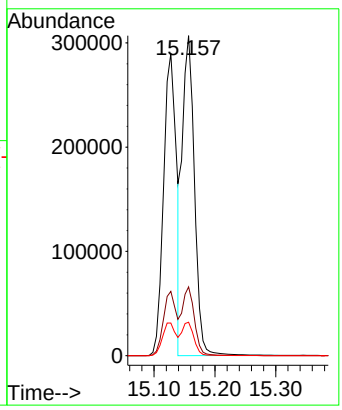




#89
Benzo(k)fluoranthene
Concen: 21.504 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 42864

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	10.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
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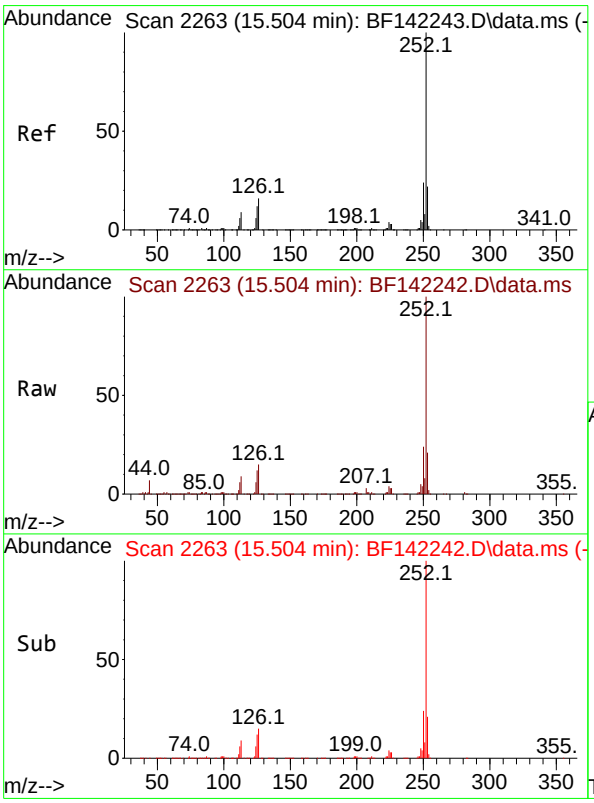
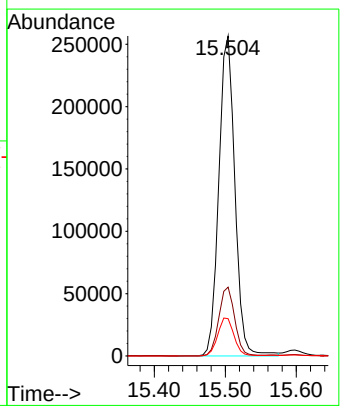
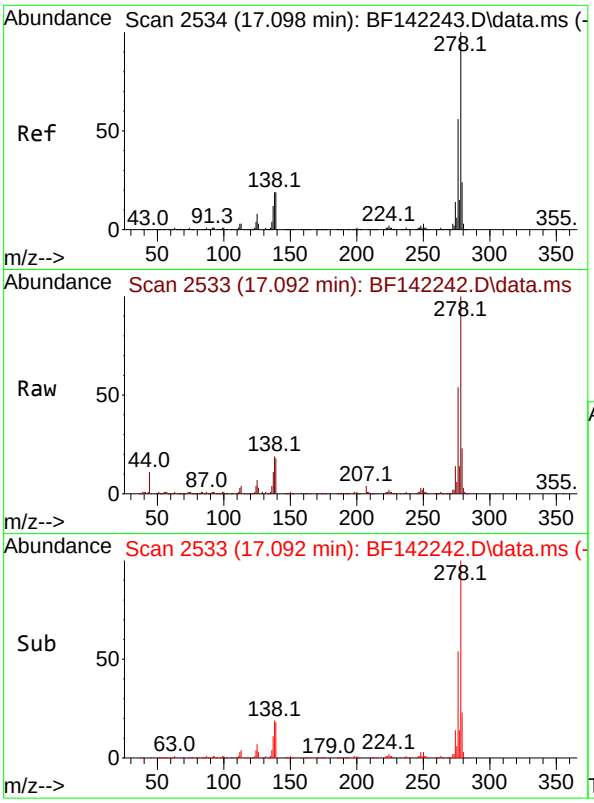


#90
Benzo(a)pyrene
Concen: 20.154 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:252 Resp: 402101

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.7	9.5	14.3

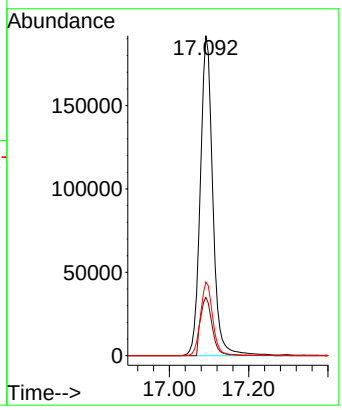




#91
Dibenzo(a,h)anthracene
Concen: 20.139 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:278 Resp: 42002

Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
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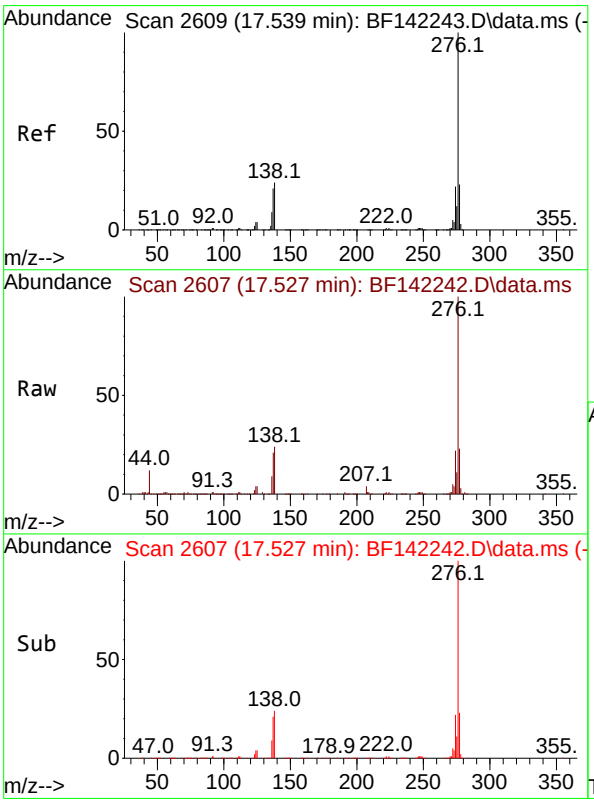
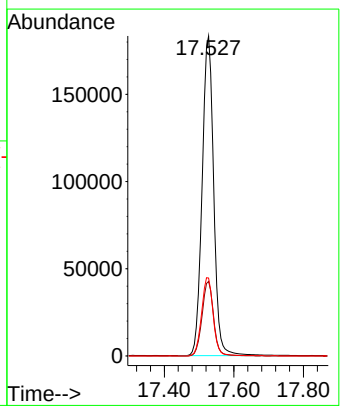
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 20.150 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF142242.D
Acq: 30 Apr 2025 12:49

Tgt Ion:276 Resp: 422497

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	24.4	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142243.D
Acq On : 30 Apr 2025 13:17
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	180007	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	706244	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	370869	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	616408	20.000	ng	0.00
76) Chrysene-d12	14.074	240	331192	20.000	ng	0.00
86) Perylene-d12	15.568	264	328405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	946150	83.944	ng	0.00
7) Phenol-d6	6.528	99	1146926	84.267	ng	0.00
23) Nitrobenzene-d5	7.475	82	961009	89.396	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	302223	89.389	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2089707	79.446	ng	0.00
79) Terphenyl-d14	13.022	244	1962470	86.181	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	213029	42.319	ng	100
3) Pyridine	3.463	79	547989	41.886	ng	100
4) n-Nitrosodimethylamine	3.410	42	290357	42.887	ng	100
6) Aniline	6.569	93	808338	41.959	ng	100
8) 2-Chlorophenol	6.693	128	496290	42.612	ng	100
9) Benzaldehyde	6.457	77	402047	42.263	ng	100
10) Phenol	6.540	94	617257	42.128	ng	100
11) bis(2-Chloroethyl)ether	6.646	93	474404	41.780	ng	100
12) 1,3-Dichlorobenzene	6.851	146	551813	41.881	ng	100
13) 1,4-Dichlorobenzene	6.928	146	556691	41.937	ng	100
14) 1,2-Dichlorobenzene	7.081	146	530895	41.892	ng	100
15) Benzyl Alcohol	7.046	79	413830	42.870	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.187	45	858875	41.888	ng	100
17) 2-Methylphenol	7.151	107	403467	42.287	ng	100
18) Hexachloroethane	7.428	117	183881	42.322	ng	100
19) n-Nitroso-di-n-propyla...	7.322	70	348288	41.410	ng	100
20) 3+4-Methylphenols	7.304	107	503856	42.229	ng	100
22) Acetophenone	7.316	105	660959	40.454	ng	100
24) Nitrobenzene	7.493	77	463357	43.929	ng	100
25) Isophorone	7.728	82	931763	41.299	ng	100
26) 2-Nitrophenol	7.804	139	162563	38.737	ng	100
27) 2,4-Dimethylphenol	7.834	122	476186	41.862	ng	100
28) bis(2-Chloroethoxy)met...	7.940	93	586887	41.247	ng	100
29) 2,4-Dichlorophenol	8.040	162	410487	43.163	ng	100
30) 1,2,4-Trichlorobenzene	8.134	180	440825	41.539	ng	100
31) Naphthalene	8.216	128	1441240	40.920	ng	100
32) Benzoic acid	7.934	122	184052m	37.083	ng	
33) 4-Chloroaniline	8.257	127	606136	41.328	ng	100
34) Hexachlorobutadiene	8.334	225	260821	42.125	ng	100
35) Caprolactam	8.622	113	122598	42.889	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	417126	42.715	ng	100
37) 2-Methylnaphthalene	8.904	142	880315	40.652	ng	100
38) 1-Methylnaphthalene	9.004	142	920983	41.054	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	427286	40.938	ng	100
41) Hexachlorocyclopentadiene	9.057	237	260979	44.056	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	274555	42.450	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142243.D
Acq On : 30 Apr 2025 13:17
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 30 15:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	299967	44.113	ng	100
46) 1,1'-Biphenyl	9.369	154	1172400	40.664	ng	100
47) 2-Chloronaphthalene	9.392	162	879152	40.984	ng	100
48) 2-Nitroaniline	9.487	65	218766	39.600	ng	100
49) Acenaphthylene	9.810	152	1481543	40.929	ng	100
50) Dimethylphthalate	9.669	163	980172	41.312	ng	100
51) 2,6-Dinitrotoluene	9.728	165	178867	40.034	ng	100
52) Acenaphthene	9.981	154	869604	41.145	ng	100
53) 3-Nitroaniline	9.892	138	221168	40.485	ng	100
54) 2,4-Dinitrophenol	9.998	184	42260	38.466	ng	100
55) Dibenzofuran	10.151	168	1293035	40.813	ng	100
56) 4-Nitrophenol	10.039	139	159989	42.900	ng	100
57) 2,4-Dinitrotoluene	10.128	165	211218	39.352	ng	100
58) Fluorene	10.498	166	976948	40.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	247655	43.967	ng	100
60) Diethylphthalate	10.369	149	974036	41.573	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	468898	40.986	ng	100
62) 4-Nitroaniline	10.504	138	201491	40.498	ng	100
63) Azobenzene	10.651	77	948440	40.994	ng	100
65) 4,6-Dinitro-2-methylph...	10.534	198	67678	36.574	ng	100
66) n-Nitrosodiphenylamine	10.604	169	877338	41.656	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	291063	42.400	ng	100
68) Hexachlorobenzene	11.045	284	321448	41.809	ng	100
69) Atrazine	11.128	200	234825	42.299	ng	100
70) Pentachlorophenol	11.233	266	177755	43.764	ng	100
71) Phenanthrene	11.457	178	1371009	41.176	ng	100
72) Anthracene	11.510	178	1390308	40.840	ng	100
73) Carbazole	11.663	167	1273184	40.999	ng	100
74) Di-n-butylphthalate	11.998	149	1317363	42.180	ng	100
75) Fluoranthene	12.645	202	1338006	40.652	ng	100
77) Benzidine	12.769	184	638142	45.346	ng	100
78) Pyrene	12.880	202	1341800	43.920	ng	100
80) Butylbenzylphthalate	13.498	149	334175	40.624	ng	100
81) Benzo(a)anthracene	14.063	228	952290	42.831	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	292958	44.859	ng	100
83) Chrysene	14.104	228	816041	40.321	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	460074	40.356	ng	100
85) Di-n-octyl phthalate	14.680	149	836078	40.504	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1059591	44.049	ng	100
88) Benzo(b)fluoranthene	15.127	252	854971	41.912	ng	100
89) Benzo(k)fluoranthene	15.157	252	752135	40.310	ng	100
90) Benzo(a)pyrene	15.504	252	790330	42.318	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	861783	44.142	ng	100
92) Benzo(g,h,i)perylene	17.539	276	858804	43.758	ng	100

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

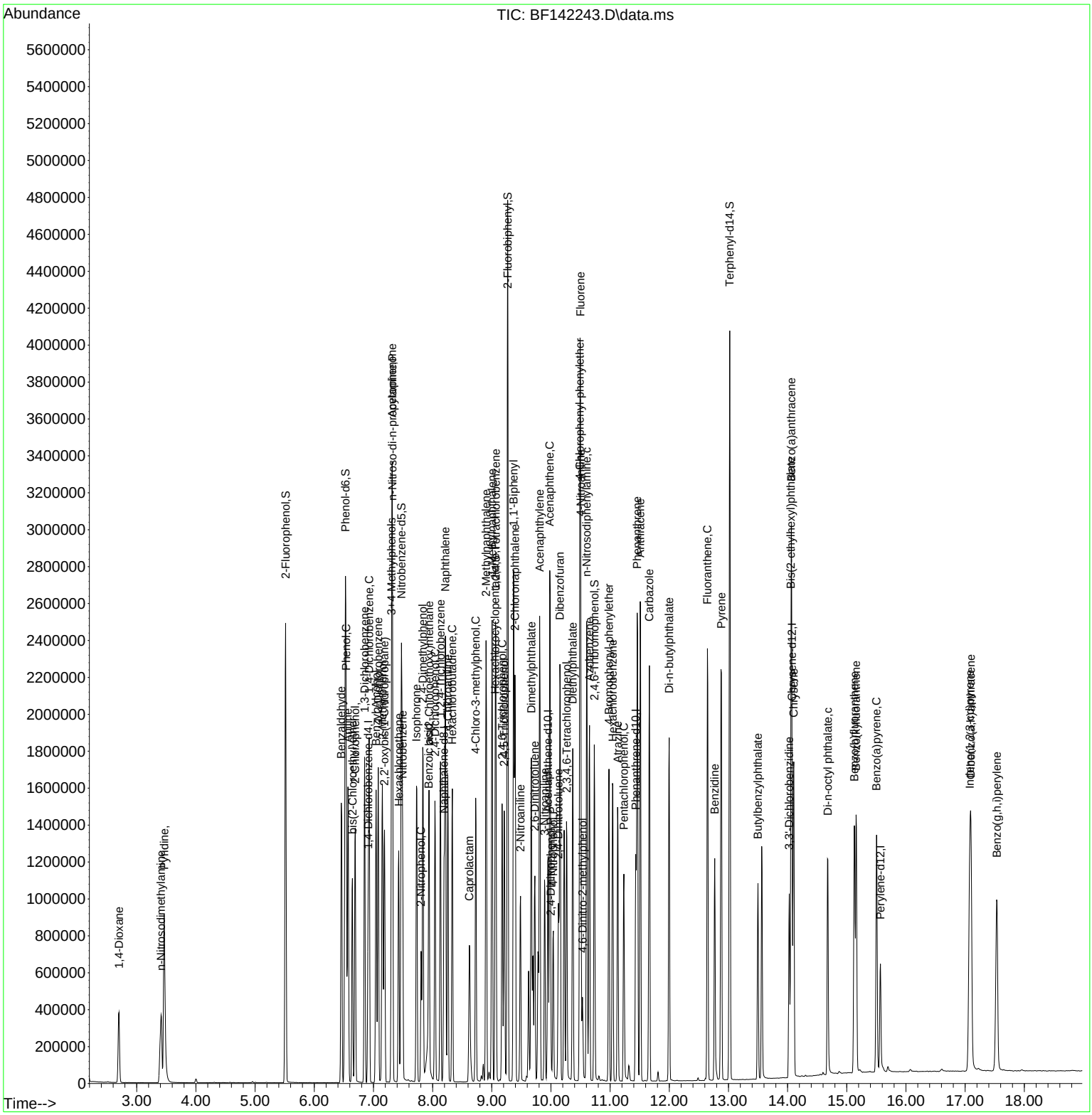
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142243.D
Acq On : 30 Apr 2025 13:17
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

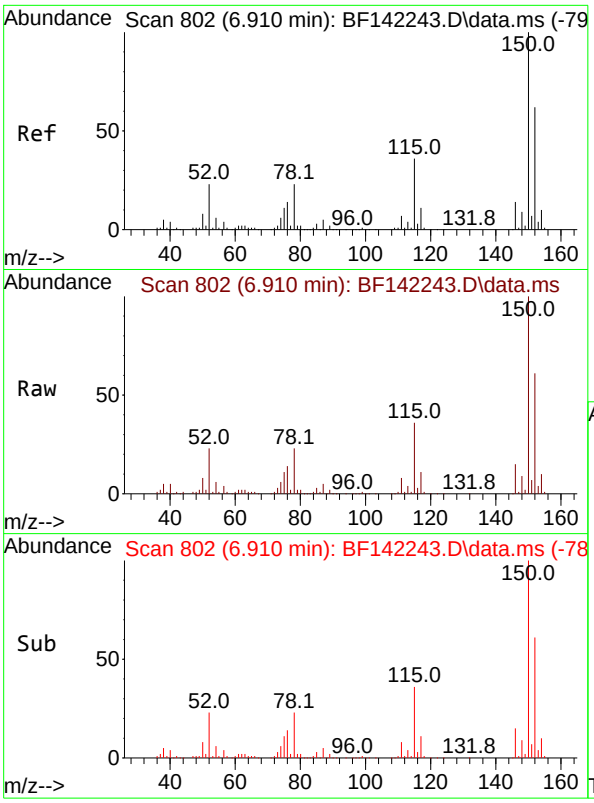
Quant Time: Apr 30 15:43:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

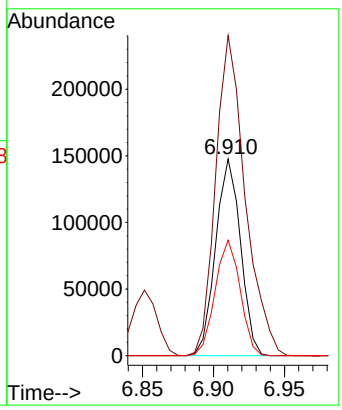




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:152 Resp: 18000

Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	58.7	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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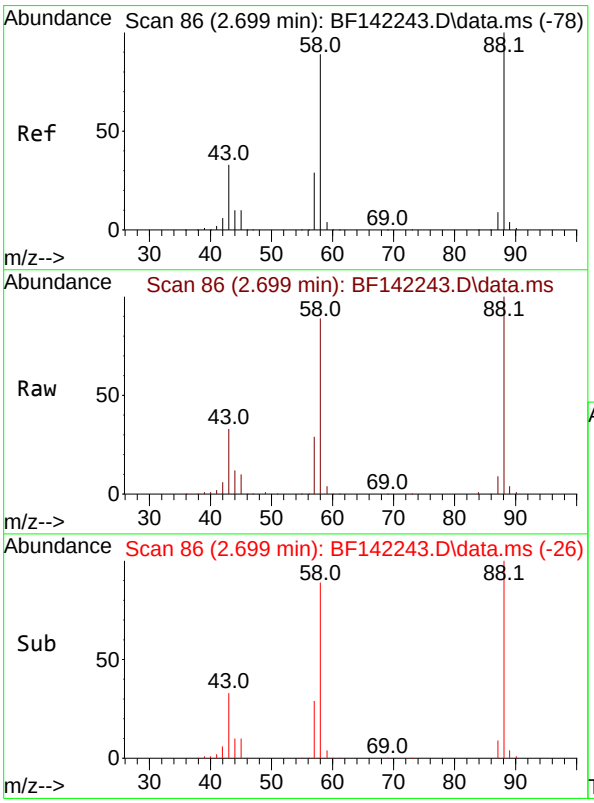
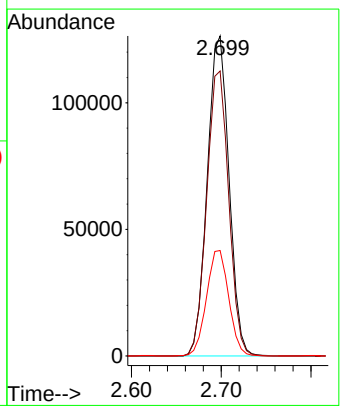
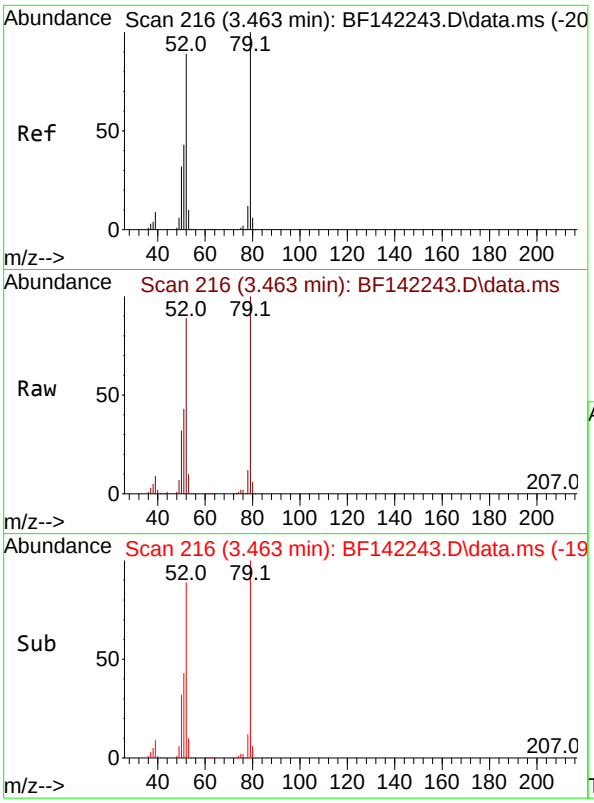


#2
1,4-Dioxane
Concen: 42.319 ng
RT: 2.699 min Scan# 86
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 88 Resp: 213029

Ion	Ratio	Lower	Upper
88	100		
58	90.2	72.2	108.2
43	33.8	27.0	40.6

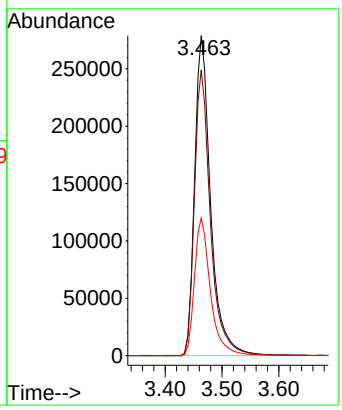




#3
Pyridine
Concen: 41.886 ng
RT: 3.463 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 79 Resp: 54798

Ion	Ratio	Lower	Upper
79	100		
52	89.4	71.5	107.3
51	43.1	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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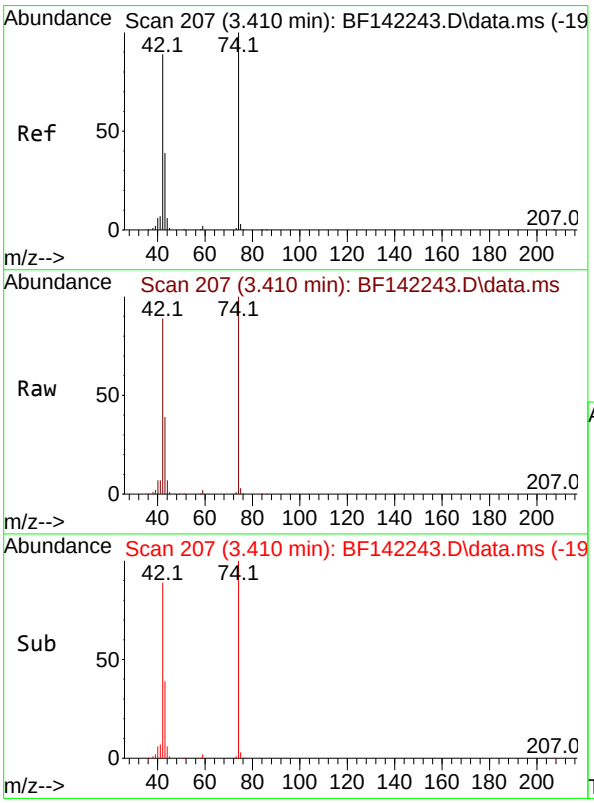
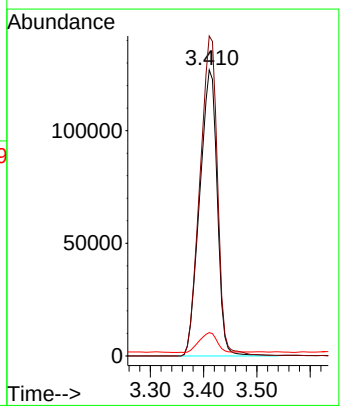
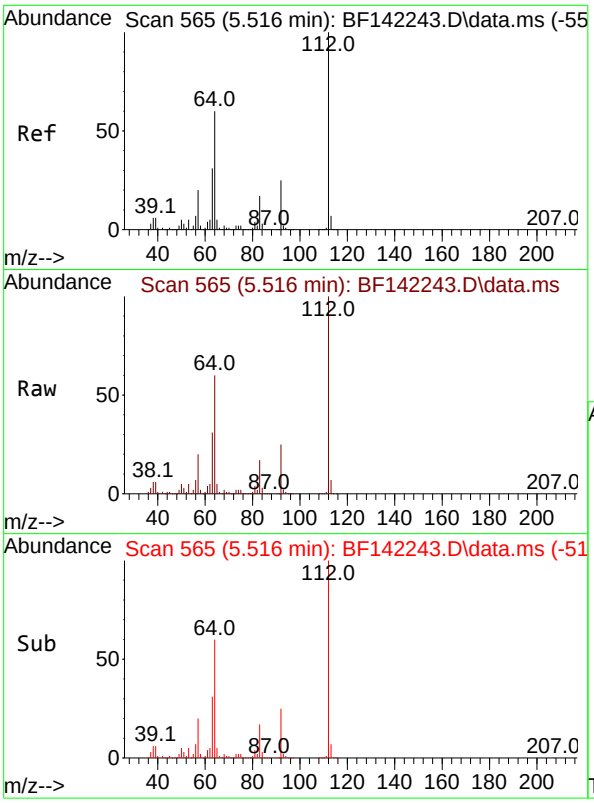


#4
n-Nitrosodimethylamine
Concen: 42.887 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 42 Resp: 290357

Ion	Ratio	Lower	Upper
42	100		
74	111.9	89.5	134.3
44	8.2	6.6	9.8





#5
2-Fluorophenol
Concen: 83.944 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:112 Resp: 94615

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.4	72.6
63	31.0	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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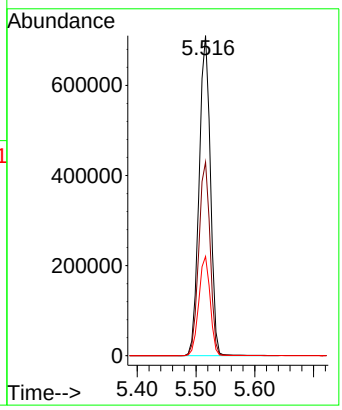
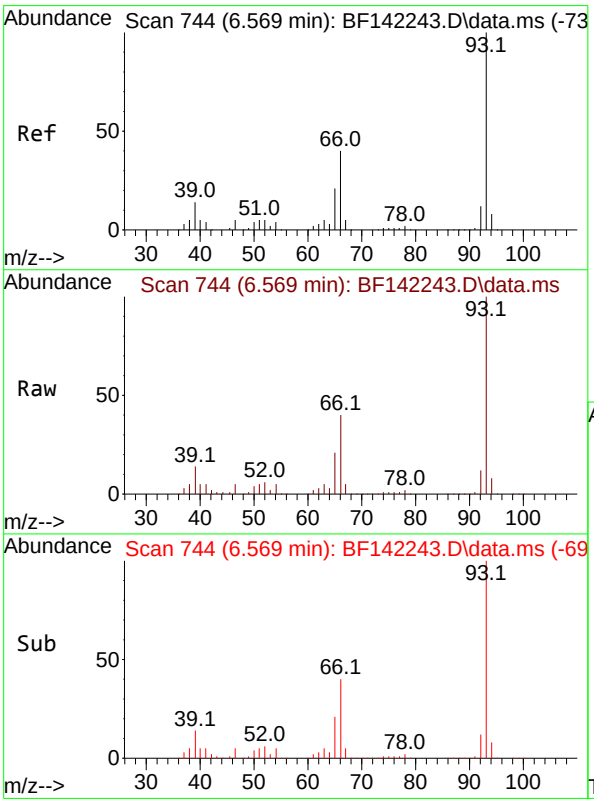
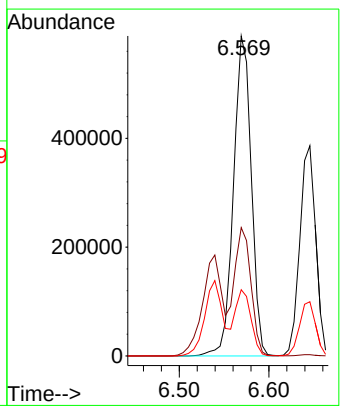


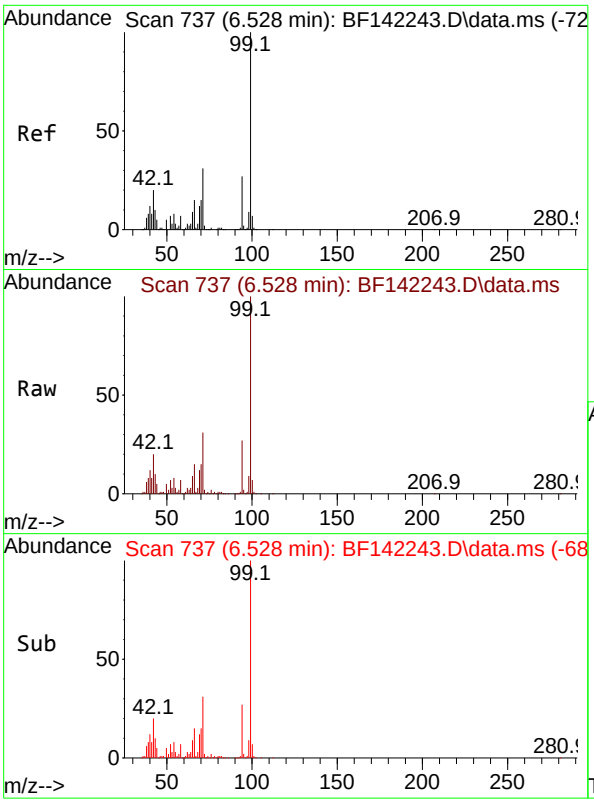


#6
Aniline
Concen: 41.959 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 93 Resp: 808338

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.1	48.1
65	20.7	16.6	24.8

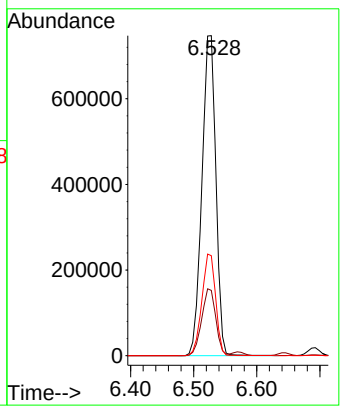




#7
Phenol-d6
Concen: 84.267 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 99 Resp: 114692

Ion	Ratio	Lower	Upper
99	100		
42	20.4	16.3	24.5
71	31.2	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
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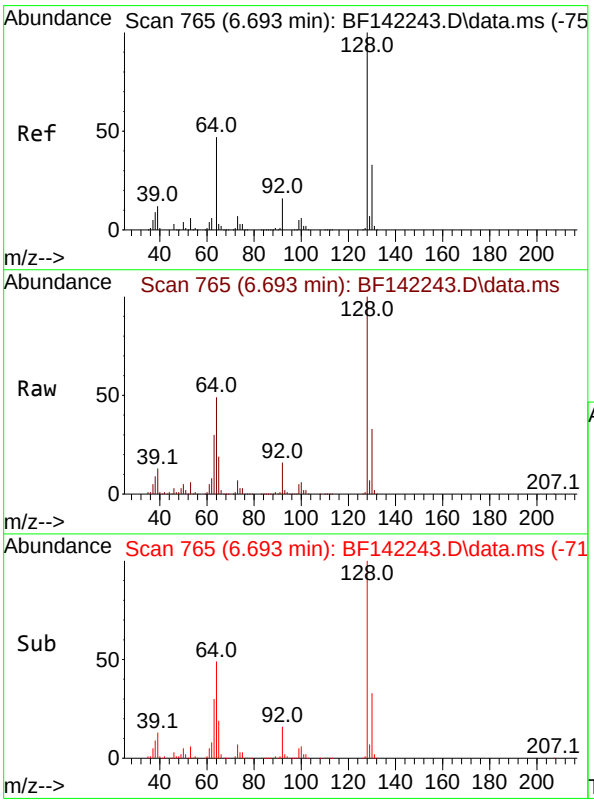
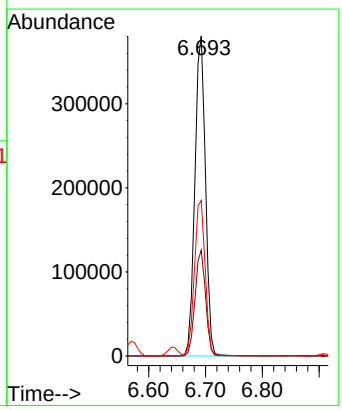
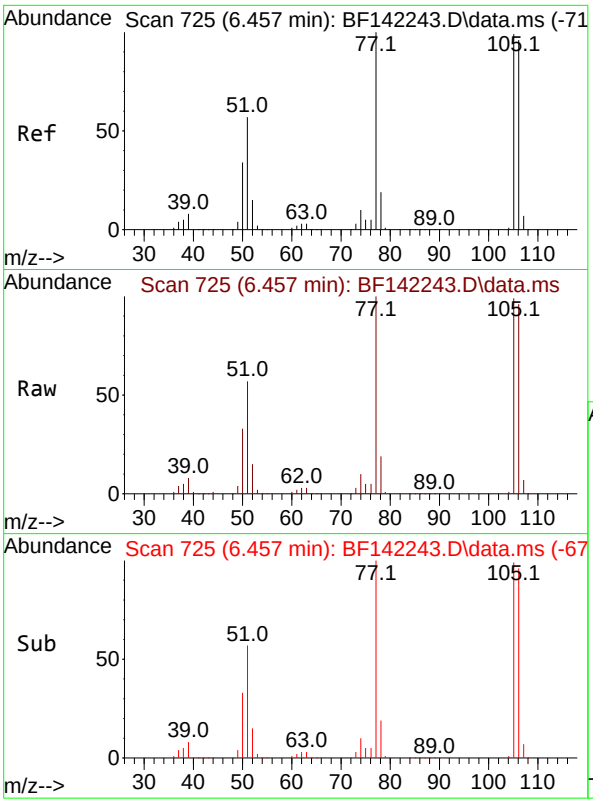


#8
2-Chlorophenol
Concen: 42.612 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:128 Resp: 496290

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.1	53.1
64	48.6	28.6	68.6

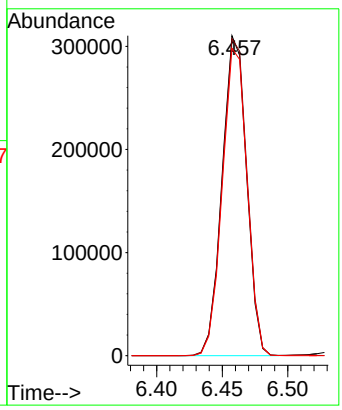




#9
Benzaldehyde
Concen: 42.263 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 77 Resp: 40204

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.1	119.1
106	96.0	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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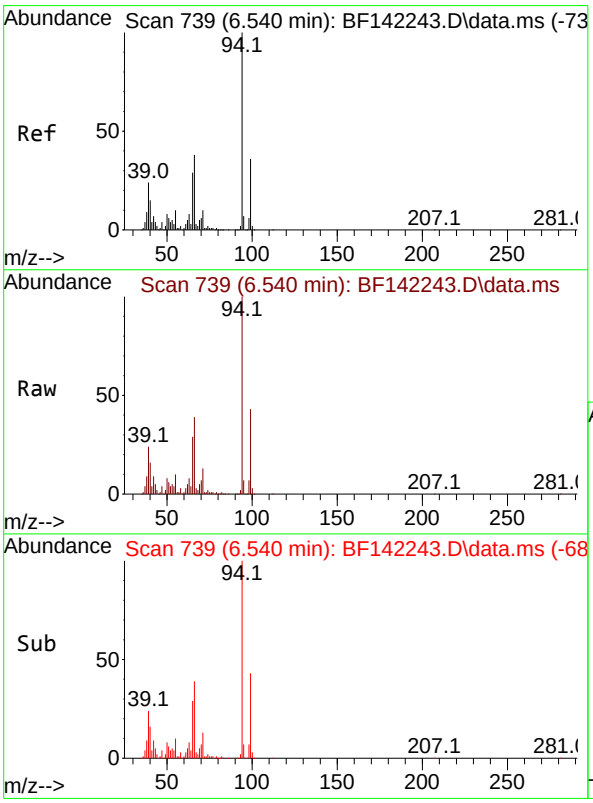
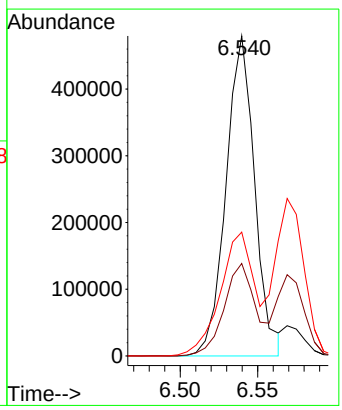
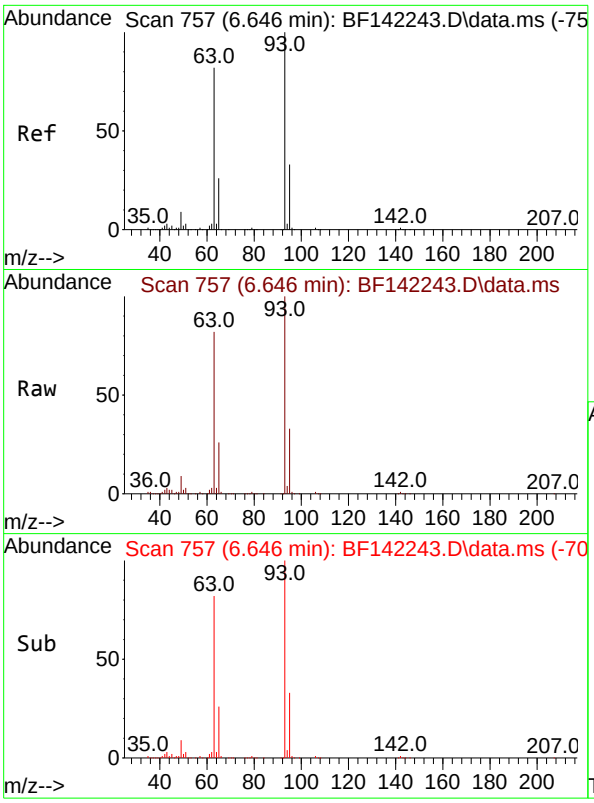


#10
Phenol
Concen: 42.128 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 94 Resp: 617257

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	38.7	18.7	58.7

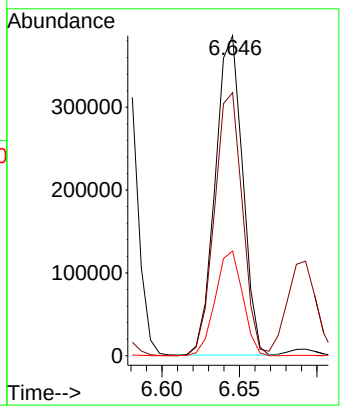




#11
bis(2-Chloroethyl)ether
Concen: 41.780 ng
RT: 6.646 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 93 Resp: 47440

Ion	Ratio	Lower	Upper
93	100		
63	82.2	62.2	102.2
95	32.7	12.7	52.7



Instrument :
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ClientSampleId :
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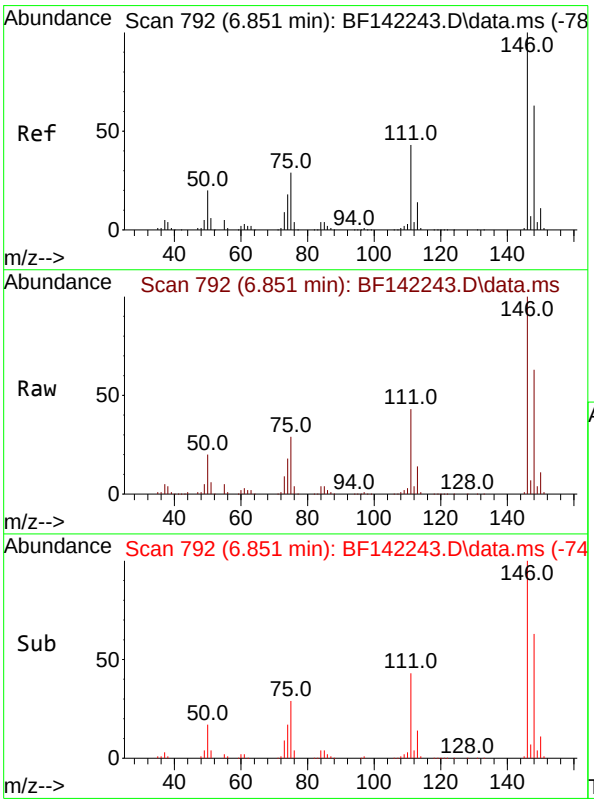
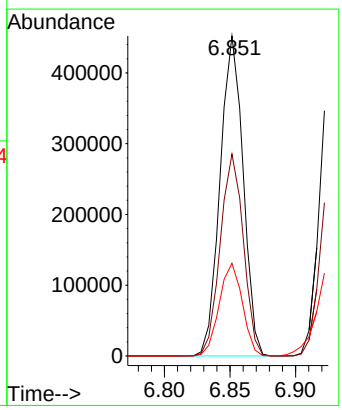
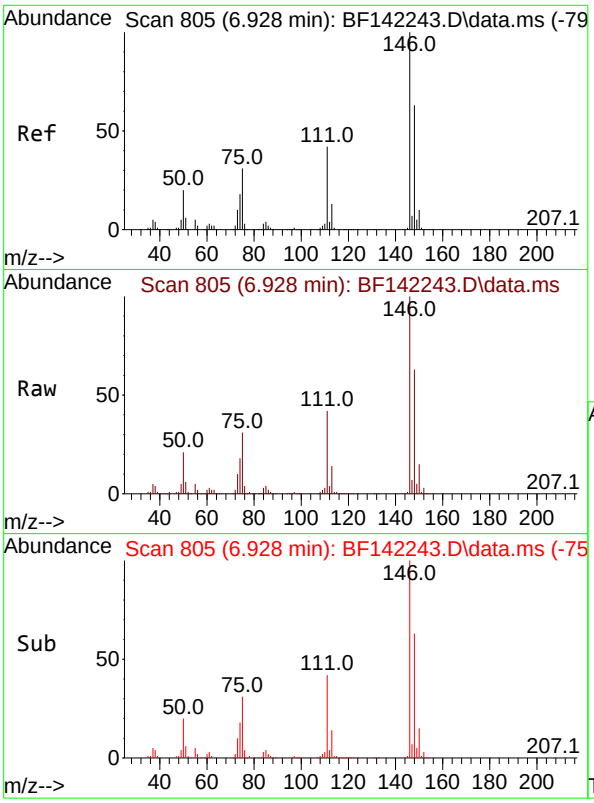


#12
1,3-Dichlorobenzene
Concen: 41.881 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:146 Resp: 551813

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	29.0	23.2	34.8

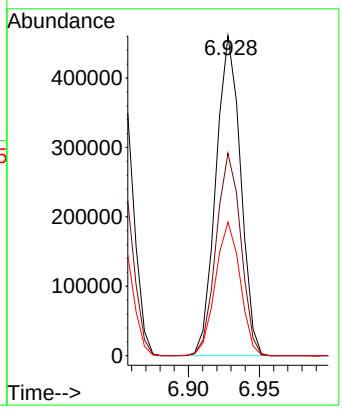




#13
1,4-Dichlorobenzene
Concen: 41.937 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:146 Resp: 55669

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	41.7	33.4	50.0



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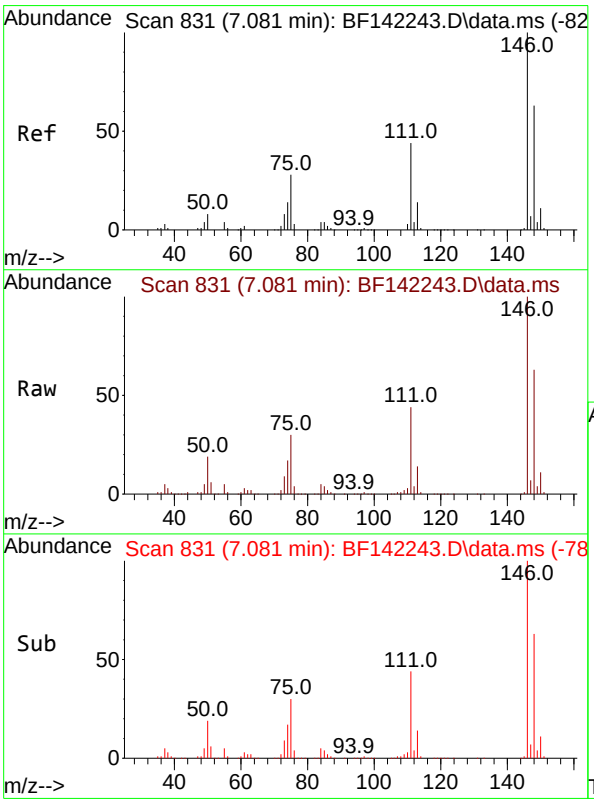
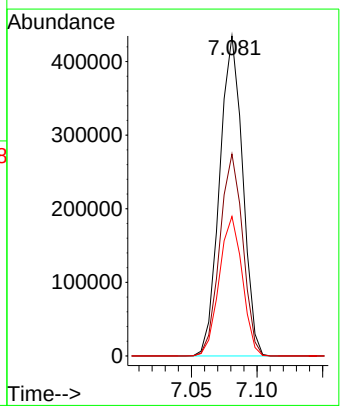
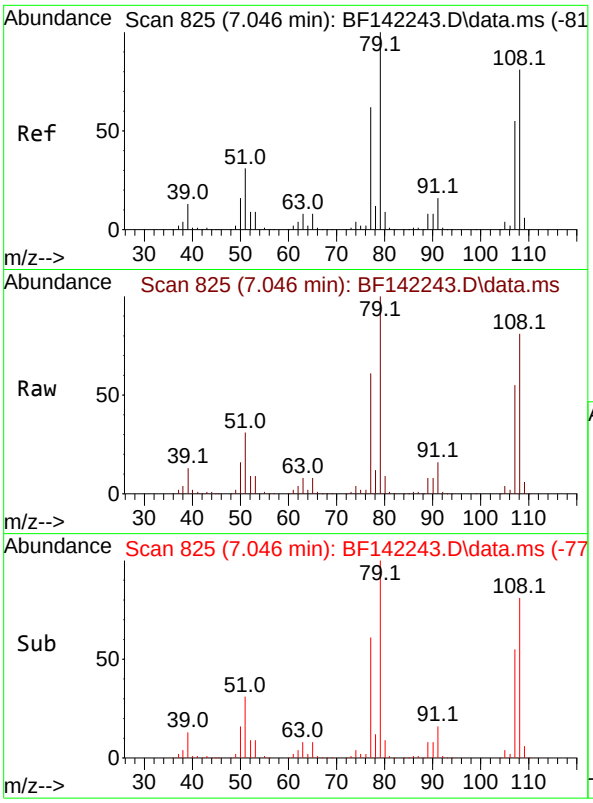


#14
1,2-Dichlorobenzene
Concen: 41.892 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:146 Resp: 530895

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	43.6	34.9	52.3





#15
Benzyl Alcohol
Concen: 42.870 ng
RT: 7.046 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 79 Resp: 41383

Ion	Ratio	Lower	Upper
79	100		
108	80.6	64.5	96.7
77	61.5	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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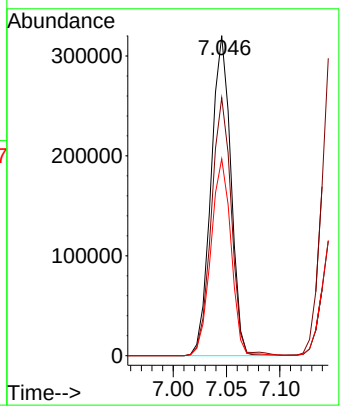
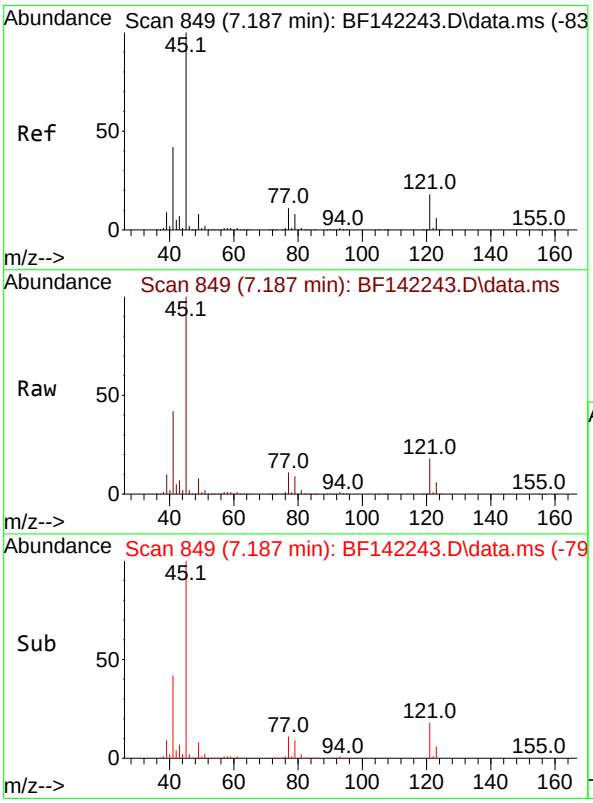
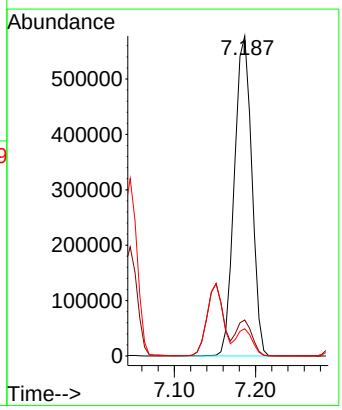


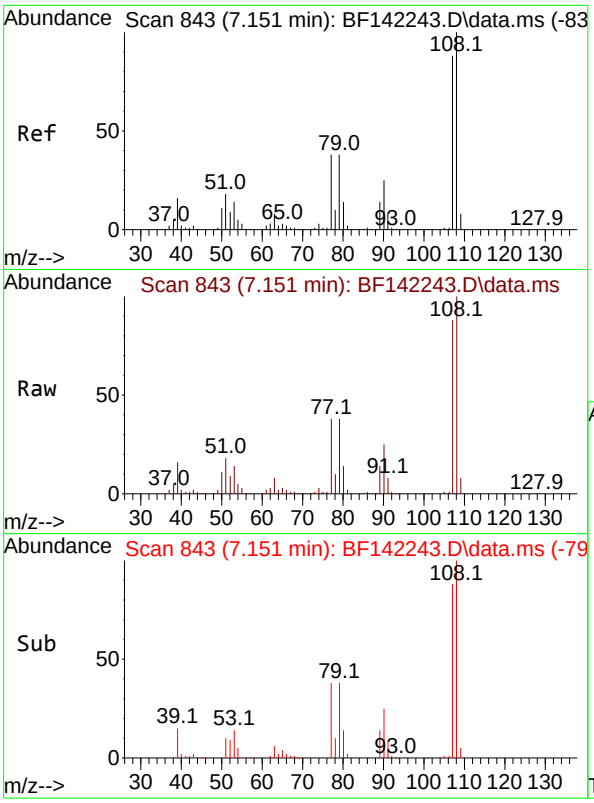


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.888 ng
RT: 7.187 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 45 Resp: 858875

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.3
79	8.5	0.0	28.5

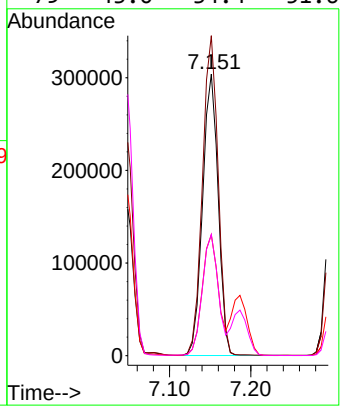




#17
2-Methylphenol
Concen: 42.287 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:107 Resp: 40346

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.0	34.4	51.6
79	43.0	34.4	51.6



Instrument :
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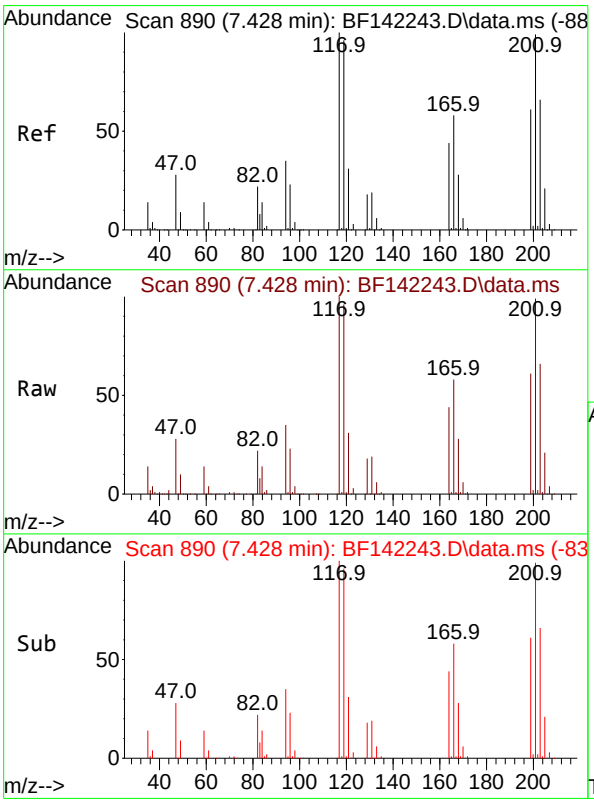
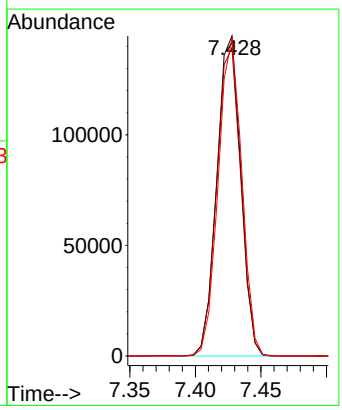
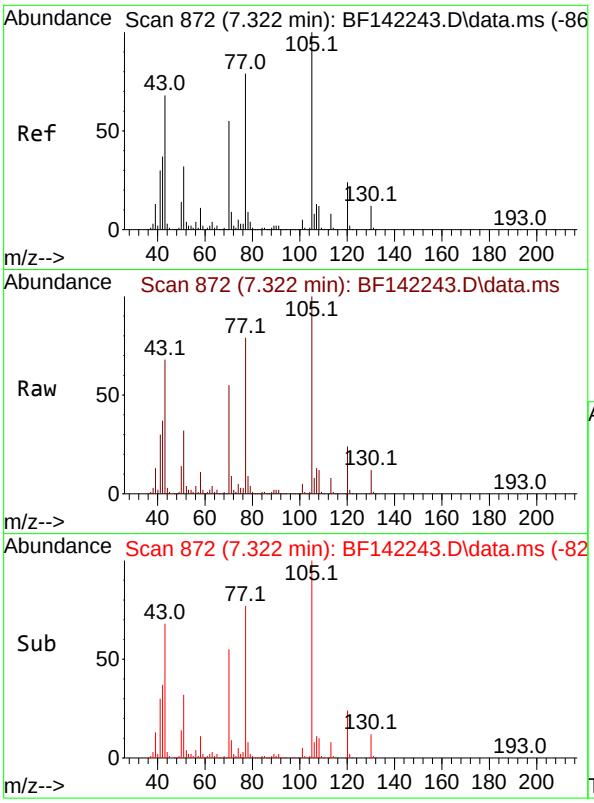


#18
Hexachloroethane
Concen: 42.322 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:117 Resp: 183881

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
201	99.3	79.4	119.2

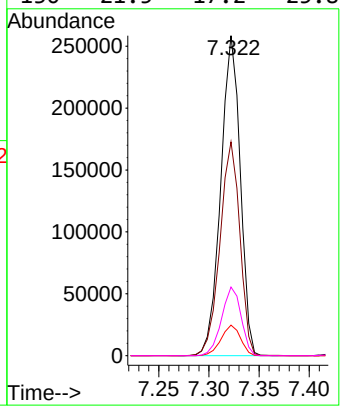




#19
n-Nitroso-di-n-propylamine
Concen: 41.410 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 70 Resp: 34828

Ion	Ratio	Lower	Upper
70	100		
42	66.8	53.4	80.2
101	9.6	7.7	11.5
130	21.5	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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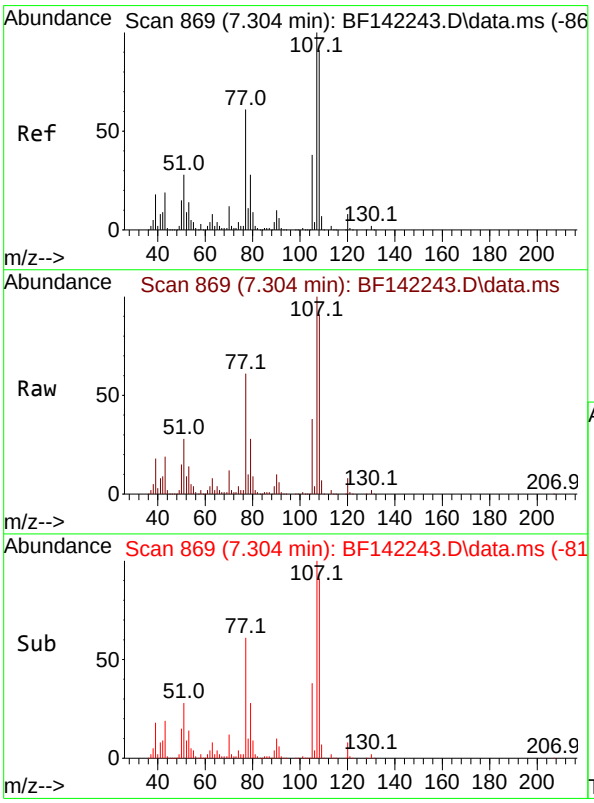
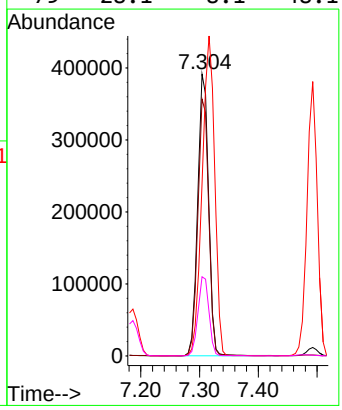
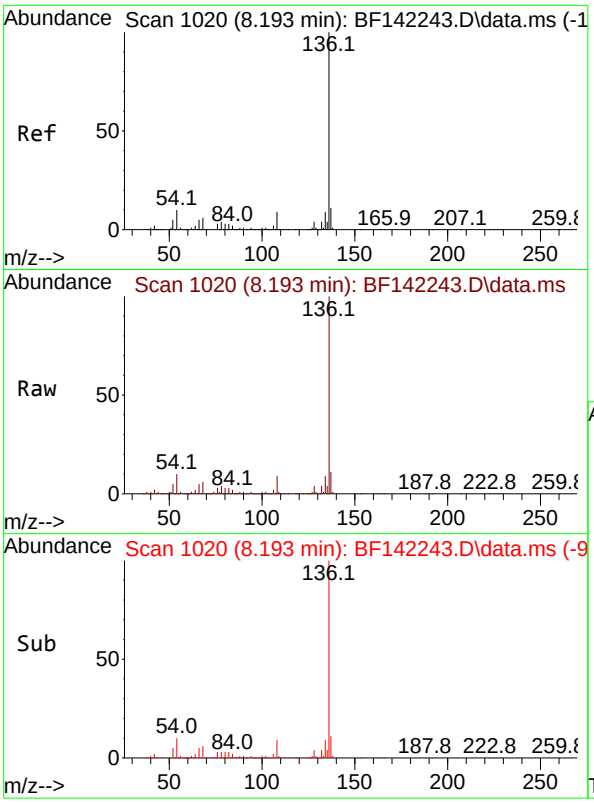


#20
3+4-Methylphenols
Concen: 42.229 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:107 Resp: 503856

Ion	Ratio	Lower	Upper
107	100		
108	91.2	71.2	111.2
77	61.1	41.1	81.1
79	28.1	8.1	48.1

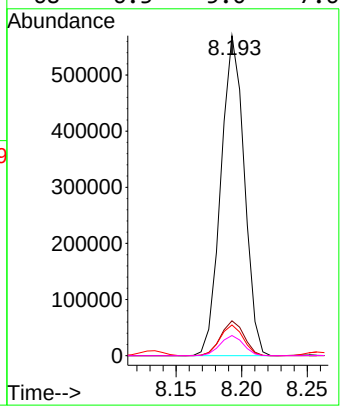




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:136 Resp: 70624

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.6	7.7	11.5
68	6.3	5.0	7.6



Instrument :
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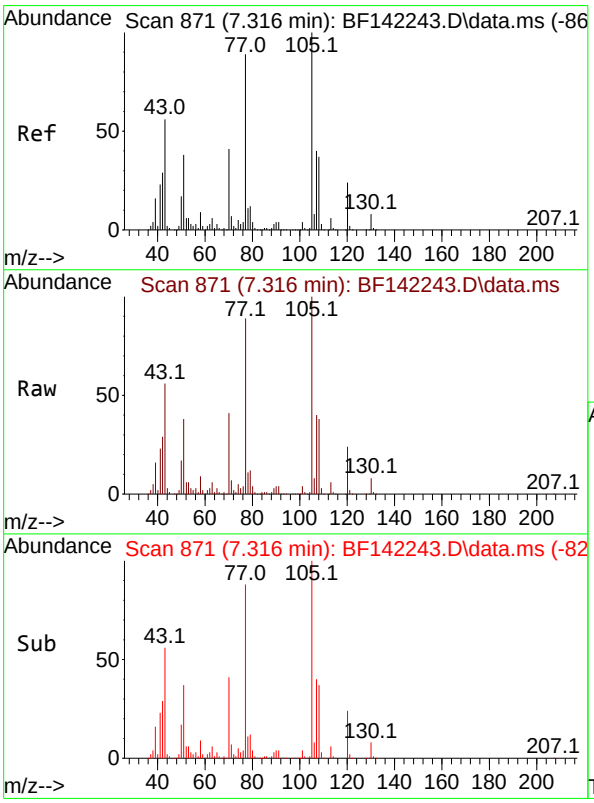
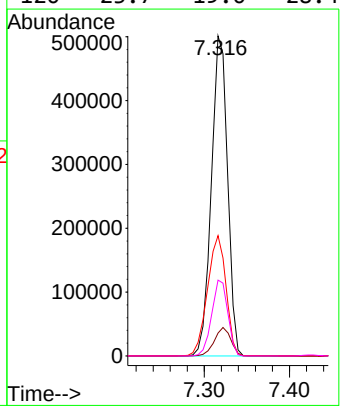
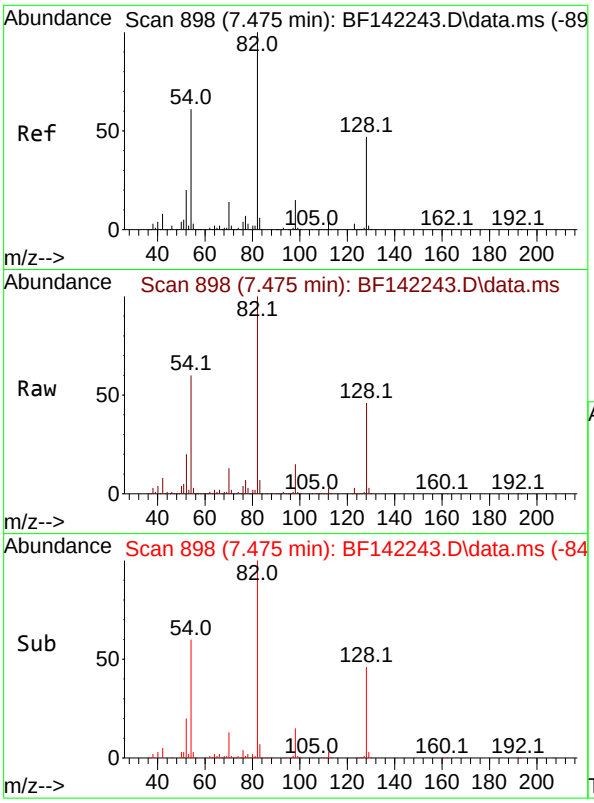


#22
Acetophenone
Concen: 40.454 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:105 Resp: 660959

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	37.6	30.1	45.1
120	23.7	19.0	28.4

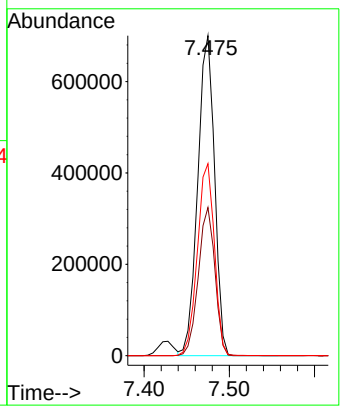




#23
Nitrobenzene-d5
Concen: 89.396 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 82 Resp: 96100

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	60.0	48.0	72.0



Instrument :
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ClientSampleId :
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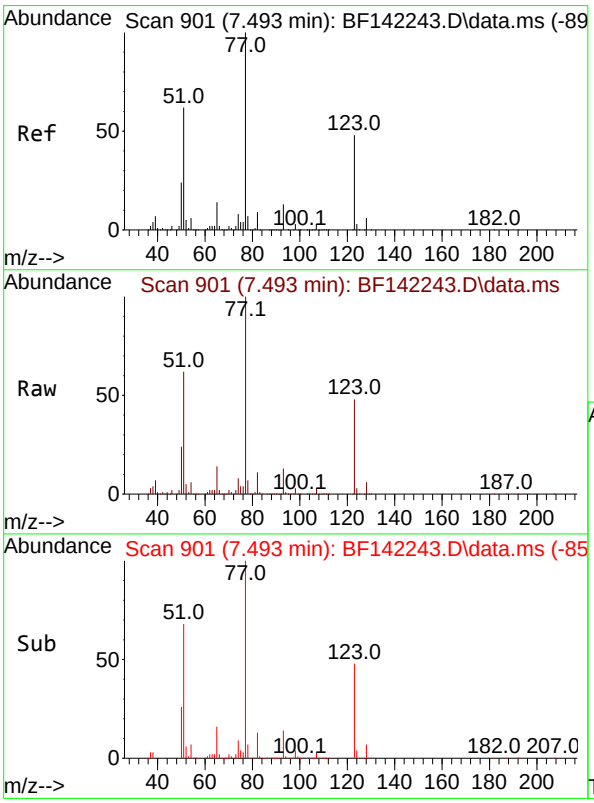
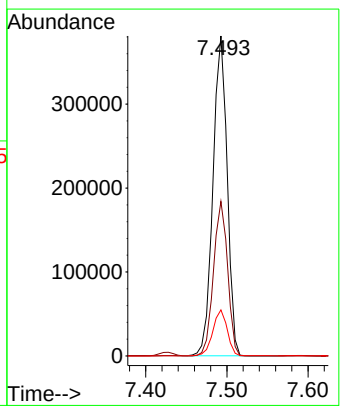
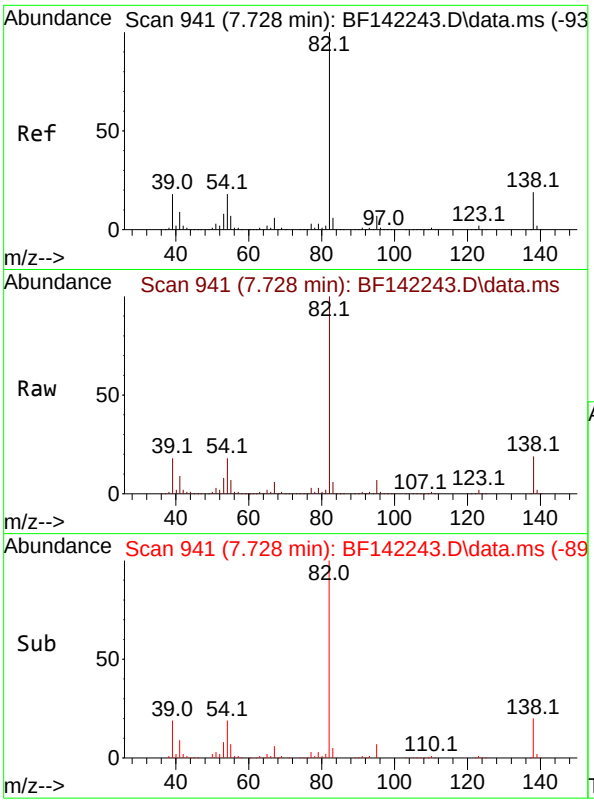


#24
Nitrobenzene
Concen: 43.929 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 77 Resp: 463357

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	14.4	11.5	17.3

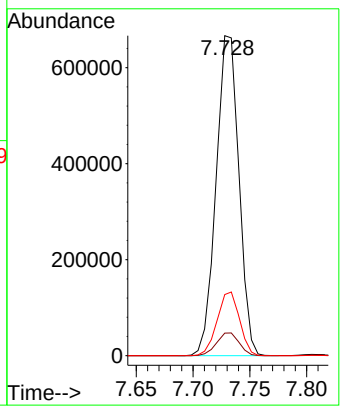




#25
Isophorone
Concen: 41.299 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 82 Resp: 93176

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	19.1	15.3	22.9



Instrument :
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ClientSampleId :
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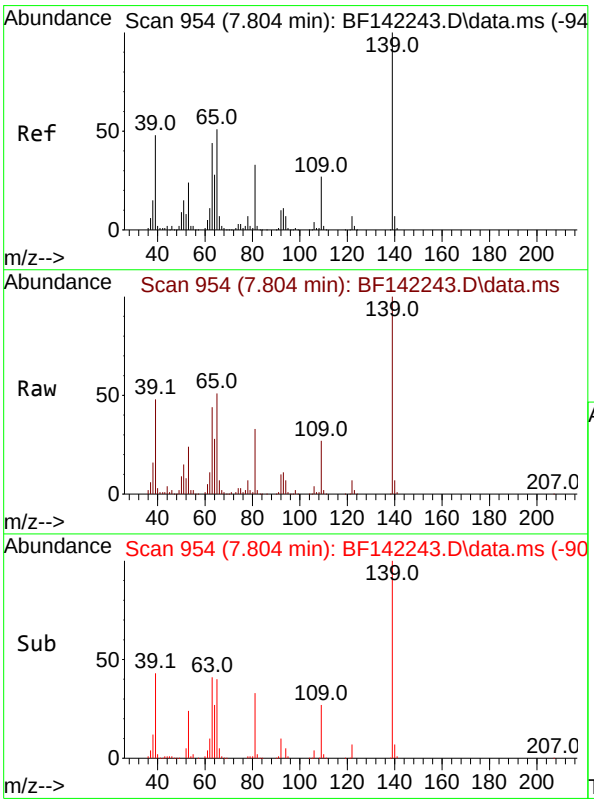
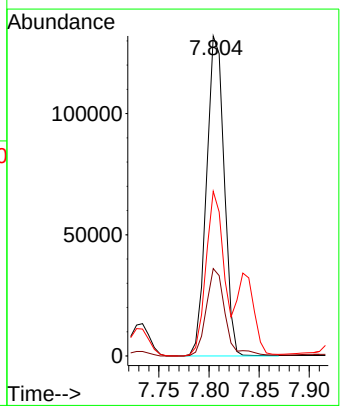
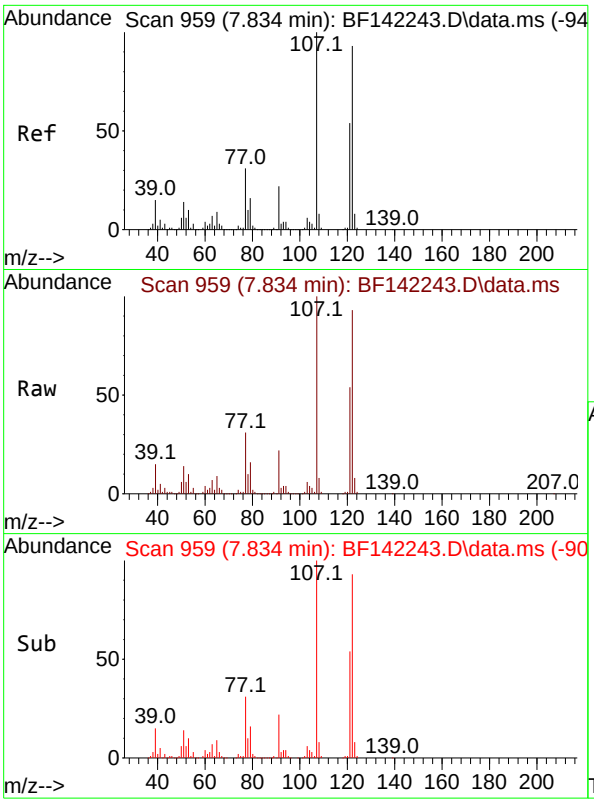


#26
2-Nitrophenol
Concen: 38.737 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:139 Resp: 162563

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.8	32.8
65	51.4	41.1	61.7

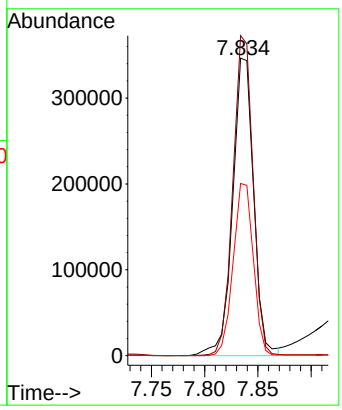




#27
2,4-Dimethylphenol
Concen: 41.862 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:122 Resp: 47618

Ion	Ratio	Lower	Upper
122	100		
107	107.5	86.0	129.0
121	57.9	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
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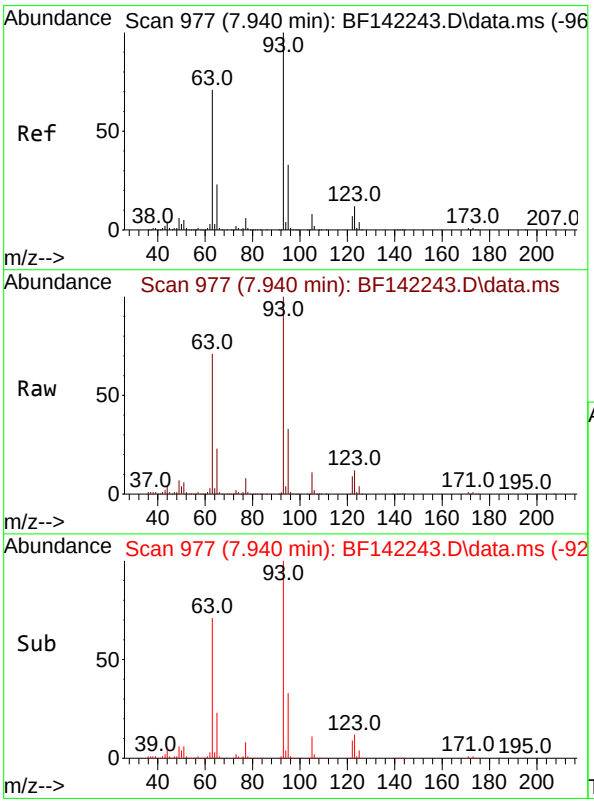
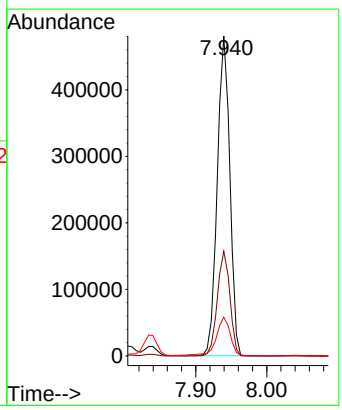
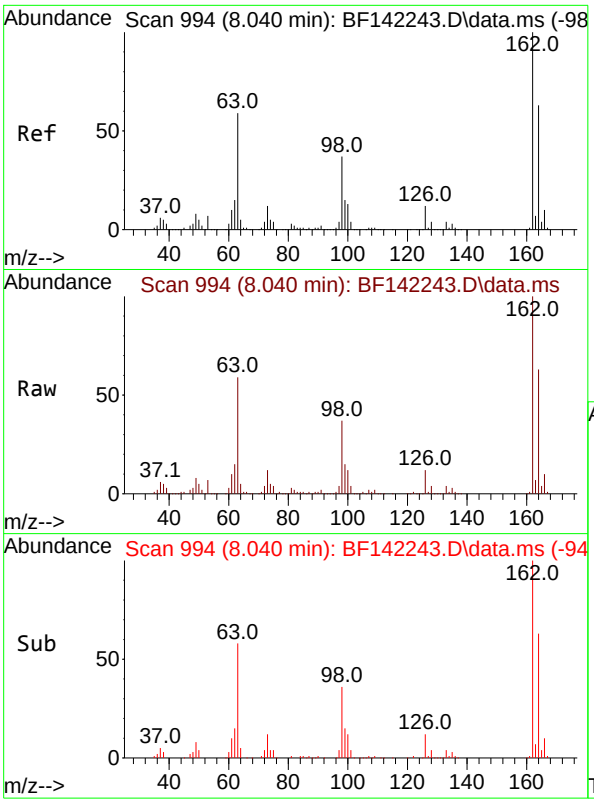


#28
bis(2-Chloroethoxy)methane
Concen: 41.247 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 93 Resp: 586887

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.1	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 43.163 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:162 Resp: 41048

Ion	Ratio	Lower	Upper
162	100		
164	63.0	43.0	83.0
98	36.7	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
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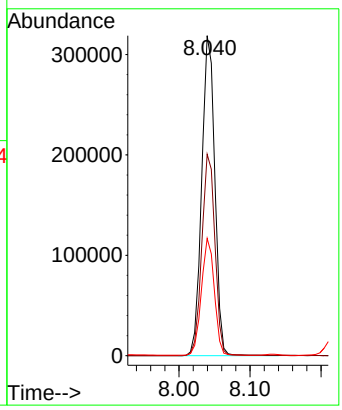
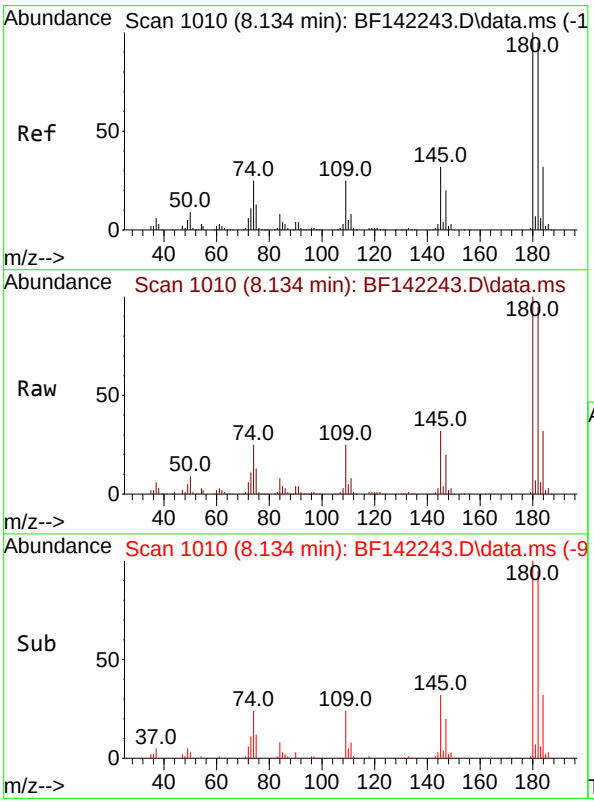
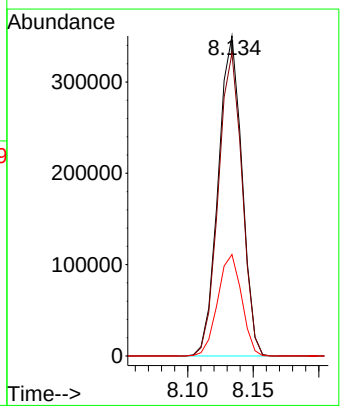


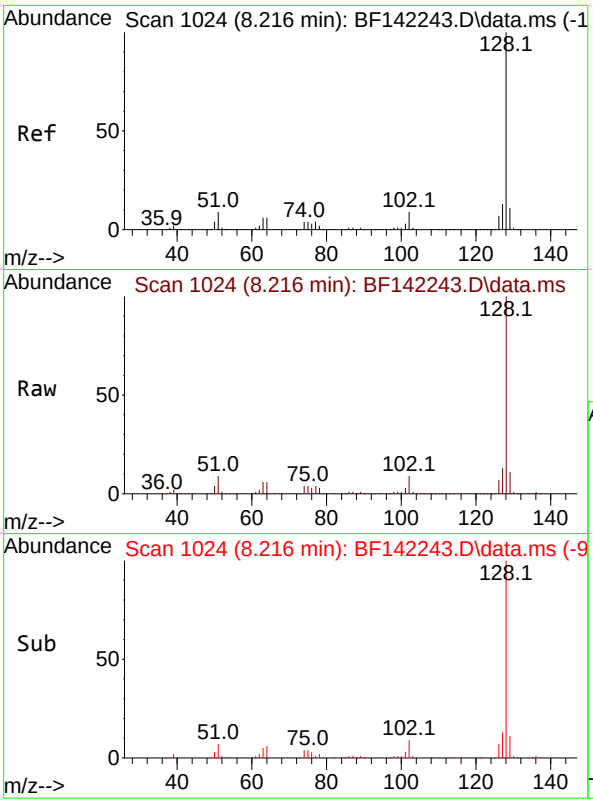


#30
1,2,4-Trichlorobenzene
Concen: 41.539 ng
RT: 8.134 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:180 Resp: 440825

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	31.7	25.4	38.0

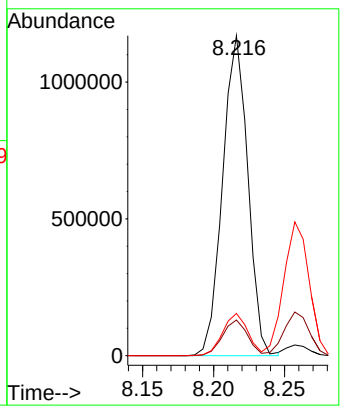




#31
Naphthalene
Concen: 40.920 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:128 Resp: 144124

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8



Instrument :
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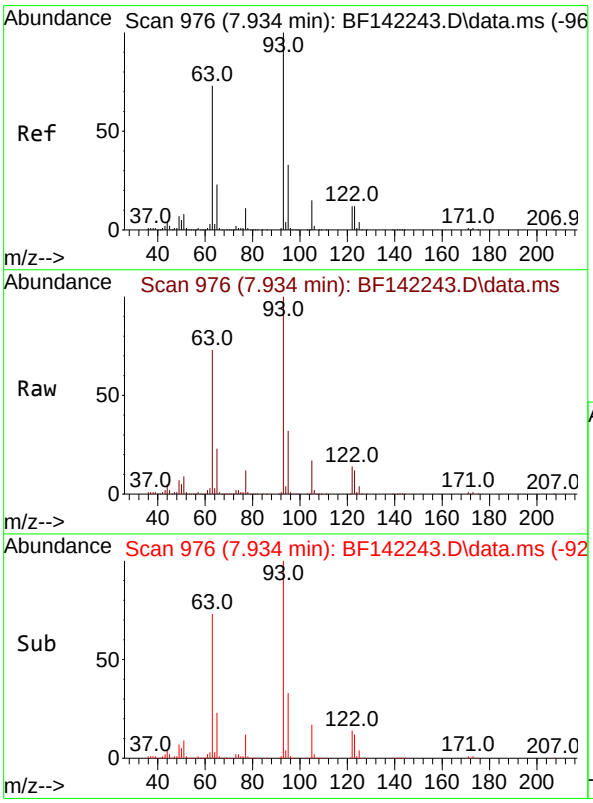
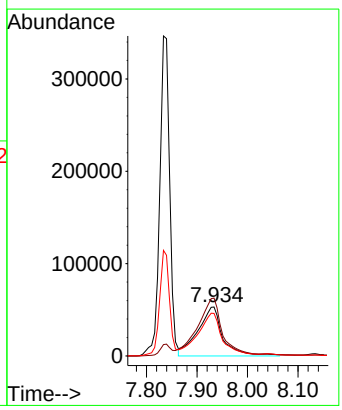
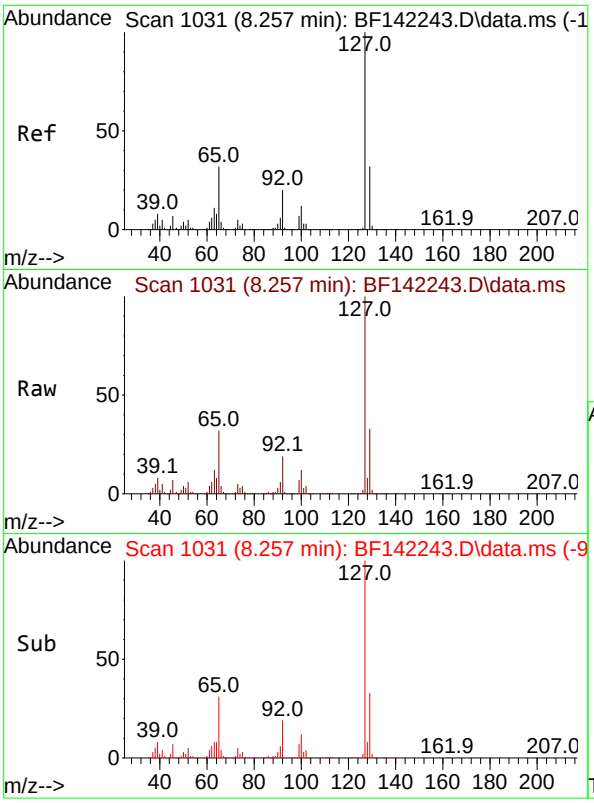


#32
Benzoic acid
Concen: 37.083 ng m
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:122 Resp: 184052

Ion	Ratio	Lower	Upper
122	100		
105	118.2	98.2	138.2
77	86.8	66.8	106.8

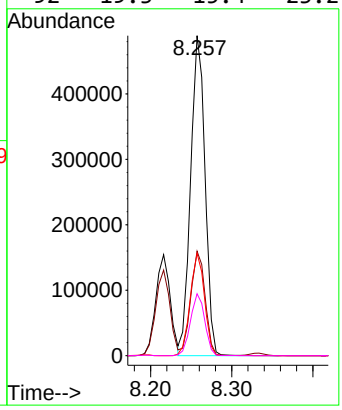




#33
4-Chloroaniline
Concen: 41.328 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:127 Resp: 60613

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.9	25.5	38.3
92	19.3	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
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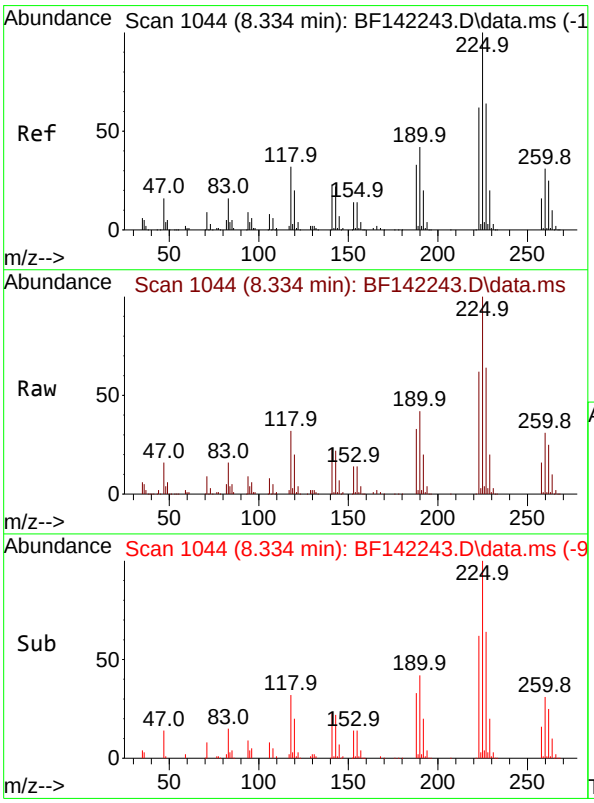
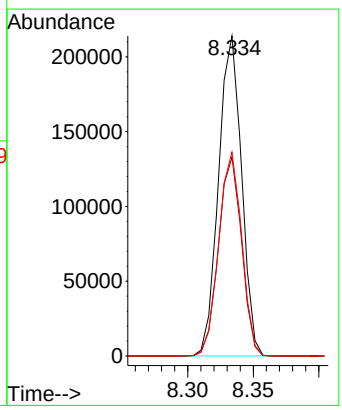
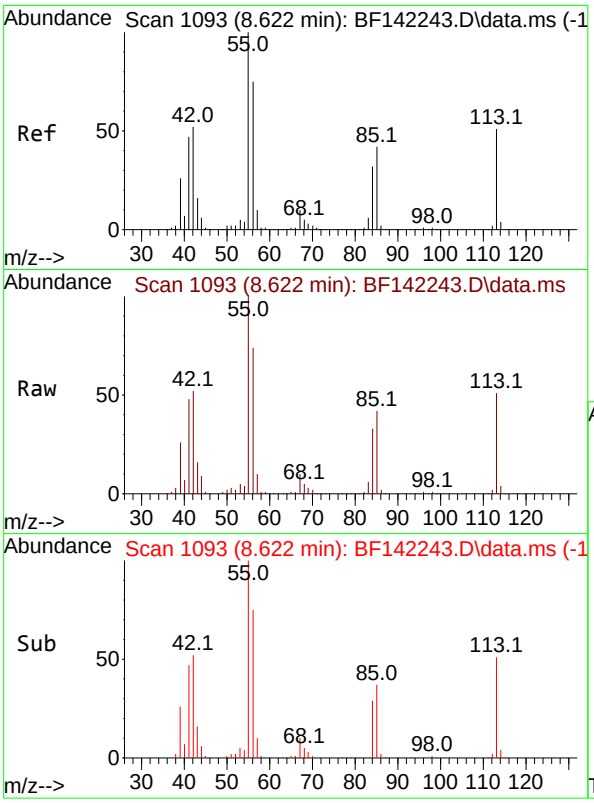


#34
Hexachlorobutadiene
Concen: 42.125 ng
RT: 8.334 min Scan# 1044
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:225 Resp: 260821

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	63.7	51.0	76.4

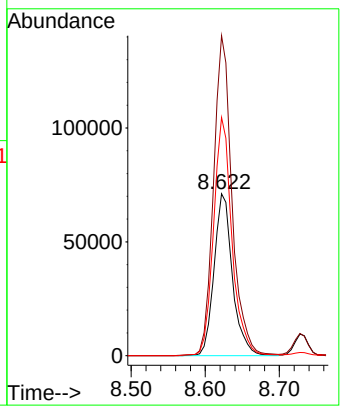




#35
Caprolactam
Concen: 42.889 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:113 Resp: 12259

Ion	Ratio	Lower	Upper
113	100		
55	197.7	177.7	217.7
56	147.1	127.1	167.1



Instrument :
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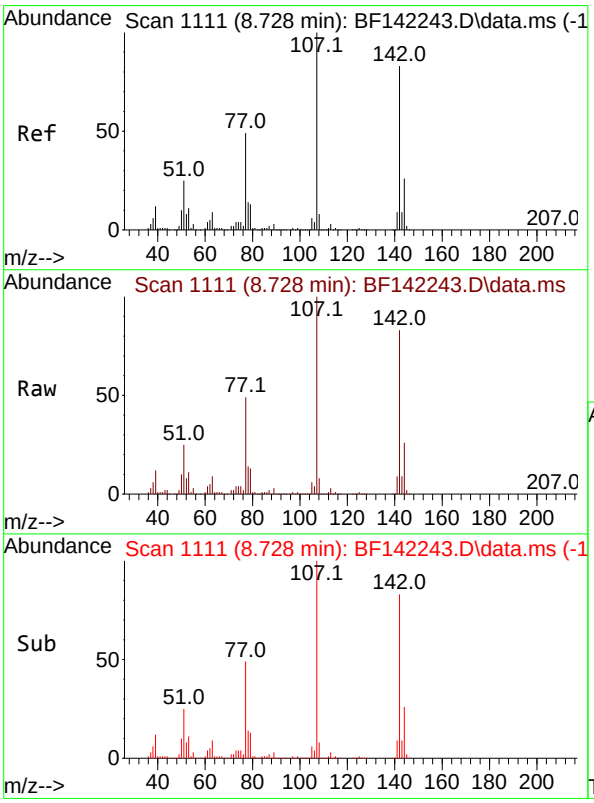
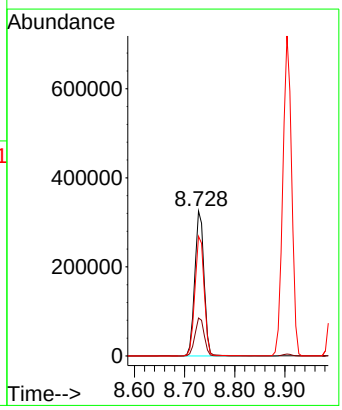
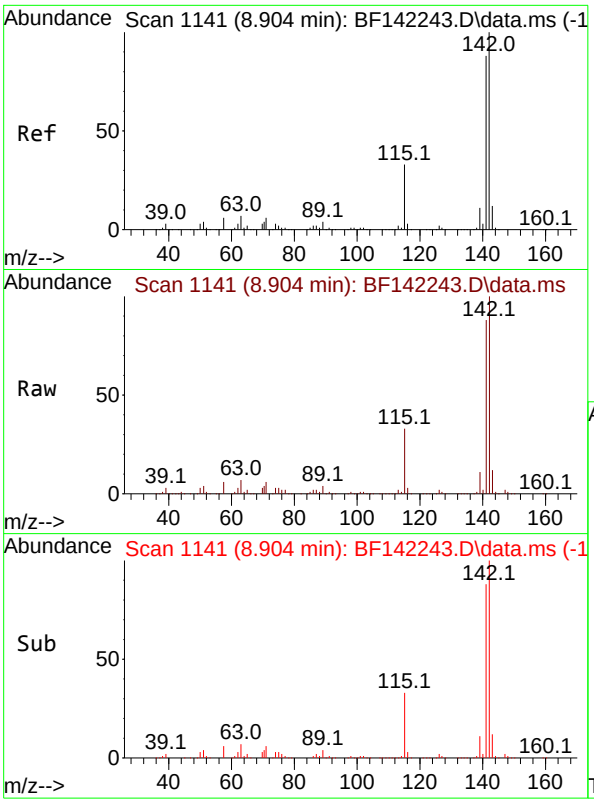


#36
4-Chloro-3-methylphenol
Concen: 42.715 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:107 Resp: 417126

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	82.6	66.1	99.1

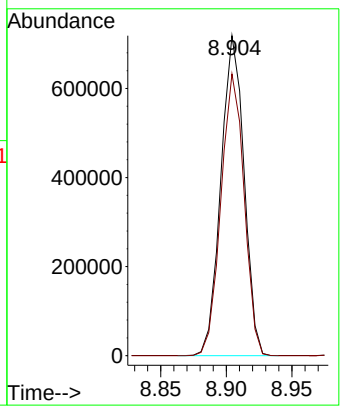




#37
2-Methylnaphthalene
Concen: 40.652 ng
RT: 8.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:142 Resp: 88031

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7



Instrument :
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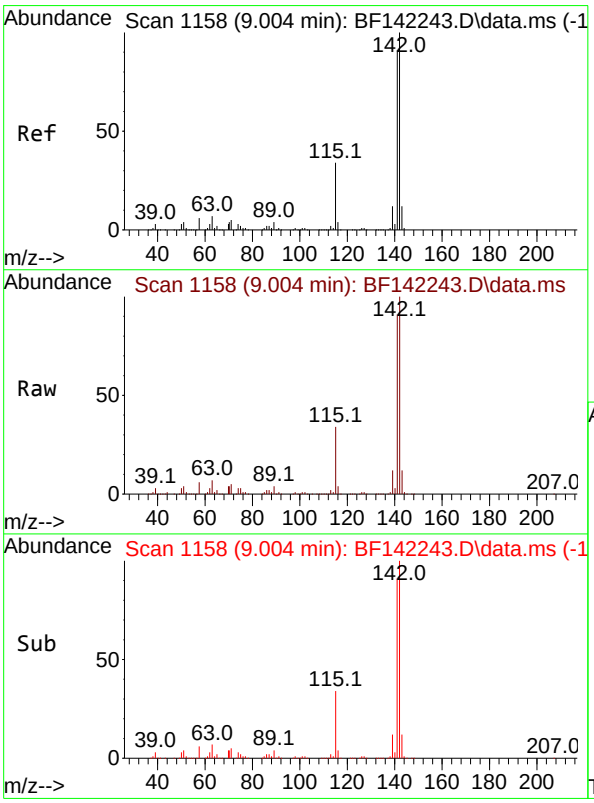
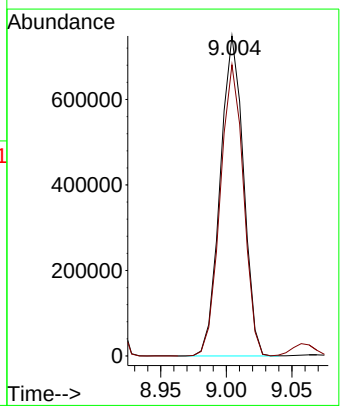
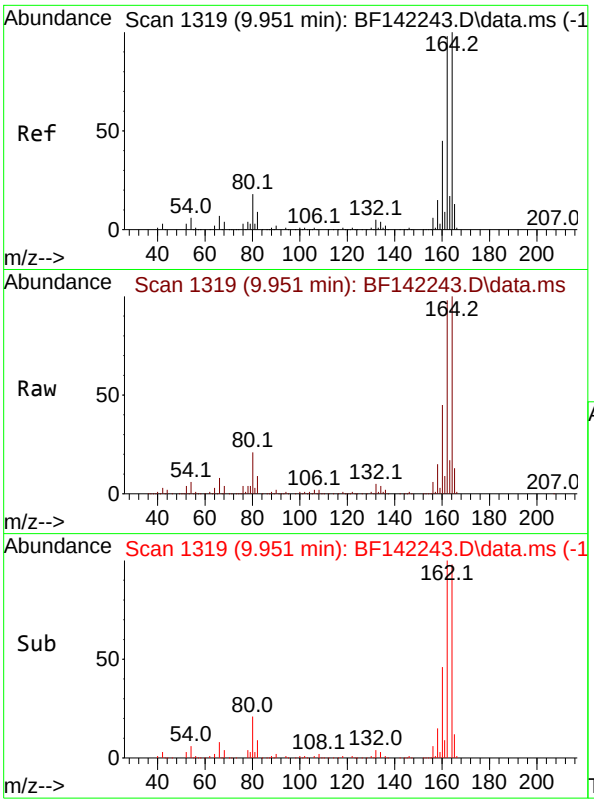


#38
1-Methylnaphthalene
Concen: 41.054 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:142 Resp: 920983

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2

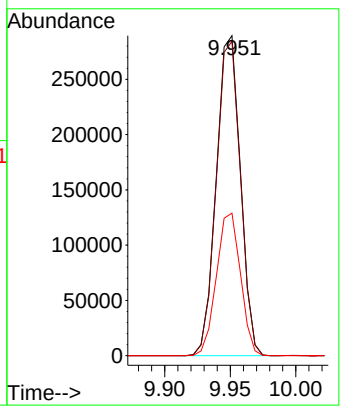




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:164 Resp: 370869

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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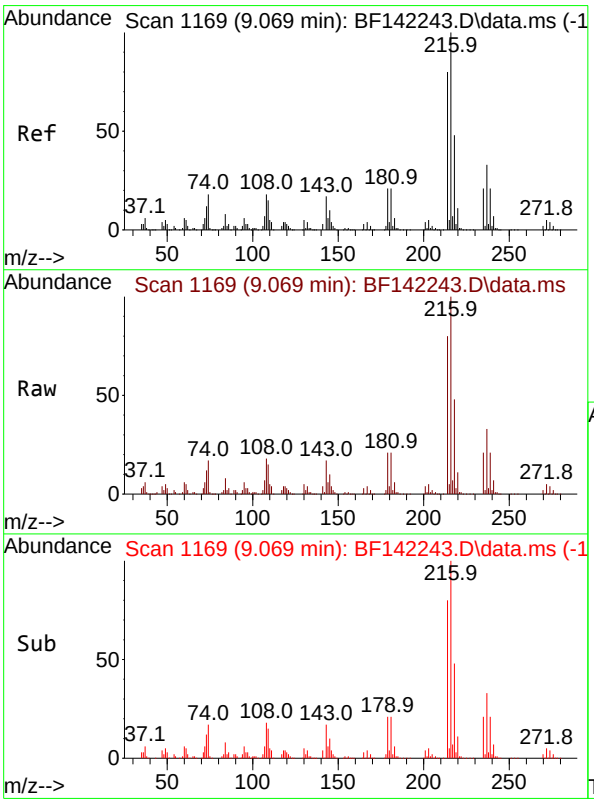
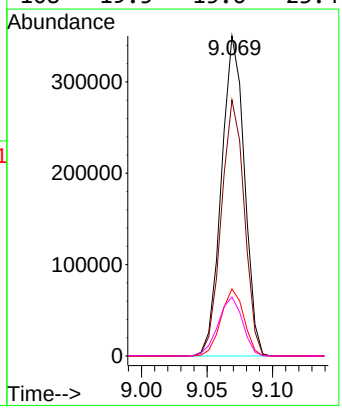
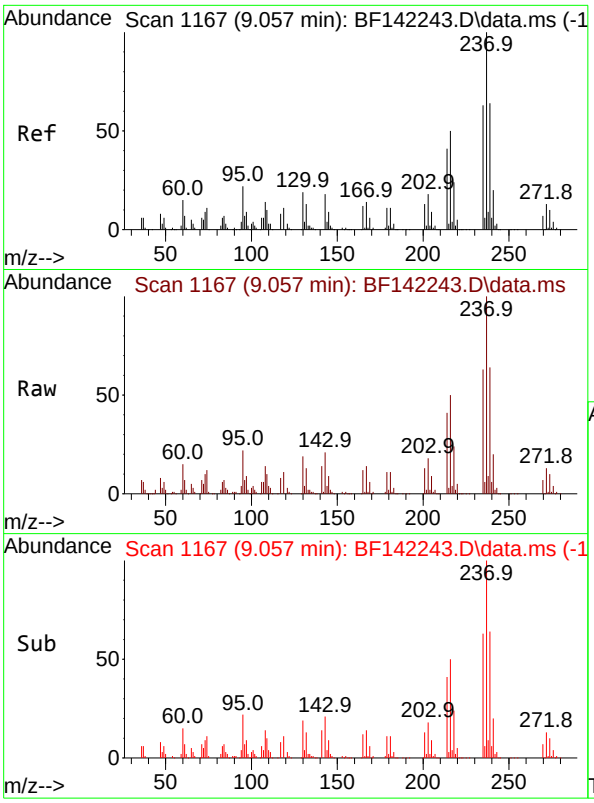


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.938 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:216 Resp: 427286

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	20.9	16.7	25.1
108	19.5	15.6	23.4

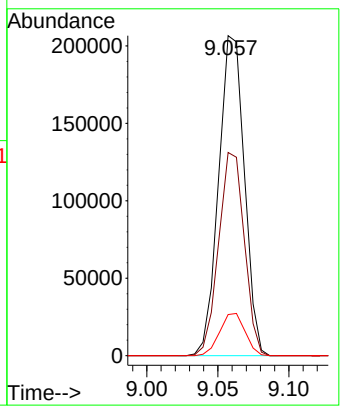




#41
Hexachlorocyclopentadiene
Concen: 44.056 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:237 Resp: 26097

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.5	83.5
272	12.9	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
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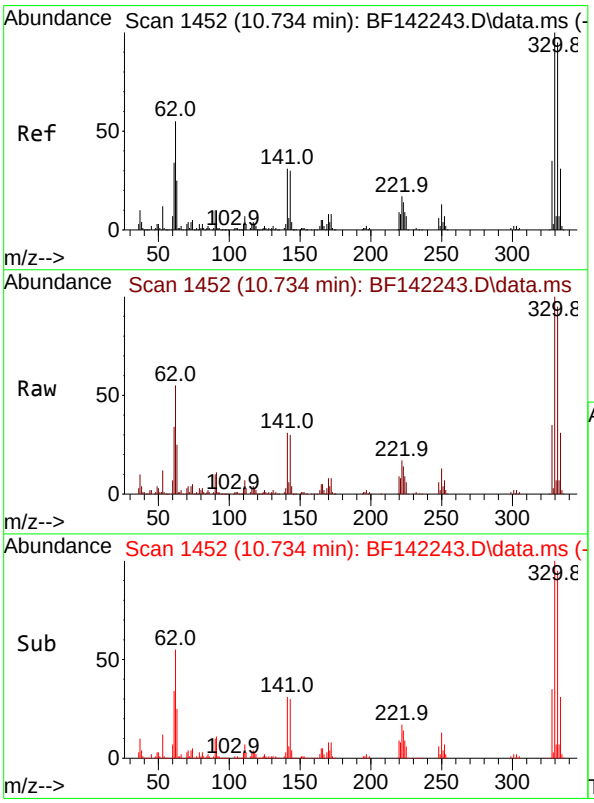
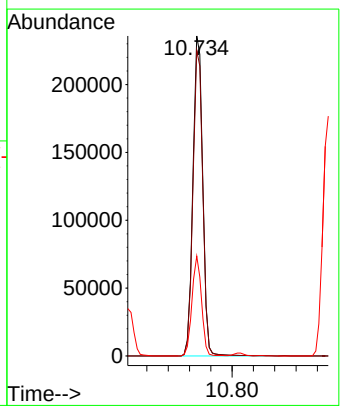
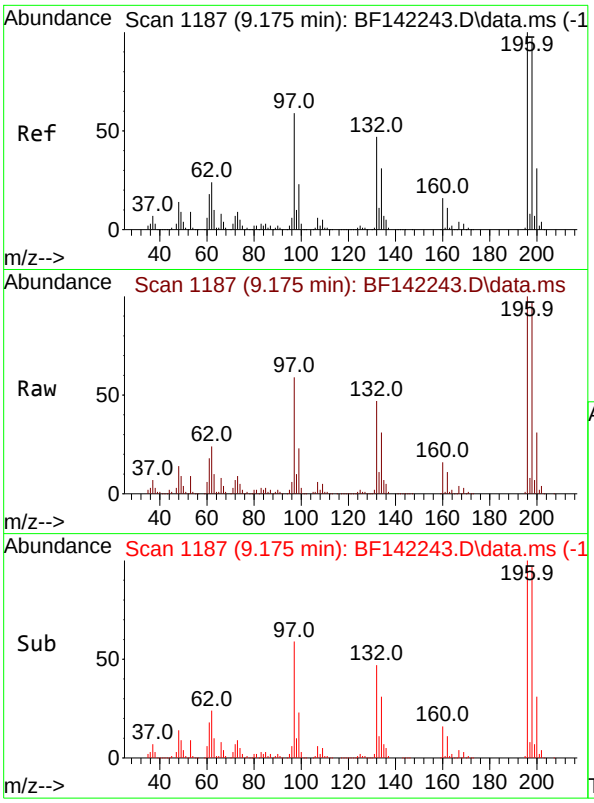


#42
2,4,6-Tribromophenol
Concen: 89.389 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:330 Resp: 302223

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	30.4	24.3	36.5

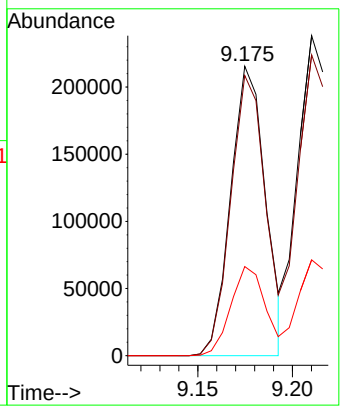




#43
2,4,6-Trichlorophenol
Concen: 42.450 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:196 Resp: 27455

Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.4	116.2
200	30.8	24.6	37.0



Instrument :
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ClientSampleId :
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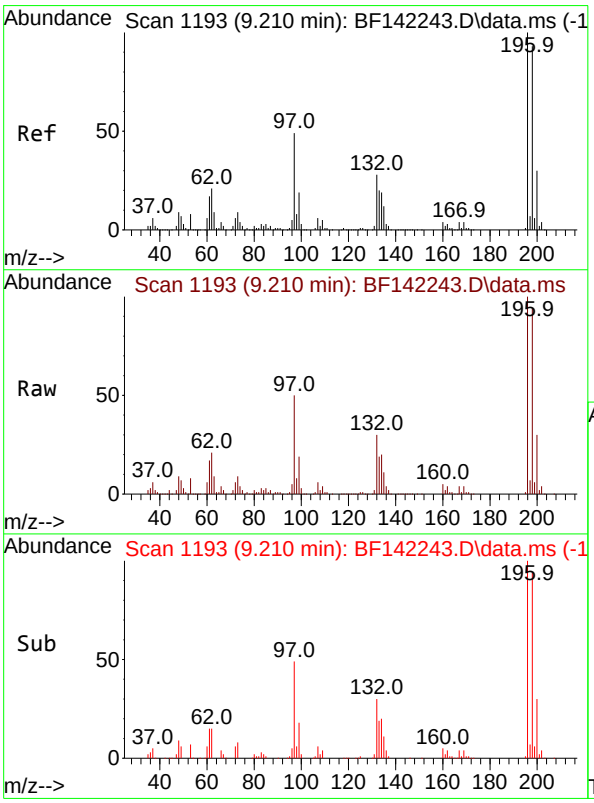
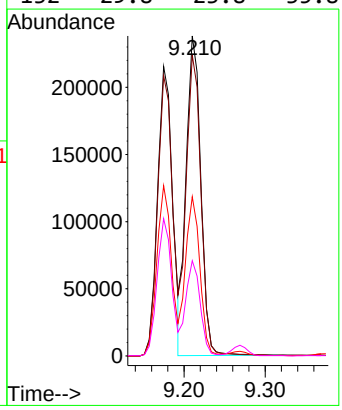
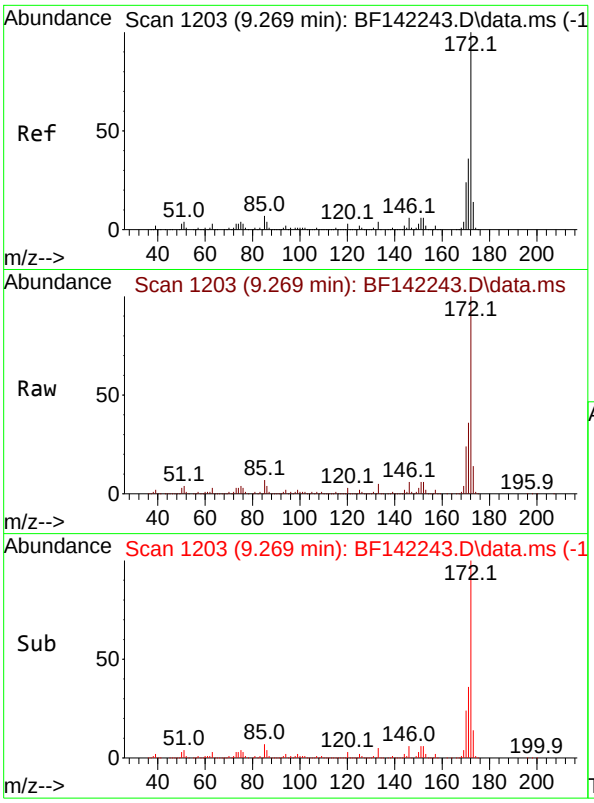


#44
2,4,5-Trichlorophenol
Concen: 44.113 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:196 Resp: 299967

Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.2	112.8
97	49.8	39.8	59.8
132	29.8	23.8	35.8

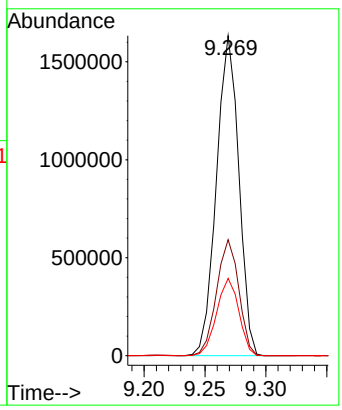




#45
2-Fluorobiphenyl
Concen: 79.446 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:172 Resp: 208970

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.2	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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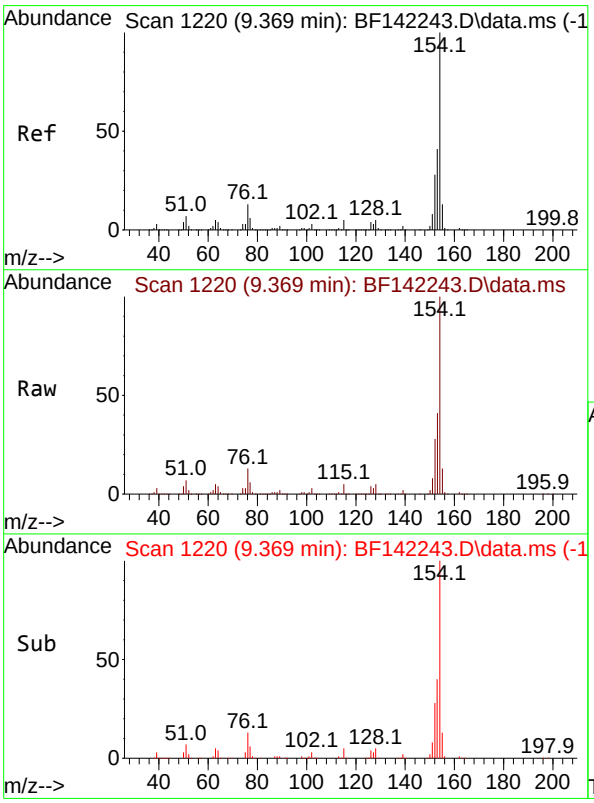
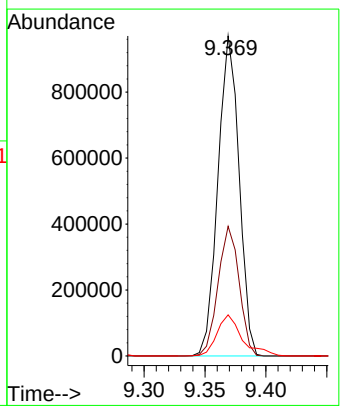
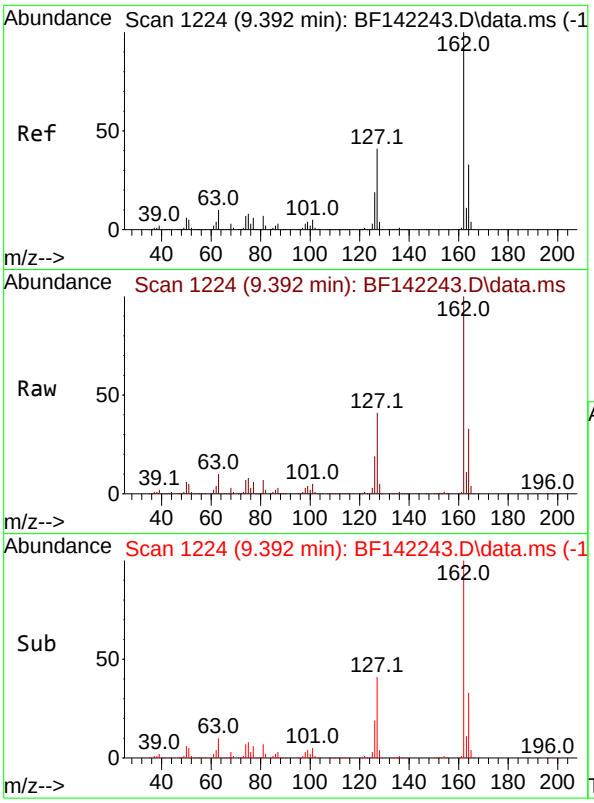


#46
1,1'-Biphenyl
Concen: 40.664 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:154 Resp: 1172400

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.8	0.0	32.8





#47
2-Chloronaphthalene
Concen: 40.984 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:162 Resp: 87915

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.6	49.0
164	32.6	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Rahul Chavli 05/01/2025
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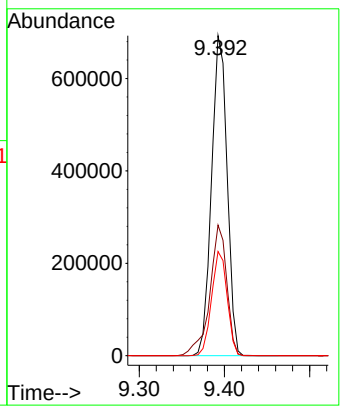
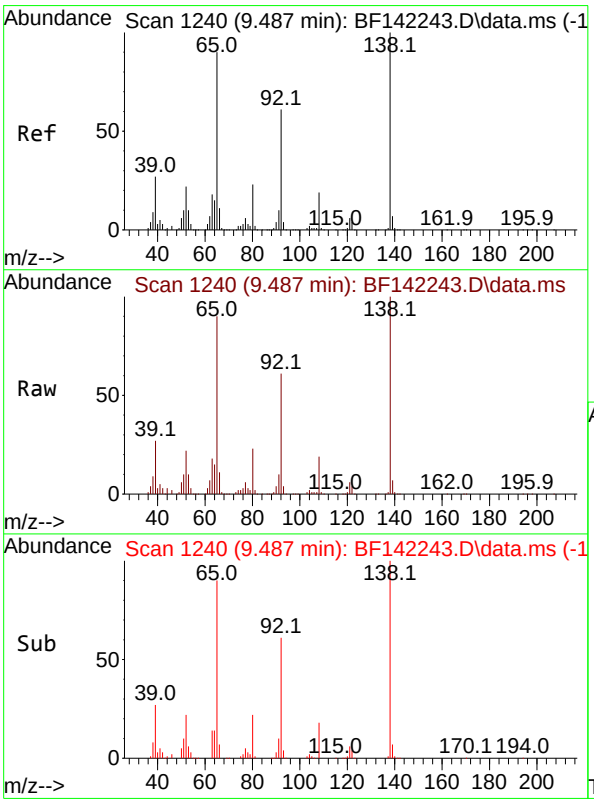
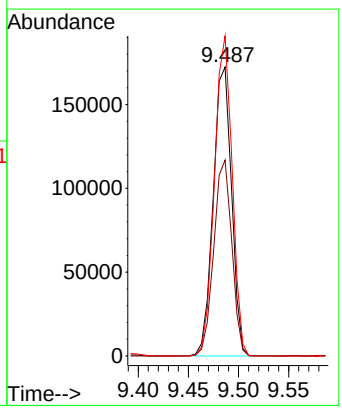


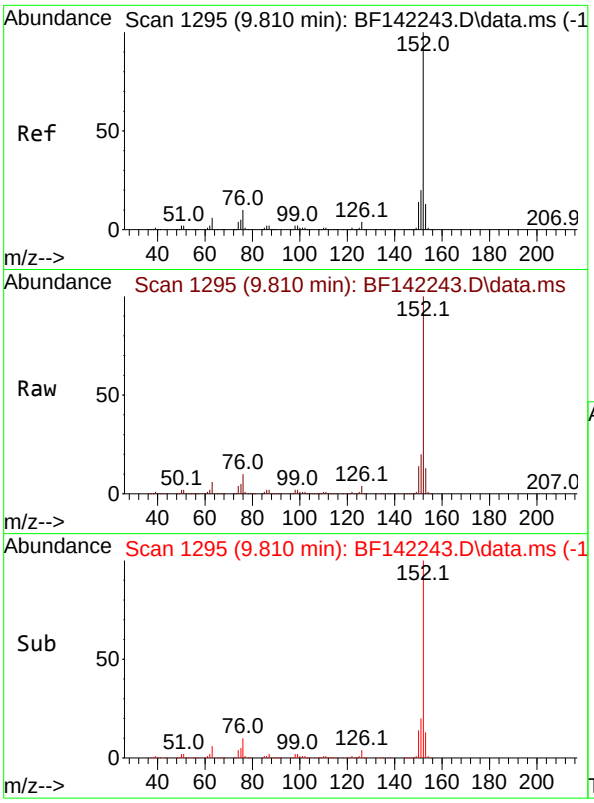


#48
2-Nitroaniline
Concen: 39.600 ng
RT: 9.487 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion: 65 Resp: 218766

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.3	81.5
138	110.8	88.6	133.0

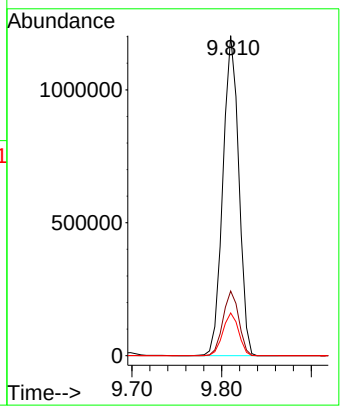




#49
Acenaphthylene
Concen: 40.929 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:152 Resp: 148154

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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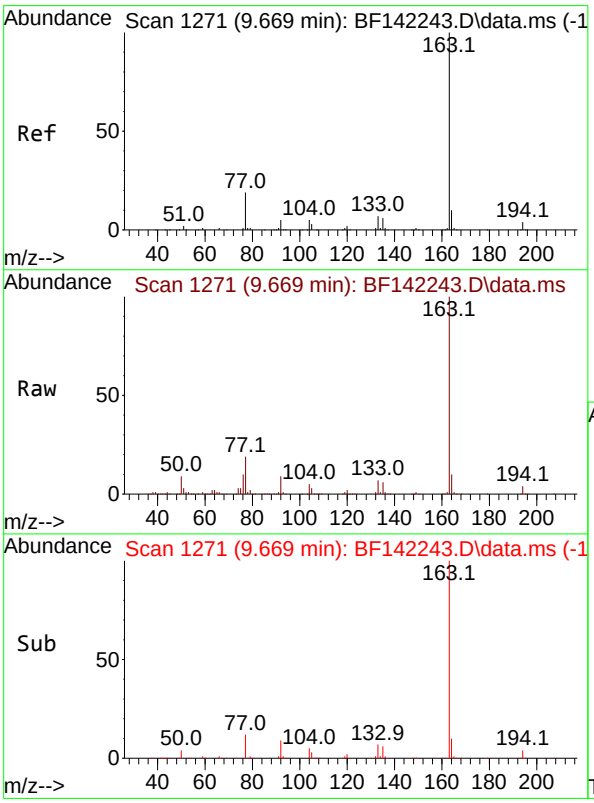
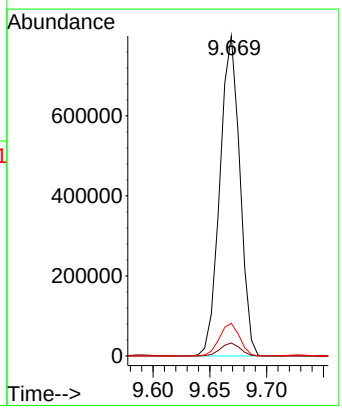
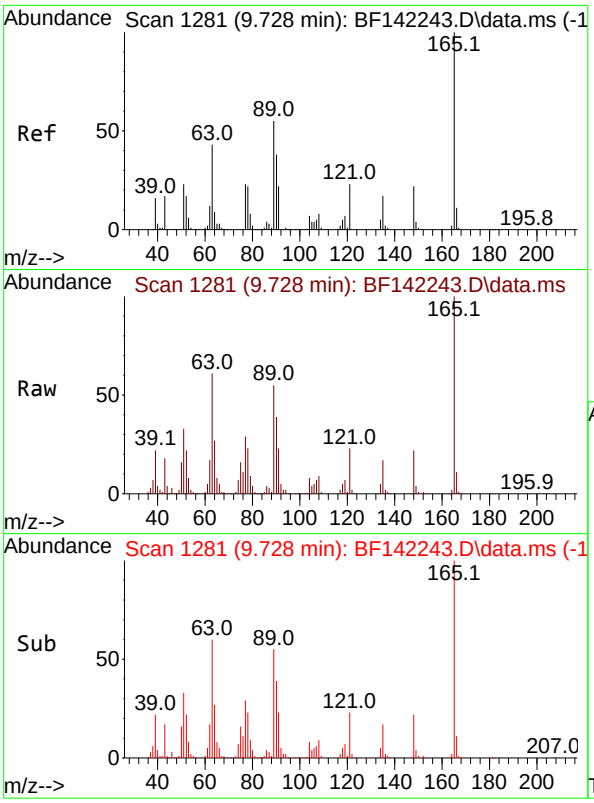


#50
Dimethylphthalate
Concen: 41.312 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:163 Resp: 980172

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 40.034 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:165 Resp: 17886

Ion	Ratio	Lower	Upper
165	100		
63	60.6	48.5	72.7
89	54.9	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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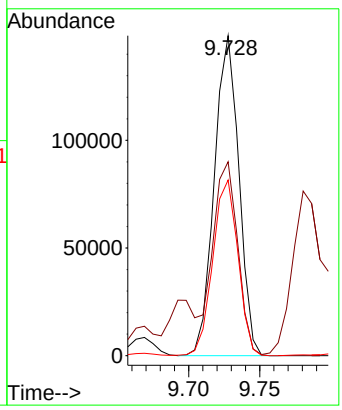
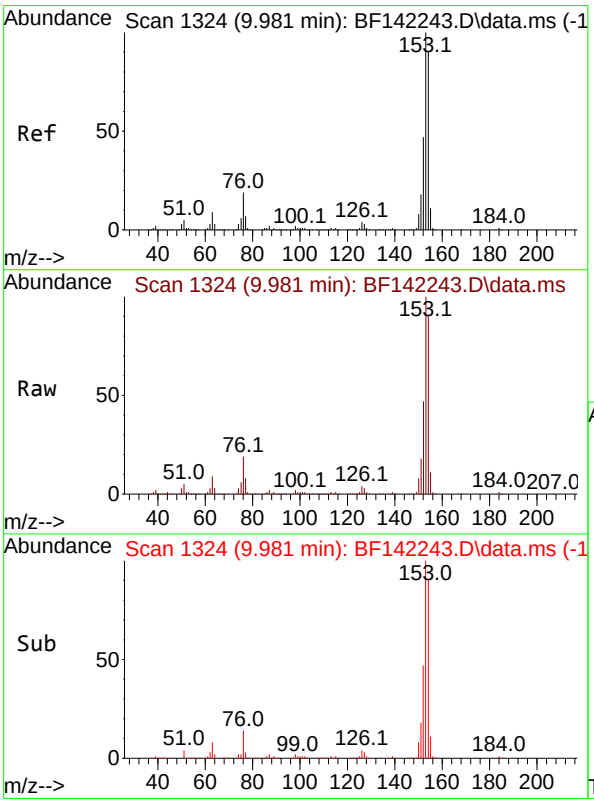
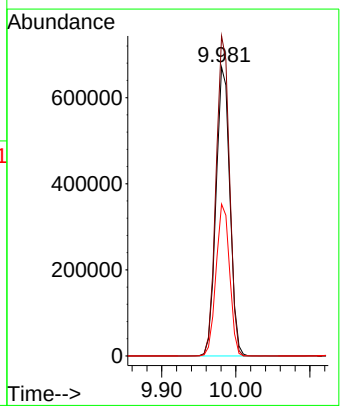


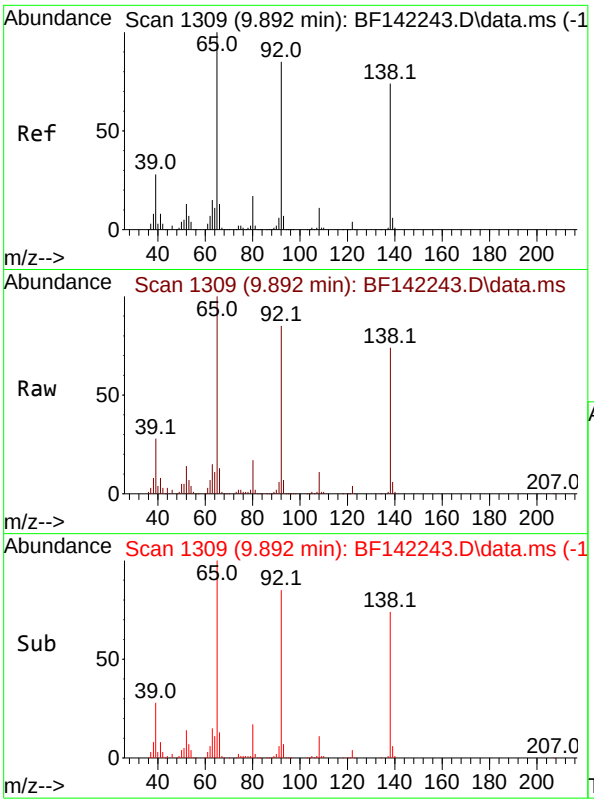


#52
Acenaphthene
Concen: 41.145 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:154 Resp: 869604

Ion	Ratio	Lower	Upper
154	100		
153	110.8	88.6	133.0
152	52.6	42.1	63.1

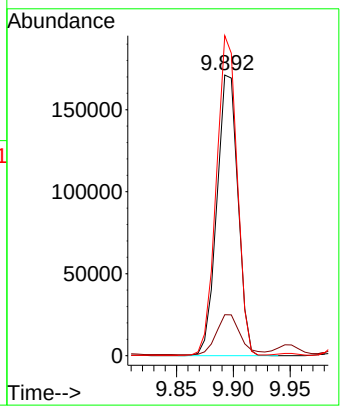




#53
3-Nitroaniline
Concen: 40.485 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:138 Resp: 22116

Ion	Ratio	Lower	Upper
138	100		
108	14.6	11.7	17.5
92	114.0	91.2	136.8



Instrument :
BNA_F
ClientSampleId :
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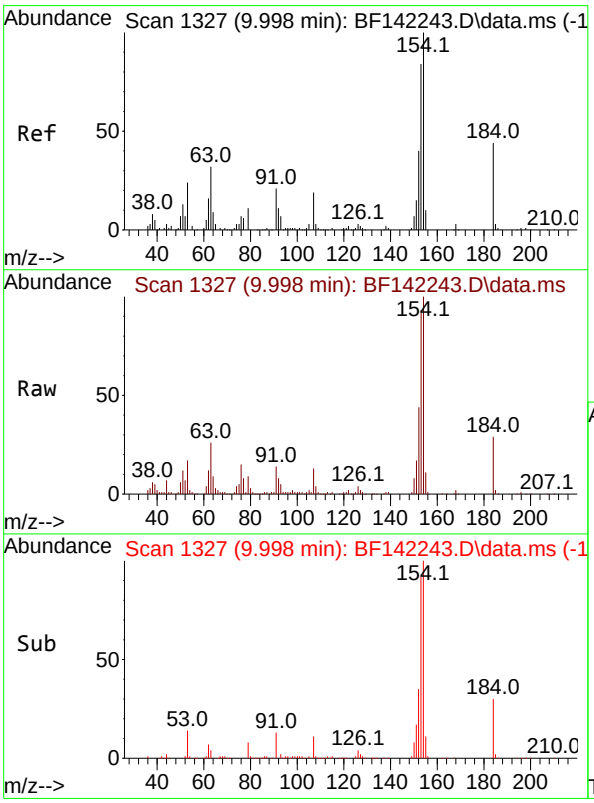
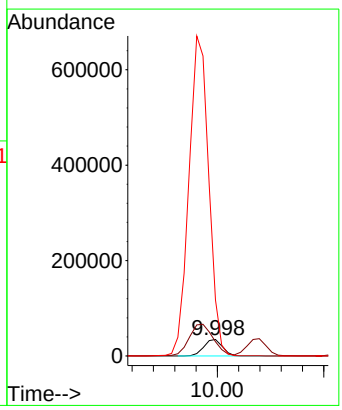
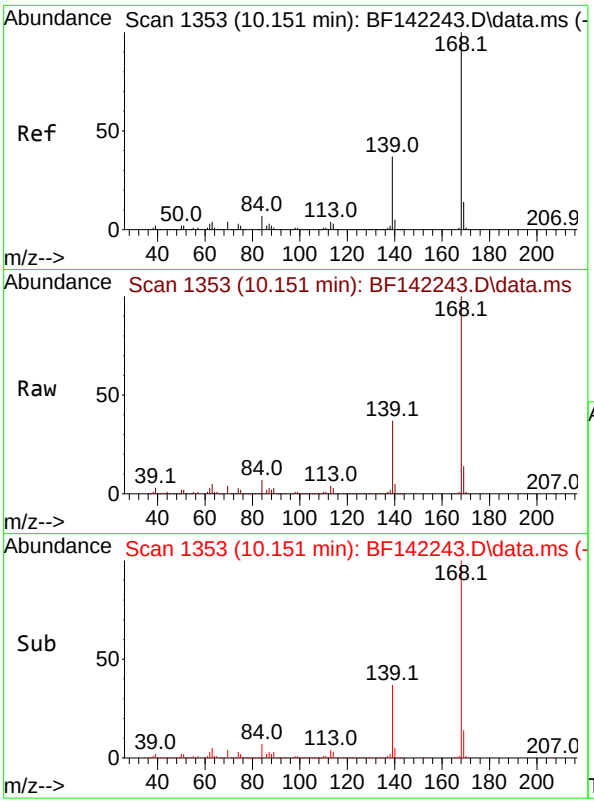


#54
2,4-Dinitrophenol
Concen: 38.466 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:184 Resp: 42260

Ion	Ratio	Lower	Upper
184	100		
63	86.5	69.2	103.8
154	339.3	271.4	407.2

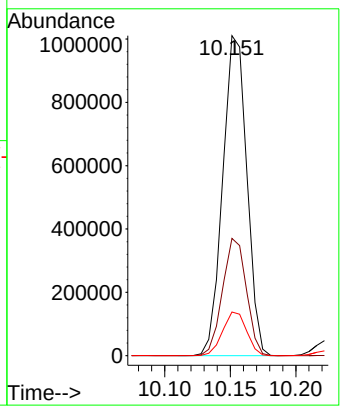




#55
Dibenzofuran
Concen: 40.813 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:168 Resp: 129303

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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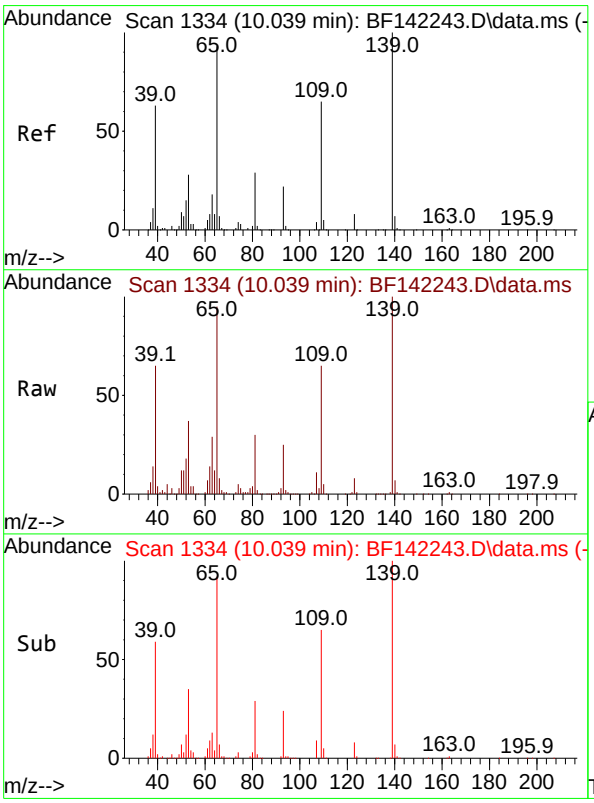
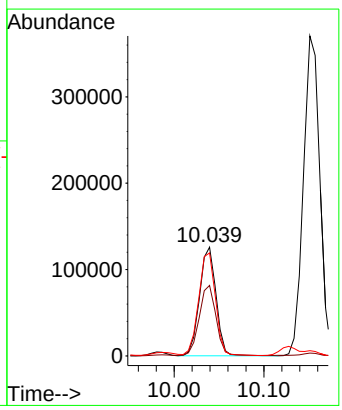
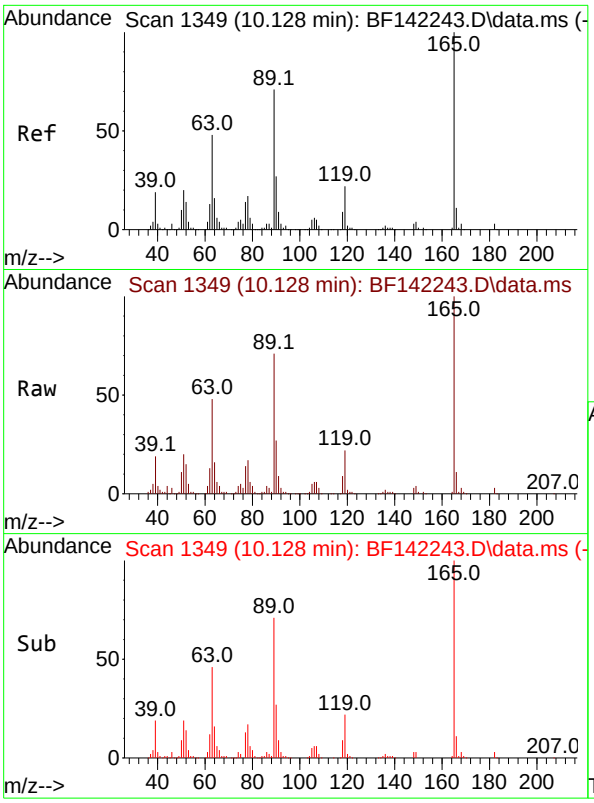


#56
4-Nitrophenol
Concen: 42.900 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:139 Resp: 159989

Ion	Ratio	Lower	Upper
139	100		
109	64.9	44.9	84.9
65	94.7	74.7	114.7

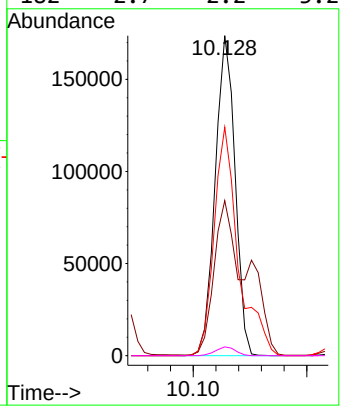




#57
2,4-Dinitrotoluene
Concen: 39.352 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:165 Resp: 21121

Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.8	58.2
89	71.4	57.1	85.7
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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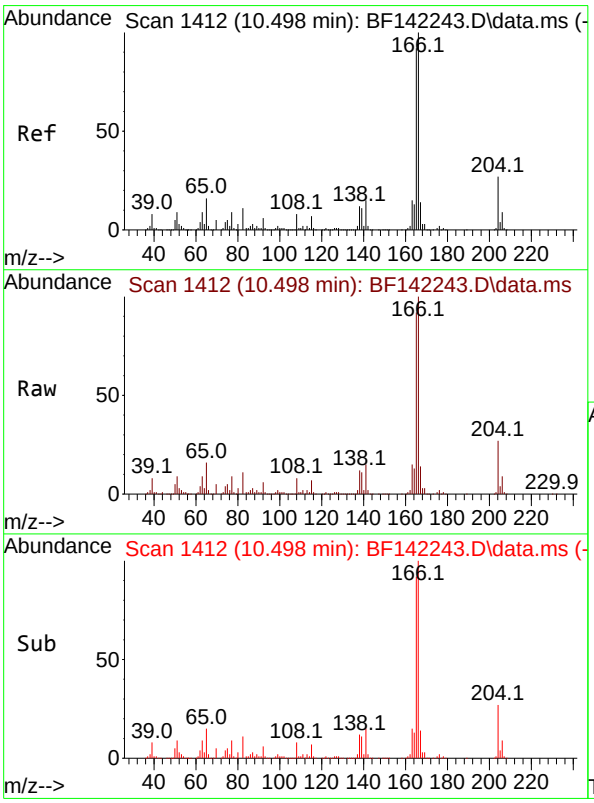
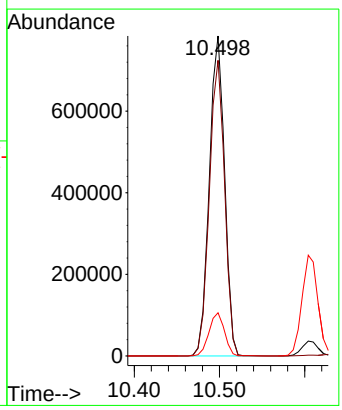
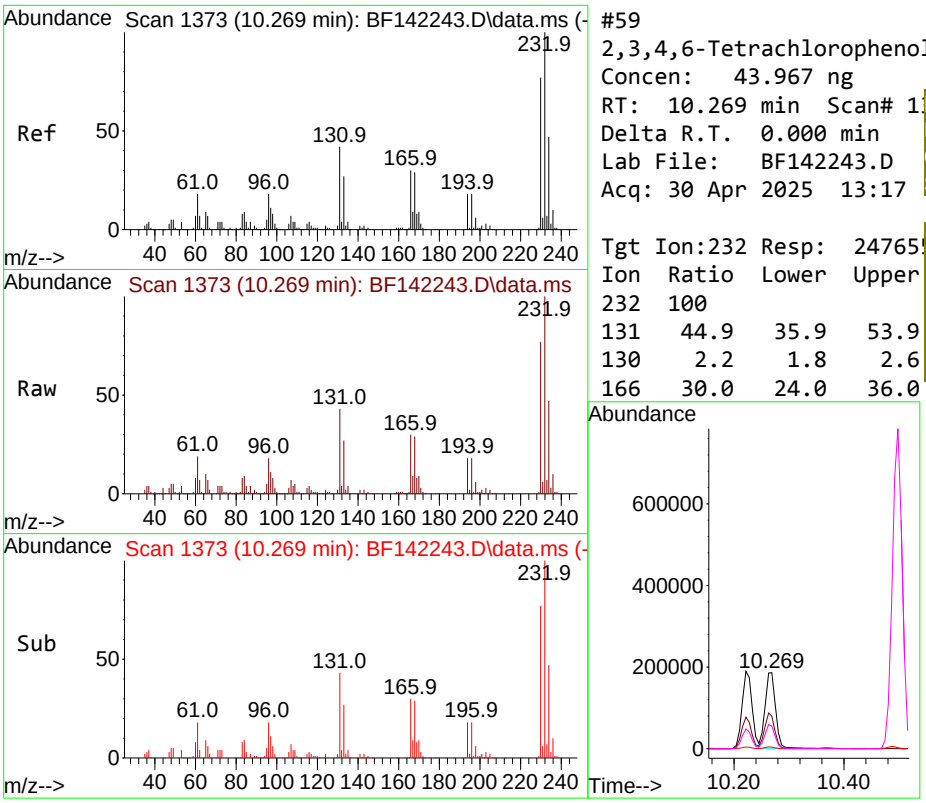


#58
Fluorene
Concen: 40.554 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:166 Resp: 976948

Ion	Ratio	Lower	Upper
166	100		
165	92.4	73.9	110.9
167	13.5	10.8	16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.967 ng
RT: 10.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:232 Resp: 24765

Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.9	53.9
130	2.2	1.8	2.6
166	30.0	24.0	36.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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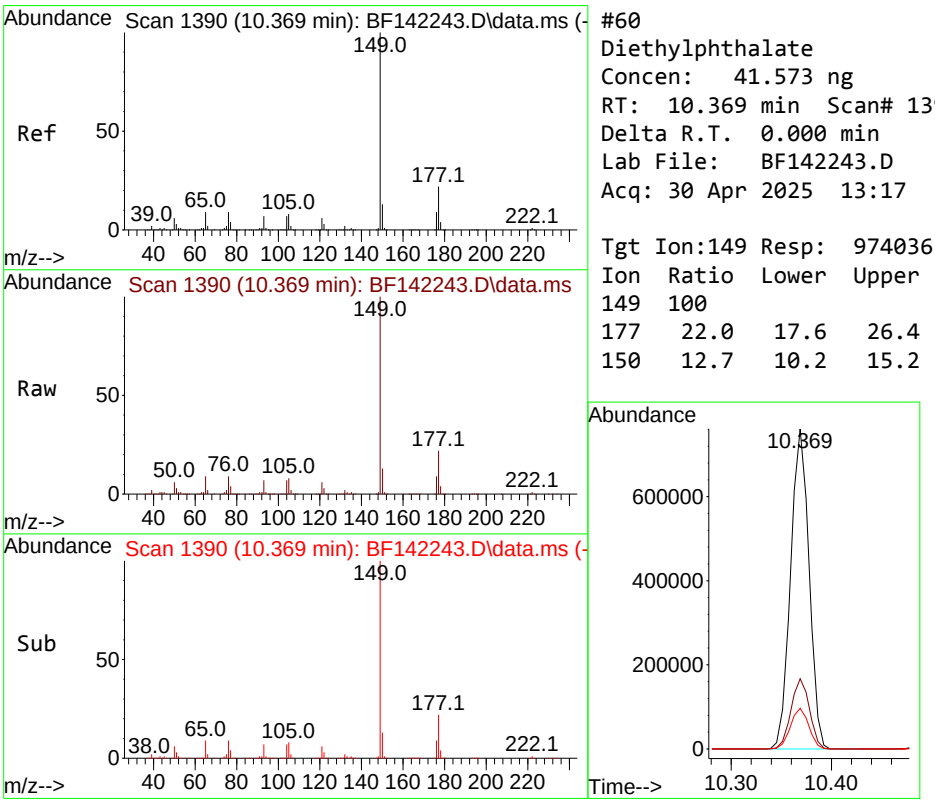
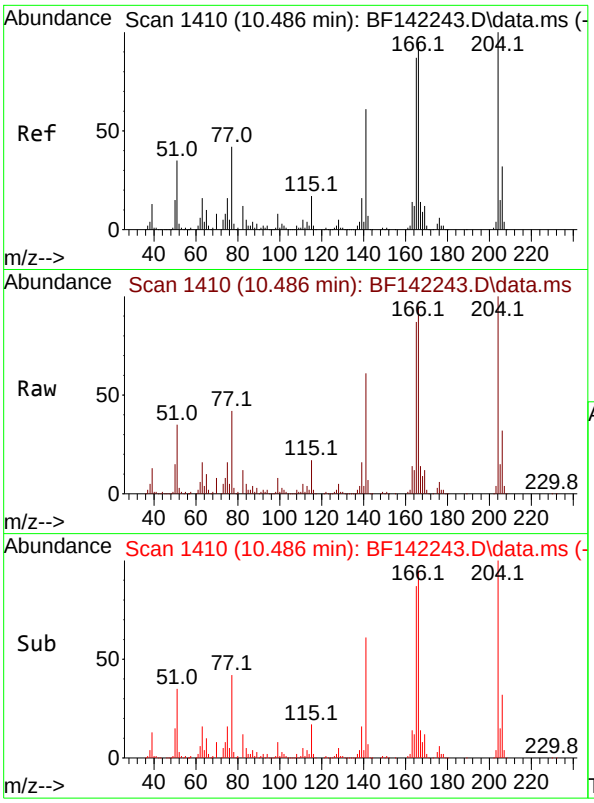


#60
Diethylphthalate
Concen: 41.573 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 974036

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.7	10.2	15.2



#61
4-Chlorophenyl-phenylether
Concen: 40.986 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 46889

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	61.1	48.9	73.3

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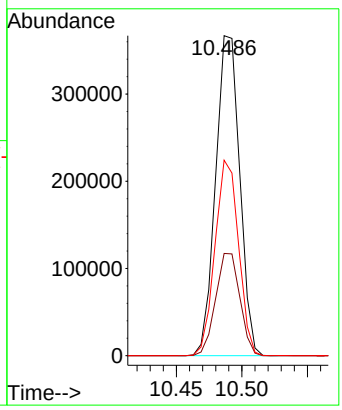
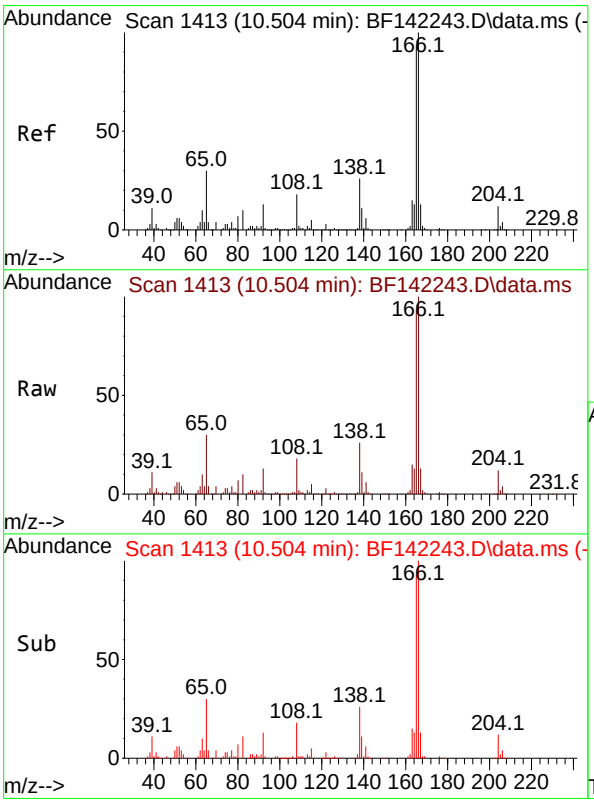
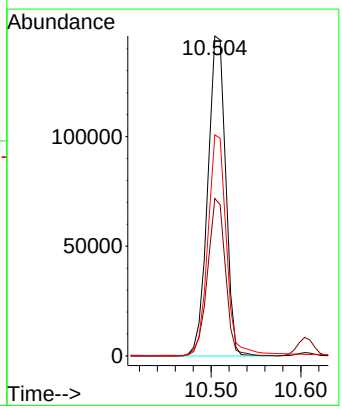


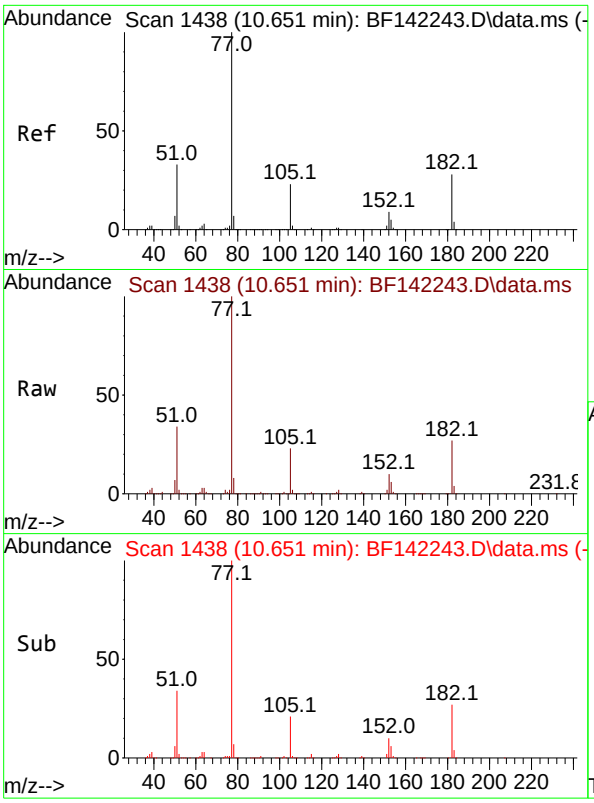


#62
4-Nitroaniline
Concen: 40.498 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:138 Resp: 201491

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	69.1	49.1	89.1





#63
Azobenzene
Concen: 40.994 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 94844

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.5	2.5	42.5
51	34.4	14.4	54.4

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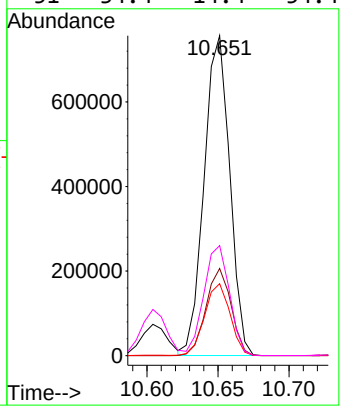
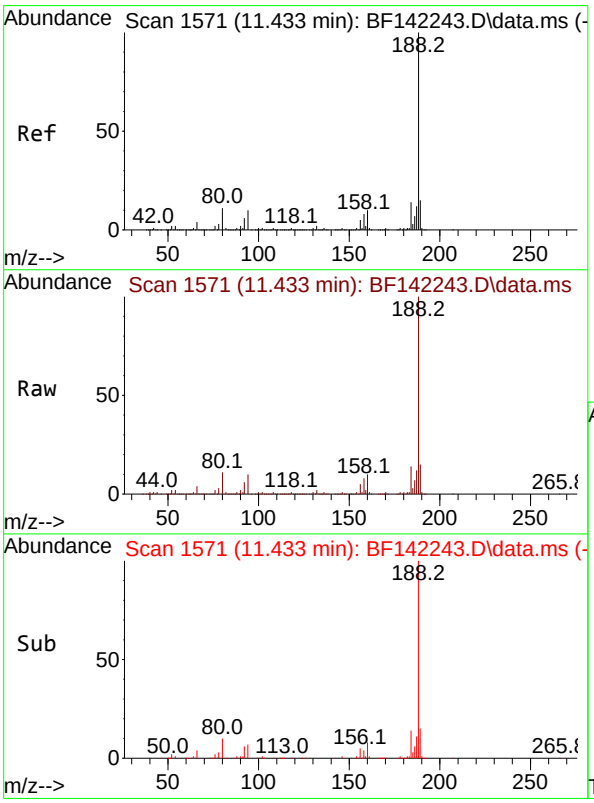
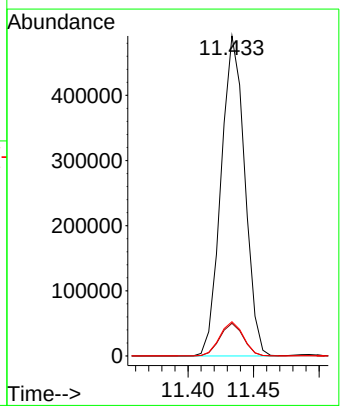


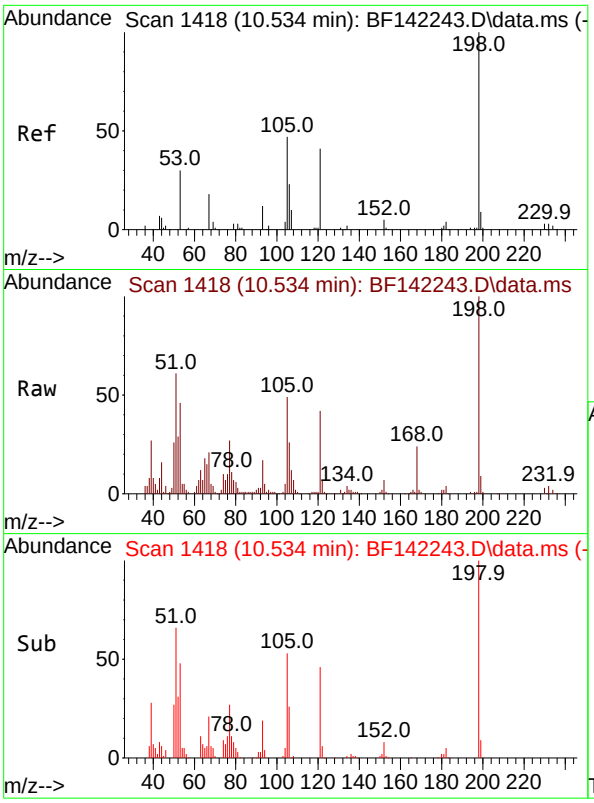


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:188 Resp: 616408

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	10.7	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 36.574 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:198 Resp: 6767

Ion	Ratio	Lower	Upper
198	100		
51	60.6	40.6	80.6
105	49.2	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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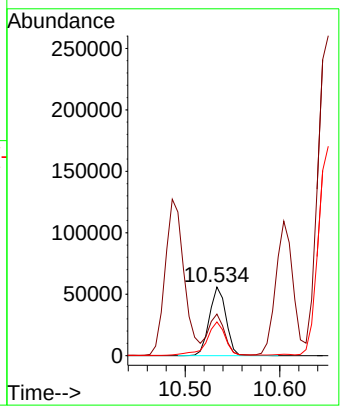
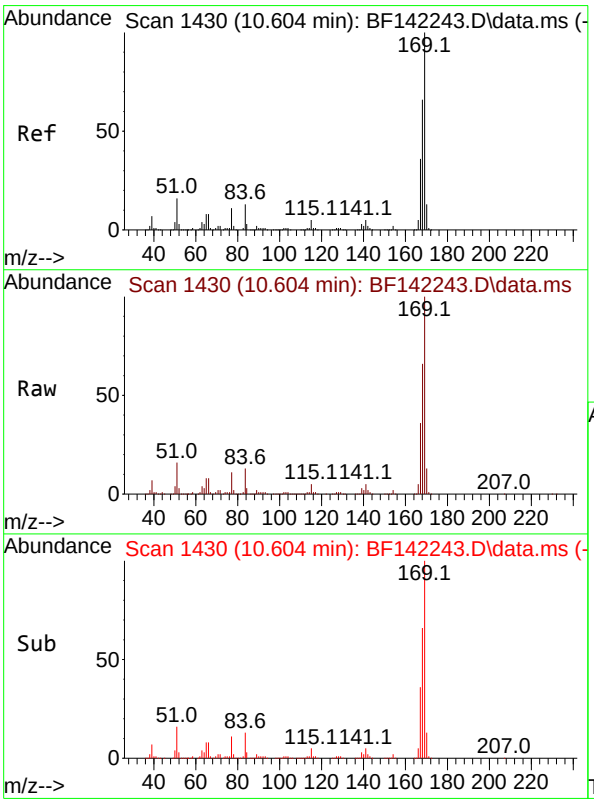
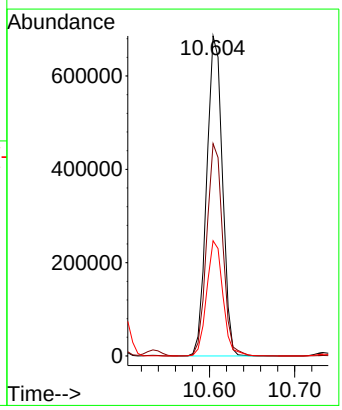


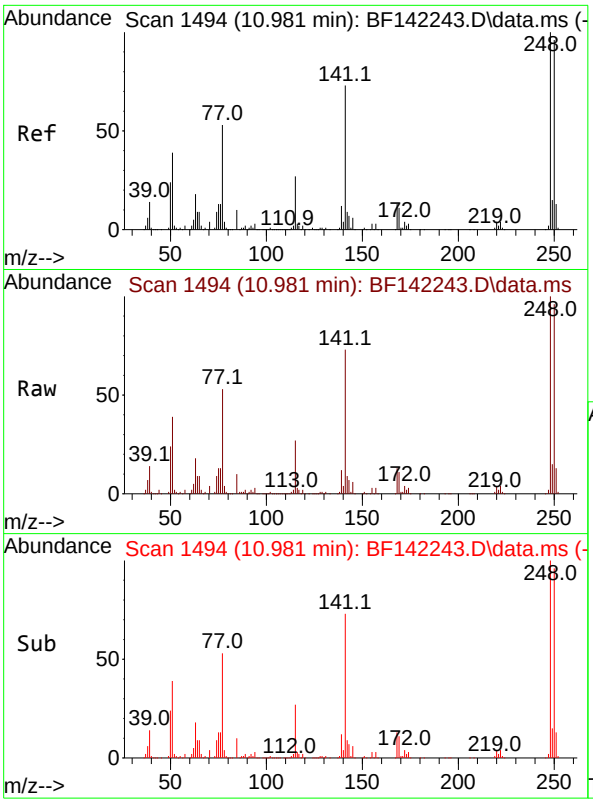


#66
n-Nitrosodiphenylamine
Concen: 41.656 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:169 Resp: 877338

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.0	28.8	43.2

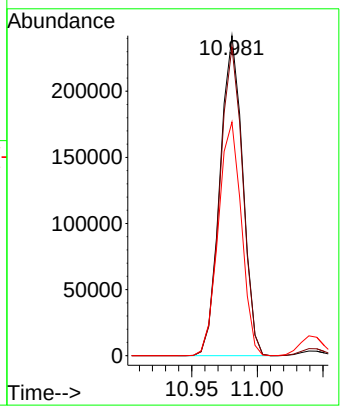




#67
4-Bromophenyl-phenylether
Concen: 42.400 ng
RT: 10.981 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:248 Resp: 29106

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.2	115.8
141	73.0	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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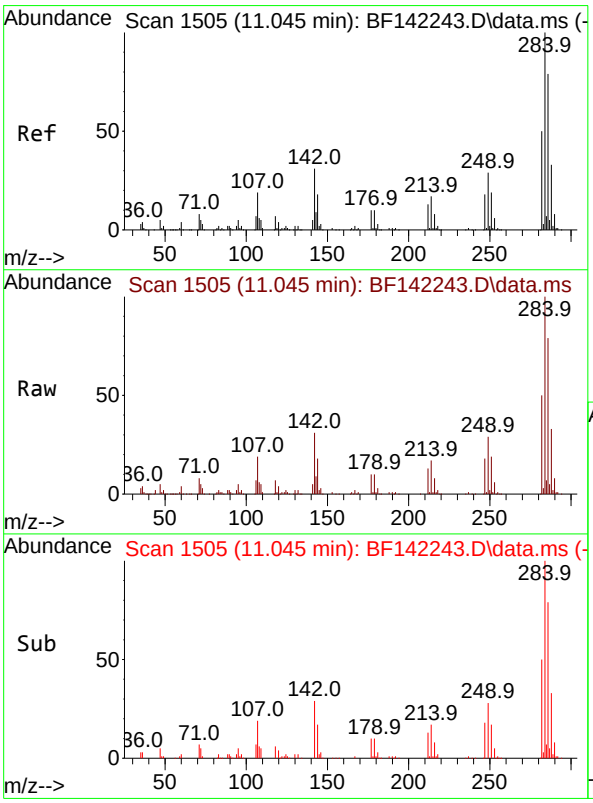
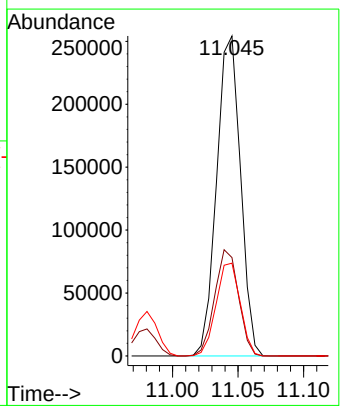
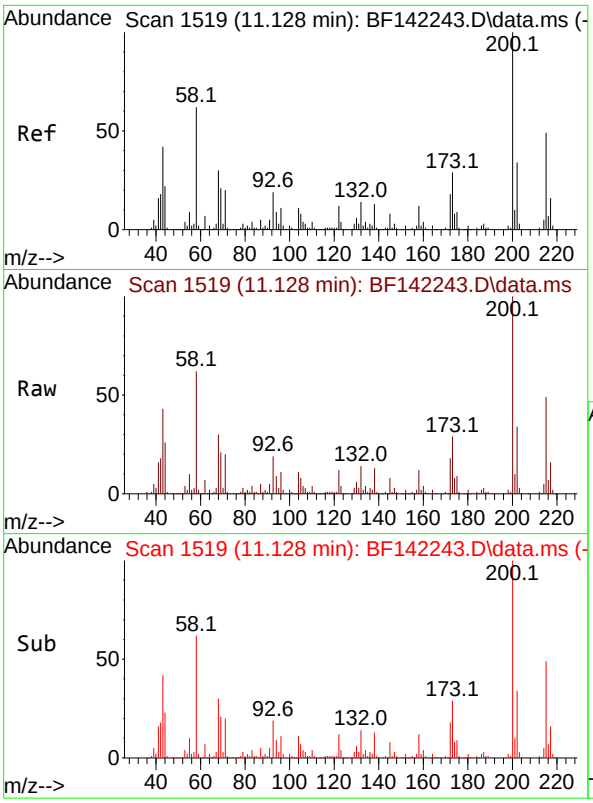


#68
Hexachlorobenzene
Concen: 41.809 ng
RT: 11.045 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:284 Resp: 321448

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.0	23.2	34.8

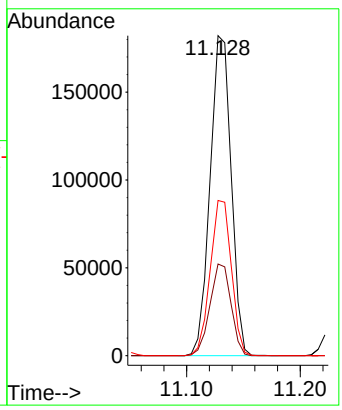




#69
Atrazine
Concen: 42.299 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:200 Resp: 23482

Ion	Ratio	Lower	Upper
200	100		
173	28.6	8.6	48.6
215	48.5	28.5	68.5



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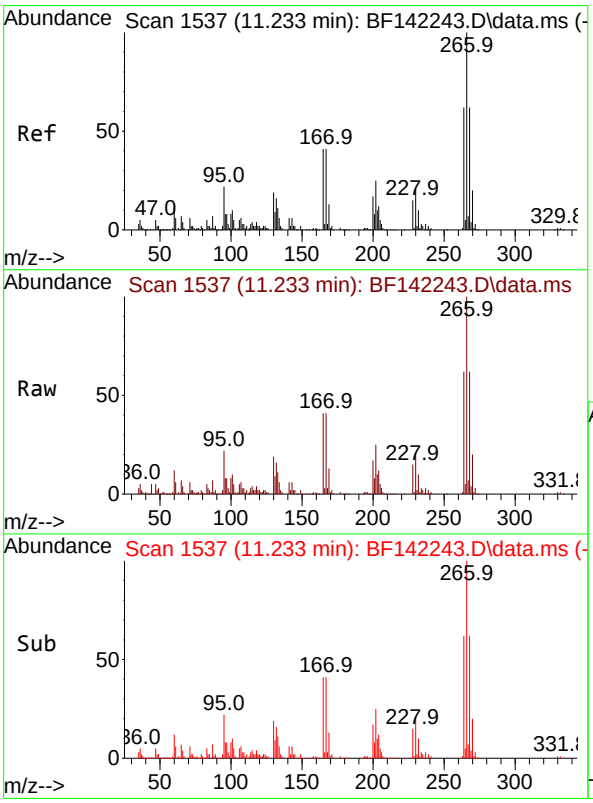
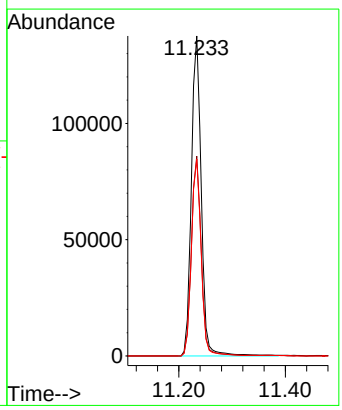
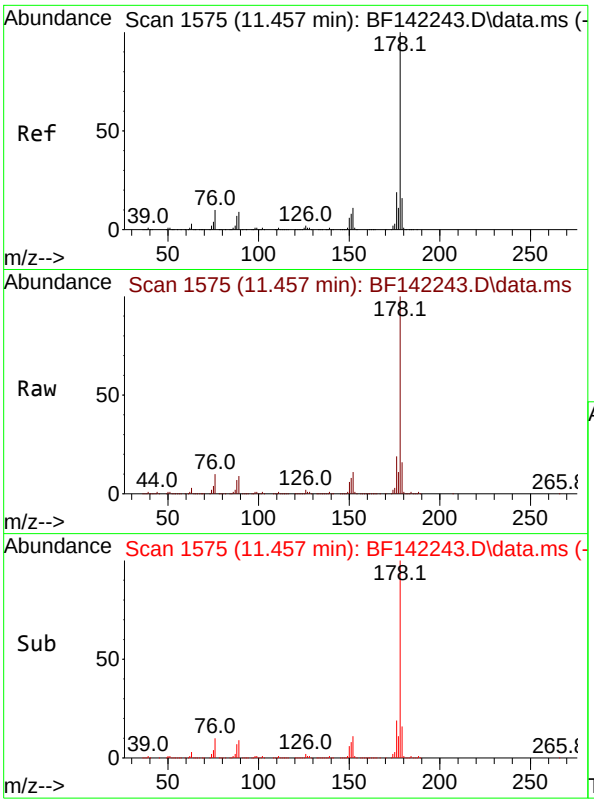


#70
Pentachlorophenol
Concen: 43.764 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:266 Resp: 177755

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.0	75.0
264	61.6	49.3	73.9

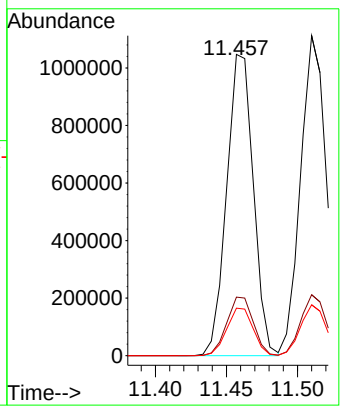




#71
Phenanthrene
Concen: 41.176 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:178 Resp: 137100

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.8	12.6	19.0



Instrument :
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ClientSampleId :
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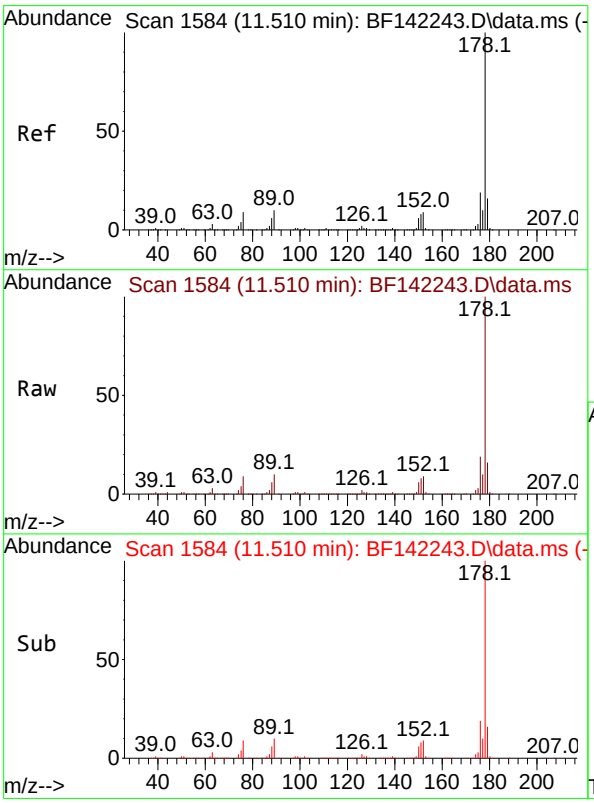
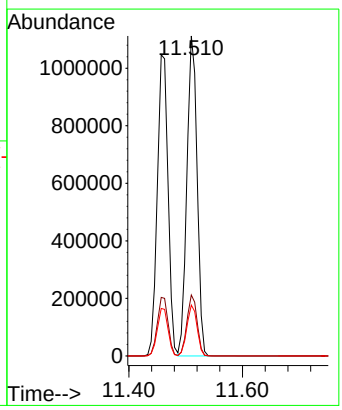
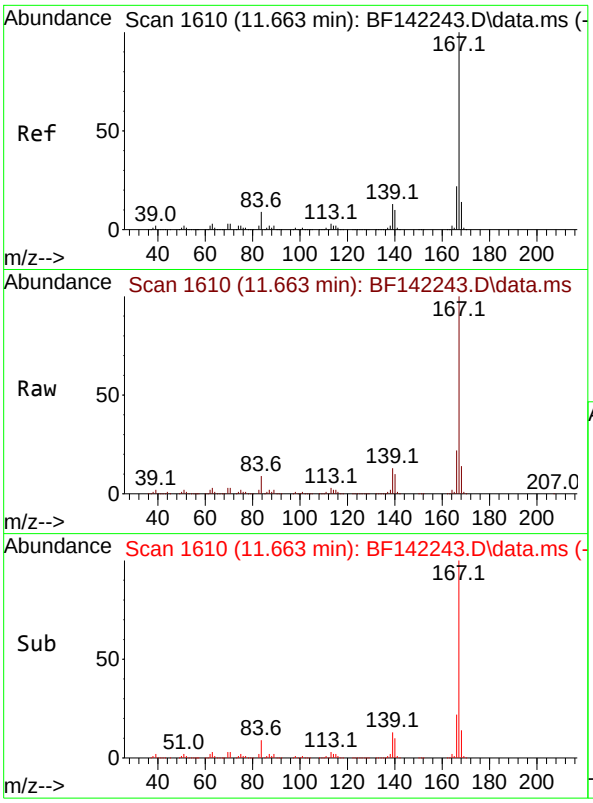


#72
Anthracene
Concen: 40.840 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:178 Resp: 1390308

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.9	12.7	19.1

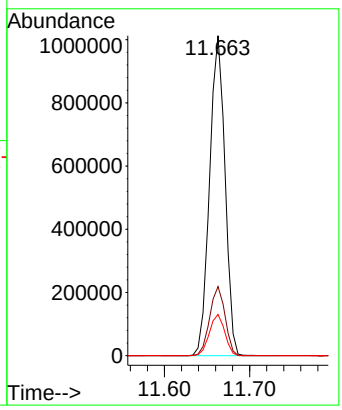




#73
Carbazole
Concen: 40.999 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:167 Resp: 127318

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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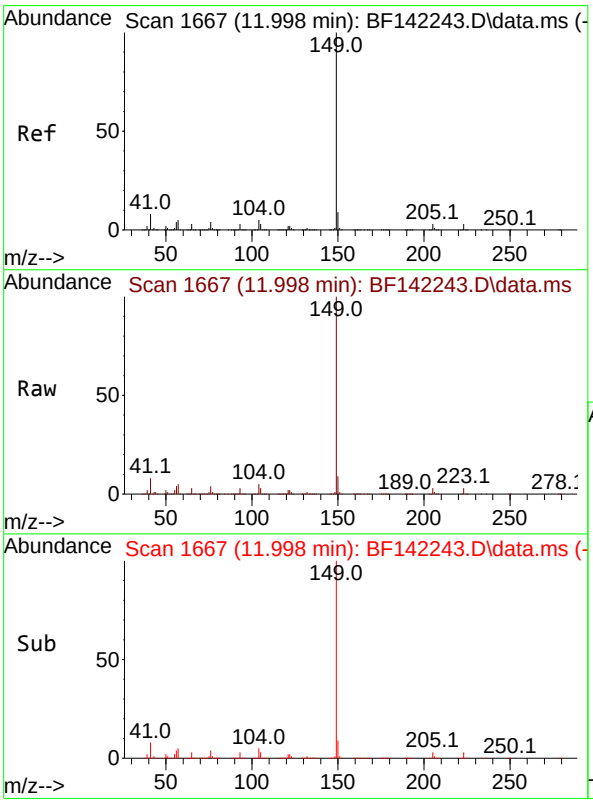
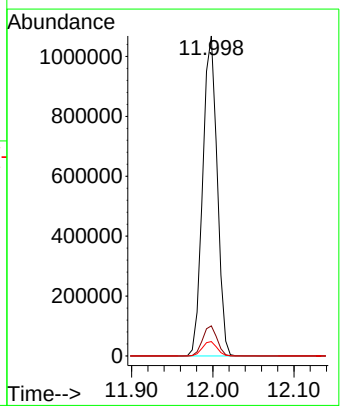
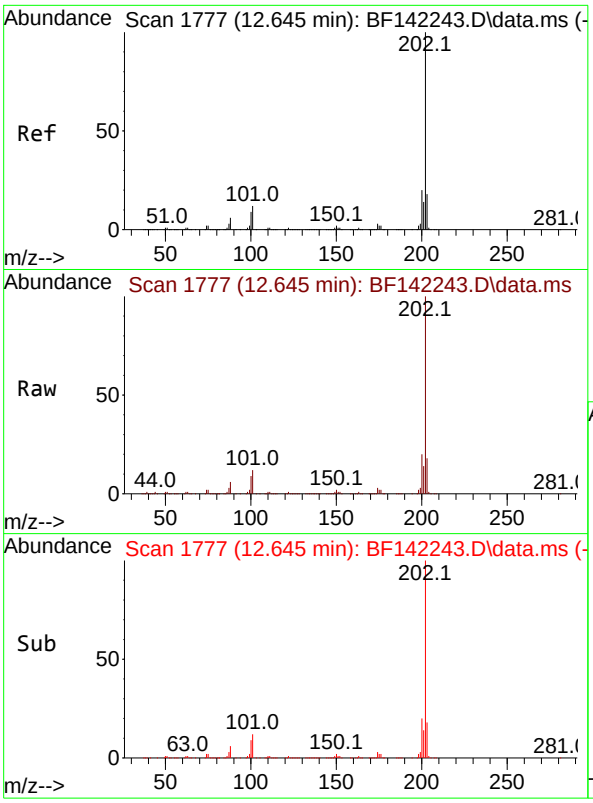


#74
Di-n-butylphthalate
Concen: 42.180 ng
RT: 11.998 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 1317363

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

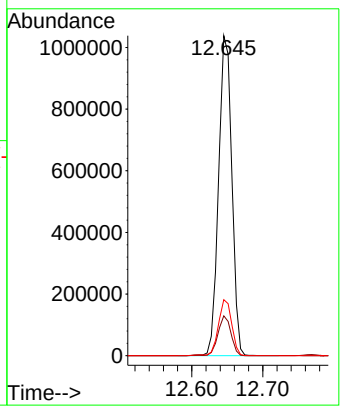




#75
Fluoranthene
Concen: 40.652 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:202 Resp: 133800

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.4
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
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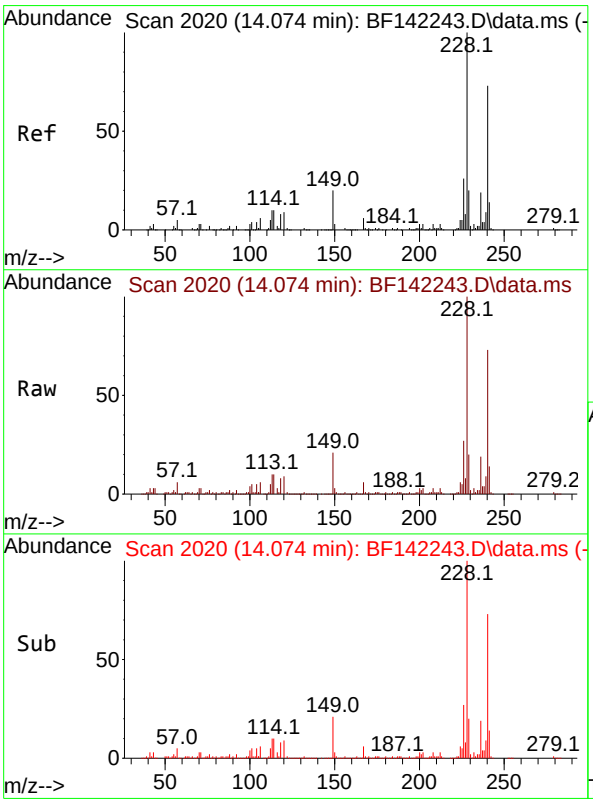
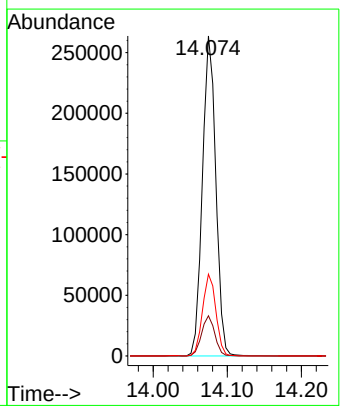
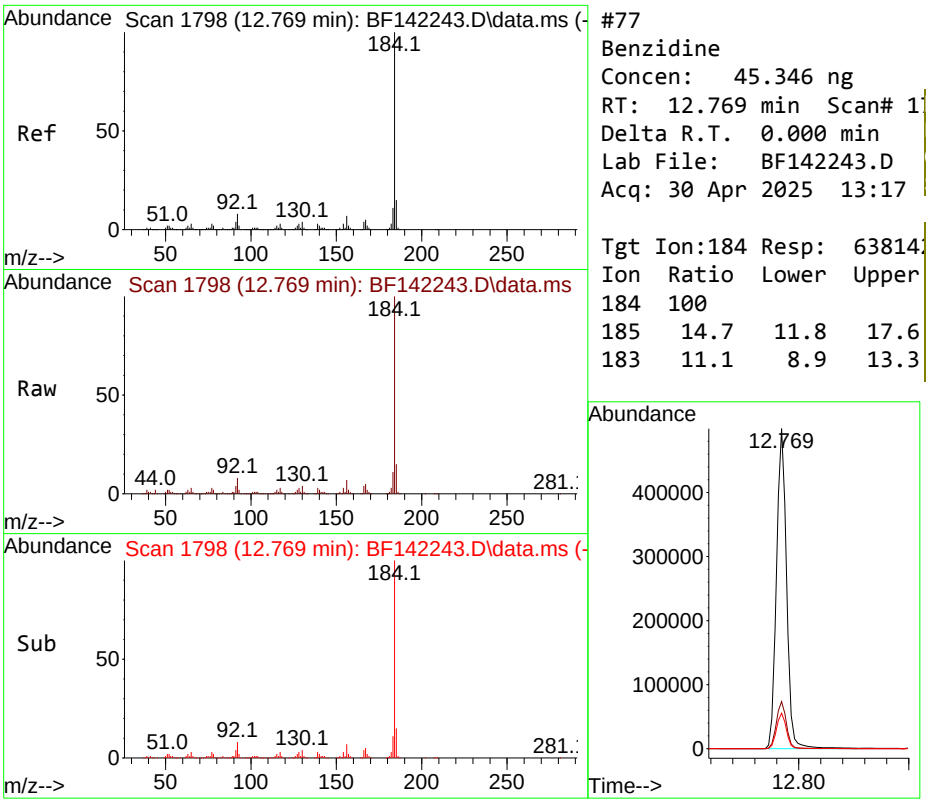


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:240 Resp: 331192

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.6	20.5	30.7





#77
Benzidine
Concen: 45.346 ng
RT: 12.769 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:184 Resp: 63814

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.1	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
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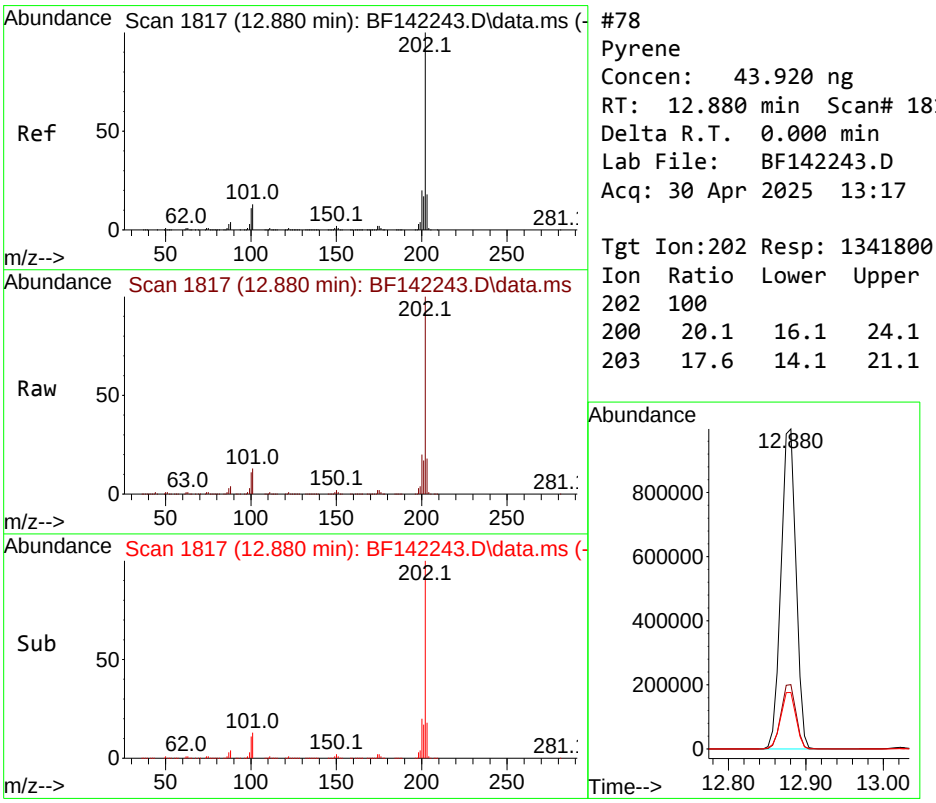
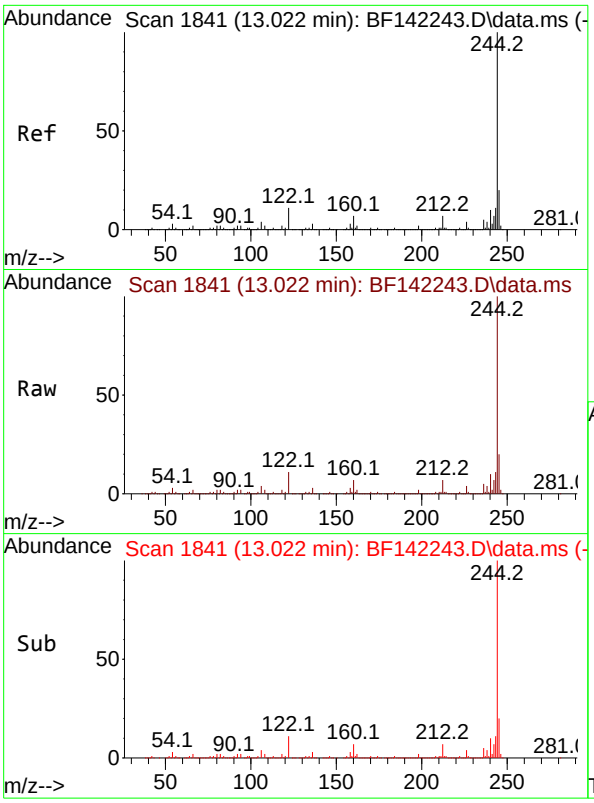


#78
Pyrene
Concen: 43.920 ng
RT: 12.880 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:202 Resp: 1341800

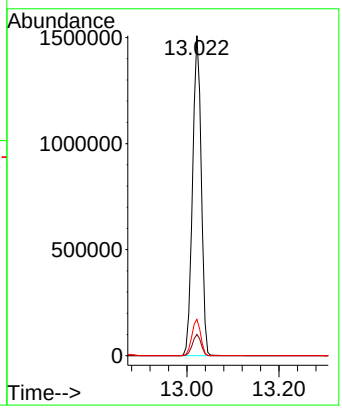
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.6	14.1	21.1



#79
Terphenyl-d14
Concen: 86.181 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:244 Resp: 196247

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.4	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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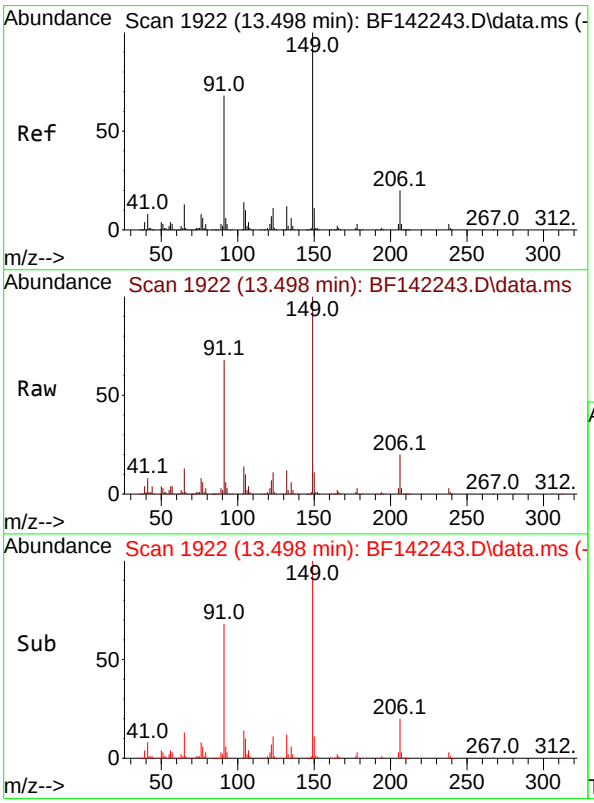
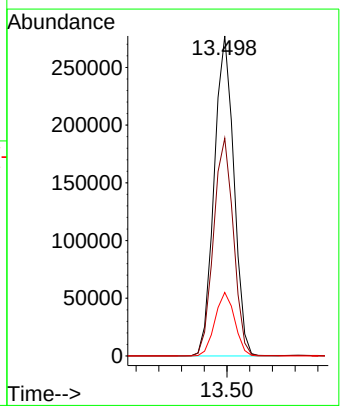
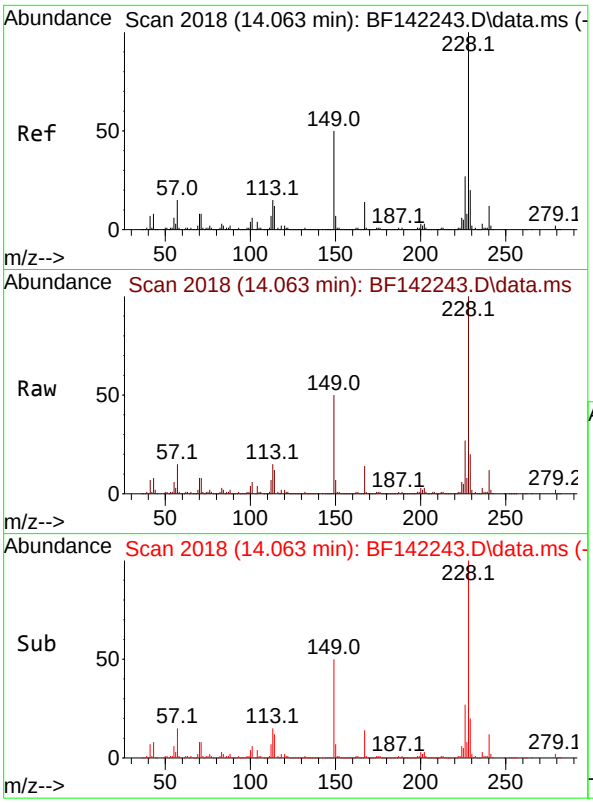


#80
Butylbenzylphthalate
Concen: 40.624 ng
RT: 13.498 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 334175

Ion	Ratio	Lower	Upper
149	100		
91	68.0	54.4	81.6
206	19.9	15.9	23.9

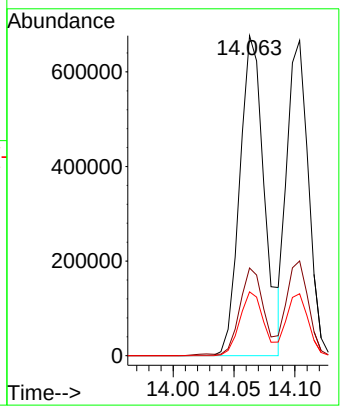




#81
Benzo(a)anthracene
Concen: 42.831 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:228 Resp: 95229

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	20.0	16.0	24.0



Instrument :
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ClientSampleId :
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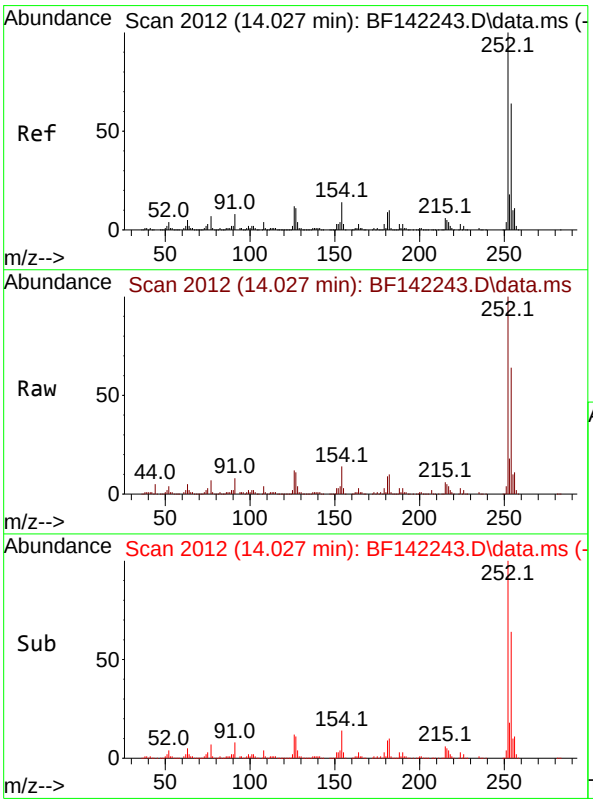
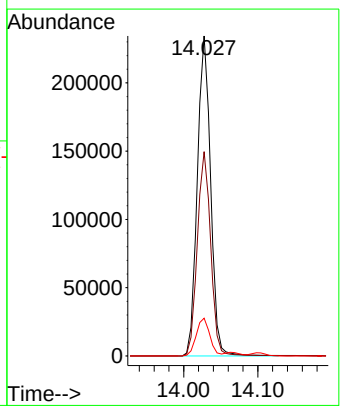
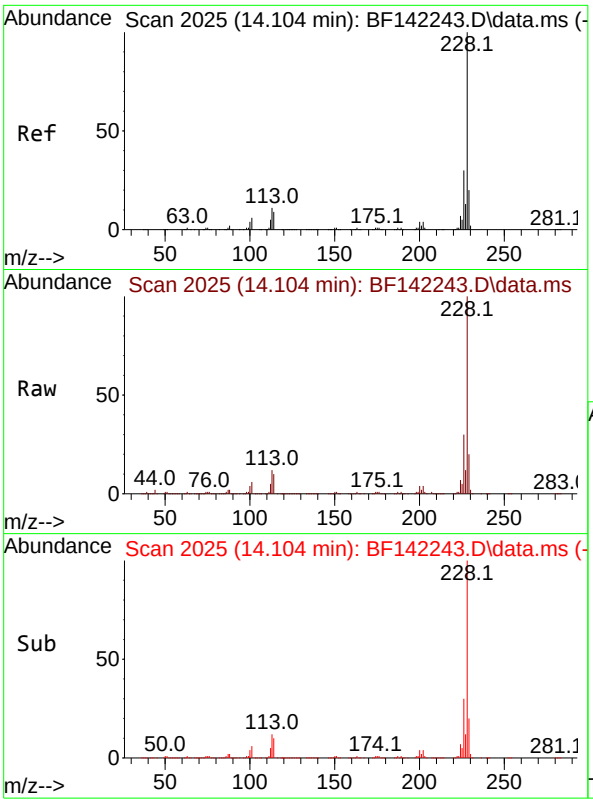


#82
3,3'-Dichlorobenzidine
Concen: 44.859 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 292958

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	11.8	9.4	14.2

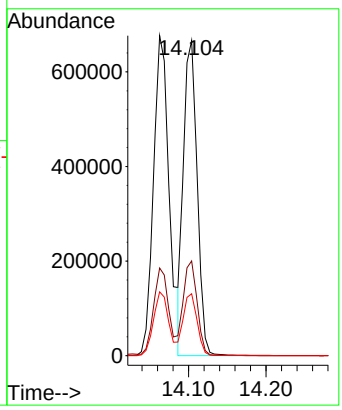




#83
Chrysene
Concen: 40.321 ng
RT: 14.104 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:228 Resp: 81604

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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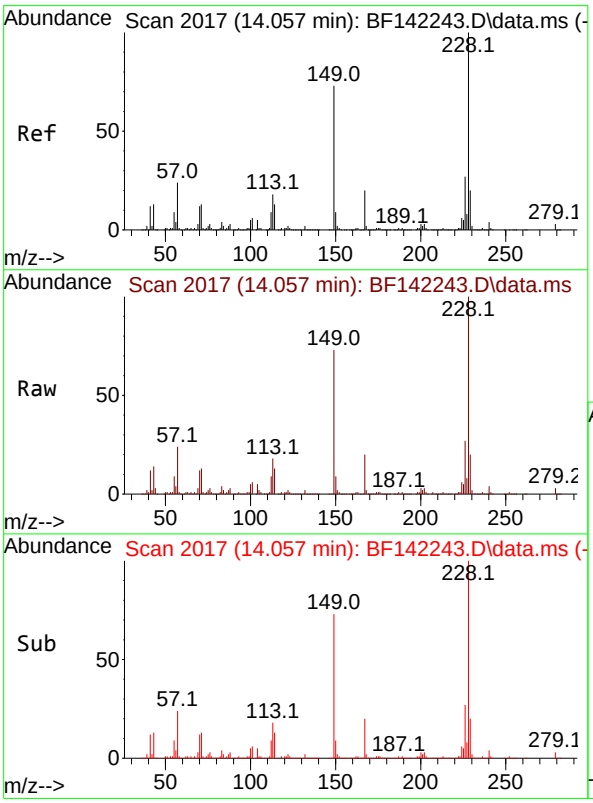
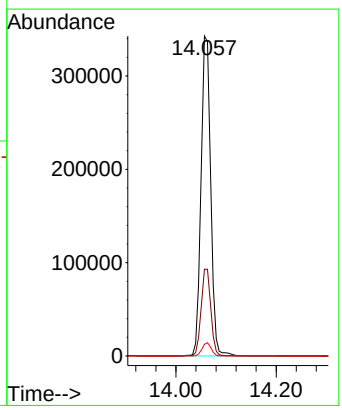
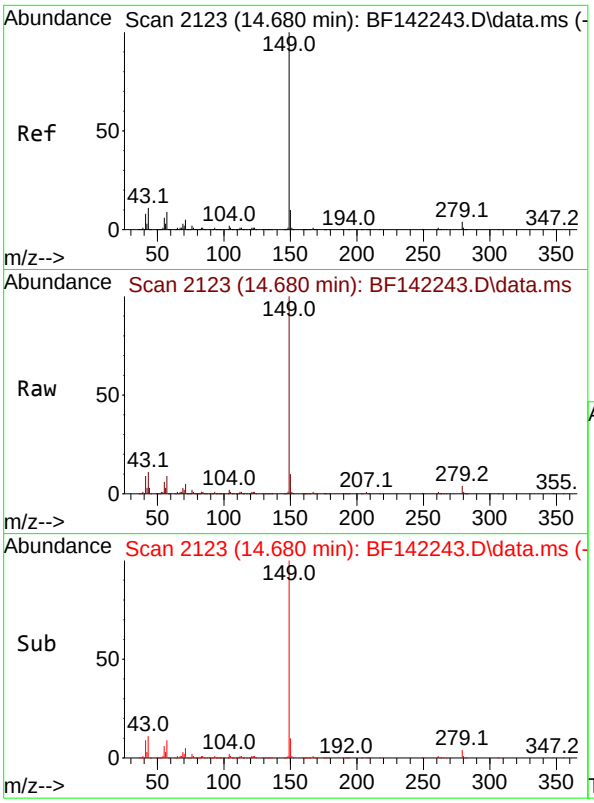


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.356 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 460074

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.7	3.0	4.4

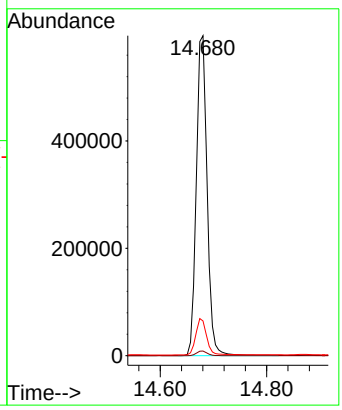




#85
Di-n-octyl phthalate
Concen: 40.504 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:149 Resp: 83607

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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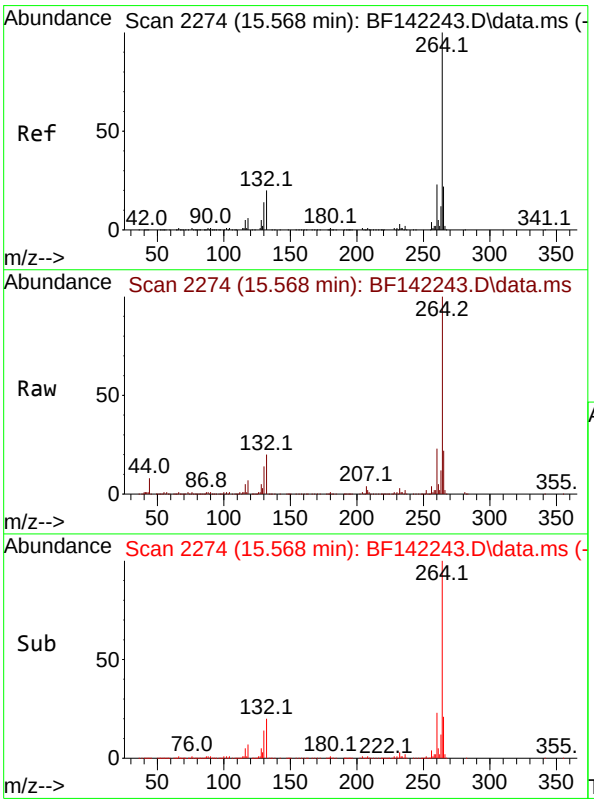
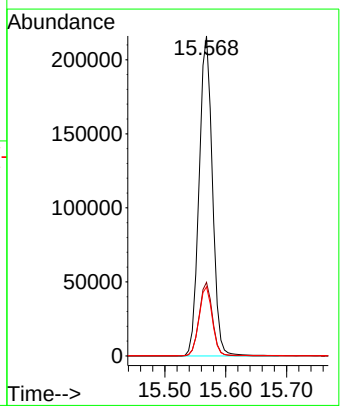
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

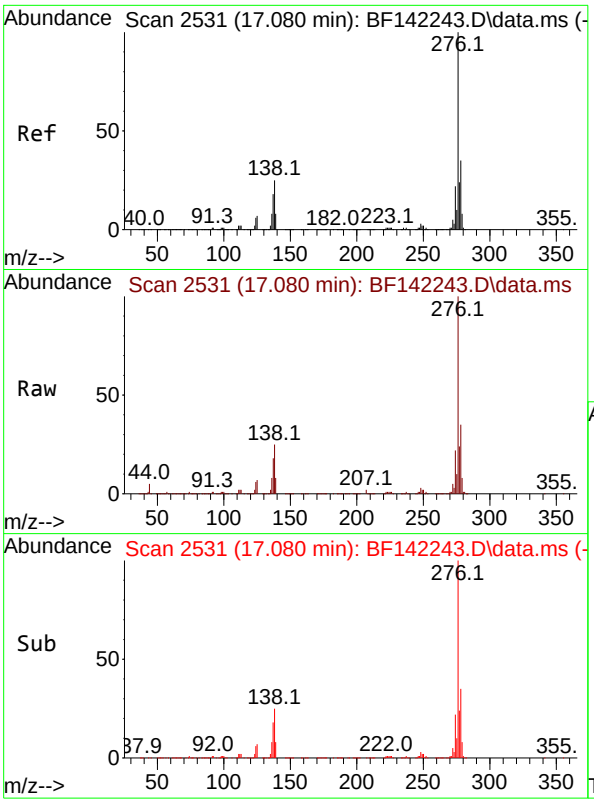


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:264 Resp: 328405

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.6	17.3	25.9

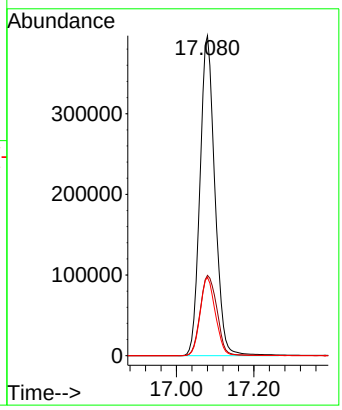




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.049 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:276 Resp: 105959

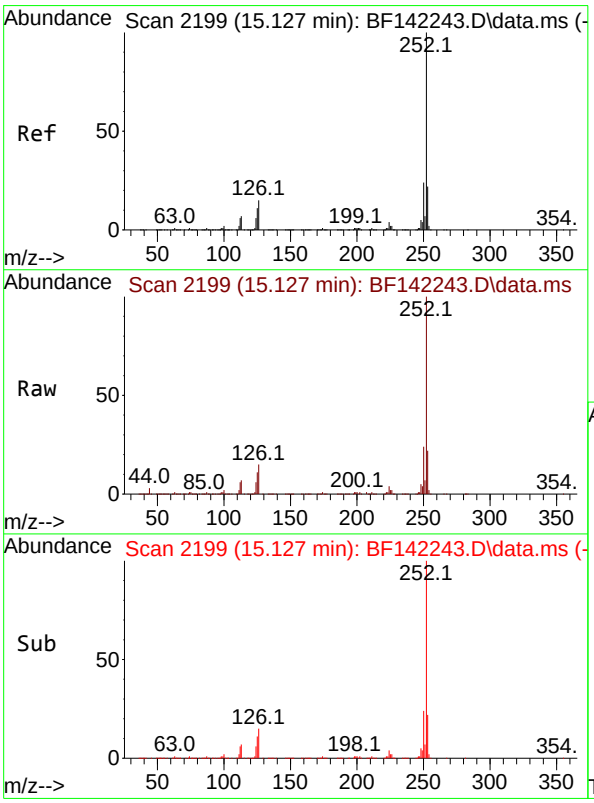
Ion	Ratio	Lower	Upper
276	100		
138	28.2	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

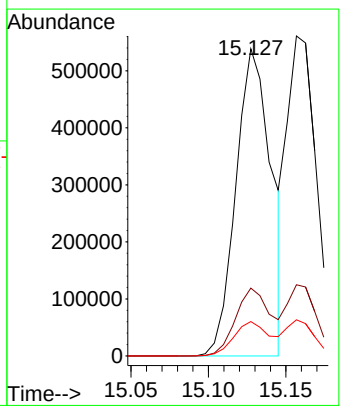
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

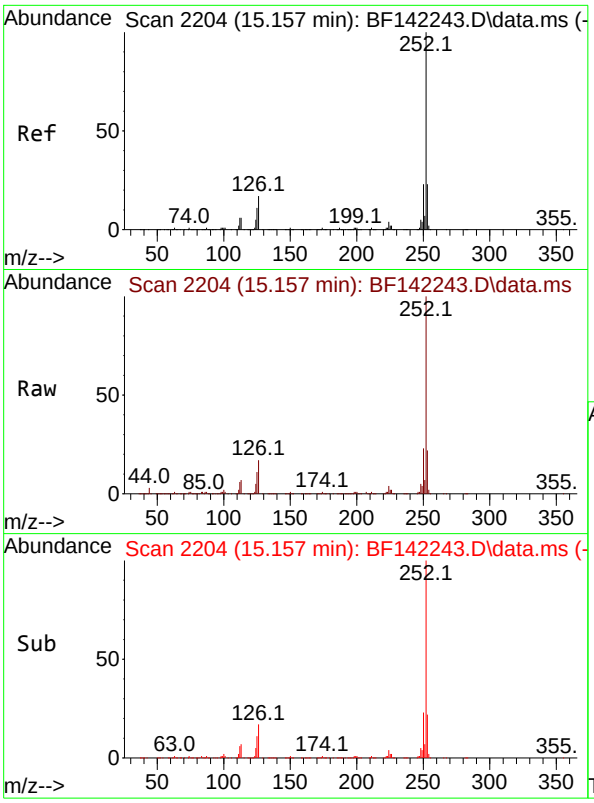


#88
Benzo(b)fluoranthene
Concen: 41.912 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 854971

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.2	9.0	13.4

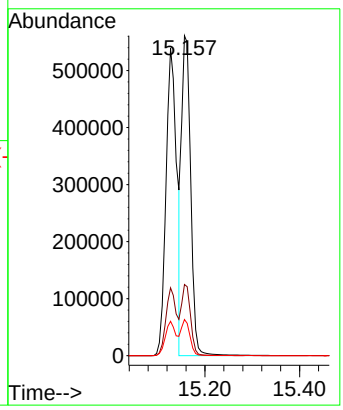




#89
Benzo(k)fluoranthene
Concen: 40.310 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 75213

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
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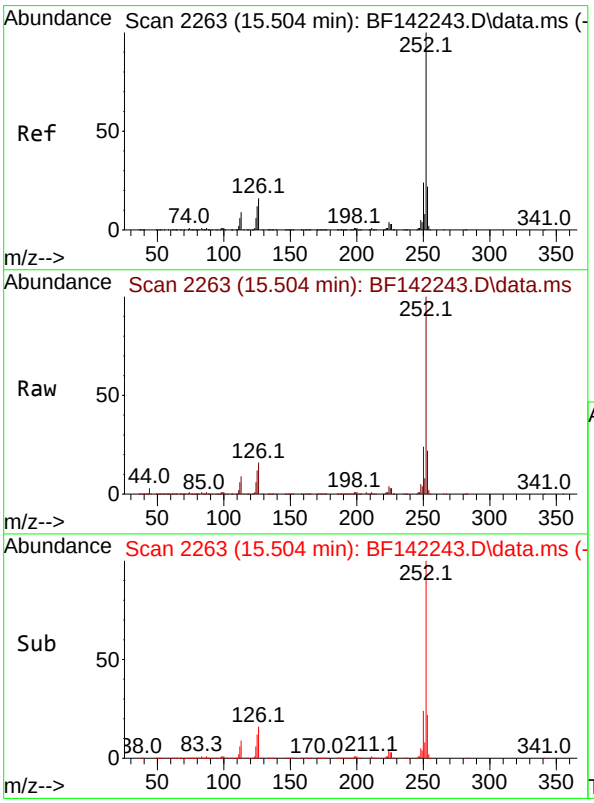
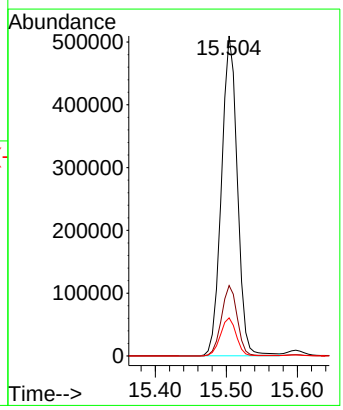
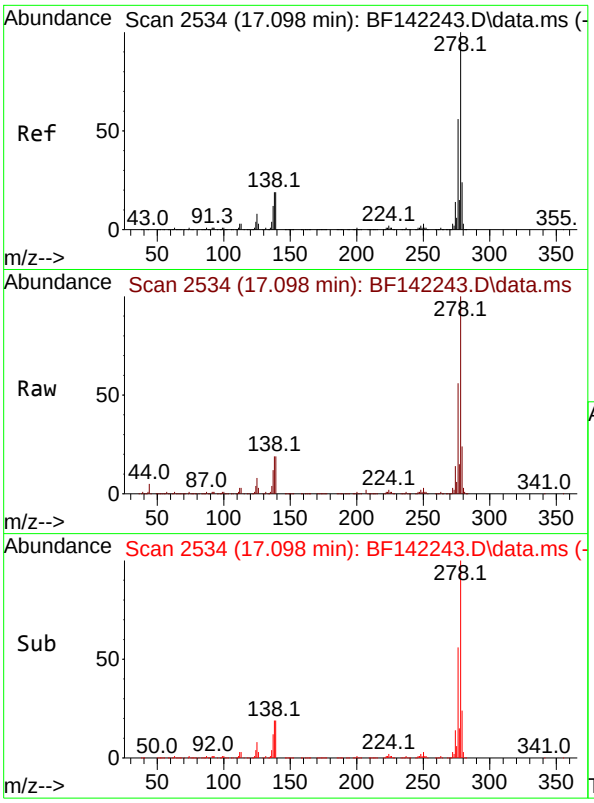


#90
Benzo(a)pyrene
Concen: 42.318 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:252 Resp: 790330

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.9	9.5	14.3

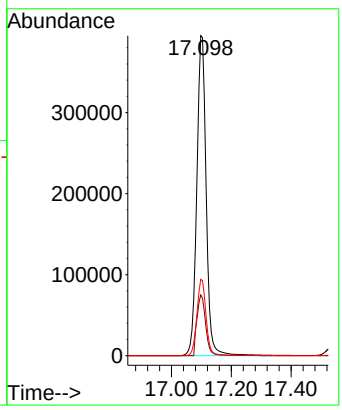




#91
Dibenzo(a,h)anthracene
Concen: 44.142 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:278 Resp: 86178

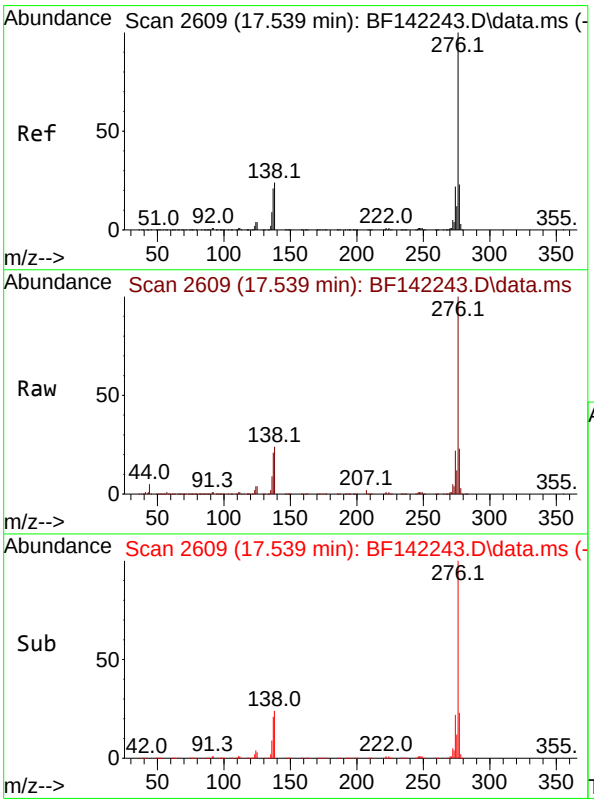
Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.2	22.8
279	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

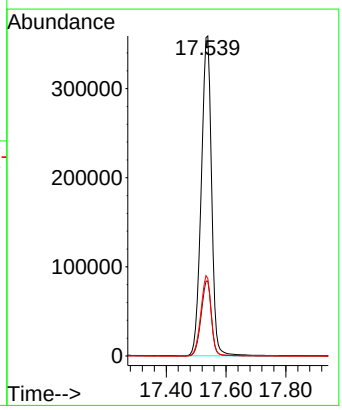
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 43.758 ng
RT: 17.539 min Scan# 2609
Delta R.T. 0.000 min
Lab File: BF142243.D
Acq: 30 Apr 2025 13:17

Tgt Ion:276 Resp: 858804

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	24.2	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142244.D
Acq On : 30 Apr 2025 13:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 30 15:43:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	179073	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	691236	20.000	ng		0.00
39) Acenaphthene-d10	9.951	164	360144	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	604171	20.000	ng		0.00
76) Chrysene-d12	14.074	240	322957	20.000	ng		0.00
86) Perylene-d12	15.568	264	337726	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1150166	102.577	ng		0.00
7) Phenol-d6	6.528	99	1387418	102.468	ng		0.00
23) Nitrobenzene-d5	7.475	82	1213856	115.369	ng		0.00
42) 2,4,6-Tribromophenol	10.739	330	369823	112.641	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	2425708	94.966	ng		0.00
79) Terphenyl-d14	13.021	244	2247982	101.236	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	259869	51.894	ng		99
3) Pyridine	3.463	79	672711	51.688	ng		100
4) n-Nitrosodimethylamine	3.416	42	353028	52.416	ng		96
6) Aniline	6.575	93	986118	51.454	ng		99
8) 2-Chlorophenol	6.692	128	606252	52.325	ng		99
9) Benzaldehyde	6.463	77	482619	50.998	ng		98
10) Phenol	6.539	94	755326m	51.820	ng		
11) bis(2-Chloroethyl)ether	6.645	93	575347	50.934	ng		100
12) 1,3-Dichlorobenzene	6.851	146	661612	50.476	ng		99
13) 1,4-Dichlorobenzene	6.928	146	666083	50.439	ng		99
14) 1,2-Dichlorobenzene	7.081	146	640983	50.843	ng		100
15) Benzyl Alcohol	7.045	79	504297	52.514	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1049319	51.444	ng		100
17) 2-Methylphenol	7.151	107	485145	51.113	ng		100
18) Hexachloroethane	7.428	117	229911	53.193	ng		97
19) n-Nitroso-di-n-propyla...	7.328	70	420535	50.261	ng		99
20) 3+4-Methylphenols	7.310	107	611404	51.510	ng	#	89
22) Acetophenone	7.322	105	796460	49.805	ng		96
24) Nitrobenzene	7.492	77	584670	56.634	ng		99
25) Isophorone	7.734	82	1129933	51.170	ng		99
26) 2-Nitrophenol	7.810	139	228021	51.526	ng		97
27) 2,4-Dimethylphenol	7.839	122	576054	51.741	ng		100
28) bis(2-Chloroethoxy)met...	7.939	93	708439	50.870	ng		99
29) 2,4-Dichlorophenol	8.045	162	494488	53.125	ng		99
30) 1,2,4-Trichlorobenzene	8.133	180	524508	50.497	ng		100
31) Naphthalene	8.216	128	1725818	50.064	ng		100
32) Benzoic acid	7.939	122	252184	47.667	ng		98
33) 4-Chloroaniline	8.257	127	730860	50.914	ng		99
34) Hexachlorobutadiene	8.333	225	307118	50.679	ng		99
35) Caprolactam	8.628	113	154579	55.251	ng		97
36) 4-Chloro-3-methylphenol	8.733	107	505527	52.891	ng		100
37) 2-Methylnaphthalene	8.904	142	1057924	49.915	ng		100
38) 1-Methylnaphthalene	9.004	142	1107217	50.427	ng		98
40) 1,2,4,5-Tetrachloroben...	9.069	216	509426	50.261	ng		99
41) Hexachlorocyclopentadiene	9.063	237	331287	57.591	ng		99
43) 2,4,6-Trichlorophenol	9.180	196	337910	53.801	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142244.D
Acq On : 30 Apr 2025 13:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	370489	56.106	ng	98
46) 1,1'-Biphenyl	9.369	154	1392513	49.736	ng	100
47) 2-Chloronaphthalene	9.398	162	1041842	50.015	ng	100
48) 2-Nitroaniline	9.486	65	284370	51.394	ng	100
49) Acenaphthylene	9.810	152	1769441	50.339	ng	100
50) Dimethylphthalate	9.669	163	1178638	51.156	ng	99
51) 2,6-Dinitrotoluene	9.727	165	232906	52.309	ng	99
52) Acenaphthene	9.986	154	1024409	49.912	ng	100
53) 3-Nitroaniline	9.898	138	279608	51.745	ng	97
54) 2,4-Dinitrophenol	9.998	184	62086	50.725	ng	98
55) Dibenzofuran	10.157	168	1542097	50.123	ng	100
56) 4-Nitrophenol	10.039	139	210153	58.029	ng	99
57) 2,4-Dinitrotoluene	10.127	165	280193	51.918	ng	98
58) Fluorene	10.498	166	1146269	49.000	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	300782	54.989	ng	99
60) Diethylphthalate	10.369	149	1170793	51.459	ng	99
61) 4-Chlorophenyl-phenyle...	10.492	204	553271	49.802	ng	98
62) 4-Nitroaniline	10.510	138	258117	52.547	ng	100
63) Azobenzene	10.651	77	1150899	51.226	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	98114	49.012	ng	95
66) n-Nitrosodiphenylamine	10.610	169	1041277	50.442	ng	100
67) 4-Bromophenyl-phenylether	10.980	248	340298	50.576	ng	97
68) Hexachlorobenzene	11.045	284	384807	51.064	ng	99
69) Atrazine	11.133	200	287405	52.819	ng	100
70) Pentachlorophenol	11.233	266	219414	55.114	ng	98
71) Phenanthrene	11.463	178	1607091	49.244	ng	99
72) Anthracene	11.510	178	1659788	49.744	ng	100
73) Carbazole	11.663	167	1504715	49.436	ng	100
74) Di-n-butylphthalate	11.998	149	1578769	51.573	ng	100
75) Fluoranthene	12.651	202	1563998	48.481	ng	99
77) Benzidine	12.768	184	762858	55.590	ng	99
78) Pyrene	12.880	202	1563568	52.484	ng	100
80) Butylbenzylphthalate	13.498	149	423529	51.685	ng	100
81) Benzo(a)anthracene	14.068	228	1120699	51.691	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	363124	57.021	ng	98
83) Chrysene	14.104	228	990991	50.214	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	585800	51.638	ng	100
85) Di-n-octyl phthalate	14.680	149	1065626	51.078	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1313336	53.091	ng	99
88) Benzo(b)fluoranthene	15.127	252	1073096	51.153	ng	100
89) Benzo(k)fluoranthene	15.162	252	967248	50.408	ng	98
90) Benzo(a)pyrene	15.504	252	996599	51.890	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	1073246	53.457	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1069402	52.984	ng	98

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

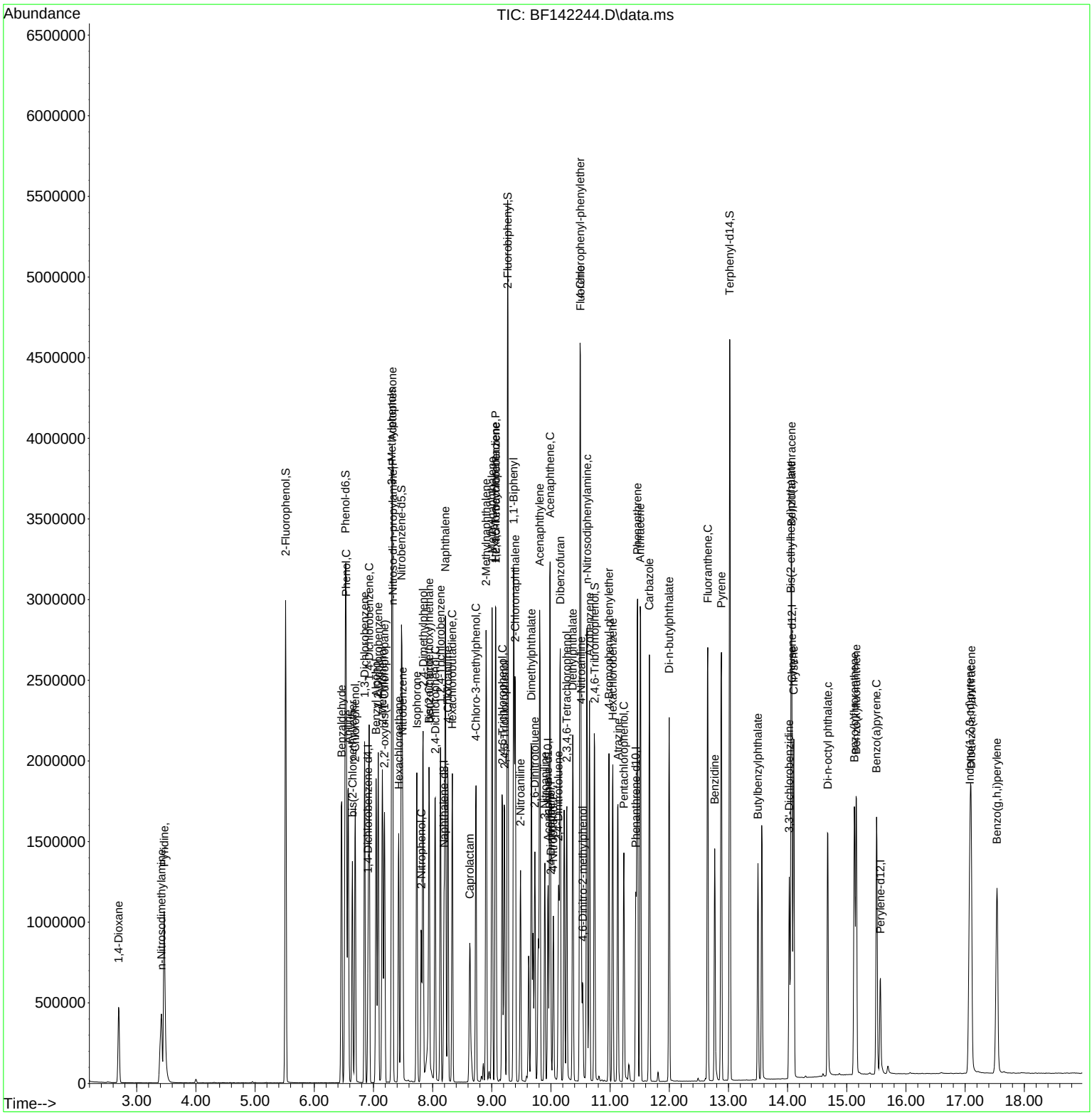
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142244.D
Acq On : 30 Apr 2025 13:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

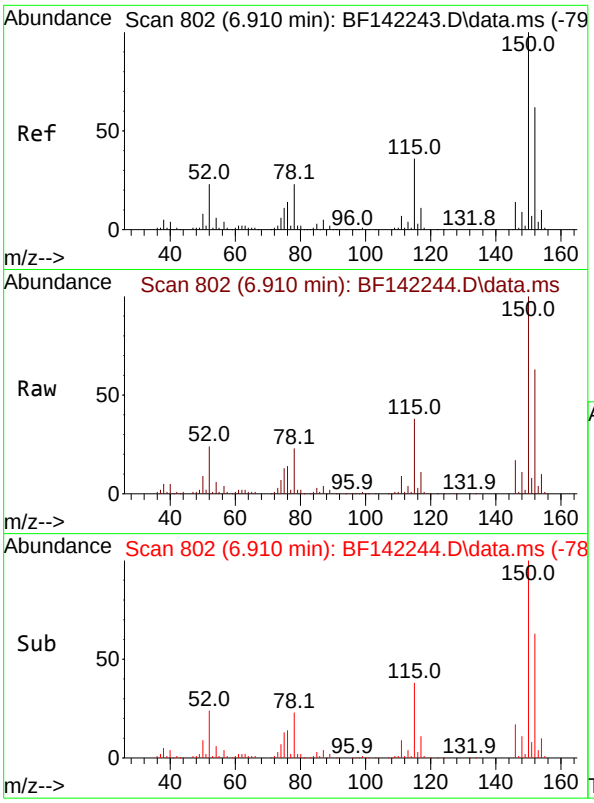
Quant Time: Apr 30 15:43:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

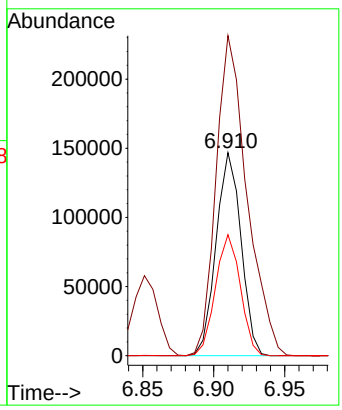




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:152 Resp: 17907

Ion	Ratio	Lower	Upper
152	100		
150	157.6	130.2	195.2
115	59.6	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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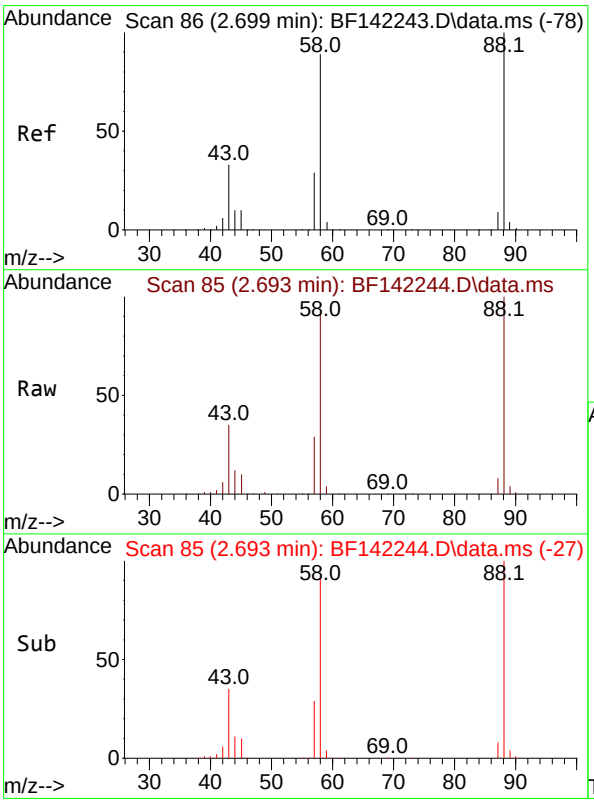
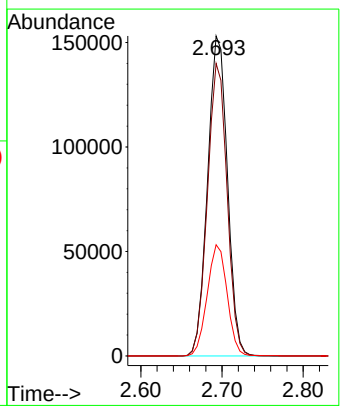
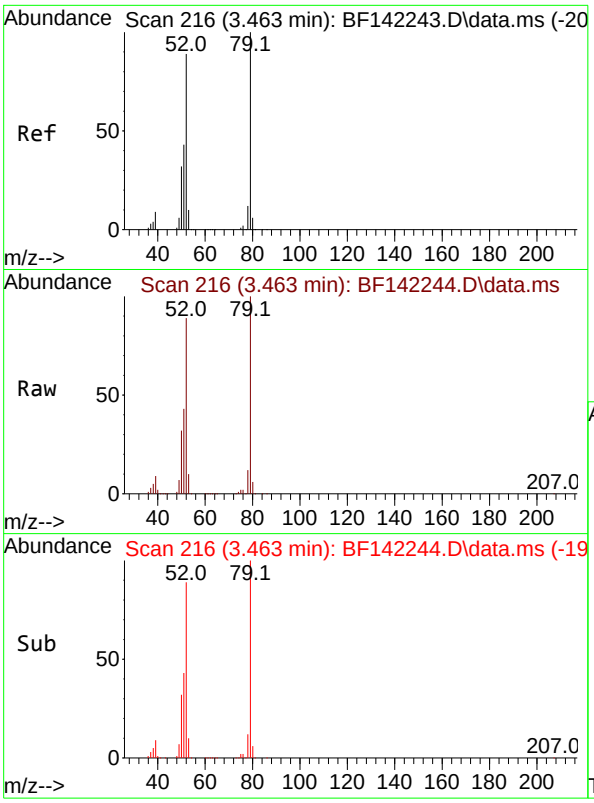


#2
1,4-Dioxane
Concen: 51.894 ng
RT: 2.693 min Scan# 85
Delta R.T. -0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 88 Resp: 259869

Ion	Ratio	Lower	Upper
88	100		
58	90.5	72.2	108.2
43	35.0	27.0	40.6





#3
Pyridine
Concen: 51.688 ng
RT: 3.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

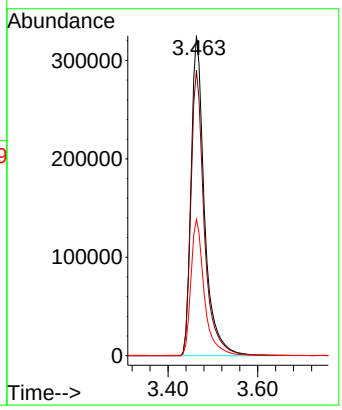
Tgt Ion: 79 Resp: 67271

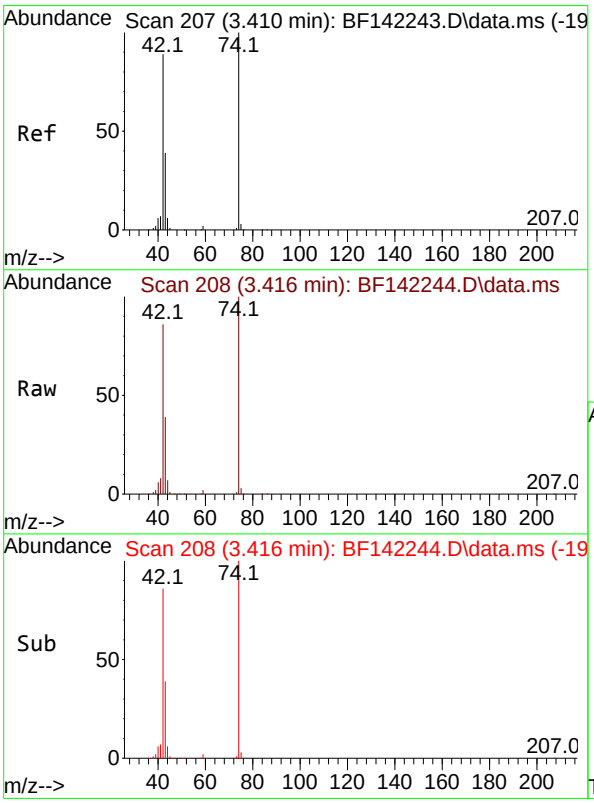
Ion	Ratio	Lower	Upper
79	100		
52	89.2	71.5	107.3
51	42.6	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

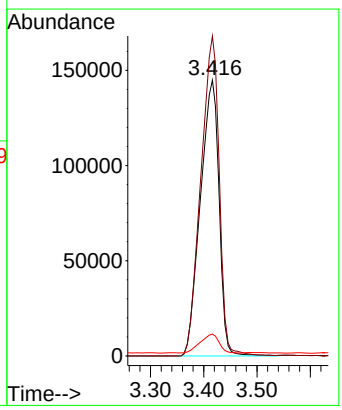


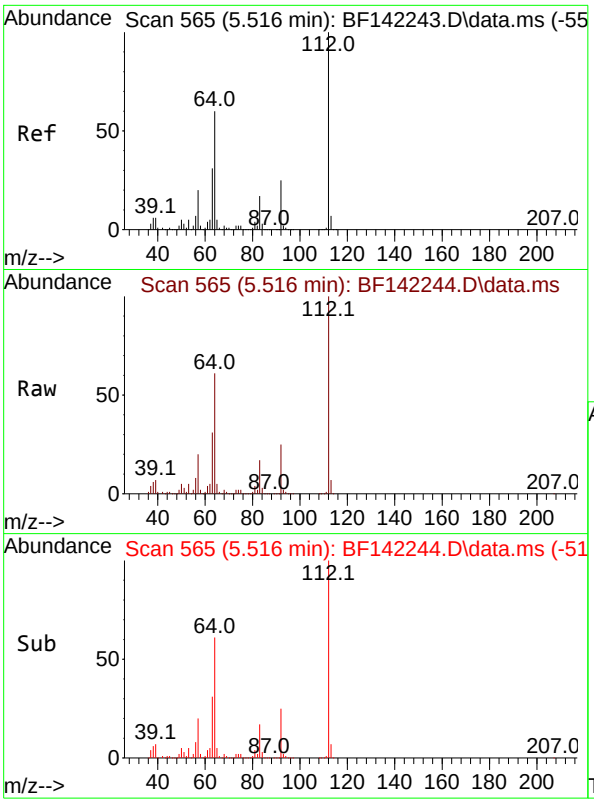


#4
n-Nitrosodimethylamine
Concen: 52.416 ng
RT: 3.416 min Scan# 208
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 42 Resp: 353028

Ion	Ratio	Lower	Upper
42	100		
74	116.0	89.5	134.3
44	7.9	6.6	9.8





#5
2-Fluorophenol
Concen: 102.577 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:112 Resp: 115016

Ion	Ratio	Lower	Upper
112	100		
64	60.8	48.4	72.6
63	31.3	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
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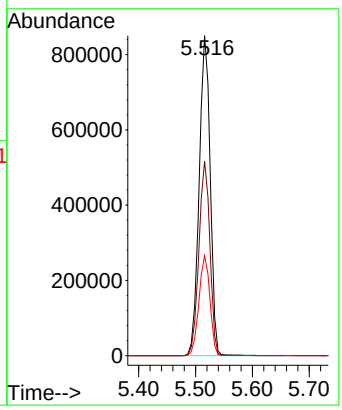
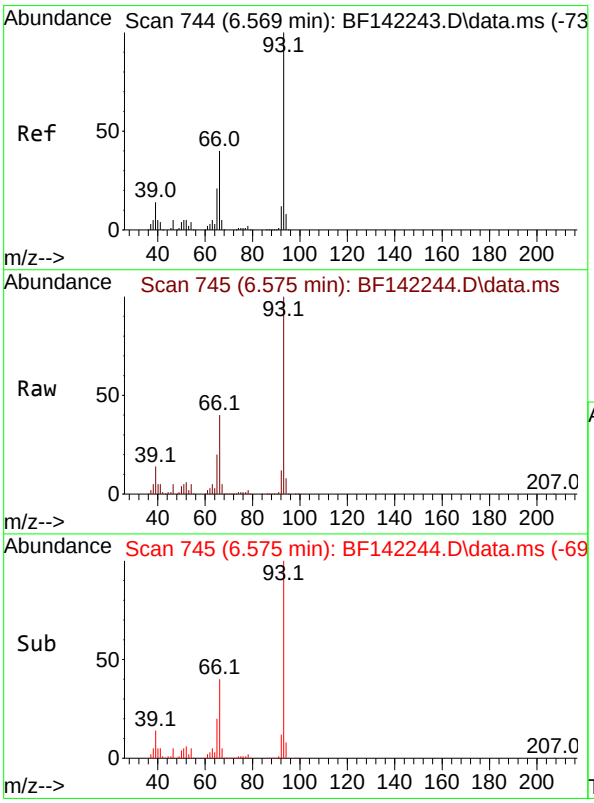
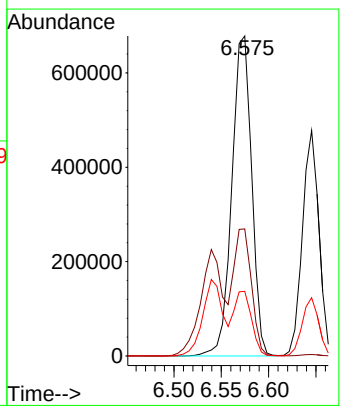


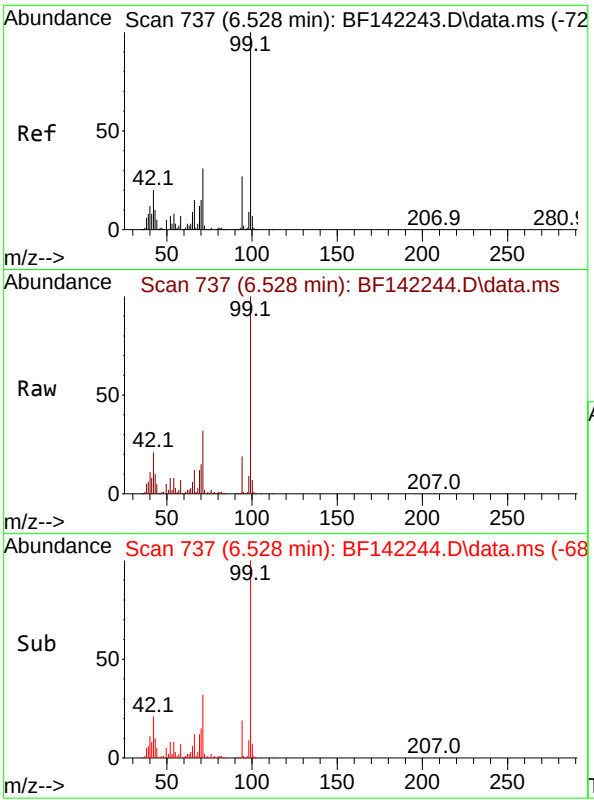


#6
Aniline
Concen: 51.454 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 93 Resp: 986118

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.1	48.1
65	20.2	16.6	24.8

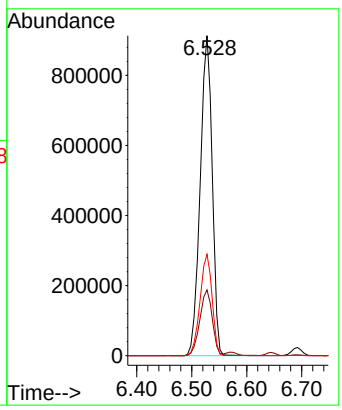




#7
Phenol-d6
Concen: 102.468 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 99 Resp: 138741

Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.3	24.5
71	31.7	25.0	37.4



Instrument :
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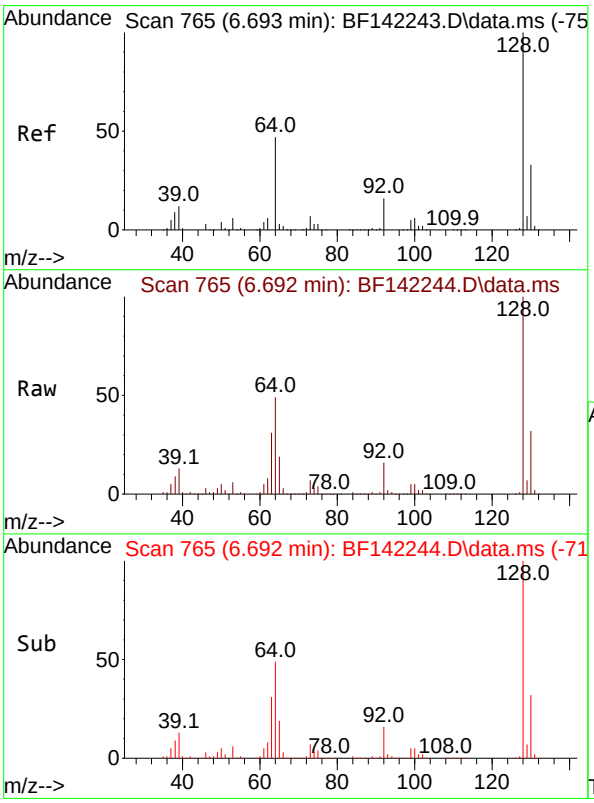
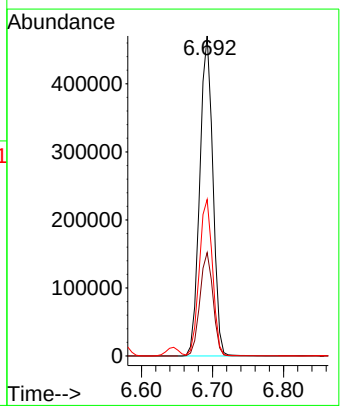
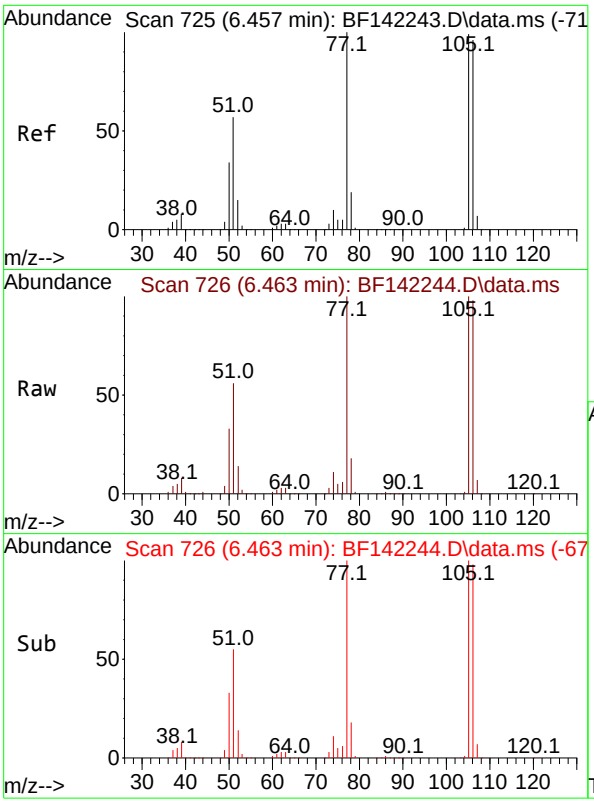


#8
2-Chlorophenol
Concen: 52.325 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:128 Resp: 606252

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.1	53.1
64	48.9	28.6	68.6

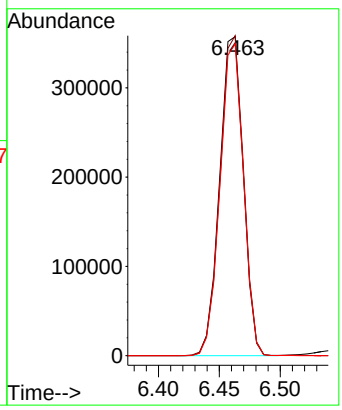




#9
Benzaldehyde
Concen: 50.998 ng
RT: 6.463 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 77 Resp: 48261

Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.1	119.1
106	97.8	76.0	116.0



Instrument :
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ClientSampleId :
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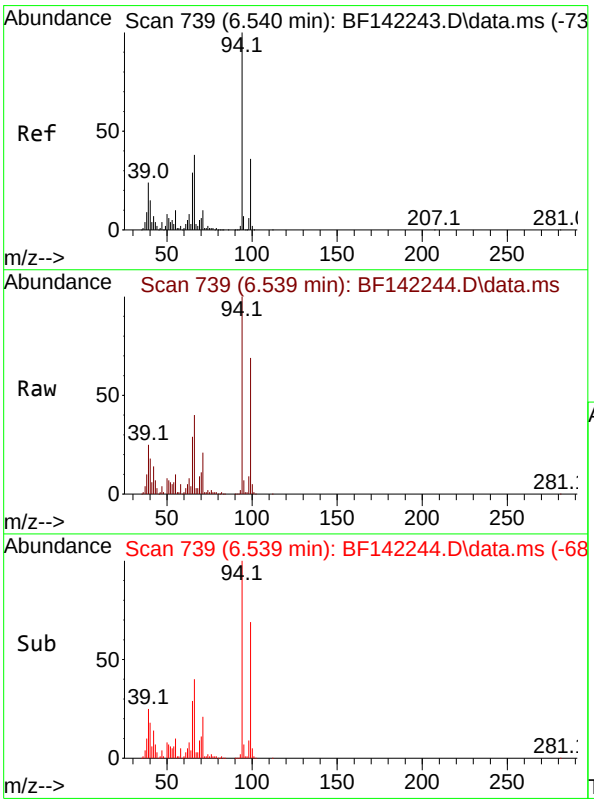
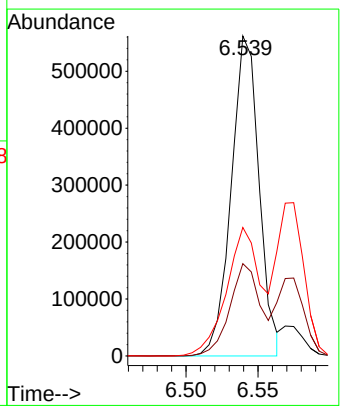
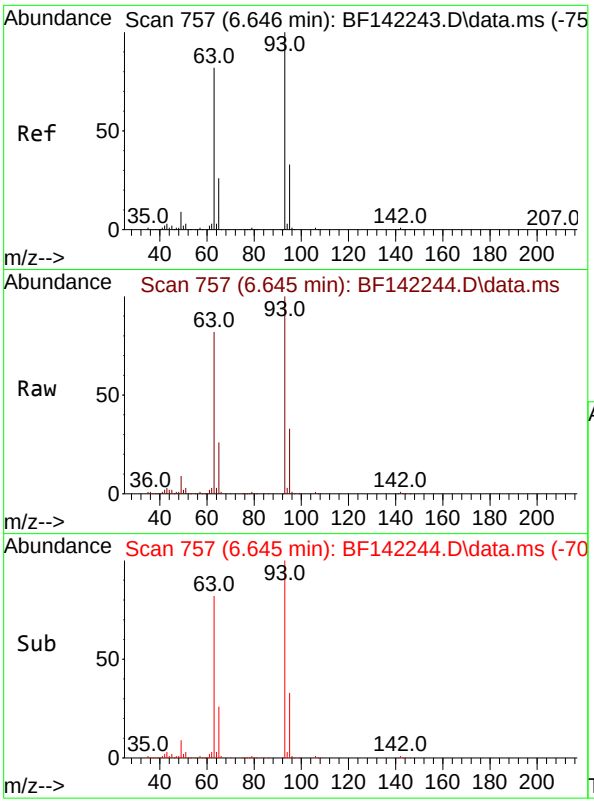


#10
Phenol
Concen: 51.820 ng m
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 94 Resp: 755326

Ion	Ratio	Lower	Upper
94	100		
65	28.8	8.9	48.9
66	40.2	18.7	58.7

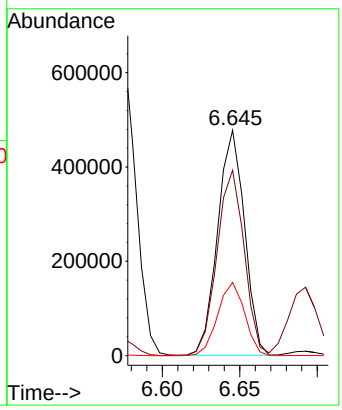




#11
bis(2-Chloroethyl)ether
Concen: 50.934 ng
RT: 6.645 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 93 Resp: 57534

Ion	Ratio	Lower	Upper
93	100		
63	82.3	62.2	102.2
95	32.5	12.7	52.7



Instrument :
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ClientSampleId :
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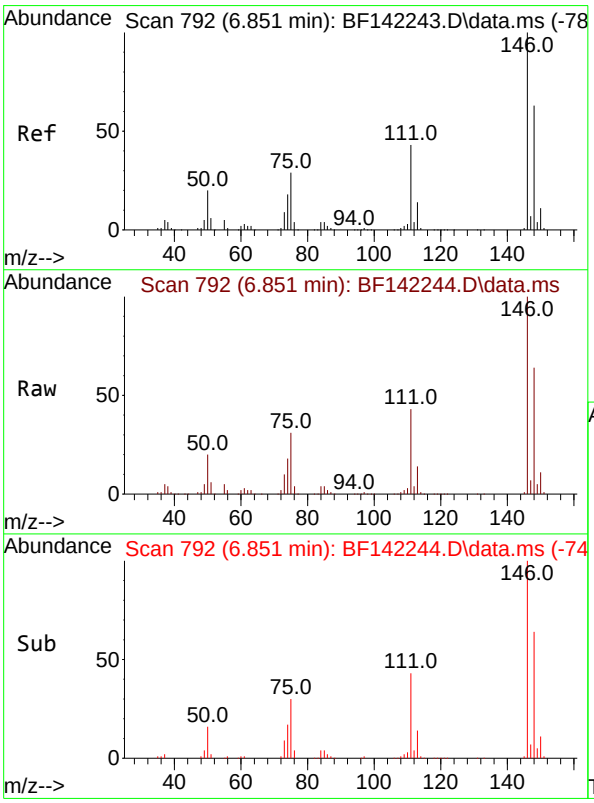
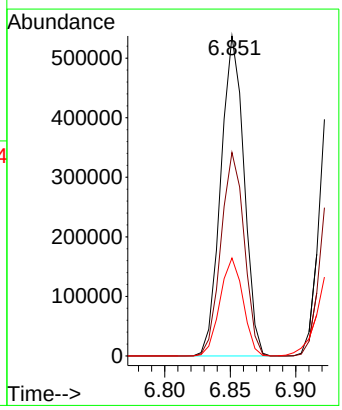
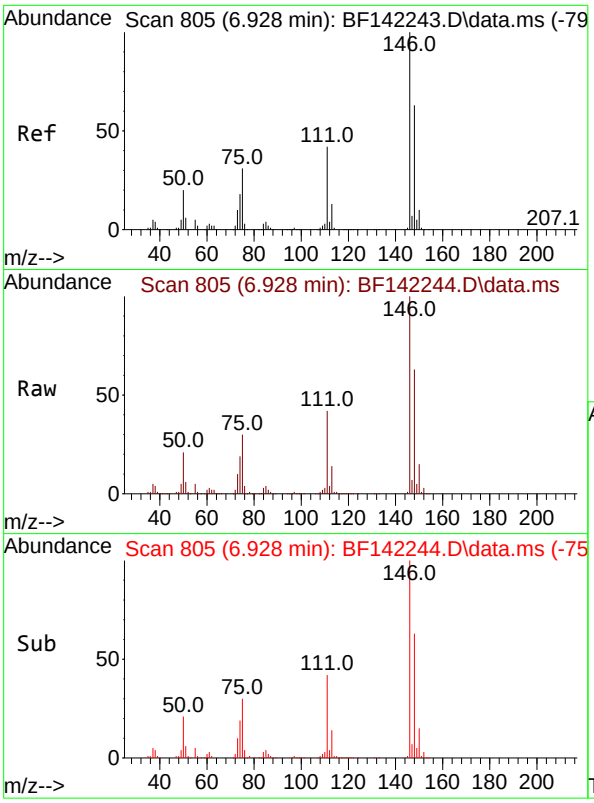


#12
1,3-Dichlorobenzene
Concen: 50.476 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:146 Resp: 661612

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	30.6	23.2	34.8

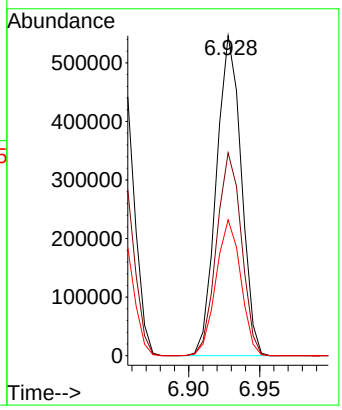




#13
1,4-Dichlorobenzene
Concen: 50.439 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:146 Resp: 66608

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
111	42.4	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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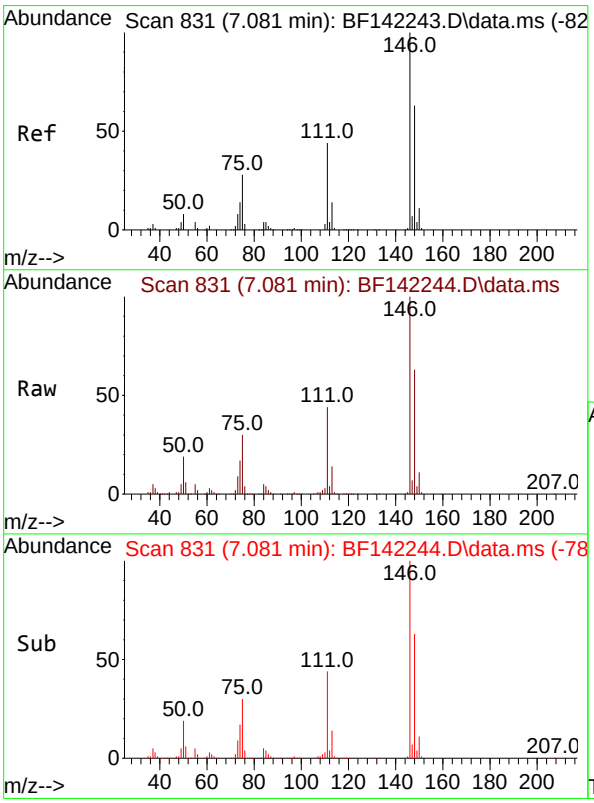
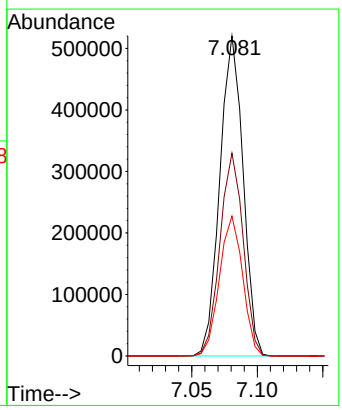
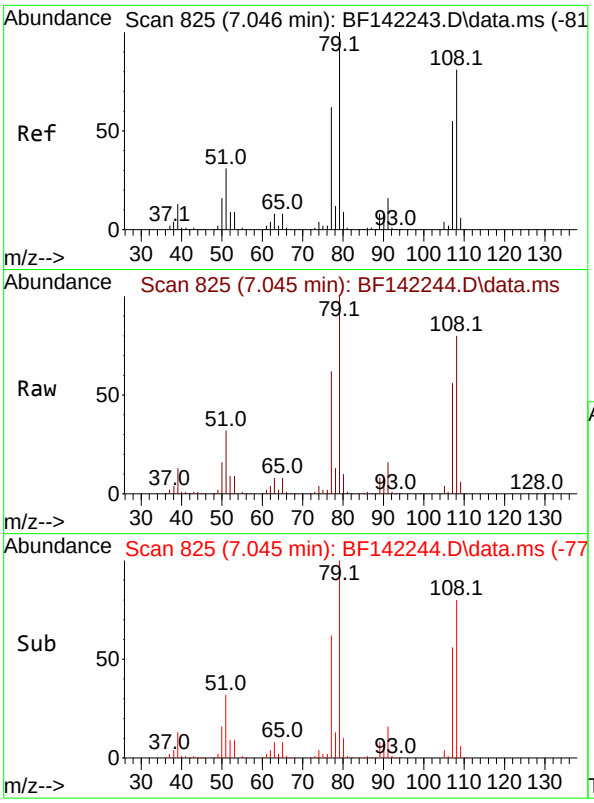


#14
1,2-Dichlorobenzene
Concen: 50.843 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:146 Resp: 640983

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.5	75.7
111	43.7	34.9	52.3





#15
Benzyl Alcohol
Concen: 52.514 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 79 Resp: 50429

Ion	Ratio	Lower	Upper
79	100		
108	80.2	64.5	96.7
77	62.5	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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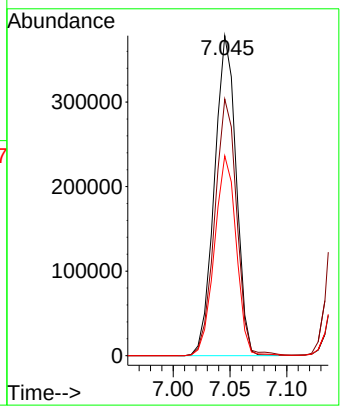
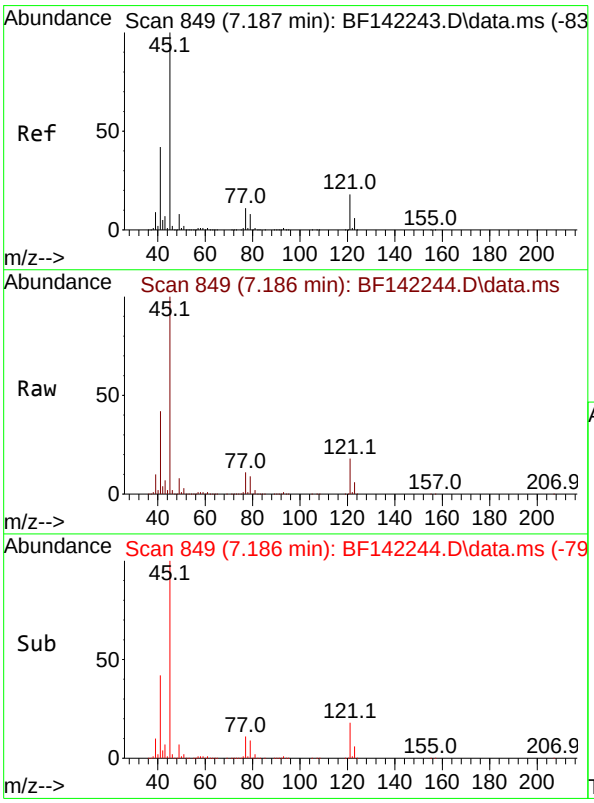
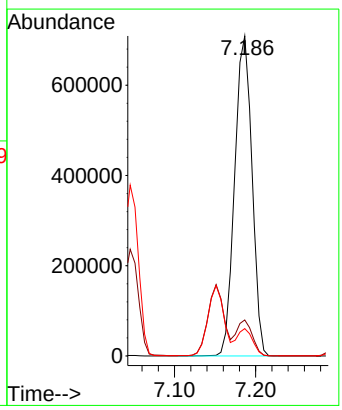


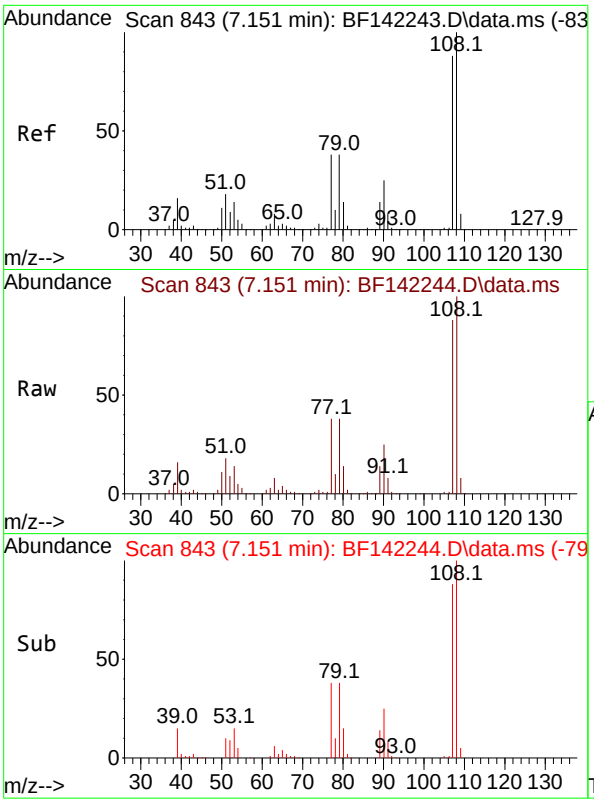


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.444 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 45 Resp: 1049319

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.3
79	8.6	0.0	28.5

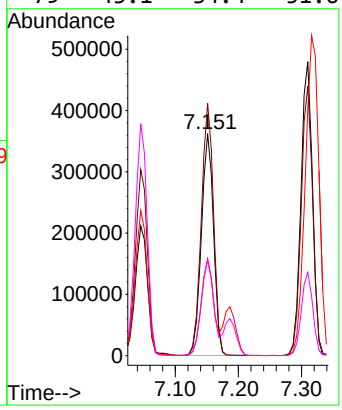




#17
2-Methylphenol
Concen: 51.113 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:107 Resp: 48514

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.6	34.4	51.6
79	43.1	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
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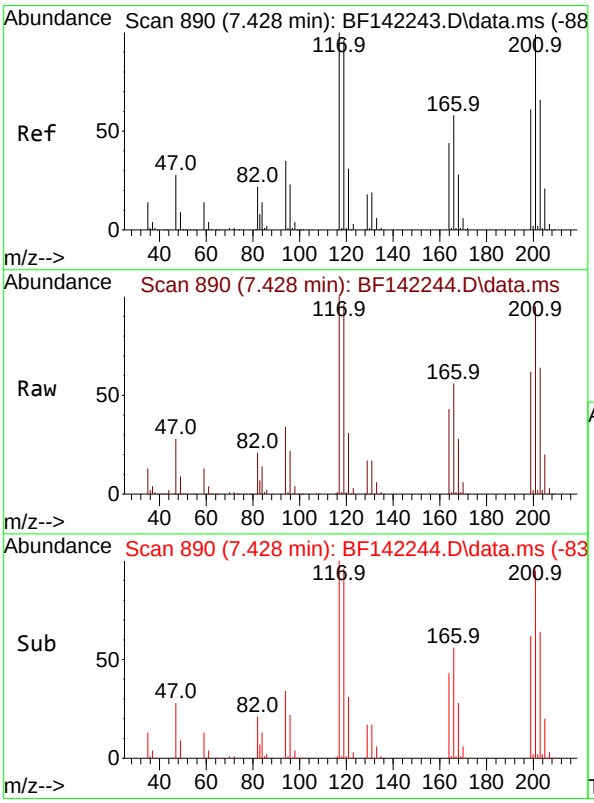
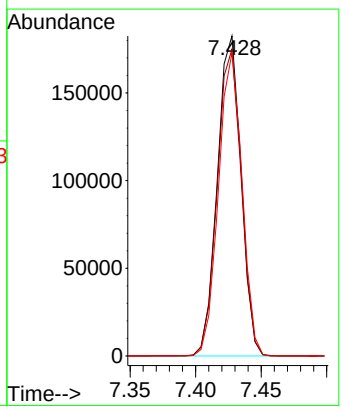
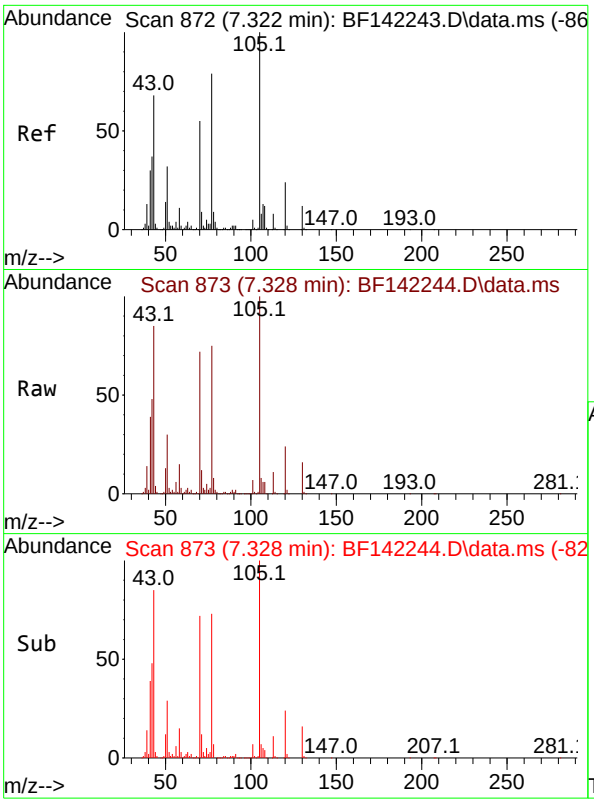


#18
Hexachloroethane
Concen: 53.193 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:117 Resp: 229911

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
201	94.8	79.4	119.2

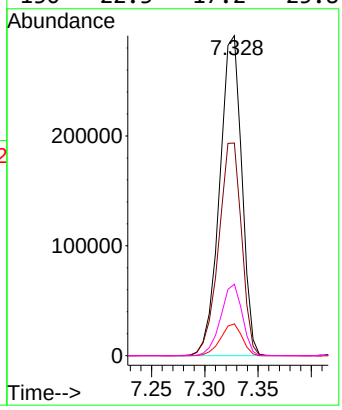




#19
n-Nitroso-di-n-propylamine
Concen: 50.261 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 70 Resp: 42053

Ion	Ratio	Lower	Upper
70	100		
42	66.4	53.4	80.2
101	9.9	7.7	11.5
130	22.3	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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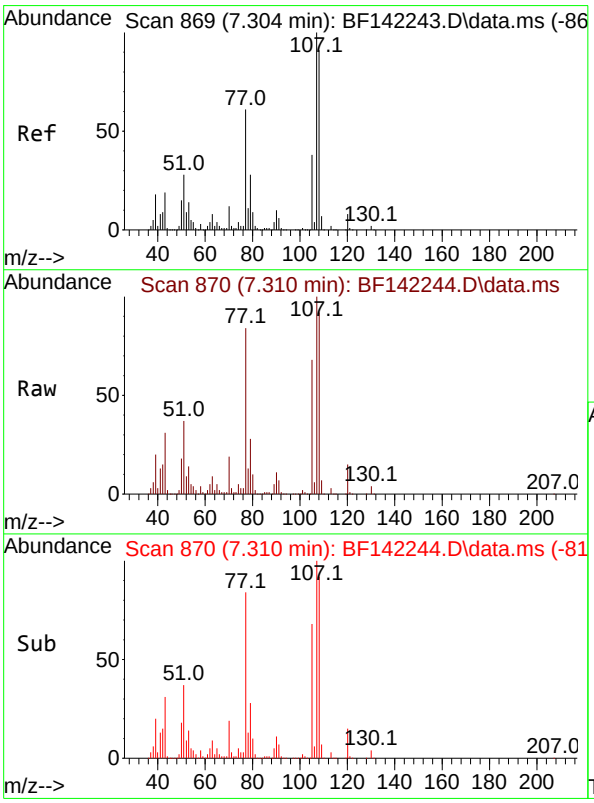
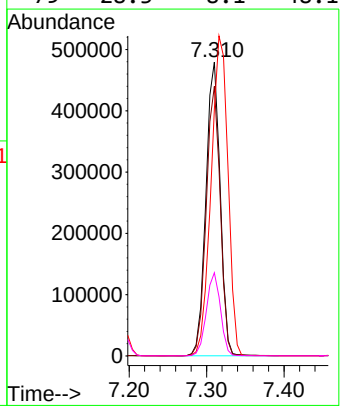
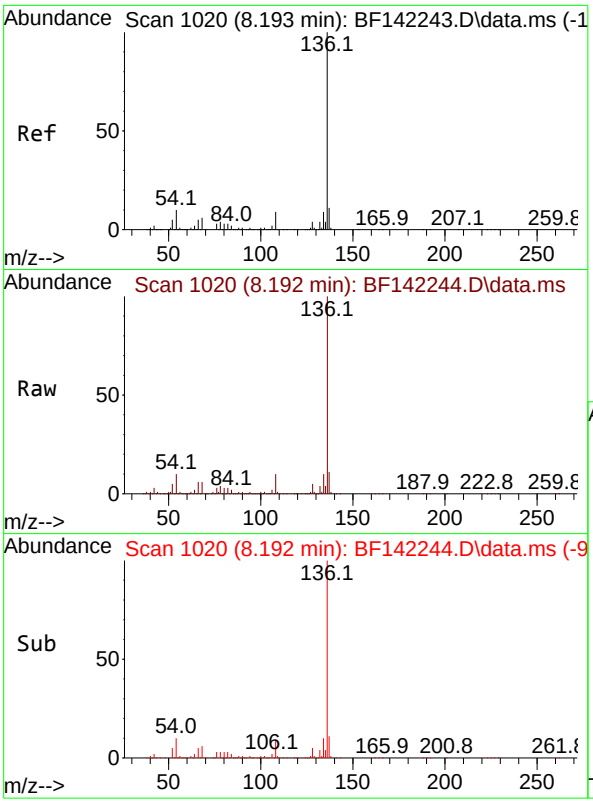


#20
3+4-Methylphenols
Concen: 51.510 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:107 Resp: 611404

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.2	111.2
77	84.0	41.1	81.1#
79	28.3	8.1	48.1

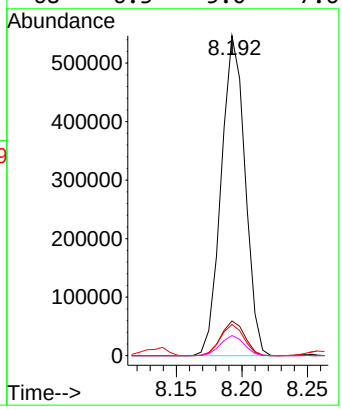




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:136 Resp: 69123(

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



Instrument :
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ClientSampleId :
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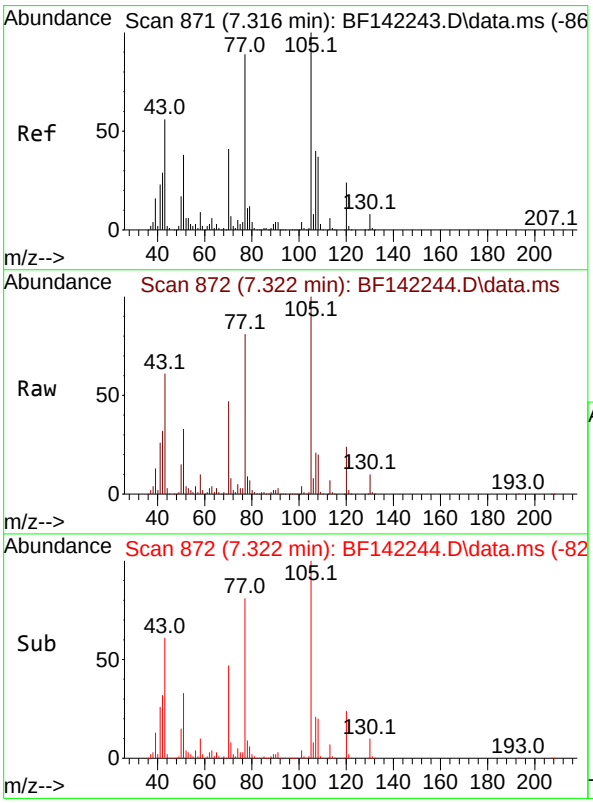
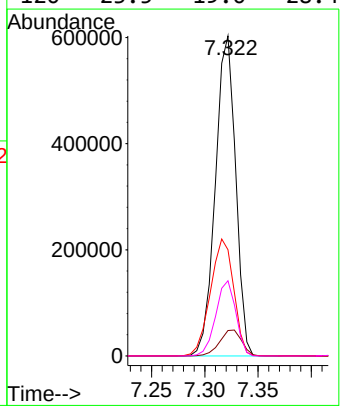
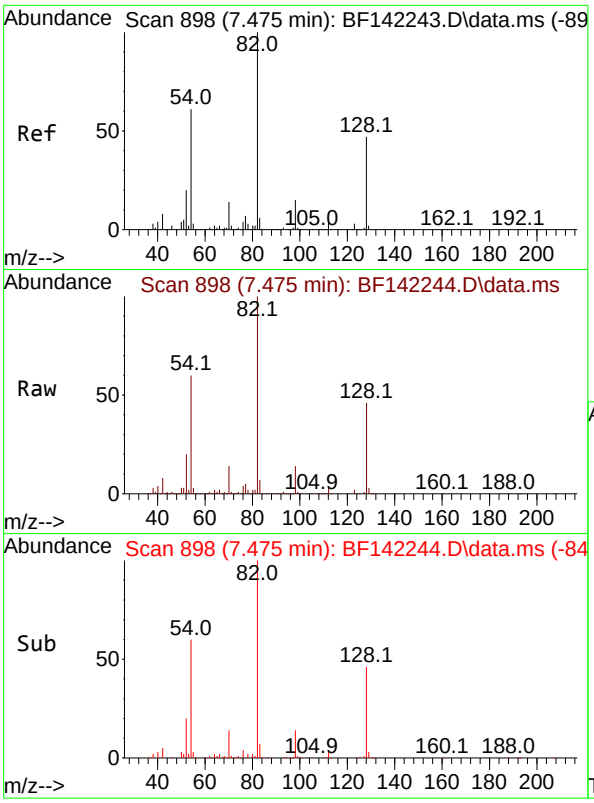


#22
Acetophenone
Concen: 49.805 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:105 Resp: 796460

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.7	8.5
51	33.2	30.1	45.1
120	23.5	19.0	28.4

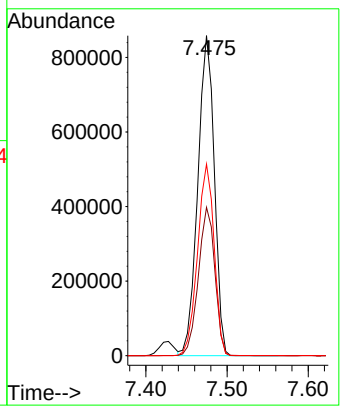




#23
Nitrobenzene-d5
Concen: 115.369 ng
RT: 7.475 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 82 Resp: 121385

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	59.8	48.0	72.0



Instrument :
BNA_F
ClientSampleId :
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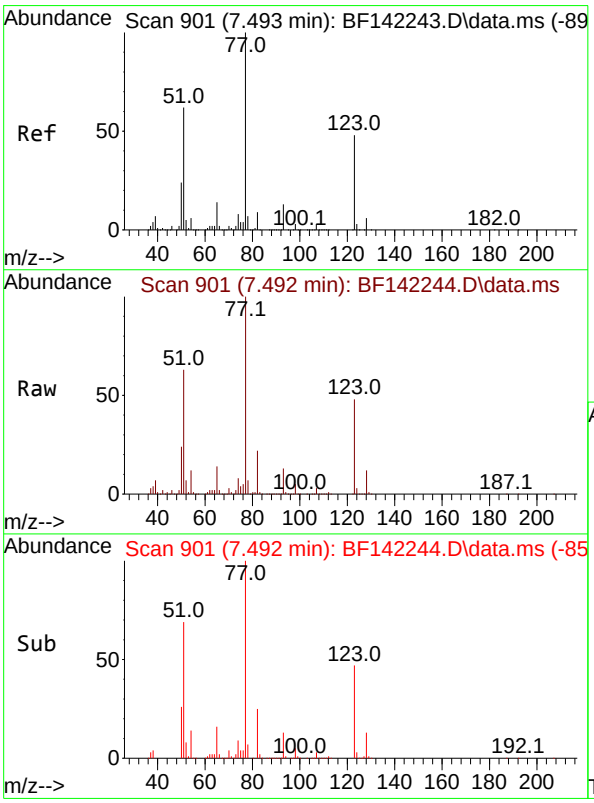
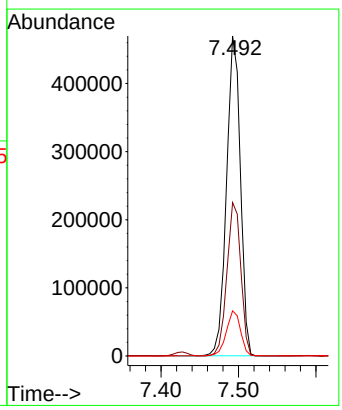
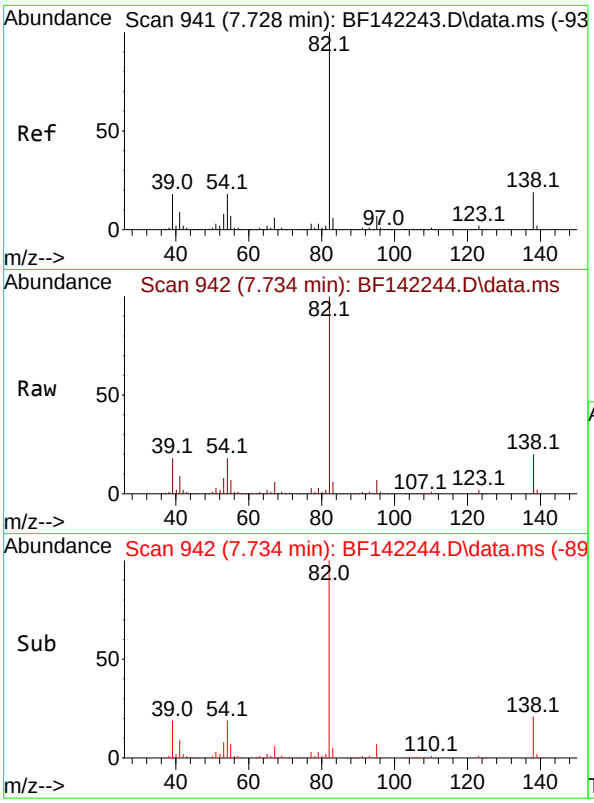


#24
Nitrobenzene
Concen: 56.634 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 77 Resp: 584670

Ion	Ratio	Lower	Upper
77	100		
123	47.9	38.6	58.0
65	14.1	11.5	17.3

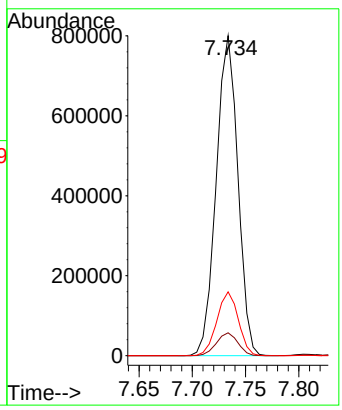




#25
Isophorone
Concen: 51.170 ng
RT: 7.734 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 82 Resp: 112993

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.9	15.3	22.9



Instrument :
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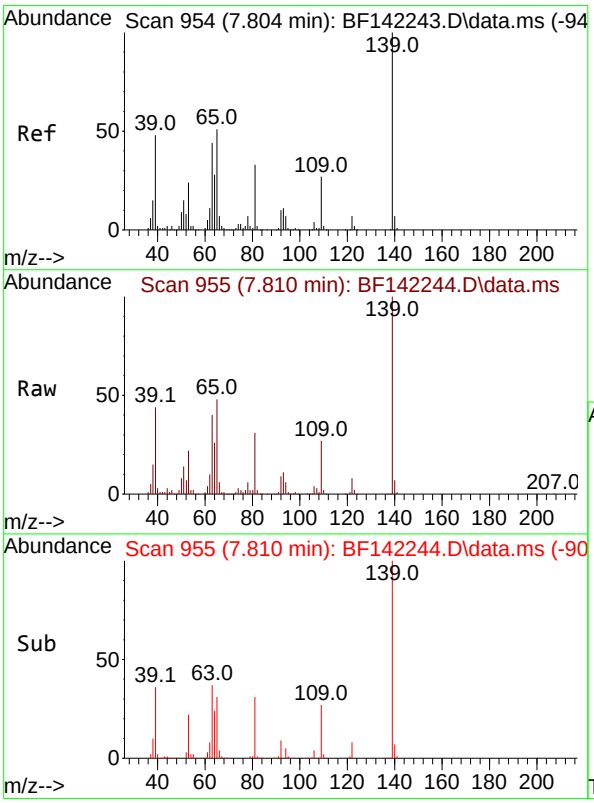
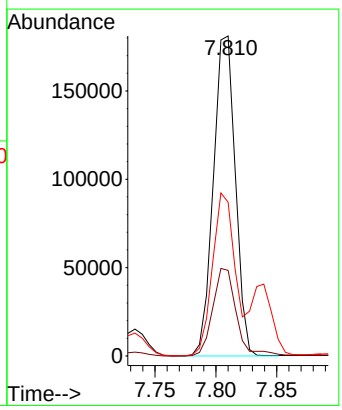
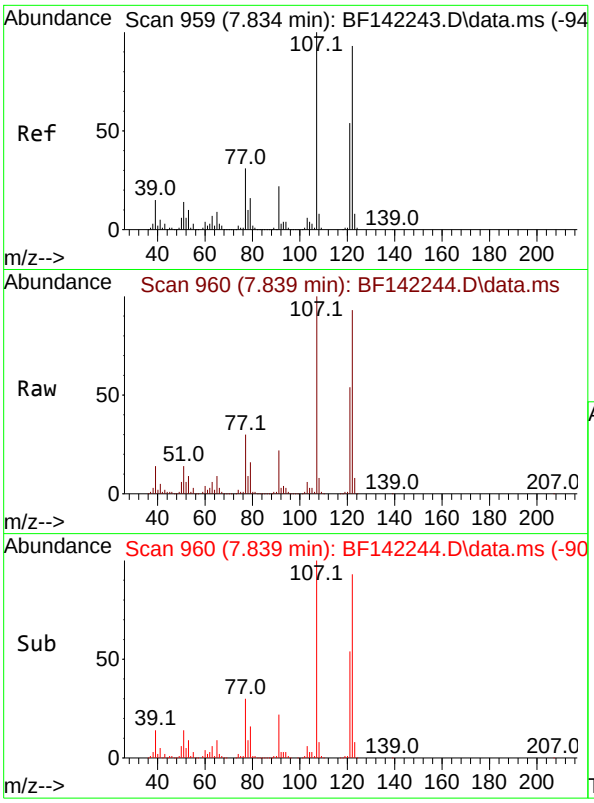


#26
2-Nitrophenol
Concen: 51.526 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:139 Resp: 228021

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.8	32.8
65	48.1	41.1	61.7

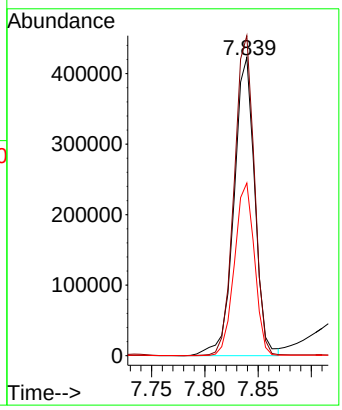




#27
2,4-Dimethylphenol
Concen: 51.741 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:122 Resp: 57605

Ion	Ratio	Lower	Upper
122	100		
107	107.3	86.0	129.0
121	57.9	46.3	69.5



Instrument :
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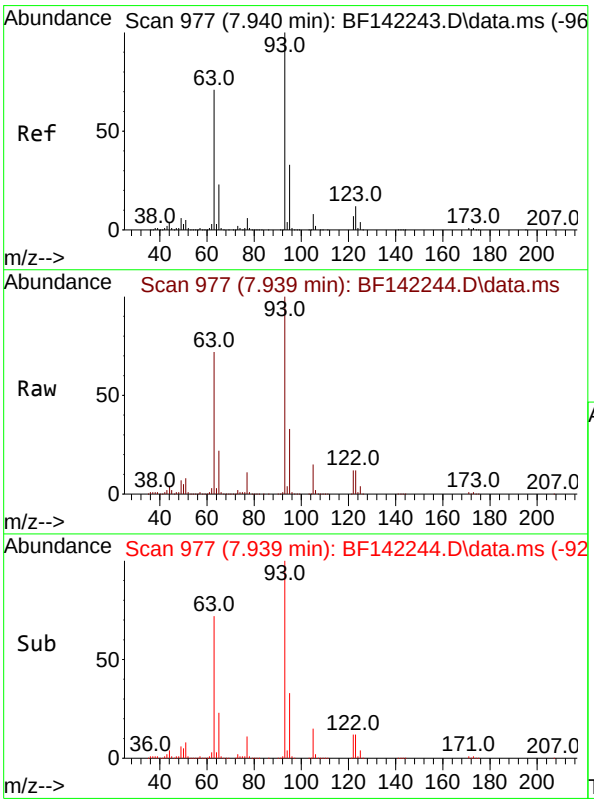
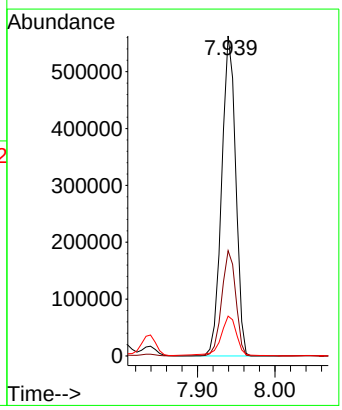
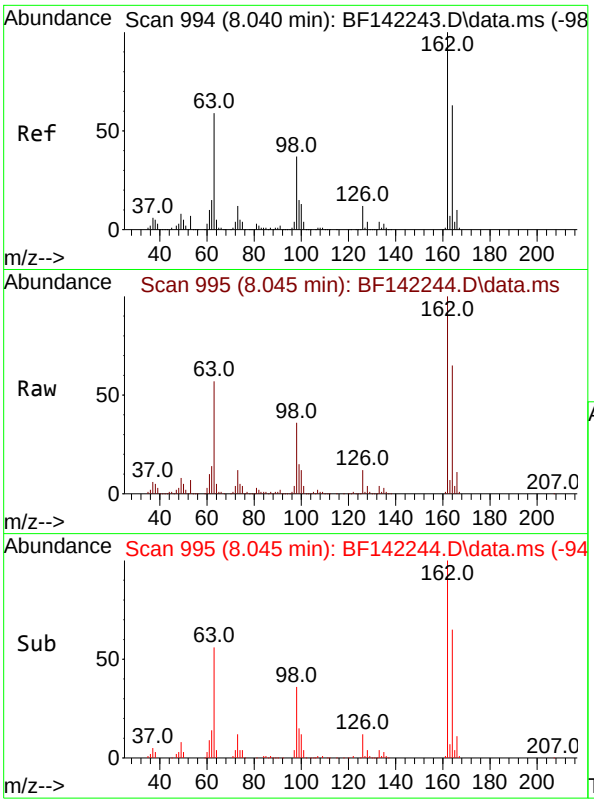


#28
bis(2-Chloroethoxy)methane
Concen: 50.870 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 93 Resp: 708439

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	12.4	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 53.125 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:162 Resp: 49448

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.0	83.0
98	36.5	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
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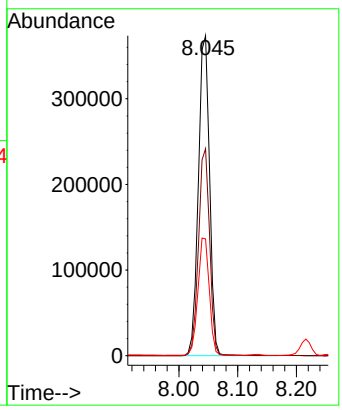
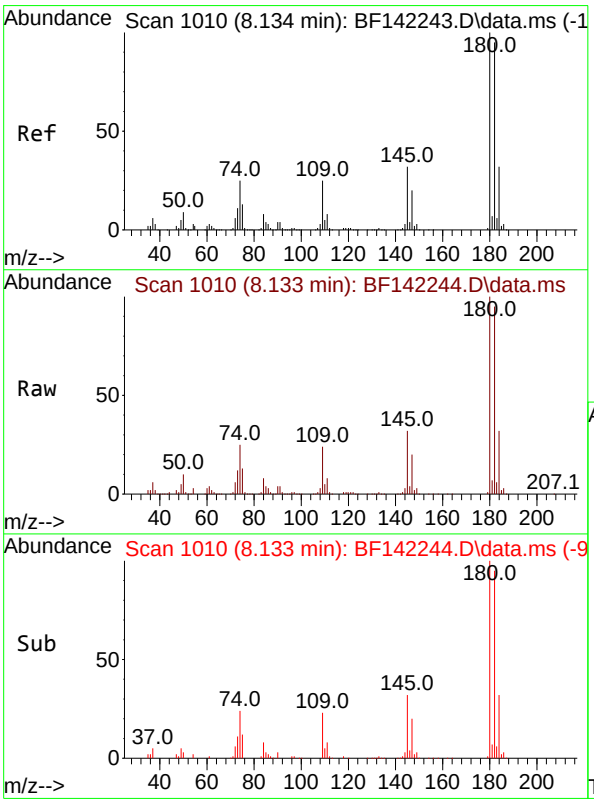
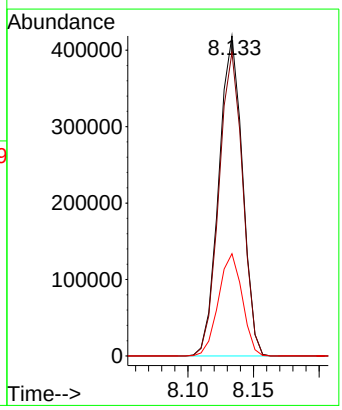


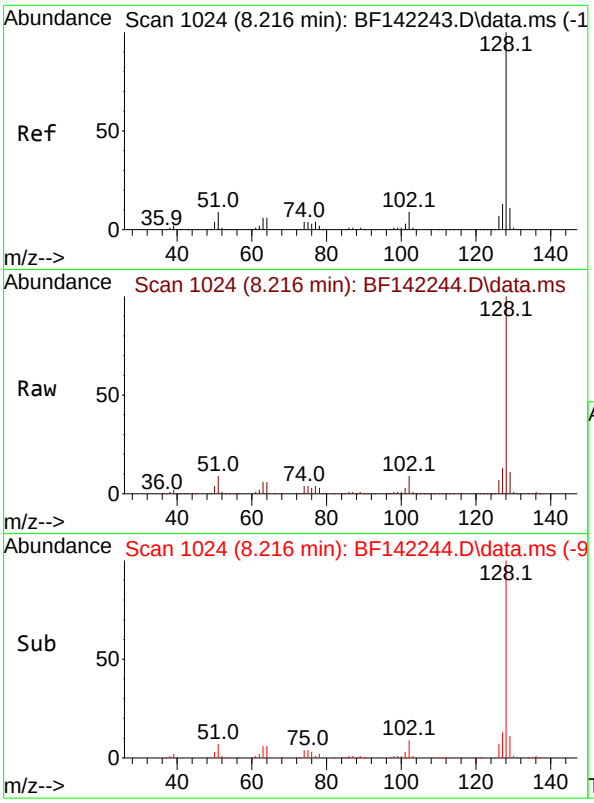


#30
1,2,4-Trichlorobenzene
Concen: 50.497 ng
RT: 8.133 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:180 Resp: 524508

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.7	113.5
145	32.0	25.4	38.0

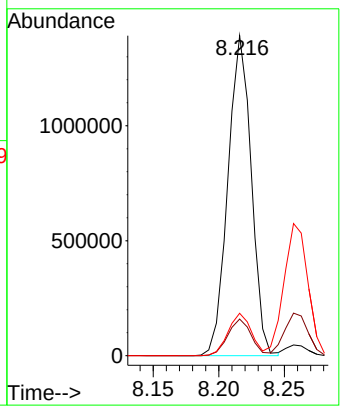




#31
Naphthalene
Concen: 50.064 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:128 Resp: 172581

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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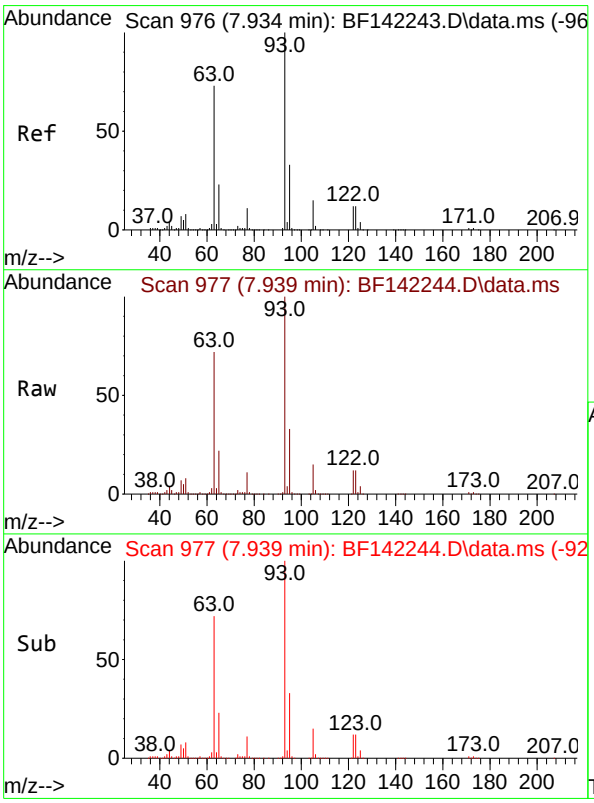
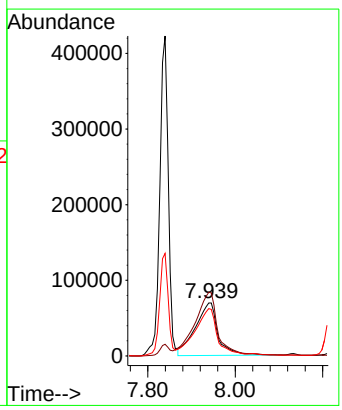
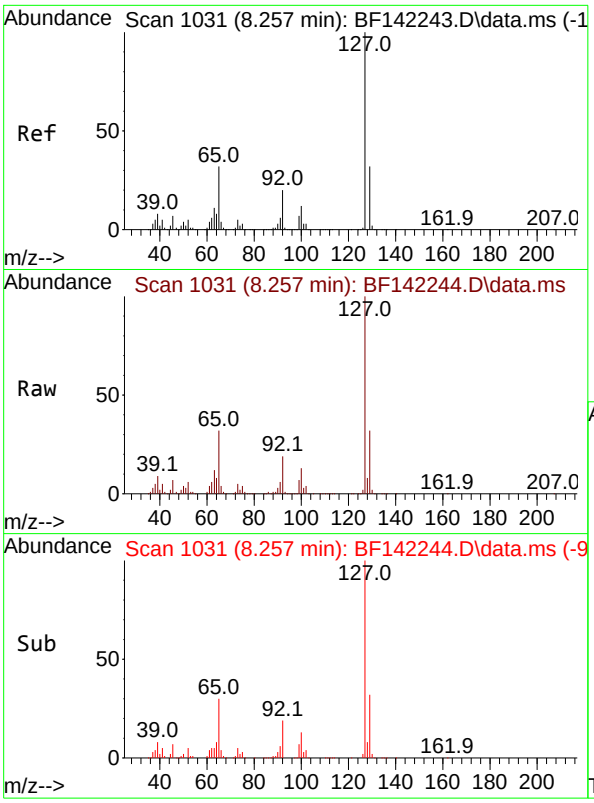


#32
Benzoic acid
Concen: 47.667 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.005 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:122 Resp: 252184

Ion	Ratio	Lower	Upper
122	100		
105	120.1	98.2	138.2
77	89.3	66.8	106.8

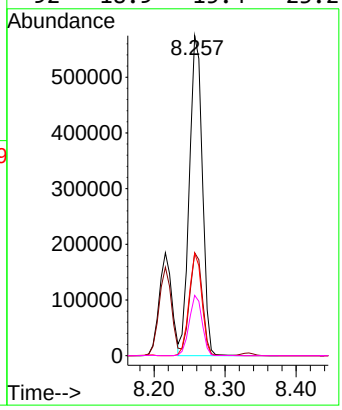




#33
4-Chloroaniline
Concen: 50.914 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:127 Resp: 73086

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	32.0	25.5	38.3
92	18.9	15.4	23.2



Instrument :
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ClientSampleId :
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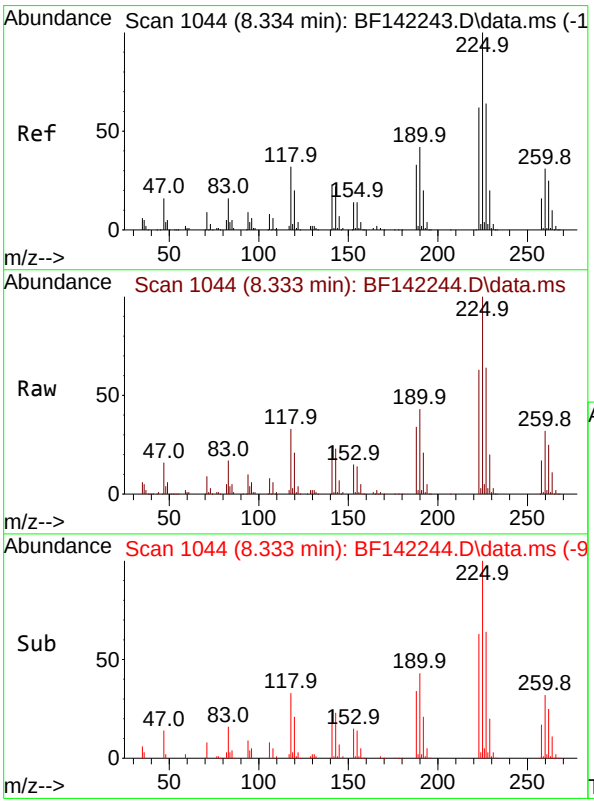
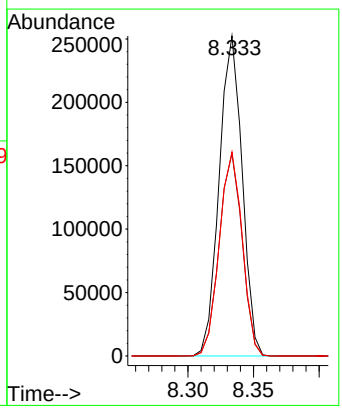
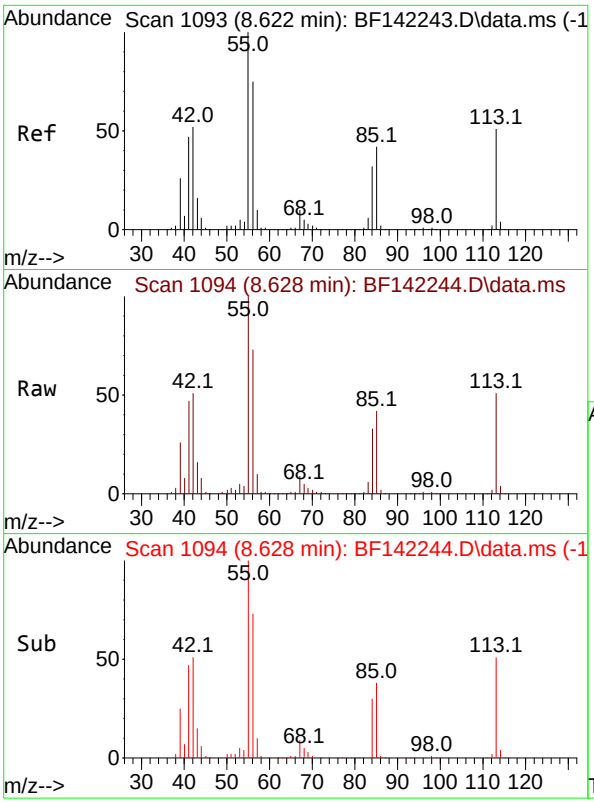


#34
Hexachlorobutadiene
Concen: 50.679 ng
RT: 8.333 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:225 Resp: 307118

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	63.8	51.0	76.4

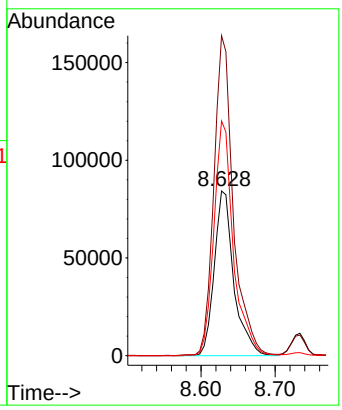




#35
Caprolactam
Concen: 55.251 ng
RT: 8.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:113 Resp: 154579

Ion	Ratio	Lower	Upper
113	100		
55	194.4	177.7	217.7
56	142.7	127.1	167.1



Instrument :
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ClientSampleId :
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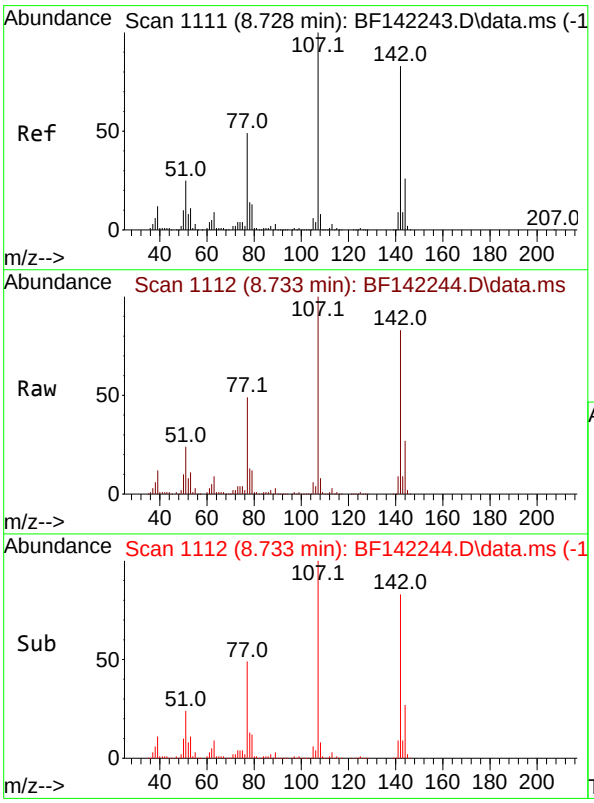
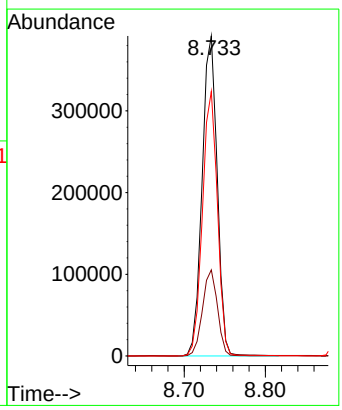
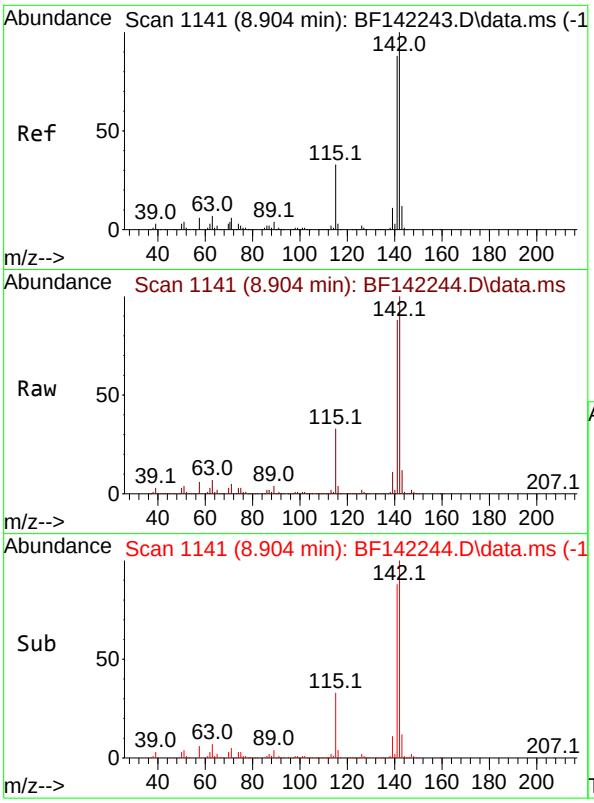


#36
4-Chloro-3-methylphenol
Concen: 52.891 ng
RT: 8.733 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:107 Resp: 505527

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.0	31.4
142	82.6	66.1	99.1

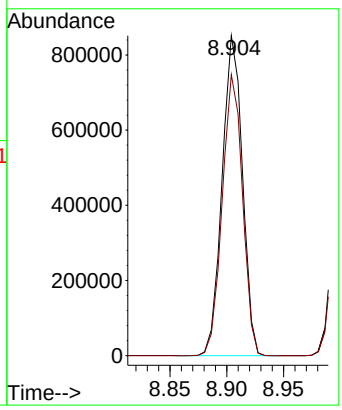




#37
2-Methylnaphthalene
Concen: 49.915 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:142 Resp: 105792

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.5	105.7



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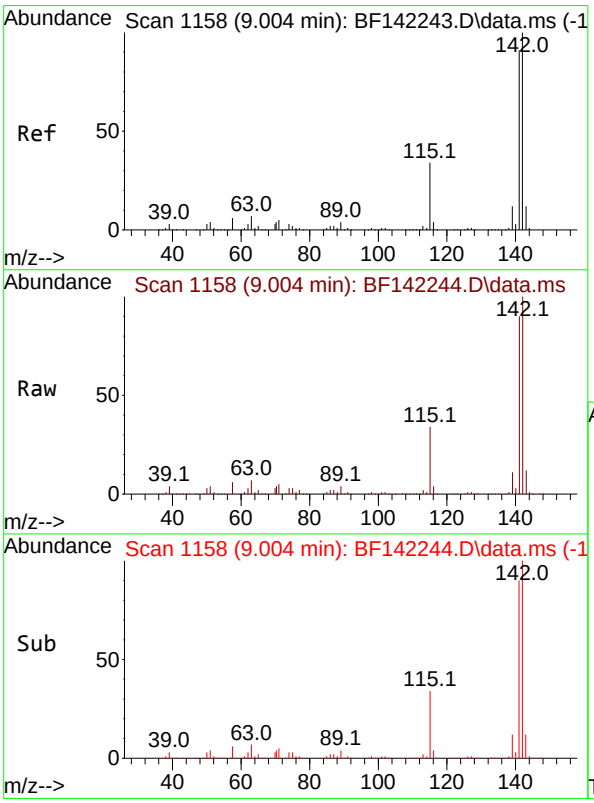
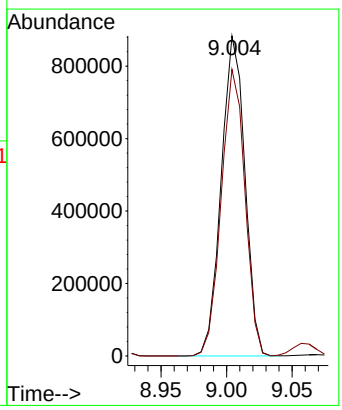
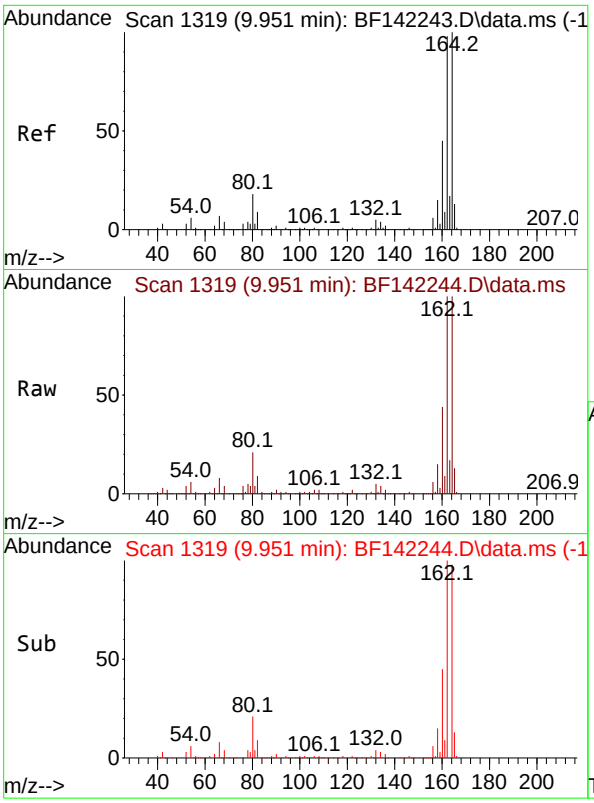


#38
1-Methylnaphthalene
Concen: 50.427 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:142 Resp: 1107217

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.8	109.2

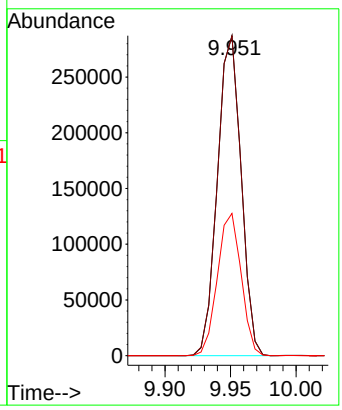




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:164 Resp: 36014

Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.6	117.8
160	44.5	35.7	53.5



Instrument :
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ClientSampleId :
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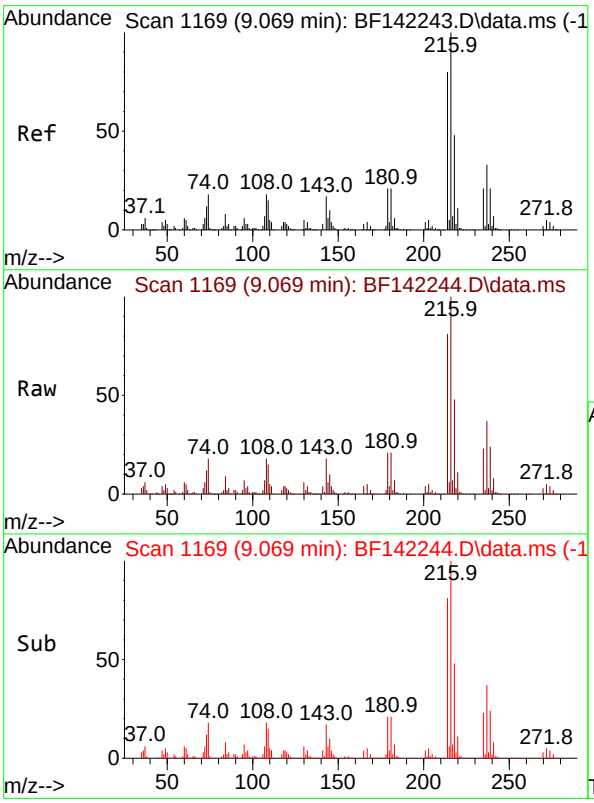
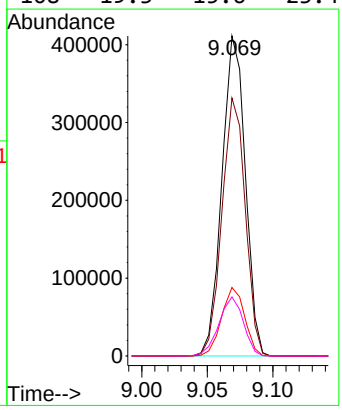
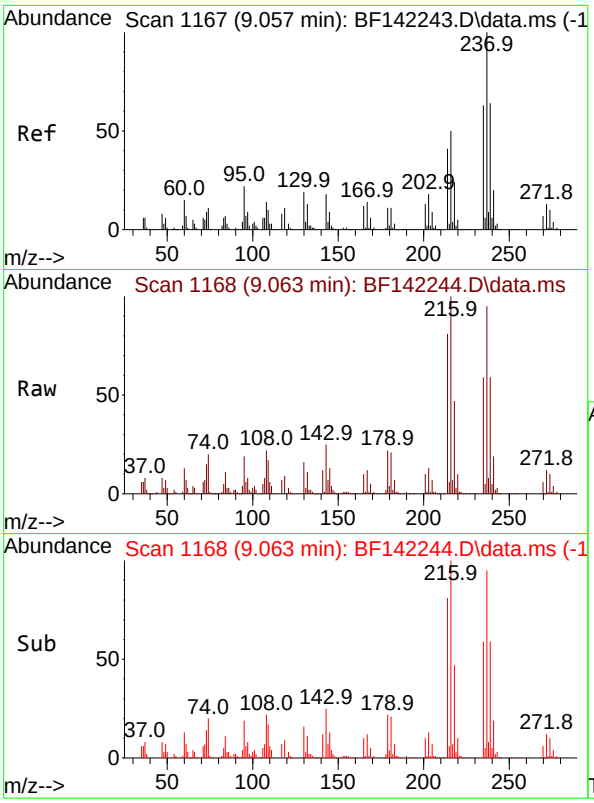


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.261 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:216 Resp: 509426

Ion	Ratio	Lower	Upper
216	100		
214	80.5	63.8	95.6
179	21.3	16.7	25.1
108	19.3	15.6	23.4

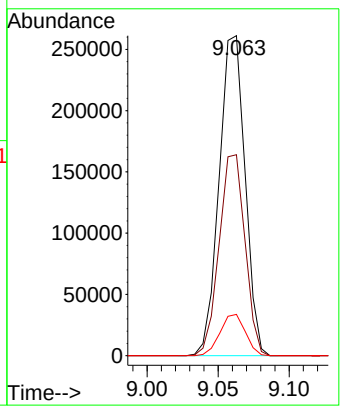




#41
Hexachlorocyclopentadiene
Concen: 57.591 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:237 Resp: 33128

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.5	83.5
272	12.9	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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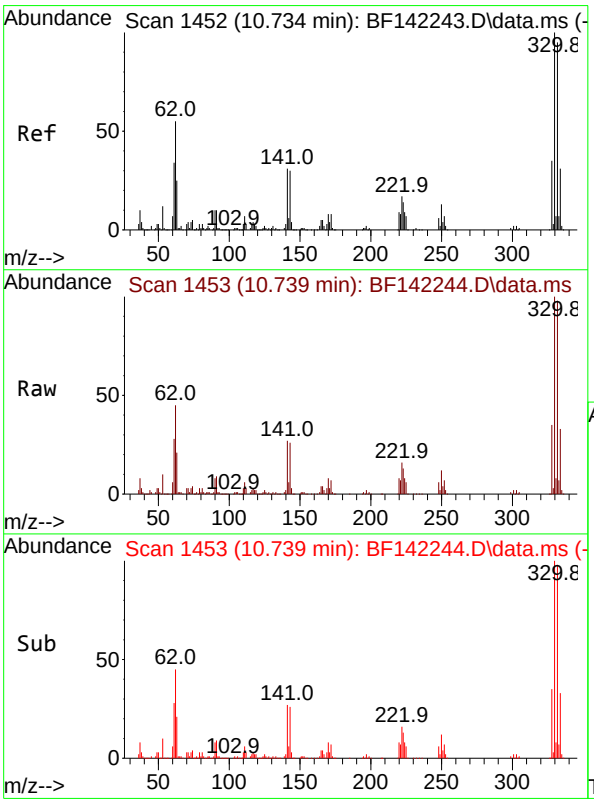
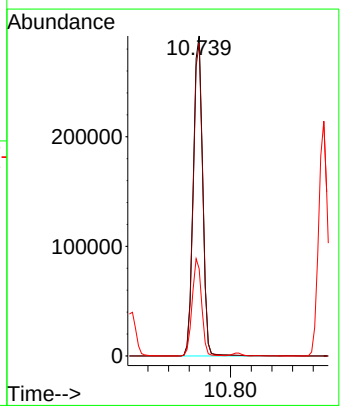
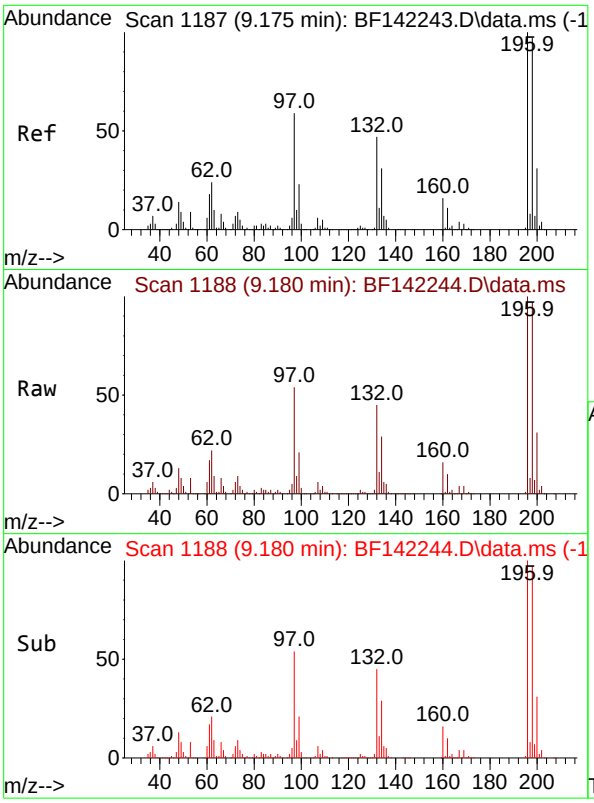


#42
2,4,6-Tribromophenol
Concen: 112.641 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:330 Resp: 369823

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.5	114.7
141	30.5	24.3	36.5

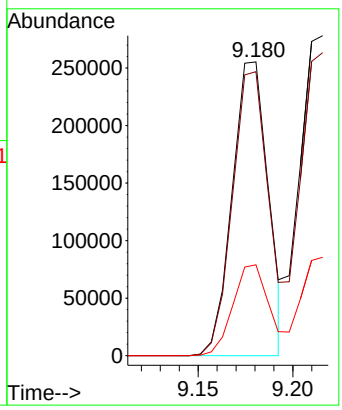




#43
2,4,6-Trichlorophenol
Concen: 53.801 ng
RT: 9.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:196 Resp: 33791

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.4	116.2
200	30.9	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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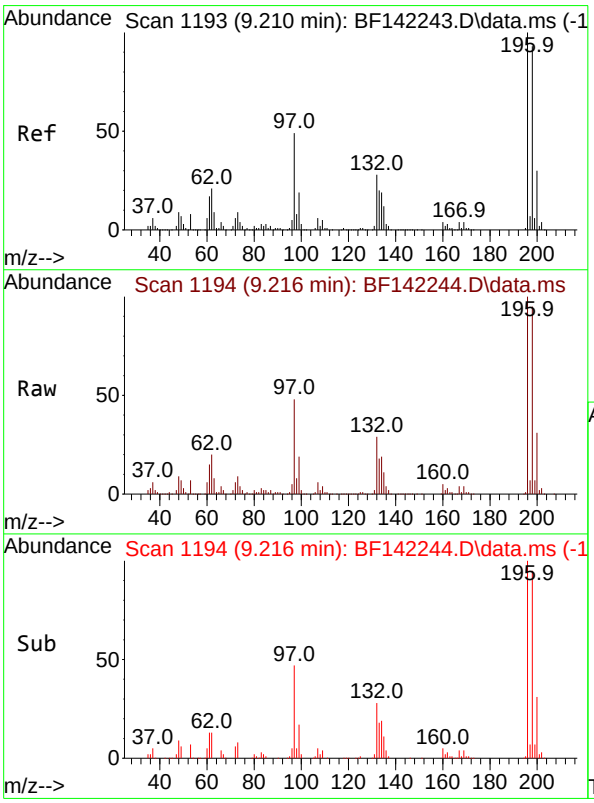
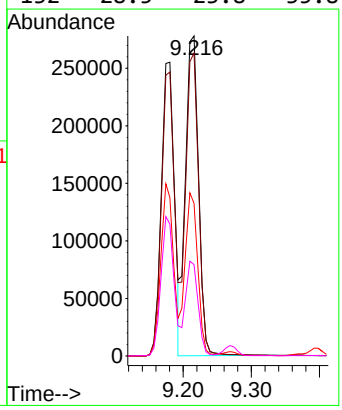
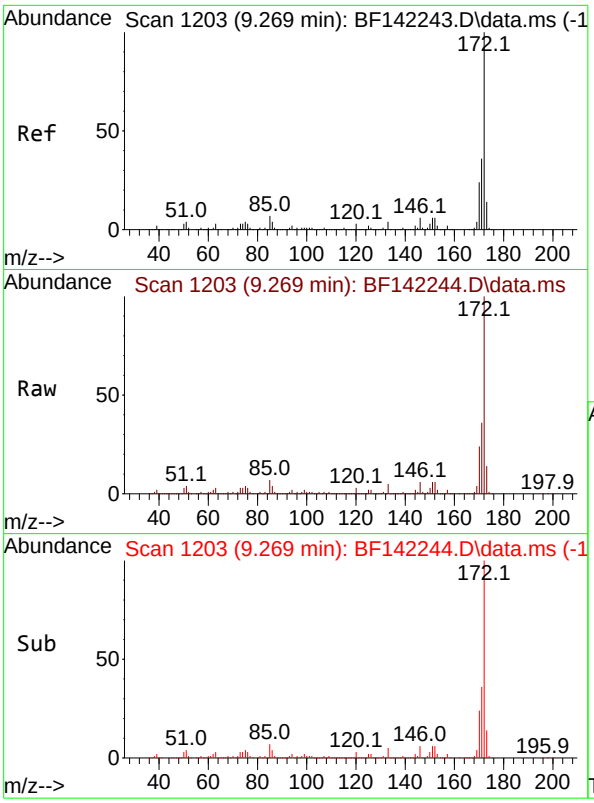


#44
2,4,5-Trichlorophenol
Concen: 56.106 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:196 Resp: 370489

Ion	Ratio	Lower	Upper
196	100		
198	94.7	75.2	112.8
97	47.7	39.8	59.8
132	28.5	23.8	35.8

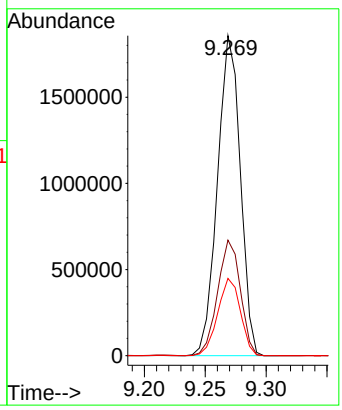




#45
2-Fluorobiphenyl
Concen: 94.966 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:172 Resp: 242570

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.1	19.4	29.0



Instrument :
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ClientSampleId :
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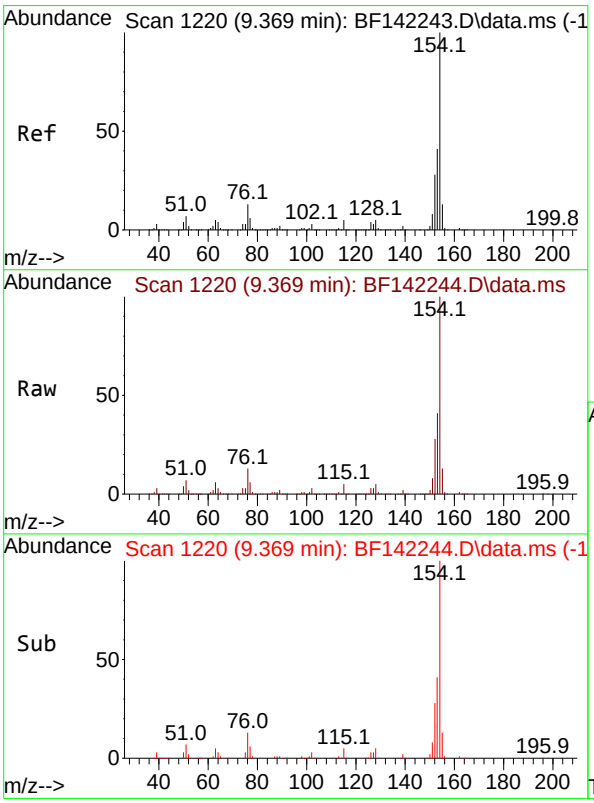
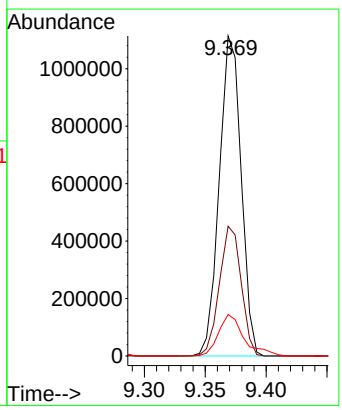
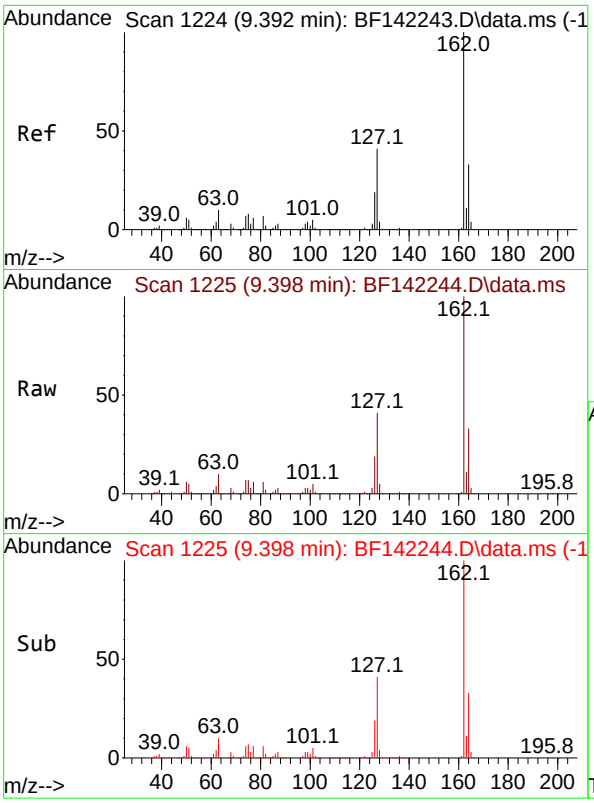


#46
1,1'-Biphenyl
Concen: 49.736 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:154 Resp: 1392513

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	13.0	0.0	32.8

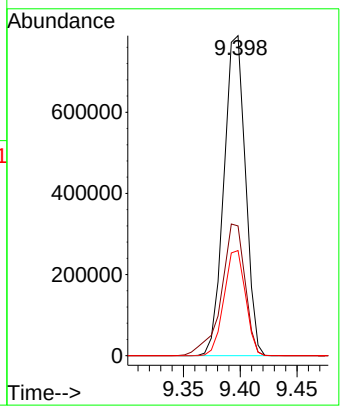




#47
2-Chloronaphthalene
Concen: 50.015 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:162 Resp: 104184

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.6	49.0
164	32.9	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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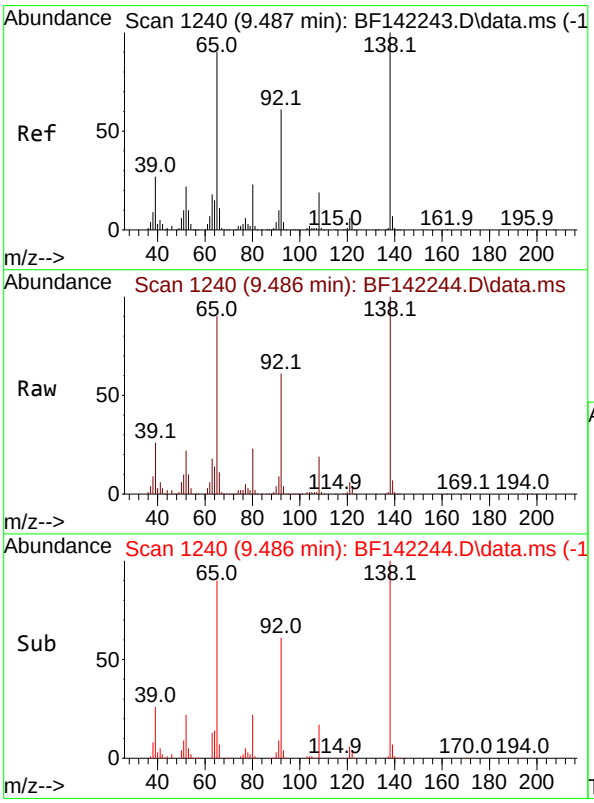
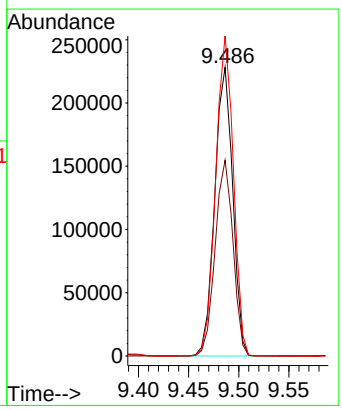
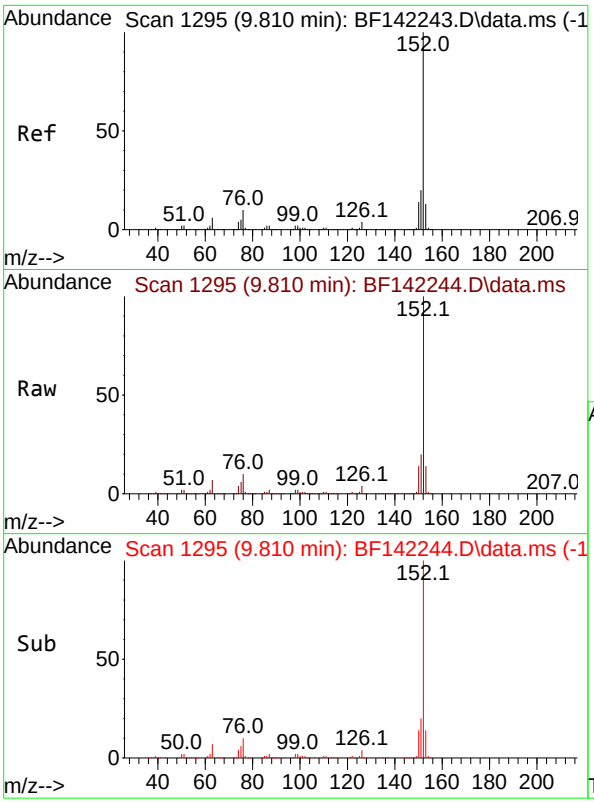


#48
2-Nitroaniline
Concen: 51.394 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 65 Resp: 284370

Ion	Ratio	Lower	Upper
65	100		
92	67.9	54.3	81.5
138	110.9	88.6	133.0

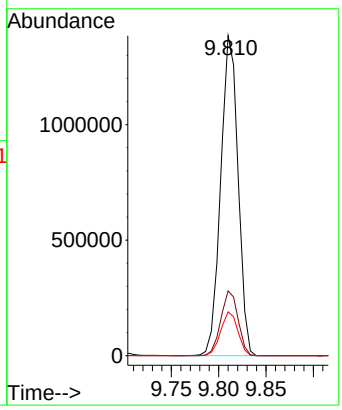




#49
Acenaphthylene
Concen: 50.339 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:152 Resp: 176944

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.7	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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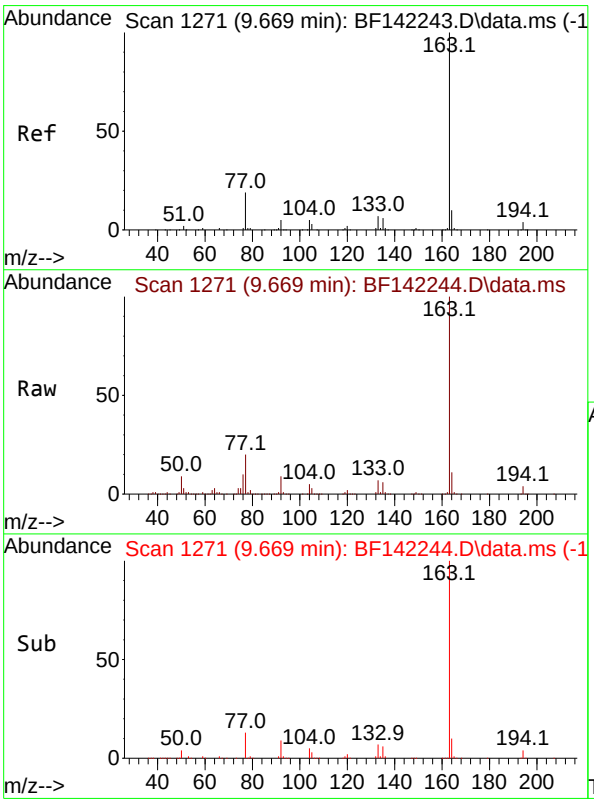
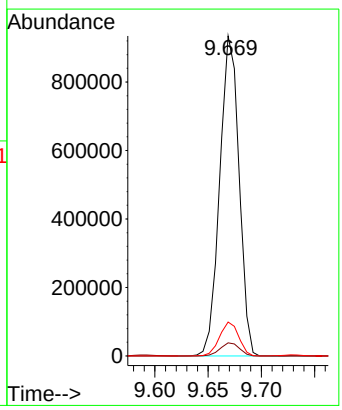
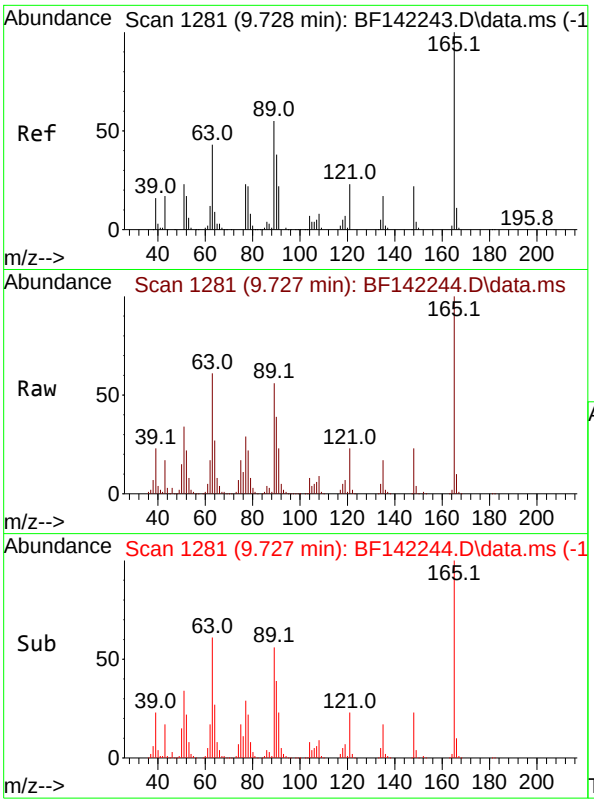


#50
Dimethylphthalate
Concen: 51.156 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:163 Resp: 1178638

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.6	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 52.309 ng
RT: 9.727 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:165 Resp: 23290

Ion	Ratio	Lower	Upper
165	100		
63	61.1	48.5	72.7
89	55.8	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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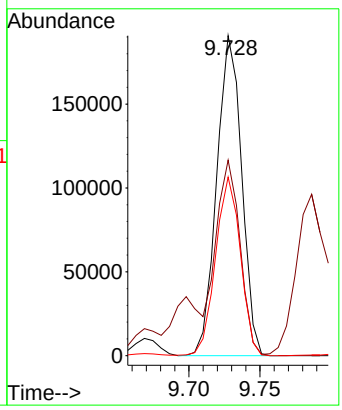
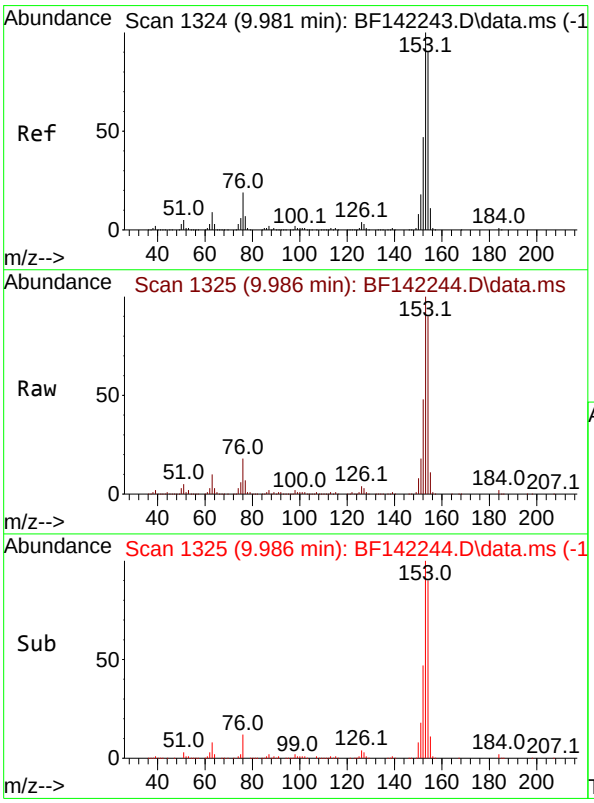
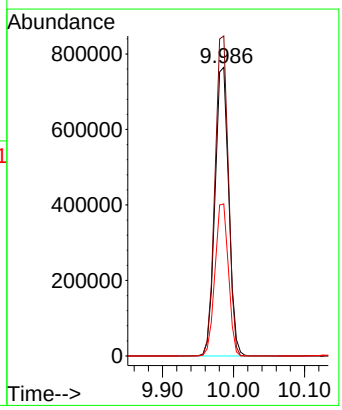


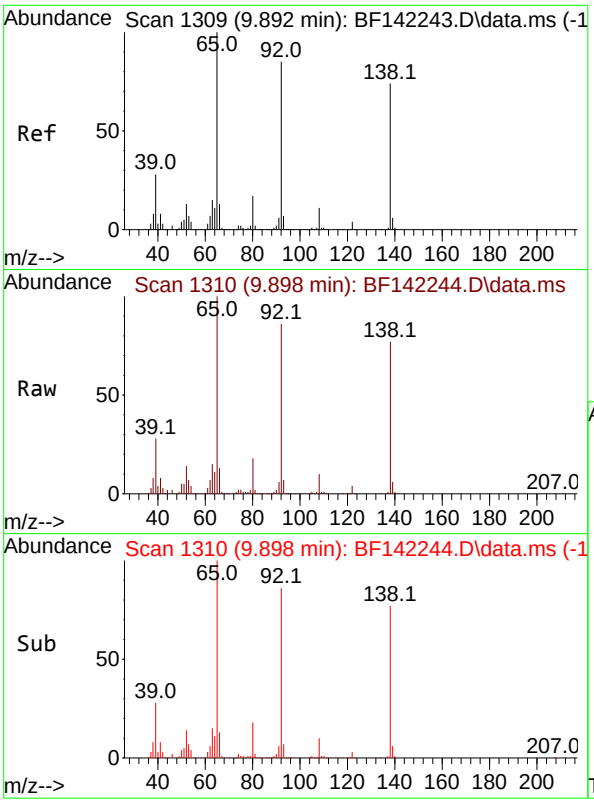


#52
Acenaphthene
Concen: 49.912 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:154 Resp: 1024409

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.6	133.0
152	52.7	42.1	63.1

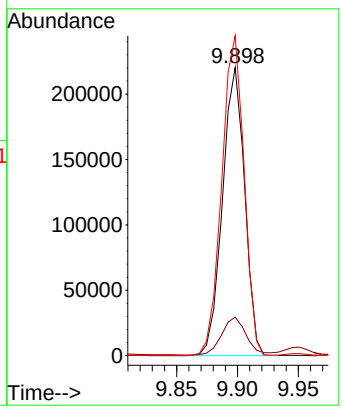




#53
3-Nitroaniline
Concen: 51.745 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:138 Resp: 27960

Ion	Ratio	Lower	Upper
138	100		
108	13.4	11.7	17.5
92	111.0	91.2	136.8



Instrument :
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ClientSampleId :
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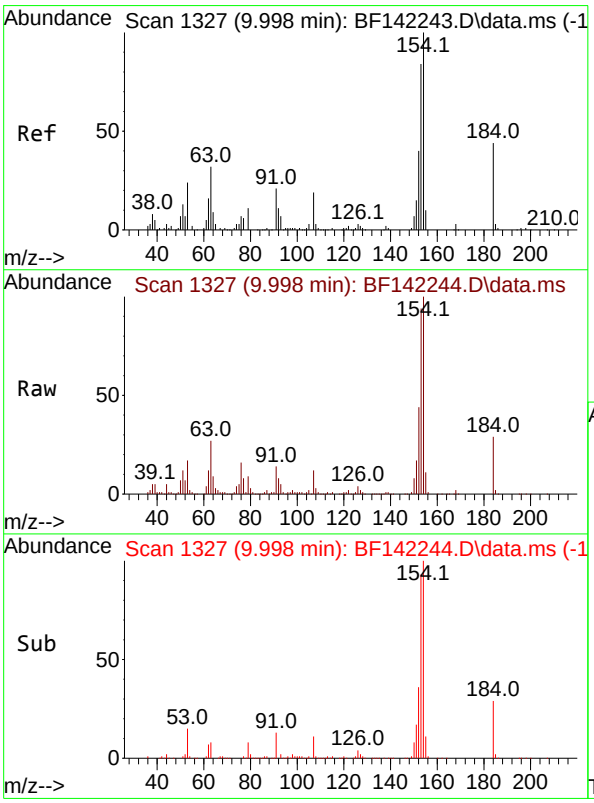
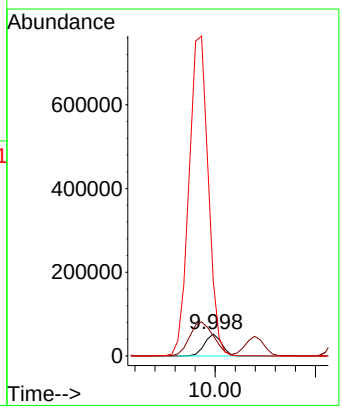
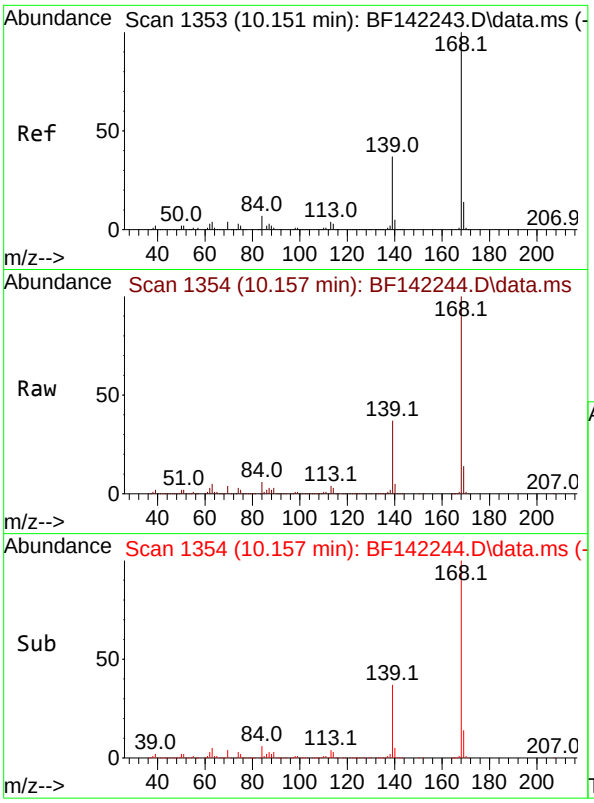


#54
2,4-Dinitrophenol
Concen: 50.725 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:184 Resp: 62086

Ion	Ratio	Lower	Upper
184	100		
63	92.9	69.2	103.8
154	342.0	271.4	407.2

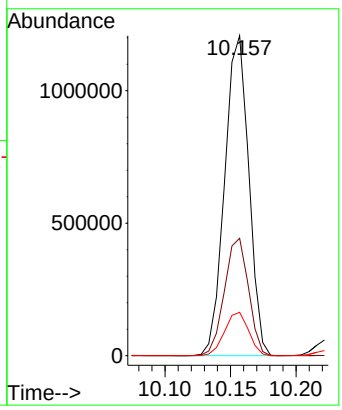




#55
Dibenzofuran
Concen: 50.123 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:168 Resp: 154209

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.6	11.0	16.4



Instrument :
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ClientSampleId :
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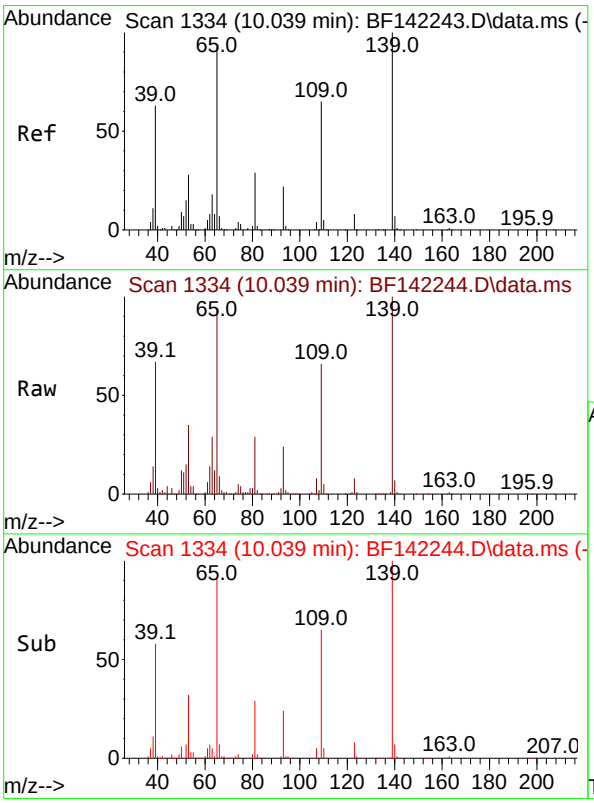
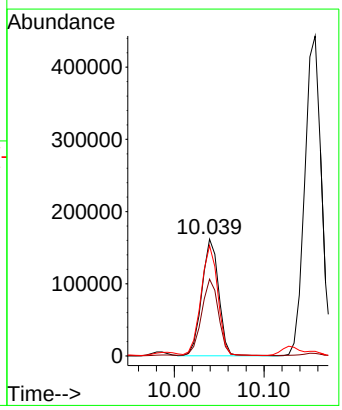
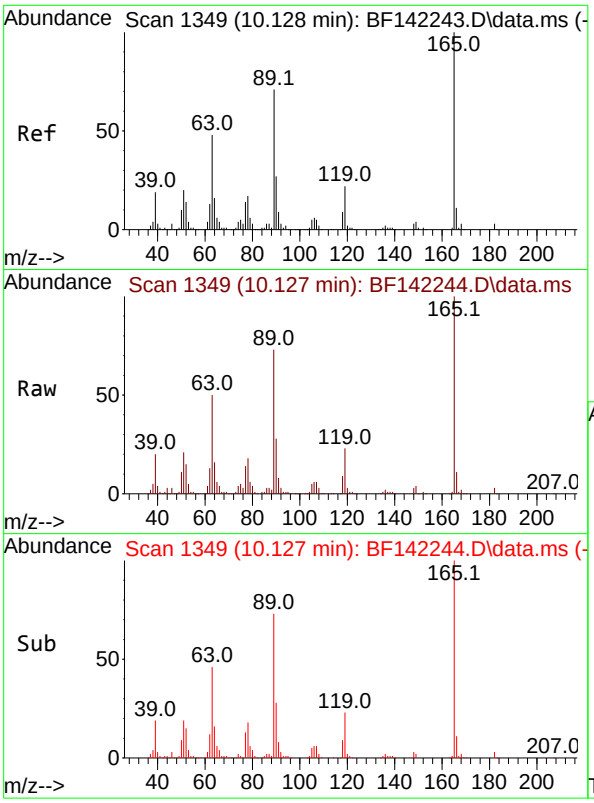


#56
4-Nitrophenol
Concen: 58.029 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:139 Resp: 210153

Ion	Ratio	Lower	Upper
139	100		
109	65.7	44.9	84.9
65	94.5	74.7	114.7

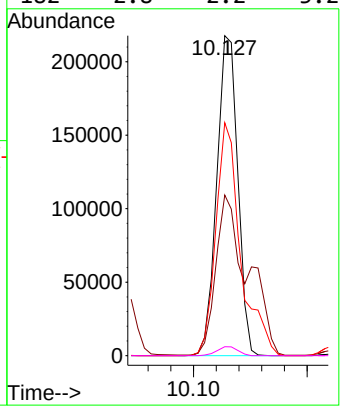




#57
2,4-Dinitrotoluene
Concen: 51.918 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:165 Resp: 28019

Ion	Ratio	Lower	Upper
165	100		
63	50.2	38.8	58.2
89	72.8	57.1	85.7
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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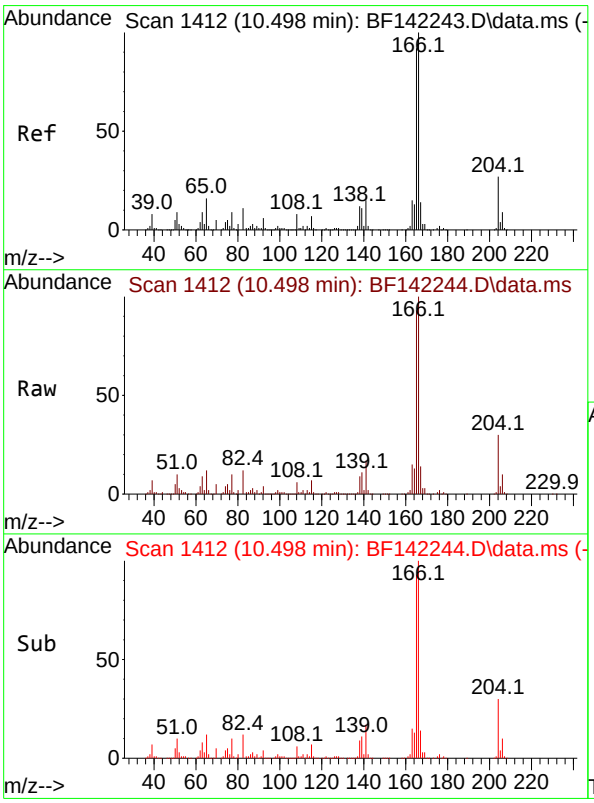
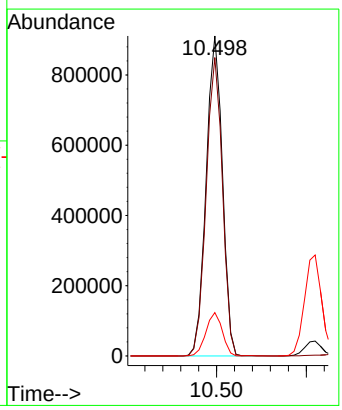
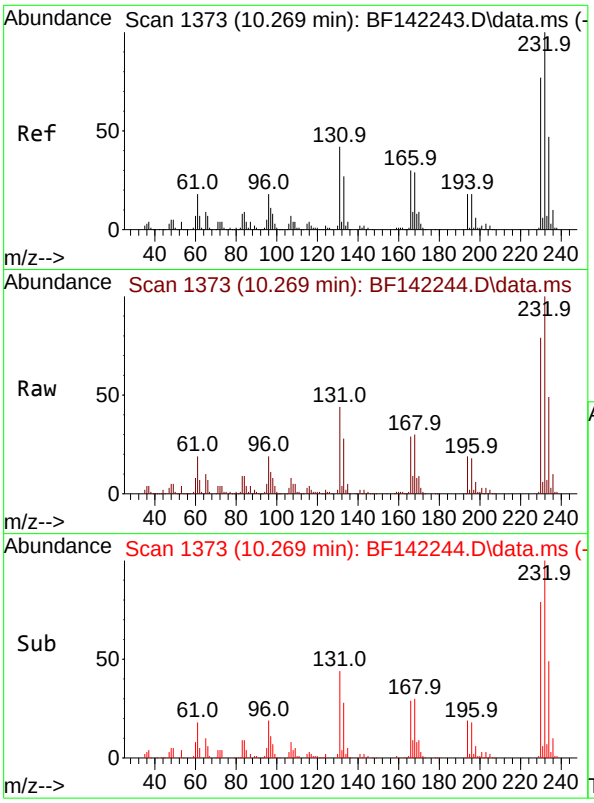


#58
Fluorene
Concen: 49.000 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:166 Resp: 1146269

Ion	Ratio	Lower	Upper
166	100		
165	93.2	73.9	110.9
167	13.6	10.8	16.2

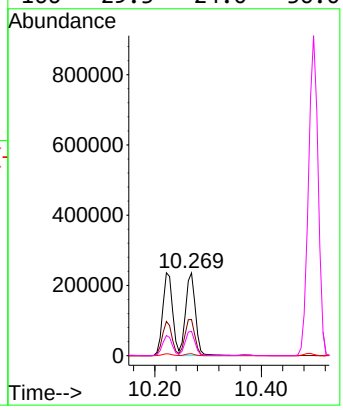




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.989 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:232 Resp: 30078

Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.9	53.9
130	2.3	1.8	2.6
166	29.3	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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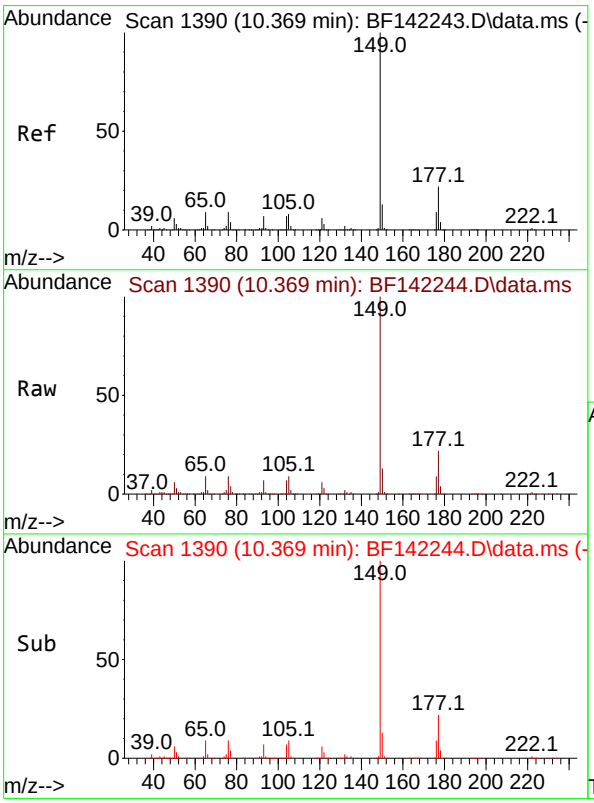
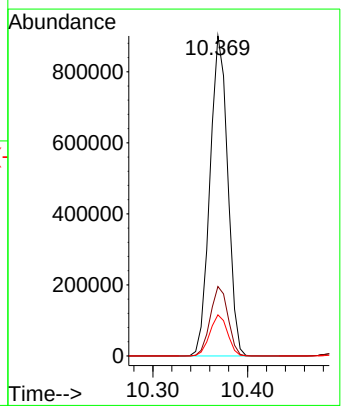
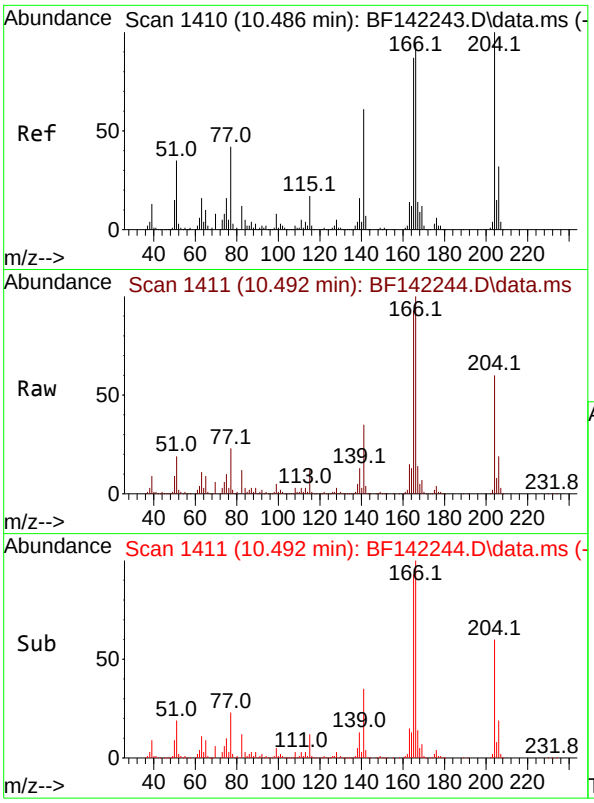


#60
Diethylphthalate
Concen: 51.459 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 1170793

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.6	26.4
150	12.8	10.2	15.2

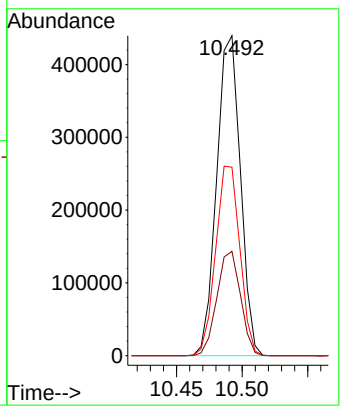




#61
4-Chlorophenyl-phenylether
Concen: 49.802 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:204 Resp: 55327

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.6	38.4
141	58.9	48.9	73.3



Instrument :
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ClientSampleId :
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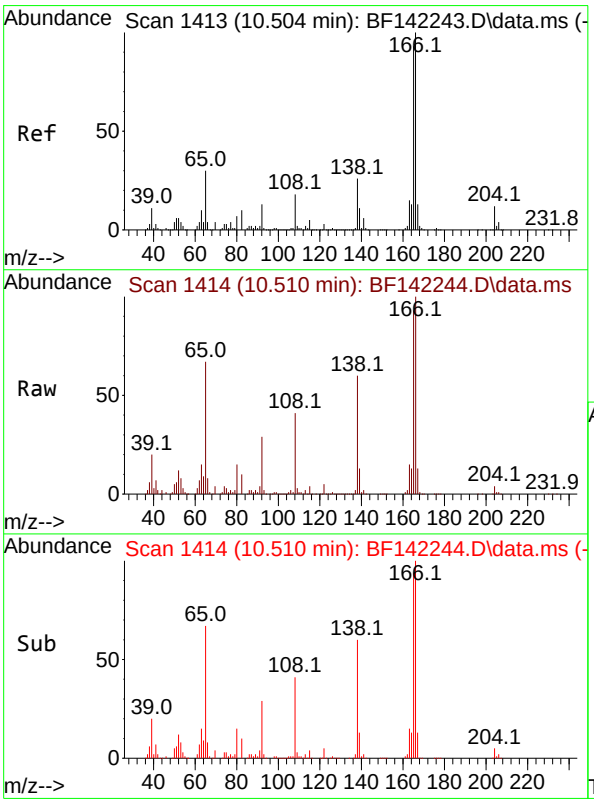
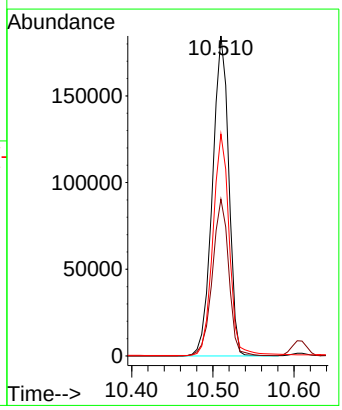
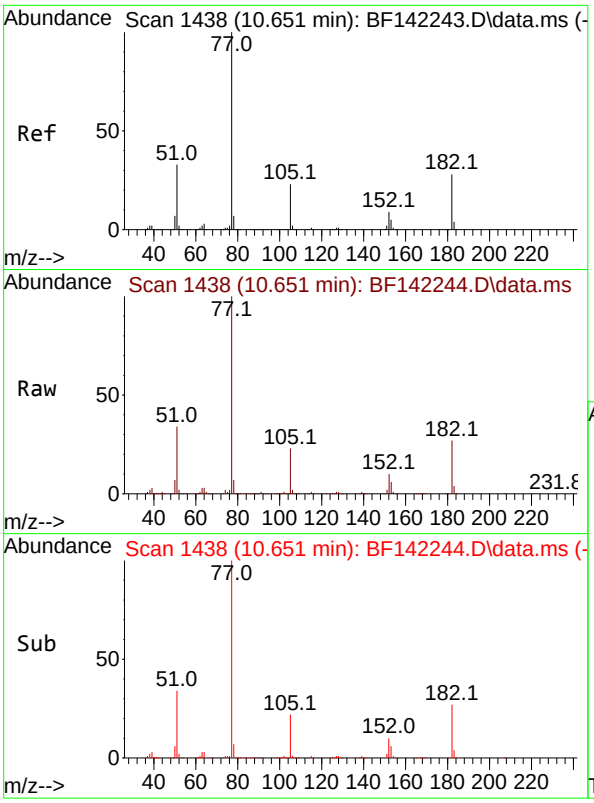


#62
4-Nitroaniline
Concen: 52.547 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:138 Resp: 258117

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.2	69.2
108	69.4	49.1	89.1

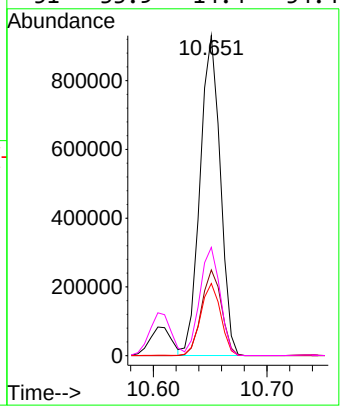




#63
Azobenzene
Concen: 51.226 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion: 77 Resp: 115089

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.3	47.3
105	22.6	2.5	42.5
51	33.9	14.4	54.4



Instrument :
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ClientSampleId :
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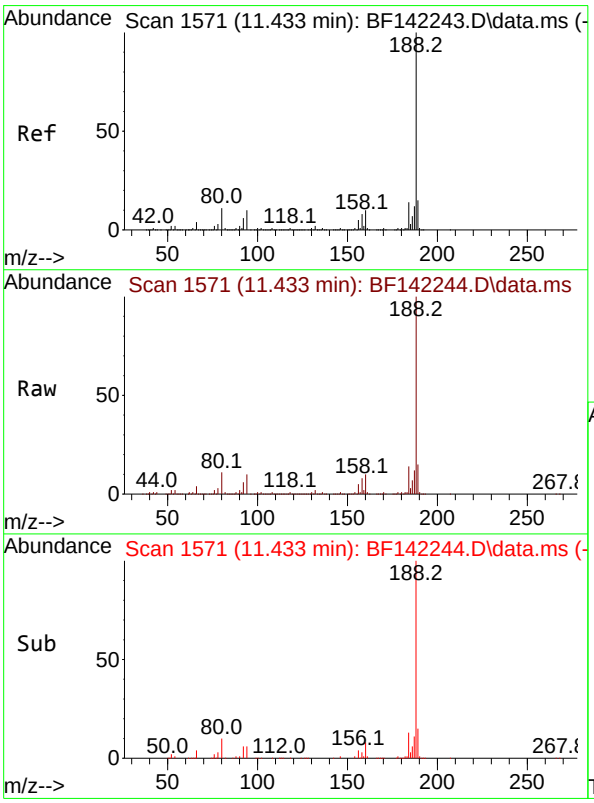
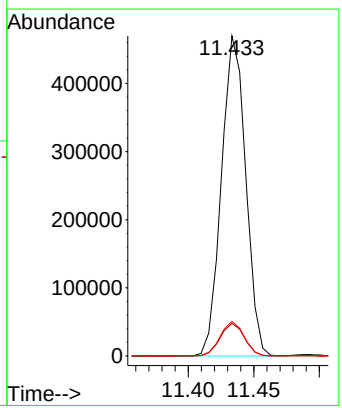
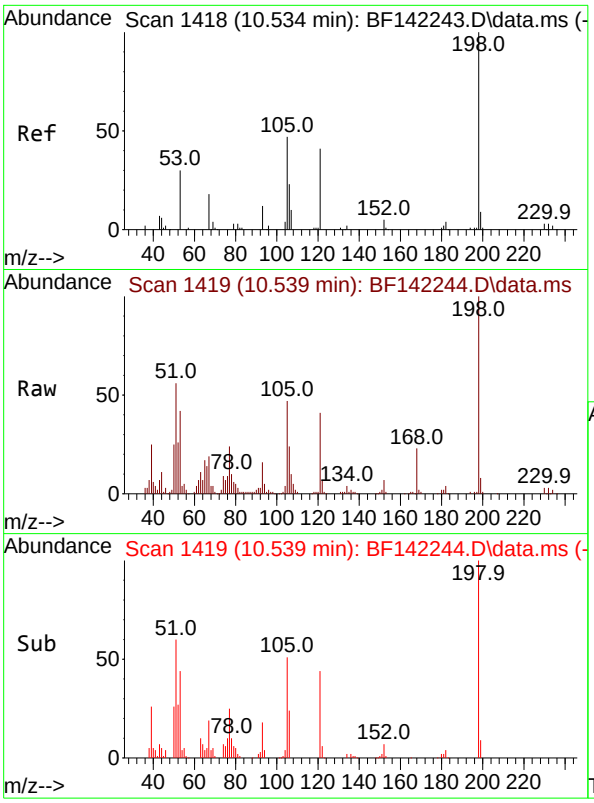


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:188 Resp: 604171

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	10.8	8.6	12.8

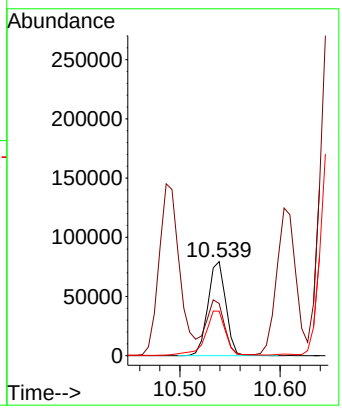




#65
4,6-Dinitro-2-methylphenol
Concen: 49.012 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:198 Resp: 9811

Ion	Ratio	Lower	Upper
198	100		
51	55.5	40.6	80.6
105	47.3	29.2	69.2



Instrument :
BNA_F
ClientSampleId :
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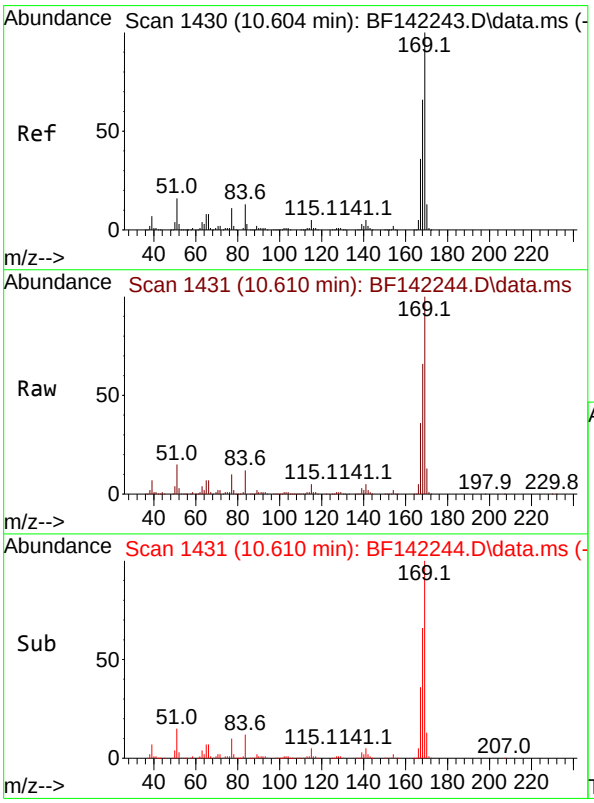
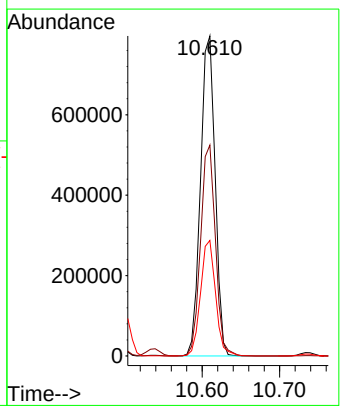
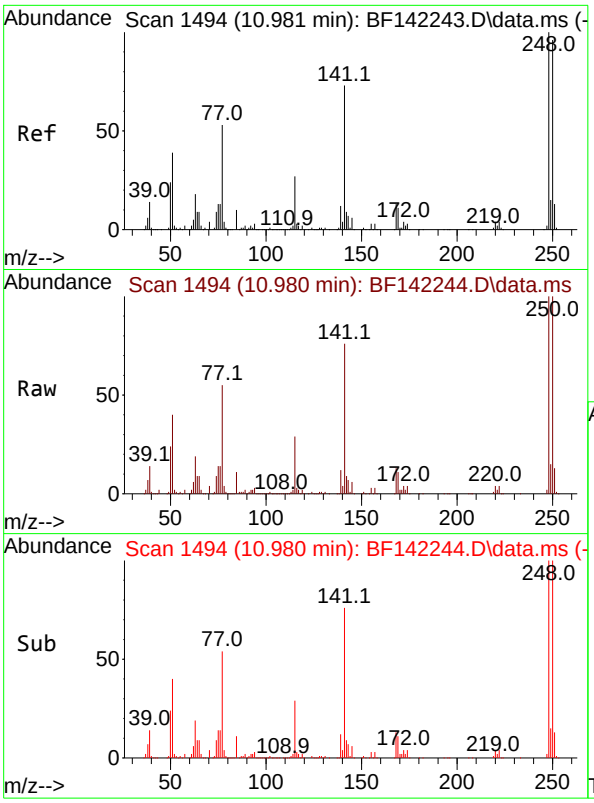


#66
n-Nitrosodiphenylamine
Concen: 50.442 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:169 Resp: 1041277

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.6
167	36.1	28.8	43.2

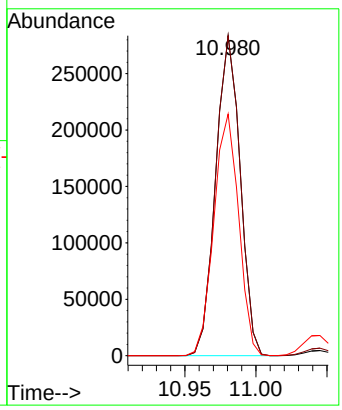




#67
4-Bromophenyl-phenylether
Concen: 50.576 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:248 Resp: 34029

Ion	Ratio	Lower	Upper
248	100		
250	100.0	77.2	115.8
141	75.5	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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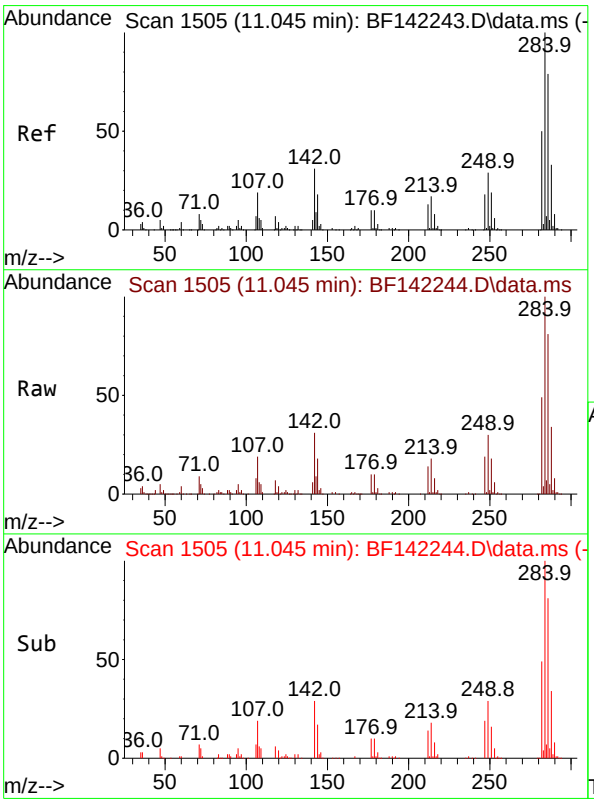
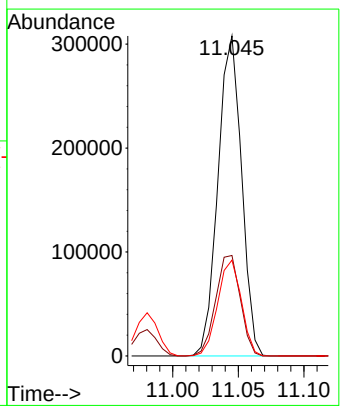
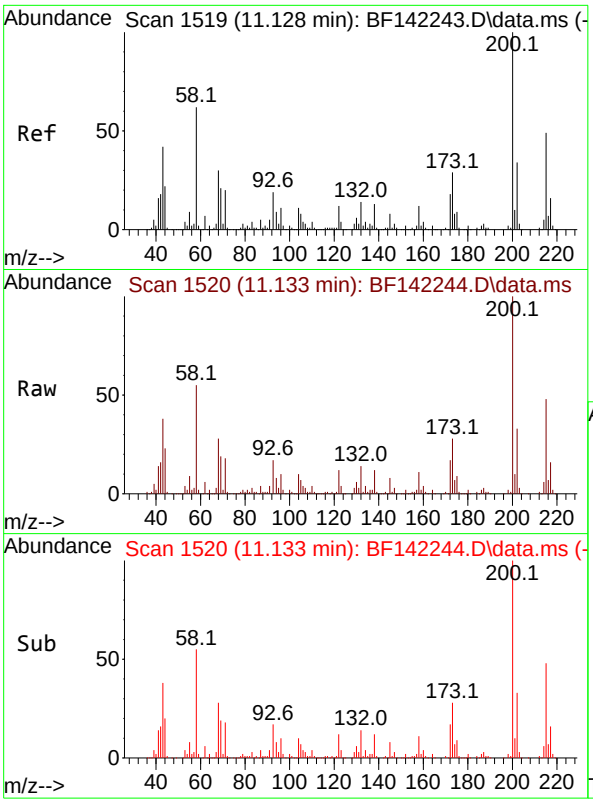


#68
Hexachlorobenzene
Concen: 51.064 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:284 Resp: 384807

Ion	Ratio	Lower	Upper
284	100		
142	31.4	24.6	37.0
249	30.0	23.2	34.8

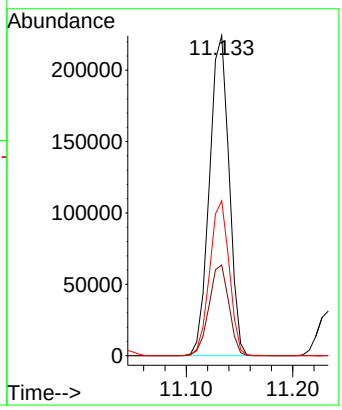




#69
Atrazine
Concen: 52.819 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:200 Resp: 28740

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	48.4	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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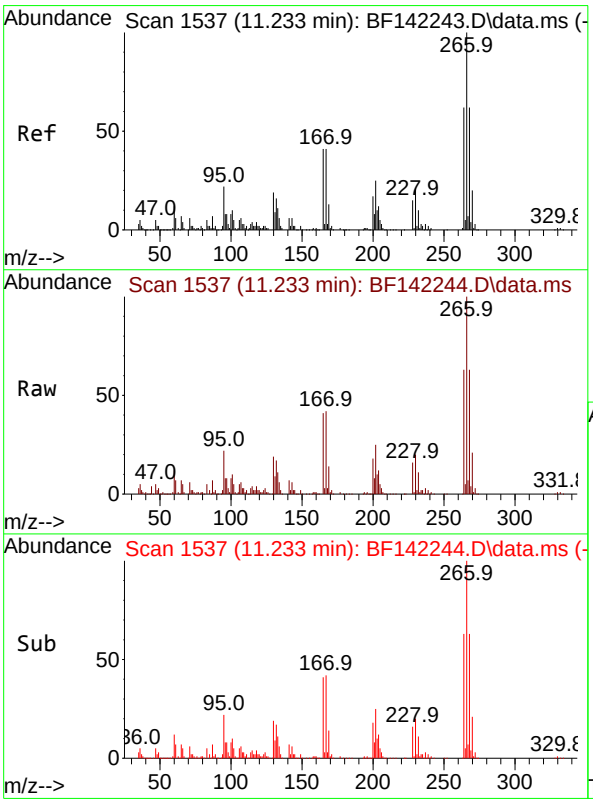
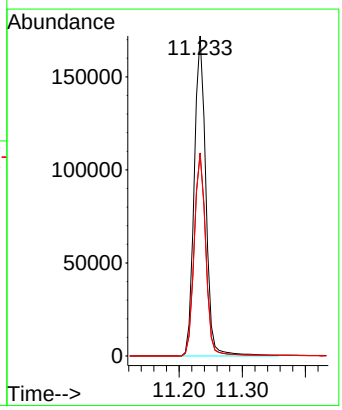
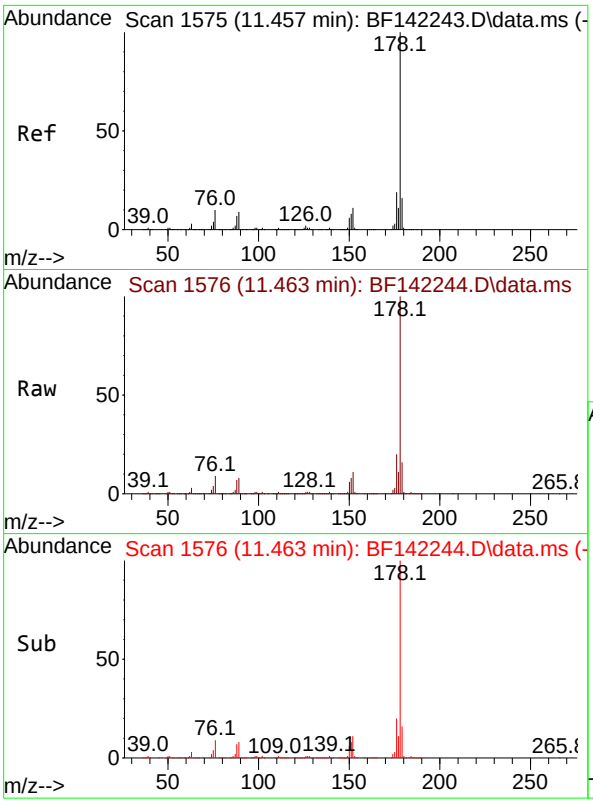


#70
Pentachlorophenol
Concen: 55.114 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:266 Resp: 219414

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.0	75.0
264	63.2	49.3	73.9

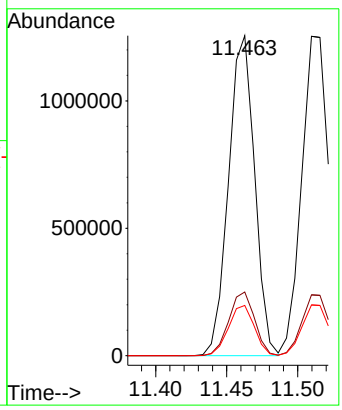




#71
Phenanthrene
Concen: 49.244 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:178 Resp: 160709

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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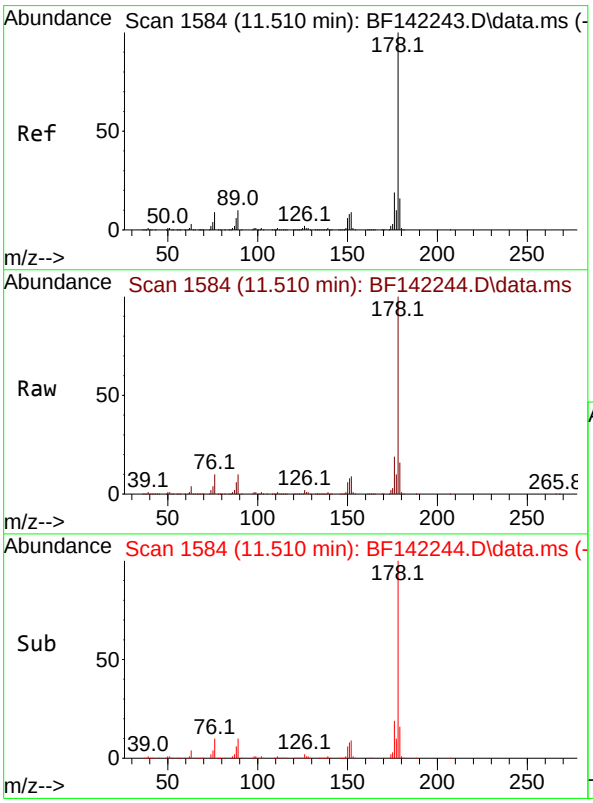
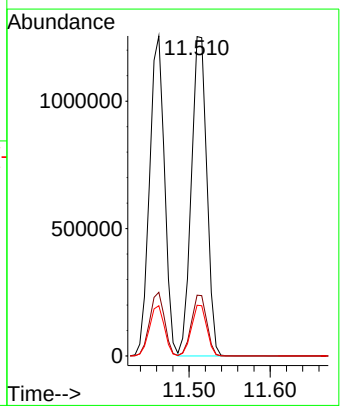
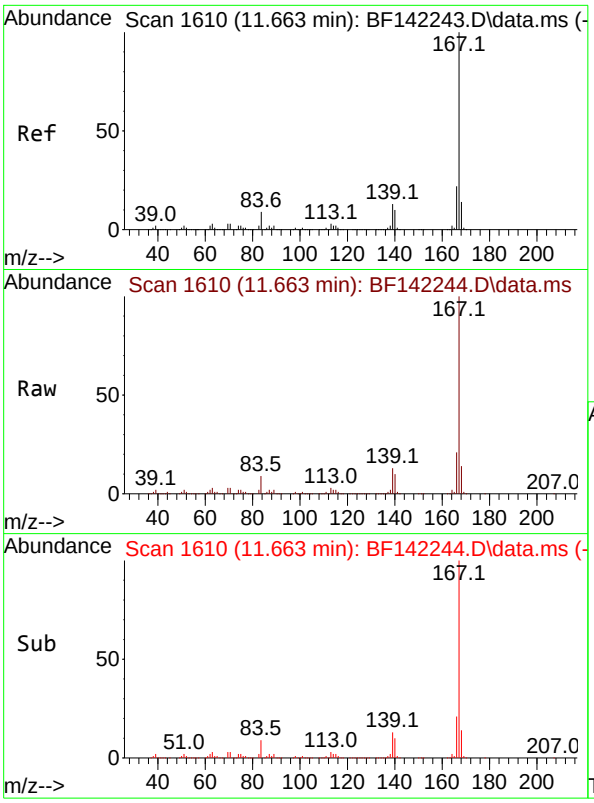


#72
Anthracene
Concen: 49.744 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:178 Resp: 1659788

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.9	12.7	19.1

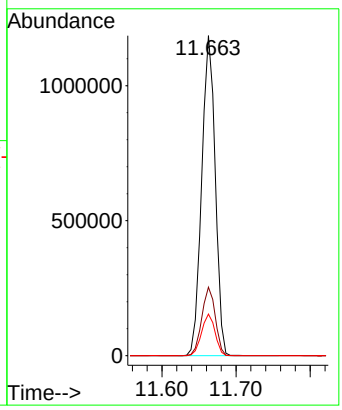




#73
Carbazole
Concen: 49.436 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:167 Resp: 150471

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	13.0	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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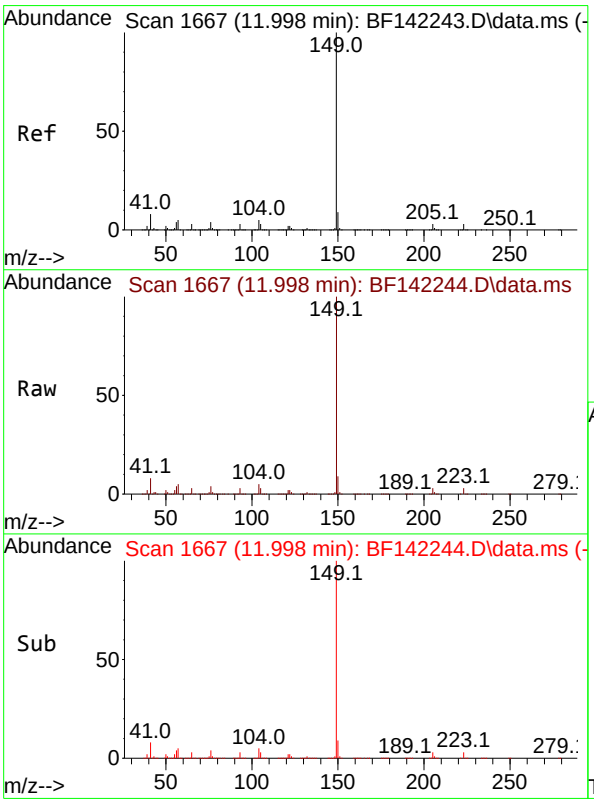
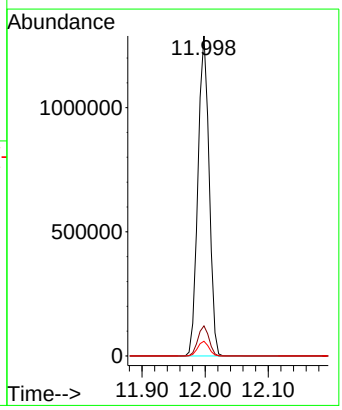
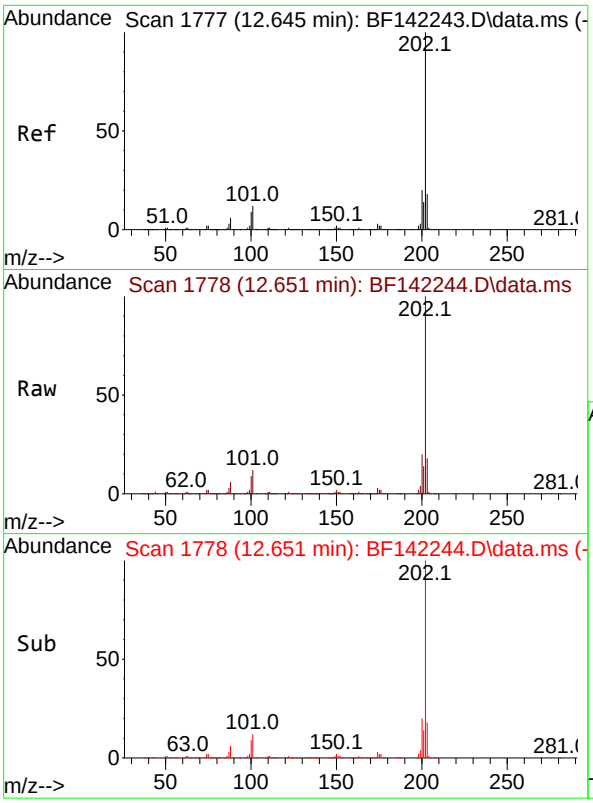


#74
Di-n-butylphthalate
Concen: 51.573 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 1578769

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4

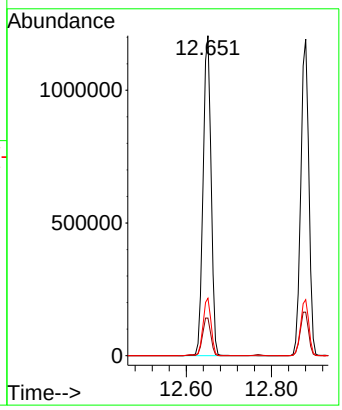




#75
Fluoranthene
Concen: 48.481 ng
RT: 12.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:202 Resp: 156399

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	17.9	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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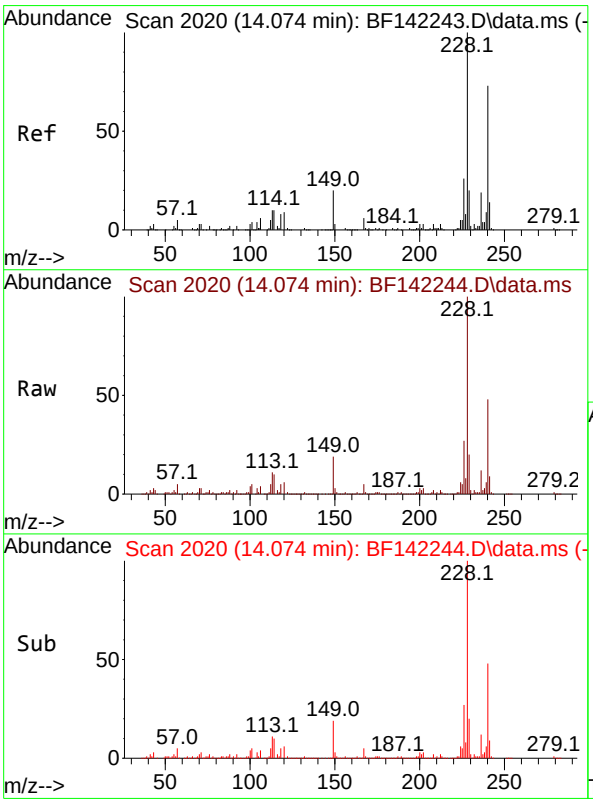
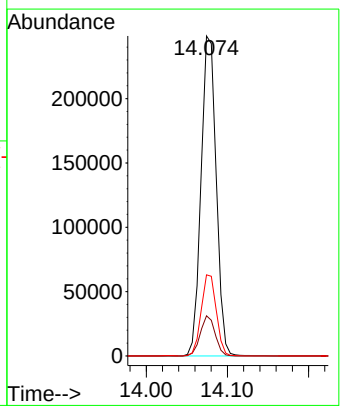
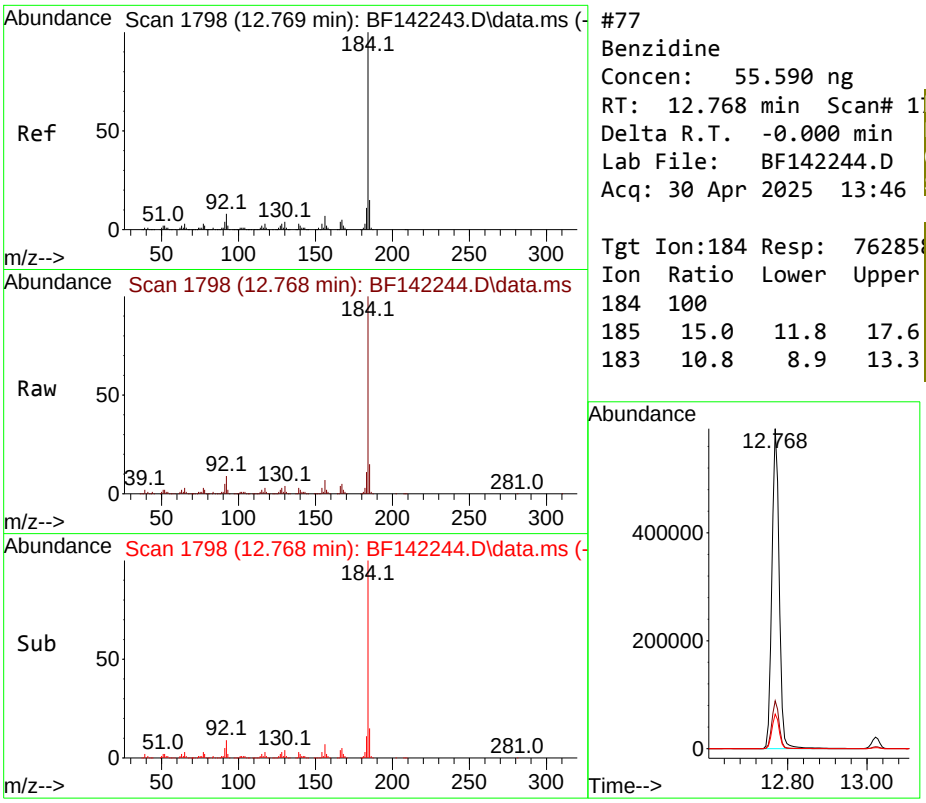


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:240 Resp: 322957

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.3	20.5	30.7





#77
Benzidine
Concen: 55.590 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:184 Resp: 76285

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.8	17.6
183	10.8	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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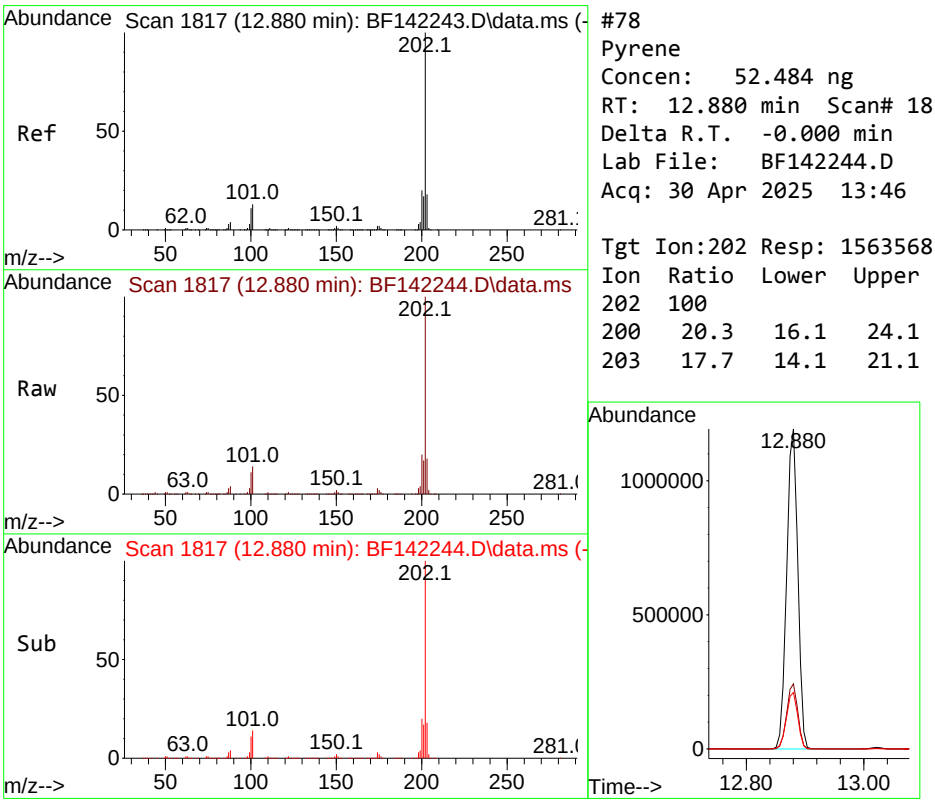
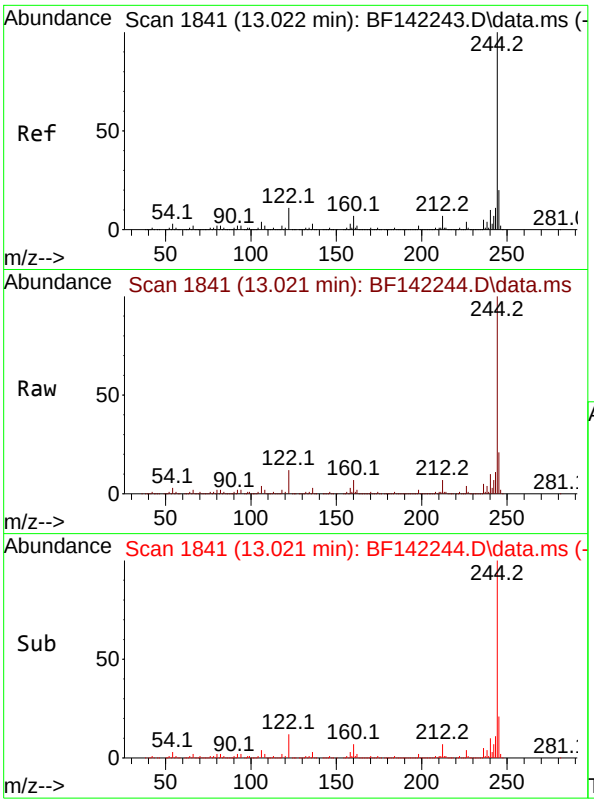


#78
Pyrene
Concen: 52.484 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:202 Resp: 1563568

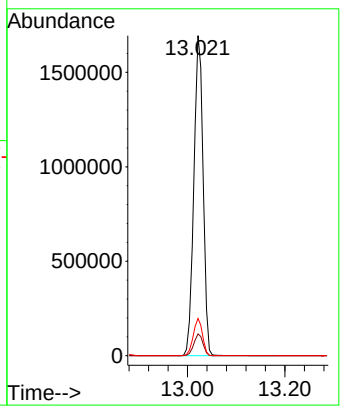
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	17.7	14.1	21.1



#79
Terphenyl-d14
Concen: 101.236 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:244 Resp: 224798

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	11.6	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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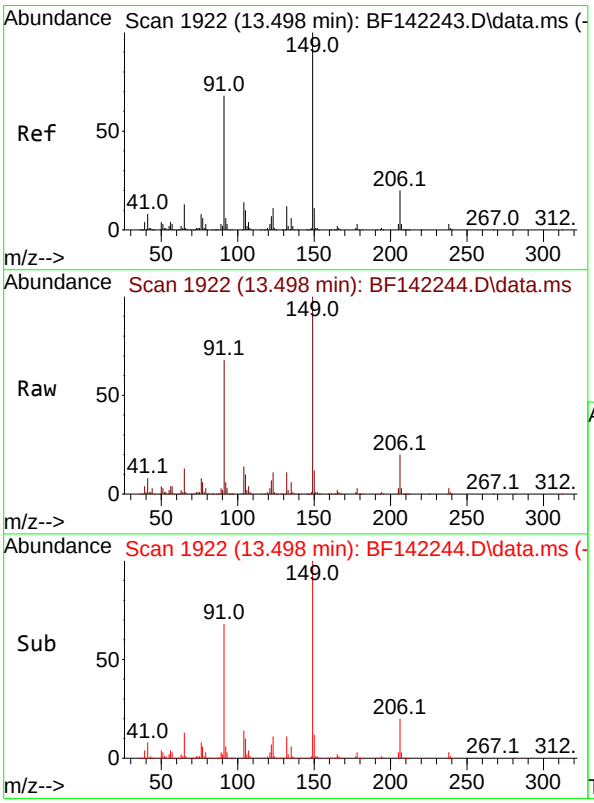
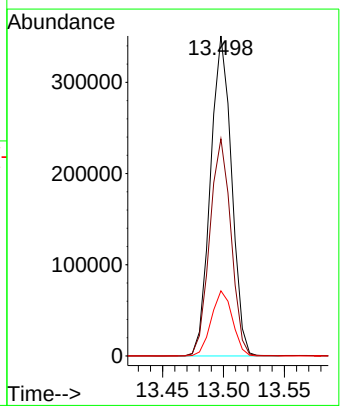
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

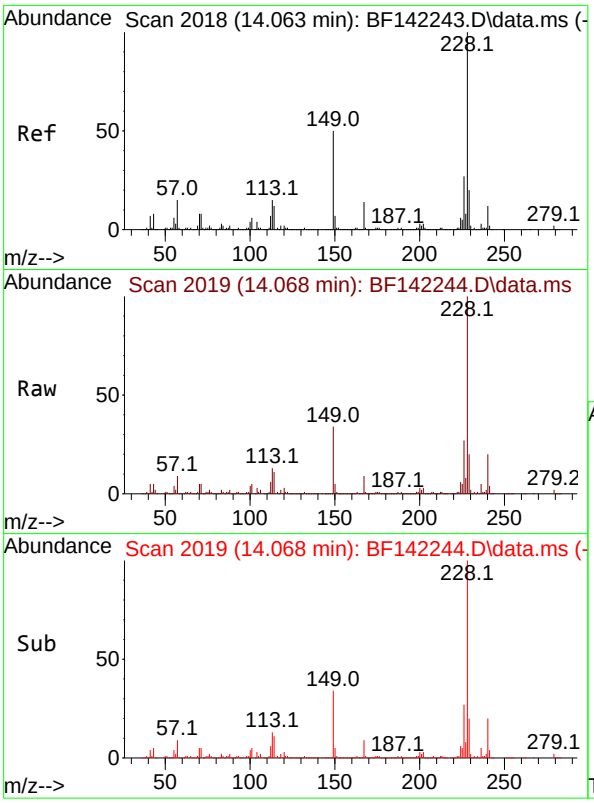


#80
Butylbenzylphthalate
Concen: 51.685 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 423529

Ion	Ratio	Lower	Upper
149	100		
91	67.9	54.4	81.6
206	20.3	15.9	23.9





#81
Benzo(a)anthracene
Concen: 51.691 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:228 Resp: 1120699

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.9	32.9
229	19.8	16.0	24.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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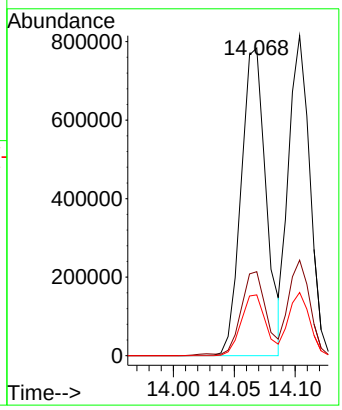
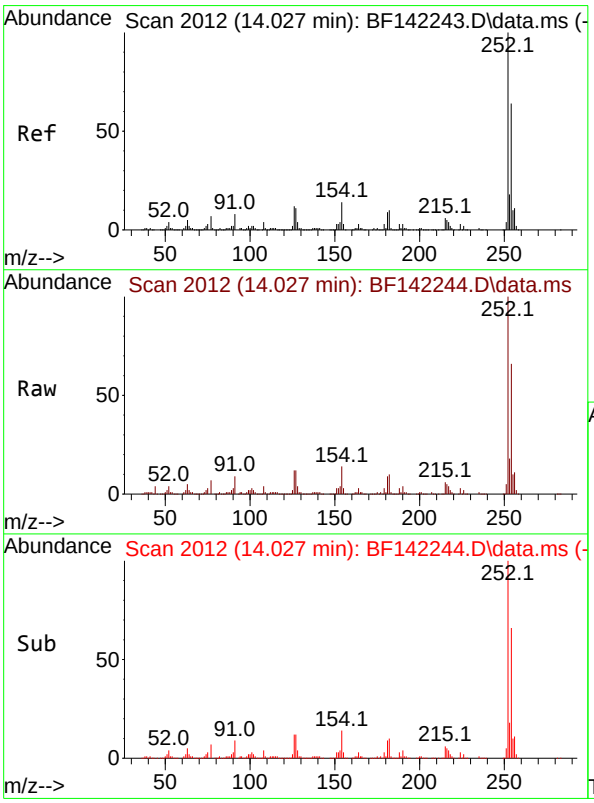
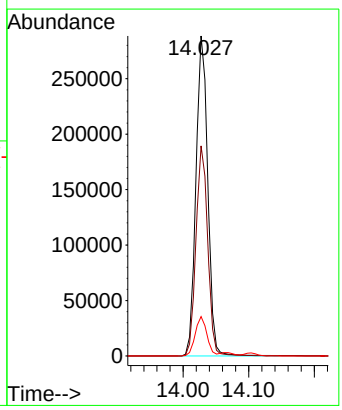


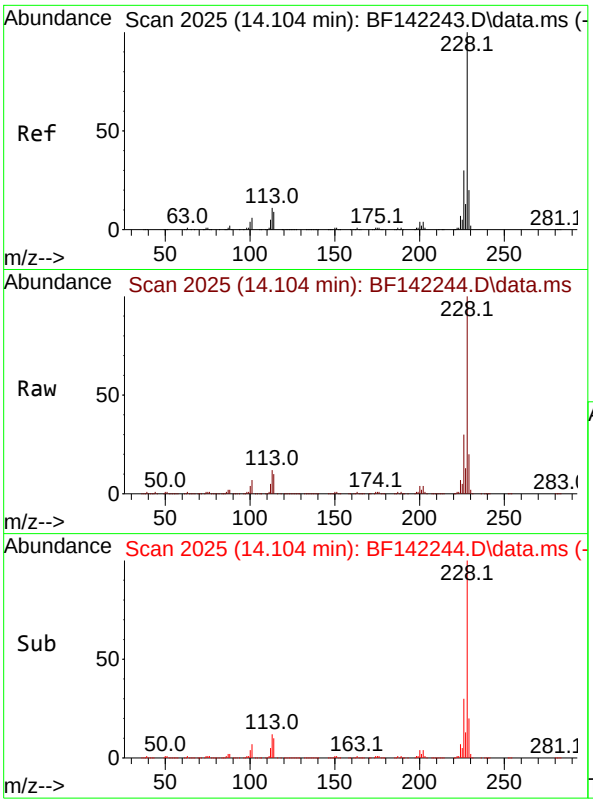


#82
3,3'-Dichlorobenzidine
Concen: 57.021 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 363124

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.0	76.6
126	12.3	9.4	14.2

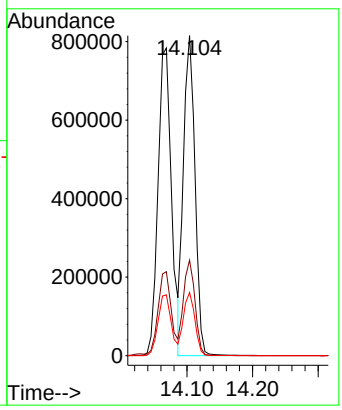




#83
Chrysene
Concen: 50.214 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:228 Resp: 99099

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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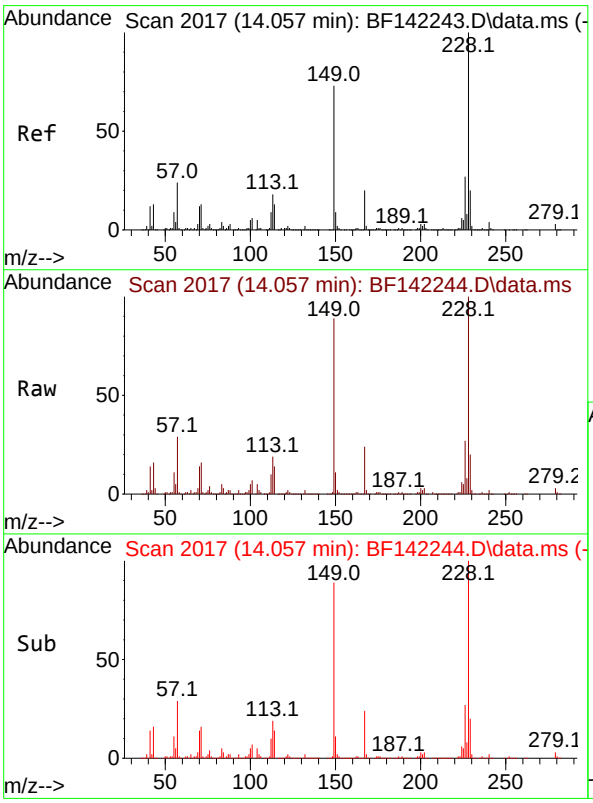
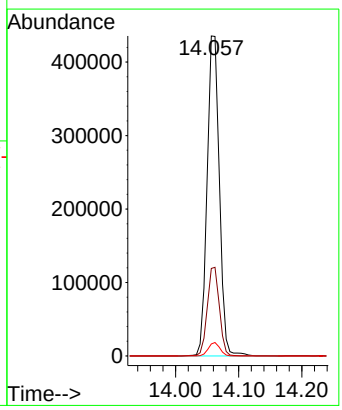
Supervised By :Jagrut Upadhyay 05/01/2025

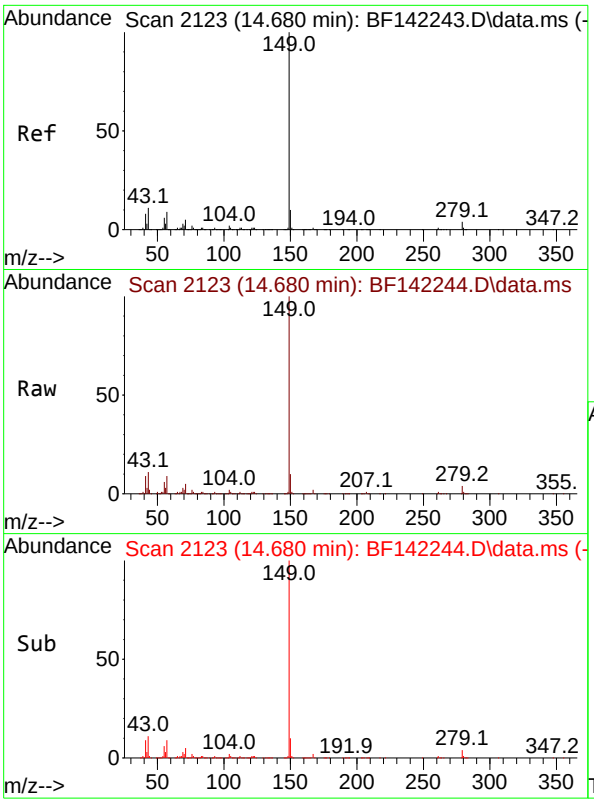


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.638 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 585800

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.7	32.5
279	3.7	3.0	4.4

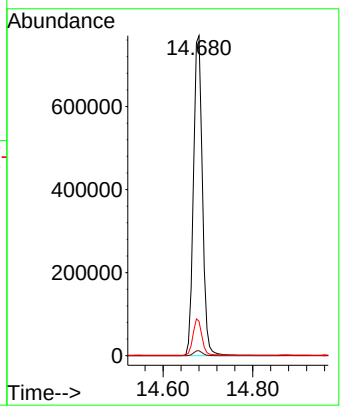




#85
Di-n-octyl phthalate
Concen: 51.078 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:149 Resp: 106562

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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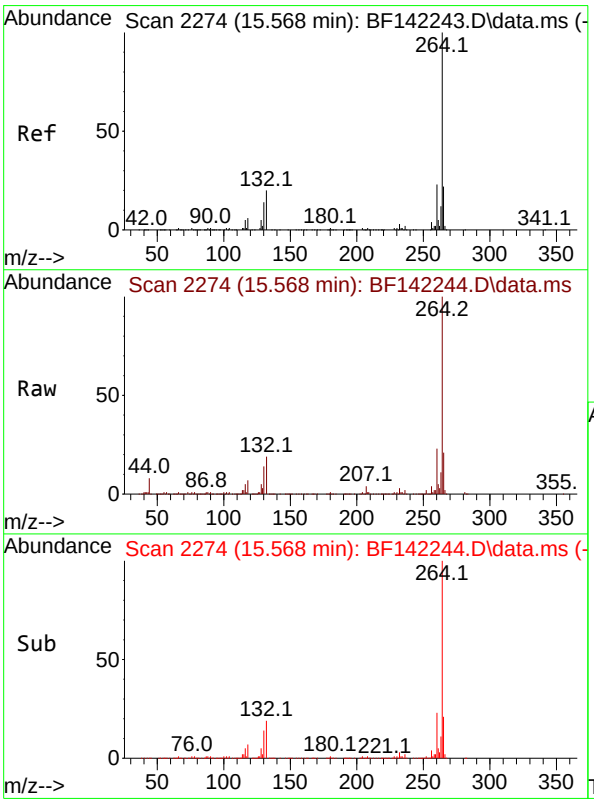
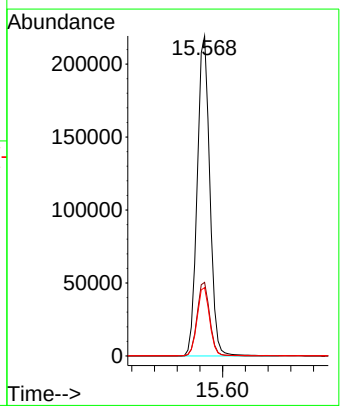
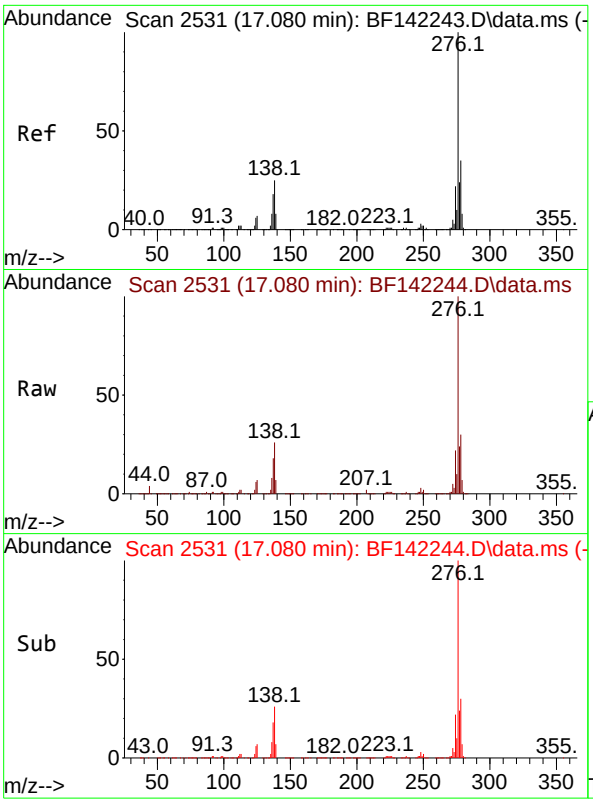


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:264 Resp: 337726

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.4	17.3	25.9

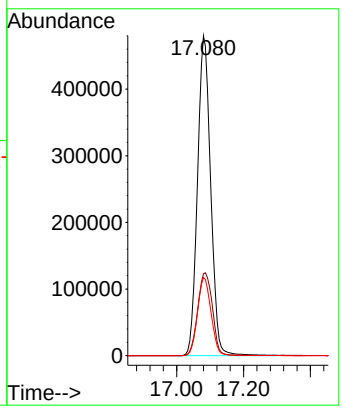




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.091 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:276 Resp: 131333

Ion	Ratio	Lower	Upper
276	100		
138	29.0	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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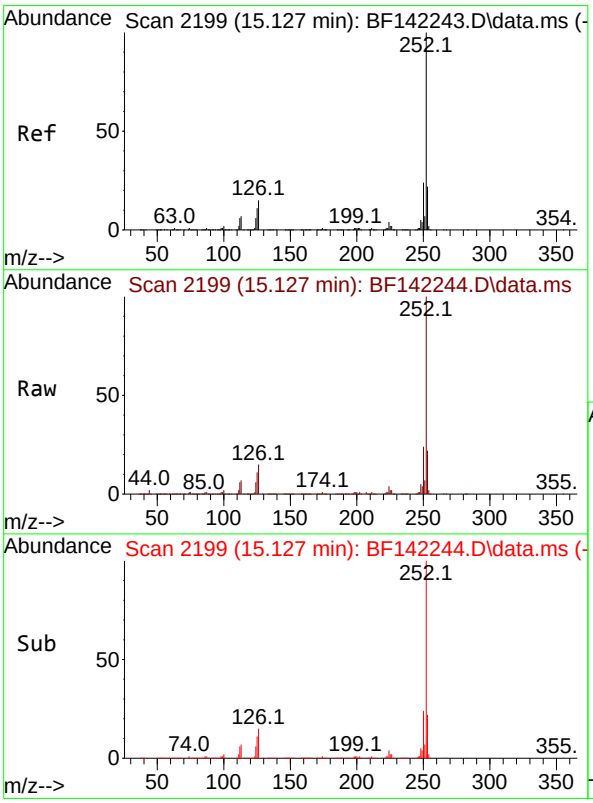
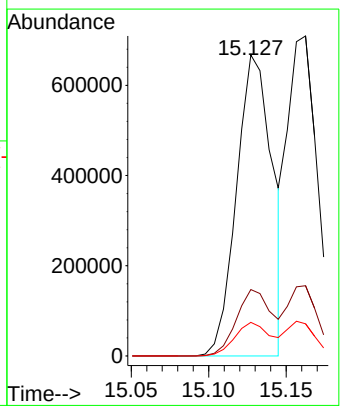
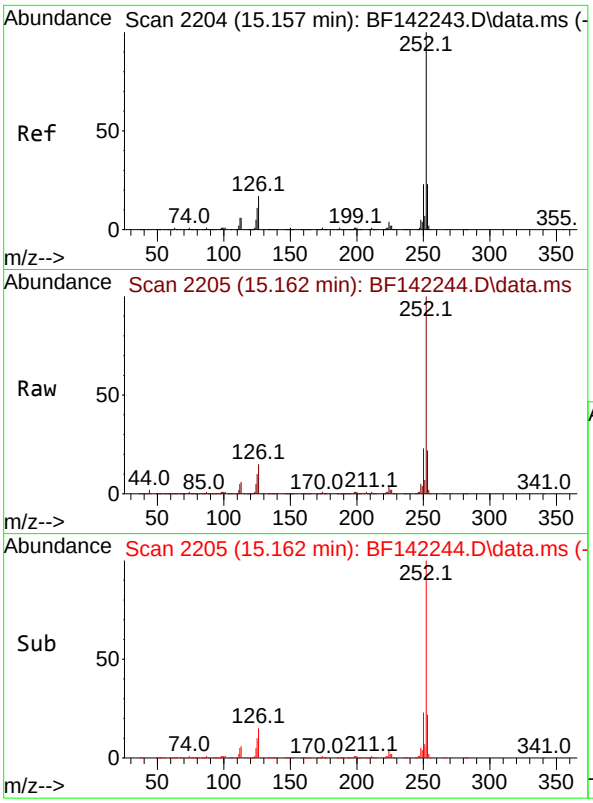


#88
Benzo(b)fluoranthene
Concen: 51.153 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 1073096

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.2	9.0	13.4

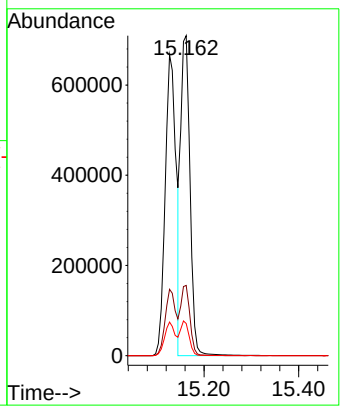




#89
Benzo(k)fluoranthene
Concen: 50.408 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 96724

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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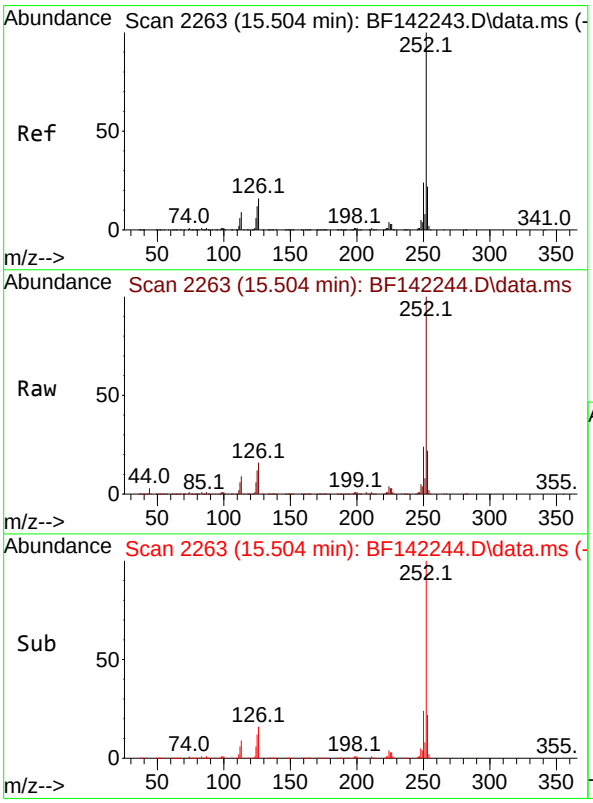
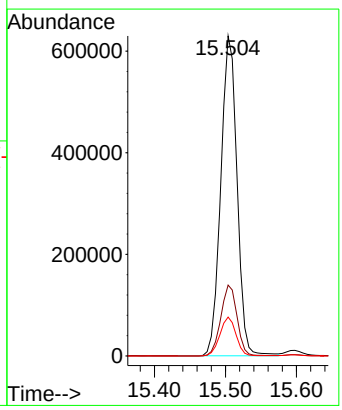
Supervised By :Jagrut Upadhyay 05/01/2025

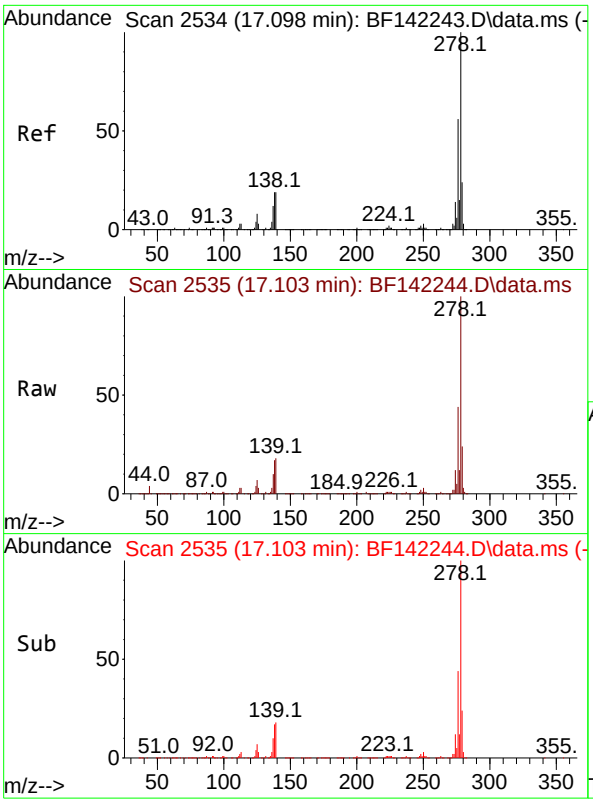


#90
Benzo(a)pyrene
Concen: 51.890 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:252 Resp: 996599

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	12.2	9.5	14.3

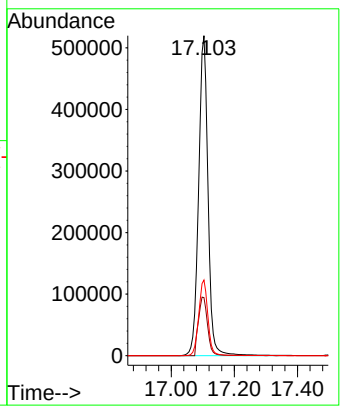




#91
Dibenzo(a,h)anthracene
Concen: 53.457 ng
RT: 17.103 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:278 Resp: 107324

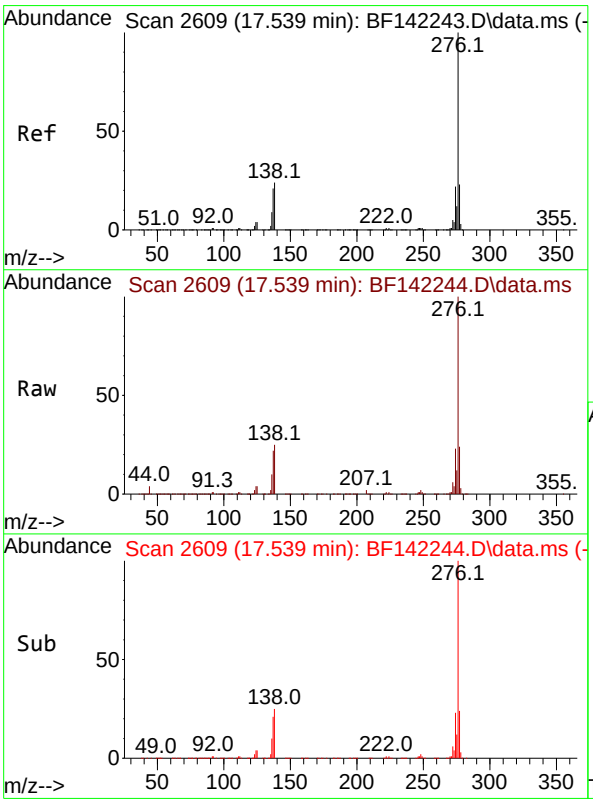
Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

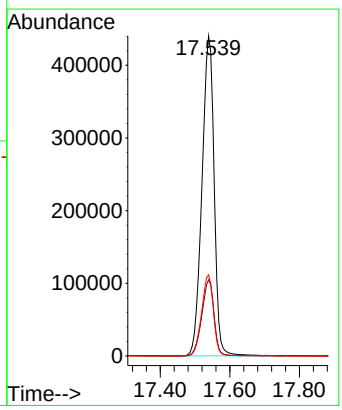
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 52.984 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BF142244.D
Acq: 30 Apr 2025 13:46

Tgt Ion:276 Resp: 1069402

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	25.3	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142245.D
Acq On : 30 Apr 2025 14:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 30 15:46:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	187963	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	730767	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	379270	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	624729	20.000	ng	0.00
76) Chrysene-d12	14.080	240	328990	20.000	ng	0.00
86) Perylene-d12	15.568	264	361305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1364962	115.976	ng	0.00
7) Phenol-d6	6.528	99	1663210	117.026	ng	0.00
23) Nitrobenzene-d5	7.475	82	1488103	133.783	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	447862	129.531	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2777485	103.255	ng	0.00
79) Terphenyl-d14	13.022	244	2546694	112.585	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	312897	59.528	ng	99
3) Pyridine	3.469	79	823442	60.277	ng	98
4) n-Nitrosodimethylamine	3.422	42	431685	61.063	ng	98
6) Aniline	6.575	93	1184649	58.890	ng	100
8) 2-Chlorophenol	6.693	128	740327	60.874	ng	99
9) Benzaldehyde	6.463	77	559766	56.352	ng	98
10) Phenol	6.545	94	903976m	59.085	ng	
11) bis(2-Chloroethyl)ether	6.646	93	693997	58.532	ng	99
12) 1,3-Dichlorobenzene	6.851	146	787463	57.236	ng	99
13) 1,4-Dichlorobenzene	6.928	146	791509	57.102	ng	99
14) 1,2-Dichlorobenzene	7.081	146	764397	57.765	ng	99
15) Benzyl Alcohol	7.045	79	609871	60.504	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.187	45	1249716	58.370	ng	100
17) 2-Methylphenol	7.151	107	592171	59.438	ng	99
18) Hexachloroethane	7.428	117	275661	60.761	ng	99
19) n-Nitroso-di-n-propyla...	7.328	70	506389	57.660	ng	100
20) 3+4-Methylphenols	7.310	107	730966	58.670	ng	94
22) Acetophenone	7.322	105	943225	55.792	ng	97
24) Nitrobenzene	7.498	77	708847	64.948	ng	99
25) Isophorone	7.734	82	1371824	58.764	ng	100
26) 2-Nitrophenol	7.810	139	299107	61.132	ng	97
27) 2,4-Dimethylphenol	7.840	122	691268	58.731	ng	100
28) bis(2-Chloroethoxy)met...	7.940	93	847188	57.543	ng	100
29) 2,4-Dichlorophenol	8.045	162	596890	60.658	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	628720	57.256	ng	100
31) Naphthalene	8.216	128	2026390	55.603	ng	99
32) Benzoic acid	7.951	122	349577	59.198	ng	99
33) 4-Chloroaniline	8.263	127	868158	57.207	ng	99
34) Hexachlorobutadiene	8.334	225	373284	58.266	ng	100
35) Caprolactam	8.639	113	186124	62.928	ng	94
36) 4-Chloro-3-methylphenol	8.734	107	605133	59.887	ng	99
37) 2-Methylnaphthalene	8.904	142	1257822	56.136	ng	99
38) 1-Methylnaphthalene	9.004	142	1294318	55.760	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	607614	56.925	ng	100
41) Hexachlorocyclopentadiene	9.063	237	407387	67.248	ng	100
43) 2,4,6-Trichlorophenol	9.181	196	433323	65.514	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142245.D
Acq On : 30 Apr 2025 14:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	422145	60.705	ng	98
46) 1,1'-Biphenyl	9.369	154	1632628	55.372	ng	100
47) 2-Chloronaphthalene	9.398	162	1234670	56.283	ng	99
48) 2-Nitroaniline	9.486	65	357897	60.490	ng	99
49) Acenaphthylene	9.810	152	2079452	56.175	ng	99
50) Dimethylphthalate	9.675	163	1395869	57.529	ng	100
51) 2,6-Dinitrotoluene	9.728	165	289353	60.986	ng	98
52) Acenaphthene	9.986	154	1219341	56.414	ng	99
53) 3-Nitroaniline	9.898	138	352271	61.278	ng	97
54) 2,4-Dinitrophenol	9.998	184	86520	61.133	ng	83
55) Dibenzofuran	10.157	168	1798627	55.513	ng	99
56) 4-Nitrophenol	10.045	139	261987	68.694	ng	98
57) 2,4-Dinitrotoluene	10.134	165	352001	60.964	ng	98
58) Fluorene	10.498	166	1348902	54.754	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	367314	63.765	ng	99
60) Diethylphthalate	10.369	149	1382905	57.717	ng	100
61) 4-Chlorophenyl-phenyle...	10.492	204	648920	55.466	ng	97
62) 4-Nitroaniline	10.516	138	319292	61.243	ng	99
63) Azobenzene	10.651	77	1362906	57.603	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	132189	60.646	ng	96
66) n-Nitrosodiphenylamine	10.610	169	1224189	57.351	ng	99
67) 4-Bromophenyl-phenylether	10.980	248	413069	59.371	ng	100
68) Hexachlorobenzene	11.045	284	457317	58.689	ng	99
69) Atrazine	11.133	200	340471	60.513	ng	99
70) Pentachlorophenol	11.233	266	270497	65.710	ng	98
71) Phenanthrene	11.463	178	1864413	55.249	ng	100
72) Anthracene	11.516	178	1920817	55.673	ng	100
73) Carbazole	11.663	167	1751538	55.651	ng	100
74) Di-n-butylphthalate	11.998	149	1852105	58.511	ng	100
75) Fluoranthene	12.651	202	1794425	53.793	ng	98
77) Benzidine	12.769	184	883568	63.206	ng	99
78) Pyrene	12.880	202	1809576	59.627	ng	99
80) Butylbenzylphthalate	13.498	149	516723	61.167	ng	99
81) Benzo(a)anthracene	14.069	228	1299270	58.829	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	444901	68.582	ng	99
83) Chrysene	14.104	228	1181729	58.781	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	712716	61.002	ng	99
85) Di-n-octyl phthalate	14.680	149	1329733	61.204	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	1614650	61.012	ng	100
88) Benzo(b)fluoranthene	15.127	252	1275552	56.836	ng	99
89) Benzo(k)fluoranthene	15.163	252	1202952	58.601	ng	99
90) Benzo(a)pyrene	15.510	252	1232454	59.982	ng	100
91) Dibenzo(a,h)anthracene	17.110	278	1292219	60.163	ng	99
92) Benzo(g,h,i)perylene	17.545	276	1315066	60.904	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142245.D
Acq On : 30 Apr 2025 14:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 30 15:46:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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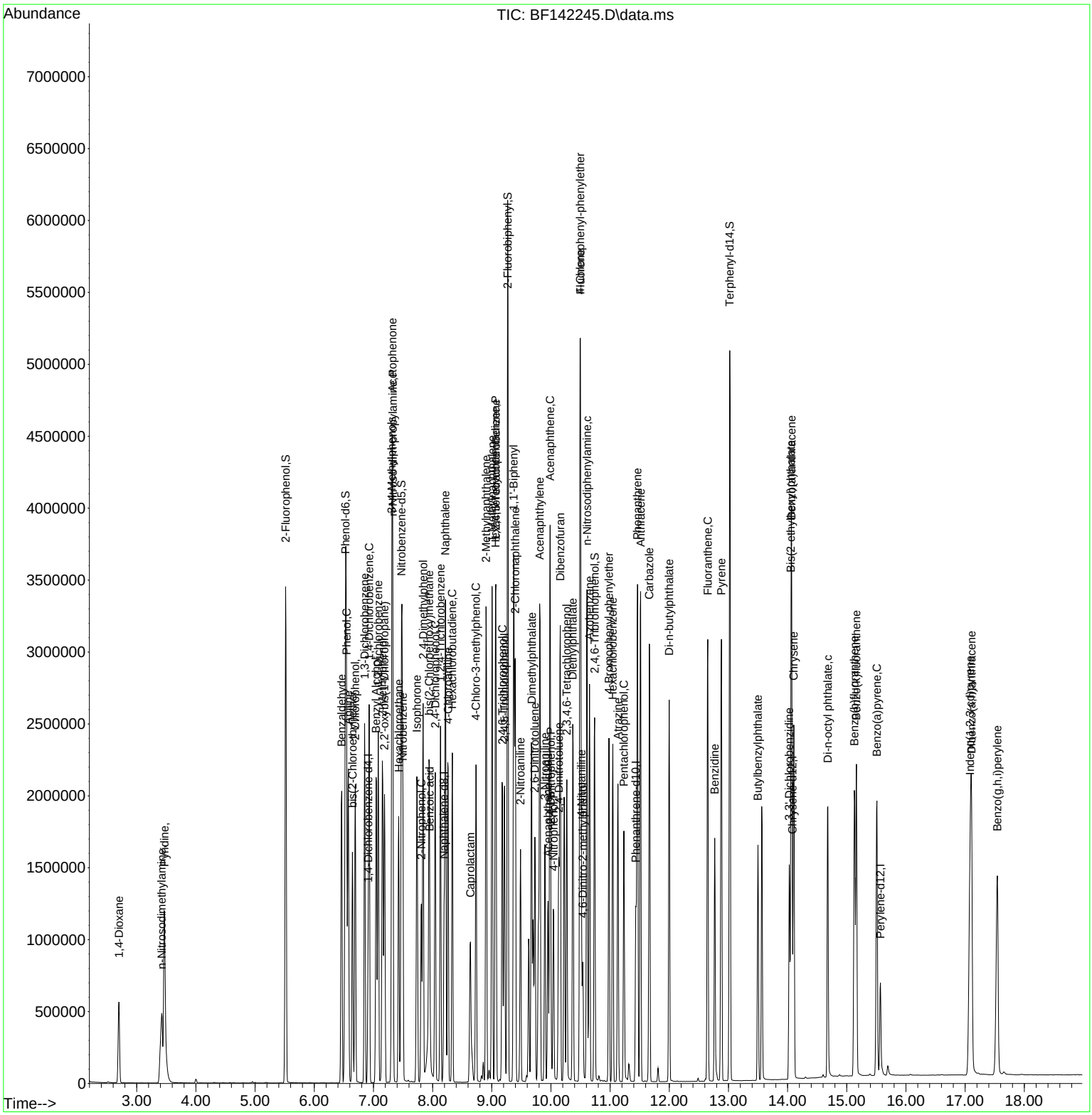
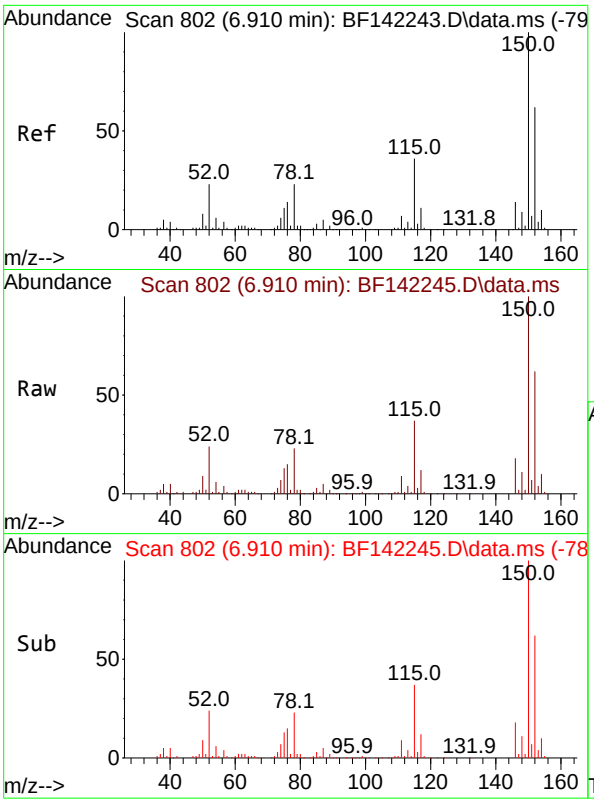
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

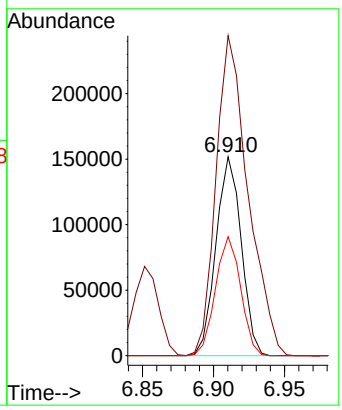




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:152 Resp: 18796

Ion	Ratio	Lower	Upper
152	100		
150	160.9	130.2	195.2
115	59.8	47.0	70.4



Instrument :
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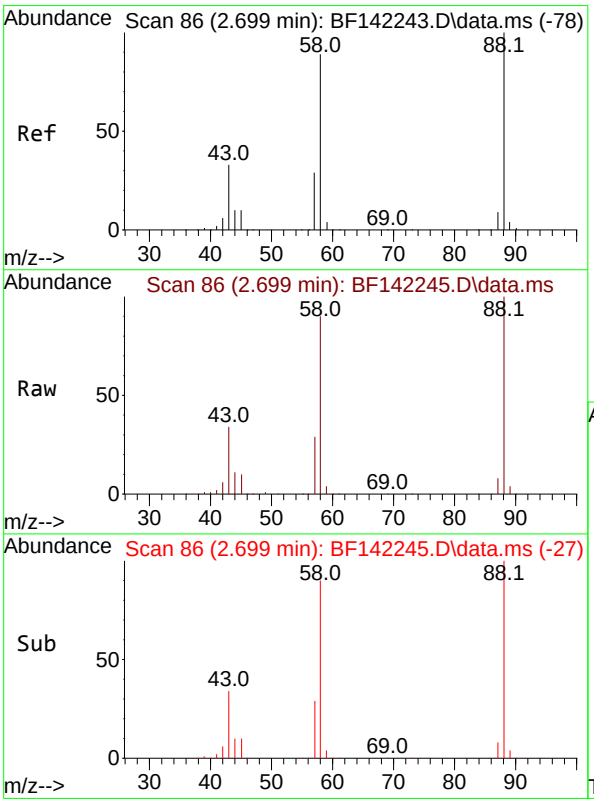
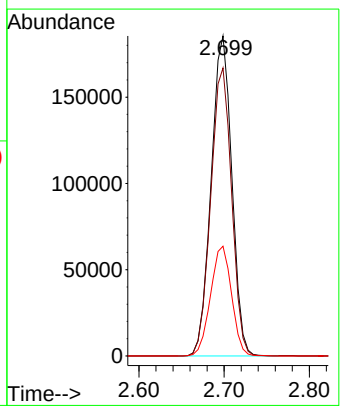
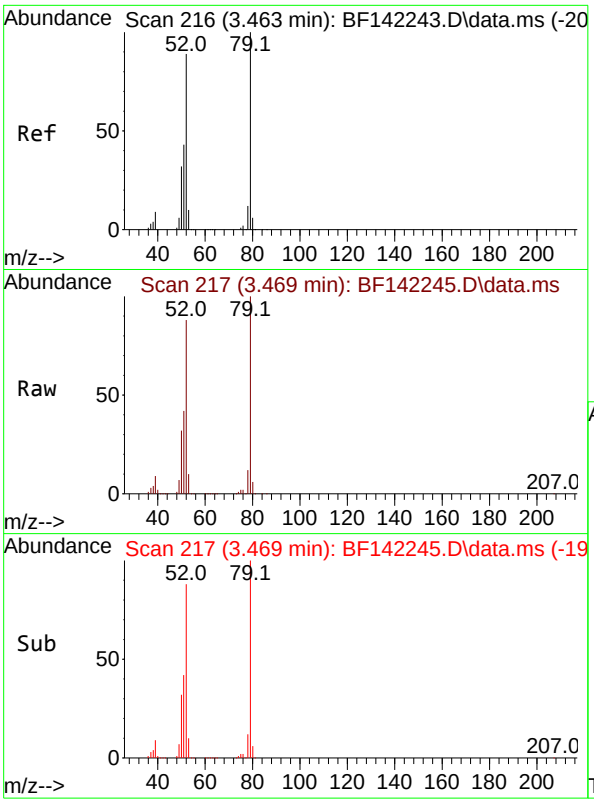


#2
1,4-Dioxane
Concen: 59.528 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 88 Resp: 312897

Ion	Ratio	Lower	Upper
88	100		
58	90.8	72.2	108.2
43	35.0	27.0	40.6

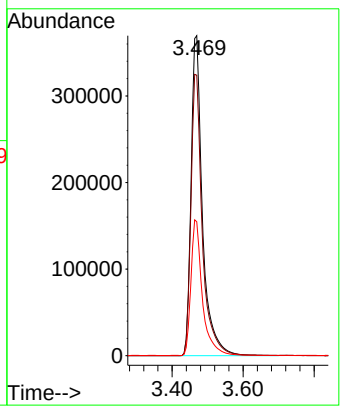




#3
Pyridine
Concen: 60.277 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 79 Resp: 82344

Ion	Ratio	Lower	Upper
79	100		
52	87.7	71.5	107.3
51	41.9	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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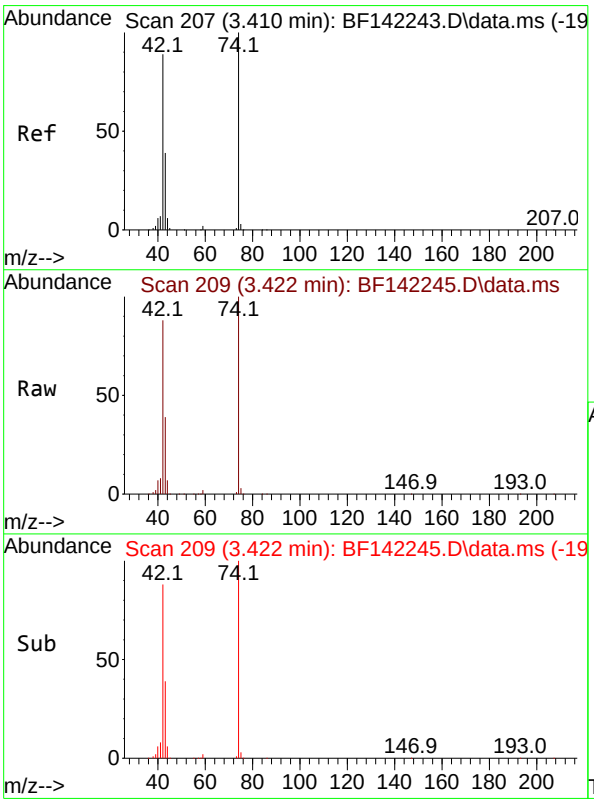
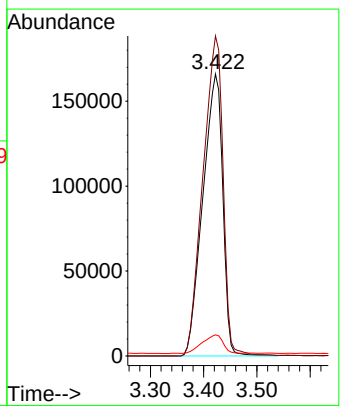
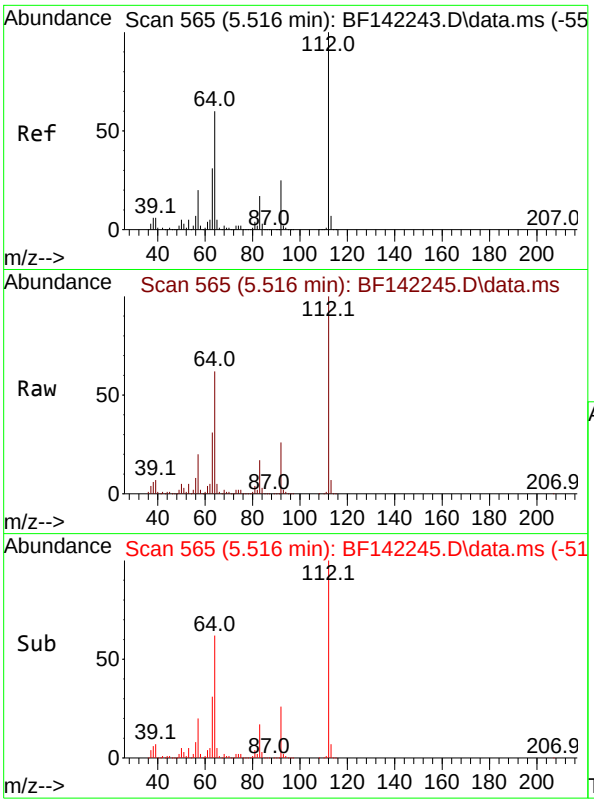


#4
n-Nitrosodimethylamine
Concen: 61.063 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.012 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 42 Resp: 431685

Ion	Ratio	Lower	Upper
42	100		
74	113.5	89.5	134.3
44	7.5	6.6	9.8





#5
2-Fluorophenol
Concen: 115.976 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:112 Resp: 136496

Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.4	72.6
63	31.5	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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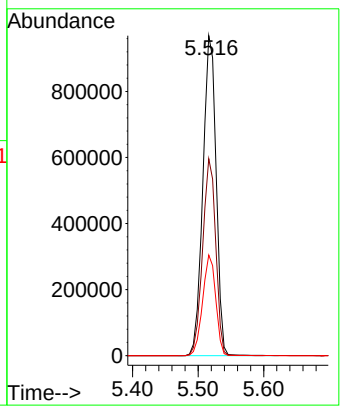
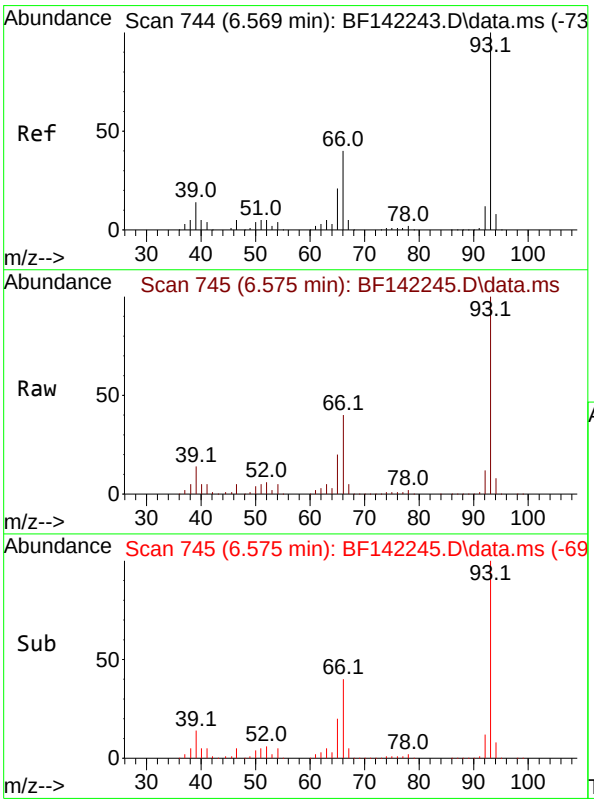
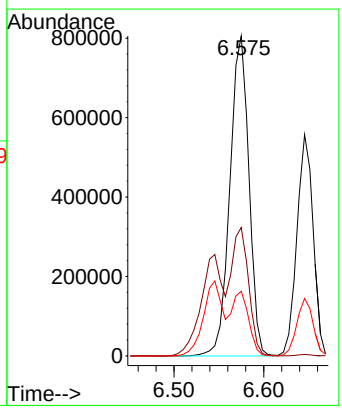


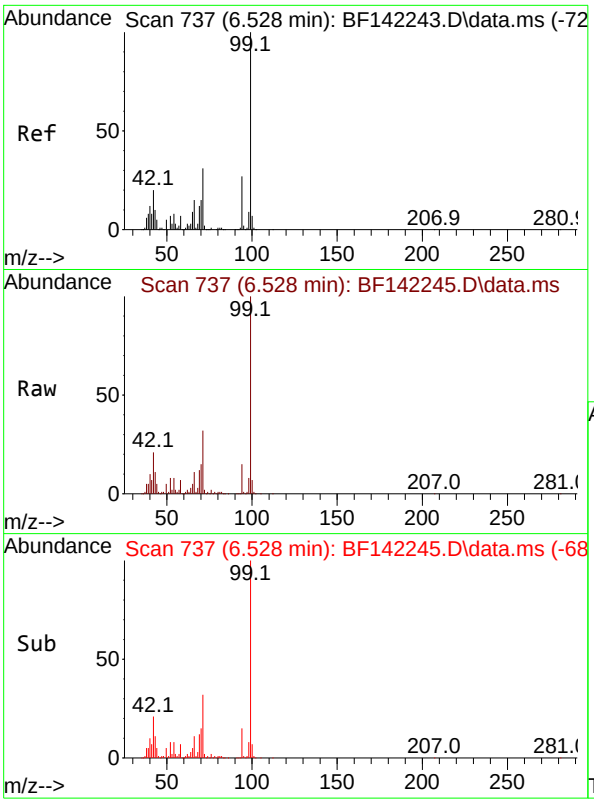


#6
Aniline
Concen: 58.890 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 93 Resp: 1184649

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.1	48.1
65	20.2	16.6	24.8





#7
Phenol-d6
Concen: 117.026 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 99 Resp: 166321

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.3	24.5
71	32.3	25.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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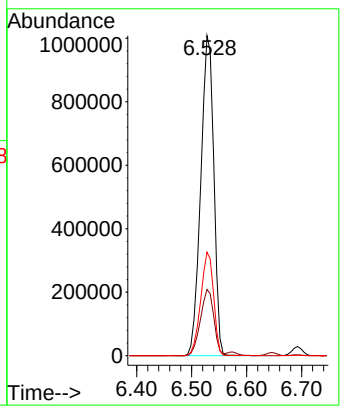
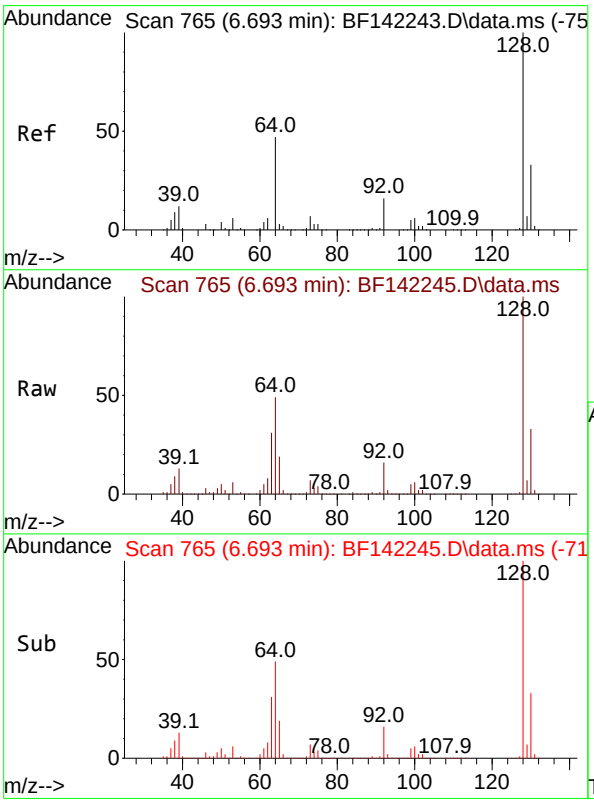
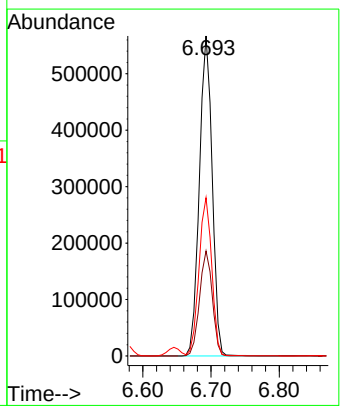


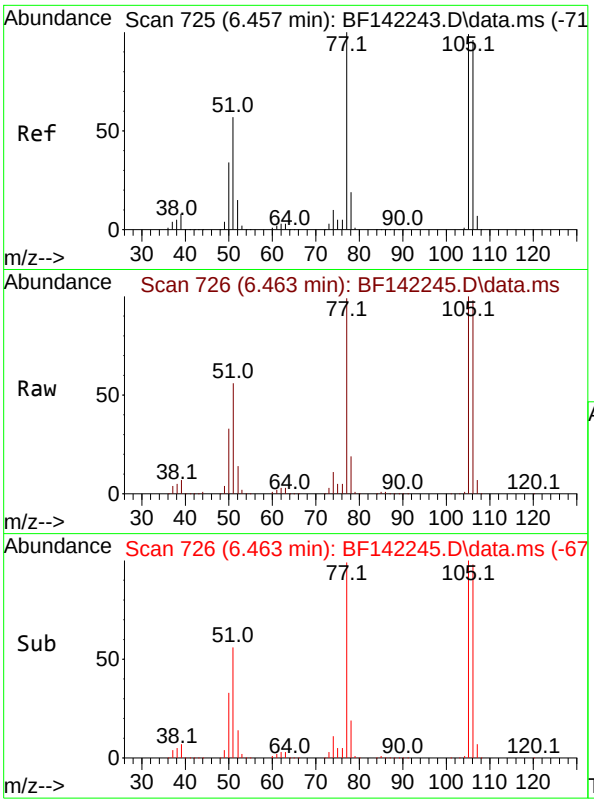


#8
2-Chlorophenol
Concen: 60.874 ng
RT: 6.693 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:128 Resp: 740327

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.1	53.1
64	49.4	28.6	68.6

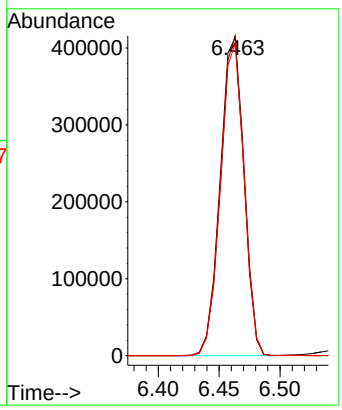




#9
Benzaldehyde
Concen: 56.352 ng
RT: 6.463 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 77 Resp: 55976

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.1	119.1
106	98.1	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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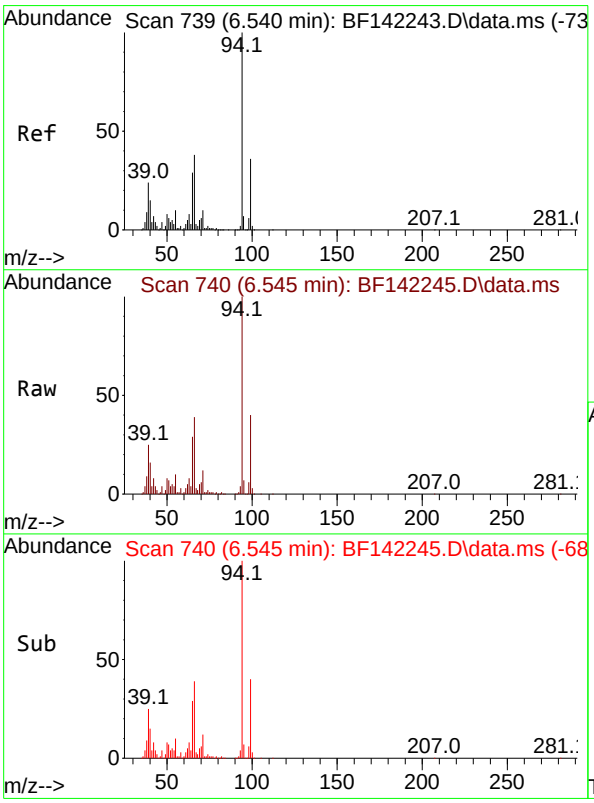
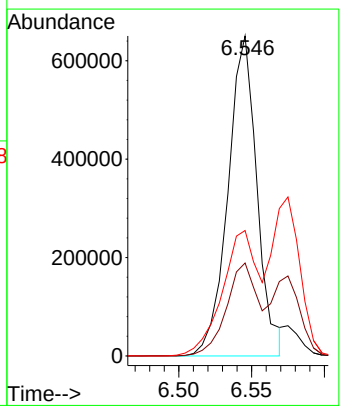
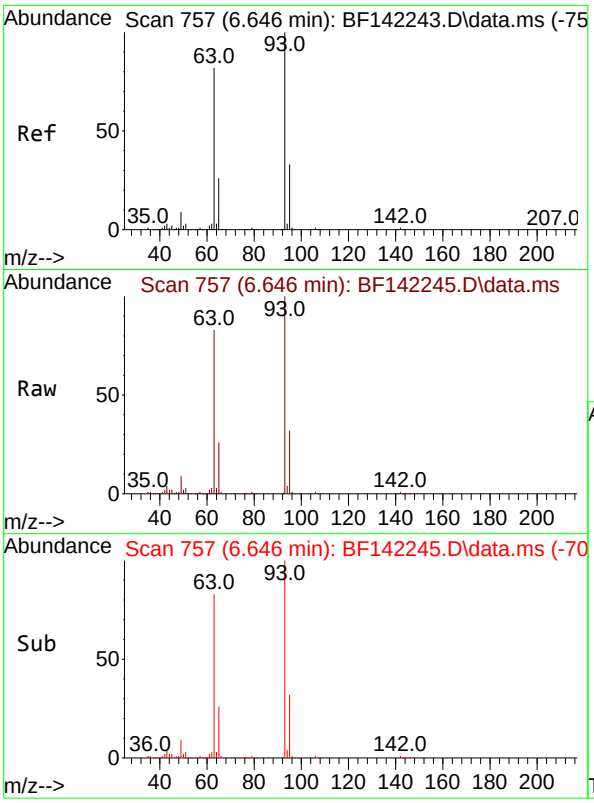


#10
Phenol
Concen: 59.085 ng m
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 94 Resp: 903976

Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.9	48.9
66	39.2	18.7	58.7

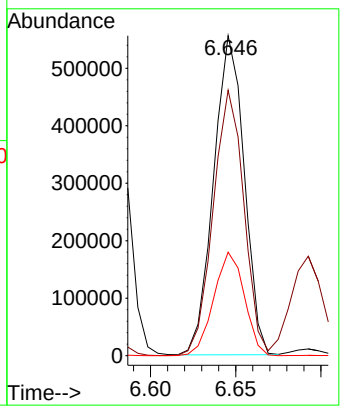




#11
bis(2-Chloroethyl)ether
Concen: 58.532 ng
RT: 6.646 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 93 Resp: 69399

Ion	Ratio	Lower	Upper
93	100		
63	83.0	62.2	102.2
95	32.3	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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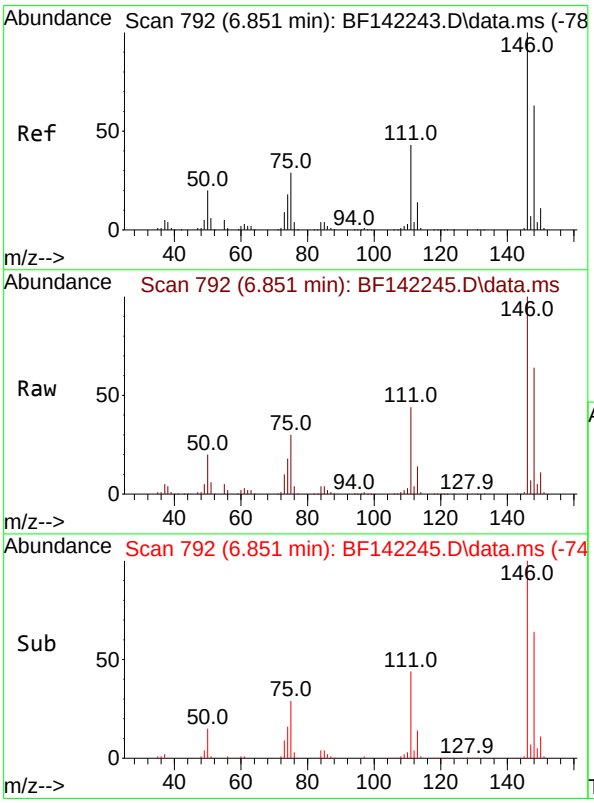
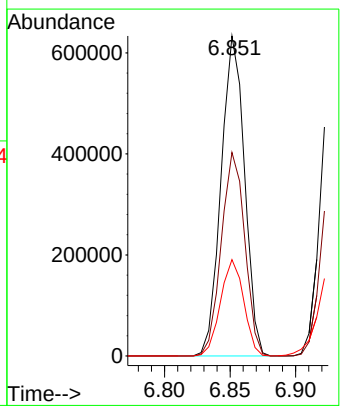
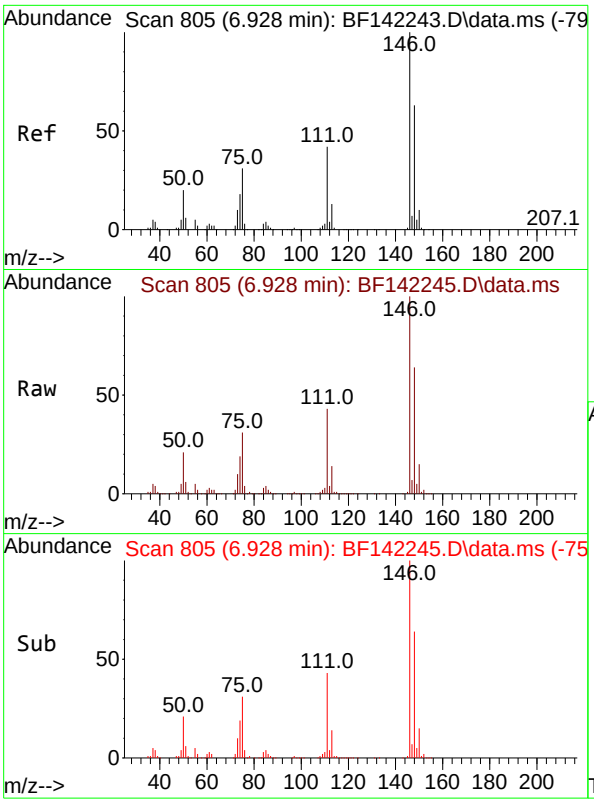


#12
1,3-Dichlorobenzene
Concen: 57.236 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:146 Resp: 787463

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	30.1	23.2	34.8

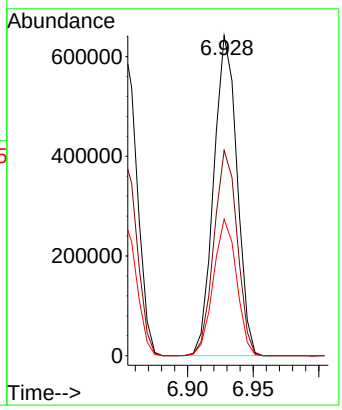




#13
1,4-Dichlorobenzene
Concen: 57.102 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:146 Resp: 79150

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	42.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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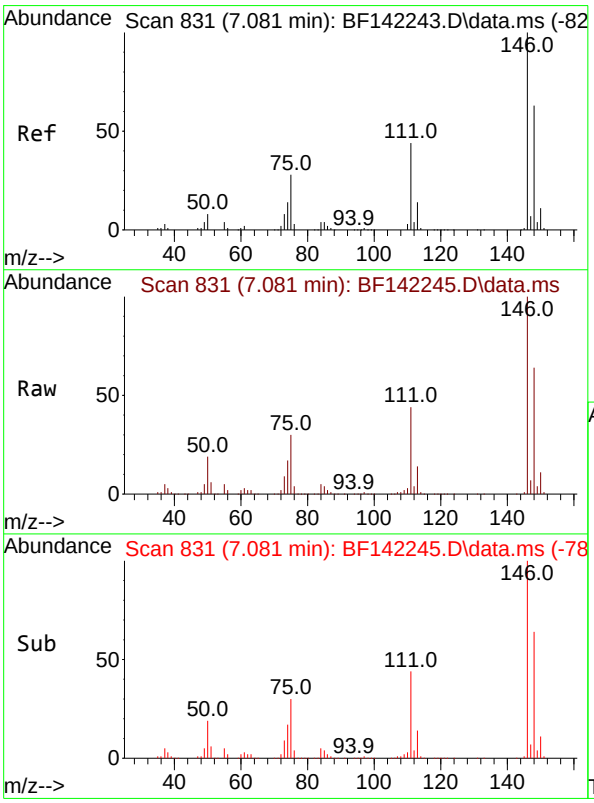
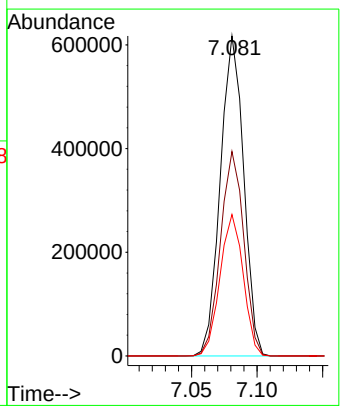
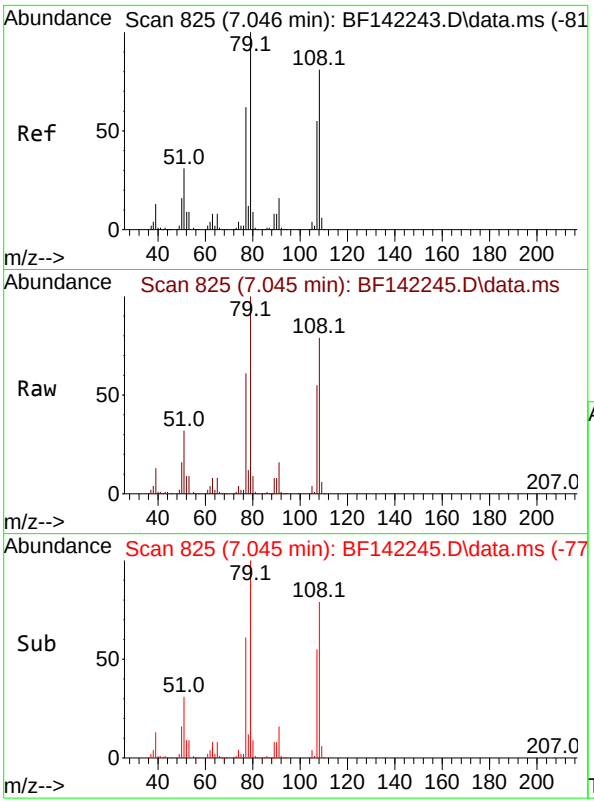


#14
1,2-Dichlorobenzene
Concen: 57.765 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:146 Resp: 764397

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	44.2	34.9	52.3

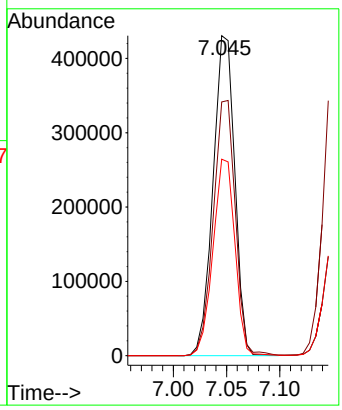




#15
Benzyl Alcohol
Concen: 60.504 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 79 Resp: 60987

Ion	Ratio	Lower	Upper
79	100		
108	79.3	64.5	96.7
77	61.4	49.2	73.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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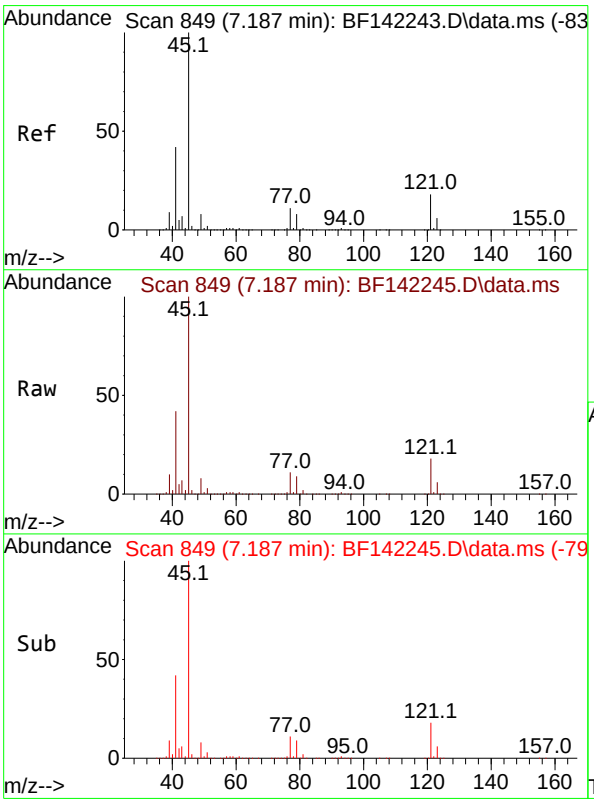
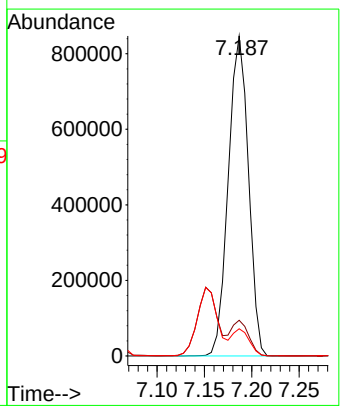
Supervised By :Jagrut Upadhyay 05/01/2025

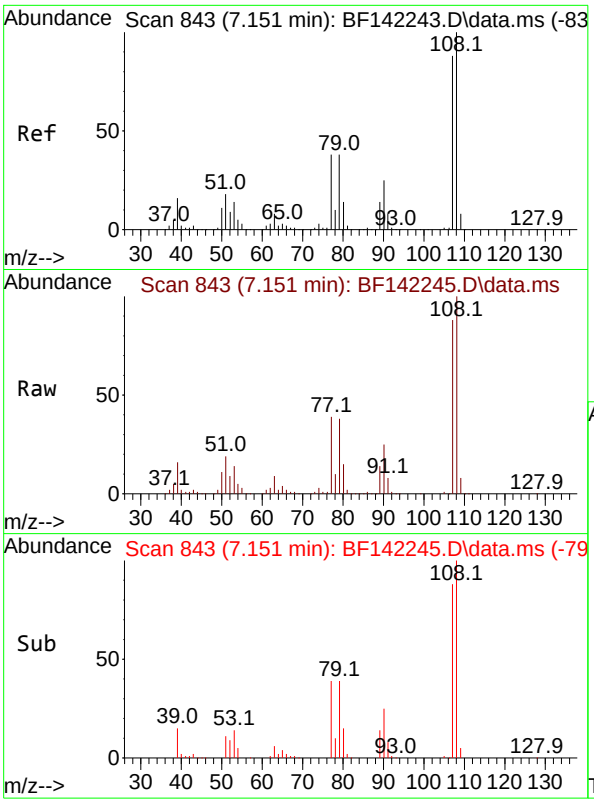


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.370 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 45 Resp: 1249716

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.3
79	8.5	0.0	28.5

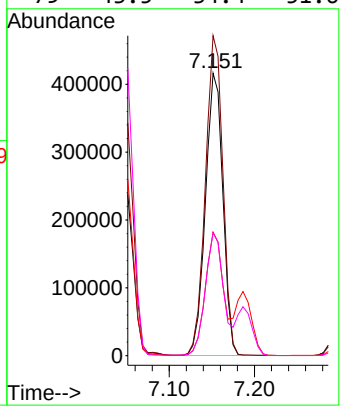




#17
2-Methylphenol
Concen: 59.438 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:107 Resp: 59217

Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.0	136.4
77	43.7	34.4	51.6
79	43.5	34.4	51.6



Instrument :
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ClientSampleId :
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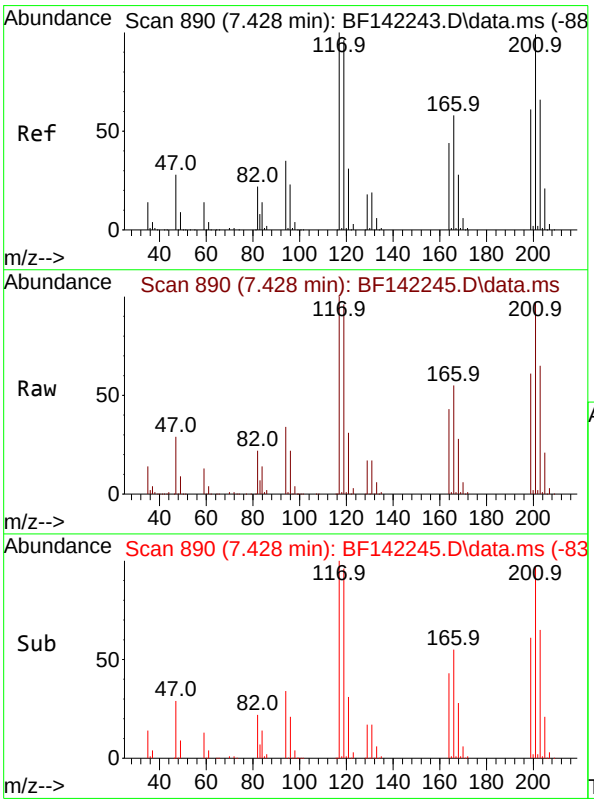
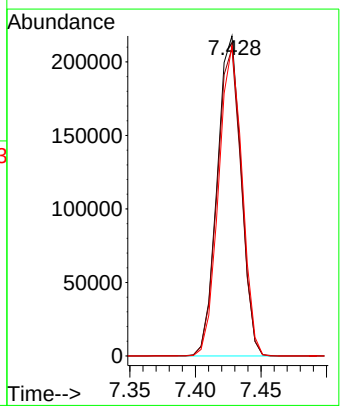
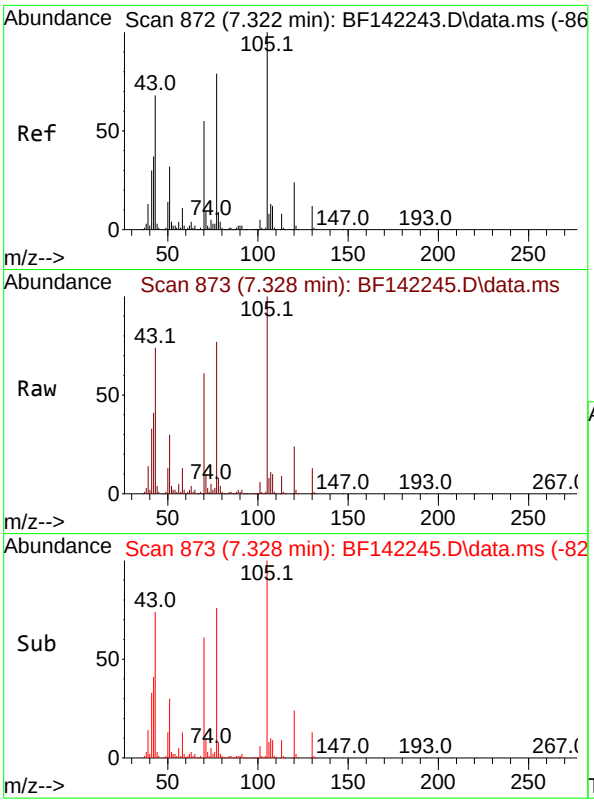


#18
Hexachloroethane
Concen: 60.761 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:117 Resp: 275661

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
201	97.0	79.4	119.2

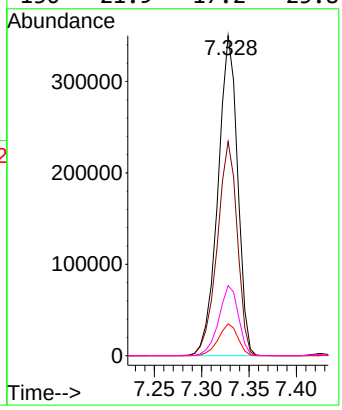




#19
n-Nitroso-di-n-propylamine
Concen: 57.660 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 70 Resp: 50638

Ion	Ratio	Lower	Upper
70	100		
42	66.9	53.4	80.2
101	10.0	7.7	11.5
130	21.9	17.2	25.8



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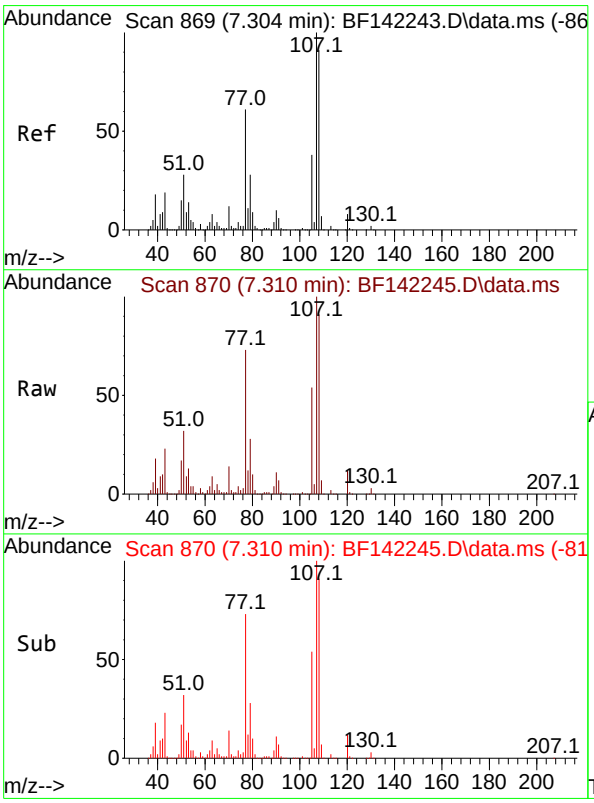
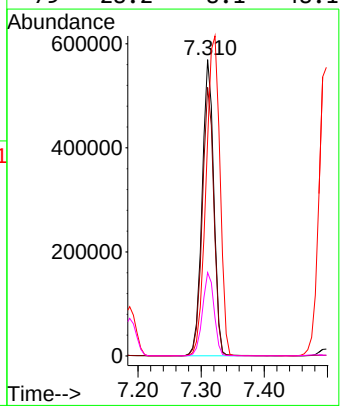
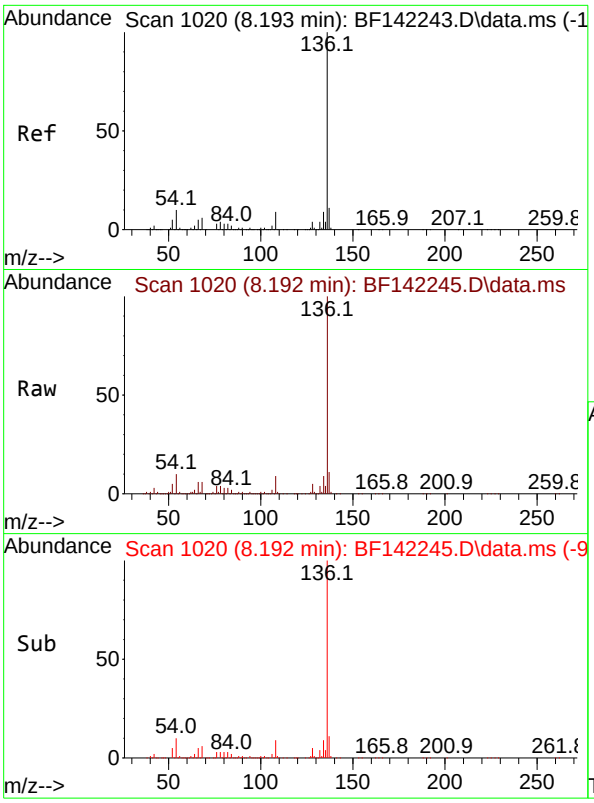


#20
3+4-Methylphenols
Concen: 58.670 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:107 Resp: 730966

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.2	111.2
77	73.0	41.1	81.1
79	28.2	8.1	48.1

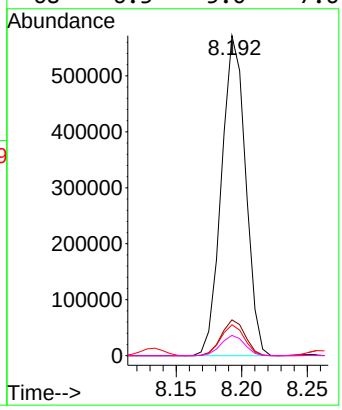




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:136 Resp: 73076

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



Instrument :
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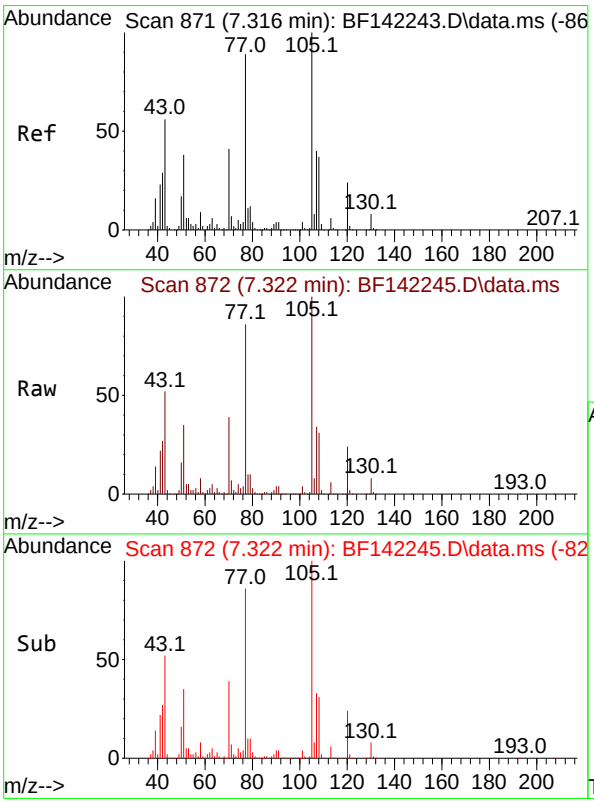
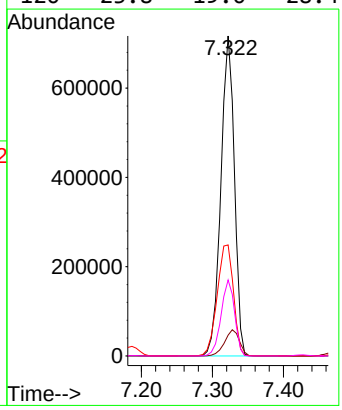
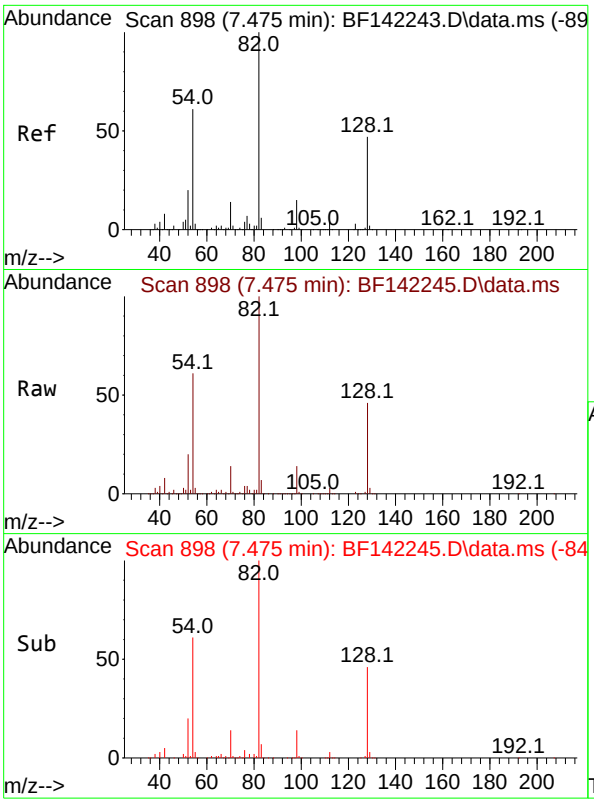


#22
Acetophenone
Concen: 55.792 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:105 Resp: 943225

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.7	8.5
51	34.7	30.1	45.1
120	23.8	19.0	28.4





#23
Nitrobenzene-d5
Concen: 133.783 ng
RT: 7.475 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 82 Resp: 148810

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.6
54	60.6	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
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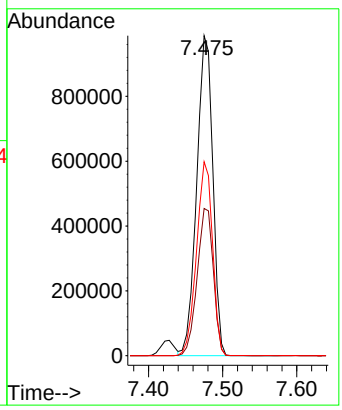
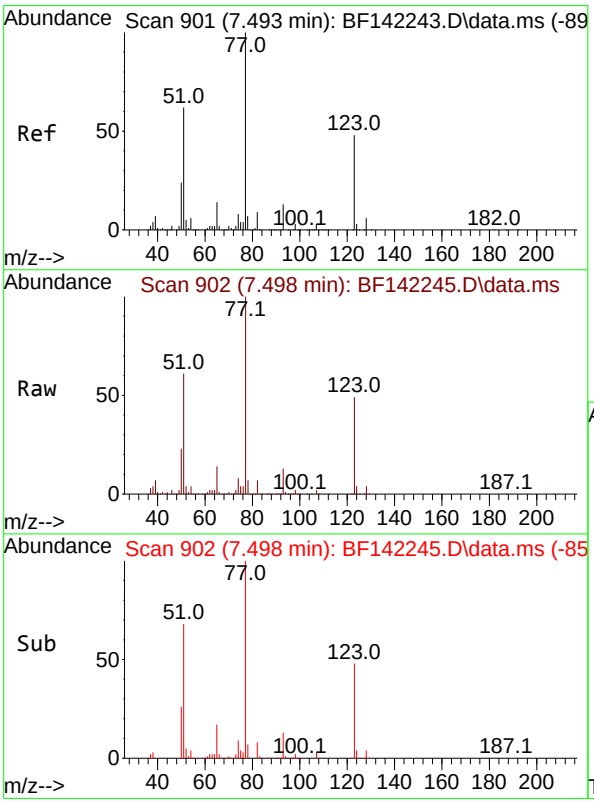
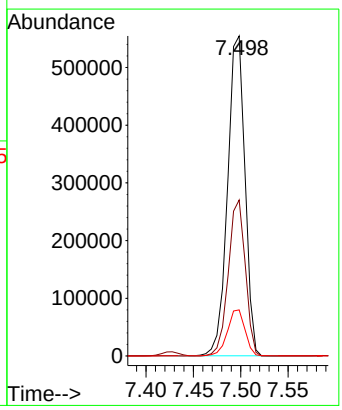


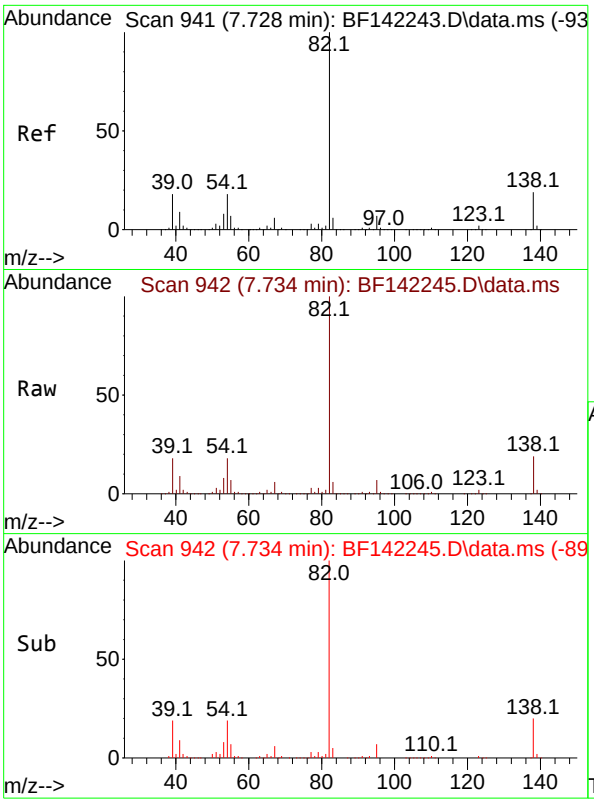


#24
Nitrobenzene
Concen: 64.948 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 77 Resp: 708847

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	14.4	11.5	17.3





#25
Isophorone
Concen: 58.764 ng
RT: 7.734 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 82 Resp: 137182

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.2	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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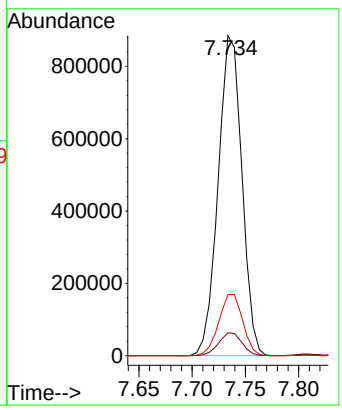
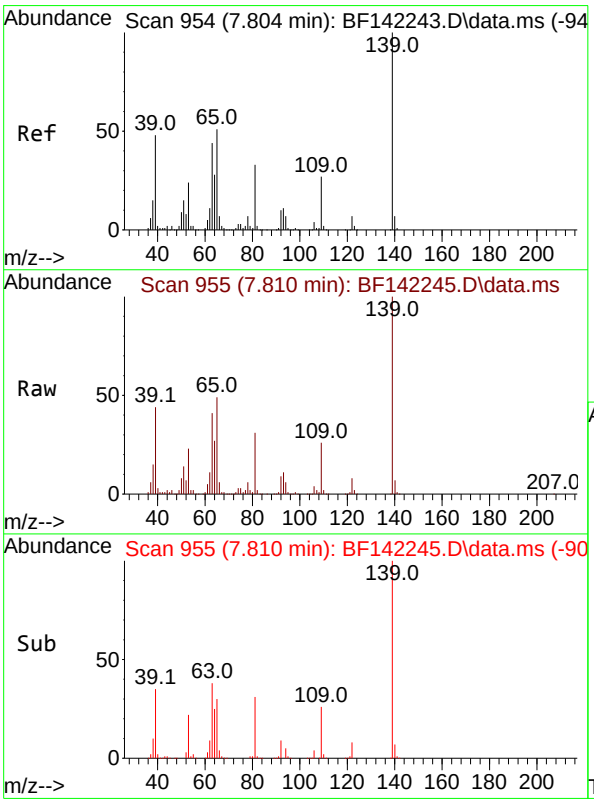
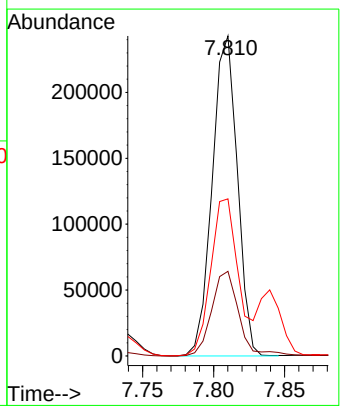


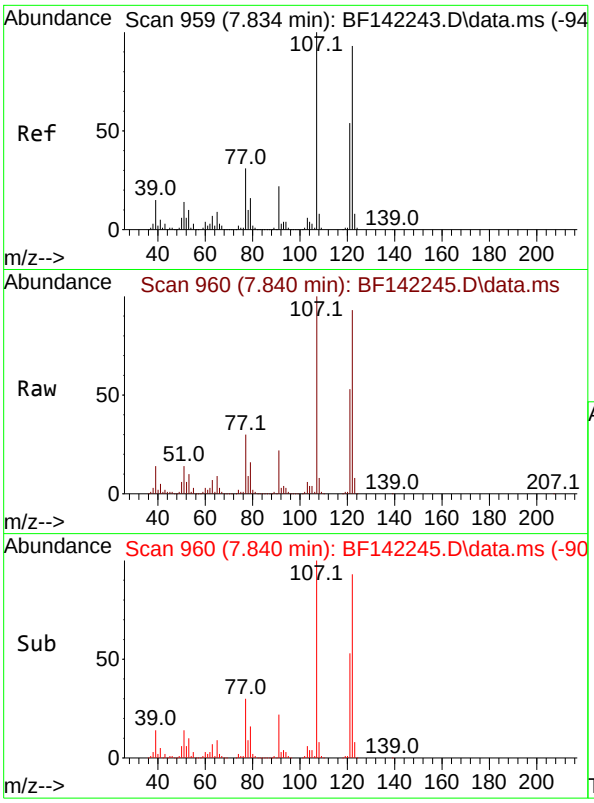


#26
2-Nitrophenol
Concen: 61.132 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:139 Resp: 299107

Ion	Ratio	Lower	Upper
139	100		
109	26.5	21.8	32.8
65	49.1	41.1	61.7

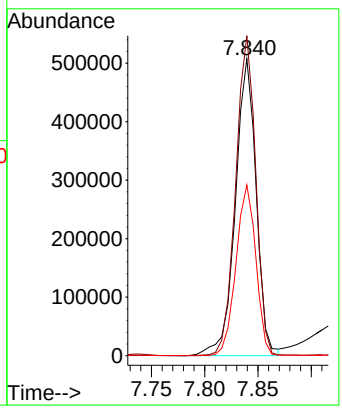




#27
2,4-Dimethylphenol
Concen: 58.731 ng
RT: 7.840 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:122 Resp: 69126

Ion	Ratio	Lower	Upper
122	100		
107	107.8	86.0	129.0
121	57.5	46.3	69.5



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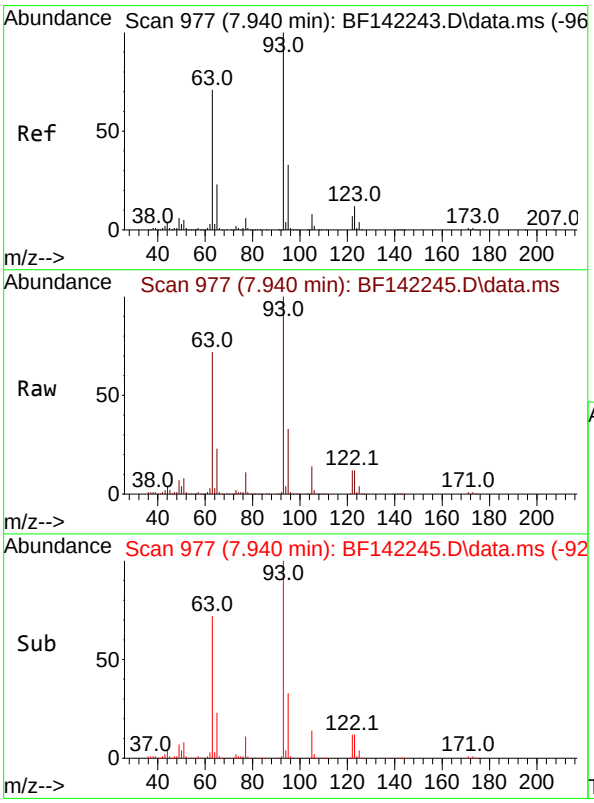
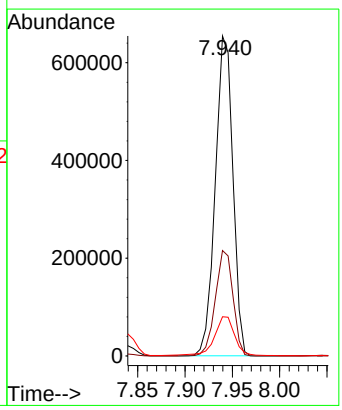
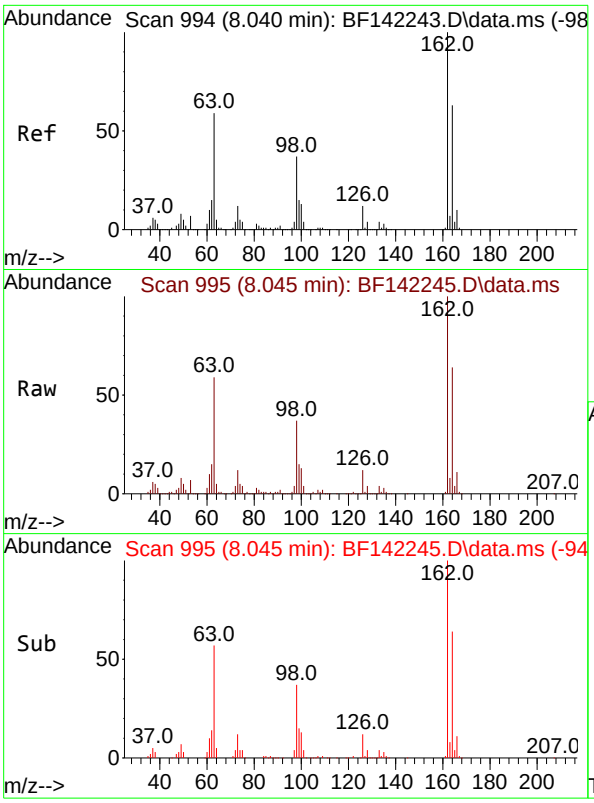


#28
bis(2-Chloroethoxy)methane
Concen: 57.543 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 93 Resp: 847188

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	12.3	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 60.658 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:162 Resp: 59689

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.0	83.0
98	36.7	16.7	56.7

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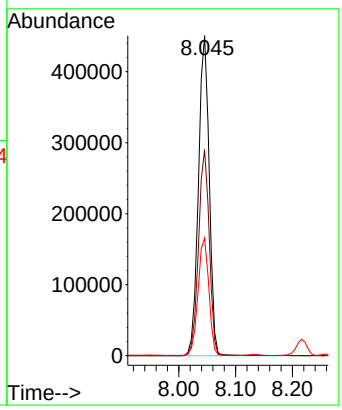
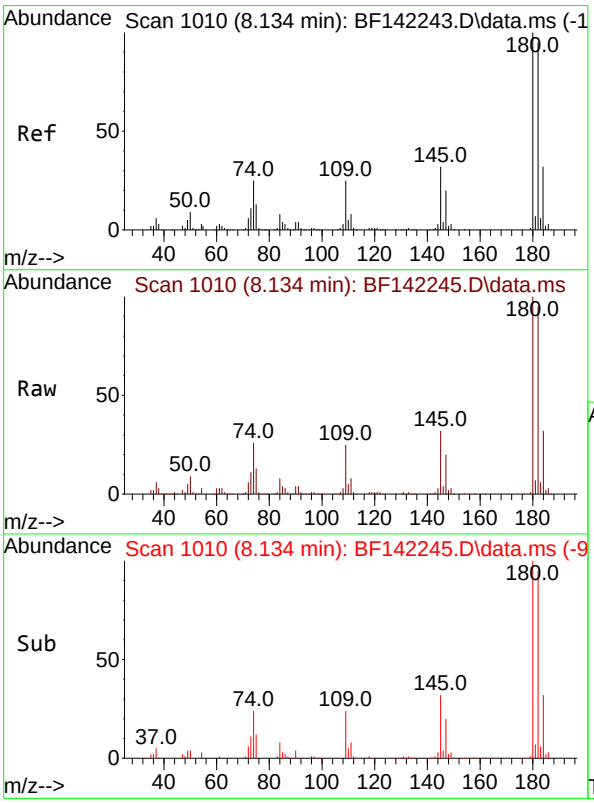
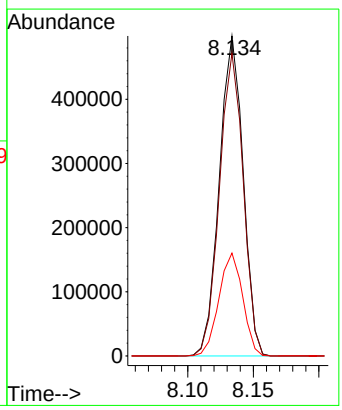


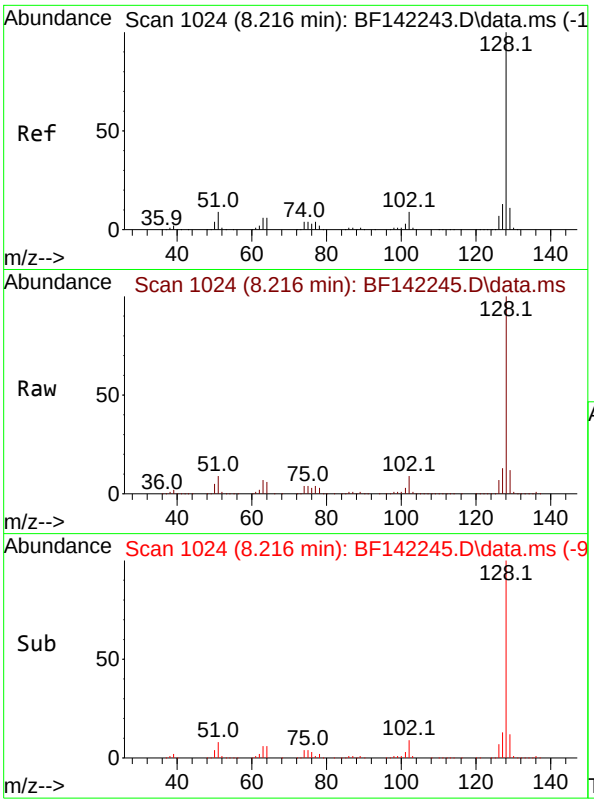


#30
1,2,4-Trichlorobenzene
Concen: 57.256 ng
RT: 8.134 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:180 Resp: 628720

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.7	113.5
145	32.1	25.4	38.0

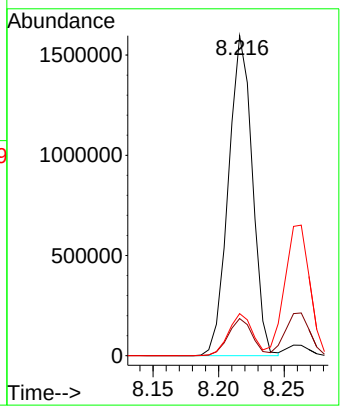




#31
Naphthalene
Concen: 55.603 ng
RT: 8.216 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:128 Resp: 202639(

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.4
127	13.2	10.6	15.8



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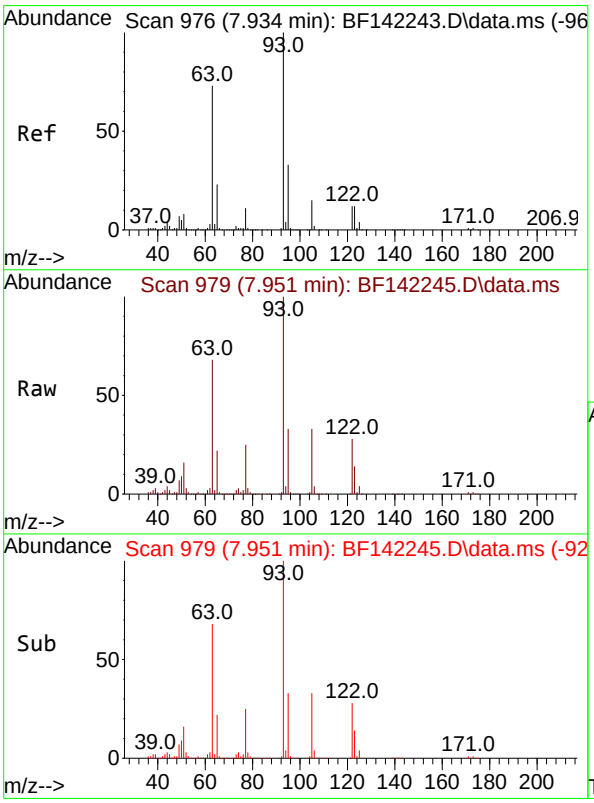
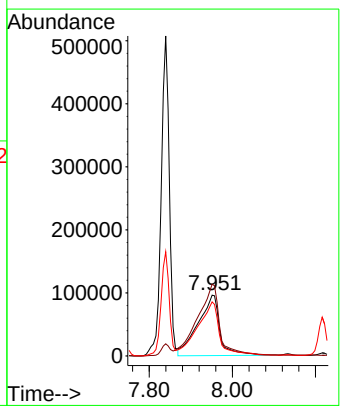
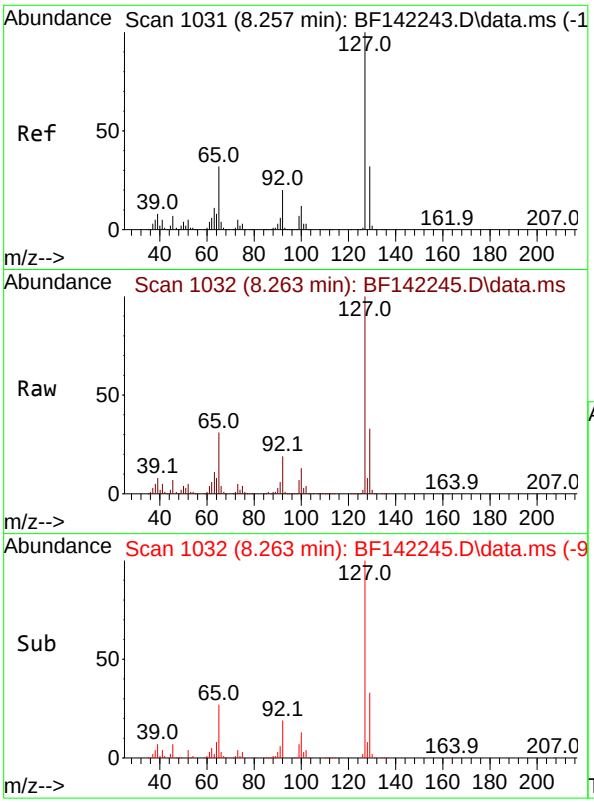


#32
Benzoic acid
Concen: 59.198 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.017 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:122 Resp: 349577

Ion	Ratio	Lower	Upper
122	100		
105	118.0	98.2	138.2
77	88.8	66.8	106.8

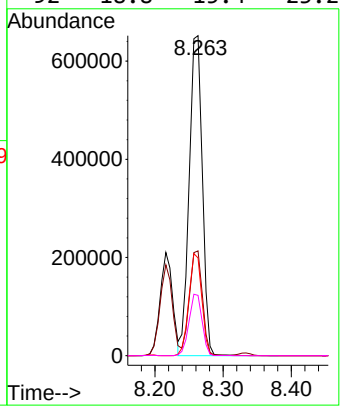




#33
4-Chloroaniline
Concen: 57.207 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:127 Resp: 86815

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	30.5	25.5	38.3
92	18.8	15.4	23.2



Instrument :
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ClientSampleId :
SSTDICC060

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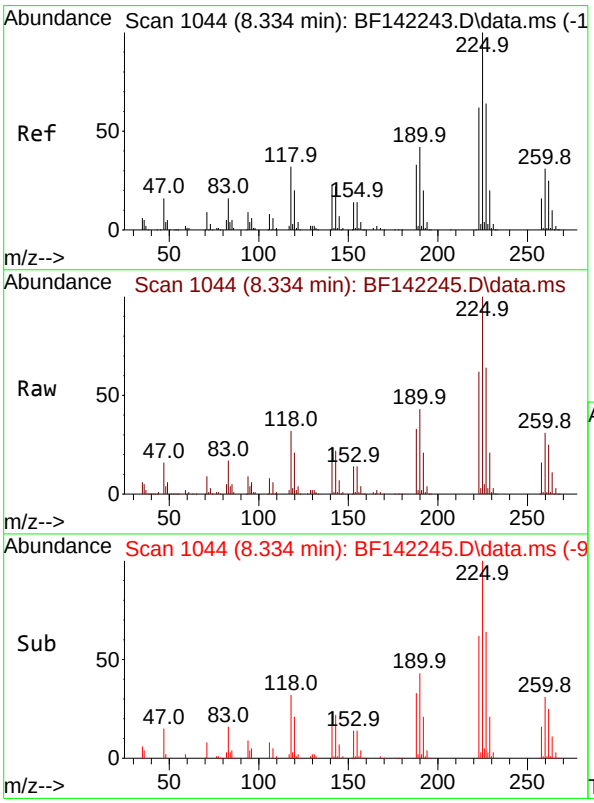
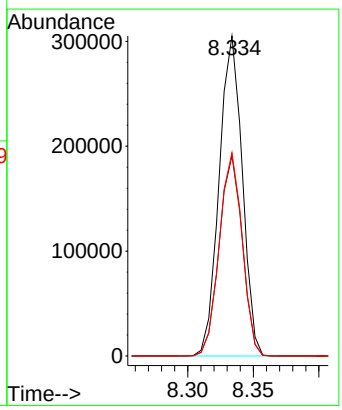
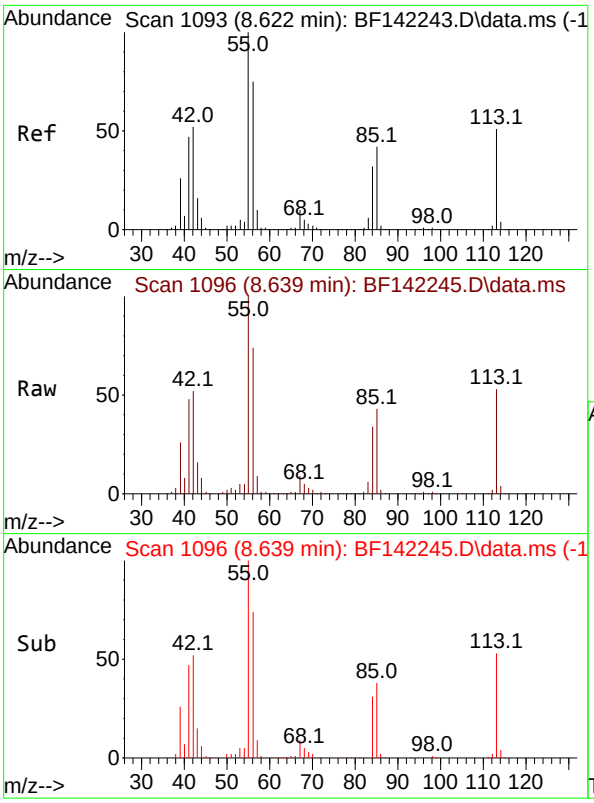


#34
Hexachlorobutadiene
Concen: 58.266 ng
RT: 8.334 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:225 Resp: 373284

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	63.6	51.0	76.4

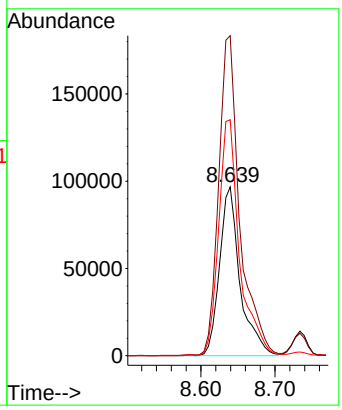




#35
Caprolactam
Concen: 62.928 ng
RT: 8.639 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:113 Resp: 18612

Ion	Ratio	Lower	Upper
113	100		
55	189.5	177.7	217.7
56	139.8	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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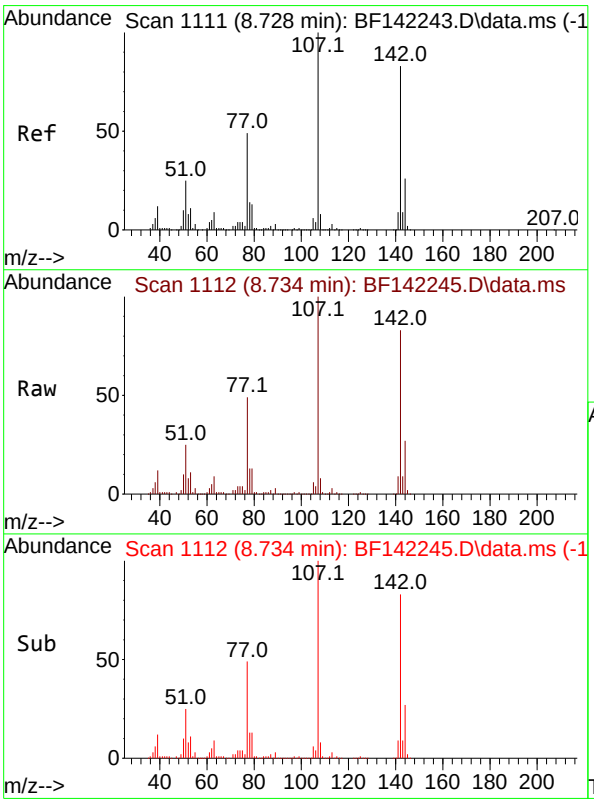
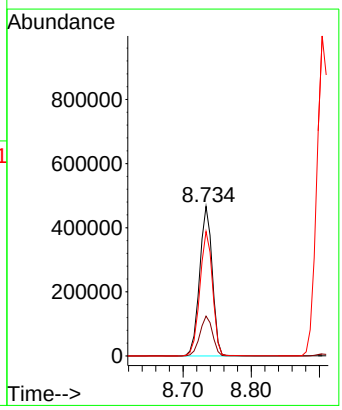
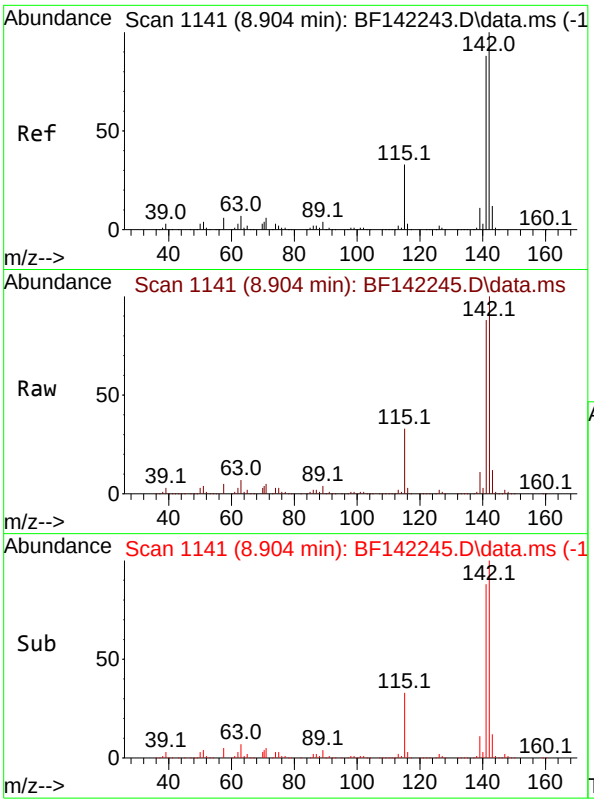


#36
4-Chloro-3-methylphenol
Concen: 59.887 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:107 Resp: 605133

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.0	31.4
142	83.2	66.1	99.1

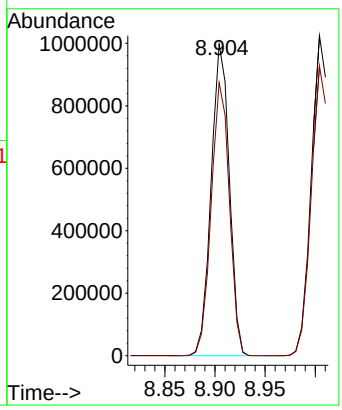




#37
2-Methylnaphthalene
Concen: 56.136 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:142 Resp: 125782

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7



Instrument :
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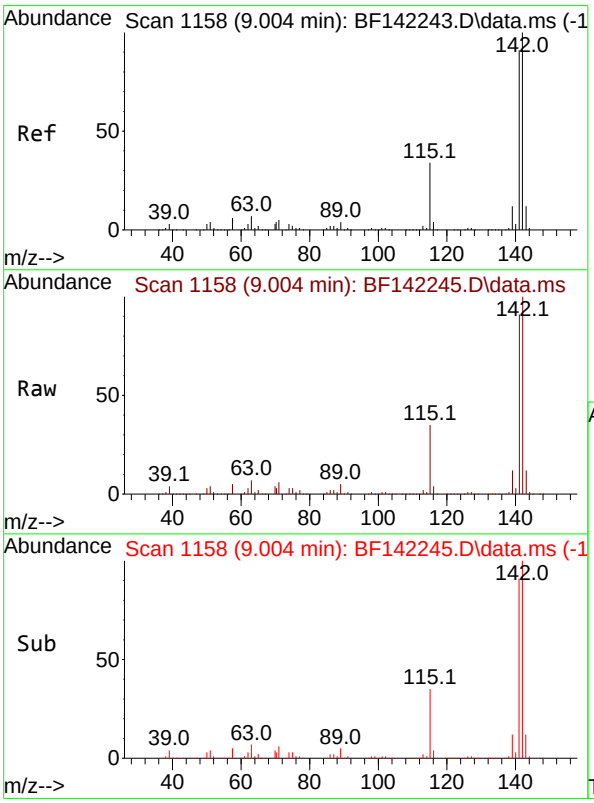
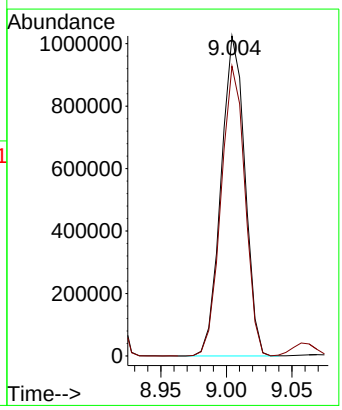
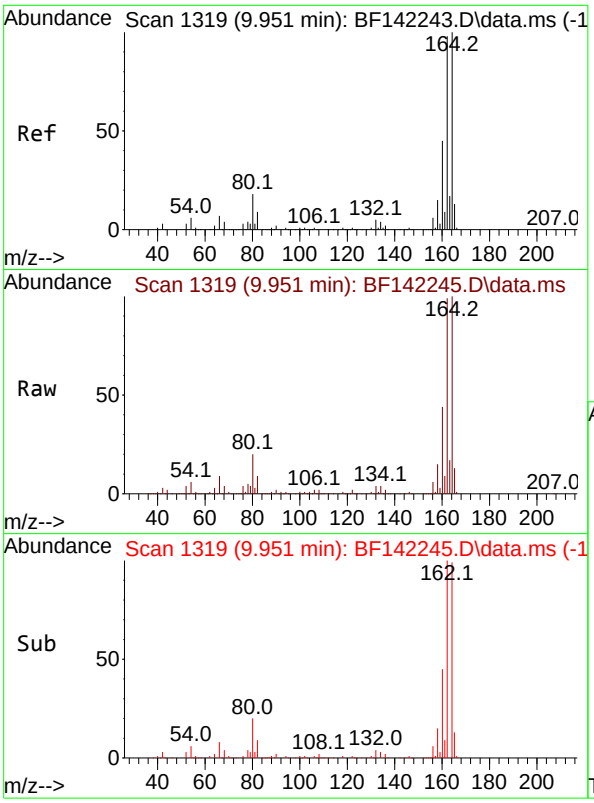


#38
1-Methylnaphthalene
Concen: 55.760 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:142 Resp: 1294318

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.8	109.2

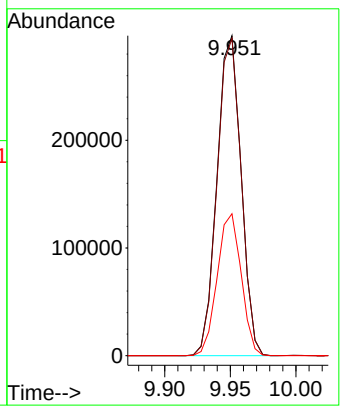




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:164 Resp: 37927

Ion	Ratio	Lower	Upper
164	100		
162	99.2	78.6	117.8
160	44.3	35.7	53.5



Instrument :
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ClientSampleId :
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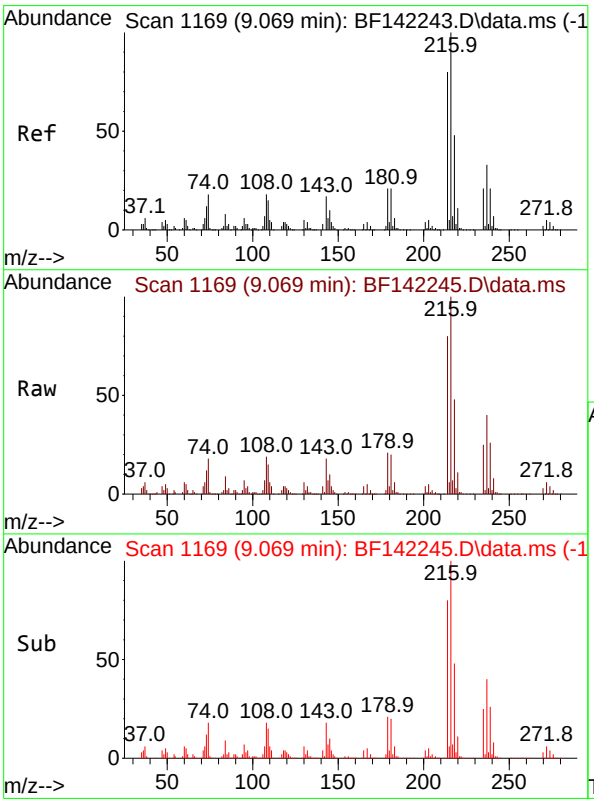
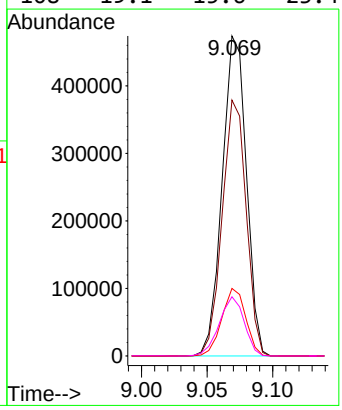
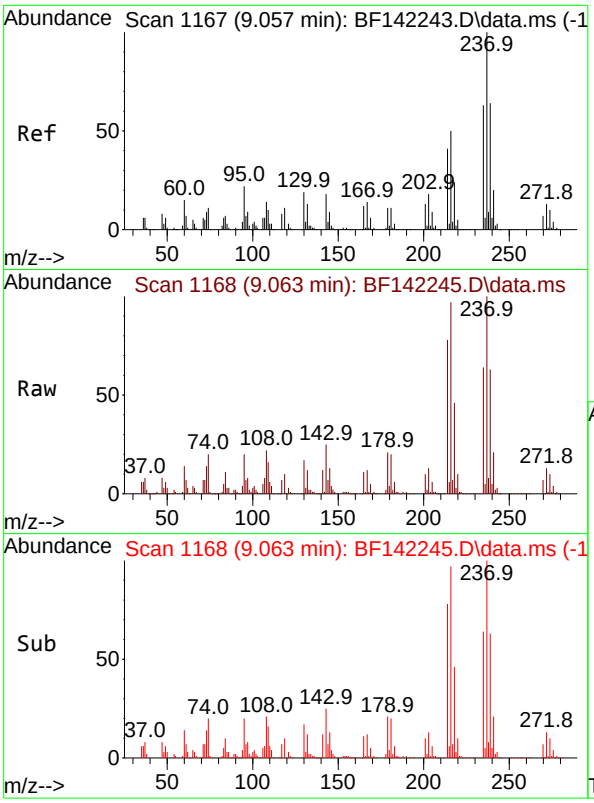


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.925 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:216 Resp: 607614

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.6
179	20.9	16.7	25.1
108	19.1	15.6	23.4

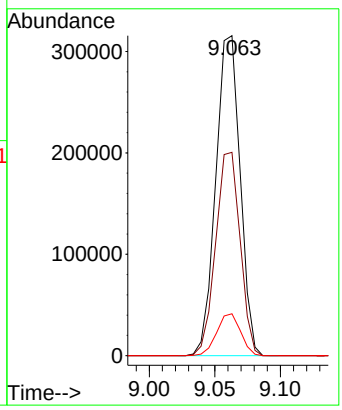




#41
Hexachlorocyclopentadiene
Concen: 67.248 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:237 Resp: 40738

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.5	83.5
272	13.1	0.0	32.9



Instrument :
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ClientSampleId :
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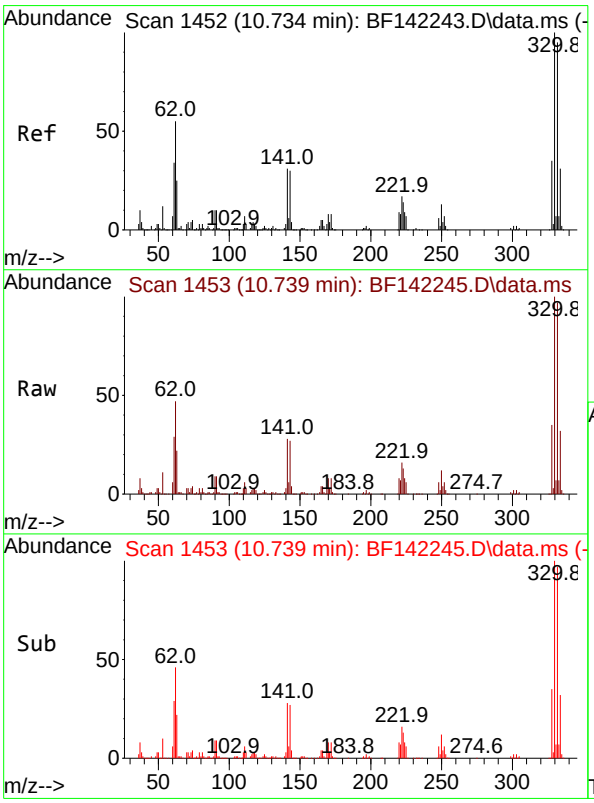
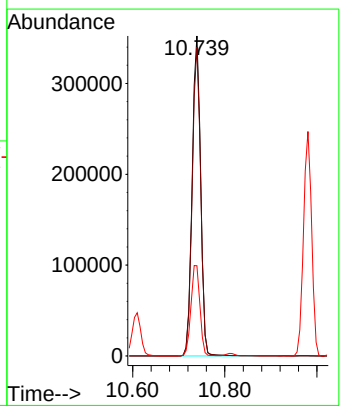
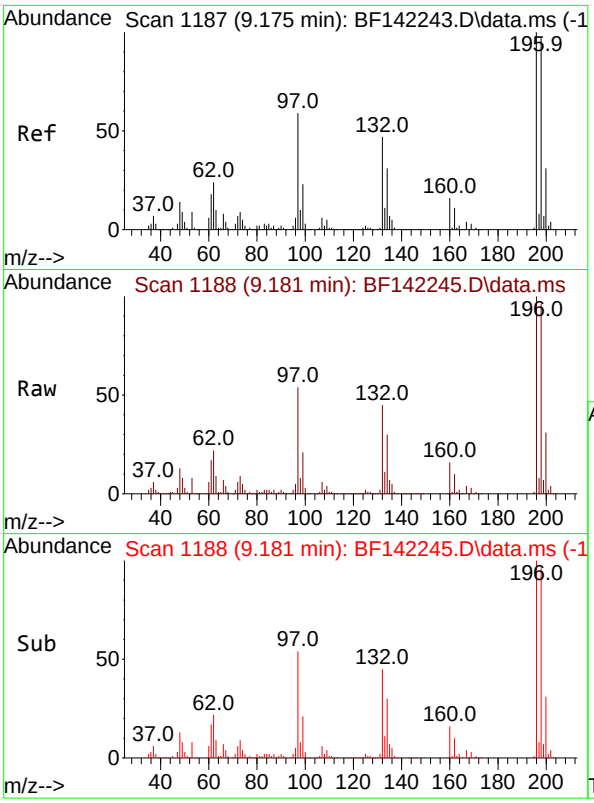


#42
2,4,6-Tribromophenol
Concen: 129.531 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:330 Resp: 447862

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.5	114.7
141	29.9	24.3	36.5

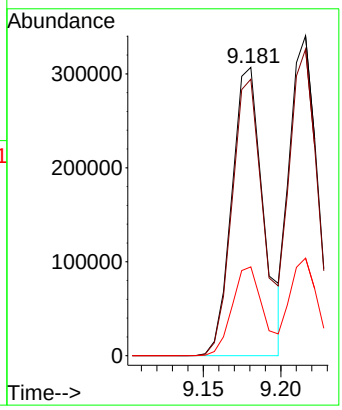




#43
2,4,6-Trichlorophenol
Concen: 65.514 ng
RT: 9.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:196 Resp: 43332

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.4	116.2
200	30.8	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
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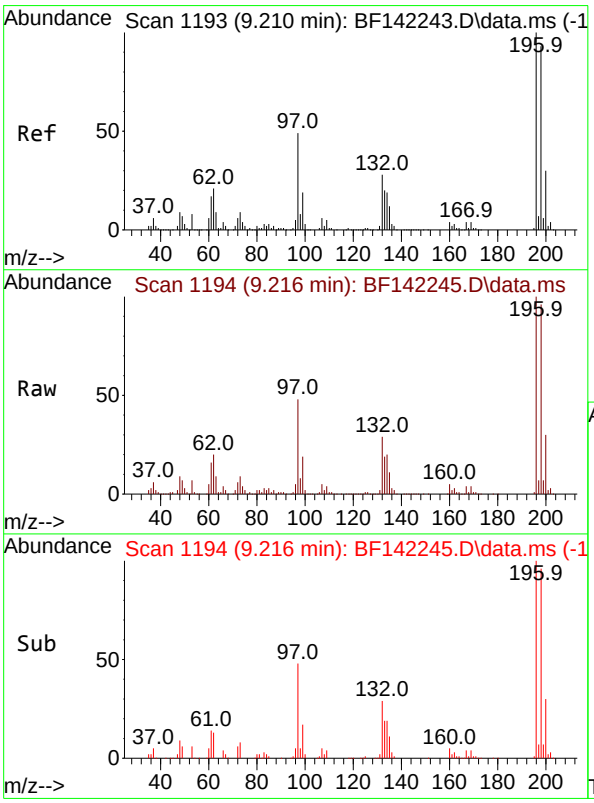
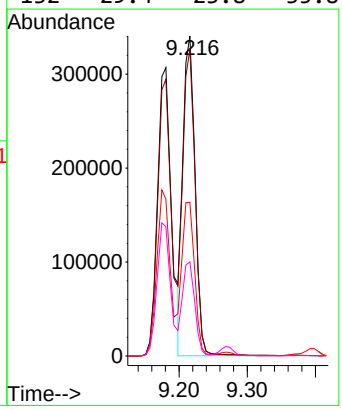
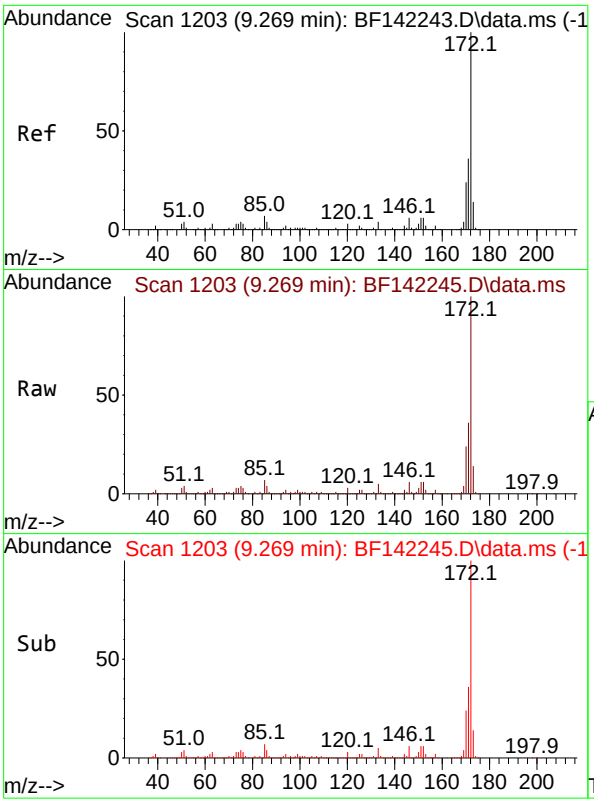


#44
2,4,5-Trichlorophenol
Concen: 60.705 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:196 Resp: 422145

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.2	112.8
97	48.1	39.8	59.8
132	29.4	23.8	35.8

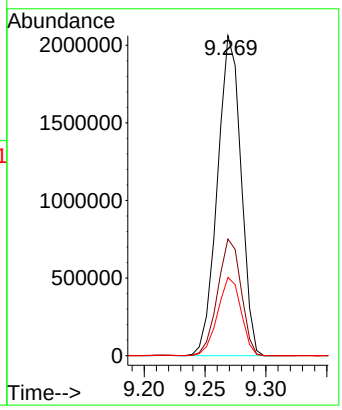




#45
2-Fluorobiphenyl
Concen: 103.255 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:172 Resp: 277748

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.4	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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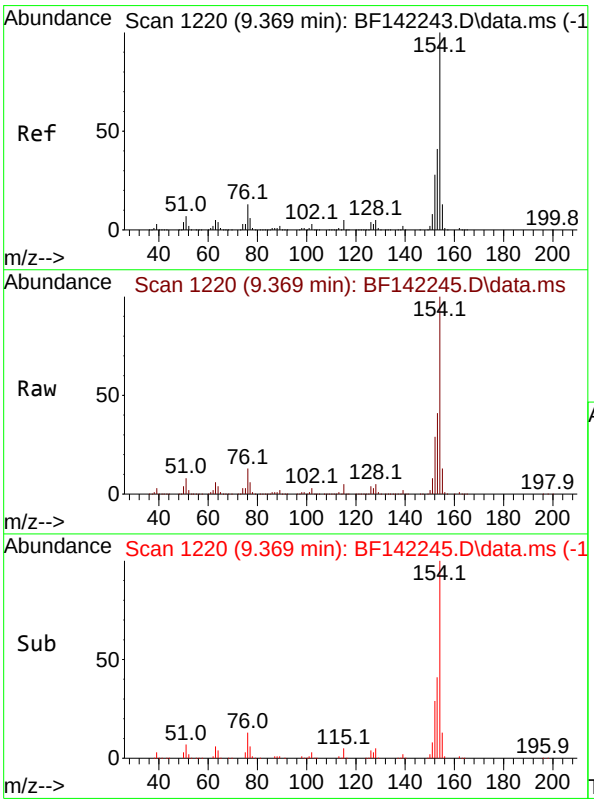
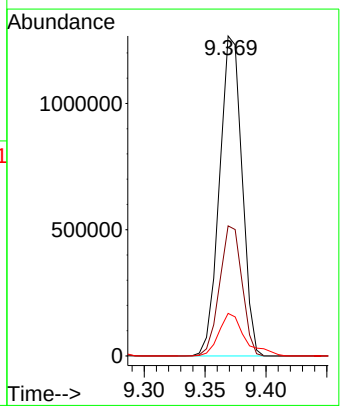
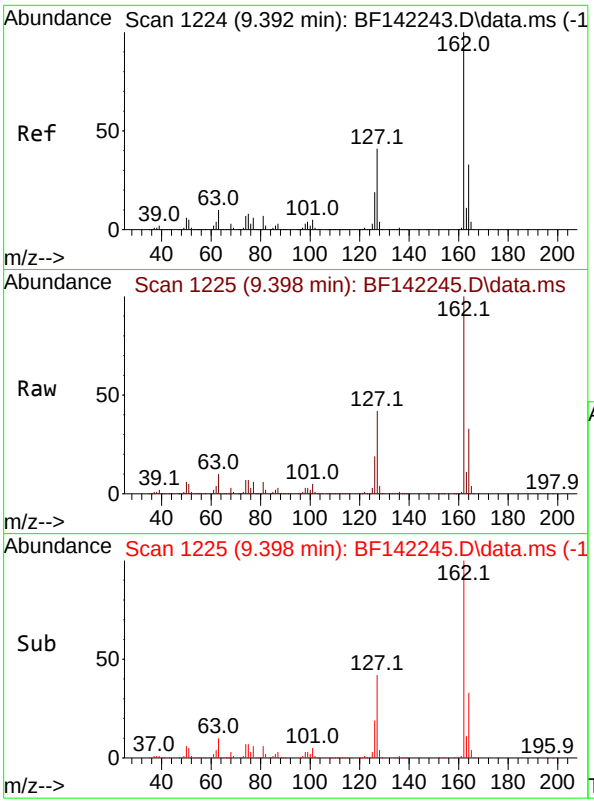


#46
1,1'-Biphenyl
Concen: 55.372 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:154 Resp: 1632628

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.5	60.5
76	13.3	0.0	32.8

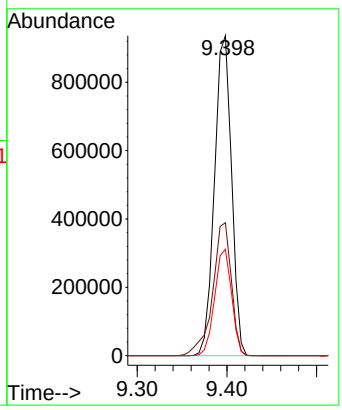




#47
2-Chloronaphthalene
Concen: 56.283 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:162 Resp: 123467

Ion	Ratio	Lower	Upper
162	100		
127	41.6	32.6	49.0
164	33.2	26.1	39.1



Instrument :
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ClientSampleId :
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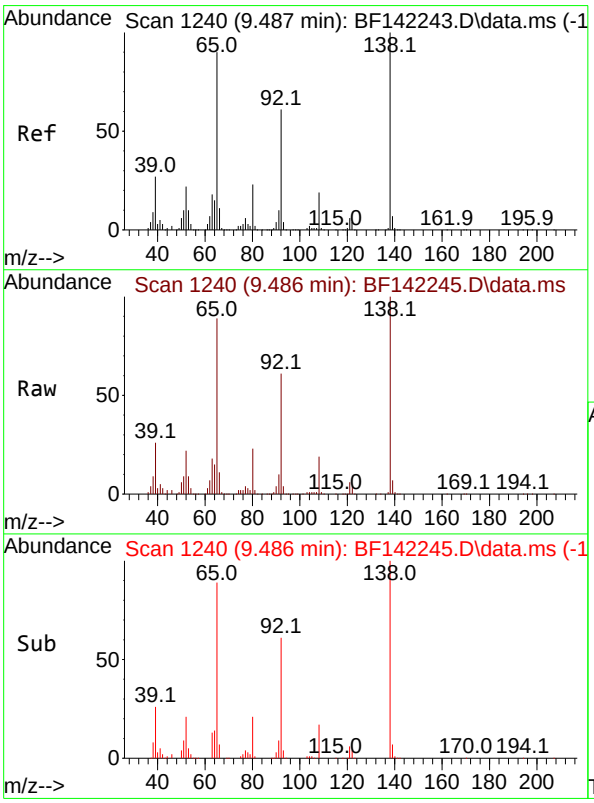
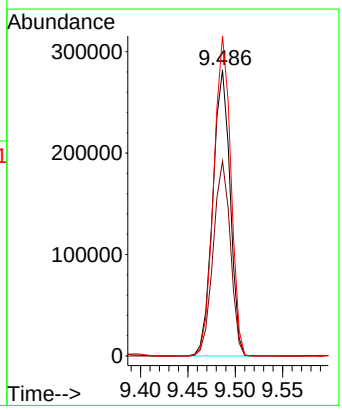
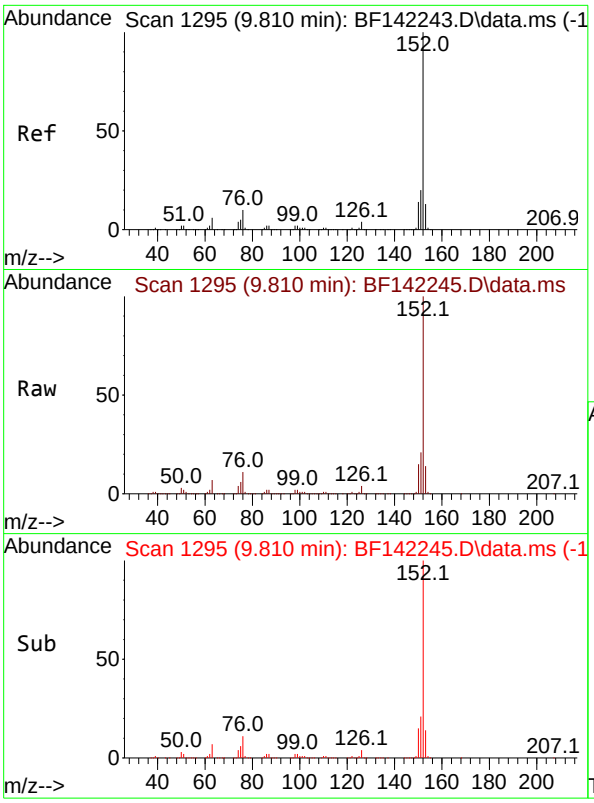


#48
2-Nitroaniline
Concen: 60.490 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 65 Resp: 357897

Ion	Ratio	Lower	Upper
65	100		
92	68.1	54.3	81.5
138	111.9	88.6	133.0

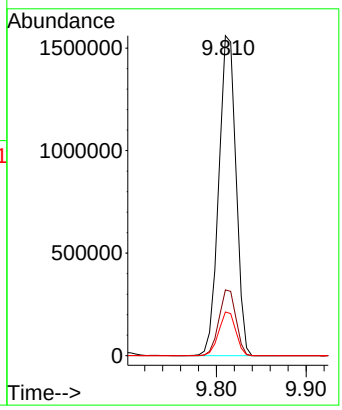




#49
Acenaphthylene
Concen: 56.175 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:152 Resp: 207945

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.6	10.7	16.1



Instrument :
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ClientSampleId :
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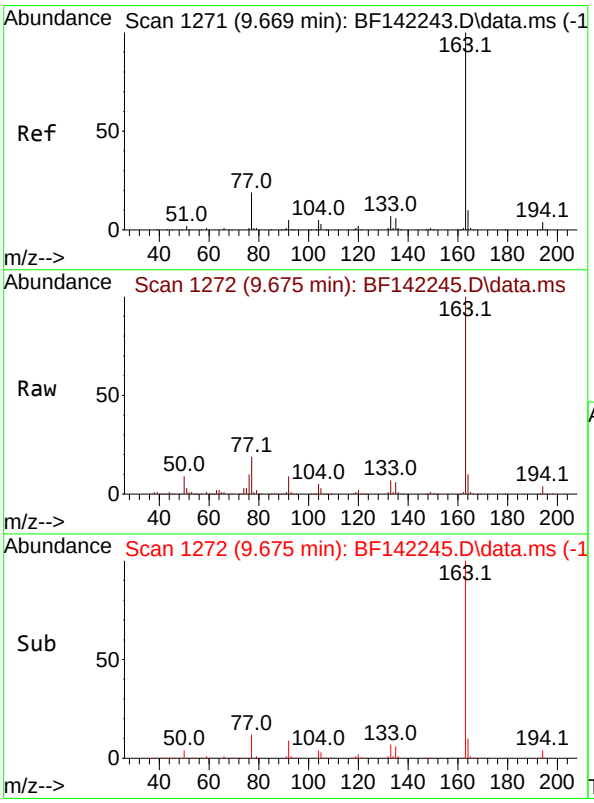
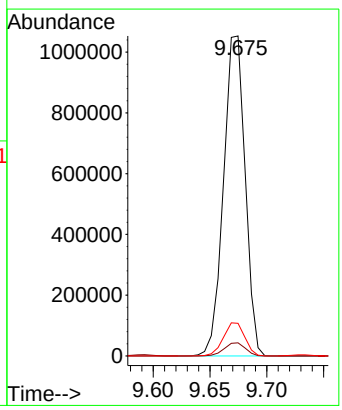
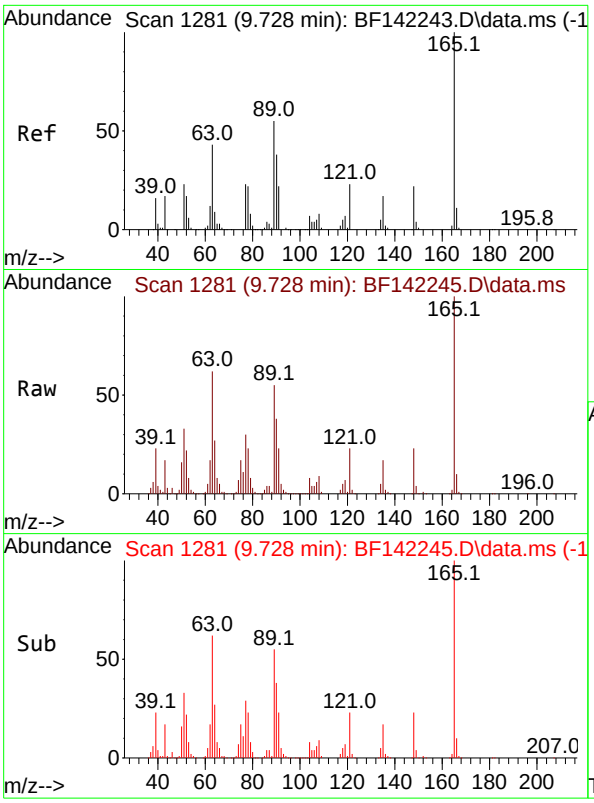


#50
Dimethylphthalate
Concen: 57.529 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:163 Resp: 1395869

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.2	12.2

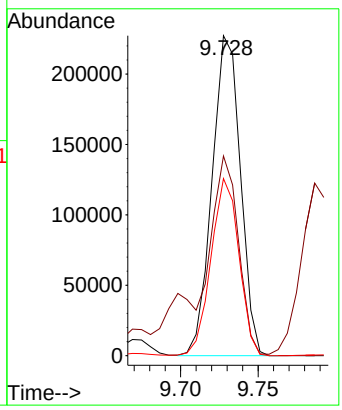




#51
2,6-Dinitrotoluene
Concen: 60.986 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:165 Resp: 28935

Ion	Ratio	Lower	Upper
165	100		
63	62.4	48.5	72.7
89	55.4	43.9	65.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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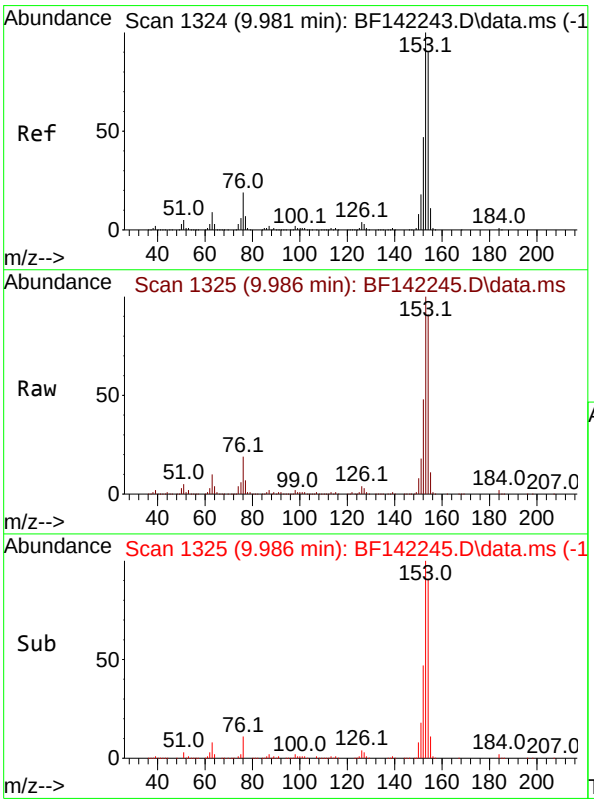
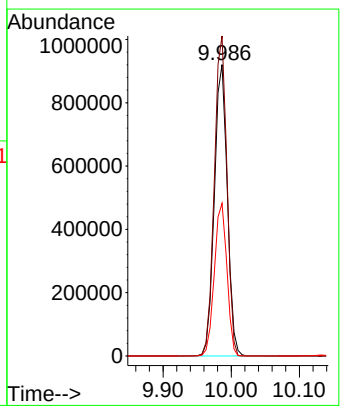
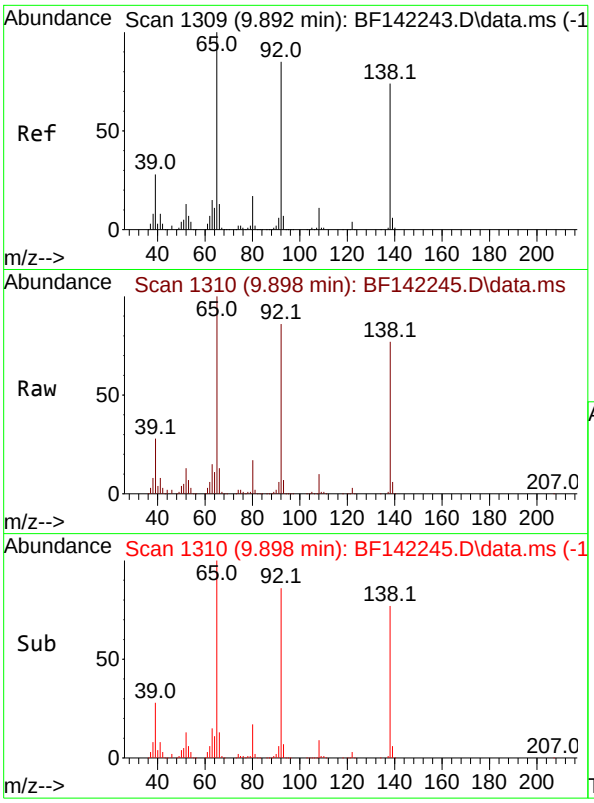


#52
Acenaphthene
Concen: 56.414 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:154 Resp: 1219341

Ion	Ratio	Lower	Upper
154	100		
153	109.8	88.6	133.0
152	52.4	42.1	63.1





#53
3-Nitroaniline
Concen: 61.278 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:138 Resp: 35227

Ion	Ratio	Lower	Upper
138	100		
108	12.4	11.7	17.5
92	110.7	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
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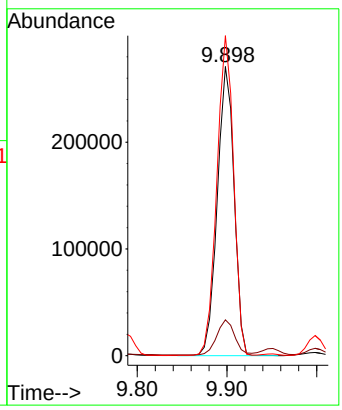
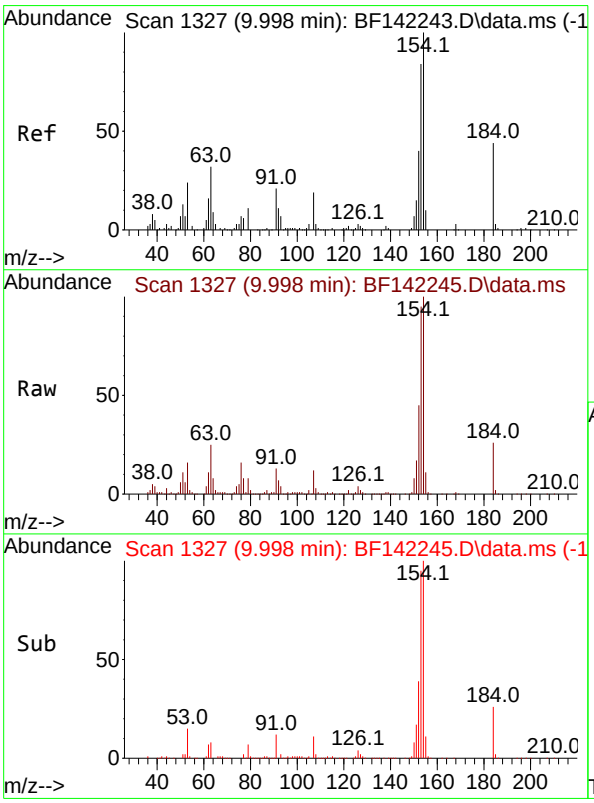
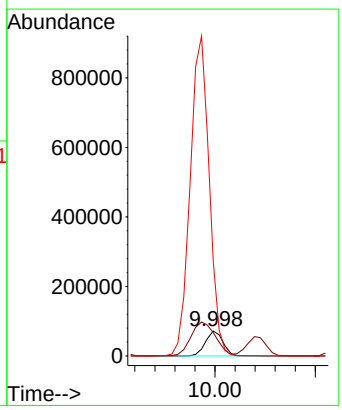


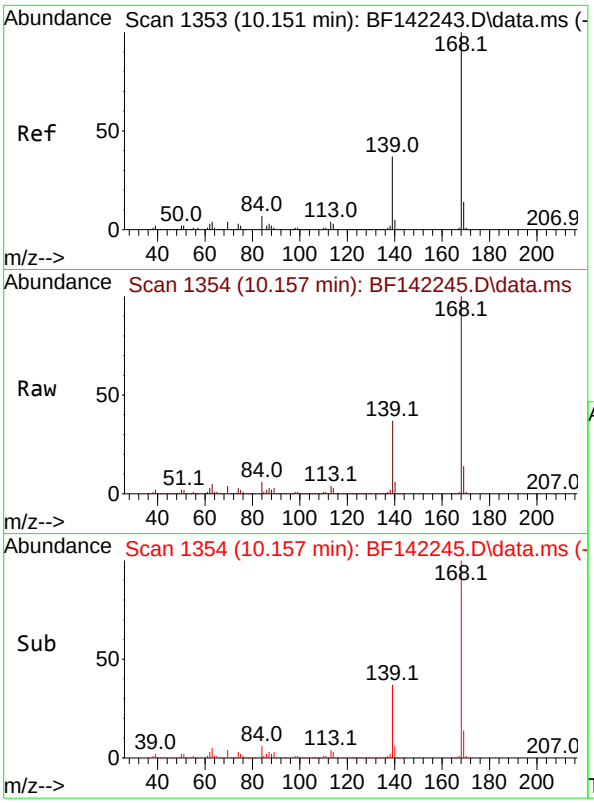


#54
2,4-Dinitrophenol
Concen: 61.133 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:184 Resp: 86520

Ion	Ratio	Lower	Upper
184	100		
63	93.7	69.2	103.8
154	379.9	271.4	407.2

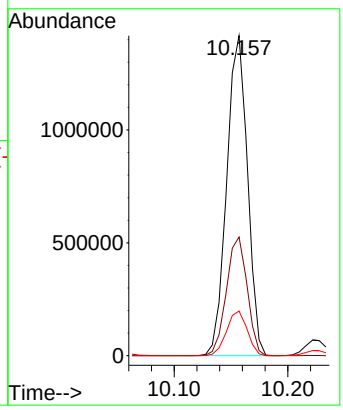




#55
Dibenzofuran
Concen: 55.513 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:168 Resp: 179862

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.4	44.0
169	13.9	11.0	16.4



Instrument :
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ClientSampleId :
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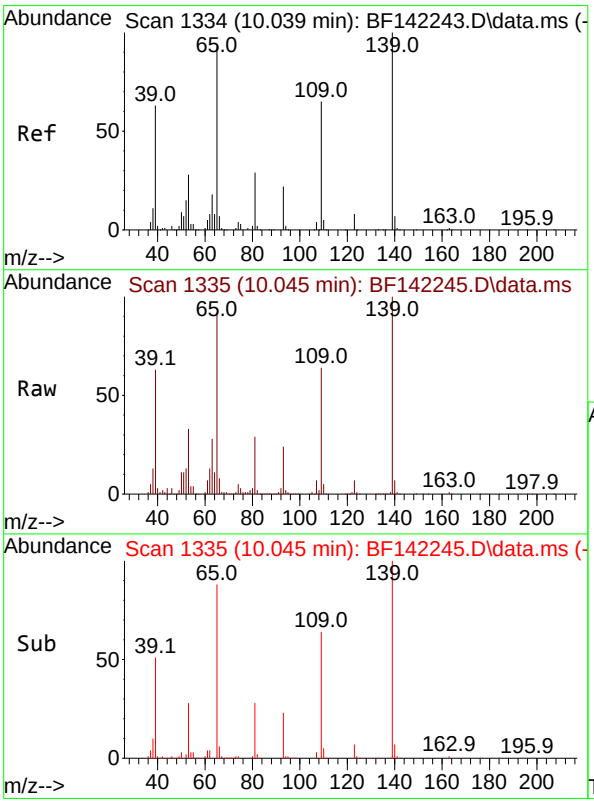
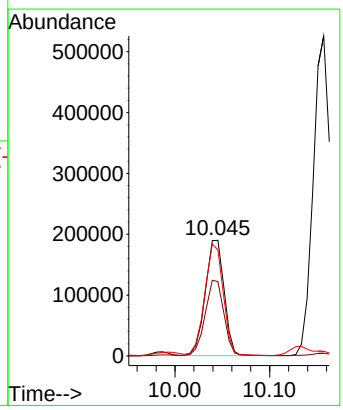
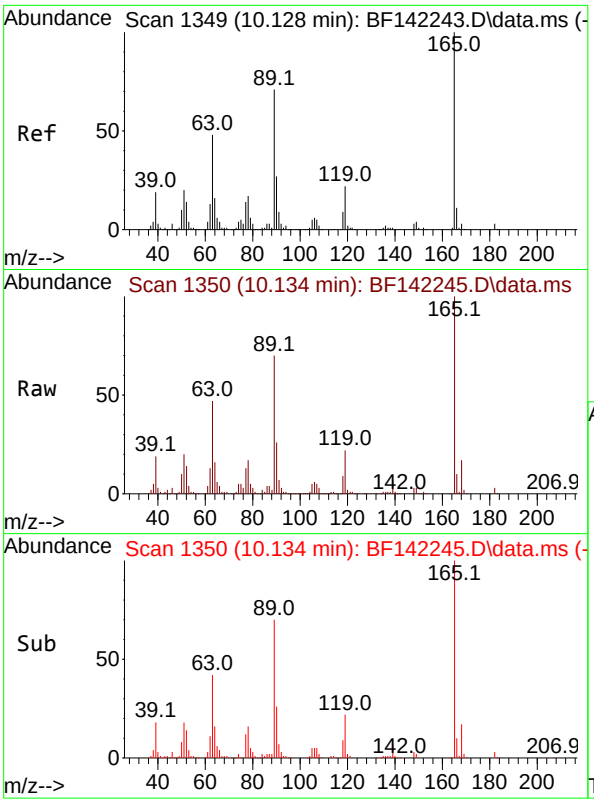


#56
4-Nitrophenol
Concen: 68.694 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:139 Resp: 261987

Ion	Ratio	Lower	Upper
139	100		
109	64.4	44.9	84.9
65	91.8	74.7	114.7

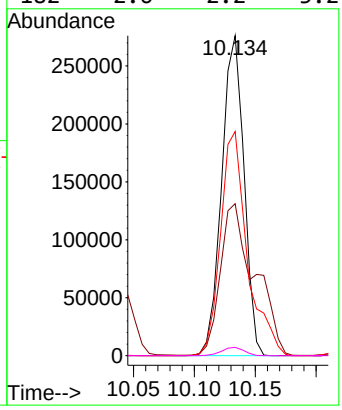




#57
2,4-Dinitrotoluene
Concen: 60.964 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:165 Resp: 35200

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.8	58.2
89	70.1	57.1	85.7
182	2.6	2.2	3.2



Instrument :
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ClientSampleId :
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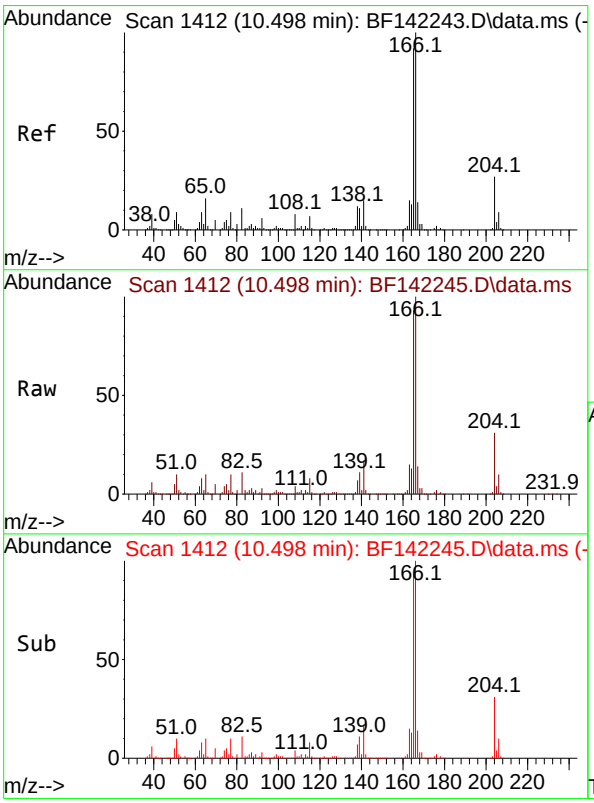
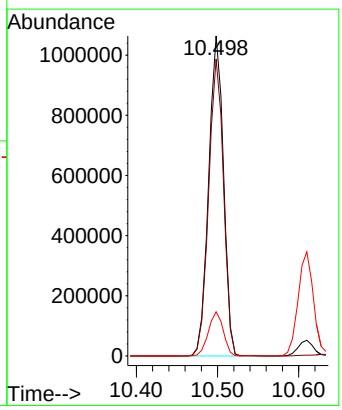
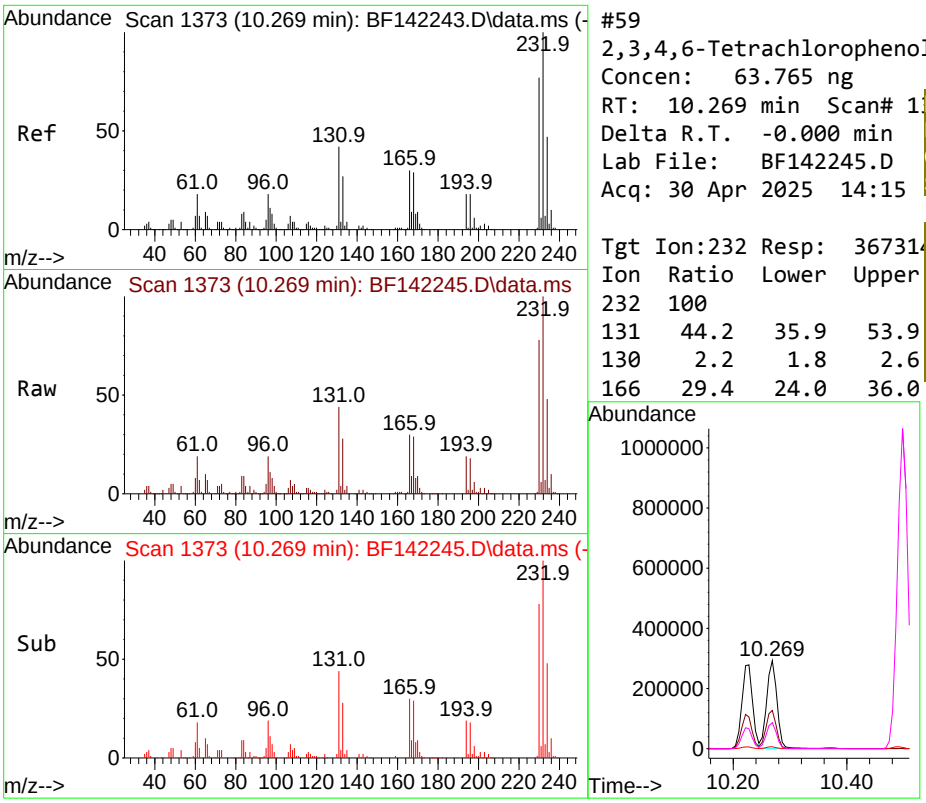


#58
Fluorene
Concen: 54.754 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:166 Resp: 1348902

Ion	Ratio	Lower	Upper
166	100		
165	92.8	73.9	110.9
167	13.8	10.8	16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 63.765 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:232 Resp: 36731

Ion	Ratio	Lower	Upper
232	100		
131	44.2	35.9	53.9
130	2.2	1.8	2.6
166	29.4	24.0	36.0

Instrument :
BNA_F
ClientSampleId :
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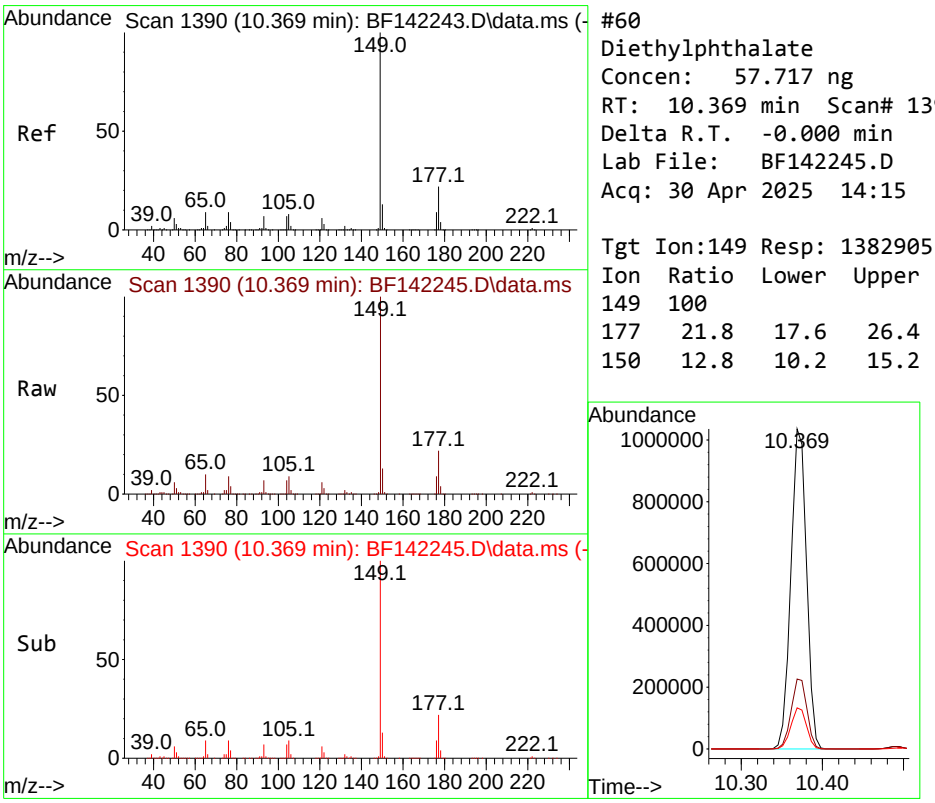
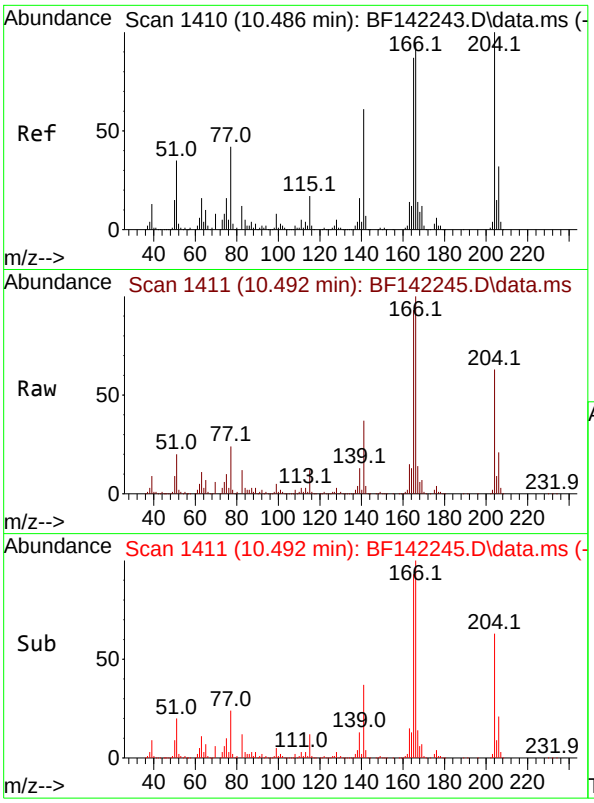


#60
Diethylphthalate
Concen: 57.717 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 1382905

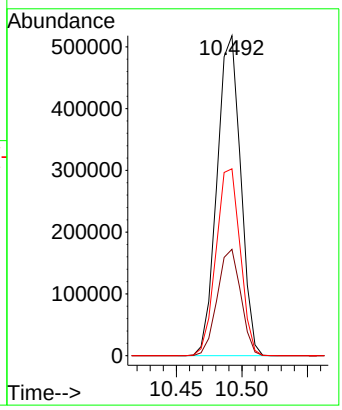
Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.6	26.4
150	12.8	10.2	15.2



#61
4-Chlorophenyl-phenylether
Concen: 55.466 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:204 Resp: 64892

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.6	38.4
141	58.4	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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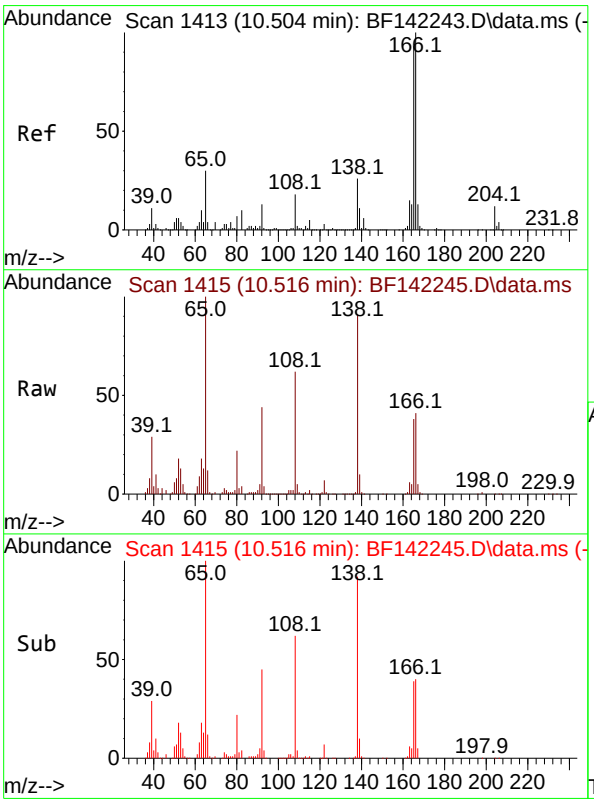
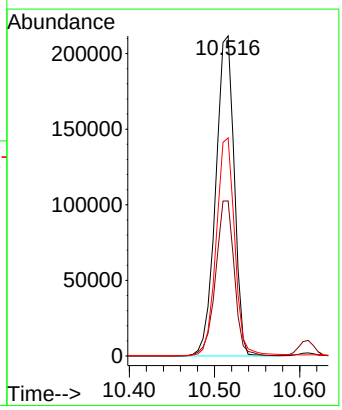
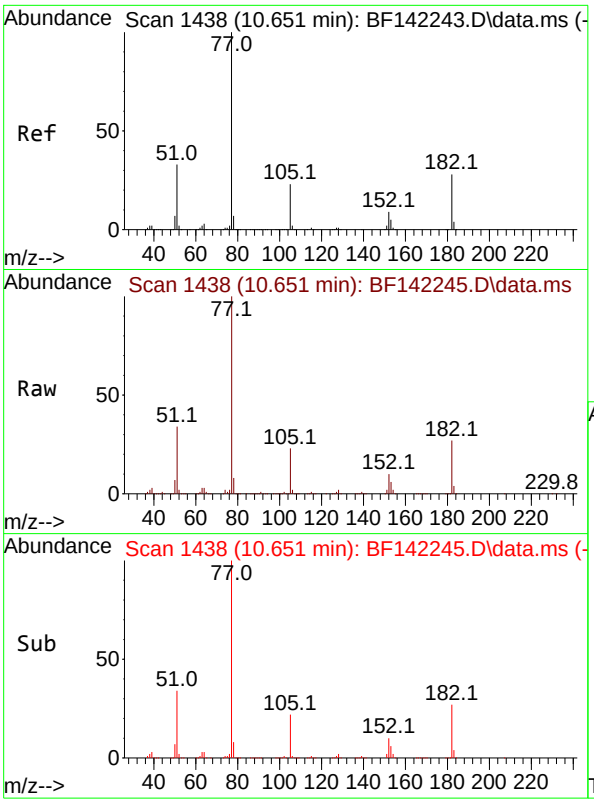


#62
4-Nitroaniline
Concen: 61.243 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:138 Resp: 319292

Ion	Ratio	Lower	Upper
138	100		
92	48.4	29.2	69.2
108	68.2	49.1	89.1

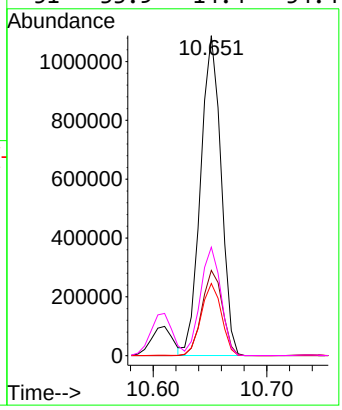




#63
Azobenzene
Concen: 57.603 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion: 77 Resp: 136290

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	22.5	2.5	42.5
51	33.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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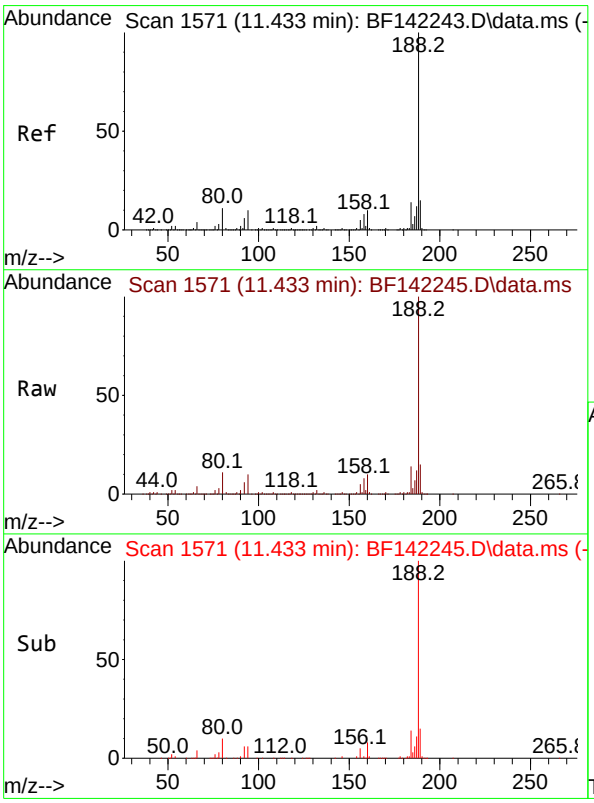
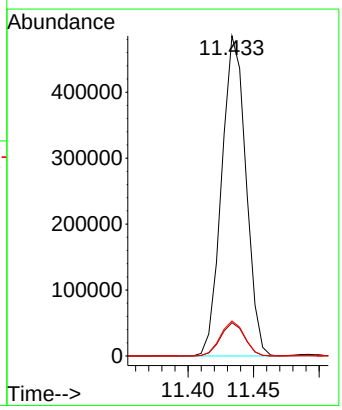
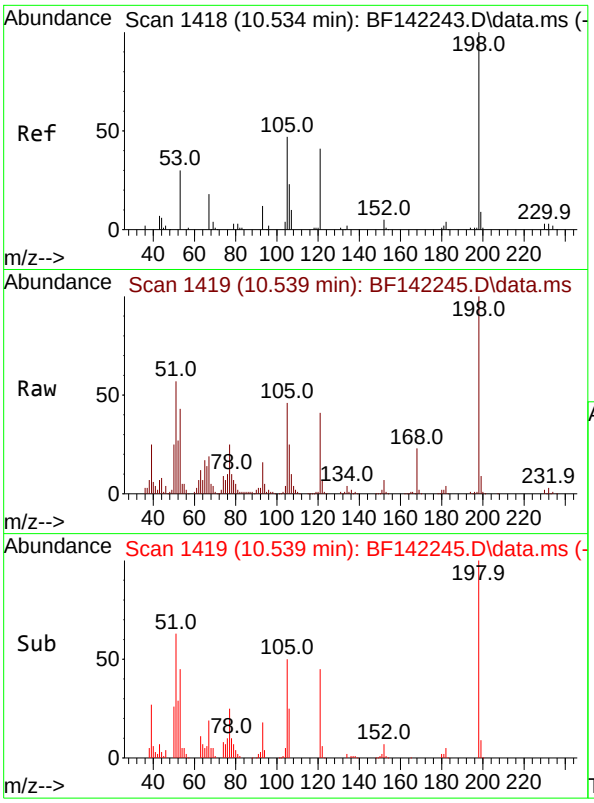


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:188 Resp: 624729

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.2
80	11.0	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 60.646 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:198 Resp: 13218

Ion	Ratio	Lower	Upper
198	100		
51	57.5	40.6	80.6
105	45.8	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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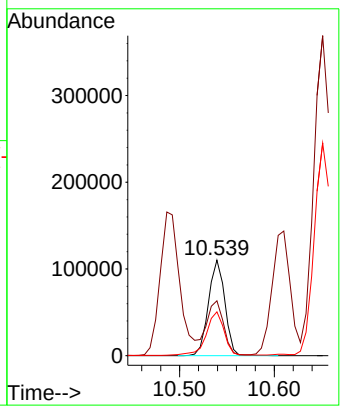
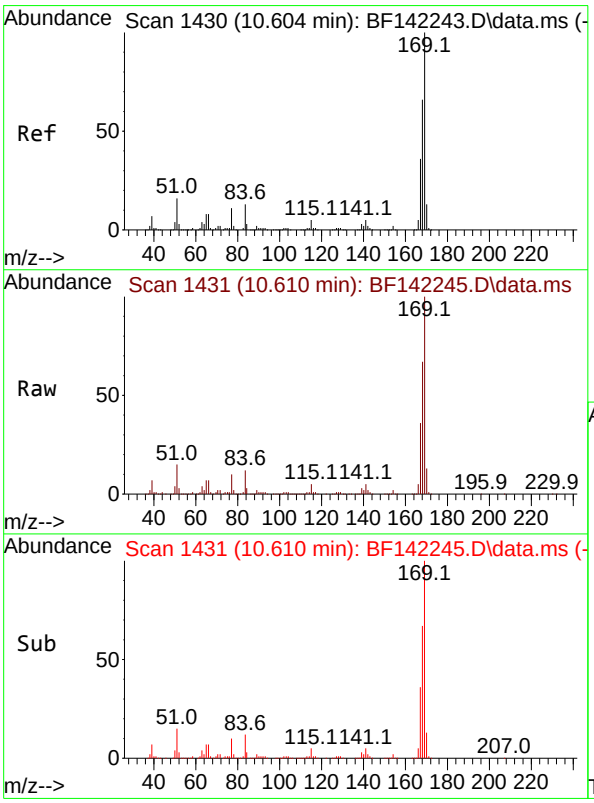
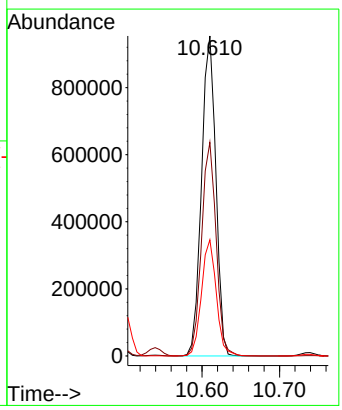


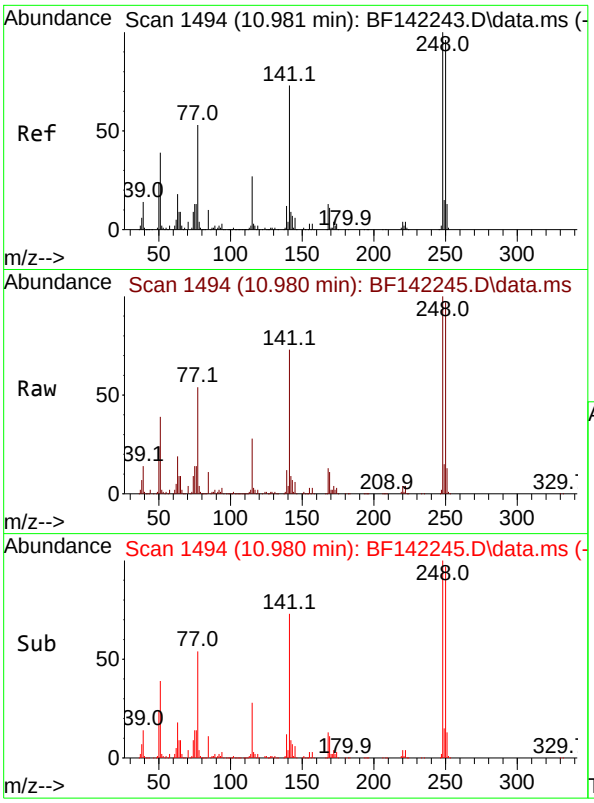


#66
n-Nitrosodiphenylamine
Concen: 57.351 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:169 Resp: 1224189

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 59.371 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:248 Resp: 41306

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.2	115.8
141	73.0	58.4	87.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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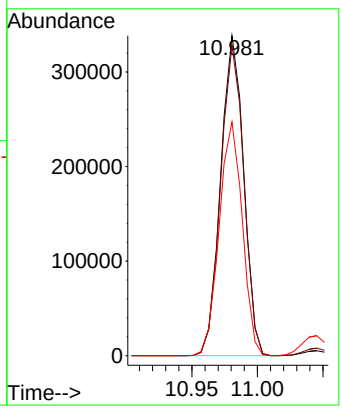
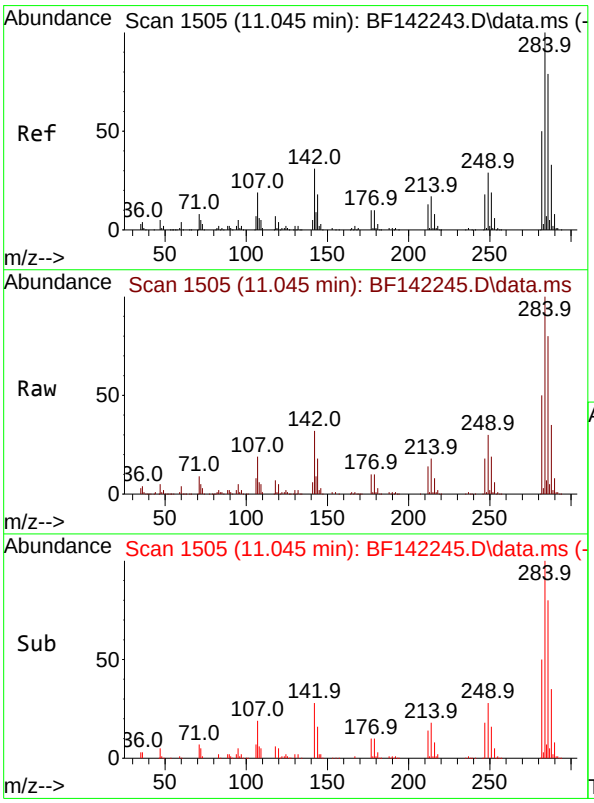
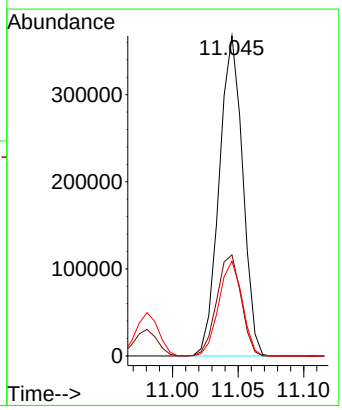


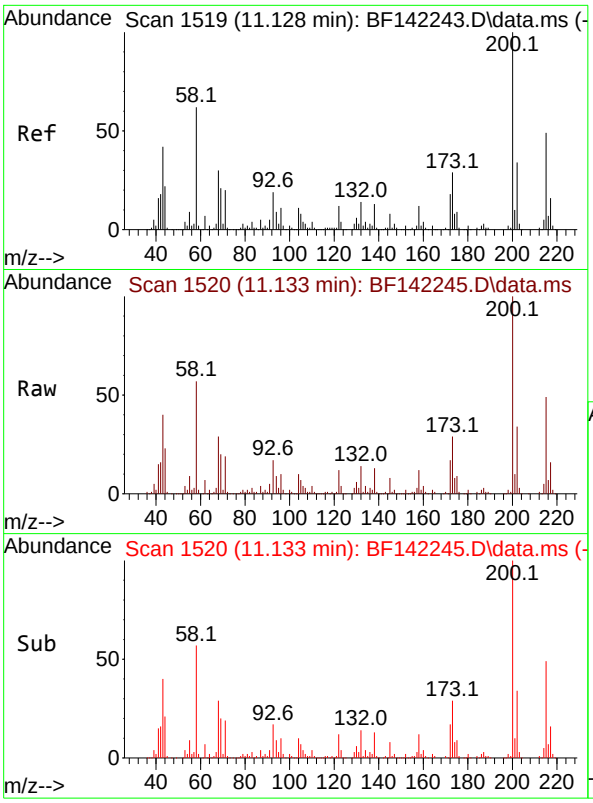


#68
Hexachlorobenzene
Concen: 58.689 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:284 Resp: 457317

Ion	Ratio	Lower	Upper
284	100		
142	31.6	24.6	37.0
249	29.6	23.2	34.8

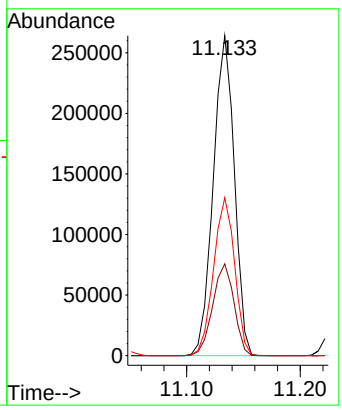




#69
Atrazine
Concen: 60.513 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:200 Resp: 34047

Ion	Ratio	Lower	Upper
200	100		
173	28.7	8.6	48.6
215	49.3	28.5	68.5



Instrument :
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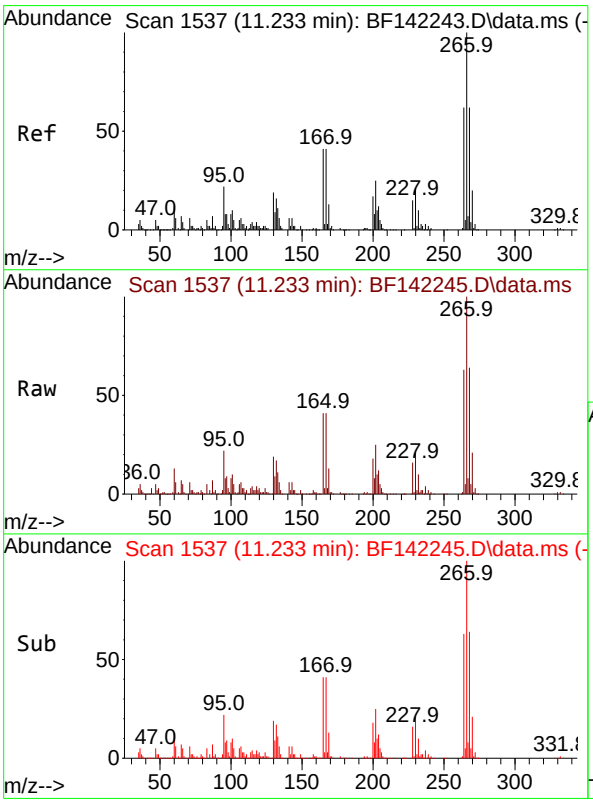
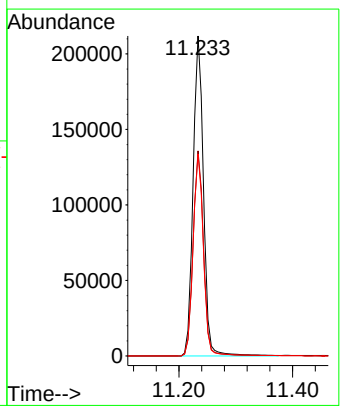
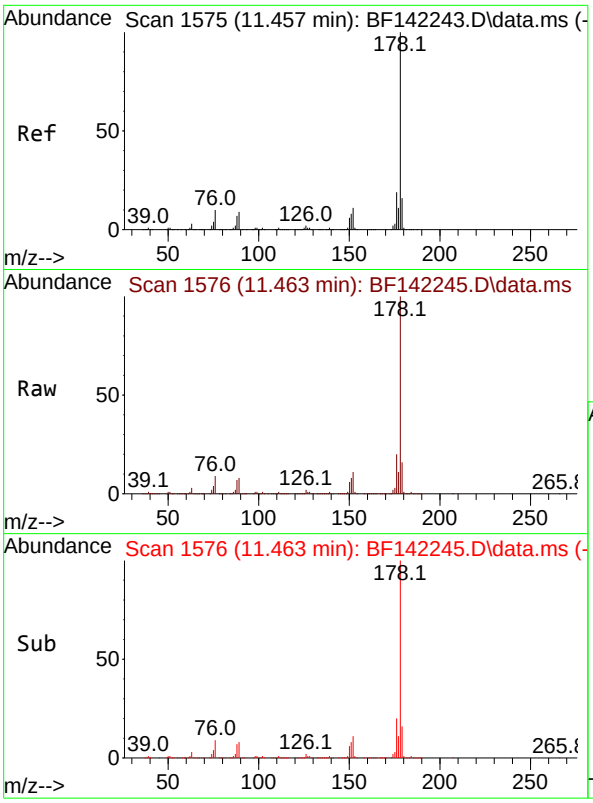


#70
Pentachlorophenol
Concen: 65.710 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:266 Resp: 270497

Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.0	75.0
264	63.1	49.3	73.9

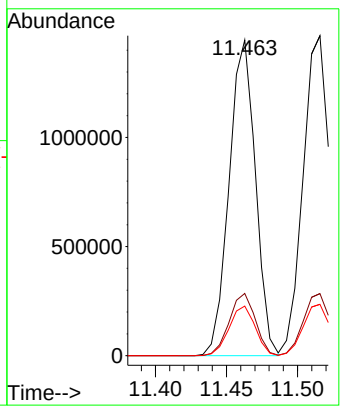




#71
Phenanthrene
Concen: 55.249 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:178 Resp: 186441

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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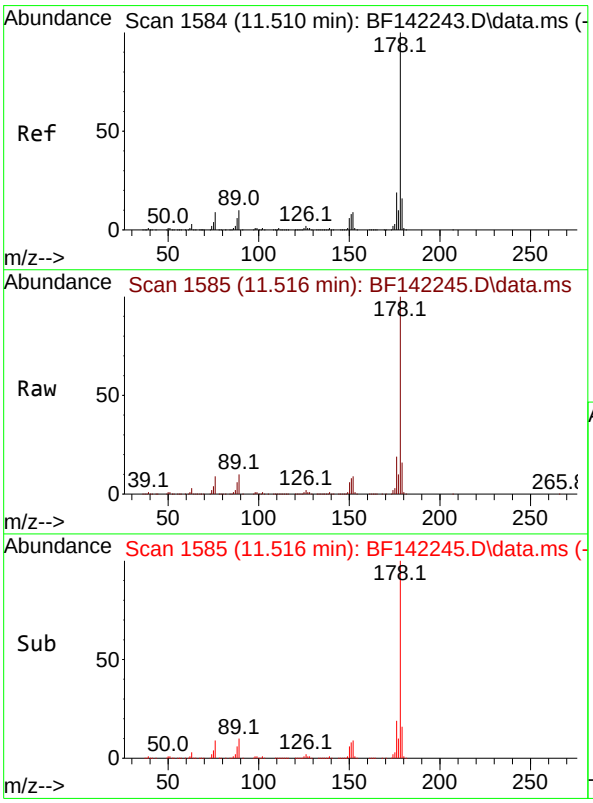
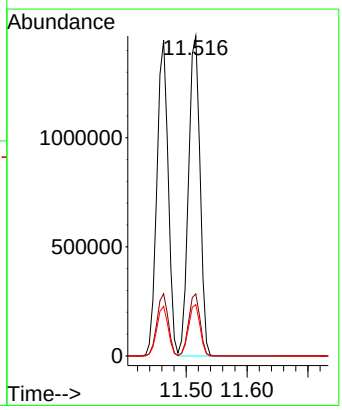
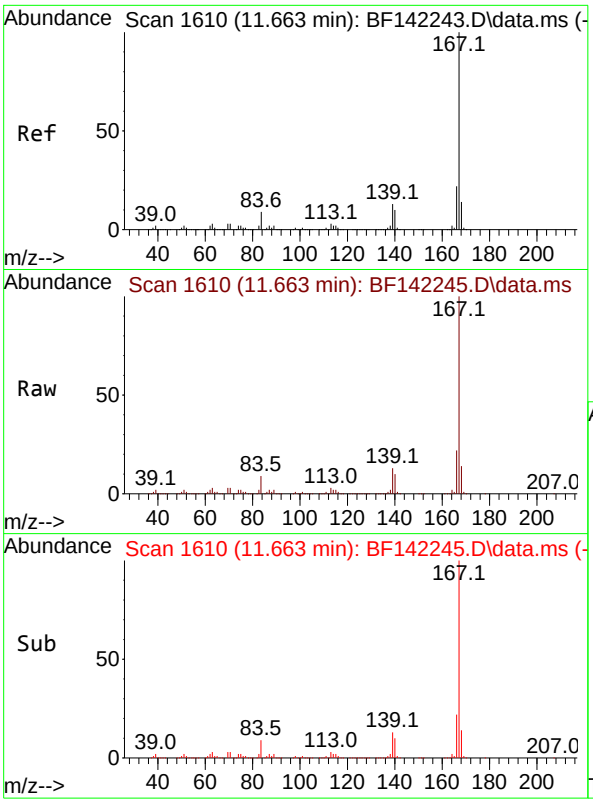


#72
Anthracene
Concen: 55.673 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:178 Resp: 1920817

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.0	12.7	19.1

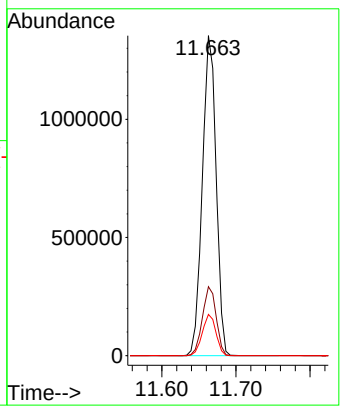




#73
Carbazole
Concen: 55.651 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:167 Resp: 175153

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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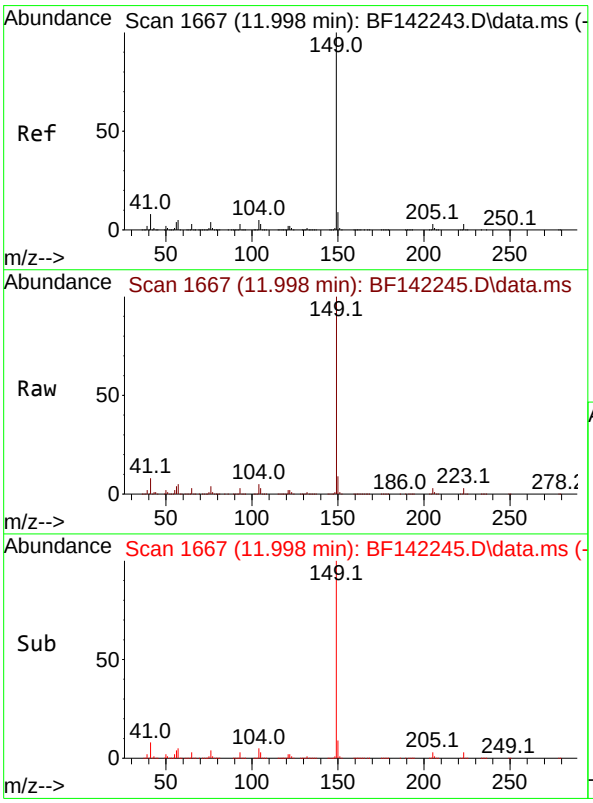
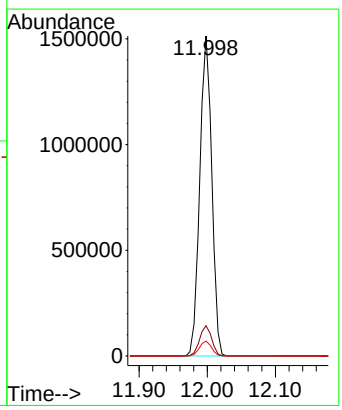
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

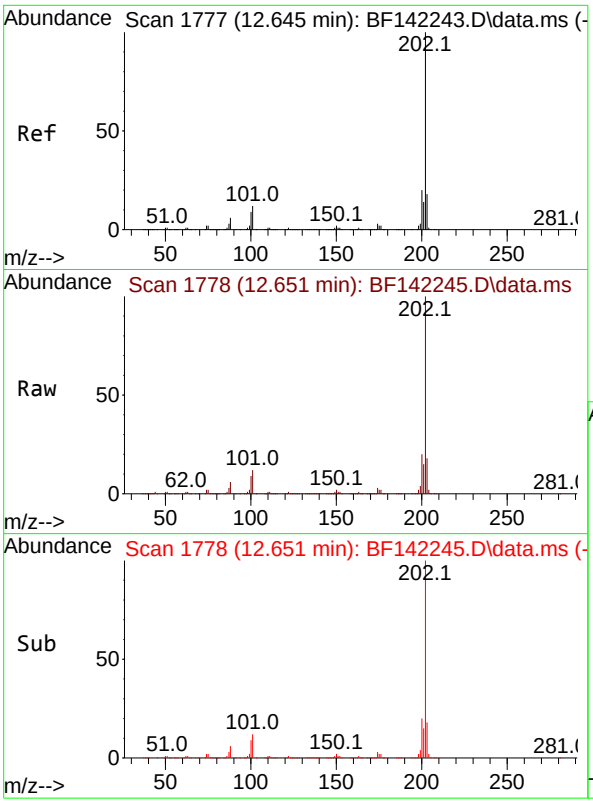


#74
Di-n-butylphthalate
Concen: 58.511 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 1852105

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.6	3.6	5.4

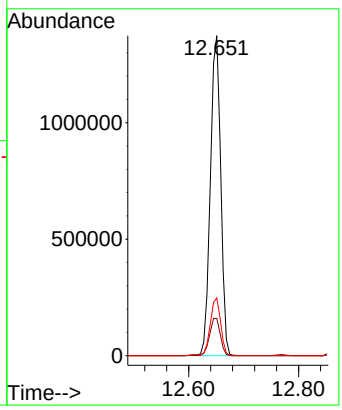




#75
Fluoranthene
Concen: 53.793 ng
RT: 12.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:202 Resp: 179442

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	18.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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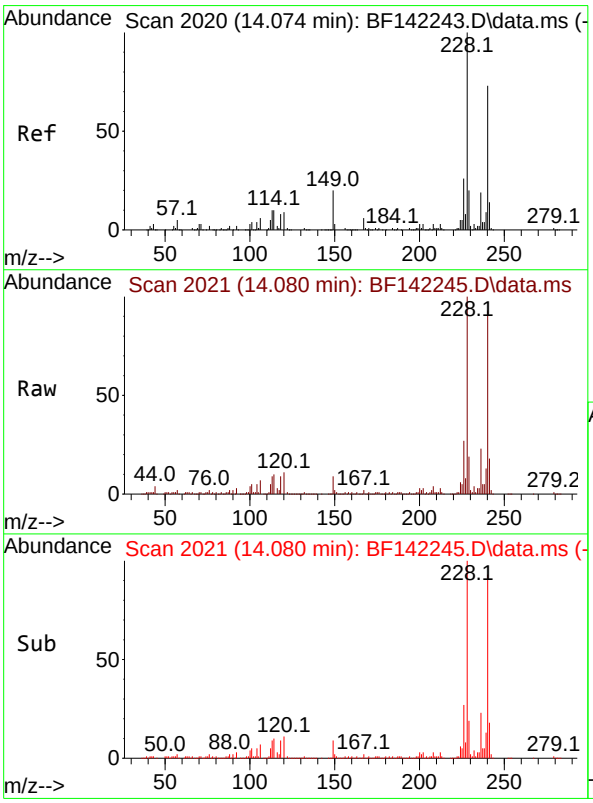
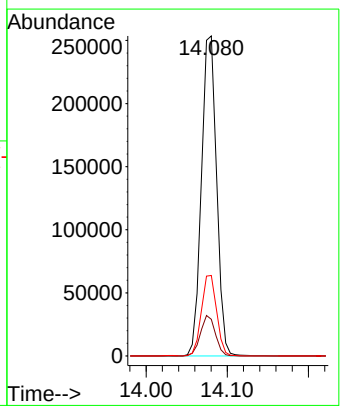
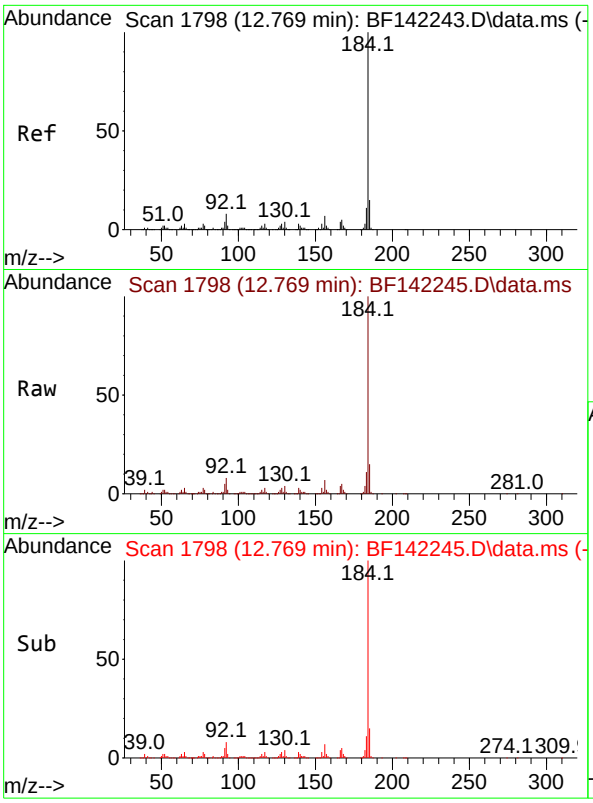


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:240 Resp: 328990

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.1	15.1
236	25.2	20.5	30.7

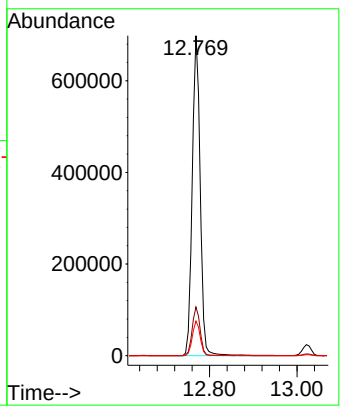




#77
Benzidine
Concen: 63.206 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:184 Resp: 88356

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.8	17.6
183	10.8	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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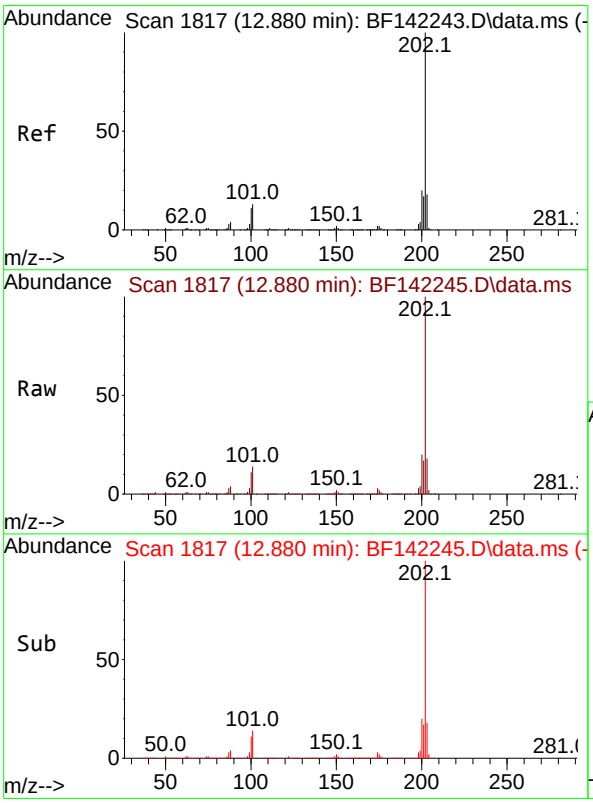
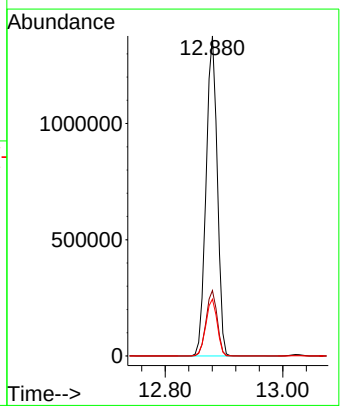
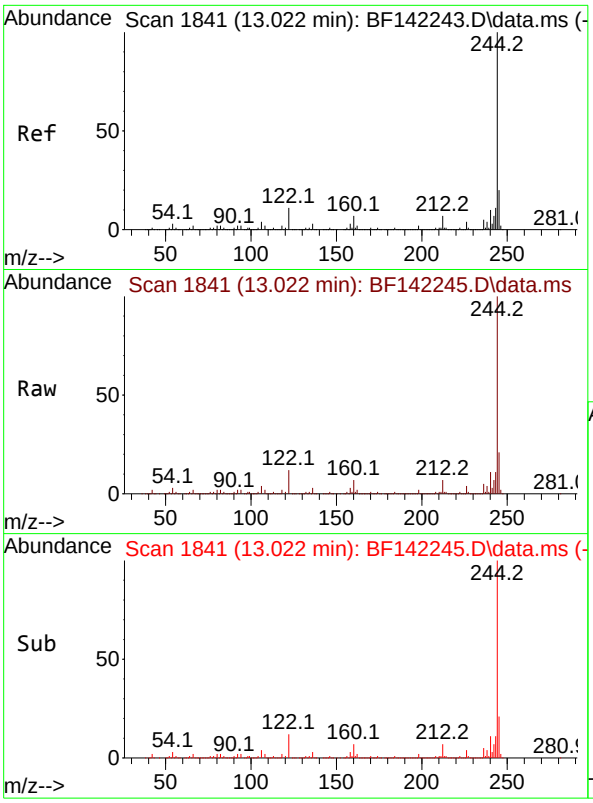


#78
Pyrene
Concen: 59.627 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:202 Resp: 1809576

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.1	24.1
203	17.8	14.1	21.1

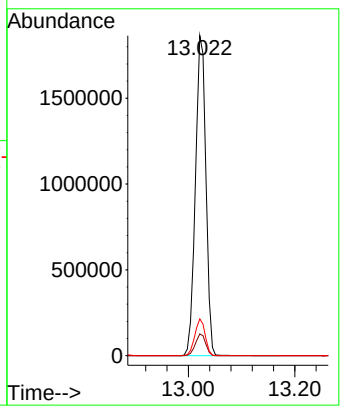




#79
Terphenyl-d14
Concen: 112.585 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:244 Resp: 254669

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	11.5	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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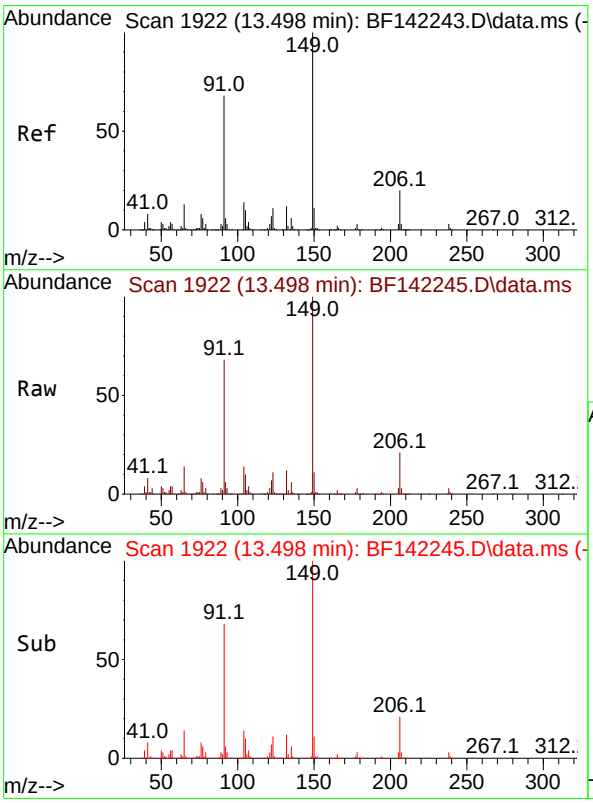
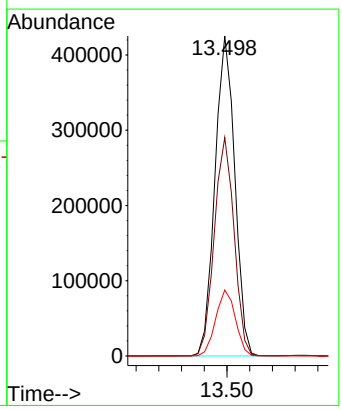
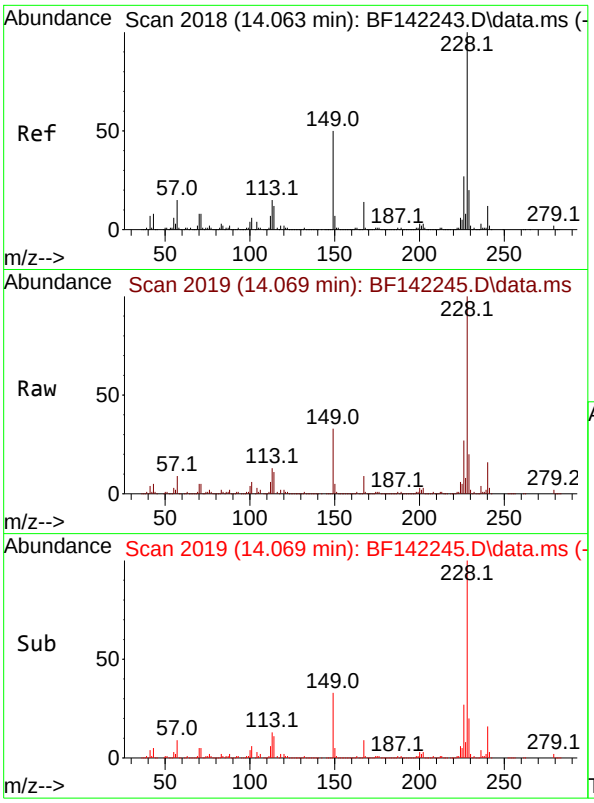


#80
Butylbenzylphthalate
Concen: 61.167 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 516723

Ion	Ratio	Lower	Upper
149	100		
91	68.3	54.4	81.6
206	20.6	15.9	23.9

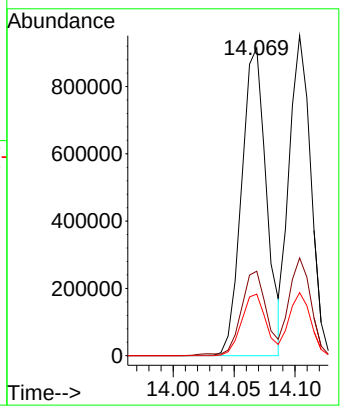




#81
Benzo(a)anthracene
Concen: 58.829 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:228 Resp: 129927

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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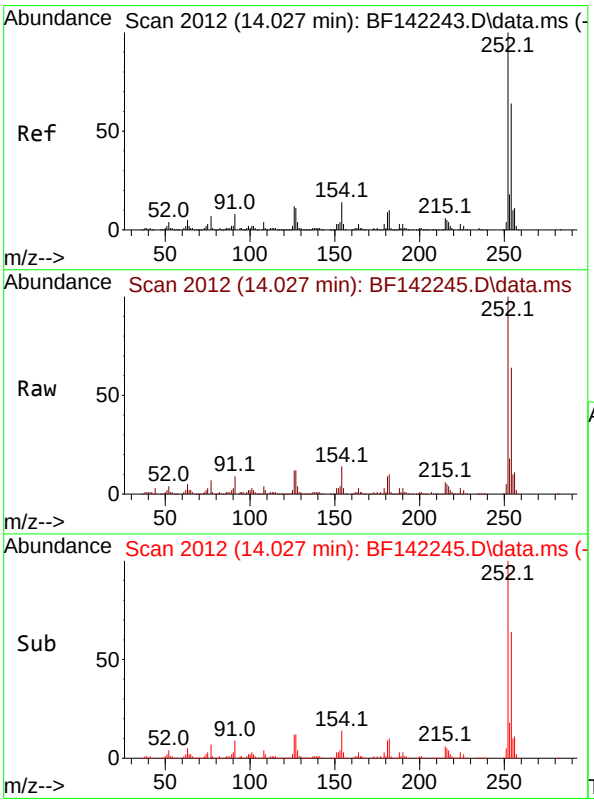
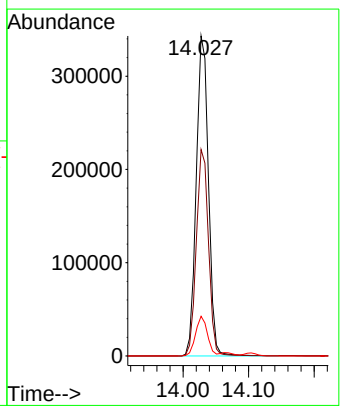
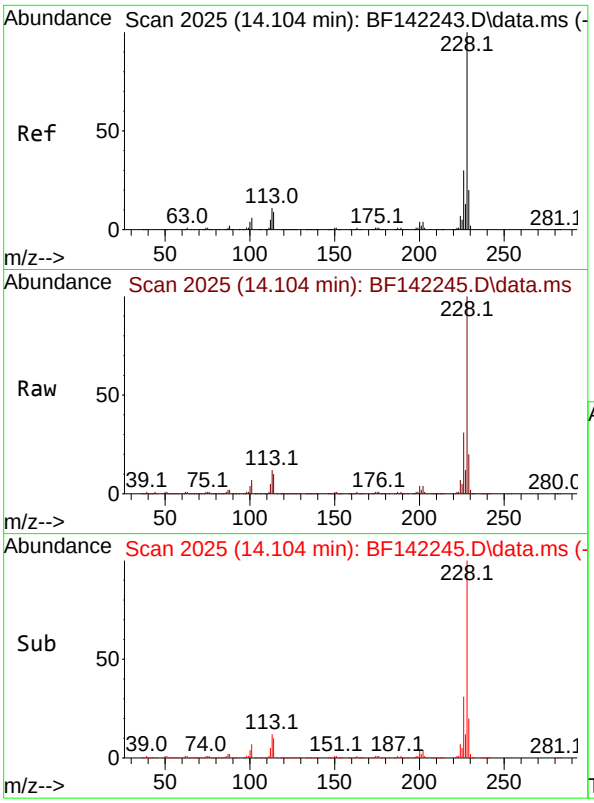


#82
3,3'-Dichlorobenzidine
Concen: 68.582 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 444901

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	12.4	9.4	14.2

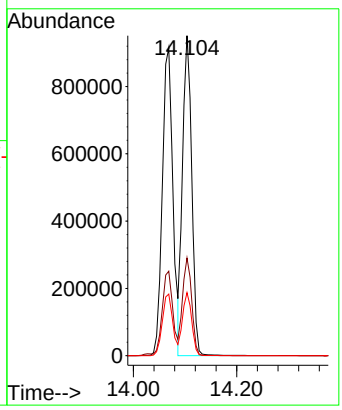




#83
Chrysene
Concen: 58.781 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:228 Resp: 118172

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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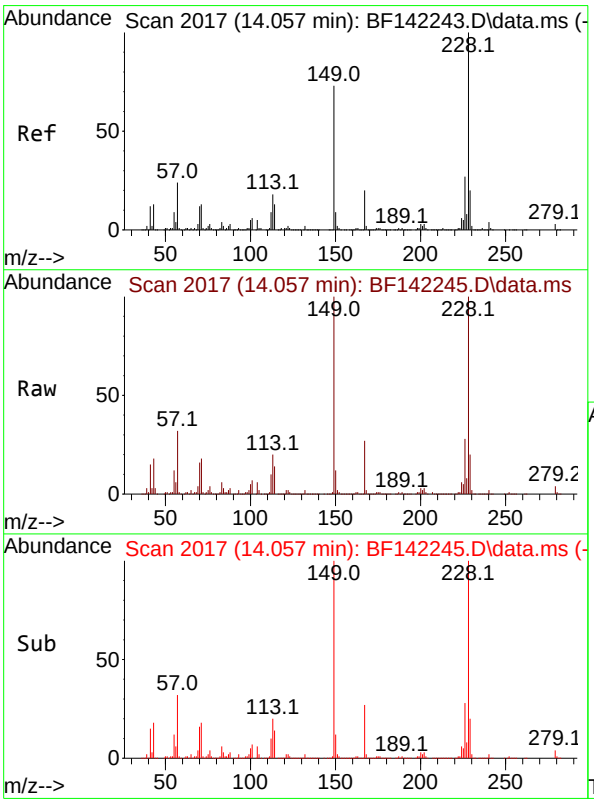
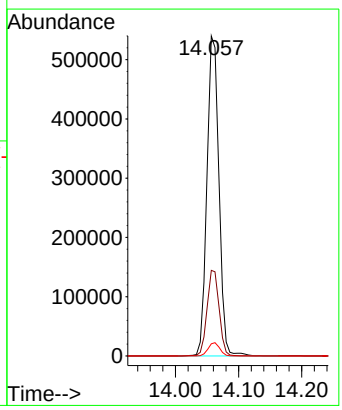
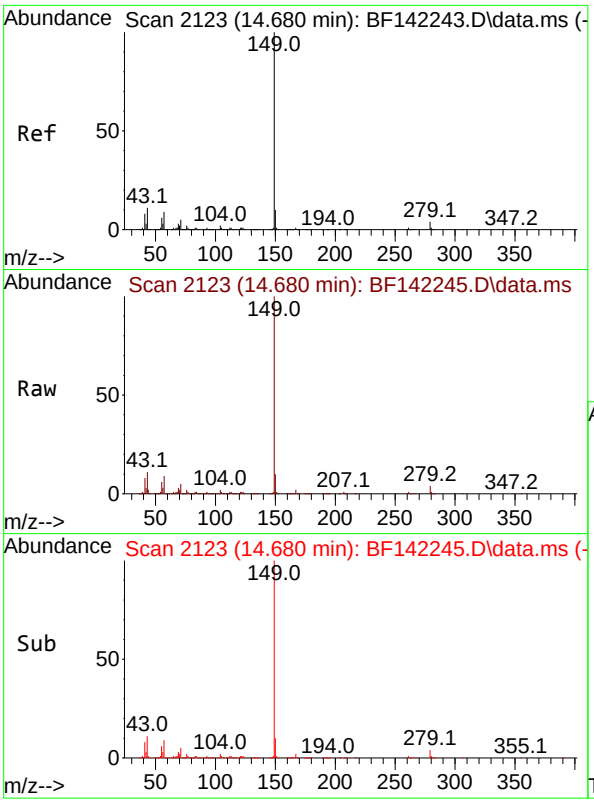


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.002 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 712716

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	3.8	3.0	4.4

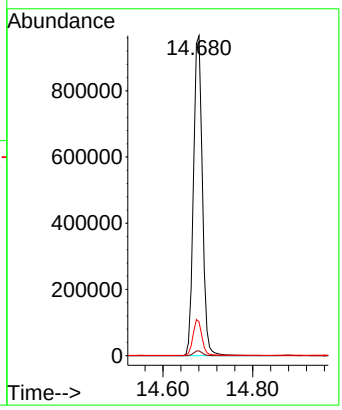




#85
Di-n-octyl phthalate
Concen: 61.204 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:149 Resp: 132973

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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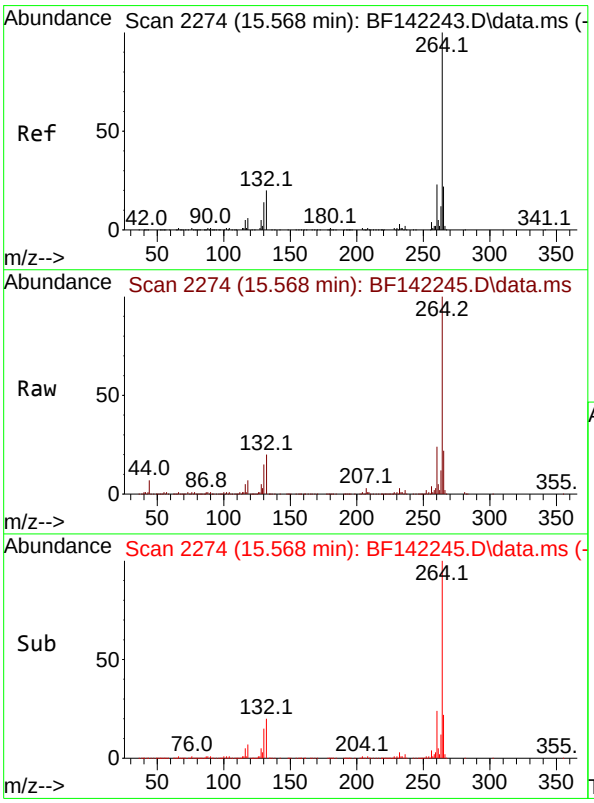
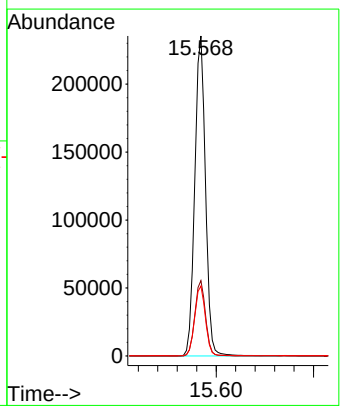
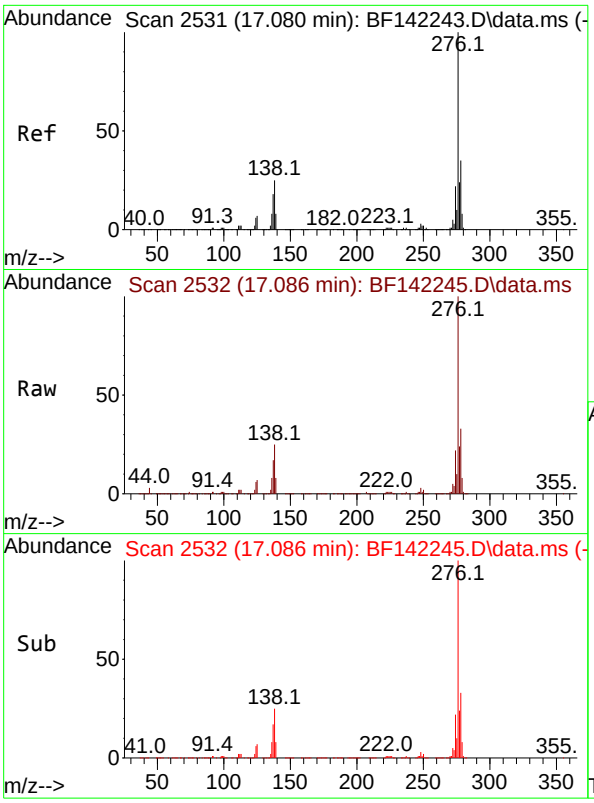


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:264 Resp: 361305

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.9	17.3	25.9

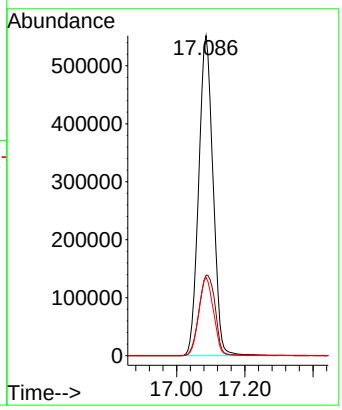




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.012 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:276 Resp: 161465

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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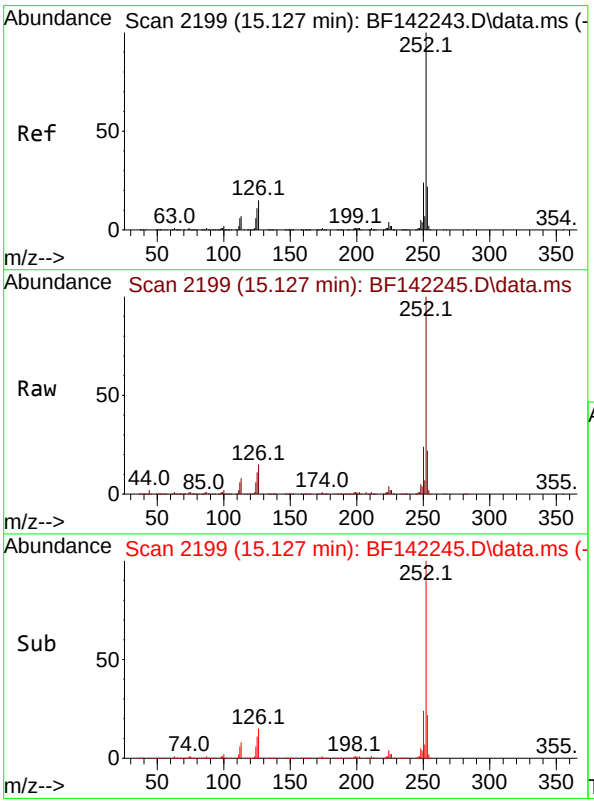
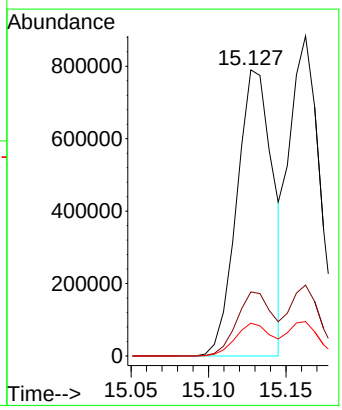
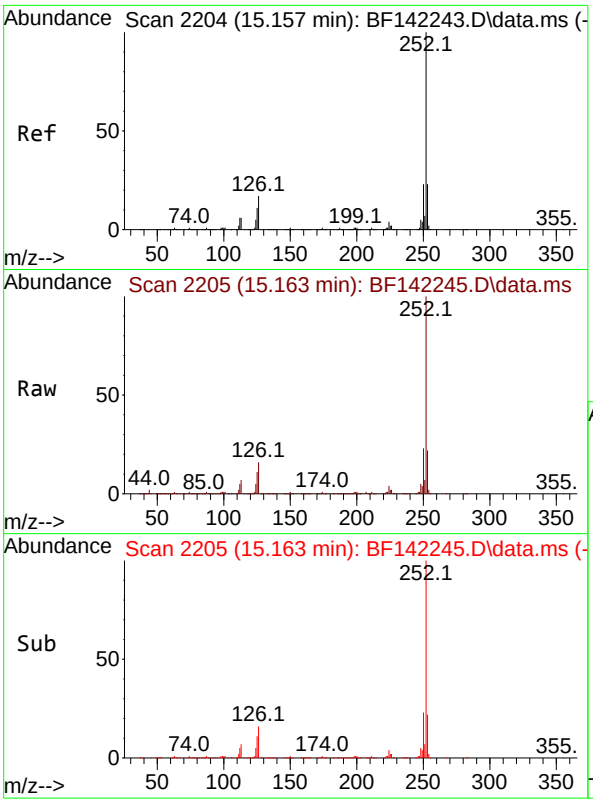


#88
Benzo(b)fluoranthene
Concen: 56.836 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 1275552

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.5	9.0	13.4

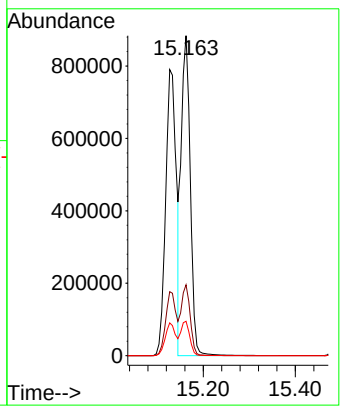




#89
Benzo(k)fluoranthene
Concen: 58.601 ng
RT: 15.163 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 120295

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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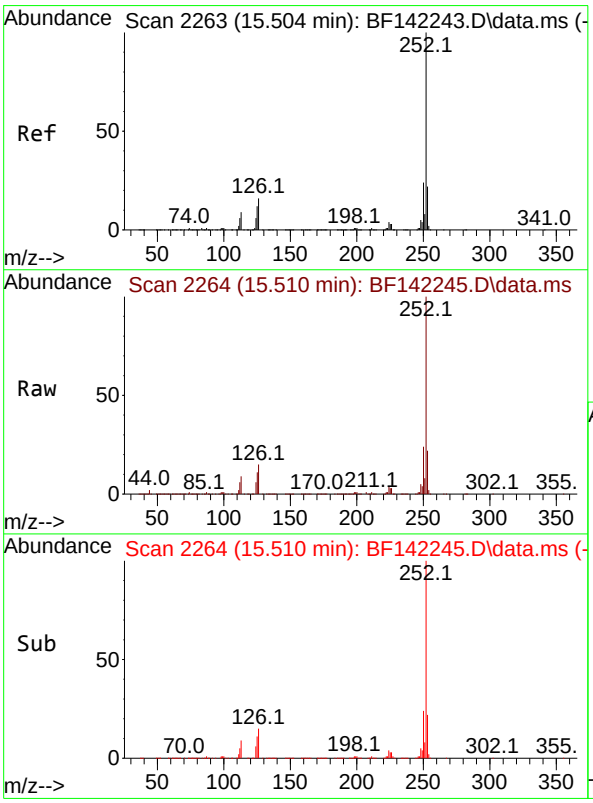
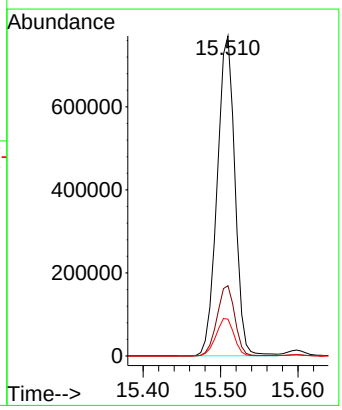
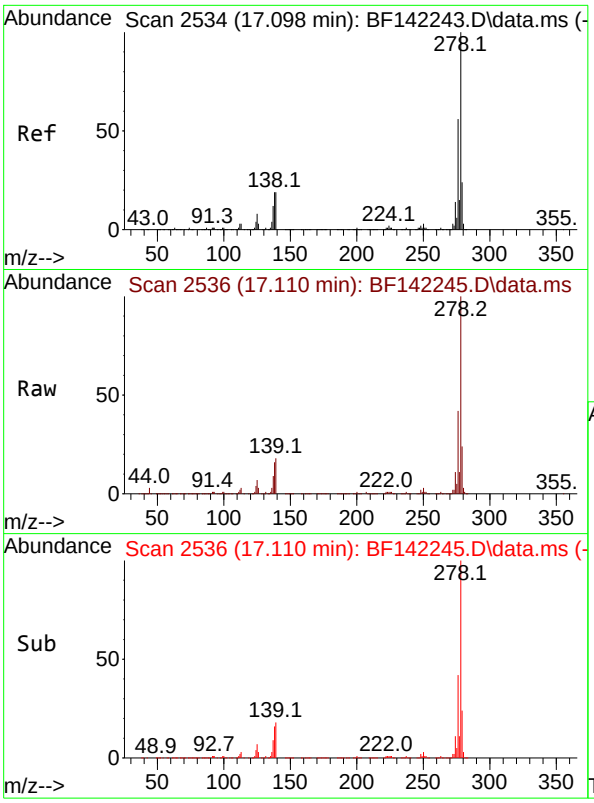


#90
Benzo(a)pyrene
Concen: 59.982 ng
RT: 15.510 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:252 Resp: 1232454

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.5	9.5	14.3

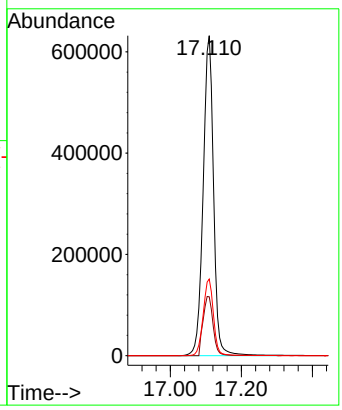




#91
Dibenzo(a,h)anthracene
Concen: 60.163 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:278 Resp: 129221

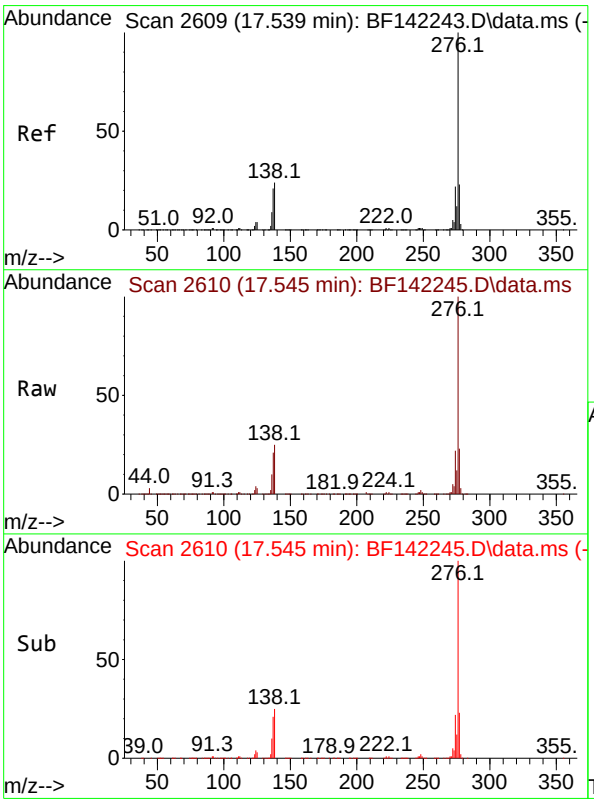
Ion	Ratio	Lower	Upper
278	100		
139	18.4	15.2	22.8
279	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

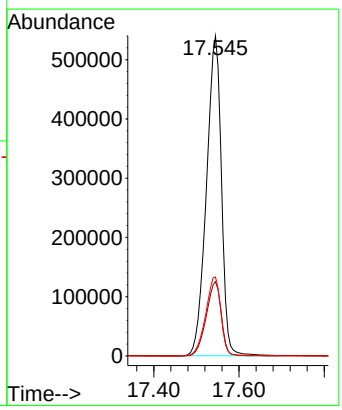
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



#92
Benzo(g,h,i)perylene
Concen: 60.904 ng
RT: 17.545 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF142245.D
Acq: 30 Apr 2025 14:15

Tgt Ion:276 Resp: 1315066

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.7	28.1
138	24.7	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142246.D
Acq On : 30 Apr 2025 14:43
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 30 15:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	192490	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	730774	20.000	ng		0.00
39) Acenaphthene-d10	9.951	164	381378	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	608907	20.000	ng		0.00
76) Chrysene-d12	14.080	240	323925	20.000	ng		0.00
86) Perylene-d12	15.568	264	374102	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	1741015	144.449	ng		0.00
7) Phenol-d6	6.534	99	2109624	144.946	ng		0.00
23) Nitrobenzene-d5	7.481	82	1929643	173.477	ng		0.00
42) 2,4,6-Tribromophenol	10.739	330	579431	166.657	ng		0.00
45) 2-Fluorobiphenyl	9.275	172	3399868	125.694	ng		0.00
79) Terphenyl-d14	13.027	244	2993632	134.413	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	408111	75.816	ng		99
3) Pyridine	3.469	79	1062667	75.959	ng		99
4) n-Nitrosodimethylamine	3.434	42	562539	77.702	ng		98
6) Aniline	6.575	93	1525082	74.030	ng		99
8) 2-Chlorophenol	6.692	128	942996	75.716	ng		99
9) Benzaldehyde	6.463	77	673391	66.197	ng		99
10) Phenol	6.551	94	1130209m	72.134	ng		
11) bis(2-Chloroethyl)ether	6.651	93	871905	71.808	ng		99
12) 1,3-Dichlorobenzene	6.851	146	1000058	70.979	ng		99
13) 1,4-Dichlorobenzene	6.928	146	997448	70.267	ng		99
14) 1,2-Dichlorobenzene	7.081	146	966587	71.326	ng		99
15) Benzyl Alcohol	7.051	79	787715	76.310	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1573151	71.749	ng		99
17) 2-Methylphenol	7.157	107	757239	74.219	ng		100
18) Hexachloroethane	7.428	117	347325	74.757	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	650174	72.291	ng		99
20) 3+4-Methylphenols	7.316	107	897475	70.340	ng	#	87
22) Acetophenone	7.328	105	1180939	69.853	ng		97
24) Nitrobenzene	7.498	77	917286	84.046	ng		100
25) Isophorone	7.739	82	1758014	75.306	ng		99
26) 2-Nitrophenol	7.810	139	416387	79.254	ng		98
27) 2,4-Dimethylphenol	7.839	122	883922	75.098	ng		100
28) bis(2-Chloroethoxy)met...	7.945	93	1070383	72.702	ng		99
29) 2,4-Dichlorophenol	8.045	162	768570	78.103	ng		99
30) 1,2,4-Trichlorobenzene	8.133	180	797476	72.623	ng		100
31) Naphthalene	8.216	128	2508082	68.820	ng		99
32) Benzoic acid	7.969	122	523215m	83.328	ng		
33) 4-Chloroaniline	8.263	127	1084543	71.465	ng		99
34) Hexachlorobutadiene	8.333	225	471301	73.564	ng		100
35) Caprolactam	8.645	113	242414	81.958	ng		97
36) 4-Chloro-3-methylphenol	8.739	107	776483	76.844	ng		99
37) 2-Methylnaphthalene	8.910	142	1559858	69.615	ng		99
38) 1-Methylnaphthalene	9.010	142	1583955	68.237	ng		99
40) 1,2,4,5-Tetrachloroben...	9.075	216	757210	70.548	ng		100
41) Hexachlorocyclopentadiene	9.063	237	523186	85.886	ng		99
43) 2,4,6-Trichlorophenol	9.180	196	545358	81.996	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142246.D
Acq On : 30 Apr 2025 14:43
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 30 15:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	557542	79.732	ng		99
46) 1,1'-Biphenyl	9.375	154	2006955	67.691	ng		99
47) 2-Chloronaphthalene	9.398	162	1547207	70.140	ng		99
48) 2-Nitroaniline	9.486	65	481954	79.390	ng		97
49) Acenaphthylene	9.816	152	2555385	68.650	ng		99
50) Dimethylphthalate	9.675	163	1757977	72.052	ng		99
51) 2,6-Dinitrotoluene	9.733	165	379127	78.246	ng		97
52) Acenaphthene	9.986	154	1517991	69.843	ng		99
53) 3-Nitroaniline	9.904	138	456571	78.061	ng		96
54) 2,4-Dinitrophenol	10.004	184	129817	79.532	ng	#	28
55) Dibenzofuran	10.157	168	2237085	68.664	ng		98
56) 4-Nitrophenol	10.045	139	335015	87.357	ng		97
57) 2,4-Dinitrotoluene	10.133	165	467545	78.915	ng		99
58) Fluorene	10.498	166	1634486	65.980	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	465050	80.286	ng		99
60) Diethylphthalate	10.375	149	1717661	71.292	ng		99
61) 4-Chlorophenyl-phenyle...	10.492	204	802224	68.190	ng		98
62) 4-Nitroaniline	10.522	138	410928	77.614	ng		98
63) Azobenzene	10.651	77	1674434	70.379	ng		99
65) 4,6-Dinitro-2-methylph...	10.545	198	183184	81.749	ng		96
66) n-Nitrosodiphenylamine	10.610	169	1518420	72.983	ng		99
67) 4-Bromophenyl-phenylether	10.980	248	514462	75.866	ng		97
68) Hexachlorobenzene	11.045	284	577203	75.999	ng		98
69) Atrazine	11.133	200	423886	77.296	ng		99
70) Pentachlorophenol	11.233	266	350009	87.235	ng		99
71) Phenanthrene	11.463	178	2288481	69.578	ng		99
72) Anthracene	11.516	178	2336551	69.482	ng		100
73) Carbazole	11.663	167	2087769	68.058	ng		99
74) Di-n-butylphthalate	11.998	149	2221417	72.002	ng		100
75) Fluoranthene	12.651	202	2137636	65.747	ng		98
77) Benzidine	12.768	184	1049467	76.247	ng		99
78) Pyrene	12.880	202	2118847	70.910	ng		99
80) Butylbenzylphthalate	13.498	149	659574	78.197	ng		98
81) Benzo(a)anthracene	14.068	228	1586778	72.970	ng		100
82) 3,3'-Dichlorobenzidine	14.033	252	563738	88.259	ng		99
83) Chrysene	14.104	228	1474094	74.470	ng		99
84) Bis(2-ethylhexyl)phtha...	14.057	149	915684	78.547	ng		100
85) Di-n-octyl phthalate	14.680	149	1722215	78.594	ng		100
87) Indeno(1,2,3-cd)pyrene	17.092	276	2128475	77.677	ng		99
88) Benzo(b)fluoranthene	15.133	252	1798083	77.378	ng		99
89) Benzo(k)fluoranthene	15.162	252	1439304	67.716	ng		100
90) Benzo(a)pyrene	15.509	252	1610193	75.685	ng		99
91) Dibenzo(a,h)anthracene	17.115	278	1712182	76.989	ng		99
92) Benzo(g,h,i)perylene	17.551	276	1738450	77.757	ng		99

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

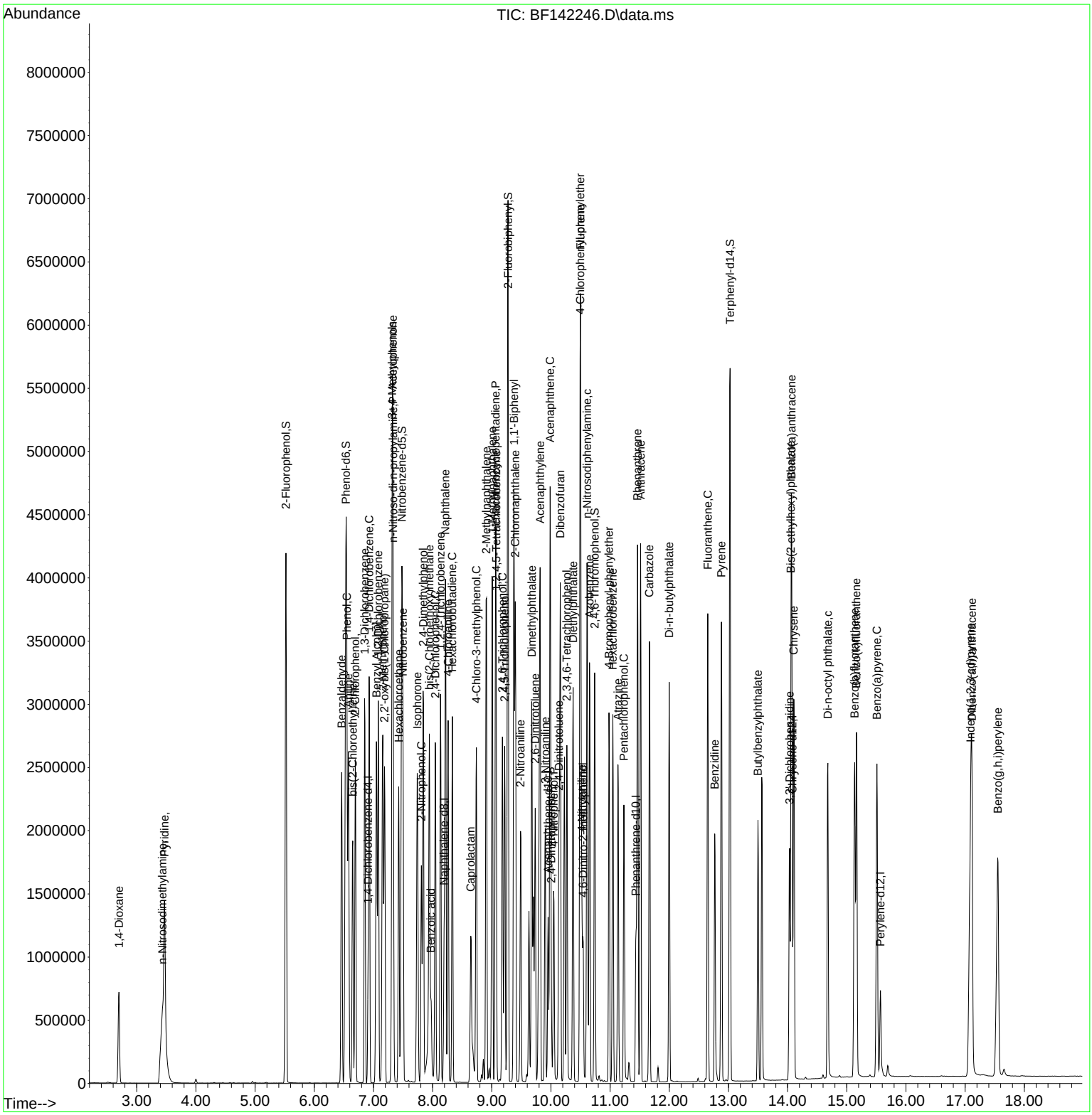
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142246.D
Acq On : 30 Apr 2025 14:43
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

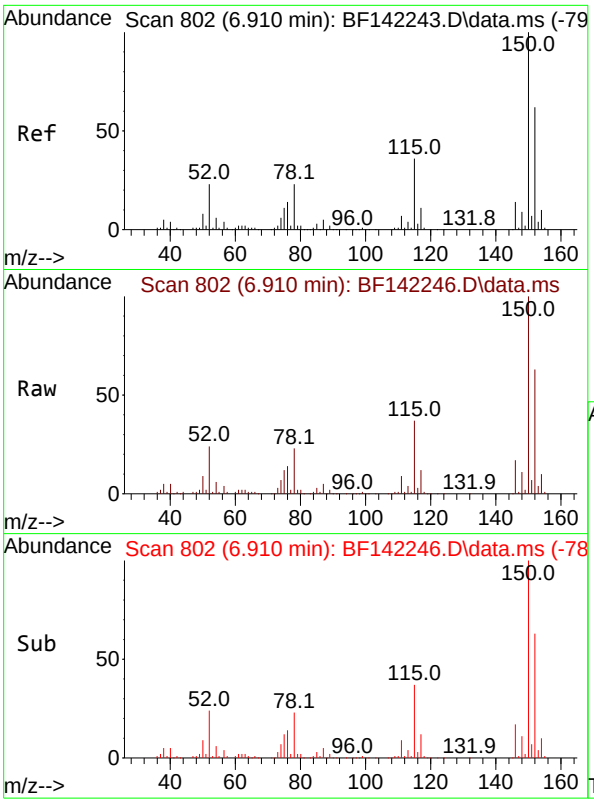
Quant Time: Apr 30 15:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

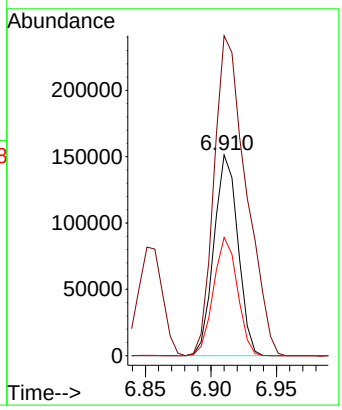




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:152 Resp: 19249

Ion	Ratio	Lower	Upper
152	100		
150	159.4	130.2	195.2
115	58.9	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/01/2025
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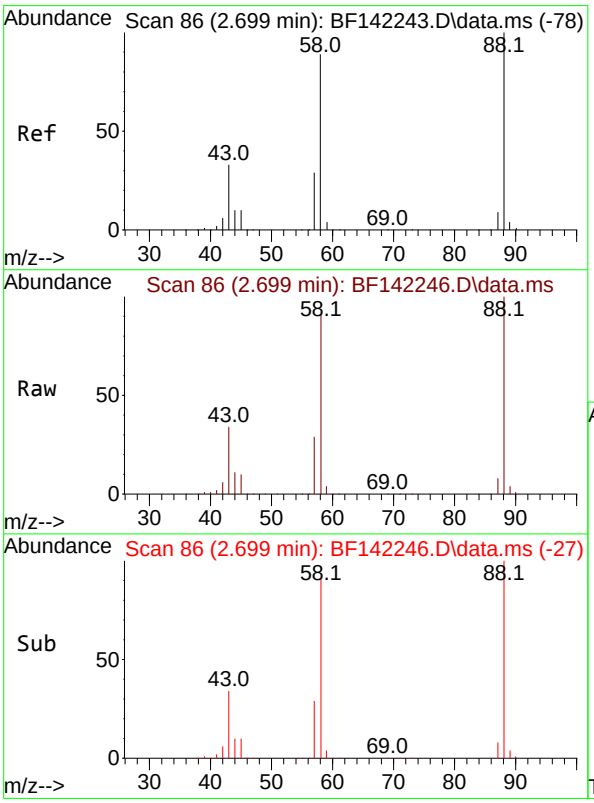
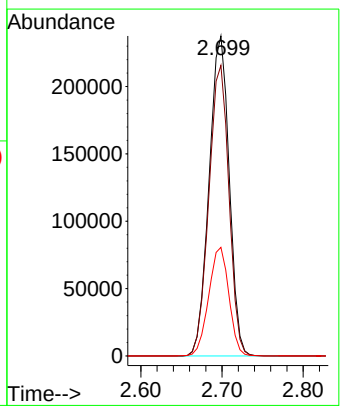
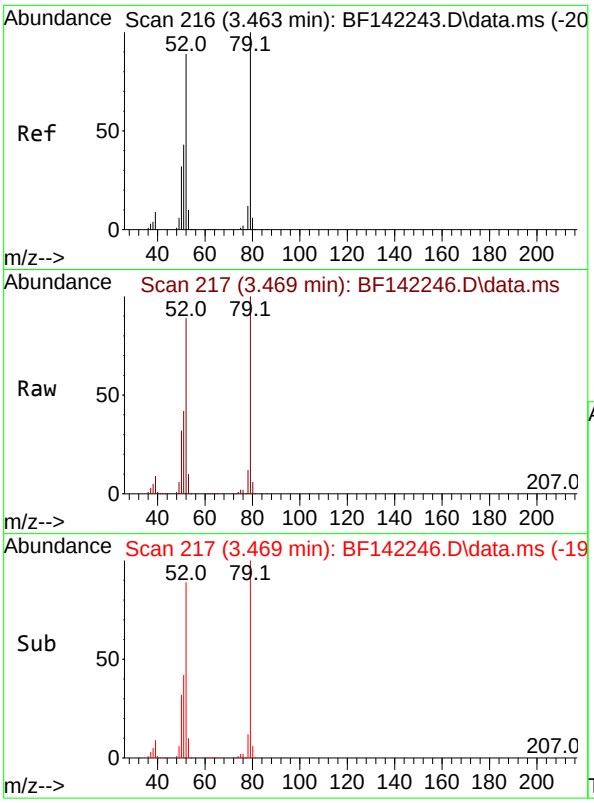


#2
1,4-Dioxane
Concen: 75.816 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 88 Resp: 408111

Ion	Ratio	Lower	Upper
88	100		
58	90.8	72.2	108.2
43	34.2	27.0	40.6





#3
Pyridine
Concen: 75.959 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 79 Resp: 106266

Ion	Ratio	Lower	Upper
79	100		
52	88.8	71.5	107.3
51	42.4	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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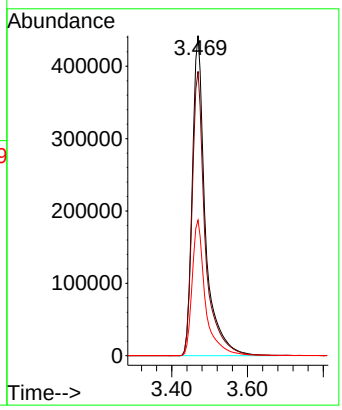
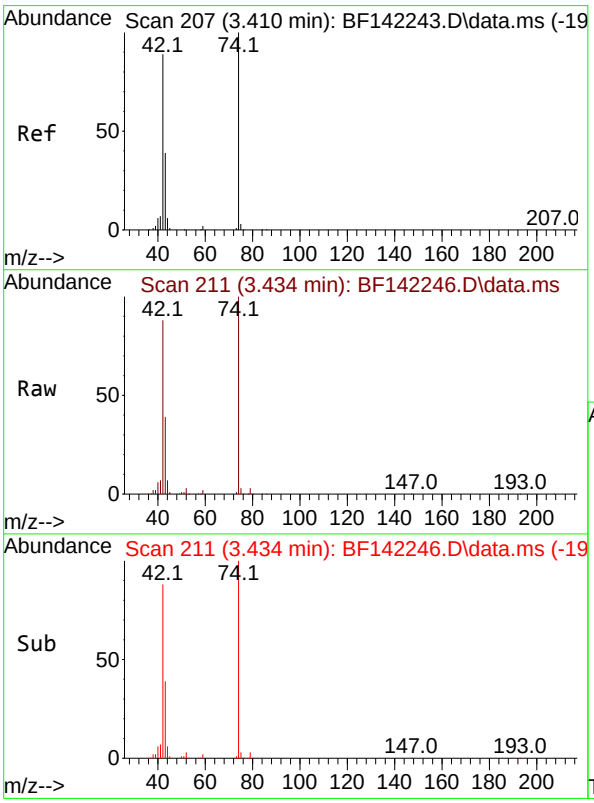
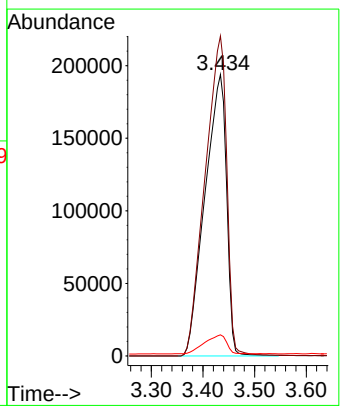


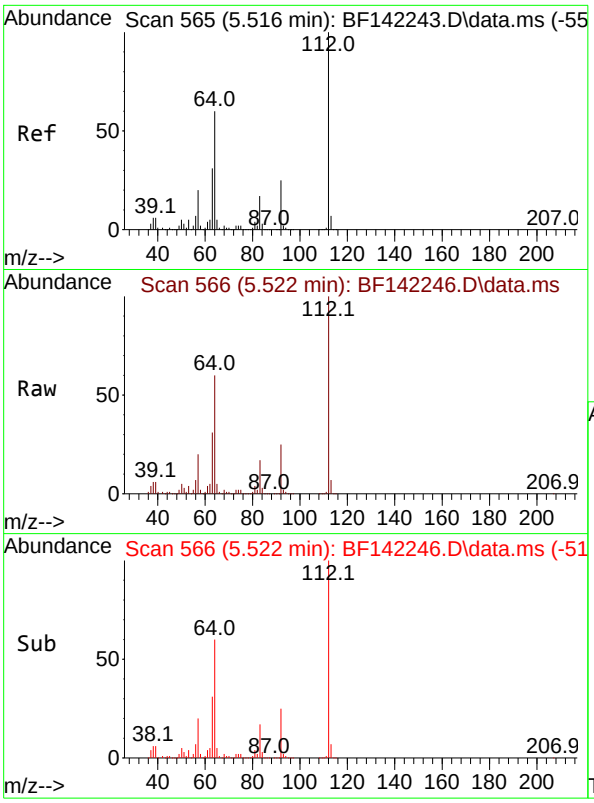


#4
n-Nitrosodimethylamine
Concen: 77.702 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.023 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 42 Resp: 562539

Ion	Ratio	Lower	Upper
42	100		
74	113.7	89.5	134.3
44	7.5	6.6	9.8





#5
2-Fluorophenol
Concen: 144.449 ng
RT: 5.522 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:112 Resp: 174101

Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.4	72.6
63	31.1	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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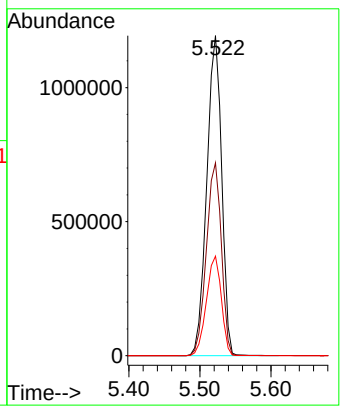
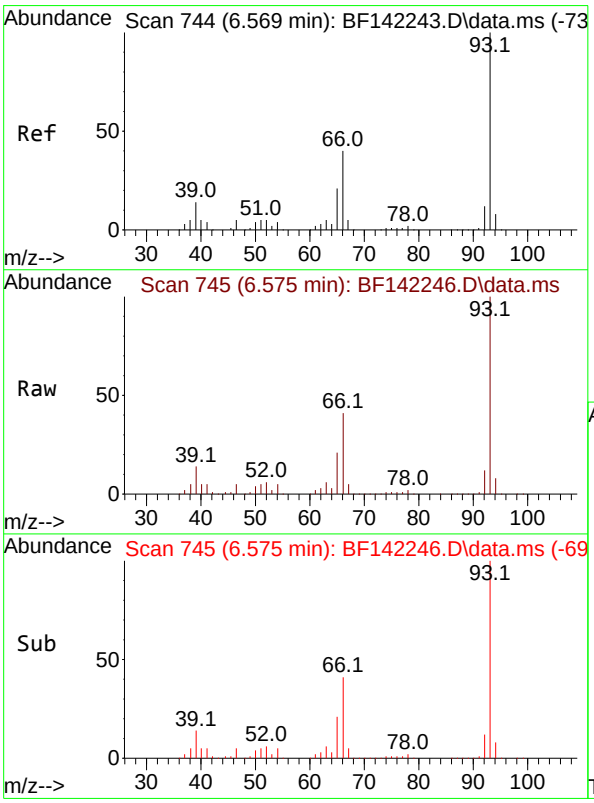
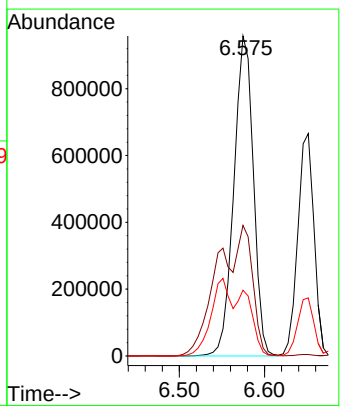


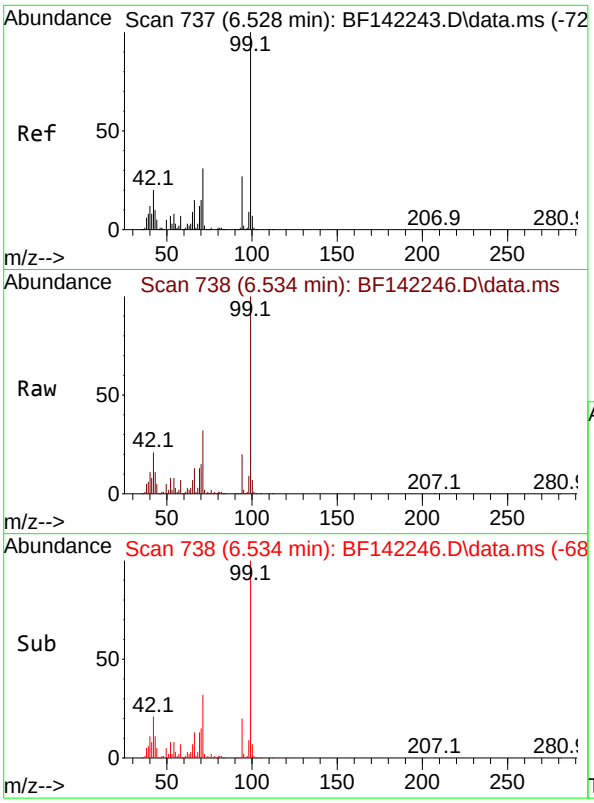


#6
Aniline
Concen: 74.030 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 93 Resp: 1525082

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.1	48.1
65	20.5	16.6	24.8

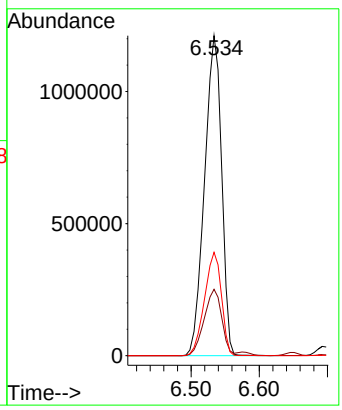




#7
Phenol-d6
Concen: 144.946 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 99 Resp: 210962

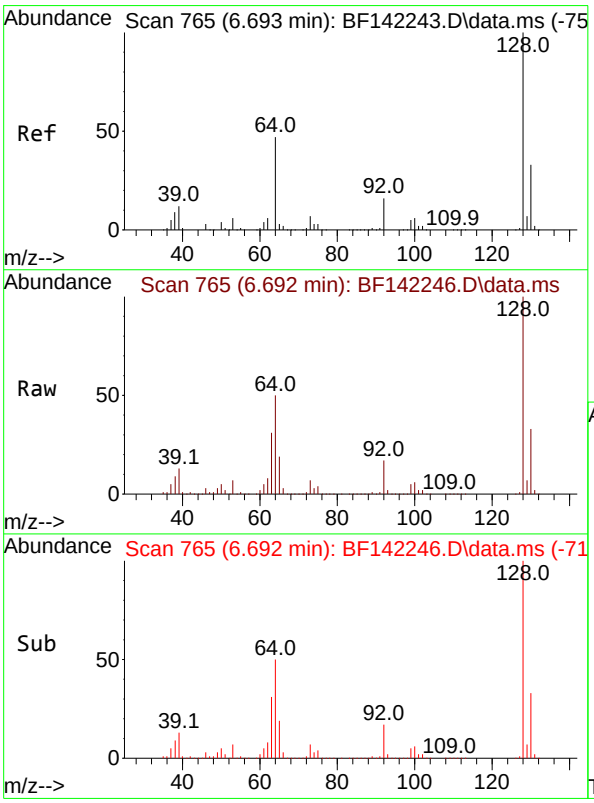
Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.3	24.5
71	32.3	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

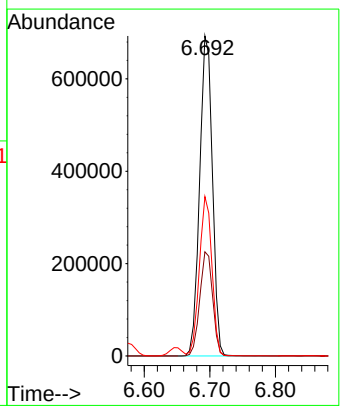
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

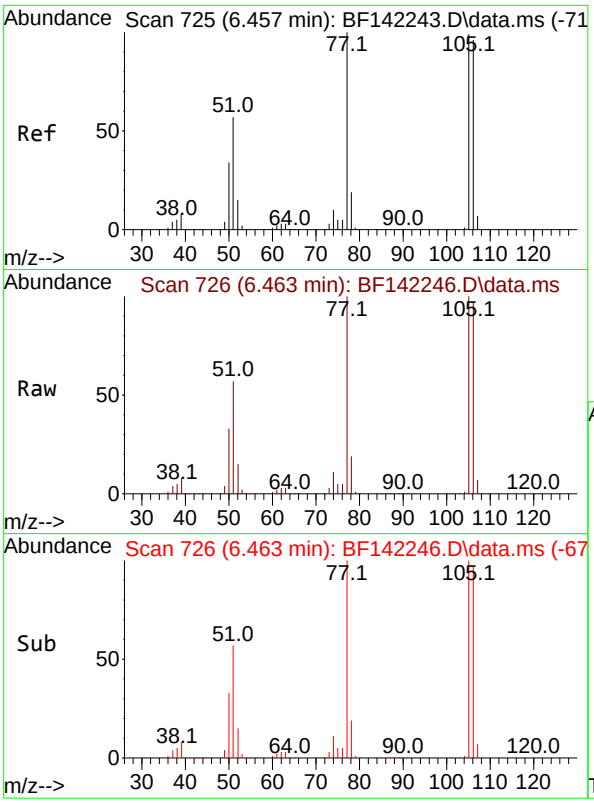


#8
2-Chlorophenol
Concen: 75.716 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:128 Resp: 942996

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	49.8	28.6	68.6

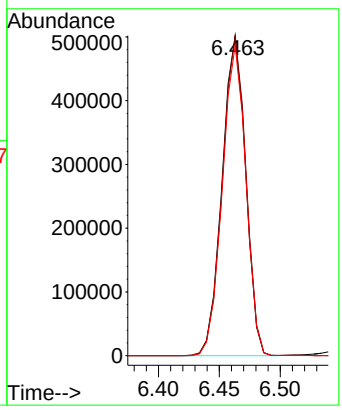




#9
Benzaldehyde
Concen: 66.197 ng
RT: 6.463 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 77 Resp: 67339

Ion	Ratio	Lower	Upper
77	100		
105	100.2	79.1	119.1
106	97.0	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
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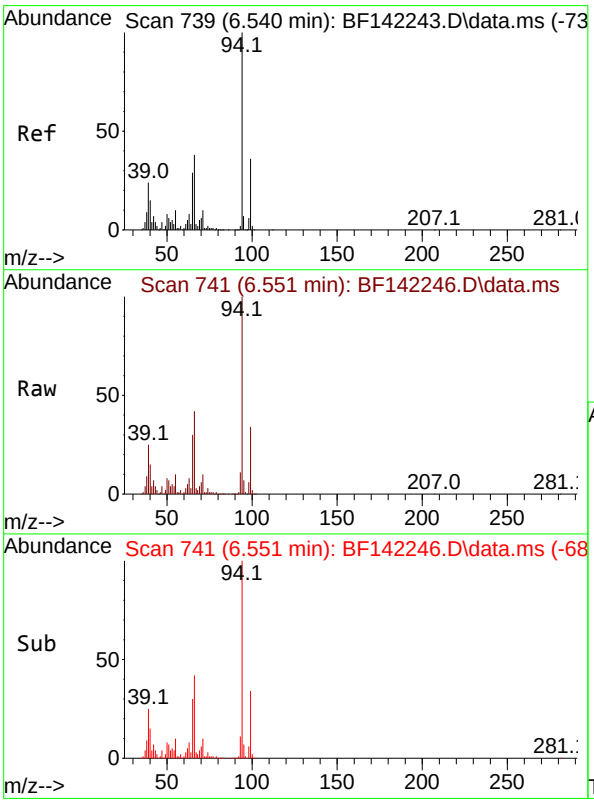
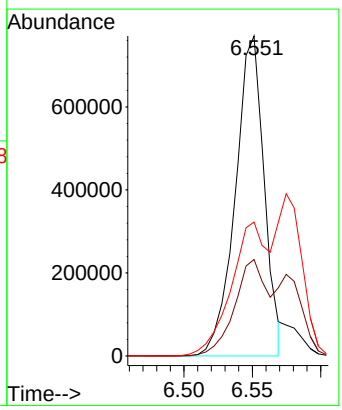
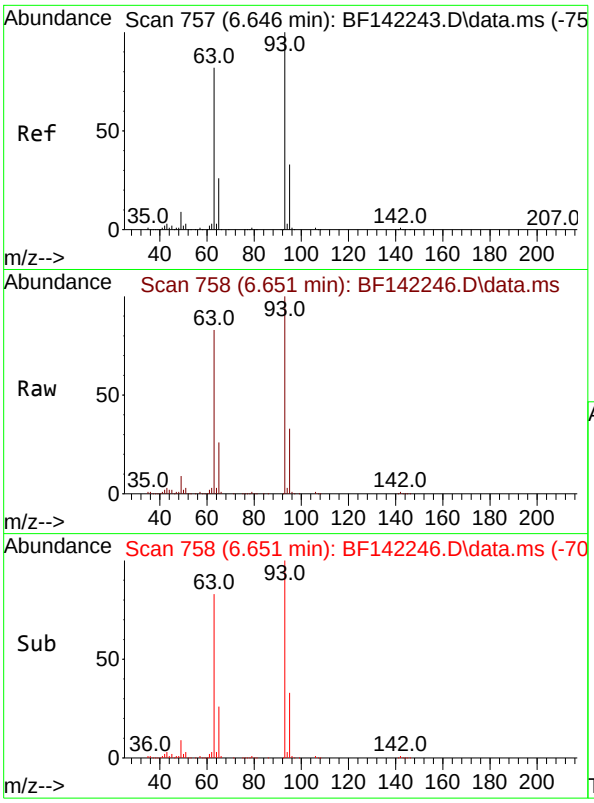


#10
Phenol
Concen: 72.134 ng m
RT: 6.551 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 94 Resp: 1130209

Ion	Ratio	Lower	Upper
94	100		
65	30.1	8.9	48.9
66	41.8	18.7	58.7

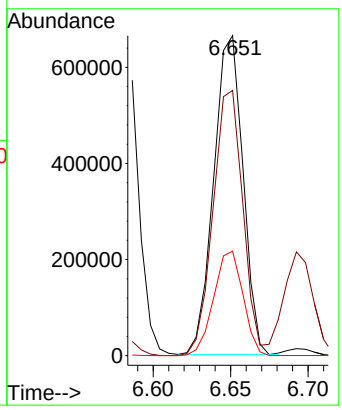




#11
bis(2-Chloroethyl)ether
Concen: 71.808 ng
RT: 6.651 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 93 Resp: 87190

Ion	Ratio	Lower	Upper
93	100		
63	82.9	62.2	102.2
95	32.7	12.7	52.7



Instrument :
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ClientSampleId :
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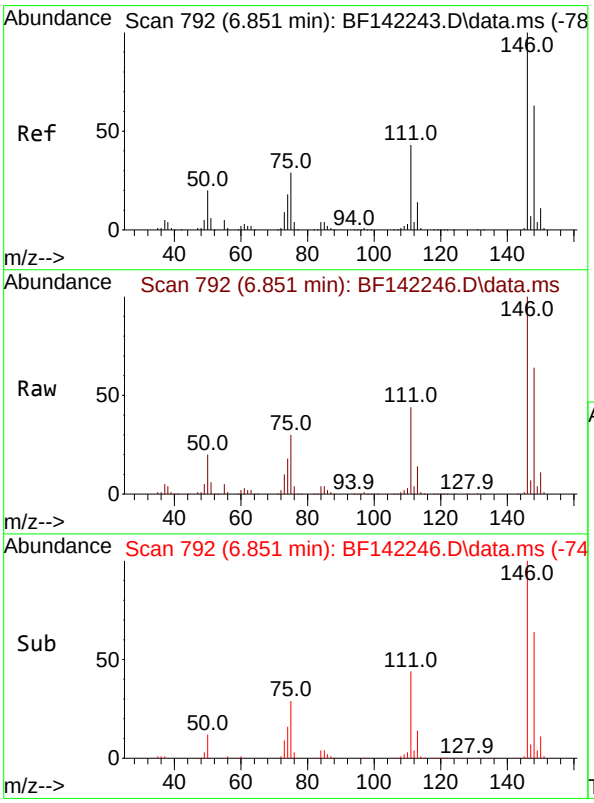
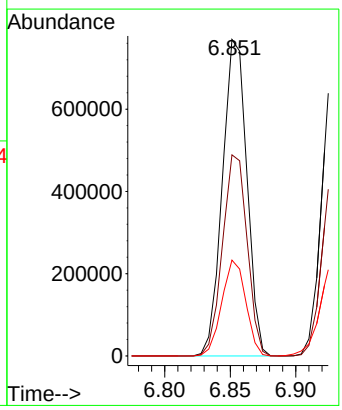
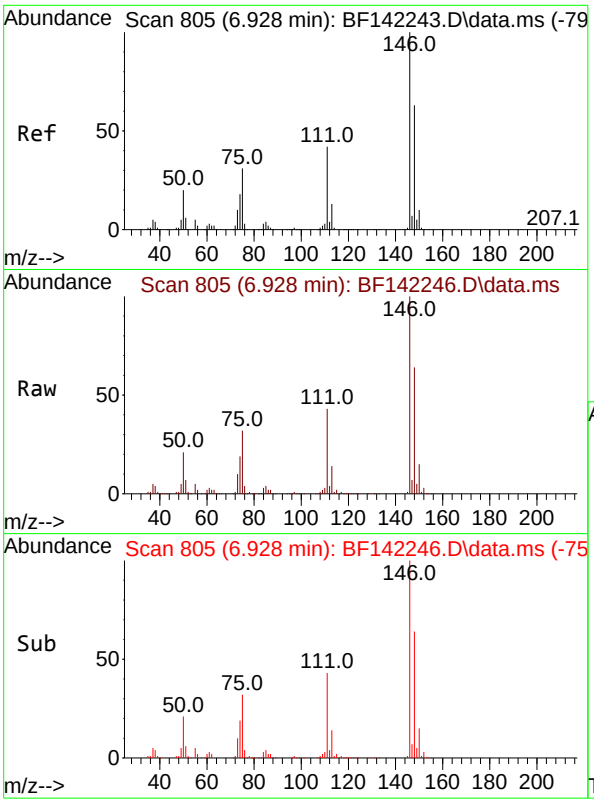


#12
1,3-Dichlorobenzene
Concen: 70.979 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:146 Resp: 1000058

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
75	30.3	23.2	34.8

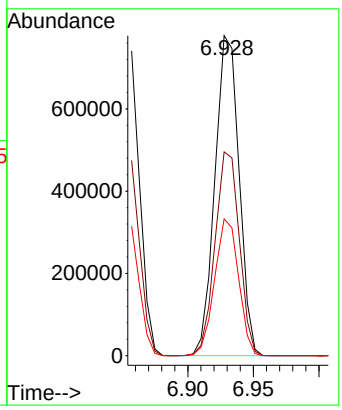




#13
1,4-Dichlorobenzene
Concen: 70.267 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:146 Resp: 99744

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	42.7	33.4	50.0



Instrument :
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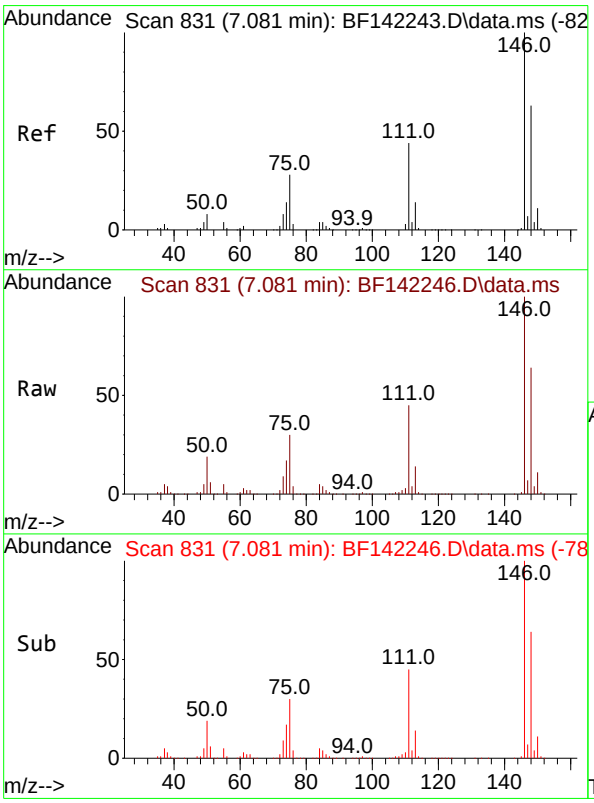
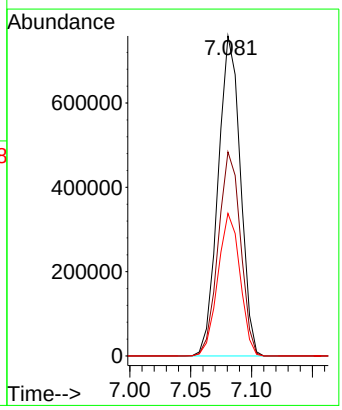
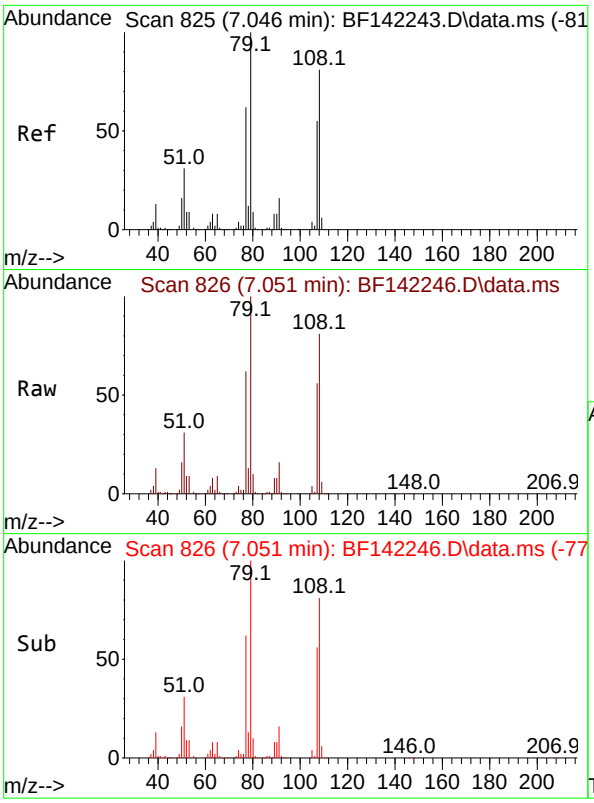


#14
1,2-Dichlorobenzene
Concen: 71.326 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:146 Resp: 966587

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	44.6	34.9	52.3





#15
Benzyl Alcohol
Concen: 76.310 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 79 Resp: 78771

Ion	Ratio	Lower	Upper
79	100		
108	81.5	64.5	96.7
77	62.3	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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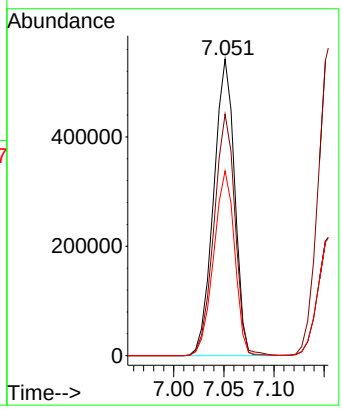
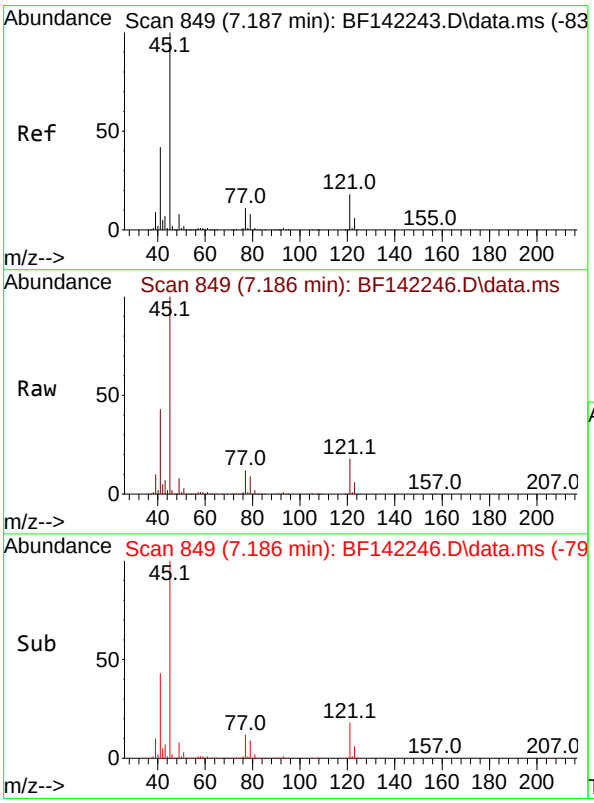
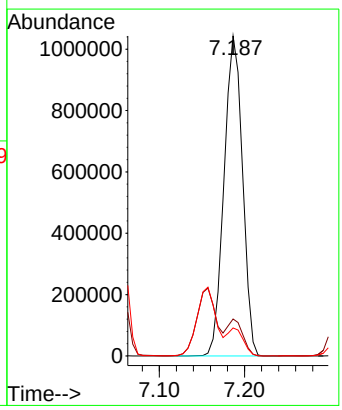


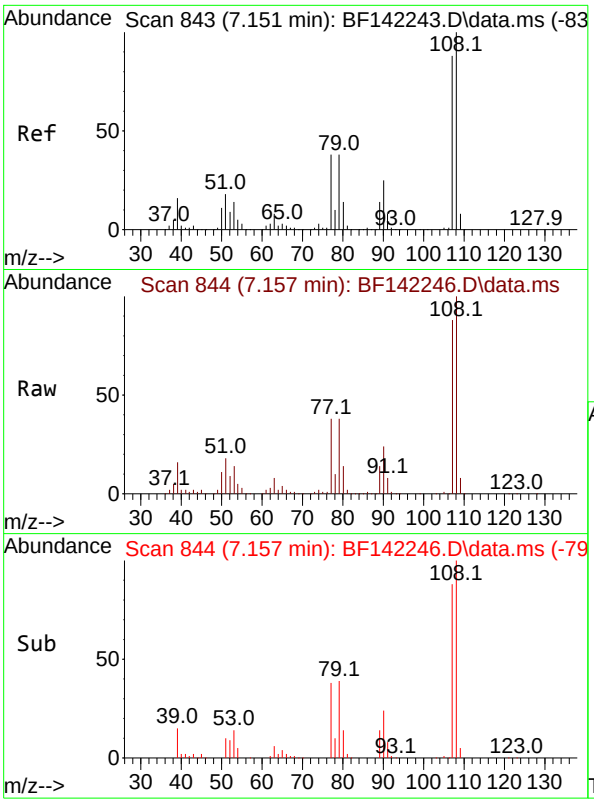


#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.749 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 45 Resp: 1573151

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.3
79	8.8	0.0	28.5

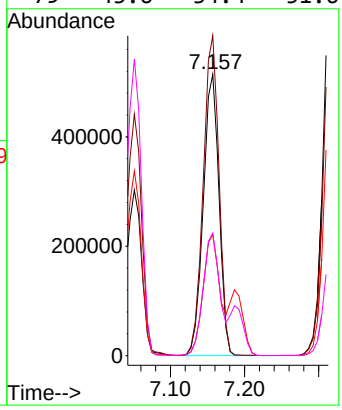




#17
2-Methylphenol
Concen: 74.219 ng
RT: 7.157 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:107 Resp: 75723

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.0	34.4	51.6
79	43.6	34.4	51.6



Instrument :
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ClientSampleId :
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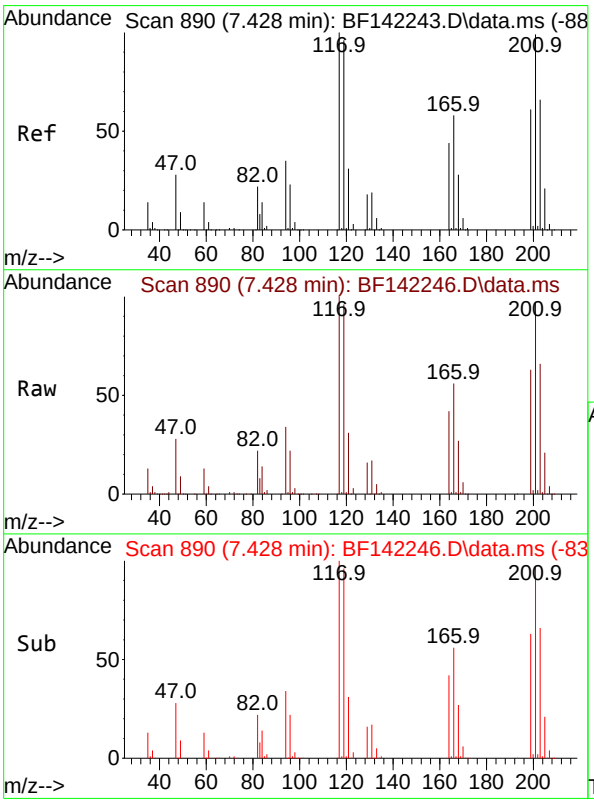
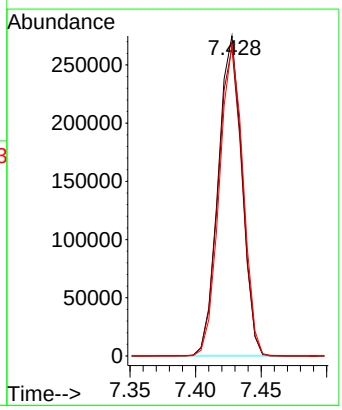
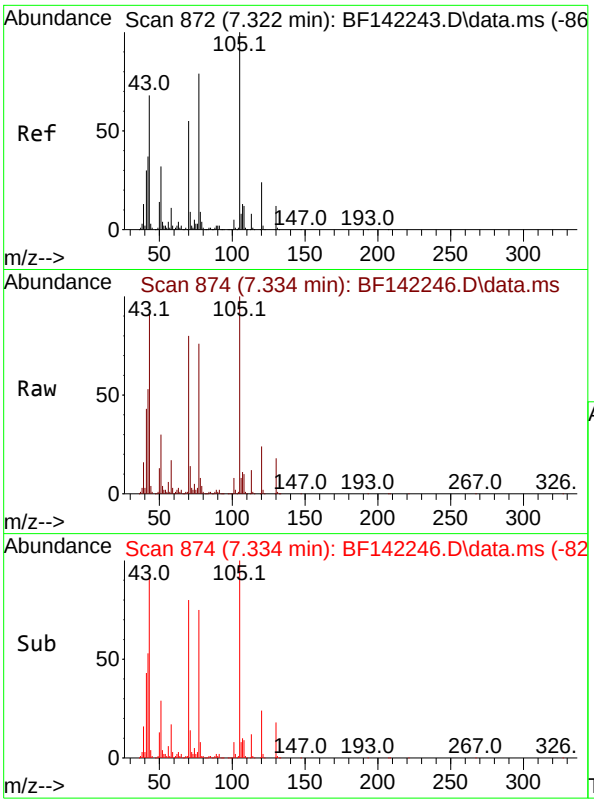


#18
Hexachloroethane
Concen: 74.757 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:117 Resp: 347325

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
201	97.4	79.4	119.2

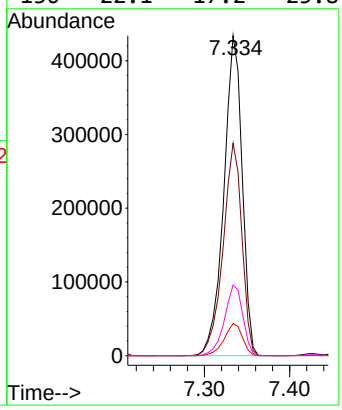




#19
n-Nitroso-di-n-propylamine
Concen: 72.291 ng
RT: 7.334 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 70 Resp: 65017

Ion	Ratio	Lower	Upper
70	100		
42	66.3	53.4	80.2
101	10.0	7.7	11.5
130	22.1	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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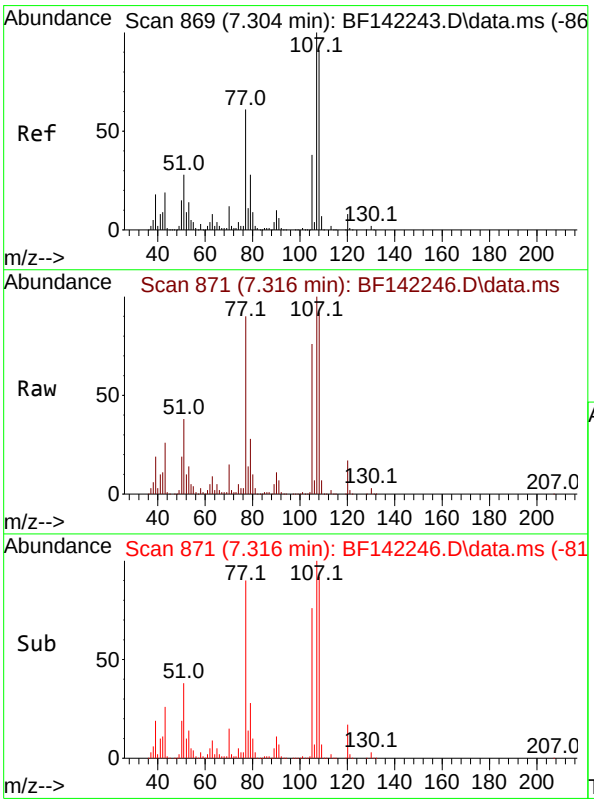
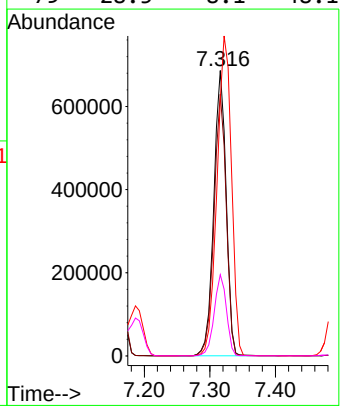
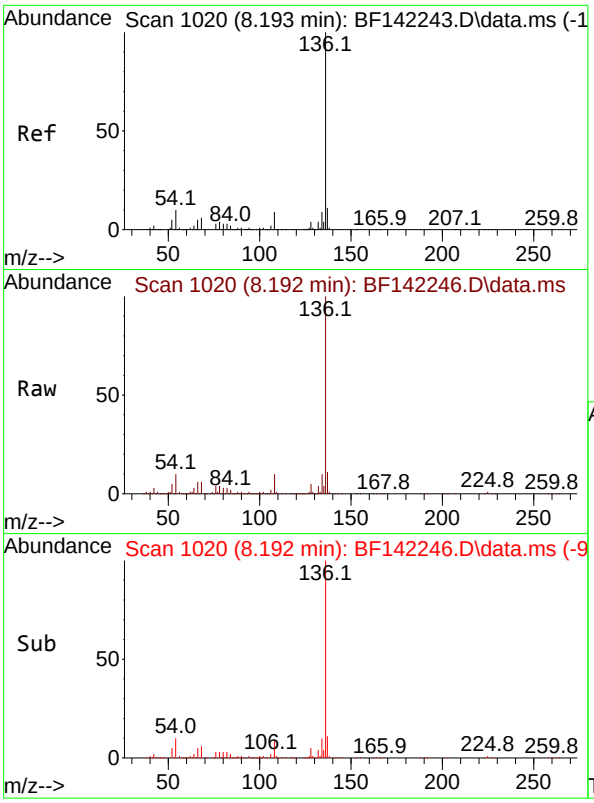


#20
3+4-Methylphenols
Concen: 70.340 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:107 Resp: 897475

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.2	111.2
77	89.8	41.1	81.1#
79	28.5	8.1	48.1

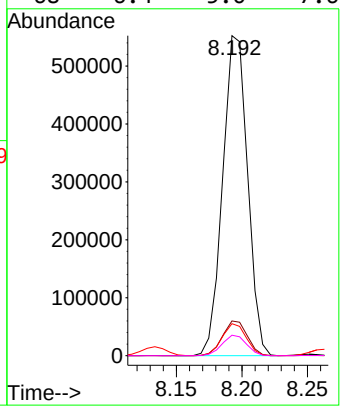




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:136 Resp: 73077

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.0	7.7	11.5
68	6.4	5.0	7.6



Instrument :
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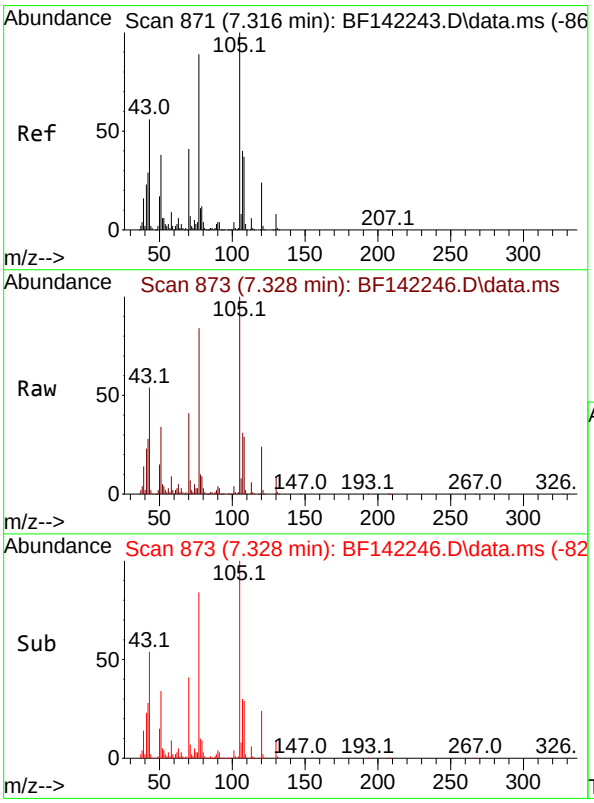
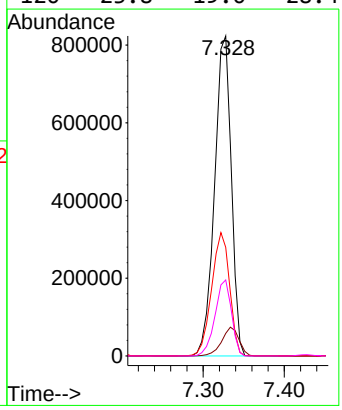
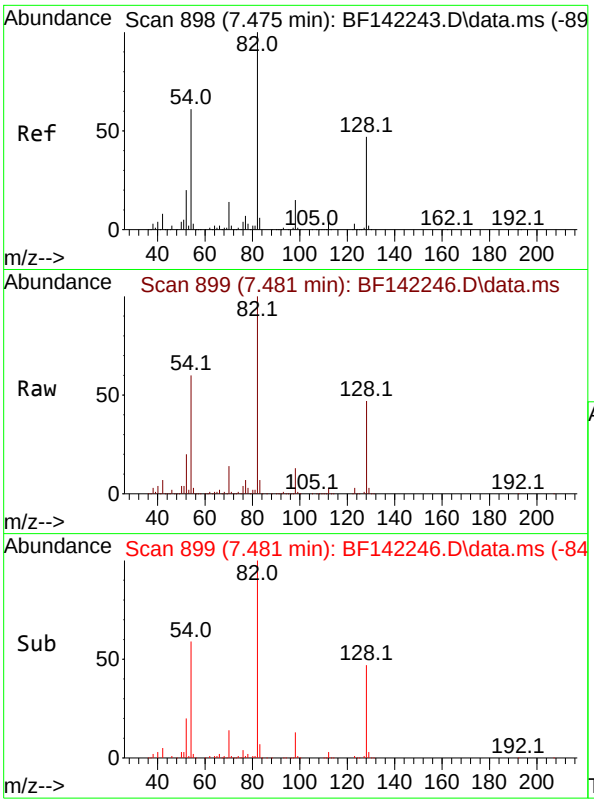


#22
Acetophenone
Concen: 69.853 ng
RT: 7.328 min Scan# 873
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:105 Resp: 1180939

Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.7	8.5
51	33.9	30.1	45.1
120	23.8	19.0	28.4





#23
Nitrobenzene-d5
Concen: 173.477 ng
RT: 7.481 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 82 Resp: 192964

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	59.7	48.0	72.0

Instrument :
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ClientSampleId :
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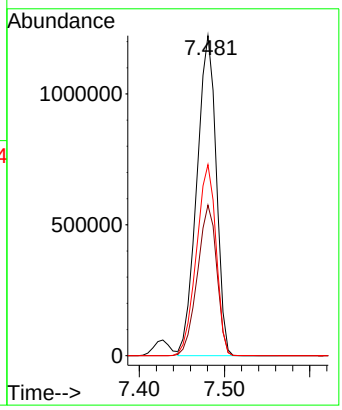
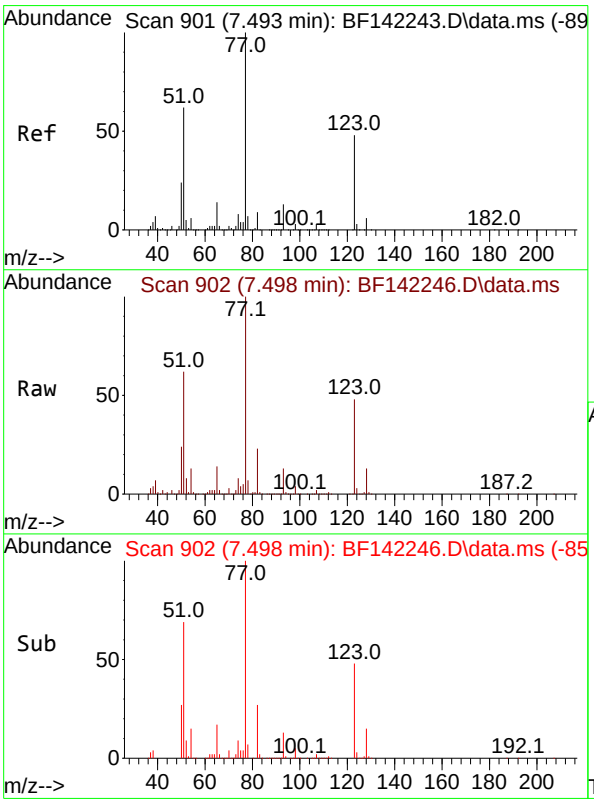
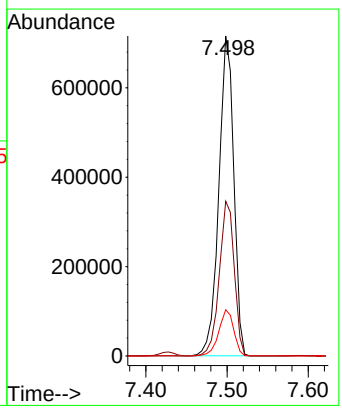


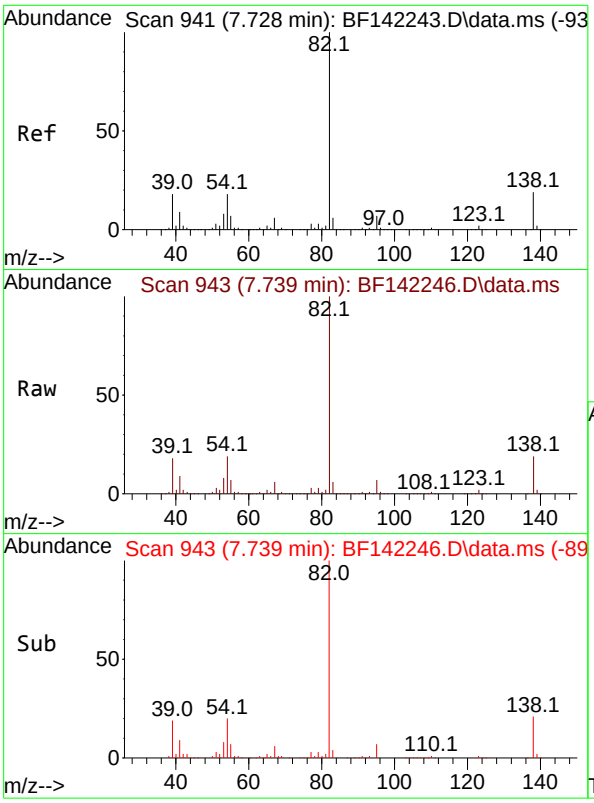


#24
Nitrobenzene
Concen: 84.046 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 77 Resp: 917286

Ion	Ratio	Lower	Upper
77	100		
123	48.4	38.6	58.0
65	14.4	11.5	17.3

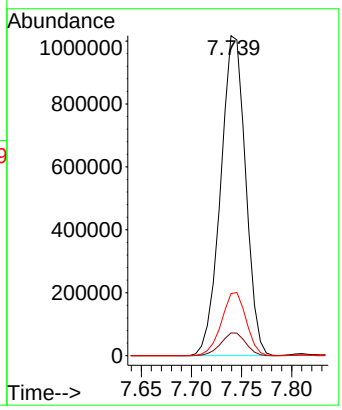




#25
Isophorone
Concen: 75.306 ng
RT: 7.739 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 82 Resp: 175801

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.4	15.3	22.9



Instrument :
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ClientSampleId :
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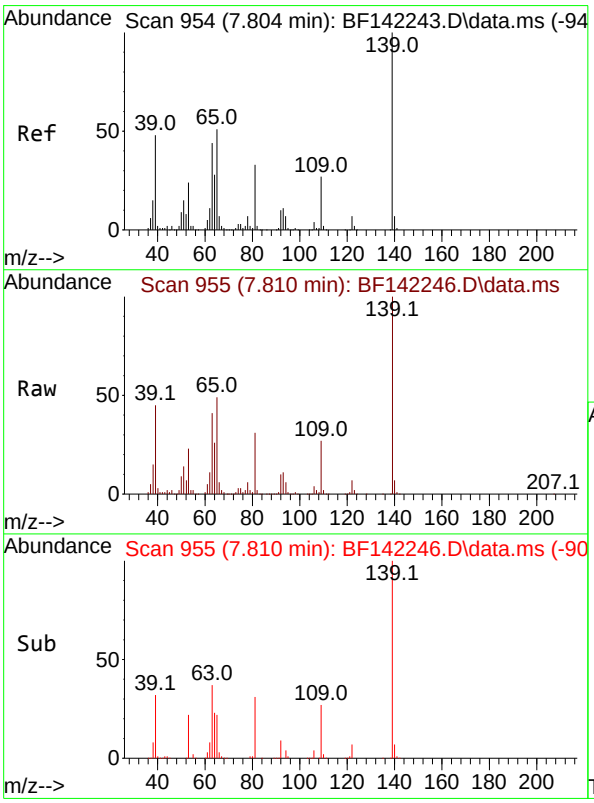
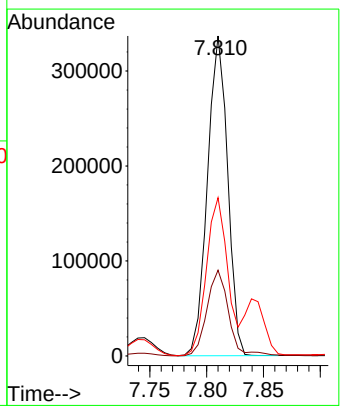
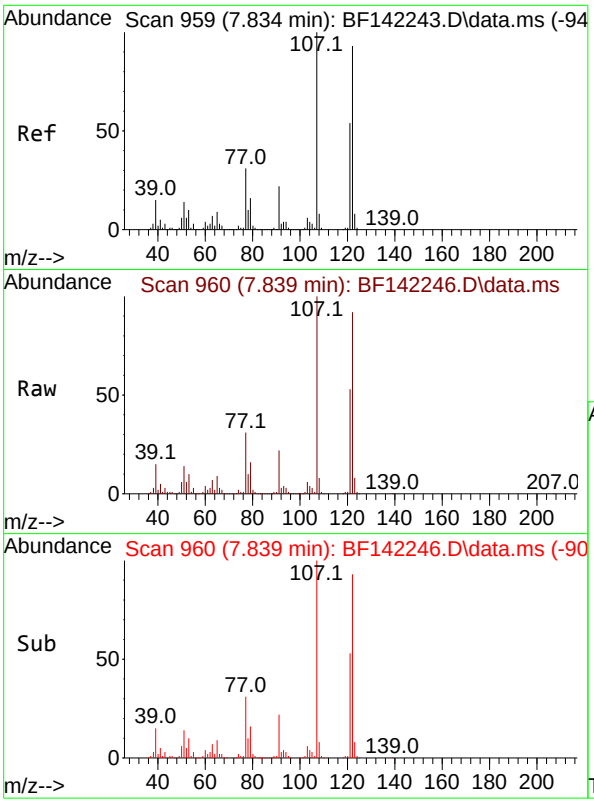


#26
2-Nitrophenol
Concen: 79.254 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:139 Resp: 416387

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.8	32.8
65	49.4	41.1	61.7

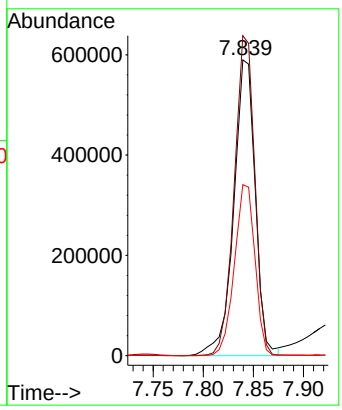




#27
2,4-Dimethylphenol
Concen: 75.098 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:122 Resp: 88392

Ion	Ratio	Lower	Upper
122	100		
107	108.1	86.0	129.0
121	57.8	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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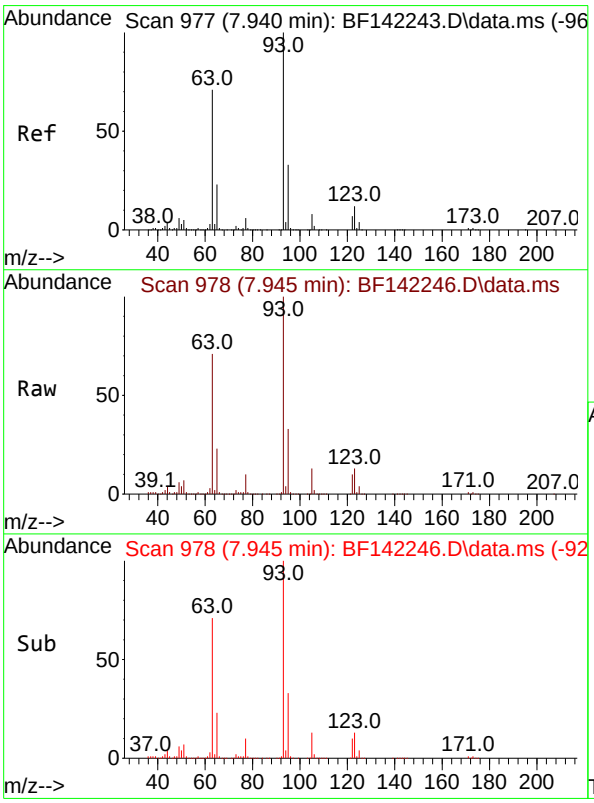
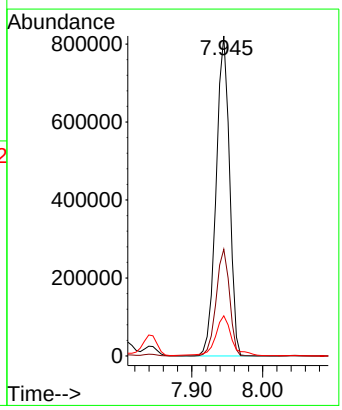
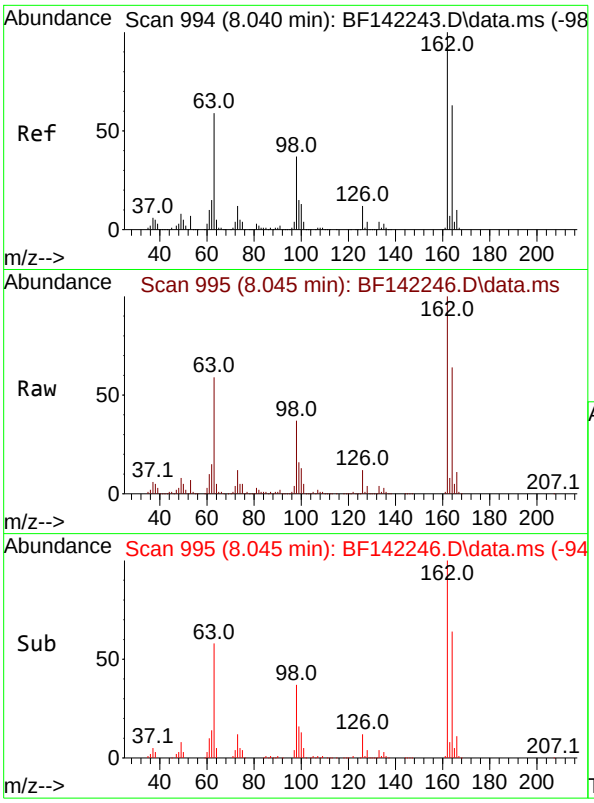


#28
bis(2-Chloroethoxy)methane
Concen: 72.702 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 93 Resp: 1070383

Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.2	39.2
123	12.5	9.7	14.5

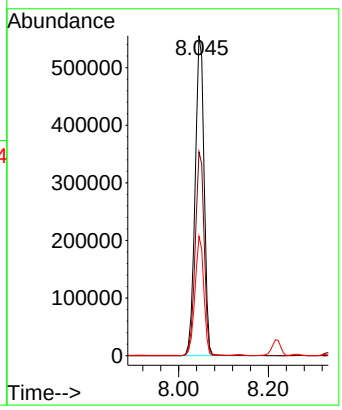




#29
2,4-Dichlorophenol
Concen: 78.103 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:162 Resp: 76857

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.0	83.0
98	37.3	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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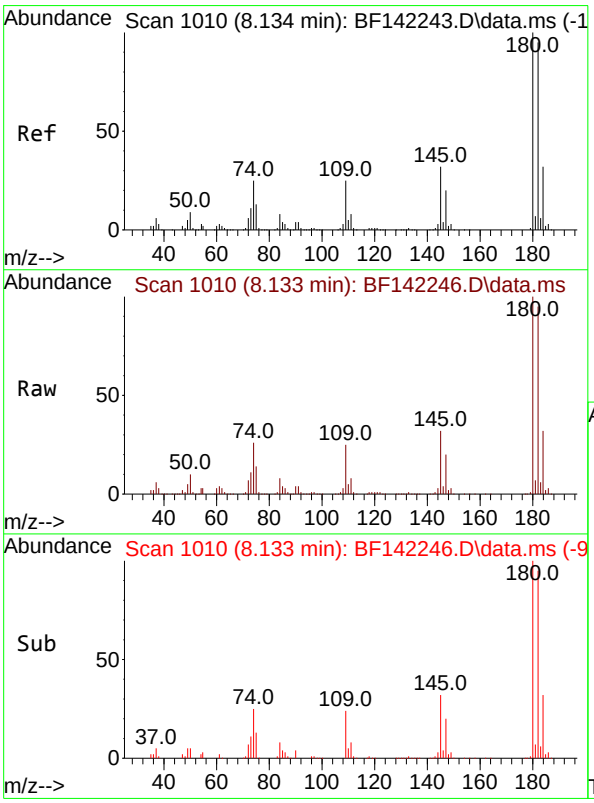
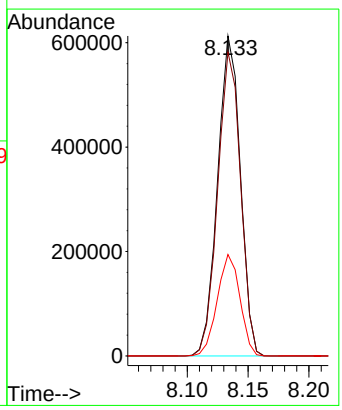
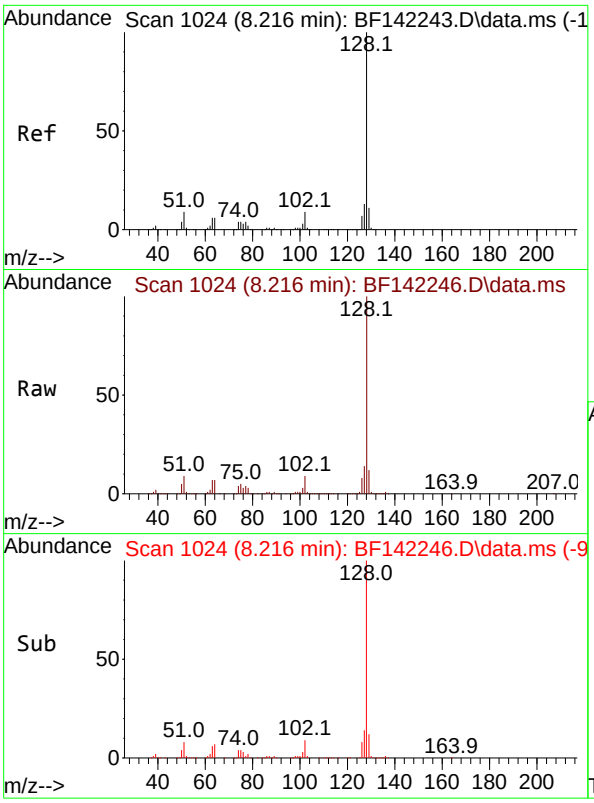


#30
1,2,4-Trichlorobenzene
Concen: 72.623 ng
RT: 8.133 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:180 Resp: 797476

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.7	113.5
145	31.7	25.4	38.0

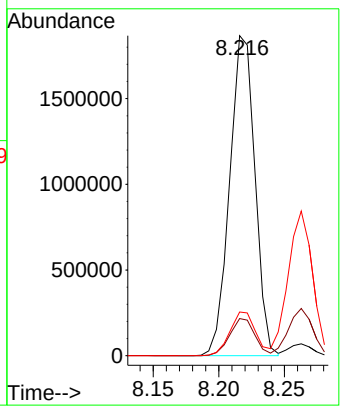




#31
Naphthalene
Concen: 68.820 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:128 Resp: 250808

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.4
127	13.7	10.6	15.8



Instrument :
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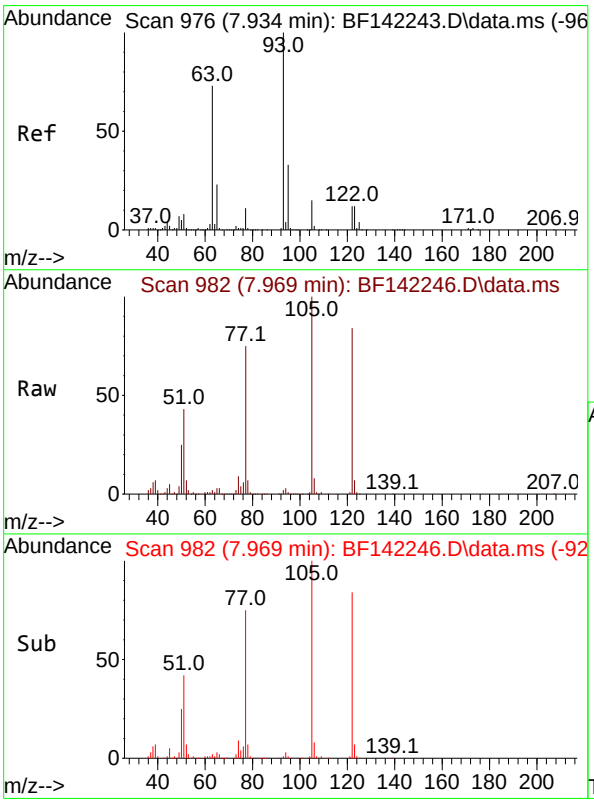
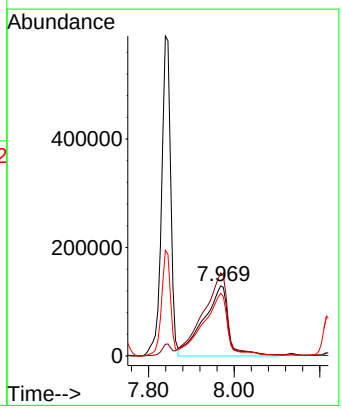
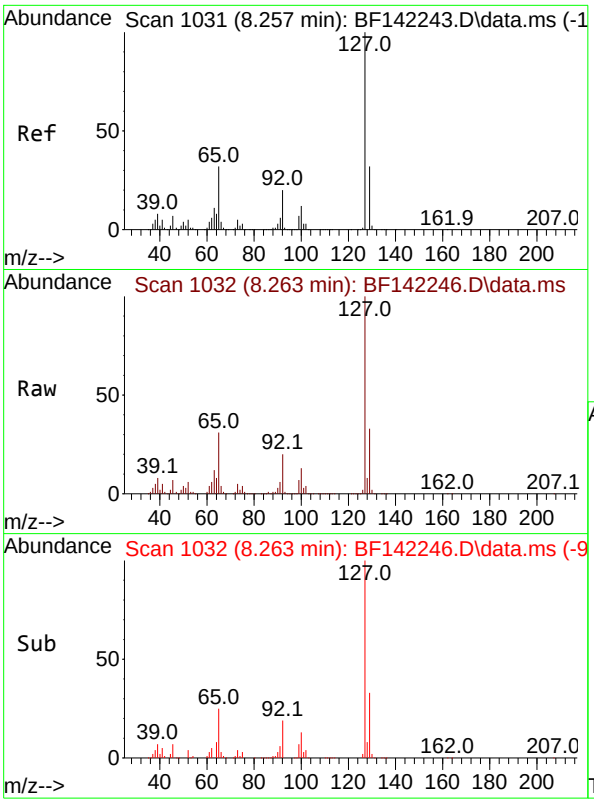


#32
Benzoic acid
Concen: 83.328 ng m
RT: 7.969 min Scan# 982
Delta R.T. 0.035 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:122 Resp: 523215

Ion	Ratio	Lower	Upper
122	100		
105	118.4	98.2	138.2
77	89.2	66.8	106.8

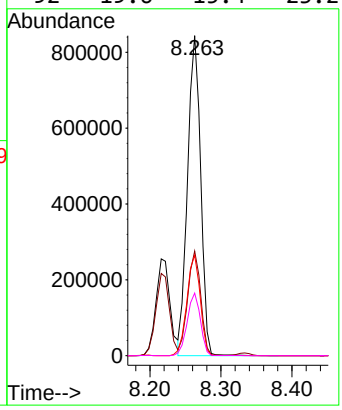




#33
4-Chloroaniline
Concen: 71.465 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:127 Resp: 108454

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	31.4	25.5	38.3
92	19.6	15.4	23.2



Instrument :
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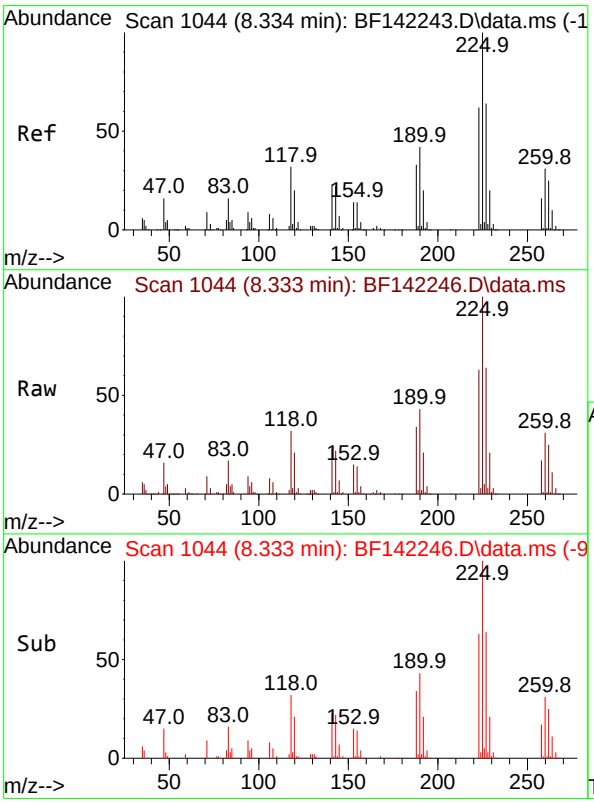
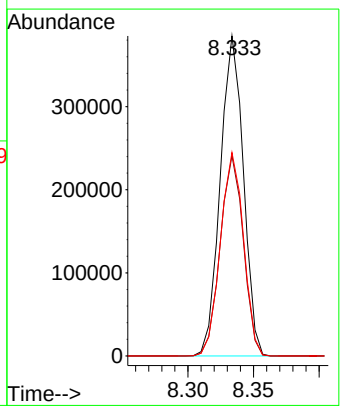
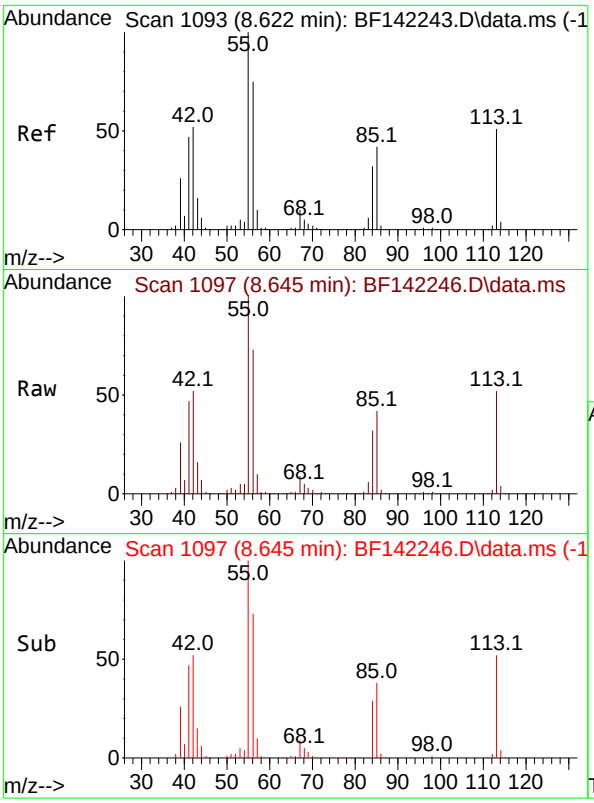


#34
Hexachlorobutadiene
Concen: 73.564 ng
RT: 8.333 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:225 Resp: 471301

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	63.6	51.0	76.4

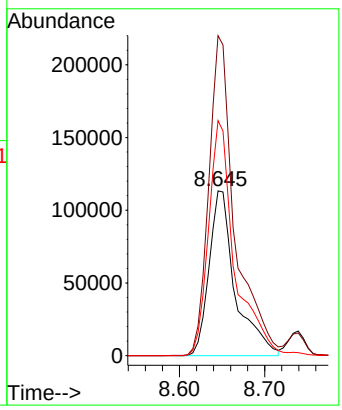




#35
Caprolactam
Concen: 81.958 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.023 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:113 Resp: 24241

Ion	Ratio	Lower	Upper
113	100		
55	194.1	177.7	217.7
56	142.5	127.1	167.1



Instrument :
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ClientSampleId :
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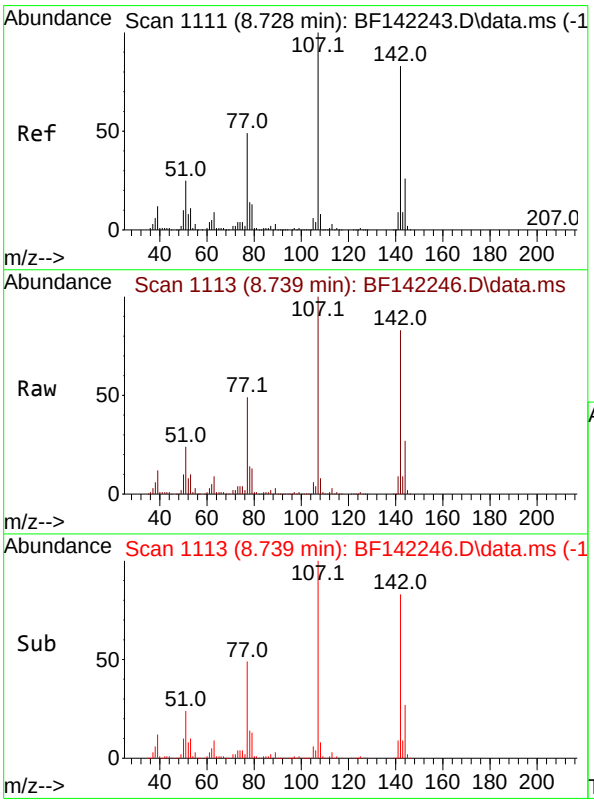
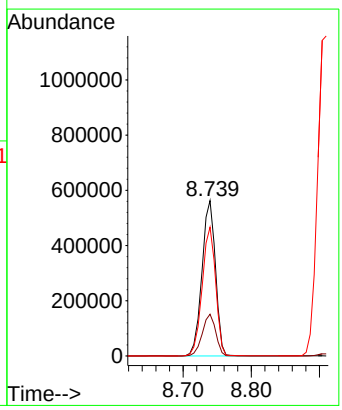
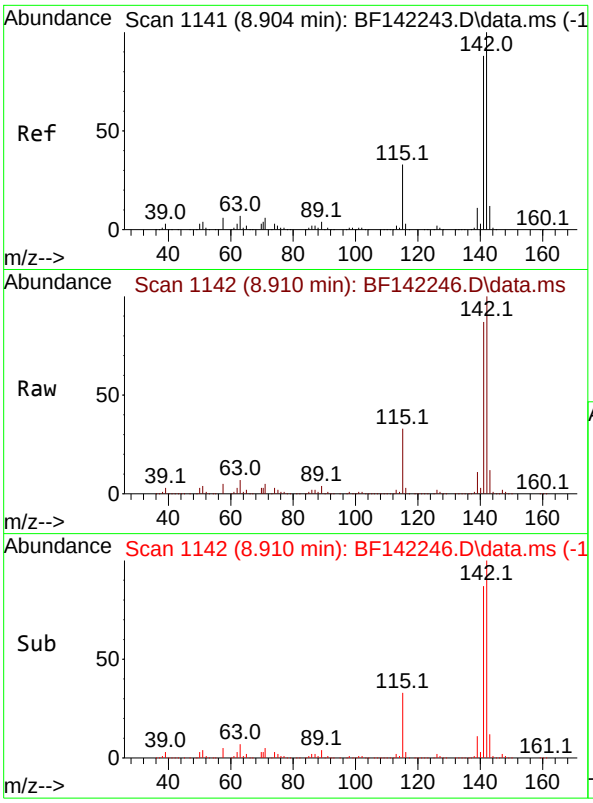


#36
4-Chloro-3-methylphenol
Concen: 76.844 ng
RT: 8.739 min Scan# 1113
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:107 Resp: 776483

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.0	31.4
142	82.9	66.1	99.1

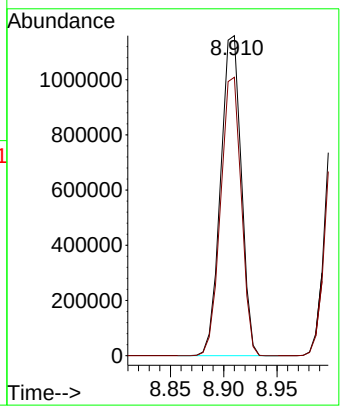




#37
2-Methylnaphthalene
Concen: 69.615 ng
RT: 8.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:142 Resp: 155985

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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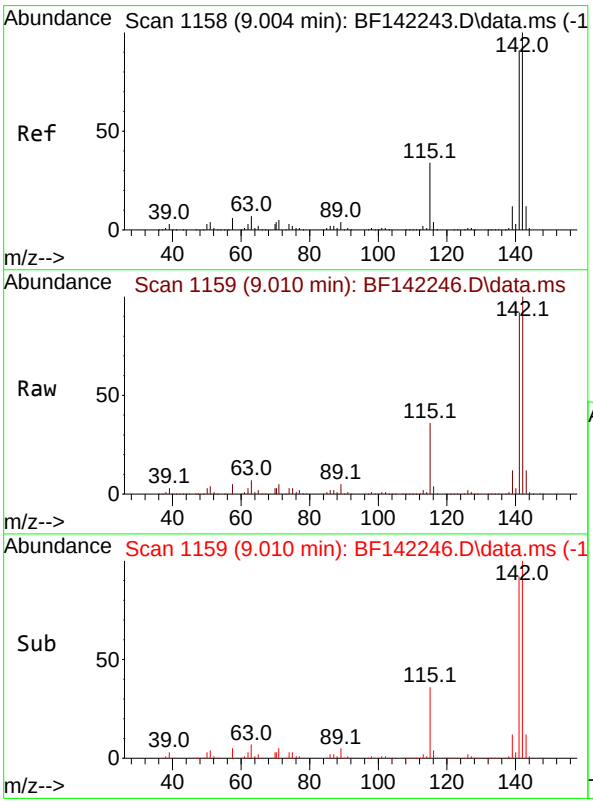
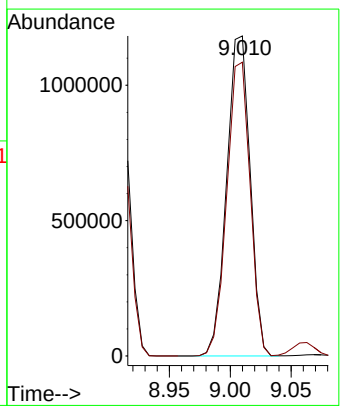
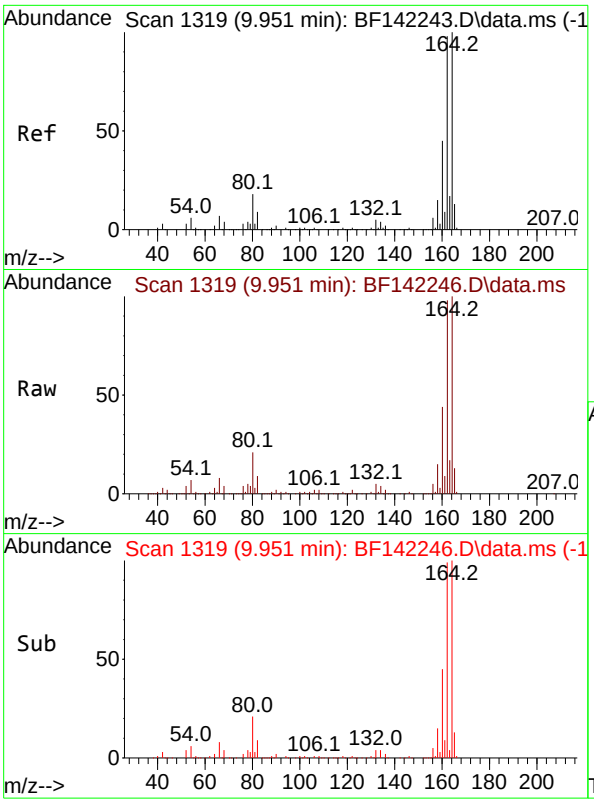


#38
1-Methylnaphthalene
Concen: 68.237 ng
RT: 9.010 min Scan# 1159
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:142 Resp: 1583955

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.8	109.2

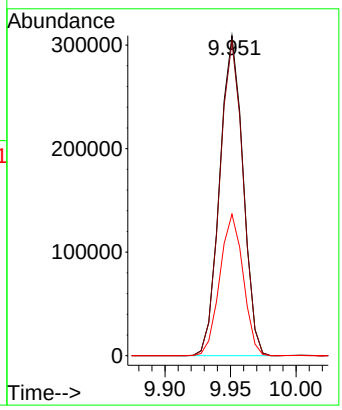




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:164 Resp: 38137

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.2	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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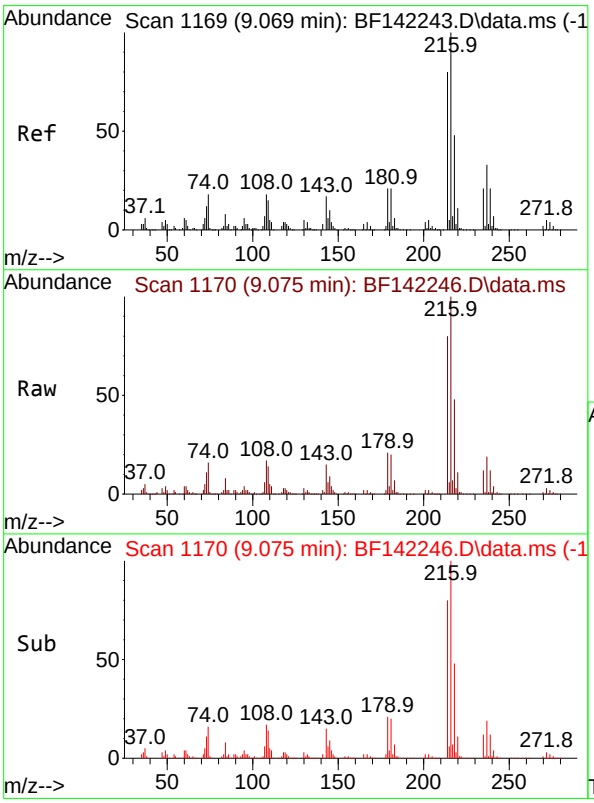
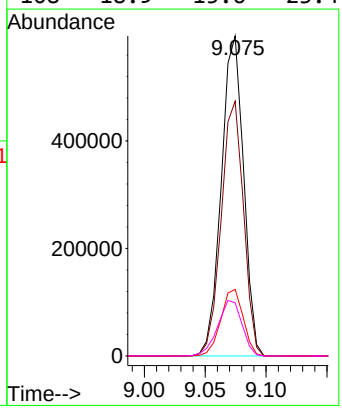
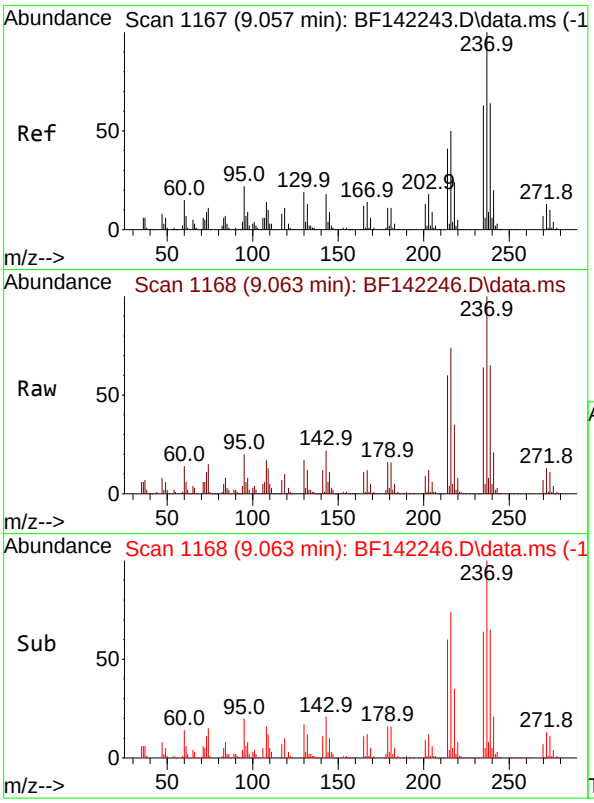


#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.548 ng
RT: 9.075 min Scan# 1170
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:216 Resp: 757210

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.0	16.7	25.1
108	18.9	15.6	23.4

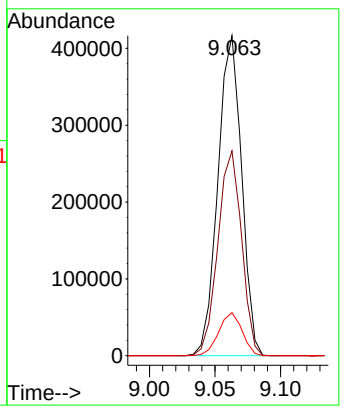




#41
Hexachlorocyclopentadiene
Concen: 85.886 ng
RT: 9.063 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:237 Resp: 52318

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.5	83.5
272	13.5	0.0	32.9



Instrument :
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ClientSampleId :
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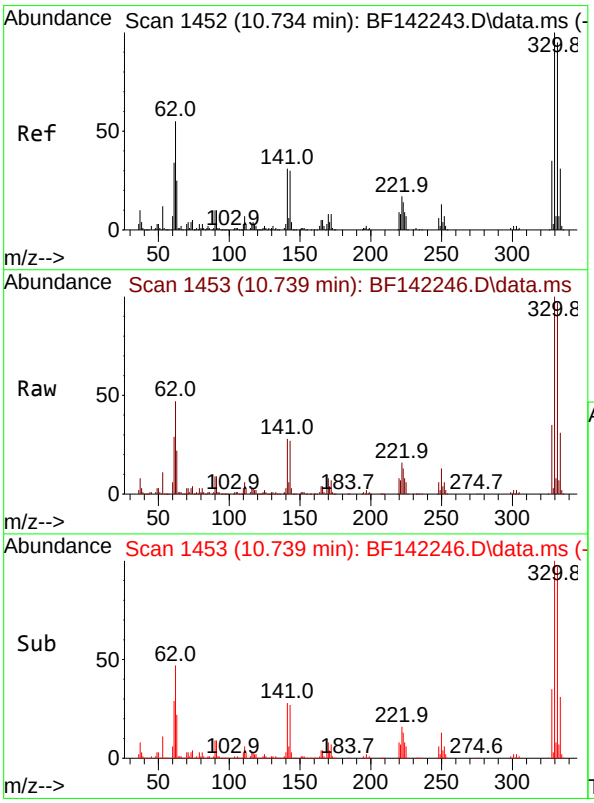
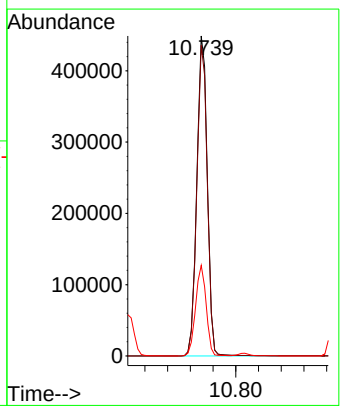
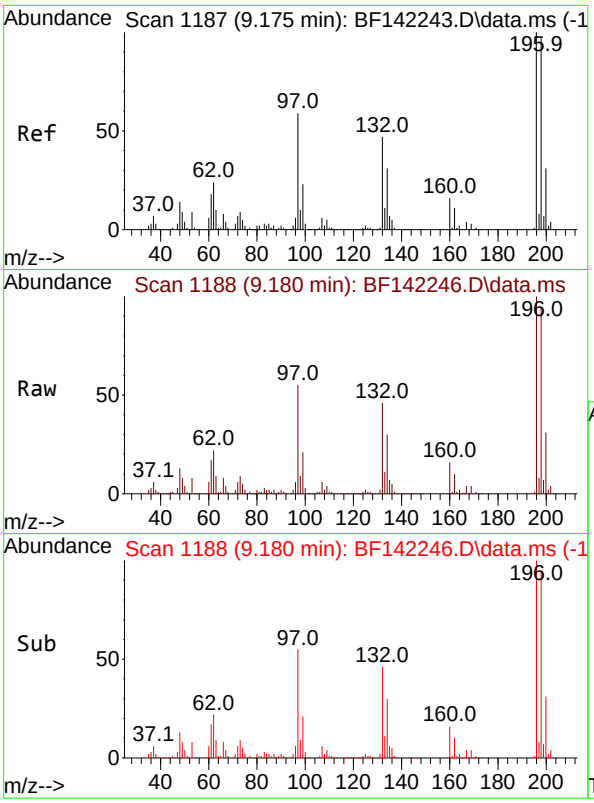


#42
2,4,6-Tribromophenol
Concen: 166.657 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:330 Resp: 579431

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.5	114.7
141	28.6	24.3	36.5

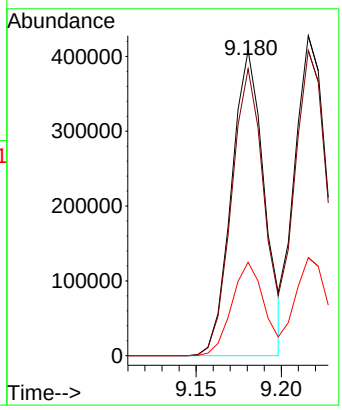




#43
2,4,6-Trichlorophenol
Concen: 81.996 ng
RT: 9.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:196 Resp: 54535

Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.4	116.2
200	30.6	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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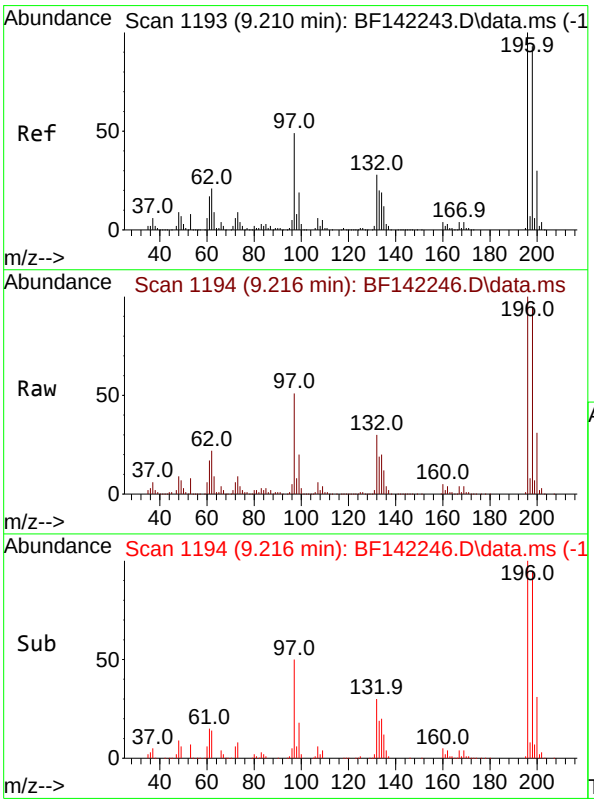
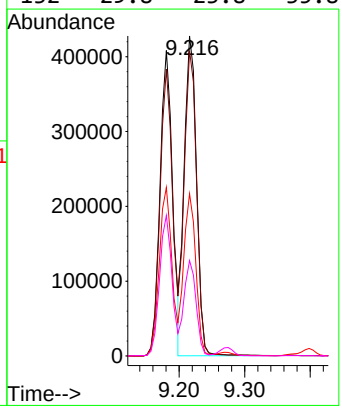
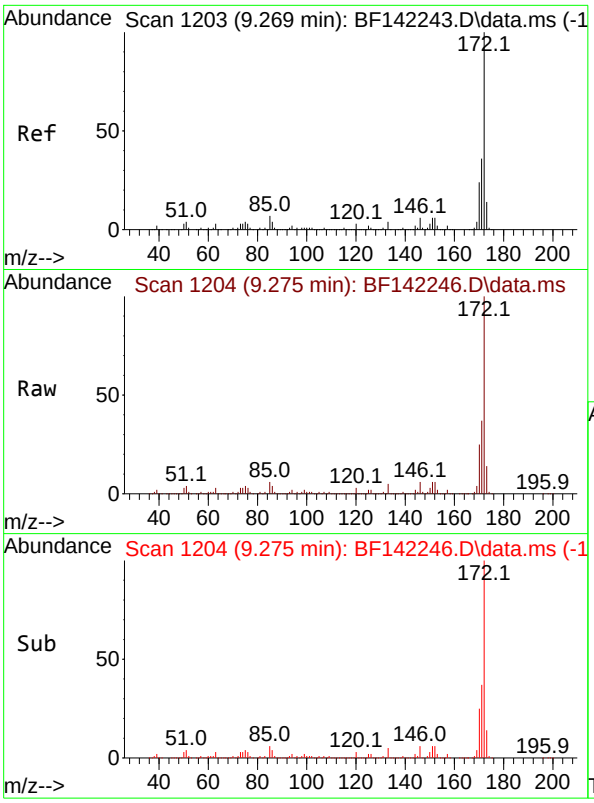


#44
2,4,5-Trichlorophenol
Concen: 79.732 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:196 Resp: 557542

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.2	112.8
97	50.7	39.8	59.8
132	29.8	23.8	35.8

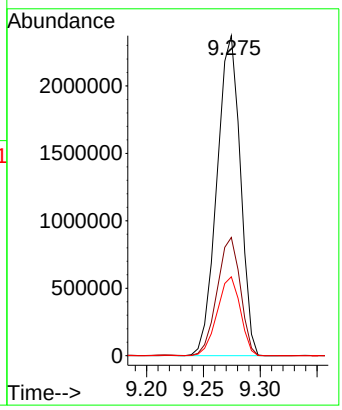




#45
2-Fluorobiphenyl
Concen: 125.694 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:172 Resp: 339986

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.4
170	24.6	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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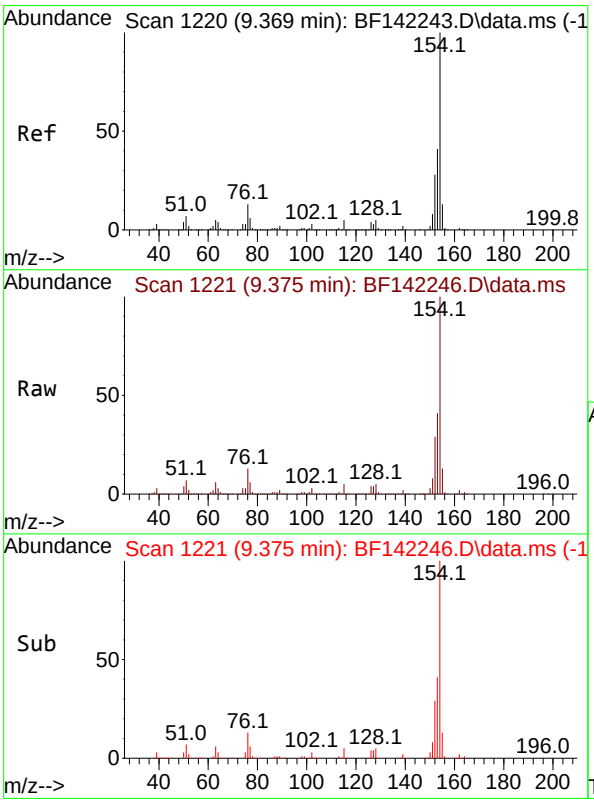
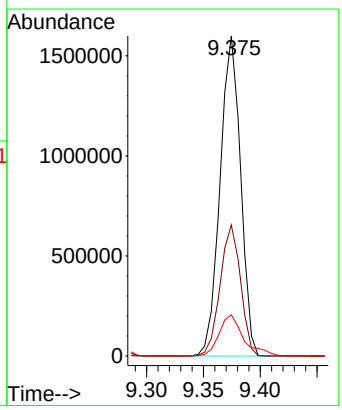
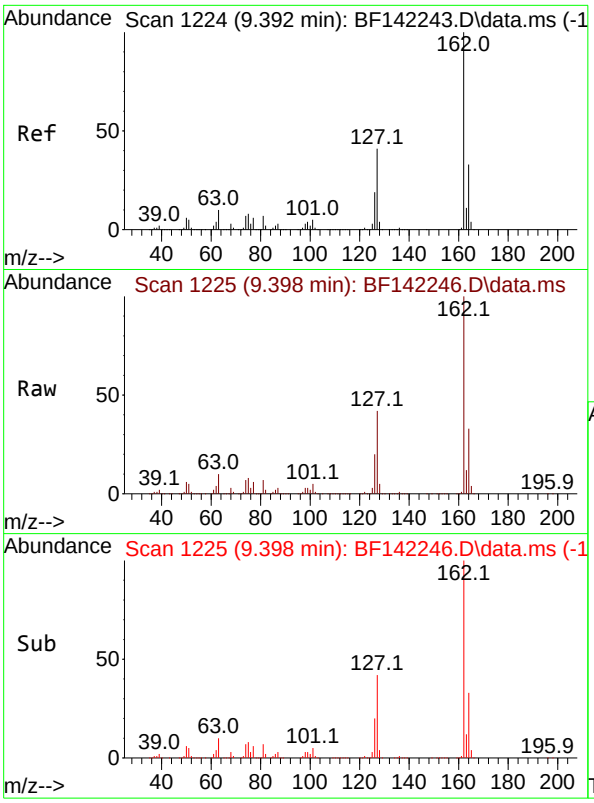


#46
1,1'-Biphenyl
Concen: 67.691 ng
RT: 9.375 min Scan# 1221
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:154 Resp: 2006955

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	12.9	0.0	32.8

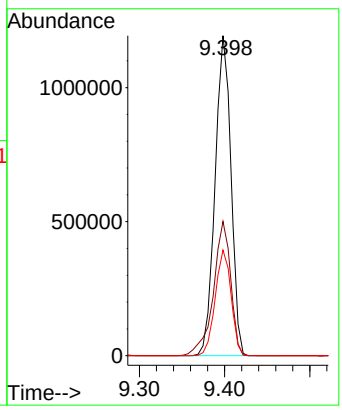




#47
2-Chloronaphthalene
Concen: 70.140 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:162 Resp: 154720

Ion	Ratio	Lower	Upper
162	100		
127	41.9	32.6	49.0
164	33.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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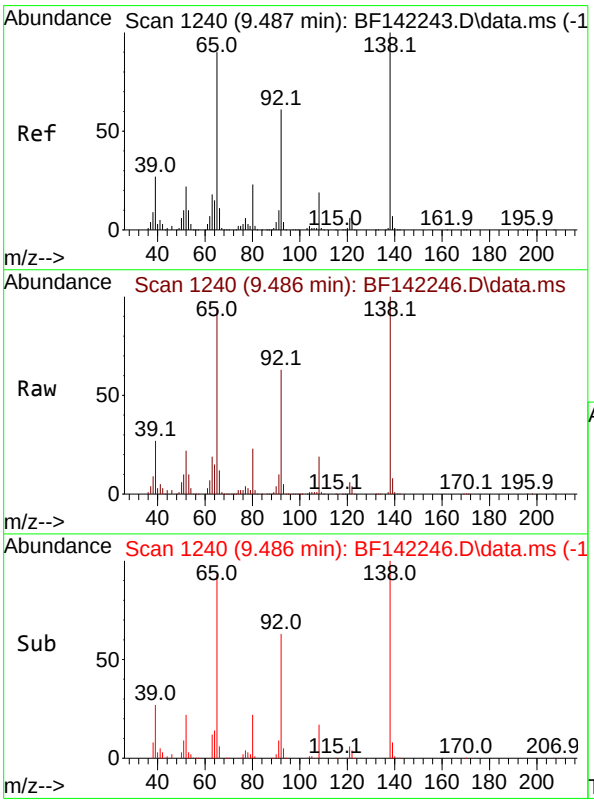
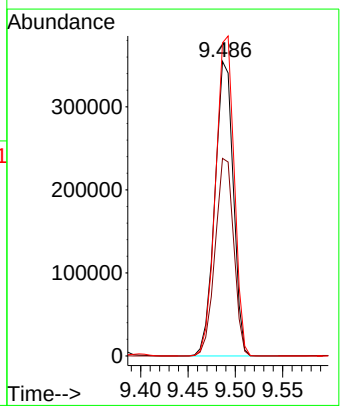
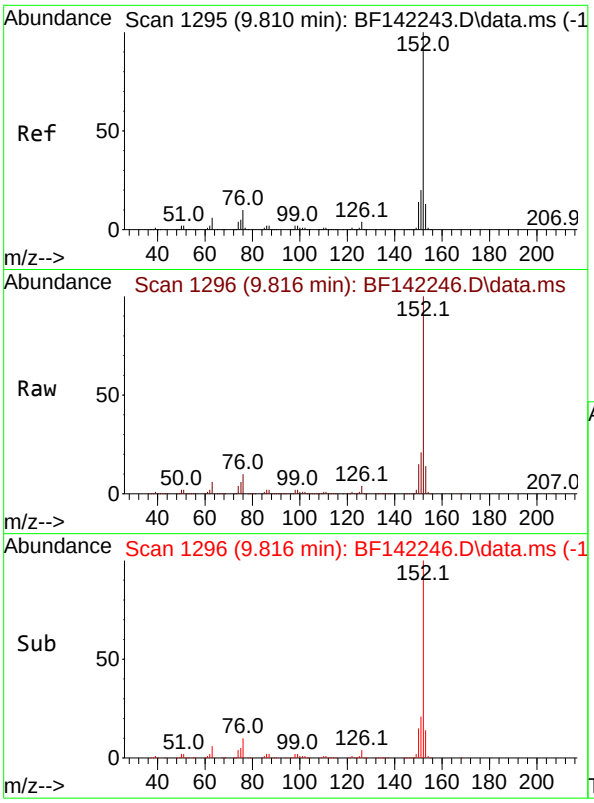


#48
2-Nitroaniline
Concen: 79.390 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 65 Resp: 481954

Ion	Ratio	Lower	Upper
65	100		
92	67.1	54.3	81.5
138	106.4	88.6	133.0

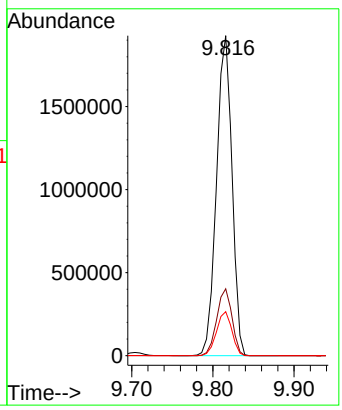




#49
Acenaphthylene
Concen: 68.650 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:152 Resp: 255538

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.2
153	13.7	10.7	16.1



Instrument :
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ClientSampleId :
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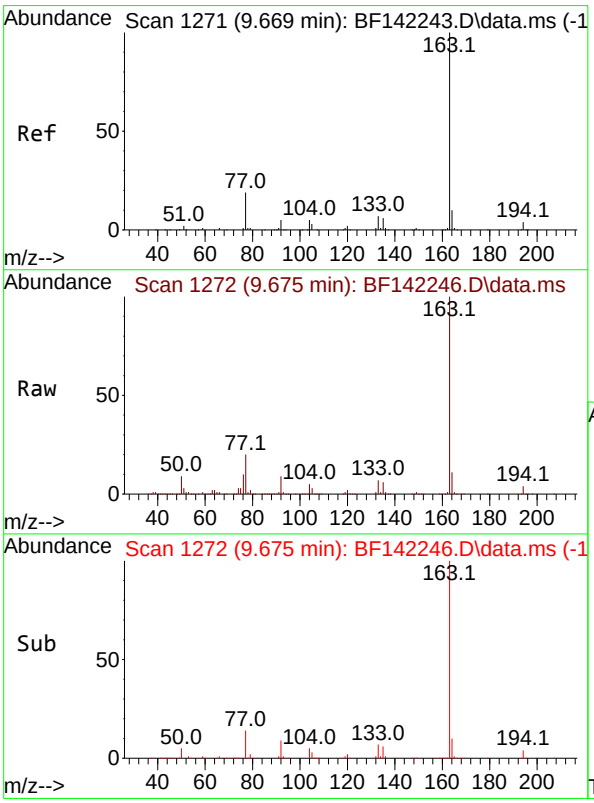
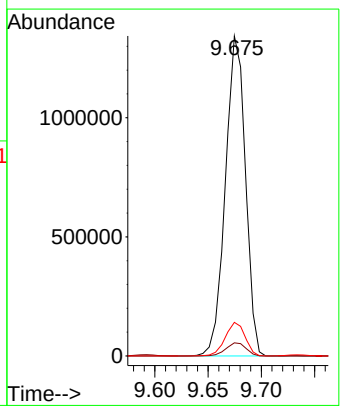
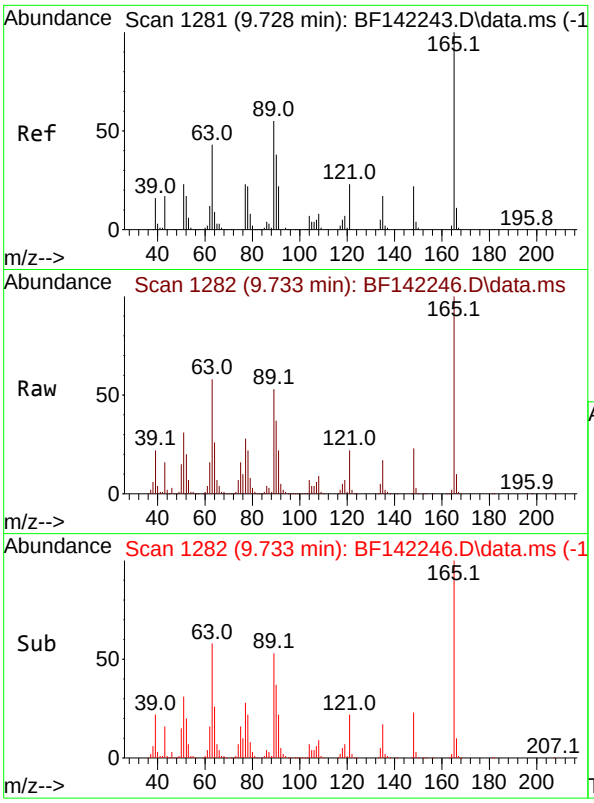


#50
Dimethylphthalate
Concen: 72.052 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:163 Resp: 1757977

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 78.246 ng
RT: 9.733 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:165 Resp: 37912

Ion	Ratio	Lower	Upper
165	100		
63	58.4	48.5	72.7
89	52.7	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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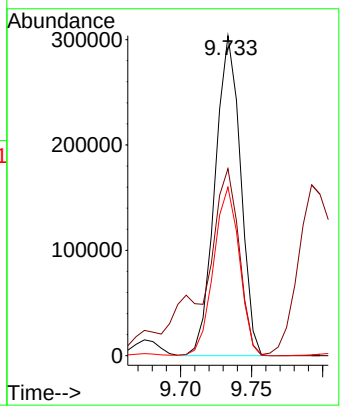
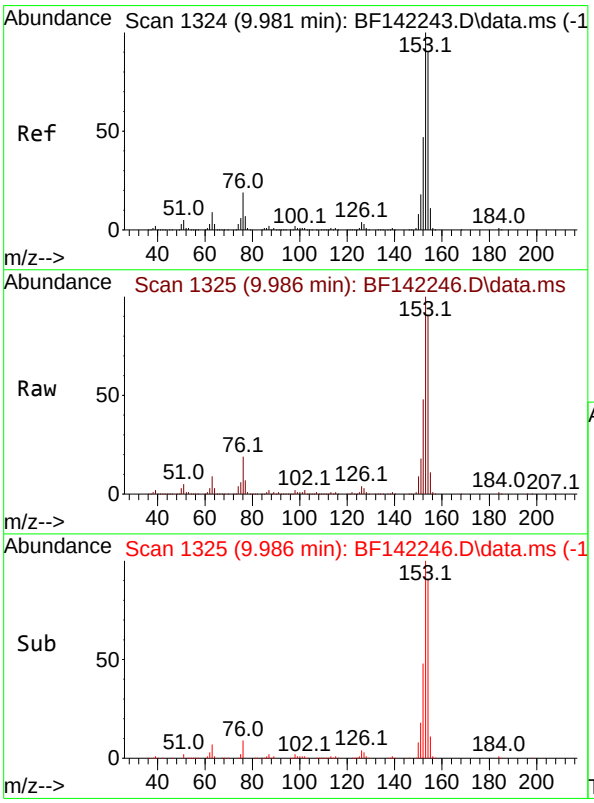
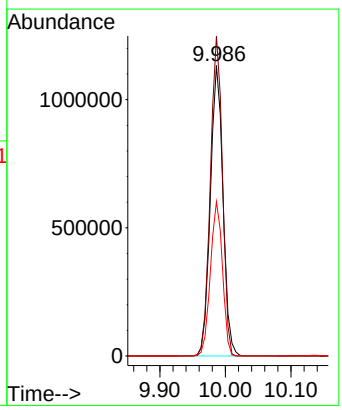


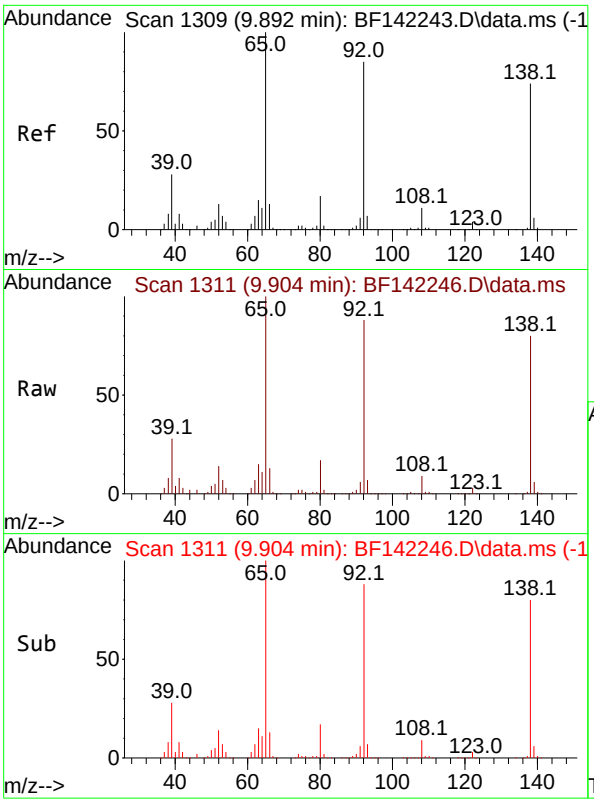


#52
Acenaphthene
Concen: 69.843 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:154 Resp: 1517991

Ion	Ratio	Lower	Upper
154	100		
153	110.2	88.6	133.0
152	53.1	42.1	63.1





#53
3-Nitroaniline
Concen: 78.061 ng
RT: 9.904 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:138 Resp: 45657

Ion	Ratio	Lower	Upper
138	100		
108	11.8	11.7	17.5
92	109.7	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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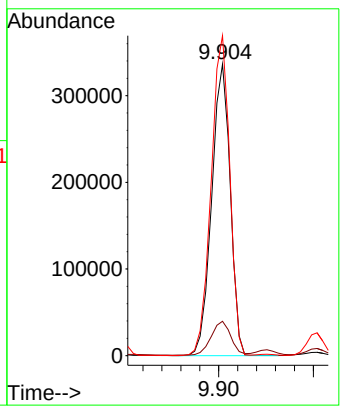
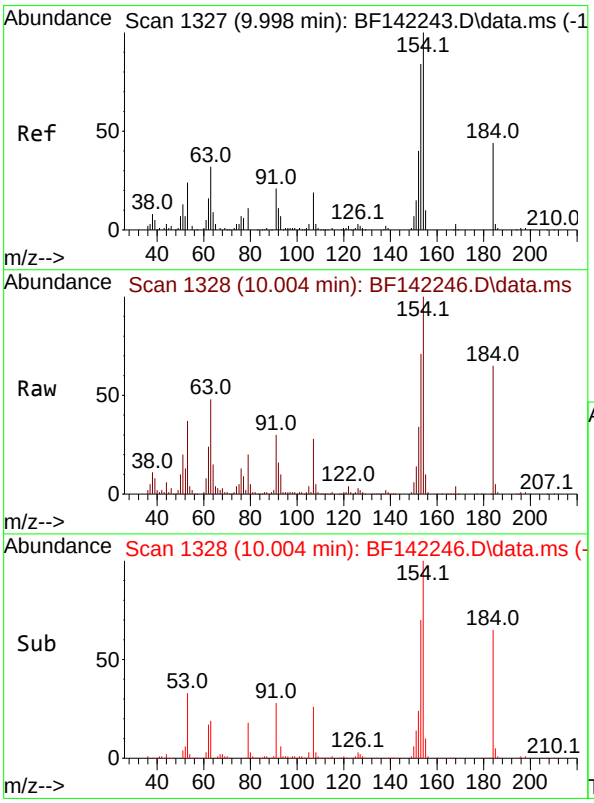
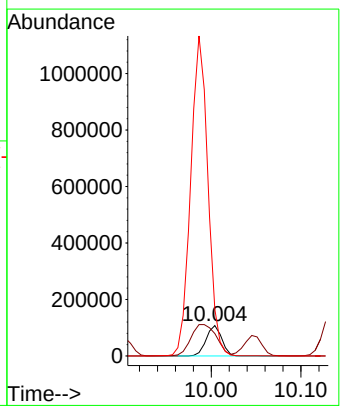


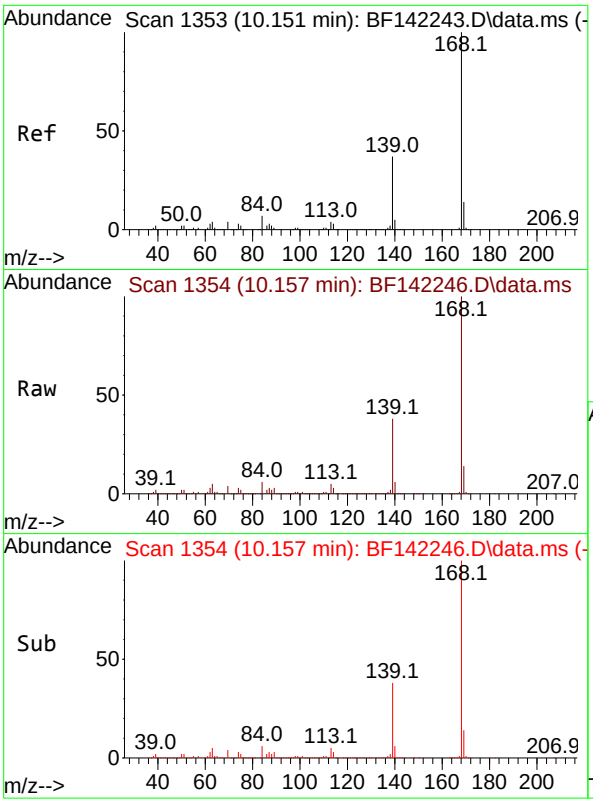


#54
2,4-Dinitrophenol
Concen: 79.532 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:184 Resp: 129817

Ion	Ratio	Lower	Upper
184	100		
63	73.9	69.2	103.8
154	153.5	271.4	407.2#

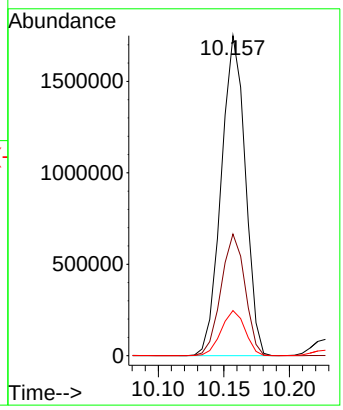




#55
Dibenzofuran
Concen: 68.664 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:168 Resp: 223708

Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.4	44.0
169	14.1	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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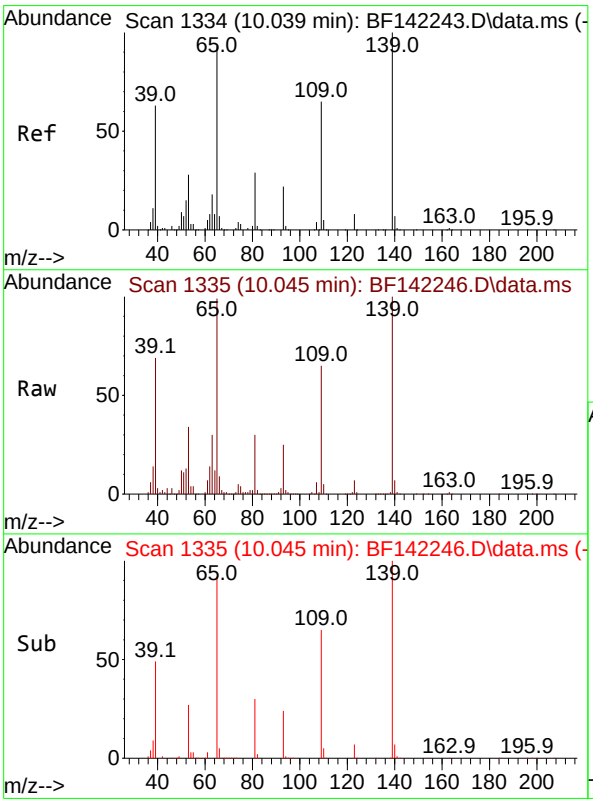
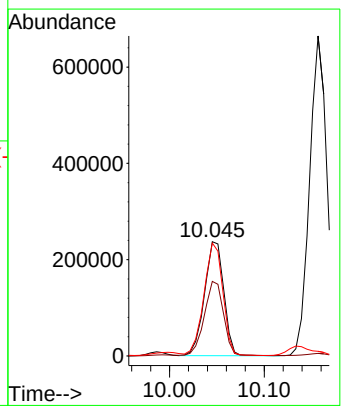
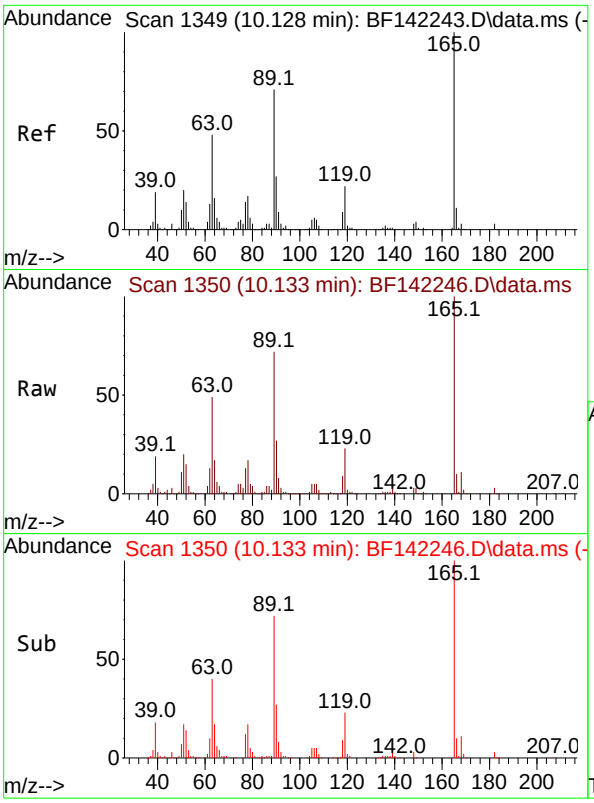


#56
4-Nitrophenol
Concen: 87.357 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:139 Resp: 335015

Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.9	84.9
65	98.8	74.7	114.7

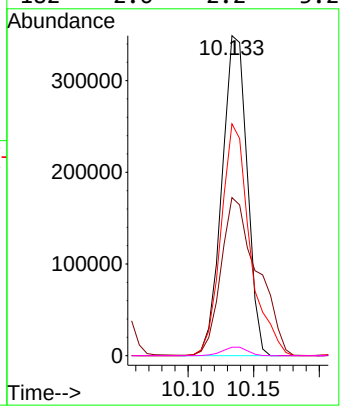




#57
2,4-Dinitrotoluene
Concen: 78.915 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:165 Resp: 46754

Ion	Ratio	Lower	Upper
165	100		
63	49.4	38.8	58.2
89	72.5	57.1	85.7
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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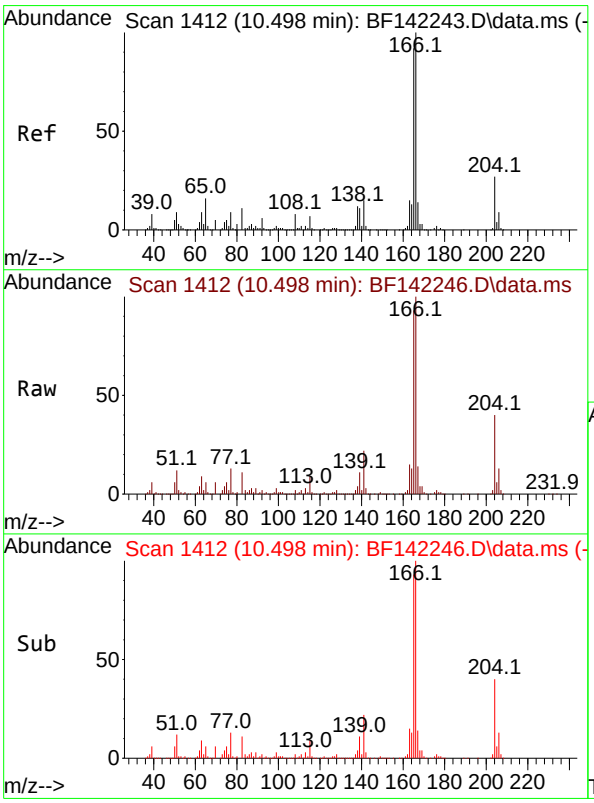
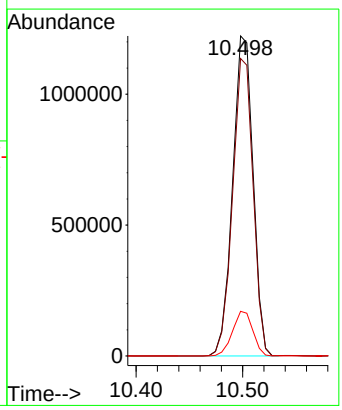
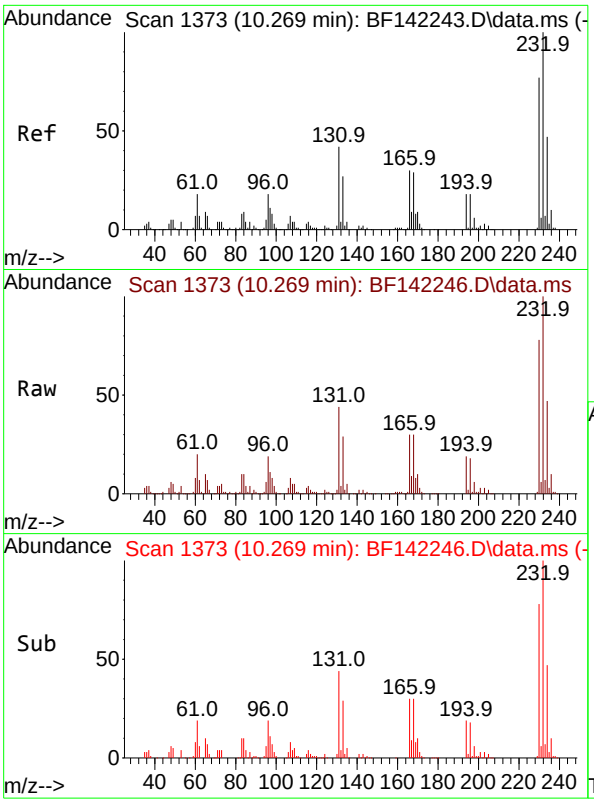


#58
Fluorene
Concen: 65.980 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:166 Resp: 1634486

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.9	10.8	16.2

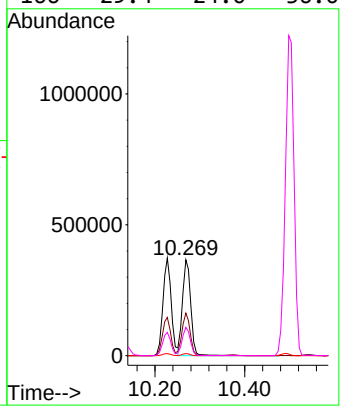




#59
2,3,4,6-Tetrachlorophenol
Concen: 80.286 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:232 Resp: 46505

Ion	Ratio	Lower	Upper
232	100		
131	44.0	35.9	53.9
130	2.2	1.8	2.6
166	29.4	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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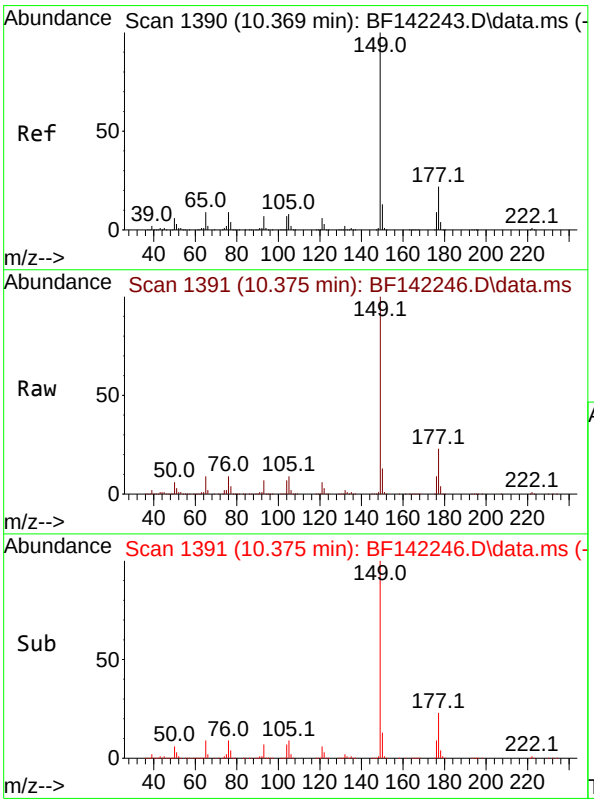
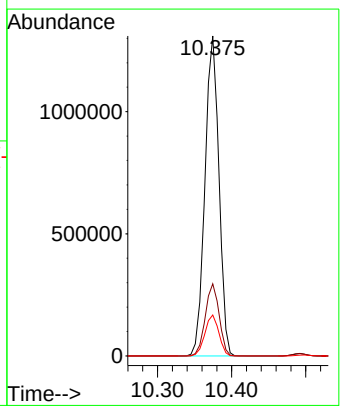
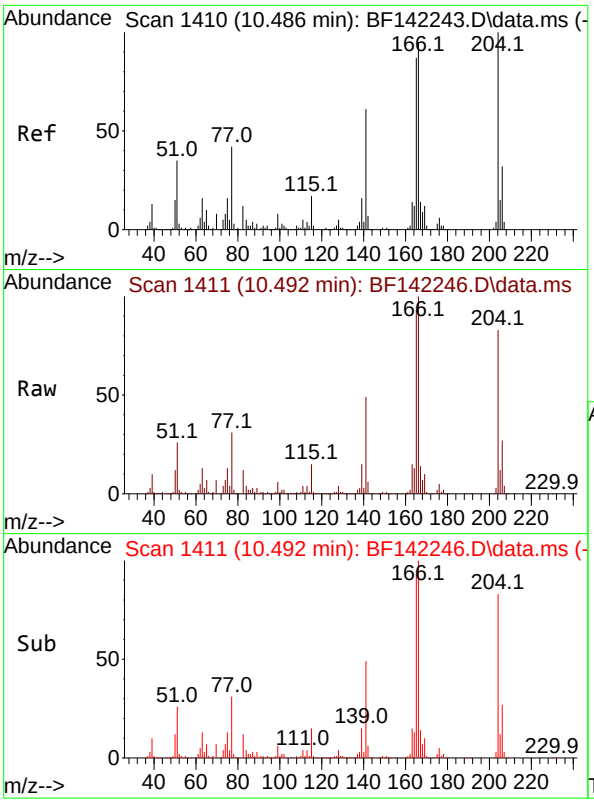


#60
Diethylphthalate
Concen: 71.292 ng
RT: 10.375 min Scan# 1391
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 1717661

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 68.190 ng
RT: 10.492 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 80222

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.6	38.4
141	58.7	48.9	73.3

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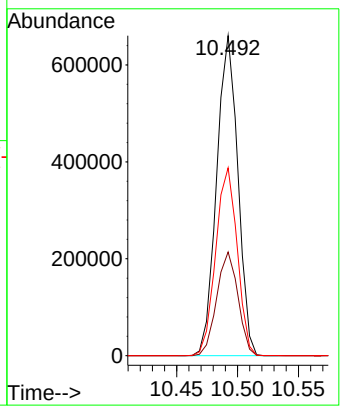
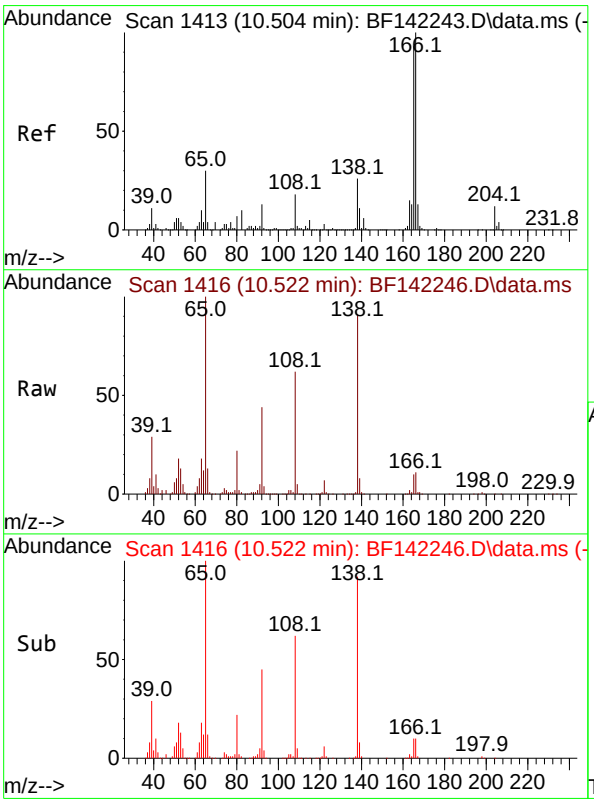
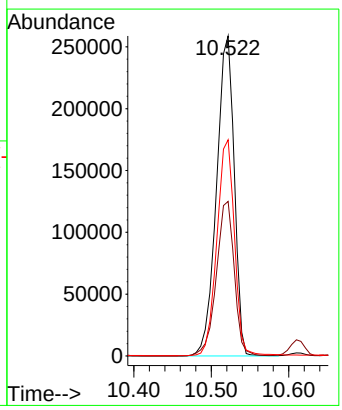


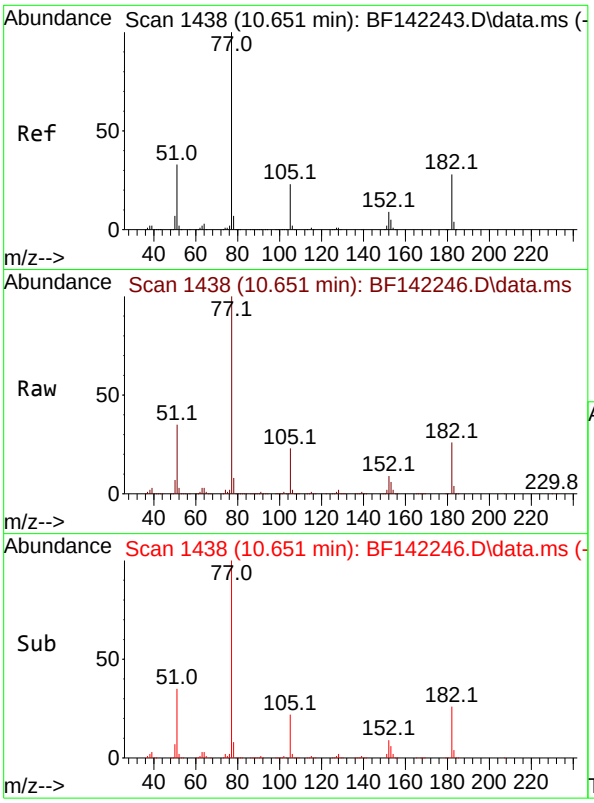


#62
4-Nitroaniline
Concen: 77.614 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.018 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:138 Resp: 410928

Ion	Ratio	Lower	Upper
138	100		
92	48.3	29.2	69.2
108	67.6	49.1	89.1

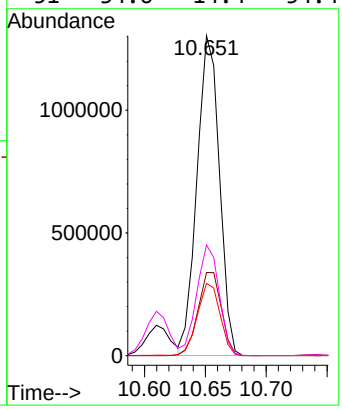




#63
Azobenzene
Concen: 70.379 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion: 77 Resp: 167443

Ion	Ratio	Lower	Upper
77	100		
182	26.0	7.3	47.3
105	22.6	2.5	42.5
51	34.6	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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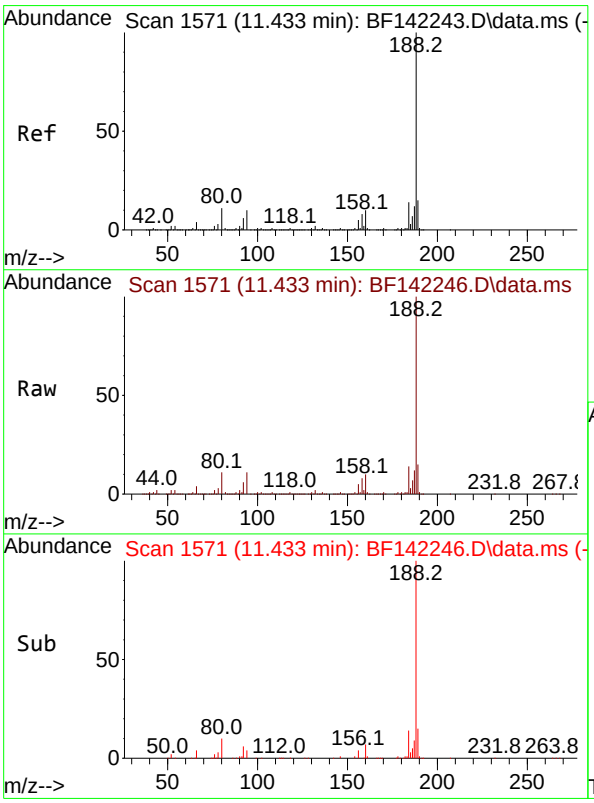
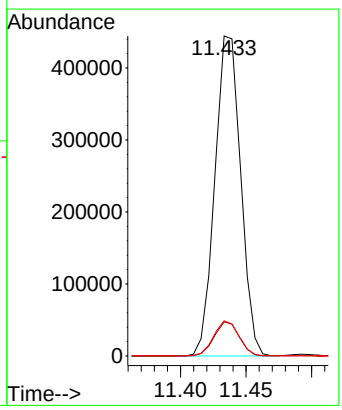
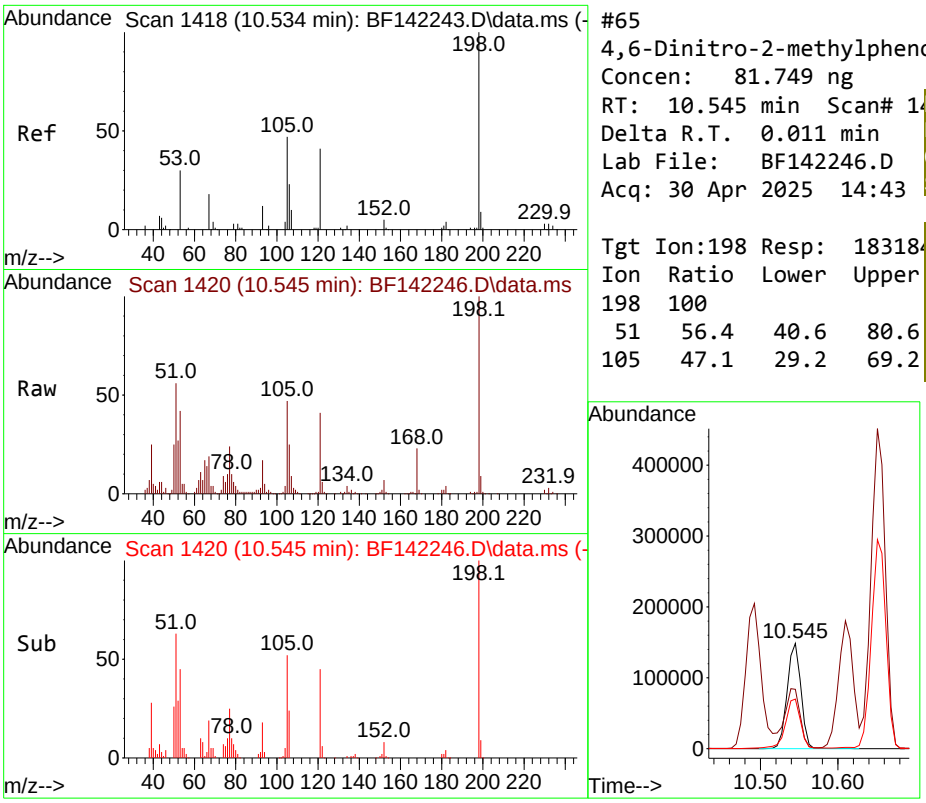


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:188 Resp: 608907

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.2
80	11.0	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 81.749 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.011 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:198 Resp: 18318

Ion	Ratio	Lower	Upper
198	100		
51	56.4	40.6	80.6
105	47.1	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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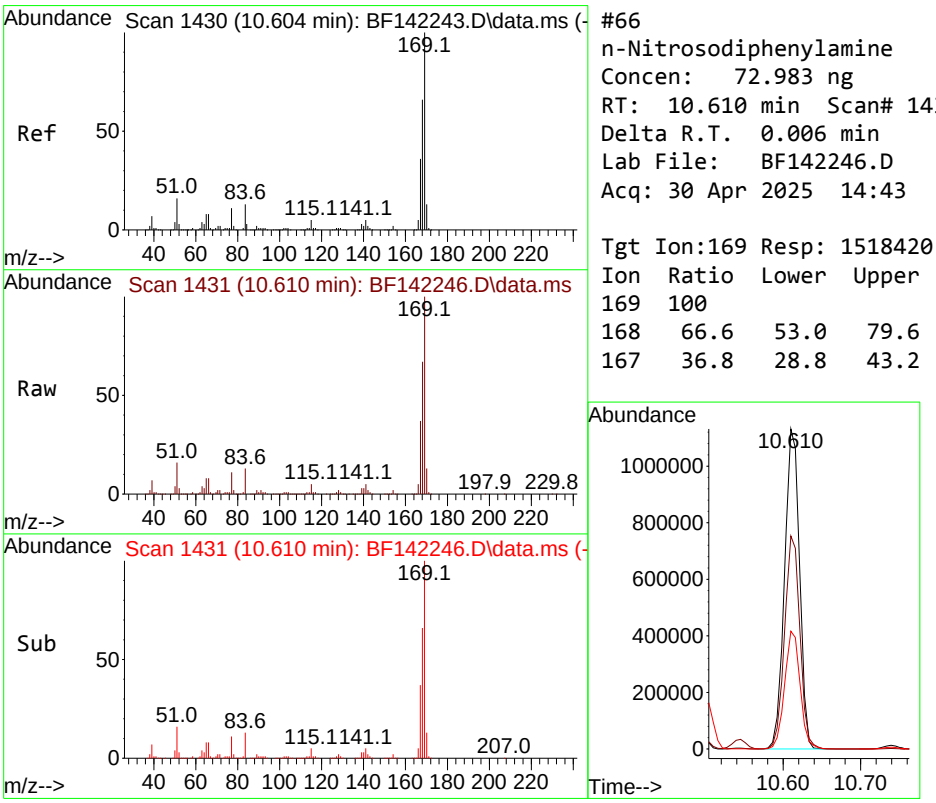
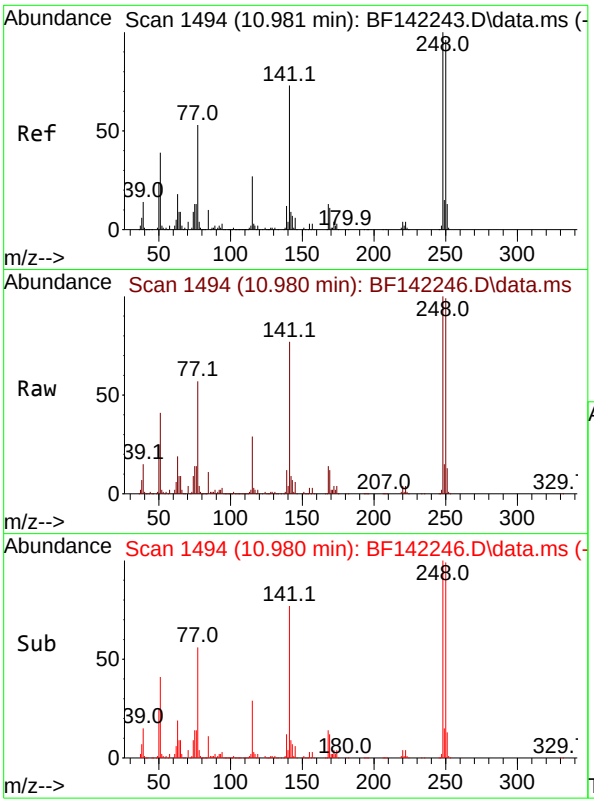
Supervised By :Jagrut Upadhyay 05/01/2025



#66
n-Nitrosodiphenylamine
Concen: 72.983 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:169 Resp: 1518420

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.6
167	36.8	28.8	43.2



#67
4-Bromophenyl-phenylether
Concen: 75.866 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:248 Resp: 51446

Ion	Ratio	Lower	Upper
248	100		
250	99.1	77.2	115.8
141	76.7	58.4	87.6

Instrument :
BNA_F
ClientSampleId :
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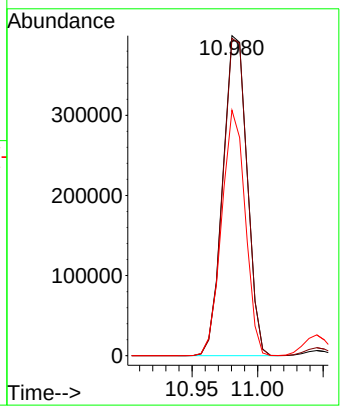
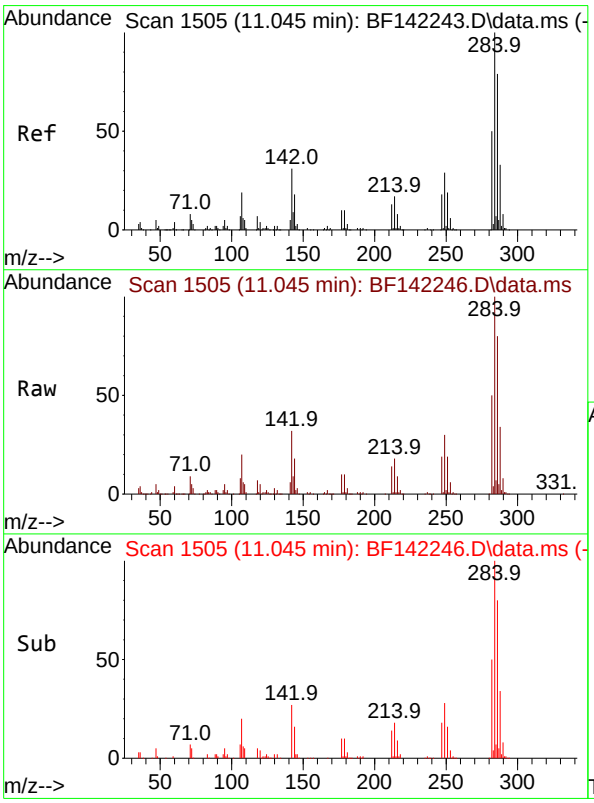
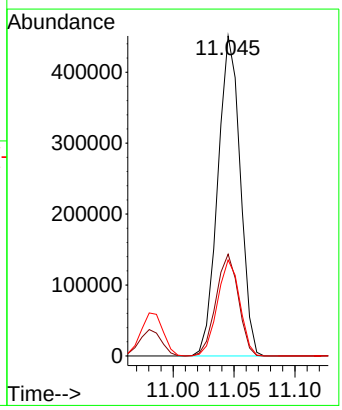


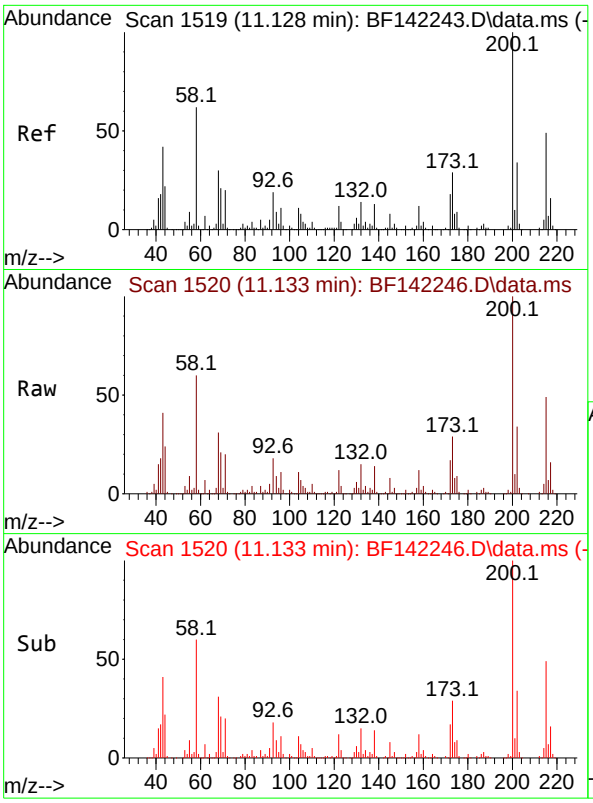


#68
Hexachlorobenzene
Concen: 75.999 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:284 Resp: 577203

Ion	Ratio	Lower	Upper
284	100		
142	31.8	24.6	37.0
249	30.0	23.2	34.8

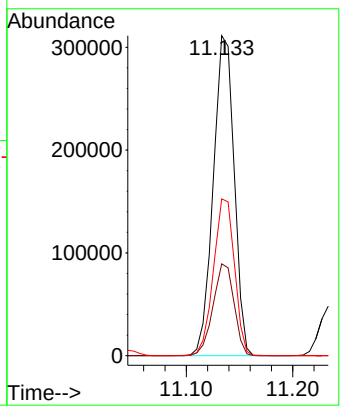




#69
Atrazine
Concen: 77.296 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:200 Resp: 42388

Ion	Ratio	Lower	Upper
200	100		
173	28.7	8.6	48.6
215	49.0	28.5	68.5



Instrument :
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ClientSampleId :
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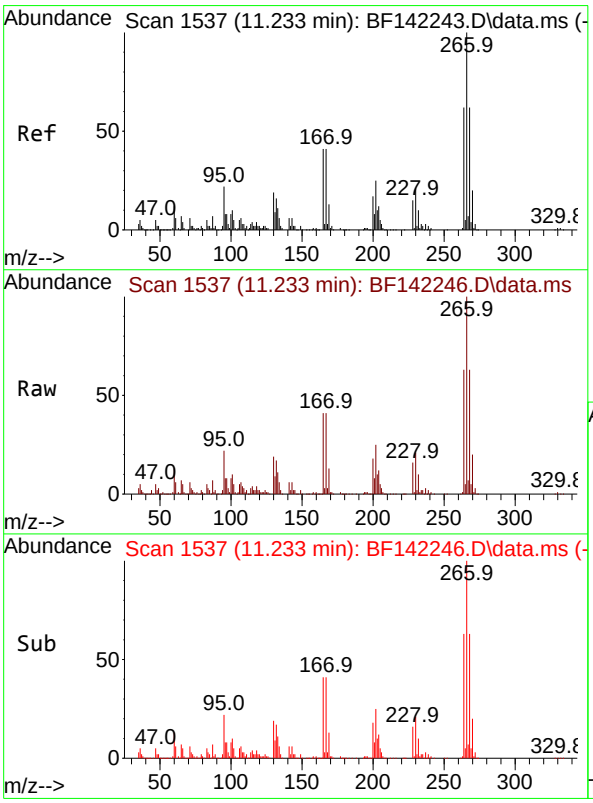
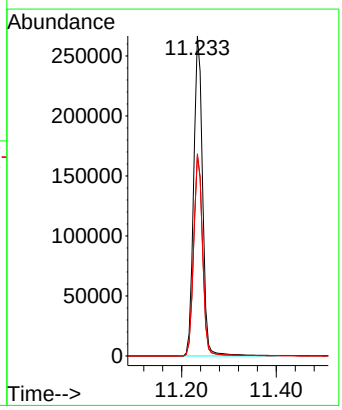
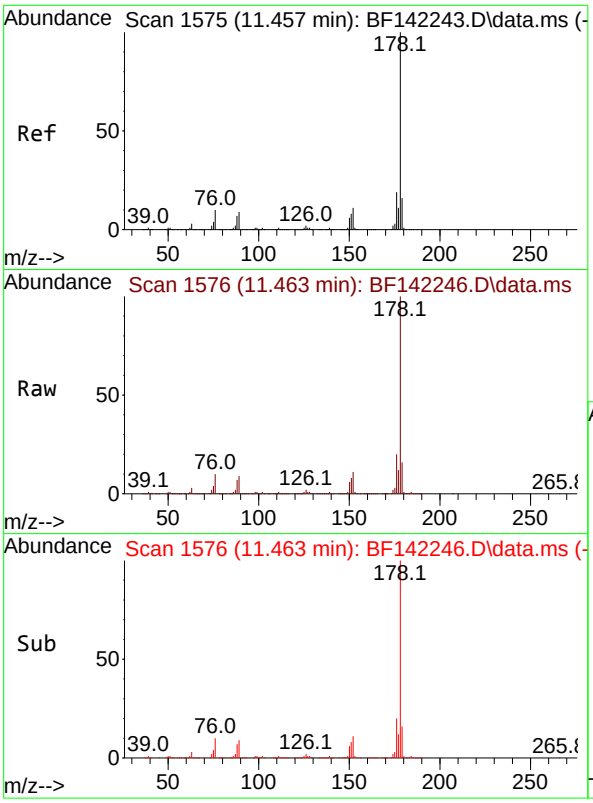


#70
Pentachlorophenol
Concen: 87.235 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:266 Resp: 350009

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.0	75.0
264	63.2	49.3	73.9

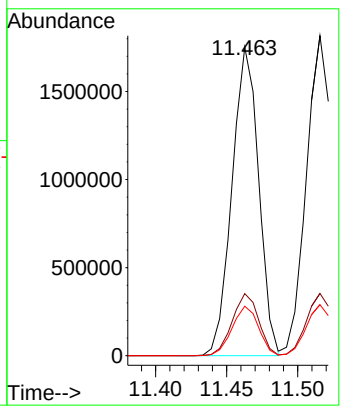




#71
Phenanthrene
Concen: 69.578 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:178 Resp: 228848

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.1	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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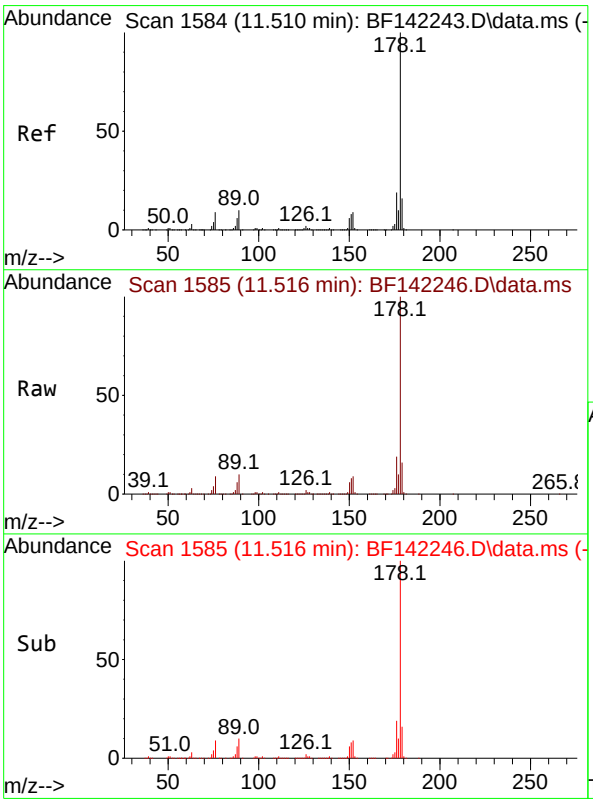
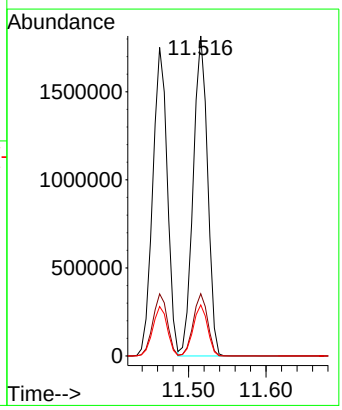
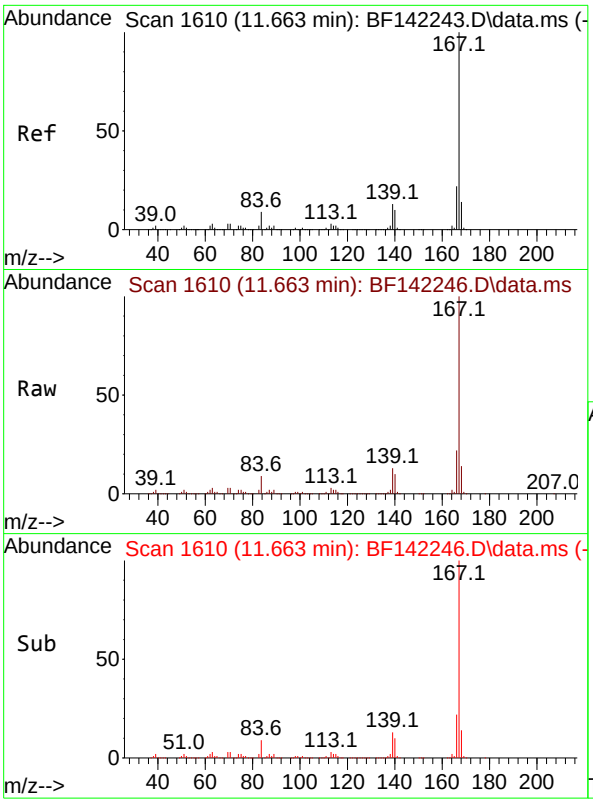


#72
Anthracene
Concen: 69.482 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:178 Resp: 2336551

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.9	12.7	19.1

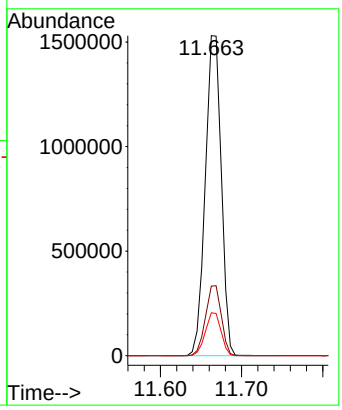




#73
Carbazole
Concen: 68.058 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:167 Resp: 208776

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	13.4	10.3	15.5



Instrument :
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ClientSampleId :
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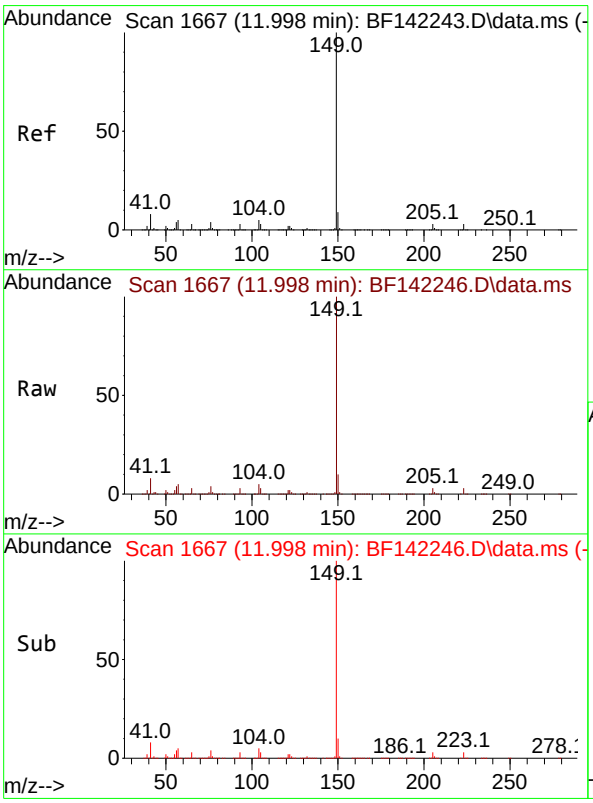
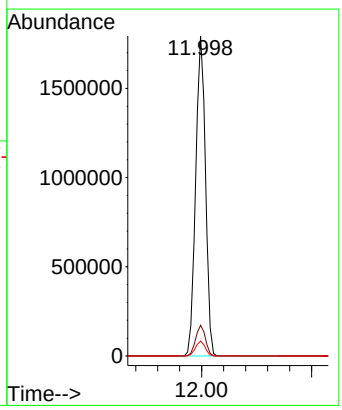
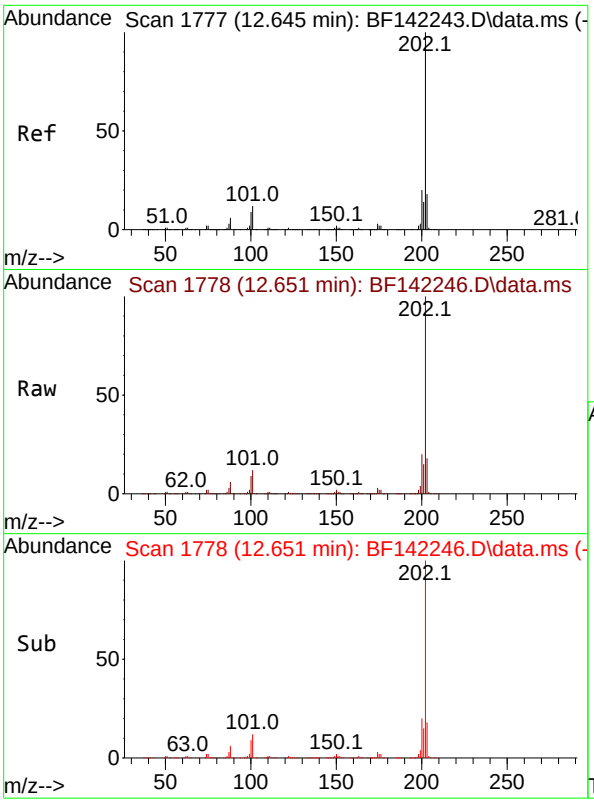


#74
Di-n-butylphthalate
Concen: 72.002 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 2221417

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.6	3.6	5.4

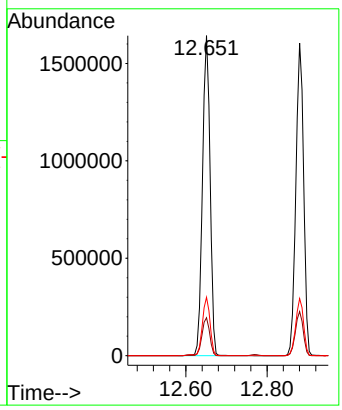




#75
Fluoranthene
Concen: 65.747 ng
RT: 12.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:202 Resp: 213763

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.4
203	18.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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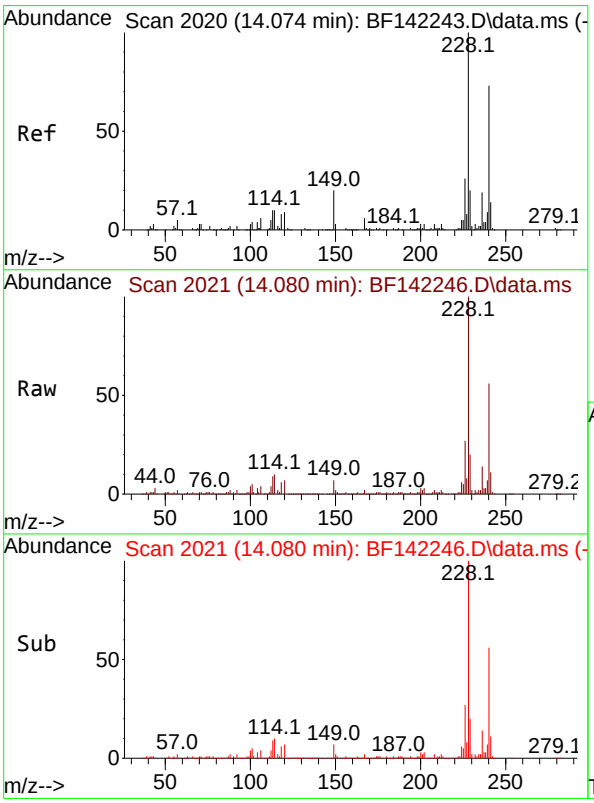
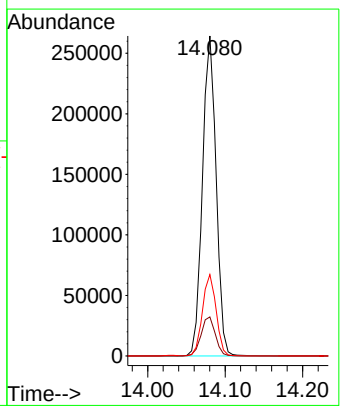
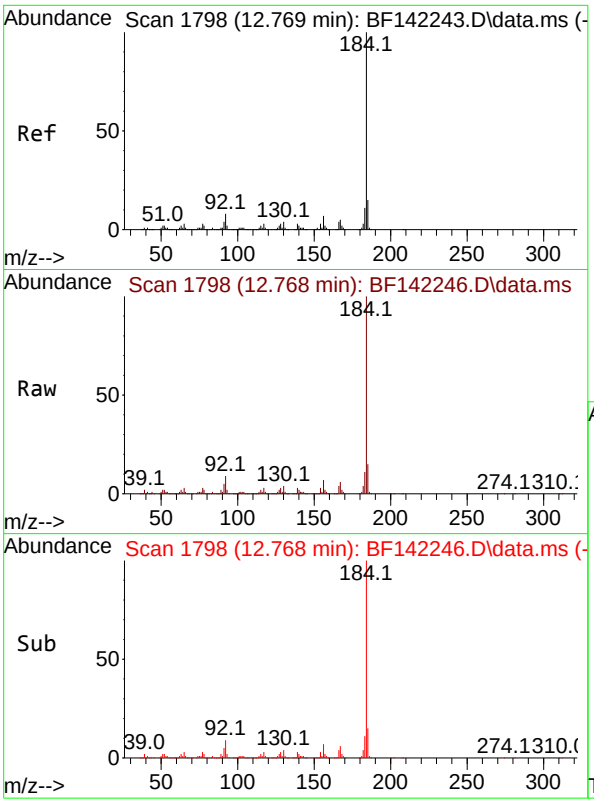


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:240 Resp: 323925

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.1	15.1
236	25.4	20.5	30.7

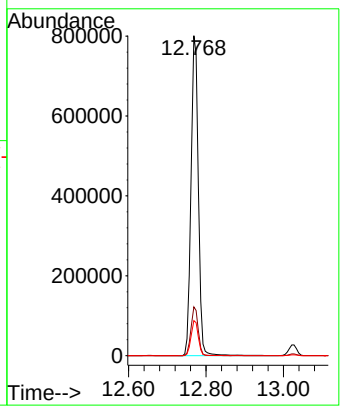




#77
Benzidine
Concen: 76.247 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:184 Resp: 104946

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.8	17.6
183	11.0	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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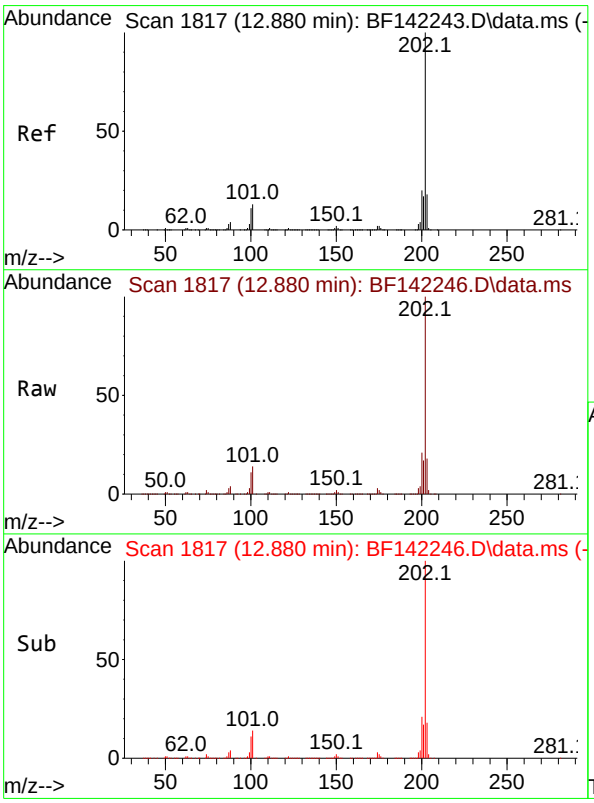
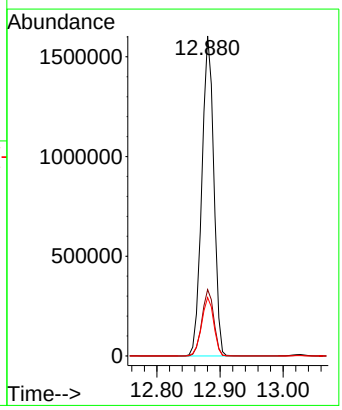
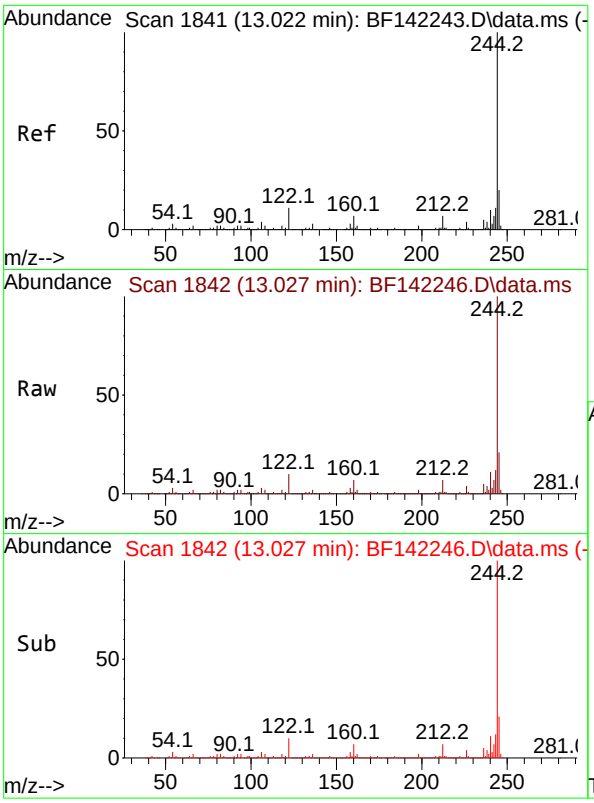


#78
Pyrene
Concen: 70.910 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:202 Resp: 2118847

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.1	24.1
203	18.3	14.1	21.1

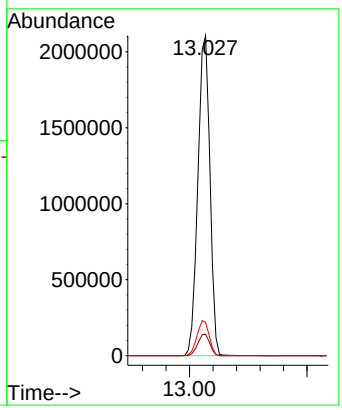




#79
Terphenyl-d14
Concen: 134.413 ng
RT: 13.027 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:244 Resp: 299363

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.4	9.1	13.7



Instrument :
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ClientSampleId :
SSTDICC080

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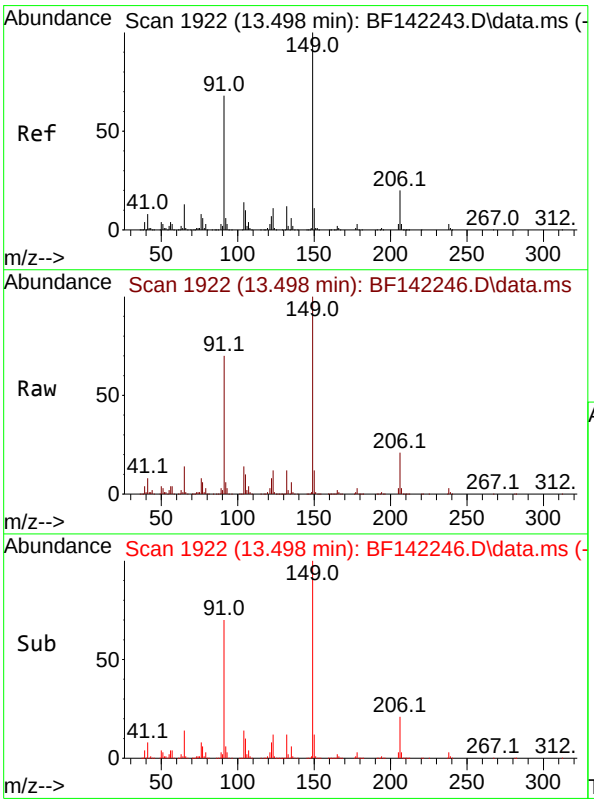
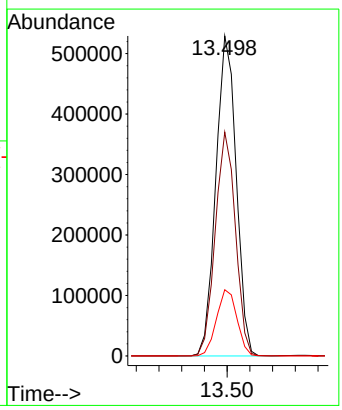
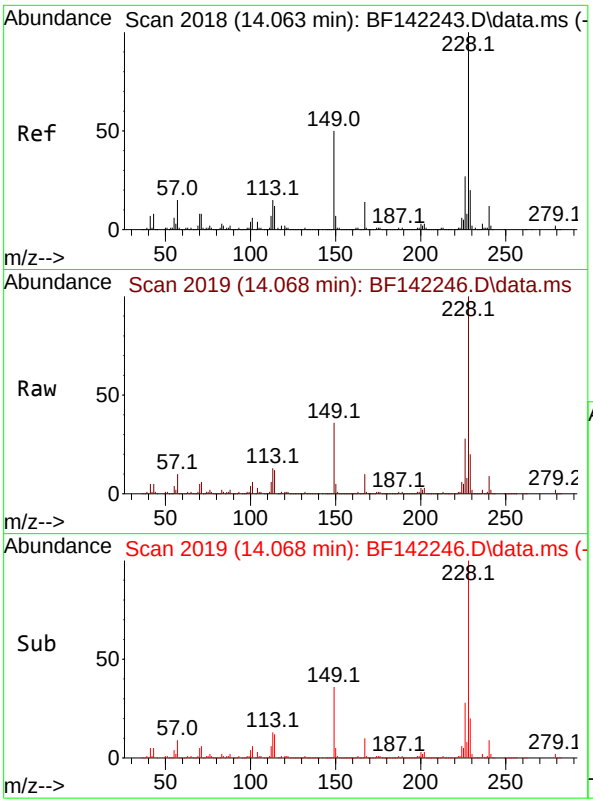


#80
Butylbenzylphthalate
Concen: 78.197 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 659574

Ion	Ratio	Lower	Upper
149	100		
91	70.0	54.4	81.6
206	20.7	15.9	23.9

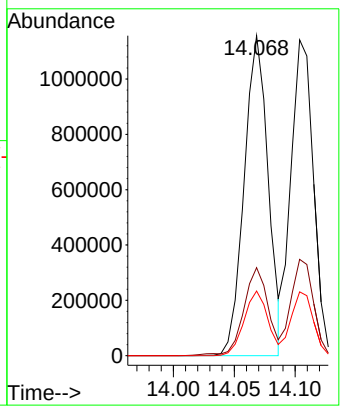




#81
Benzo(a)anthracene
Concen: 72.970 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:228 Resp: 158677

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.2	16.0	24.0



Instrument :
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ClientSampleId :
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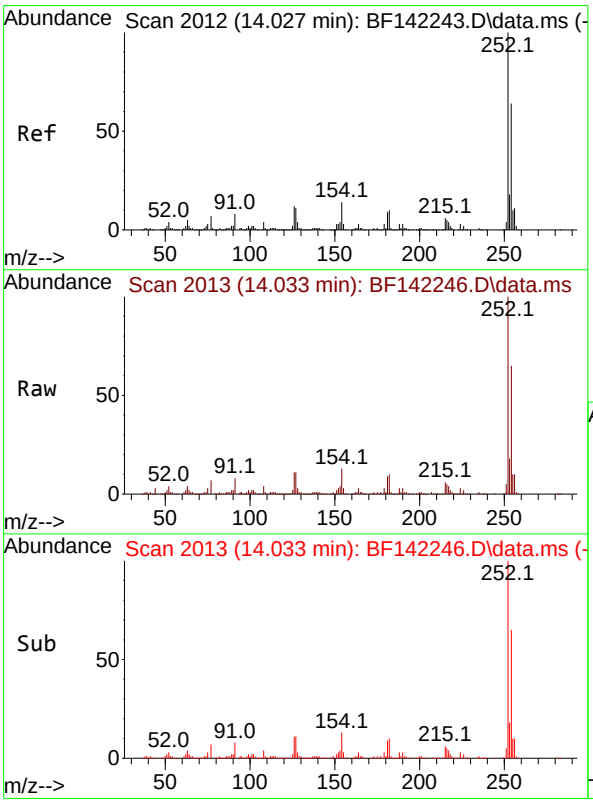
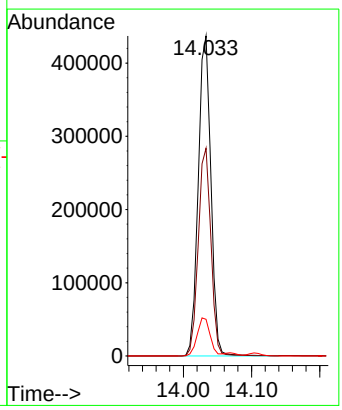
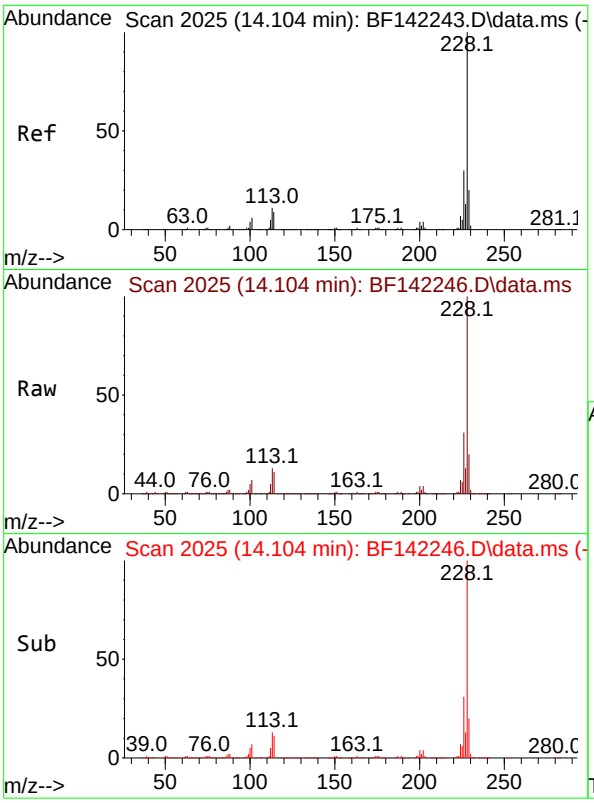


#82
3,3'-Dichlorobenzidine
Concen: 88.259 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 563738

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.0	76.6
126	11.5	9.4	14.2

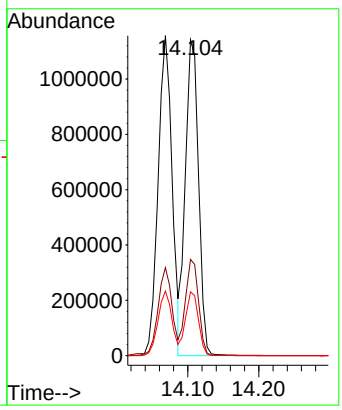




#83
Chrysene
Concen: 74.470 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:228 Resp: 147409

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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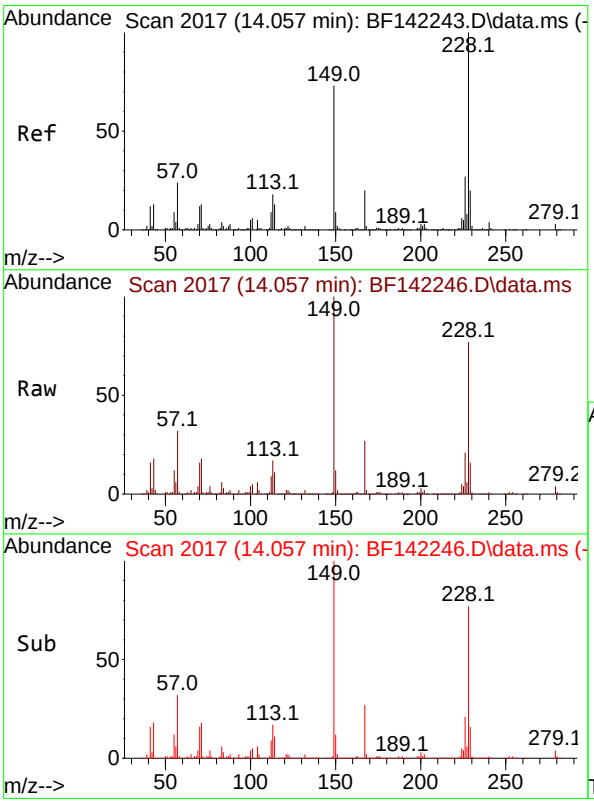
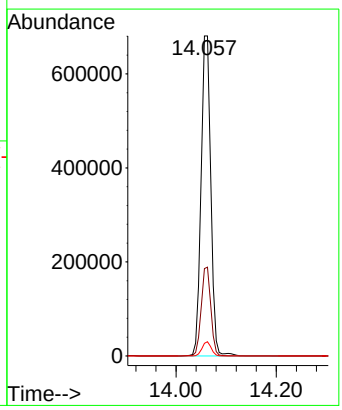
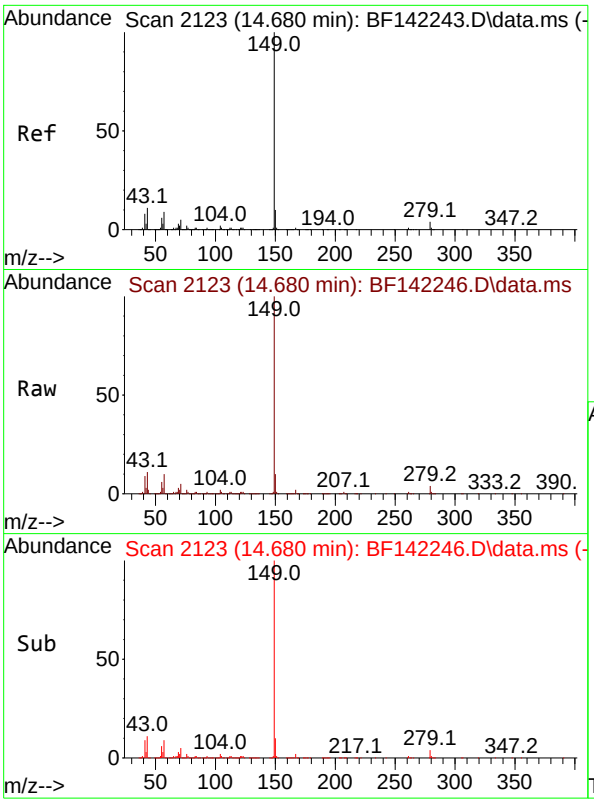


#84
Bis(2-ethylhexyl)phthalate
Concen: 78.547 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 915684

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.7	32.5
279	3.9	3.0	4.4

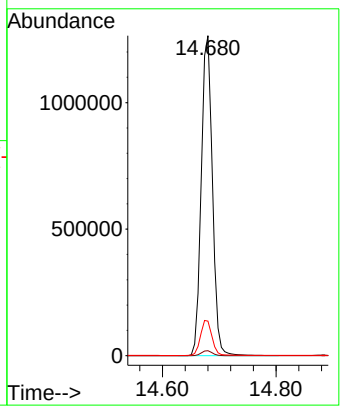




#85
Di-n-octyl phthalate
Concen: 78.594 ng
RT: 14.680 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:149 Resp: 172221

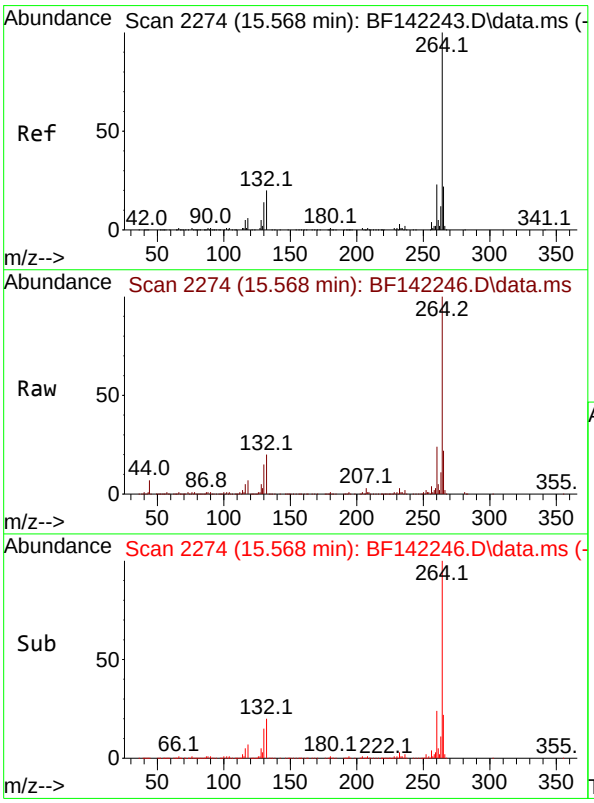
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

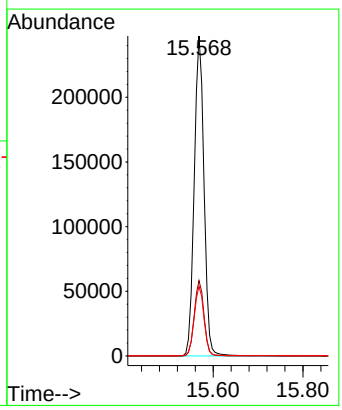
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

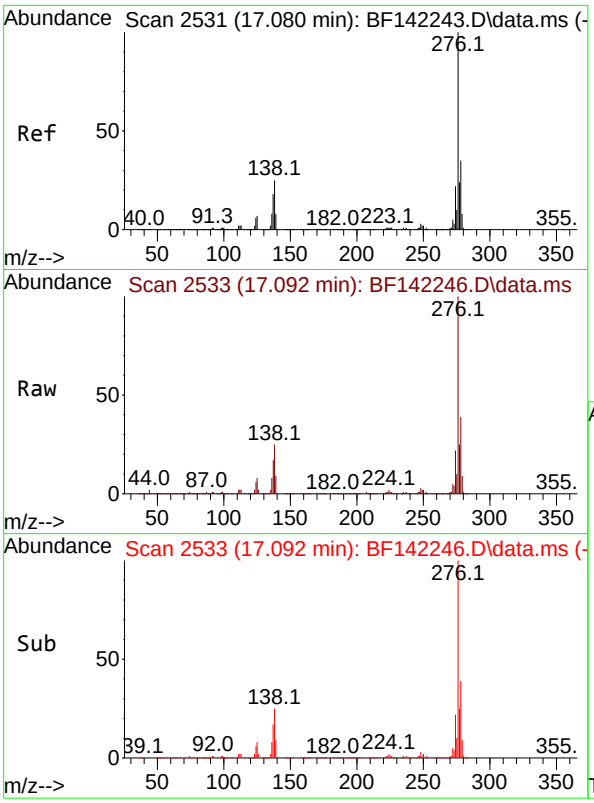


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:264 Resp: 374102

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.8	17.3	25.9

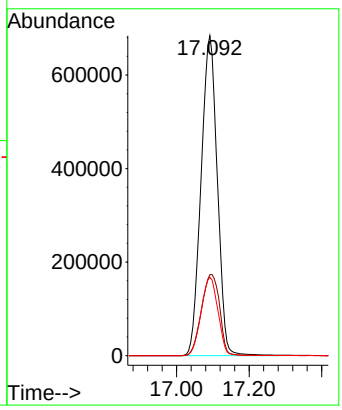




#87
Indeno(1,2,3-cd)pyrene
Concen: 77.677 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:276 Resp: 212847

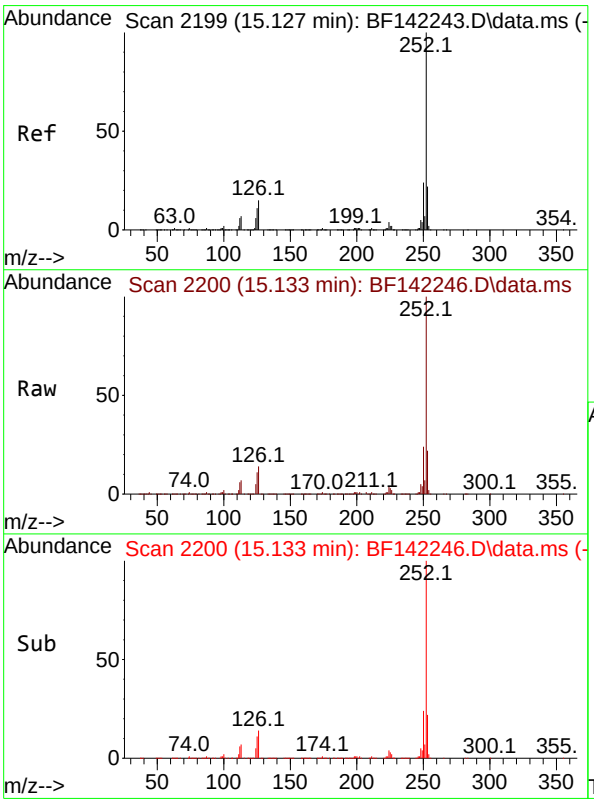
Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.6	33.8
277	25.4	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

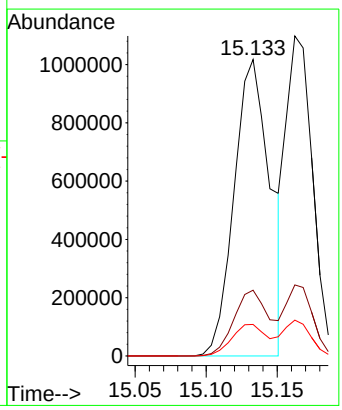
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

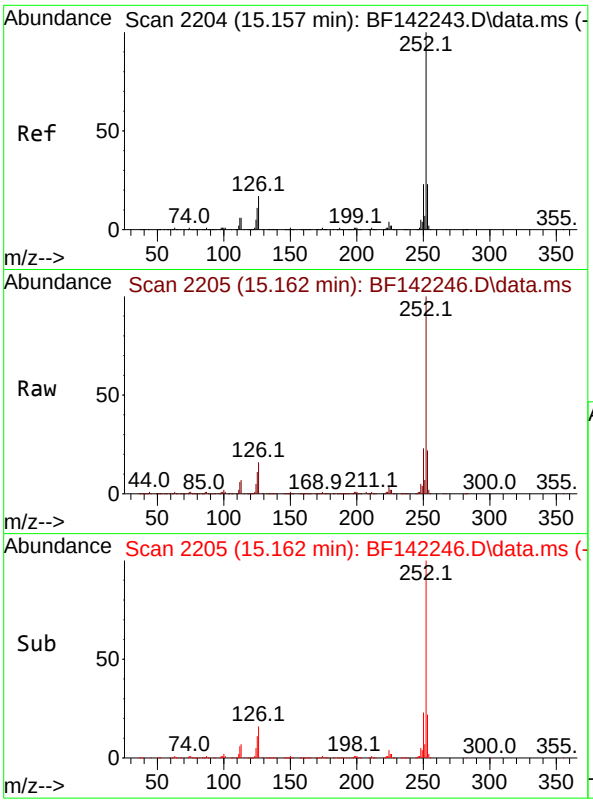


#88
Benzo(b)fluoranthene
Concen: 77.378 ng
RT: 15.133 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 1798083

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.6	9.0	13.4

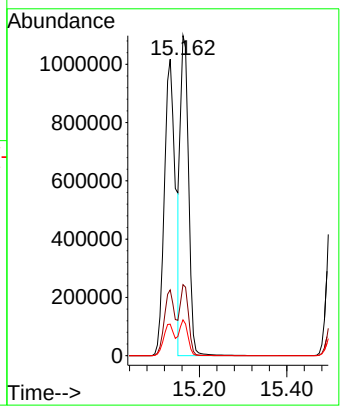




#89
Benzo(k)fluoranthene
Concen: 67.716 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 143930

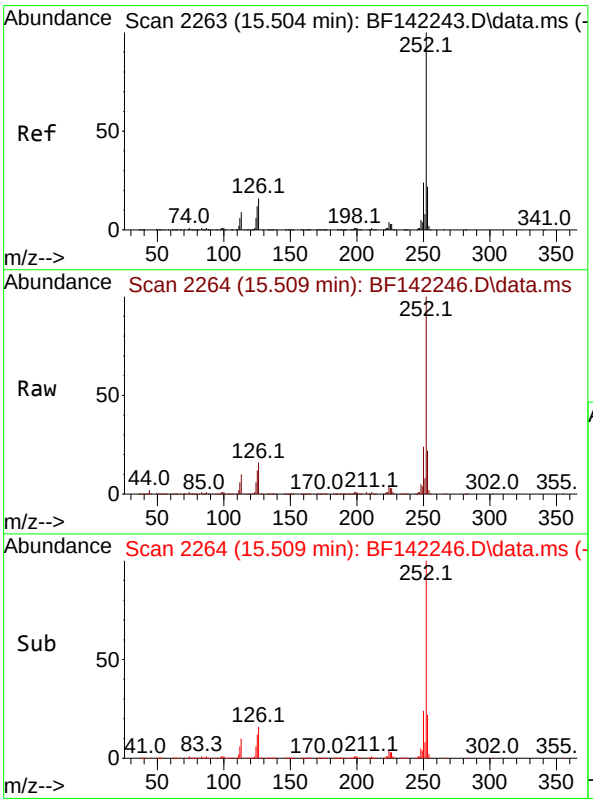
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

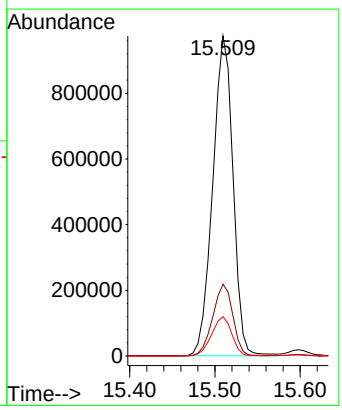
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

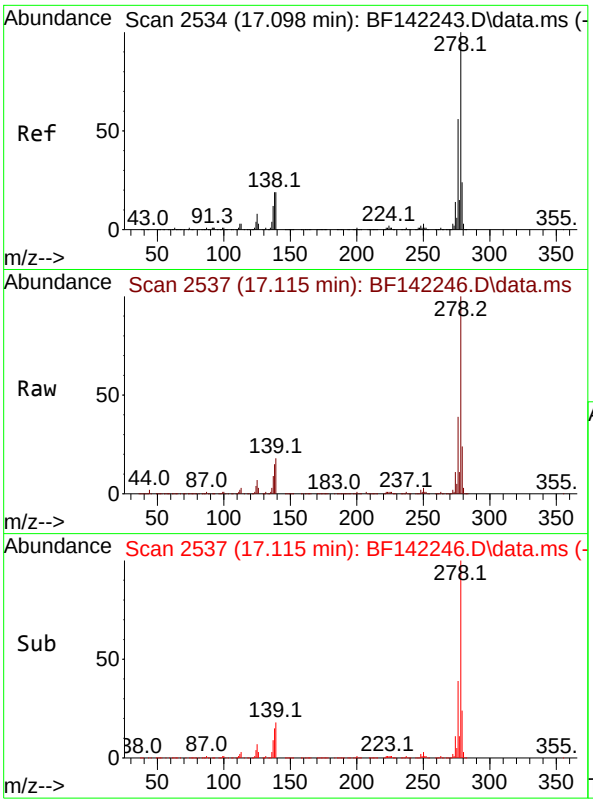


#90
Benzo(a)pyrene
Concen: 75.685 ng
RT: 15.509 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:252 Resp: 1610193

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.2	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 76.989 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

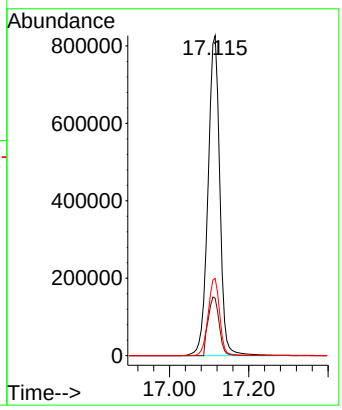
Tgt Ion:278 Resp: 171218

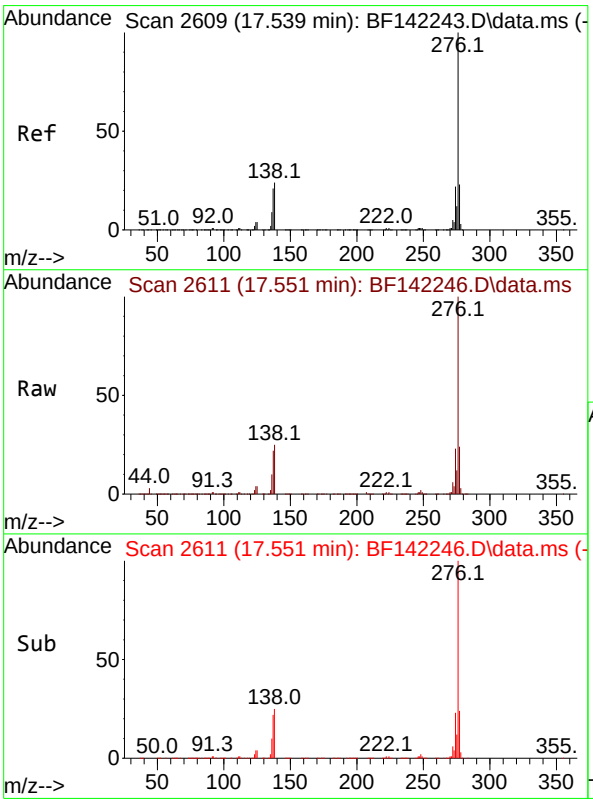
Ion	Ratio	Lower	Upper
278	100		
139	17.9	15.2	22.8
279	24.1	19.0	28.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

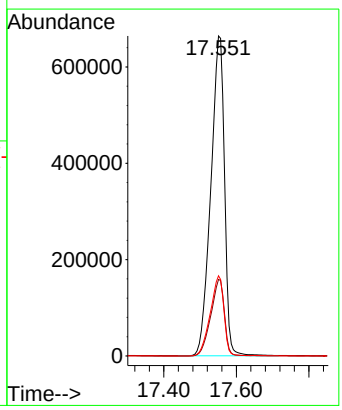




#92
Benzo(g,h,i)perylene
Concen: 77.757 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.012 min
Lab File: BF142246.D
Acq: 30 Apr 2025 14:43

Tgt Ion:276 Resp: 1738450

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	25.1	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	185327	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	725482	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381170	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	633040	20.000	ng	0.00
76) Chrysene-d12	14.074	240	345729	20.000	ng	0.00
86) Perylene-d12	15.562	264	342826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	987704	85.116	ng	0.00
7) Phenol-d6	6.522	99	1201328	85.730	ng	0.00
23) Nitrobenzene-d5	7.469	82	1091522	98.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	323319	93.044	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2157499	79.807	ng	0.00
79) Terphenyl-d14	13.021	244	2037561	85.716	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	219939	42.438	ng	98
3) Pyridine	3.469	79	572034	42.469	ng	99
4) n-Nitrosodimethylamine	3.416	42	299316	42.942	ng	96
6) Aniline	6.569	93	844910	42.598	ng	99
8) 2-Chlorophenol	6.692	128	530021	44.202	ng	98
9) Benzaldehyde	6.457	77	420408	42.925	ng	99
10) Phenol	6.539	94	645155m	42.765	ng	
11) bis(2-Chloroethyl)ether	6.639	93	494843	42.329	ng	98
12) 1,3-Dichlorobenzene	6.851	146	567280	41.819	ng	99
13) 1,4-Dichlorobenzene	6.928	146	572974	41.924	ng	100
14) 1,2-Dichlorobenzene	7.081	146	551216	42.247	ng	99
15) Benzyl Alcohol	7.045	79	431108	43.378	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	901053	42.684	ng	99
17) 2-Methylphenol	7.151	107	415403	42.288	ng	98
18) Hexachloroethane	7.422	117	197959	44.255	ng	95
19) n-Nitroso-di-n-propyla...	7.322	70	363621	41.992	ng	99
20) 3+4-Methylphenols	7.304	107	539514	43.919	ng	98
22) Acetophenone	7.316	105	695539	41.441	ng	98
24) Nitrobenzene	7.492	77	513604	47.402	ng	99
25) Isophorone	7.728	82	968502	41.789	ng	100
26) 2-Nitrophenol	7.804	139	219881	48.175	ng	100
27) 2,4-Dimethylphenol	7.833	122	502502	43.004	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	610669	41.780	ng	99
29) 2,4-Dichlorophenol	8.039	162	429967	44.013	ng	99
30) 1,2,4-Trichlorobenzene	8.133	180	454848	41.724	ng	100
31) Naphthalene	8.216	128	1483568	41.005	ng	100
32) Benzoic acid	7.933	122	246172m	45.113	ng	
33) 4-Chloroaniline	8.257	127	622894	41.344	ng	100
34) Hexachlorobutadiene	8.333	225	267940	42.127	ng	99
35) Caprolactam	8.622	113	130473	44.434	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	436215	43.485	ng	100
37) 2-Methylnaphthalene	8.904	142	915474	41.155	ng	100
38) 1-Methylnaphthalene	9.004	142	950163	41.232	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	443561	41.349	ng	100
41) Hexachlorocyclopentadiene	9.057	237	288102	47.321	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	303872	45.713	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	312237	44.676	ng		99
46) 1,1'-Biphenyl	9.369	154	1213047	40.936	ng		100
47) 2-Chloronaphthalene	9.392	162	903974	41.003	ng		99
48) 2-Nitroaniline	9.480	65	269528	46.523	ng		95
49) Acenaphthylene	9.810	152	1533164	41.211	ng		100
50) Dimethylphthalate	9.669	163	1025498	42.054	ng		100
51) 2,6-Dinitrotoluene	9.727	165	211107	45.376	ng		96
52) Acenaphthene	9.980	154	904325	41.631	ng		99
53) 3-Nitroaniline	9.892	138	257926	45.509	ng		96
54) 2,4-Dinitrophenol	9.992	184	62568	49.090	ng	#	6
55) Dibenzofuran	10.151	168	1340934	41.181	ng		100
56) 4-Nitrophenol	10.033	139	191463	49.952	ng		99
57) 2,4-Dinitrotoluene	10.127	165	265412	46.994	ng		96
58) Fluorene	10.492	166	1008032	40.714	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	264709	45.724	ng		100
60) Diethylphthalate	10.369	149	1016722	42.222	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	477688	40.626	ng		99
62) 4-Nitroaniline	10.504	138	232165	45.070	ng		98
63) Azobenzene	10.645	77	984443	41.400	ng		99
65) 4,6-Dinitro-2-methylph...	10.533	198	96341	46.598	ng		95
66) n-Nitrosodiphenylamine	10.604	169	904466	41.816	ng		100
67) 4-Bromophenyl-phenylether	10.980	248	299605	42.497	ng		98
68) Hexachlorobenzene	11.039	284	330048	41.800	ng		97
69) Atrazine	11.127	200	255030	44.732	ng		99
70) Pentachlorophenol	11.233	266	197476	47.342	ng		99
71) Phenanthrene	11.457	178	1400439	40.955	ng		100
72) Anthracene	11.510	178	1463247	41.854	ng		100
73) Carbazole	11.663	167	1332856	41.793	ng		99
74) Di-n-butylphthalate	11.992	149	1412919	44.051	ng		100
75) Fluoranthene	12.645	202	1409189	41.690	ng		99
77) Benzidine	12.768	184	682155	46.435	ng		99
78) Pyrene	12.874	202	1405875	44.082	ng		100
80) Butylbenzylphthalate	13.492	149	371146	42.984	ng		98
81) Benzo(a)anthracene	14.062	228	960484	41.383	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	310153	45.495	ng		98
83) Chrysene	14.098	228	890671	42.158	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	487122	40.882	ng		99
85) Di-n-octyl phthalate	14.674	149	889844	41.178	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1098774	43.757	ng		99
88) Benzo(b)fluoranthene	15.121	252	860370	40.403	ng		100
89) Benzo(k)fluoranthene	15.157	252	811540	41.665	ng		99
90) Benzo(a)pyrene	15.498	252	826250	42.380	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	887855	43.565	ng		99
92) Benzo(g,h,i)perylene	17.527	276	899474	43.902	ng		99

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

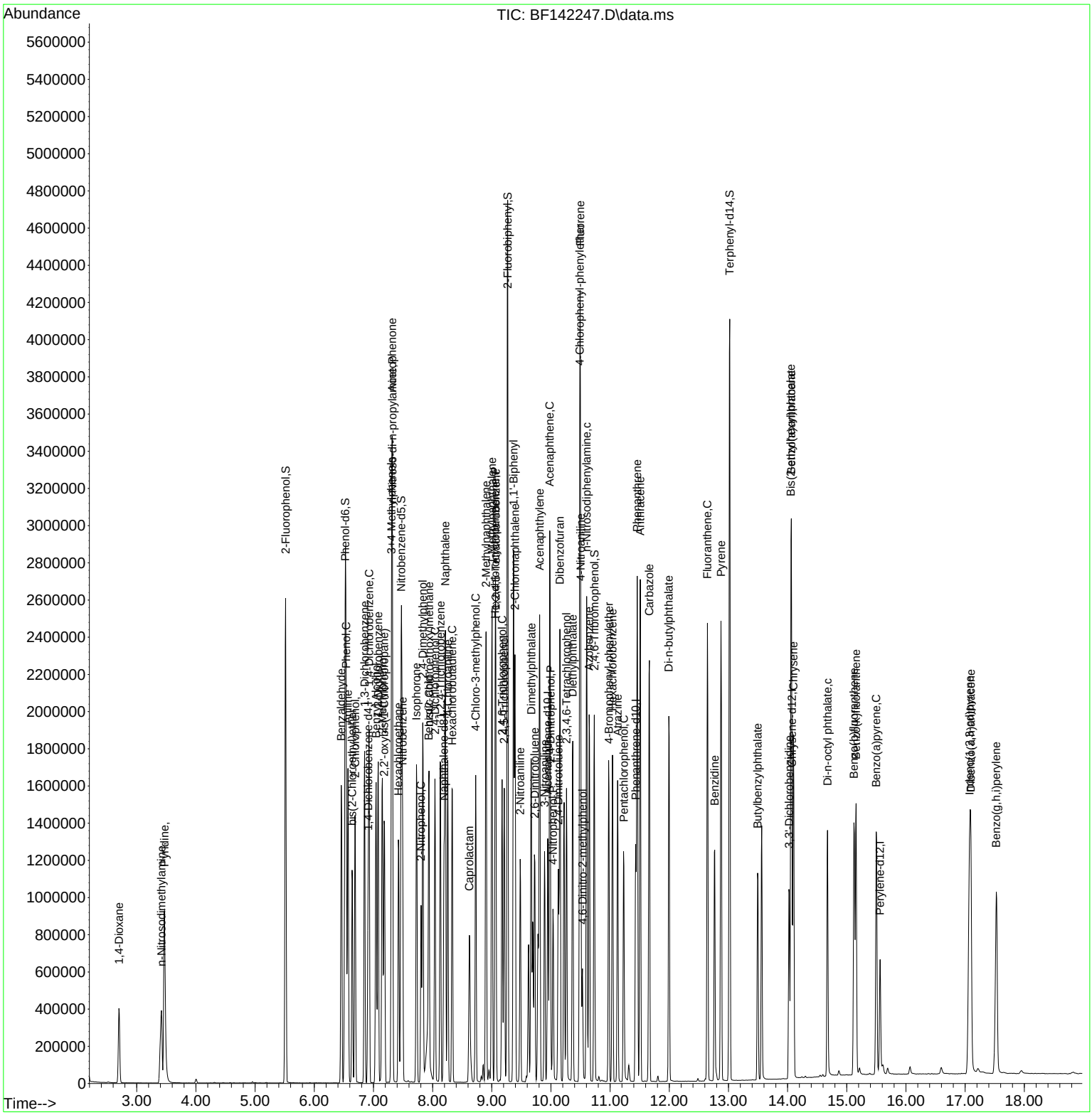
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

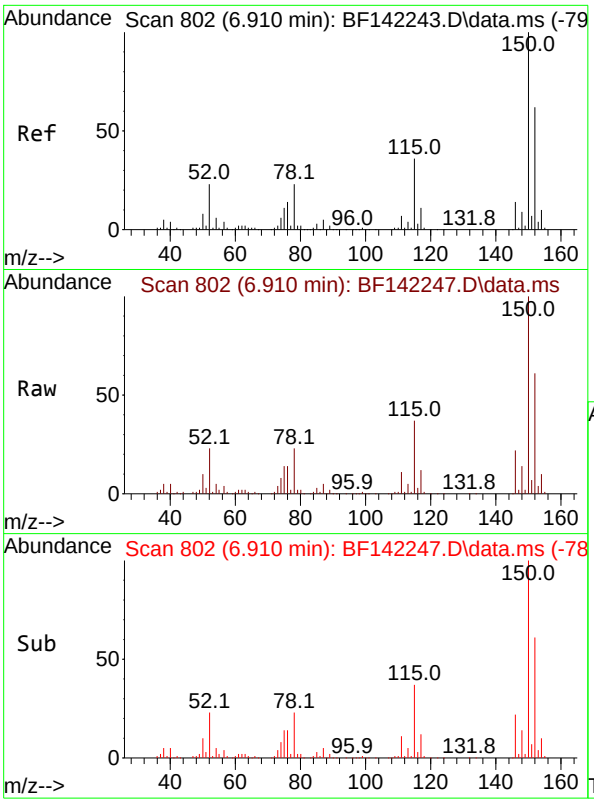
Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

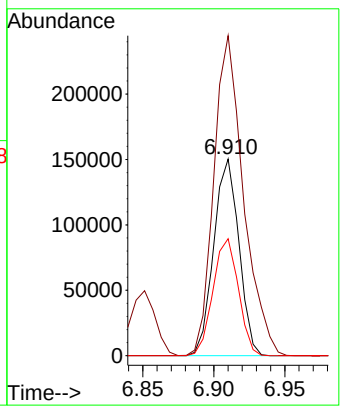




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:152 Resp: 18532

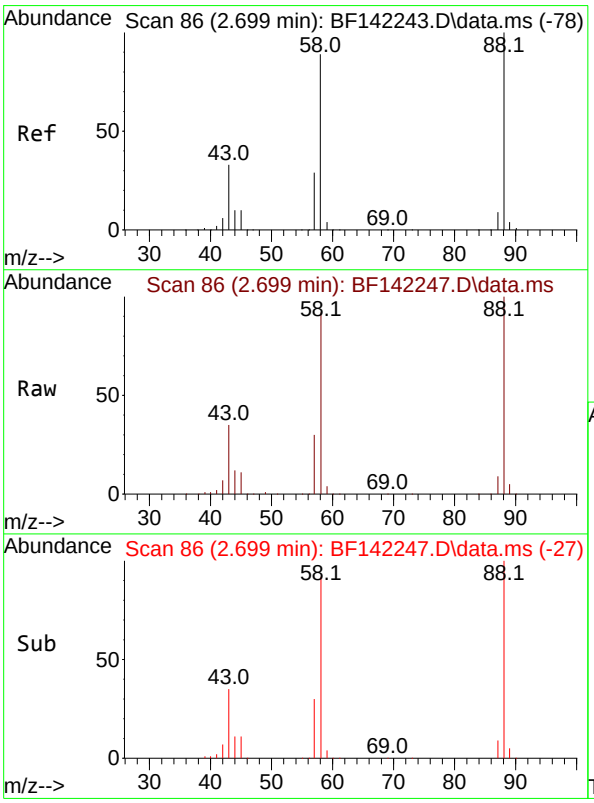
Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	59.5	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

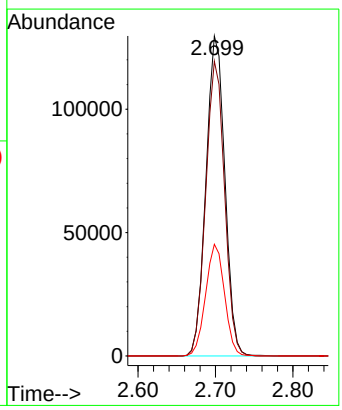
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

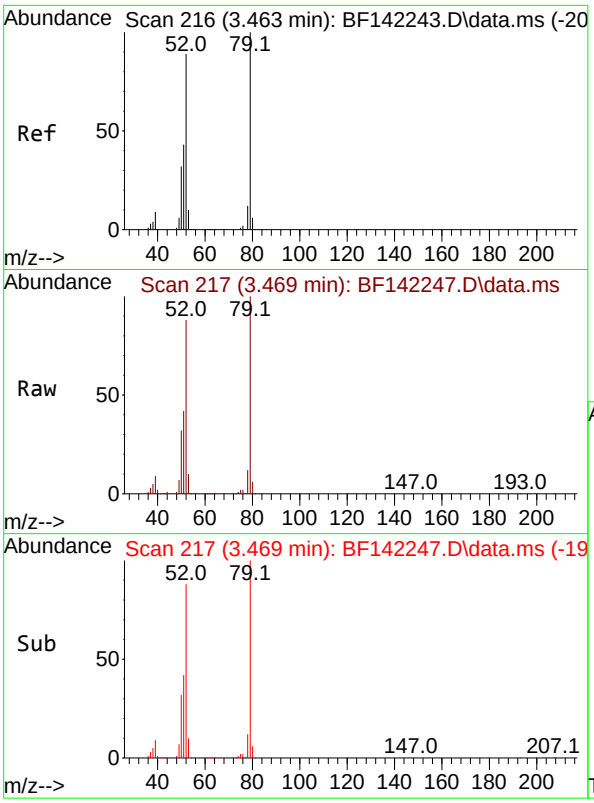


#2
1,4-Dioxane
Concen: 42.438 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 88 Resp: 219939

Ion	Ratio	Lower	Upper
88	100		
58	91.6	72.2	108.2
43	34.8	27.0	40.6

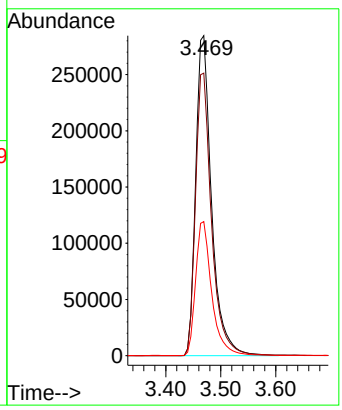




#3
Pyridine
Concen: 42.469 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 79 Resp: 57203

Ion	Ratio	Lower	Upper
79	100		
52	88.3	71.5	107.3
51	41.9	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
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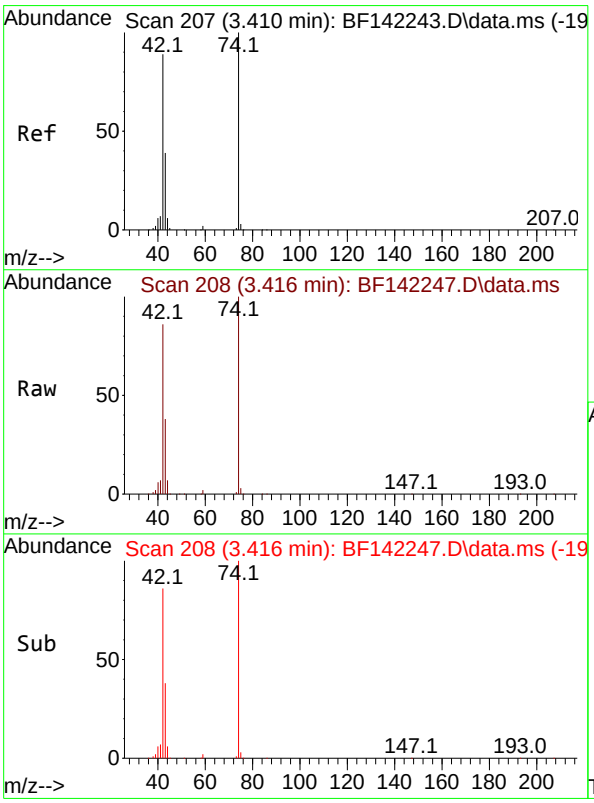
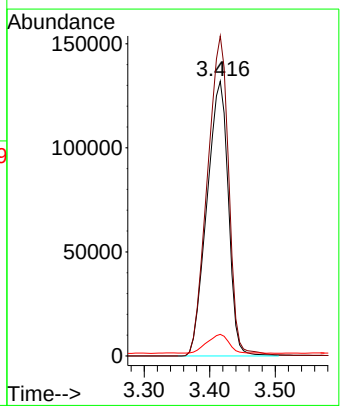
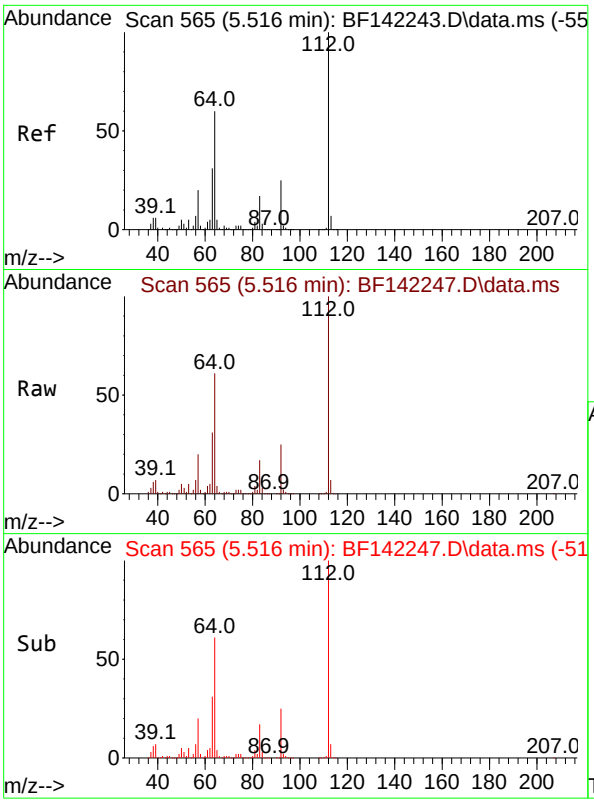


#4
n-Nitrosodimethylamine
Concen: 42.942 ng
RT: 3.416 min Scan# 208
Delta R.T. 0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 42 Resp: 299316

Ion	Ratio	Lower	Upper
42	100		
74	116.5	89.5	134.3
44	7.9	6.6	9.8





#5
2-Fluorophenol
Concen: 85.116 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:112 Resp: 98770

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.4	72.6
63	31.2	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
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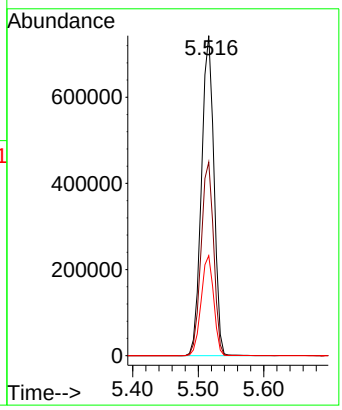
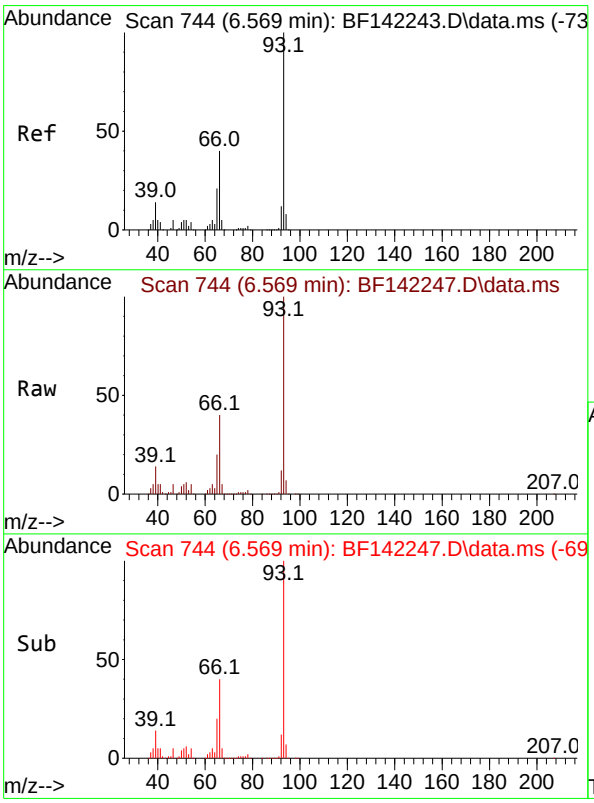
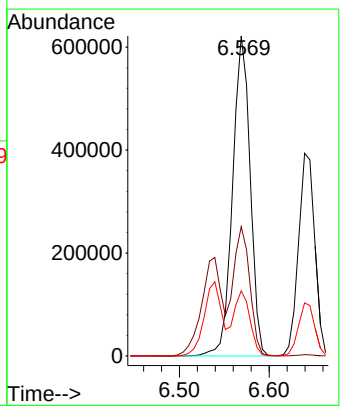


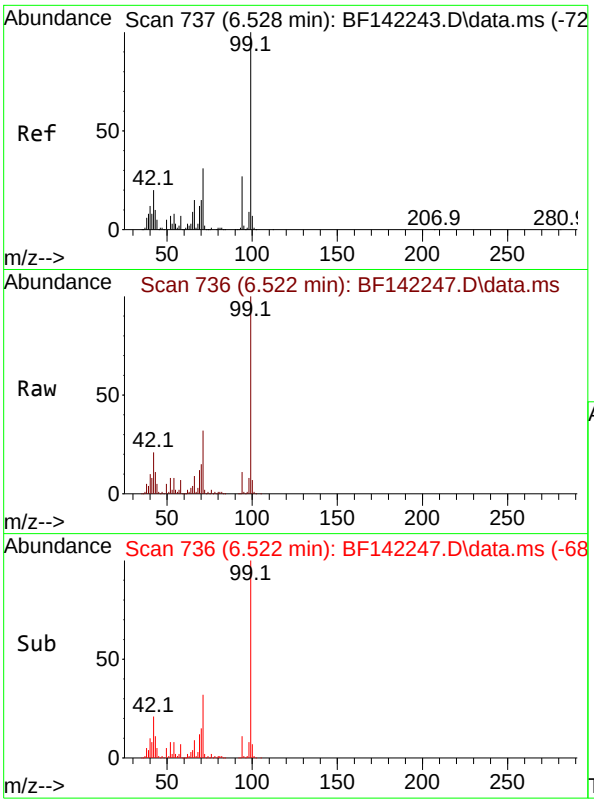


#6
Aniline
Concen: 42.598 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 93 Resp: 844910

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.1	48.1
65	20.3	16.6	24.8

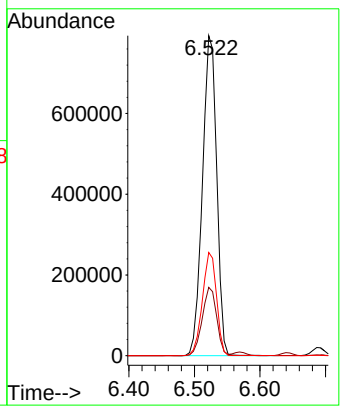




#7
Phenol-d6
Concen: 85.730 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 99 Resp: 120132

Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.3	24.5
71	32.2	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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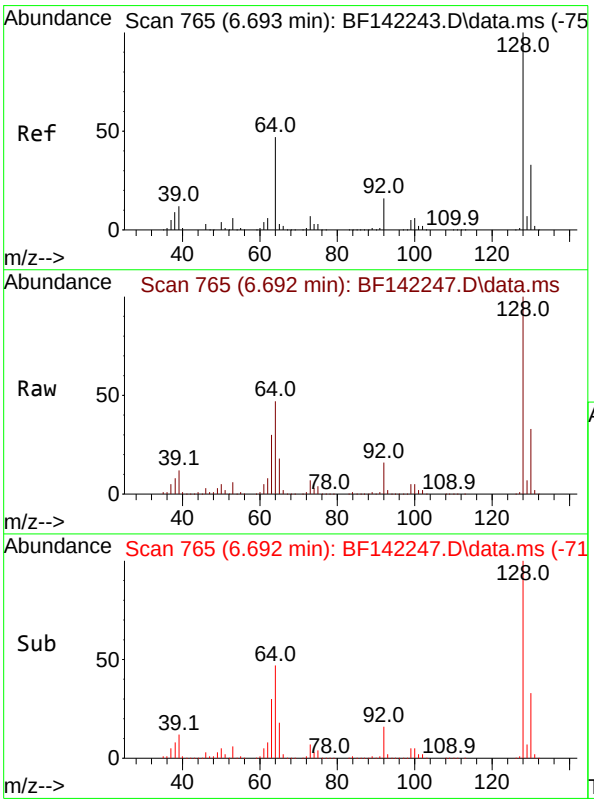
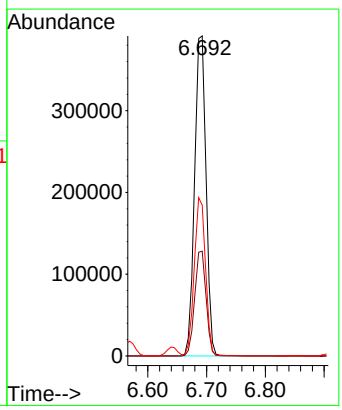
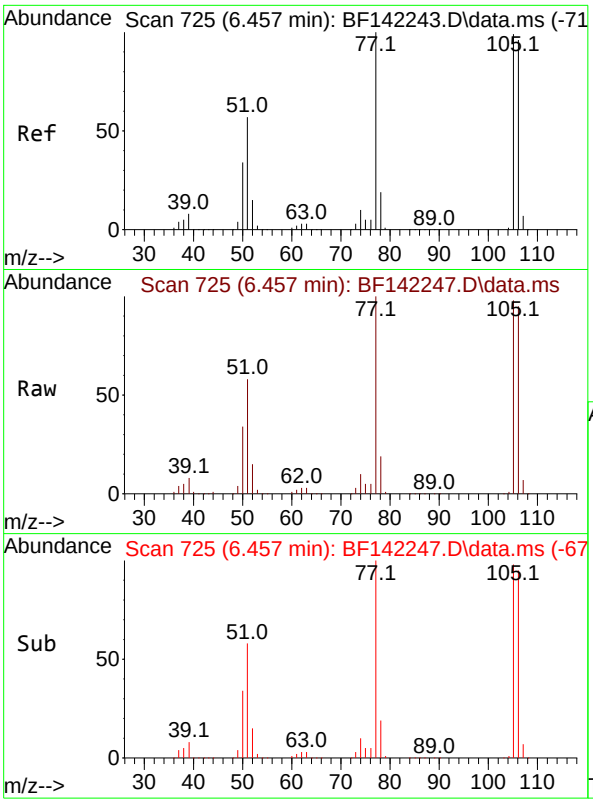


#8
2-Chlorophenol
Concen: 44.202 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:128 Resp: 530021

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.1	53.1
64	47.1	28.6	68.6

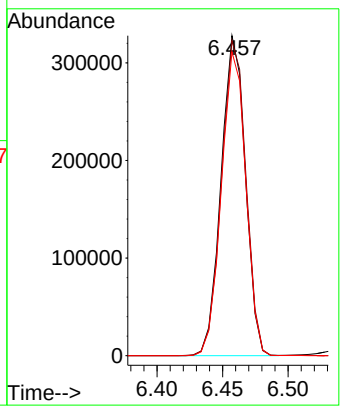




#9
Benzaldehyde
Concen: 42.925 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 77 Resp: 42040

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.1	119.1
106	95.0	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
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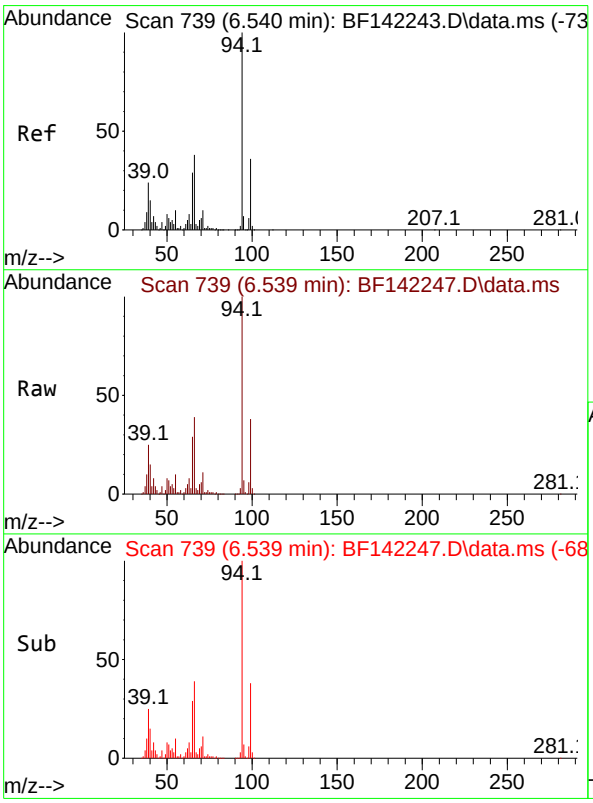
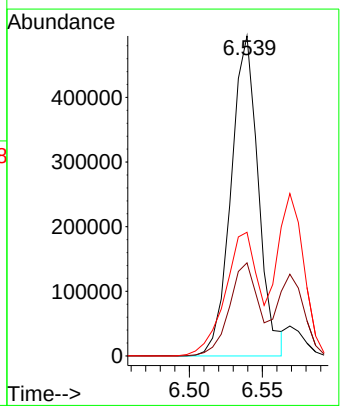
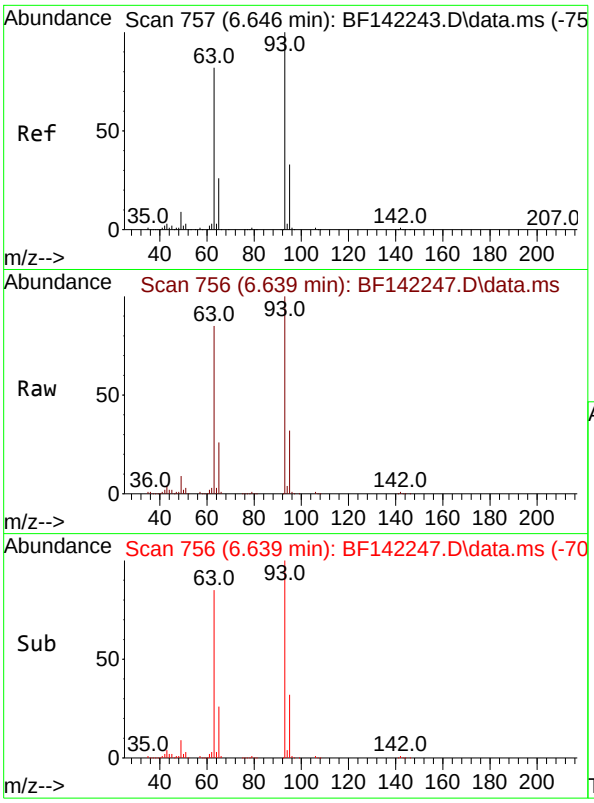


#10
Phenol
Concen: 42.765 ng m
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 94 Resp: 645155

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.9	48.9
66	38.7	18.7	58.7

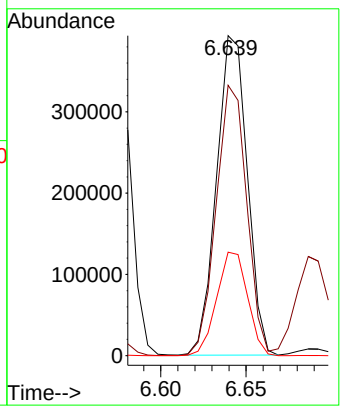




#11
bis(2-Chloroethyl)ether
Concen: 42.329 ng
RT: 6.639 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 93 Resp: 49484

Ion	Ratio	Lower	Upper
93	100		
63	84.5	62.2	102.2
95	32.4	12.7	52.7



Instrument :
BNA_F
ClientSampleId :
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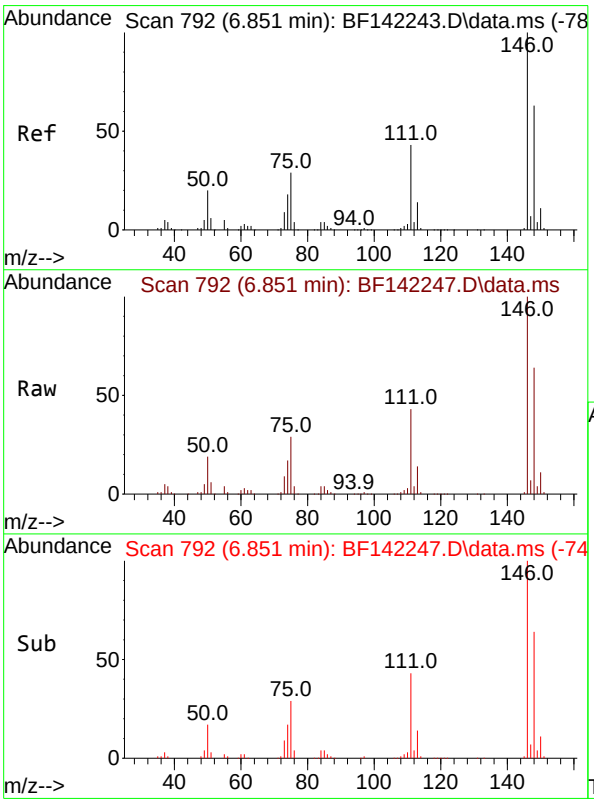
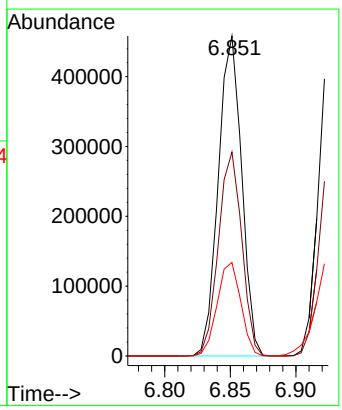
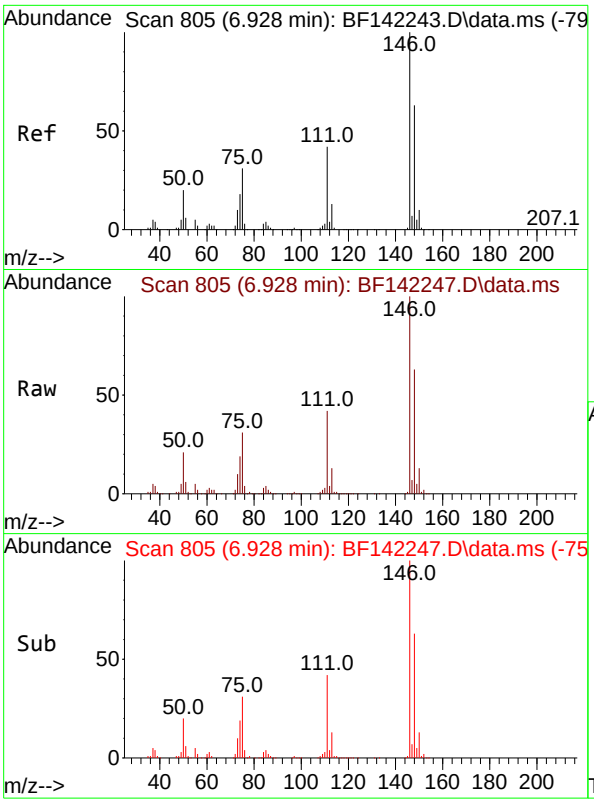


#12
1,3-Dichlorobenzene
Concen: 41.819 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:146 Resp: 567280

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
75	29.2	23.2	34.8

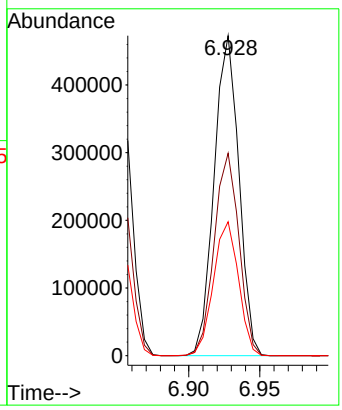




#13
1,4-Dichlorobenzene
Concen: 41.924 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:146 Resp: 57297

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	41.8	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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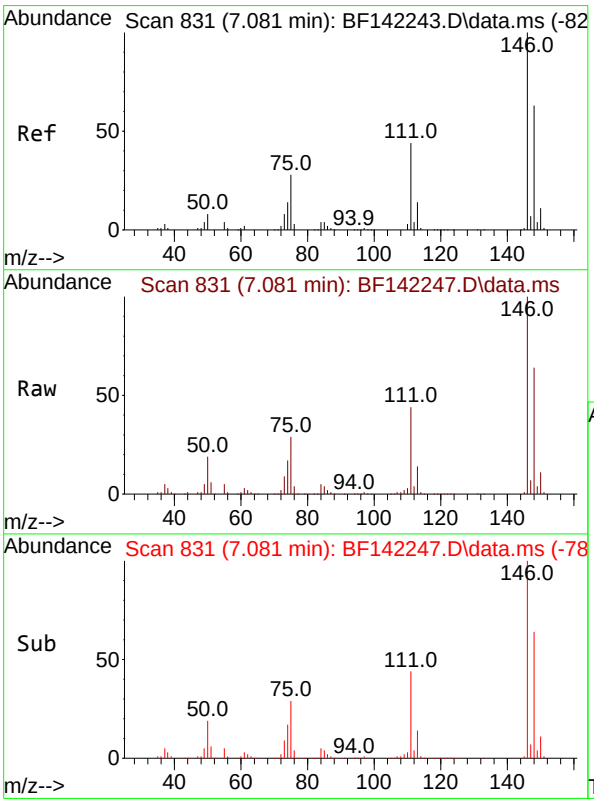
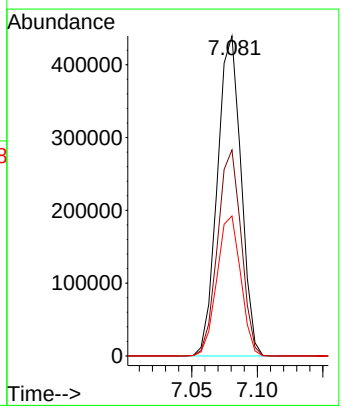
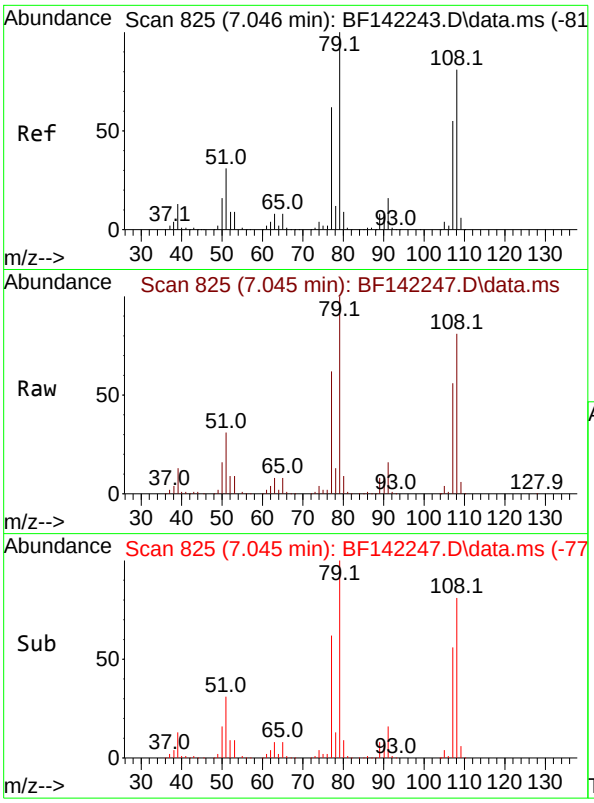


#14
1,2-Dichlorobenzene
Concen: 42.247 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:146 Resp: 551216

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
111	43.8	34.9	52.3





#15
Benzyl Alcohol
Concen: 43.378 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 79 Resp: 43110

Ion	Ratio	Lower	Upper
79	100		
108	81.5	64.5	96.7
77	62.1	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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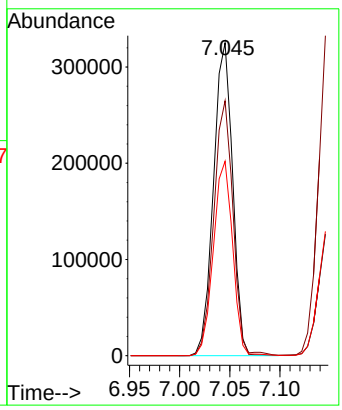
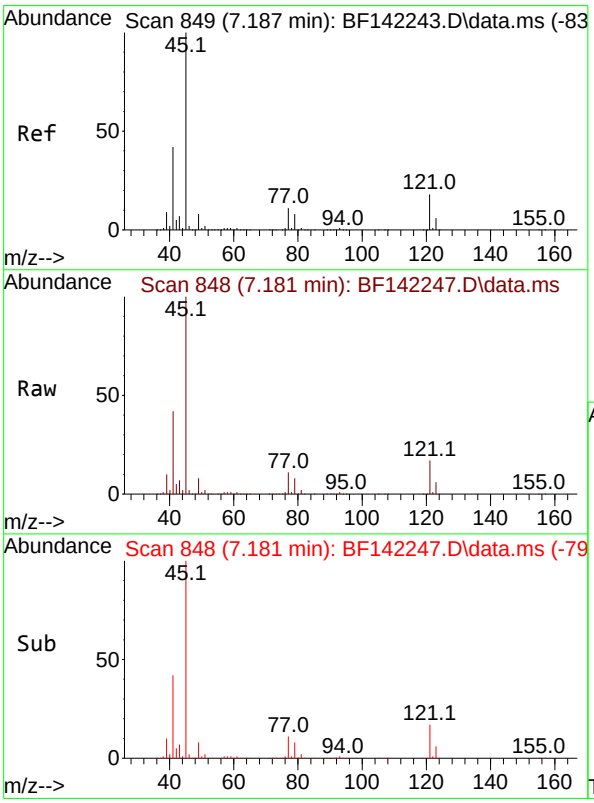
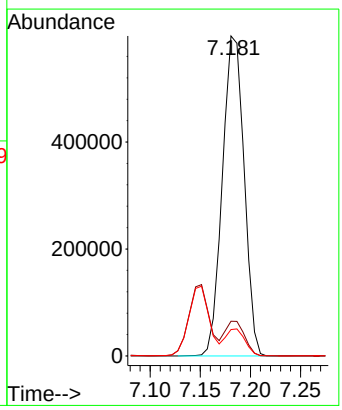


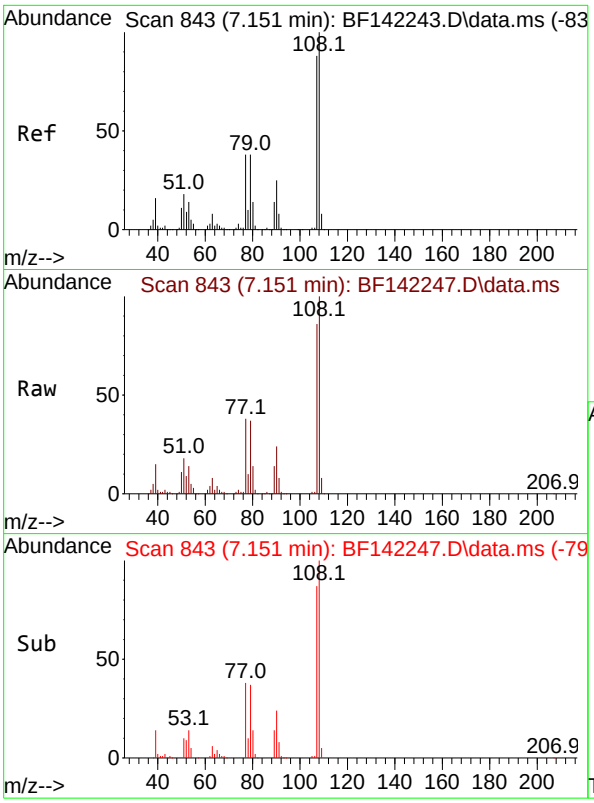


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.684 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 45 Resp: 901053

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.3
79	8.2	0.0	28.5

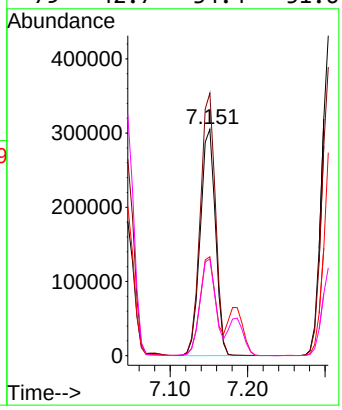




#17
2-Methylphenol
Concen: 42.288 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:107 Resp: 41540

Ion	Ratio	Lower	Upper
107	100		
108	116.0	91.0	136.4
77	43.7	34.4	51.6
79	42.7	34.4	51.6



Instrument :
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ClientSampleId :
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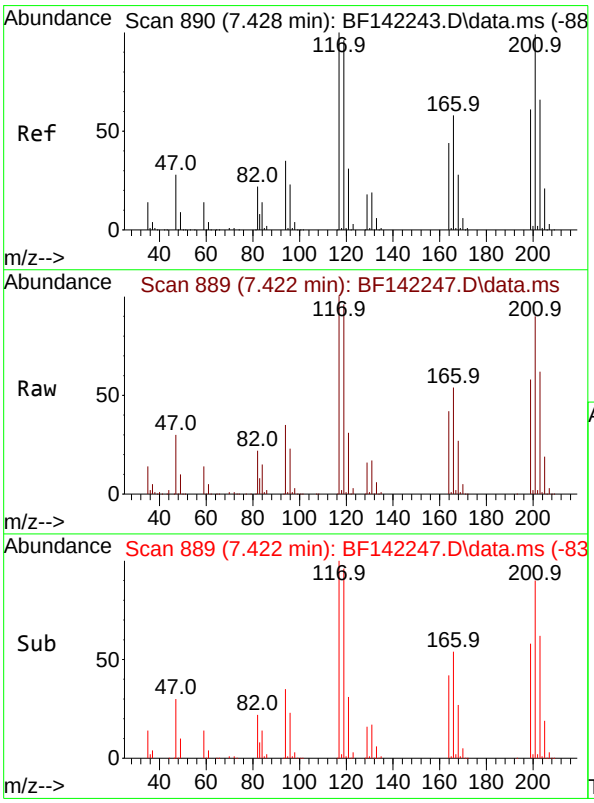
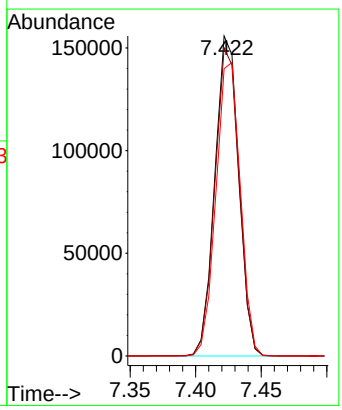
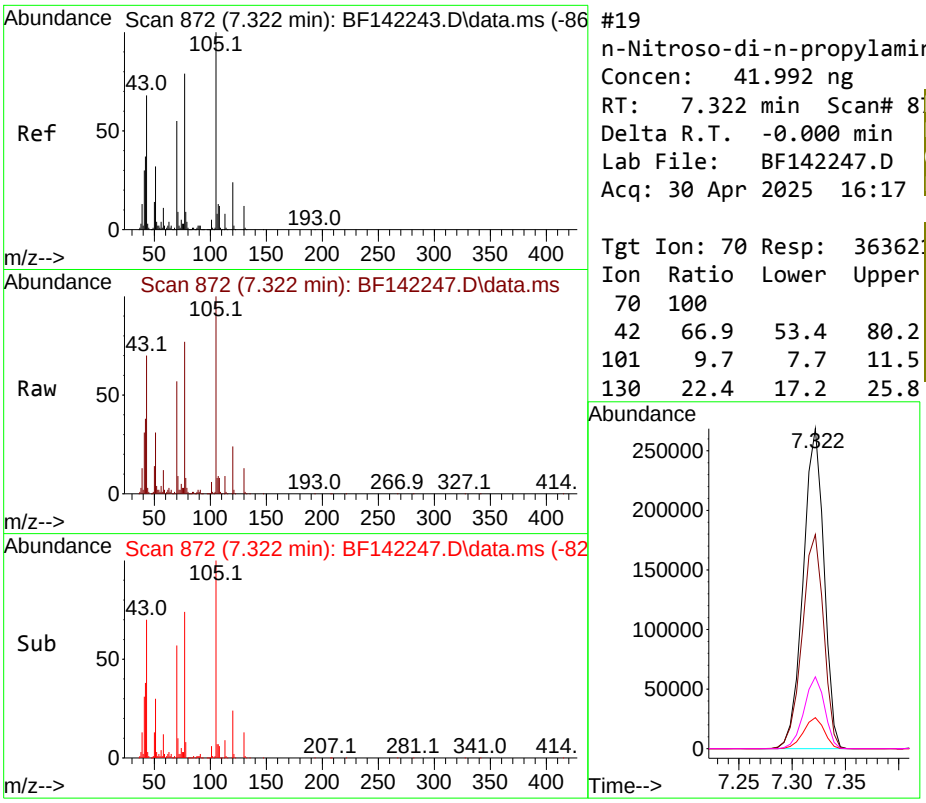


#18
Hexachloroethane
Concen: 44.255 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:117 Resp: 197959

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
201	89.8	79.4	119.2





#19
n-Nitroso-di-n-propylamine
Concen: 41.992 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 70 Resp: 36362

Ion	Ratio	Lower	Upper
70	100		
42	66.9	53.4	80.2
101	9.7	7.7	11.5
130	22.4	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
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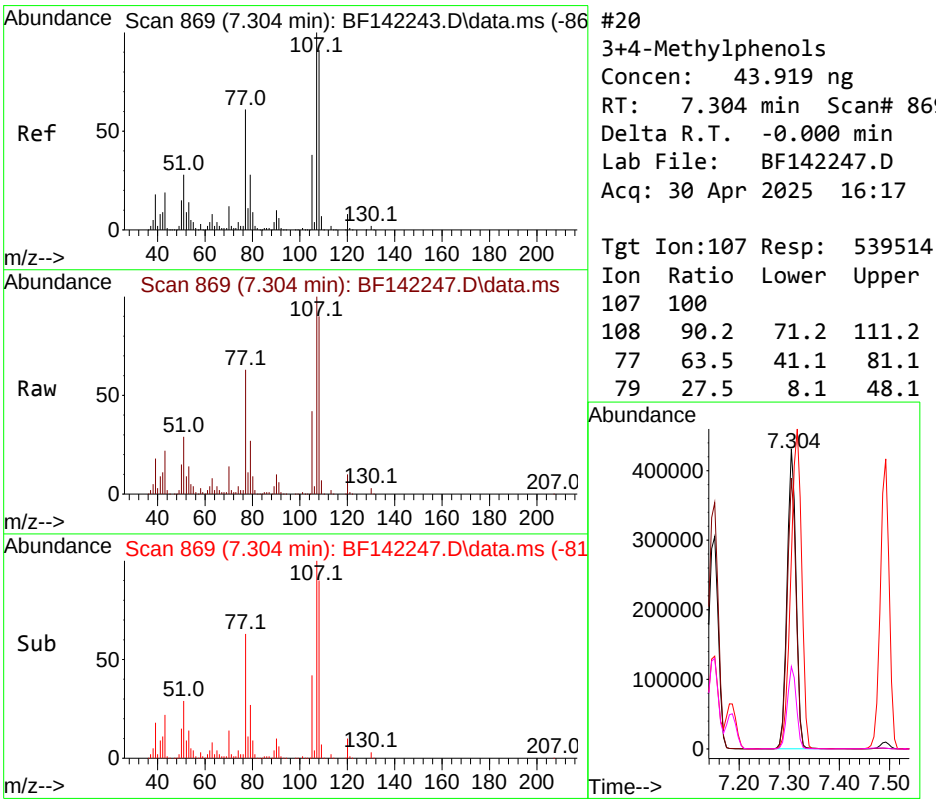
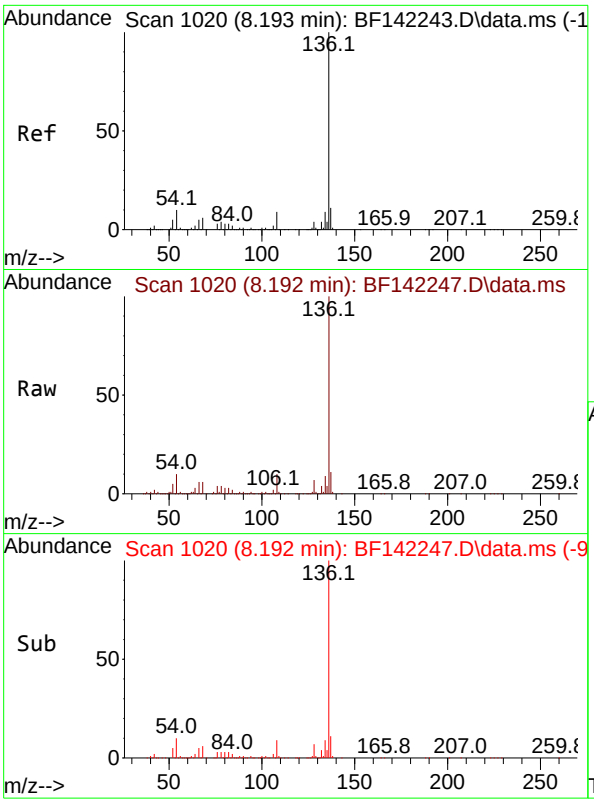


#20
3+4-Methylphenols
Concen: 43.919 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:107 Resp: 539514

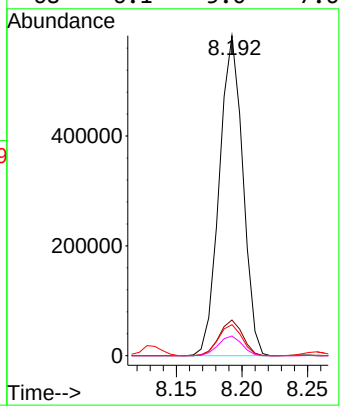
Ion	Ratio	Lower	Upper
107	100		
108	90.2	71.2	111.2
77	63.5	41.1	81.1
79	27.5	8.1	48.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:136 Resp: 72548

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.7	7.7	11.5
68	6.1	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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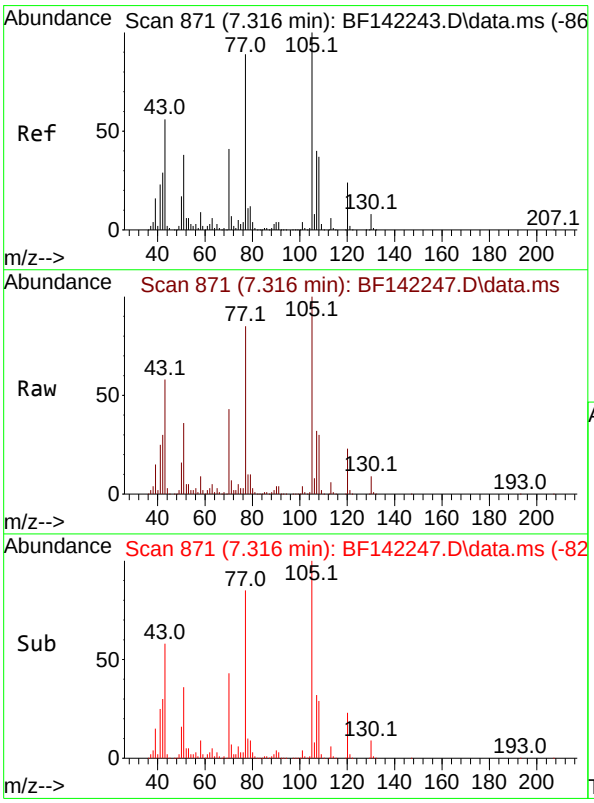
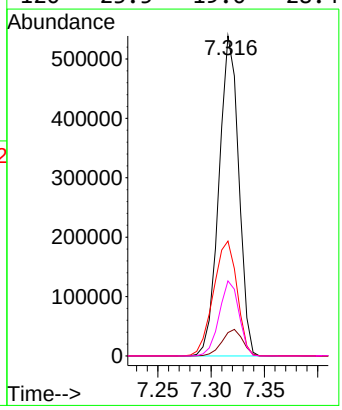
Supervised By :Jagrut Upadhyay 05/01/2025

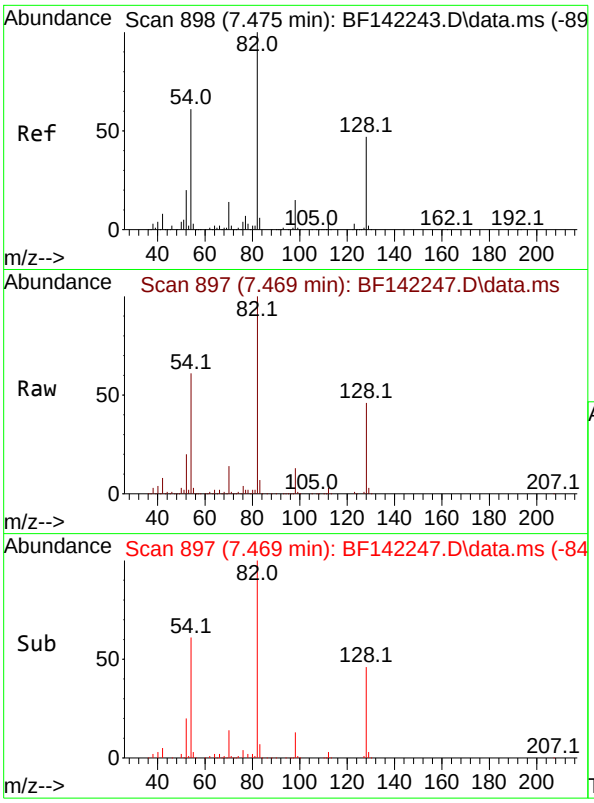


#22
Acetophenone
Concen: 41.441 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:105 Resp: 695539

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.7	8.5
51	35.9	30.1	45.1
120	23.5	19.0	28.4





#23
Nitrobenzene-d5
Concen: 98.845 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 82 Resp: 109152

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.0	55.6
54	61.2	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
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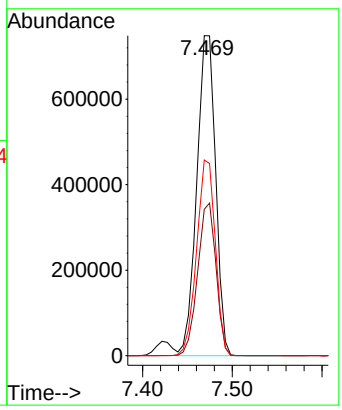
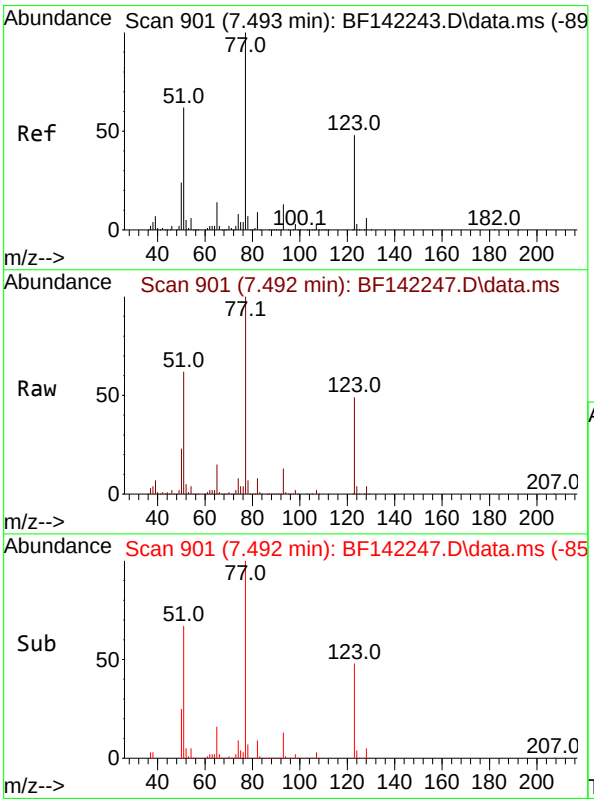
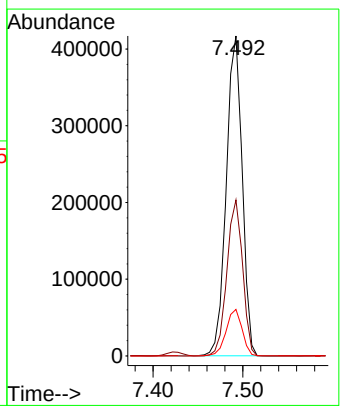


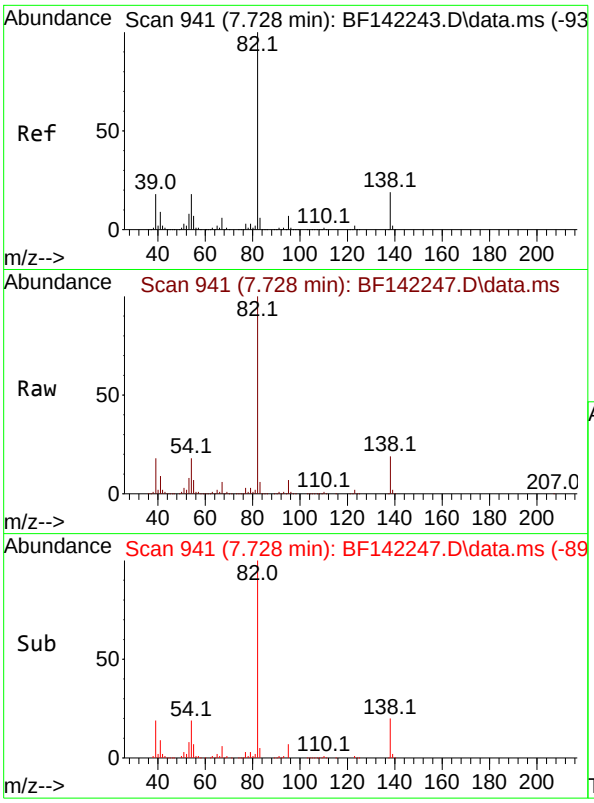


#24
Nitrobenzene
Concen: 47.402 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 77 Resp: 513604

Ion	Ratio	Lower	Upper
77	100		
123	48.8	38.6	58.0
65	14.5	11.5	17.3





#25
Isophorone
Concen: 41.789 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 82 Resp: 96850

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	19.2	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
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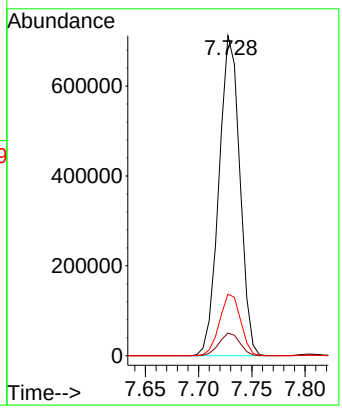
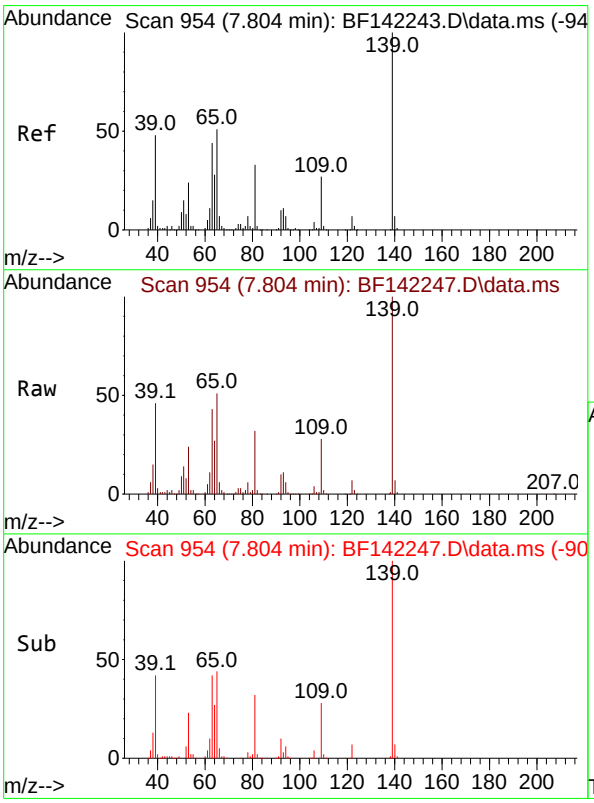
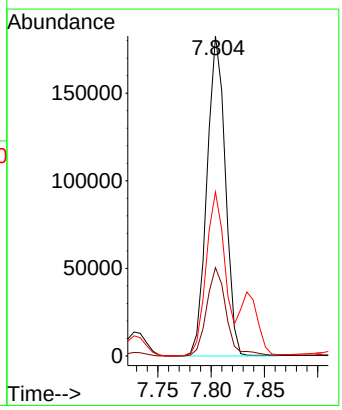


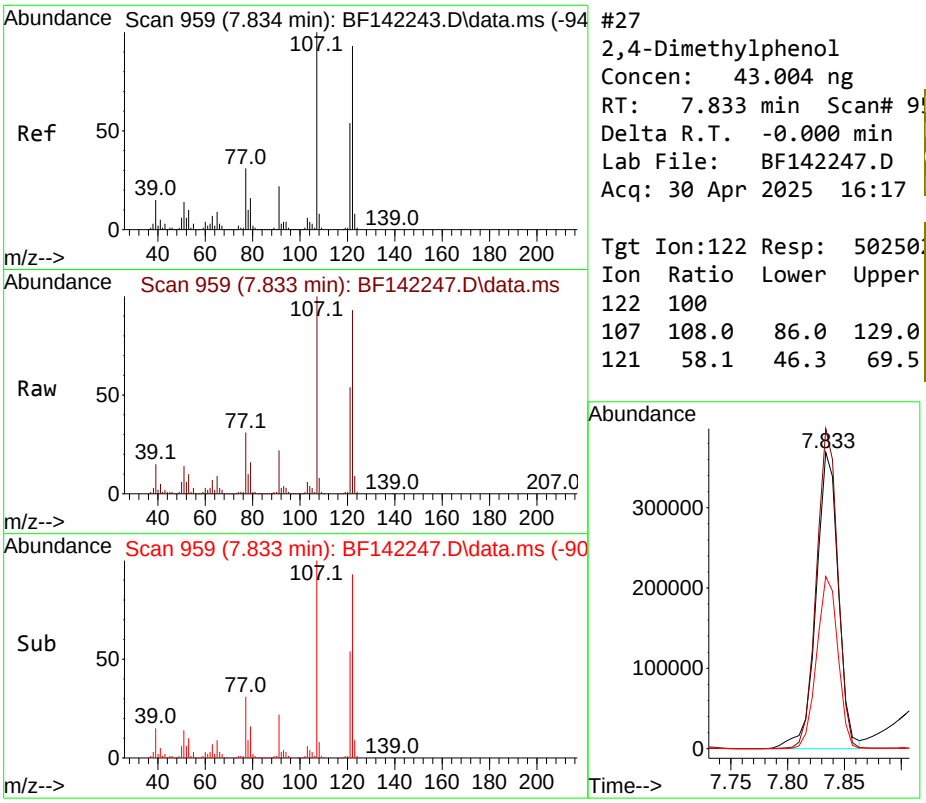


#26
2-Nitrophenol
Concen: 48.175 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:139 Resp: 219881

Ion	Ratio	Lower	Upper
139	100		
109	27.6	21.8	32.8
65	51.2	41.1	61.7





#27
2,4-Dimethylphenol
Concen: 43.004 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:122 Resp: 50250

Ion	Ratio	Lower	Upper
122	100		
107	108.0	86.0	129.0
121	58.1	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
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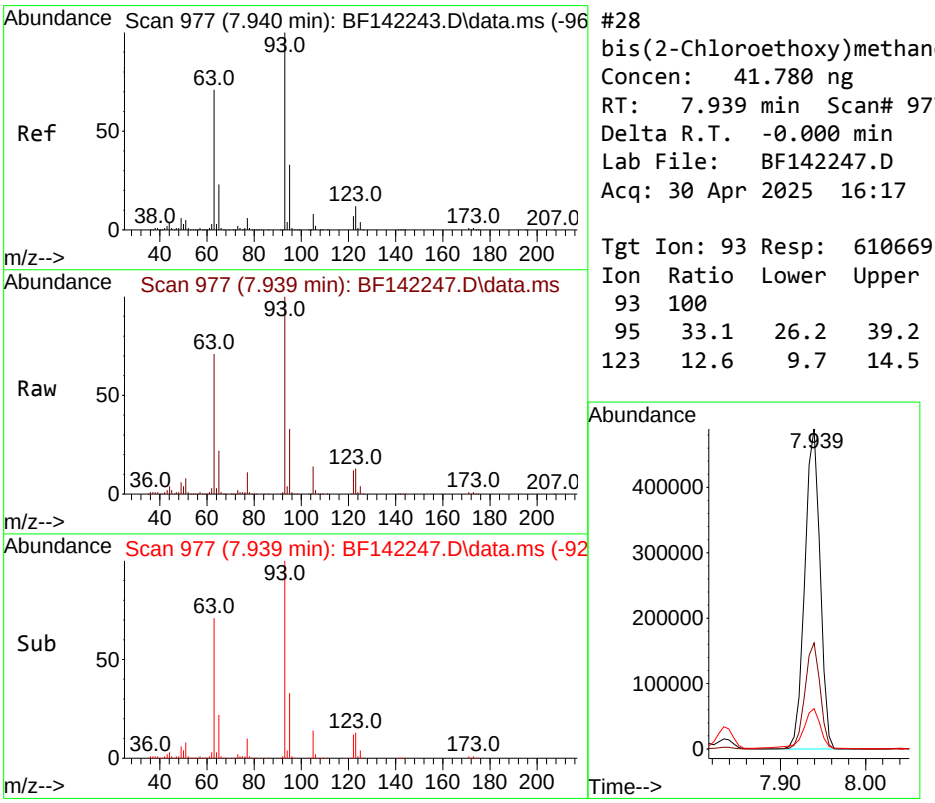
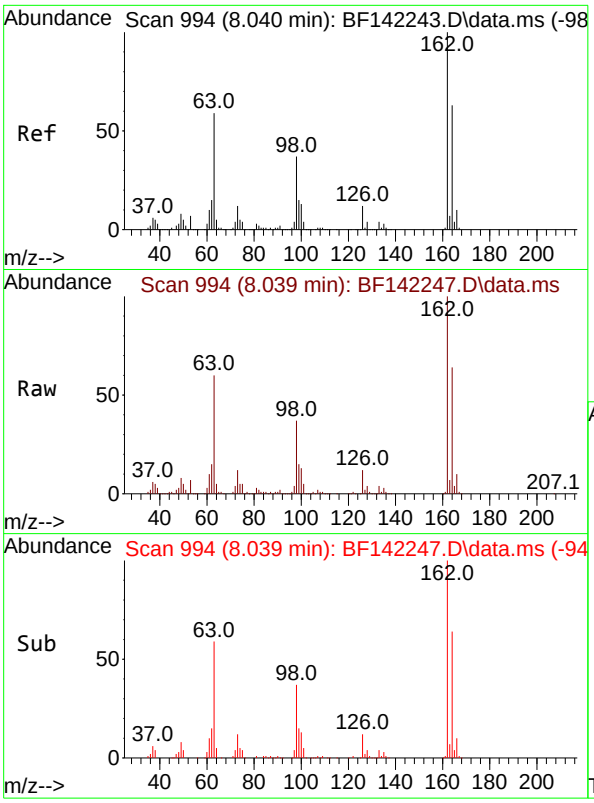


#28
bis(2-Chloroethoxy)methane
Concen: 41.780 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 93 Resp: 610669

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.2
123	12.6	9.7	14.5



#29
2,4-Dichlorophenol
Concen: 44.013 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:162 Resp: 42996

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.0	83.0
98	37.3	16.7	56.7

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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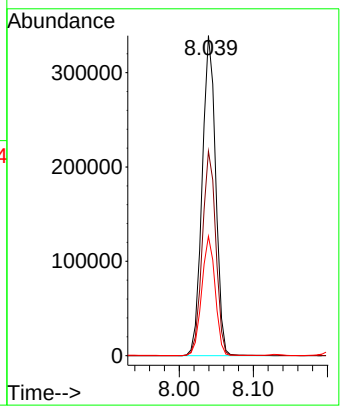
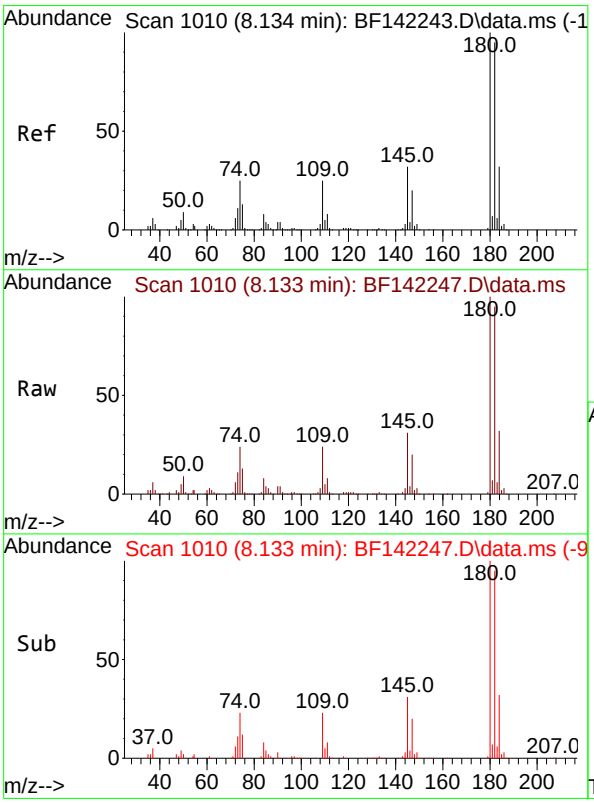
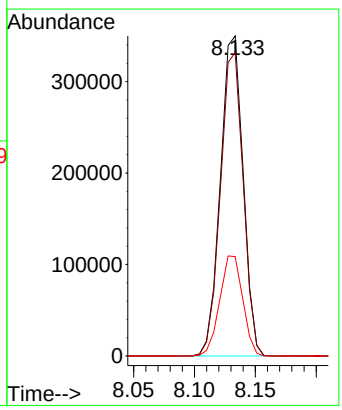


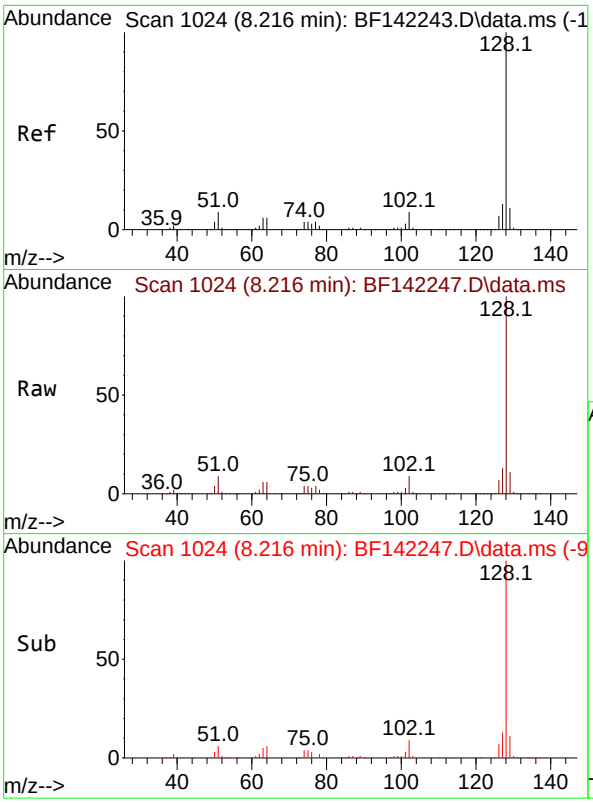


#30
1,2,4-Trichlorobenzene
Concen: 41.724 ng
RT: 8.133 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:180 Resp: 454848

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	31.1	25.4	38.0

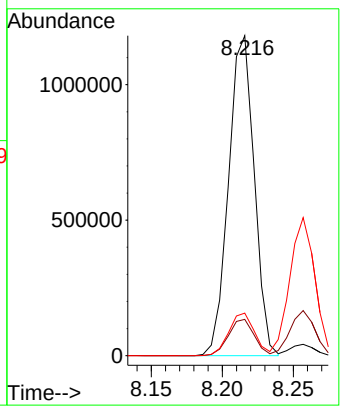




#31
Naphthalene
Concen: 41.005 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:128 Resp: 148356

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
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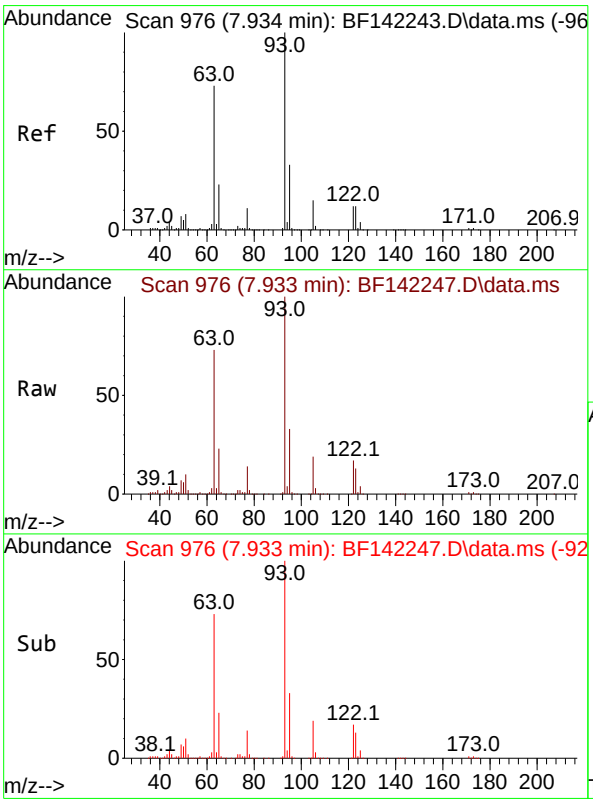
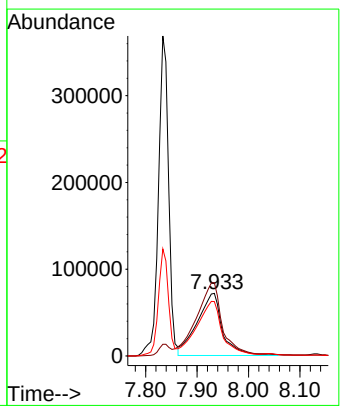
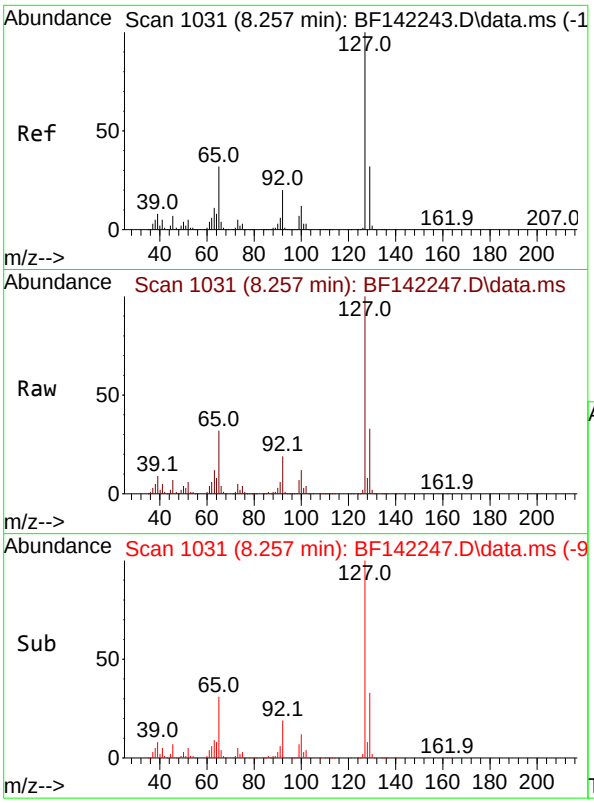


#32
Benzoic acid
Concen: 45.113 ng m
RT: 7.933 min Scan# 976
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:122 Resp: 246172

Ion	Ratio	Lower	Upper
122	100		
105	117.2	98.2	138.2
77	86.9	66.8	106.8

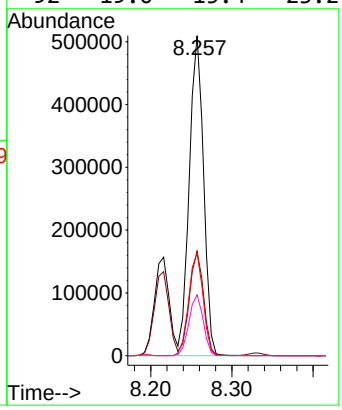




#33
4-Chloroaniline
Concen: 41.344 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:127 Resp: 62289

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.0	25.5	38.3
92	19.0	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
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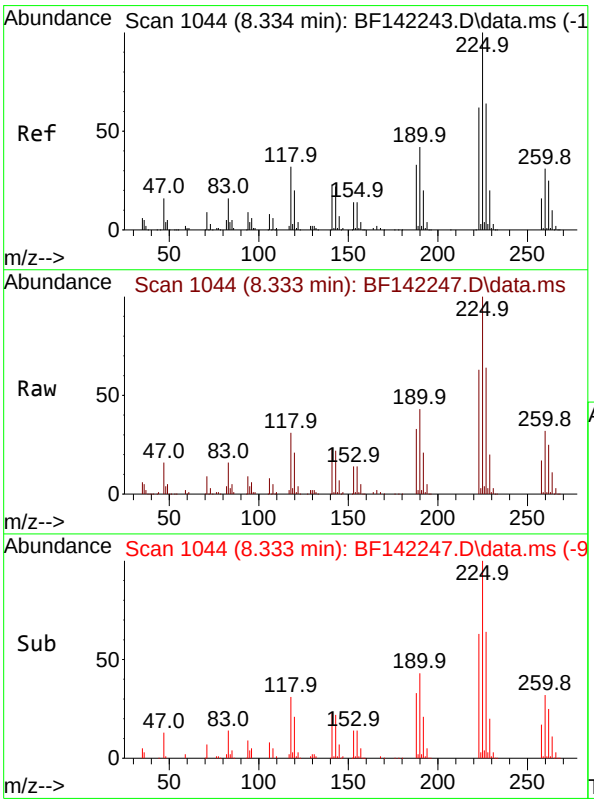
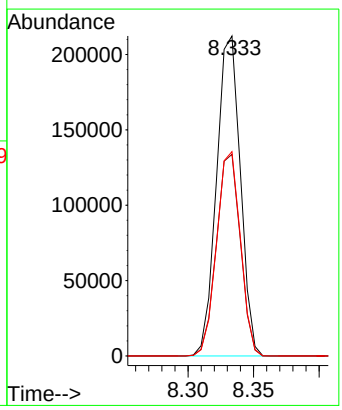
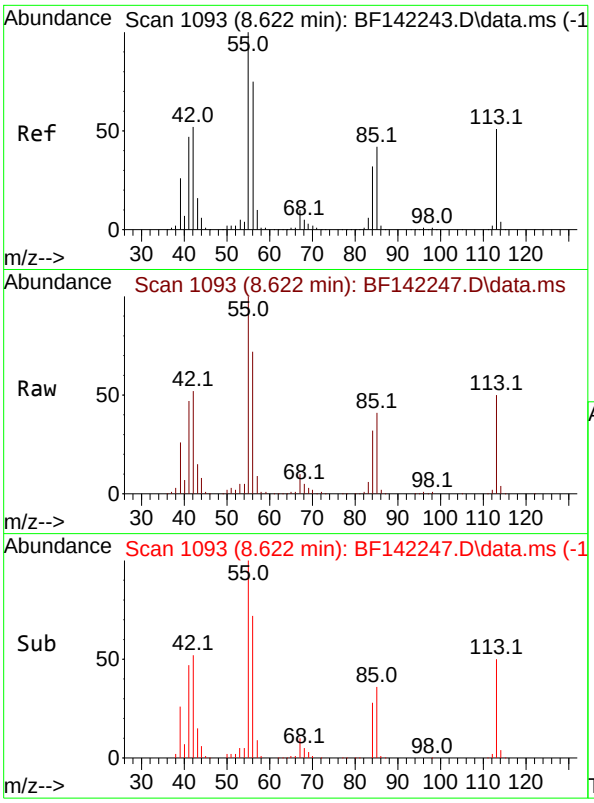


#34
Hexachlorobutadiene
Concen: 42.127 ng
RT: 8.333 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:225 Resp: 267940

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.7	74.5
227	63.9	51.0	76.4





#35
Caprolactam
Concen: 44.434 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:113 Resp: 13047

Ion	Ratio	Lower	Upper
113	100		
55	199.6	177.7	217.7
56	144.7	127.1	167.1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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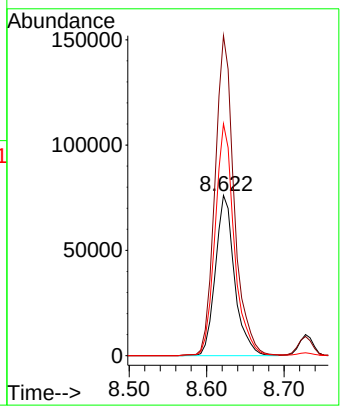
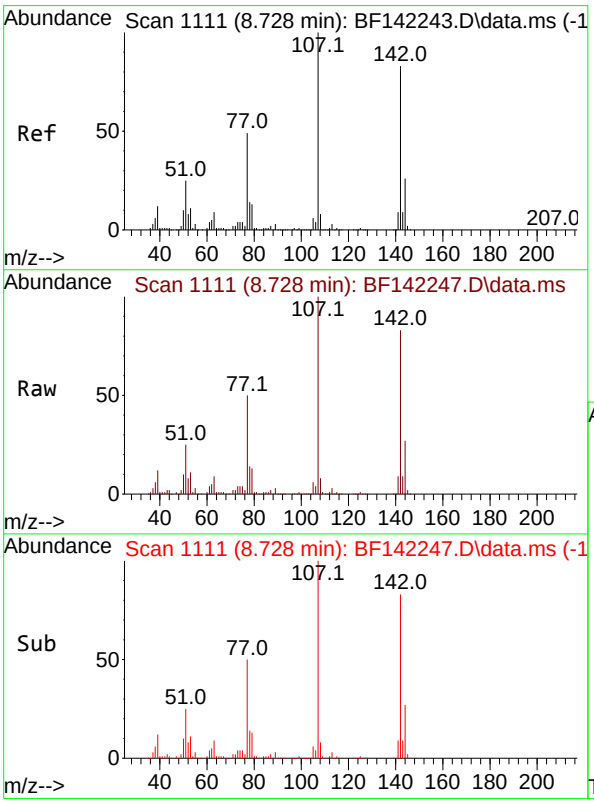
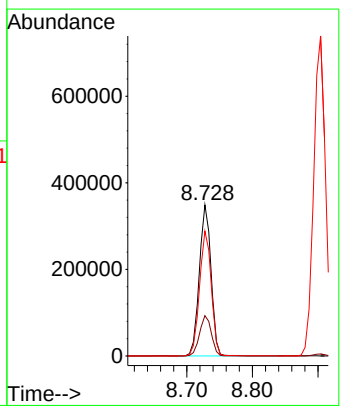


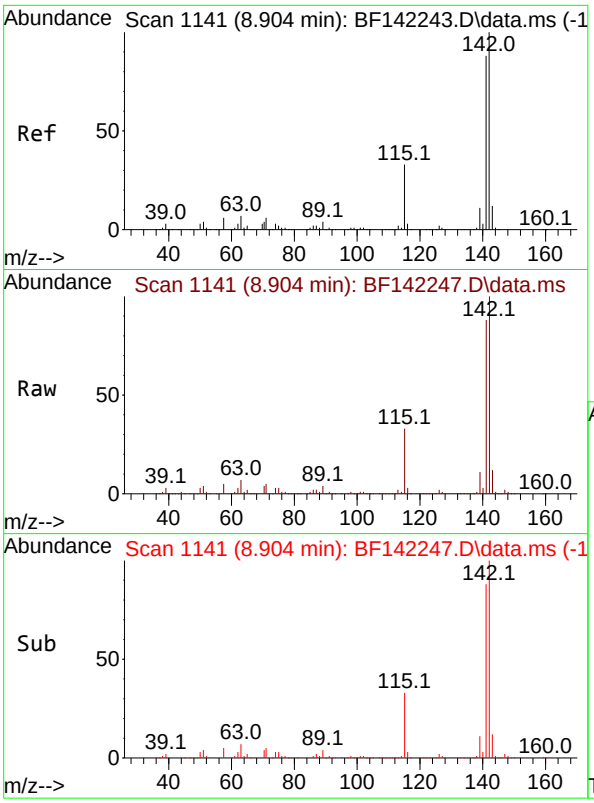


#36
4-Chloro-3-methylphenol
Concen: 43.485 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:107 Resp: 436215

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.0	31.4
142	82.5	66.1	99.1

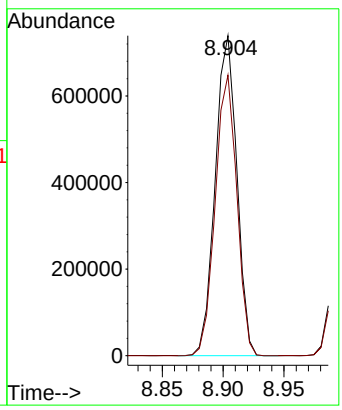




#37
2-Methylnaphthalene
Concen: 41.155 ng
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:142 Resp: 91547

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7



Instrument :
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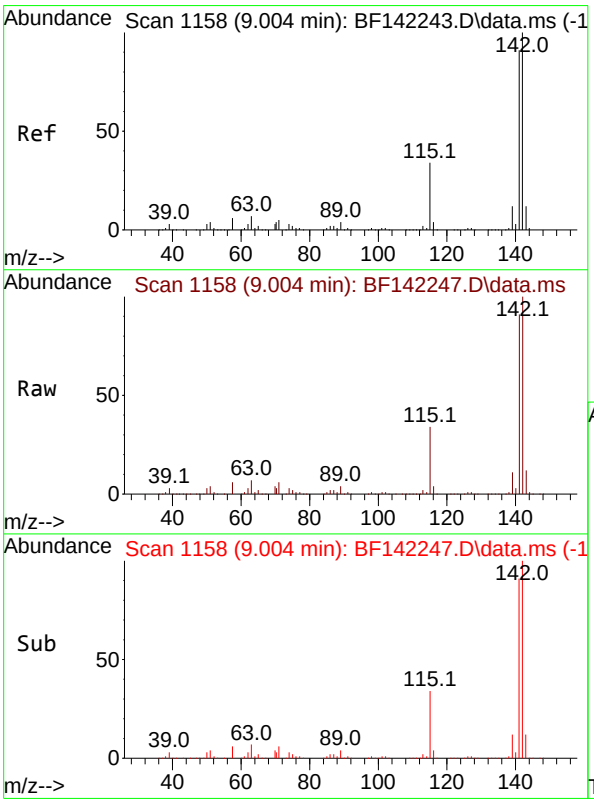
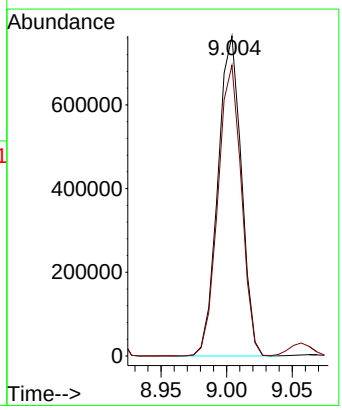
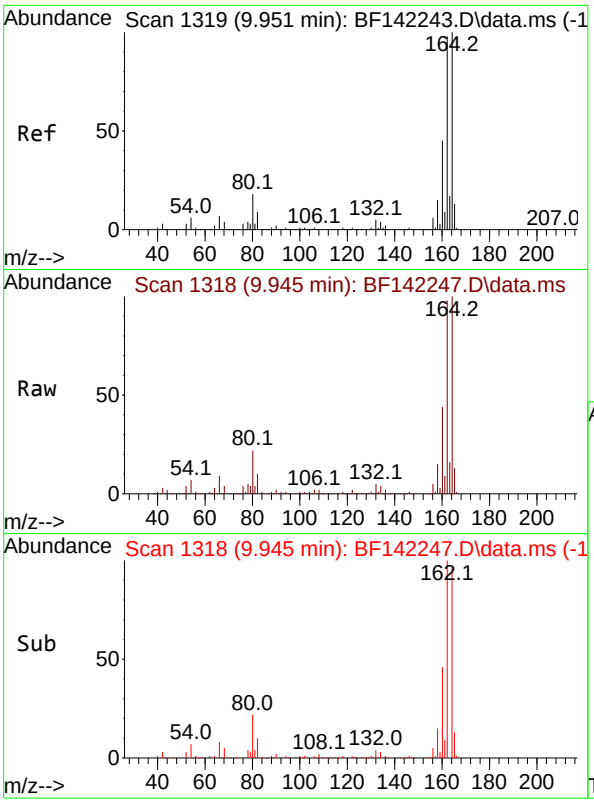


#38
1-Methylnaphthalene
Concen: 41.232 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:142 Resp: 950163

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.8	109.2

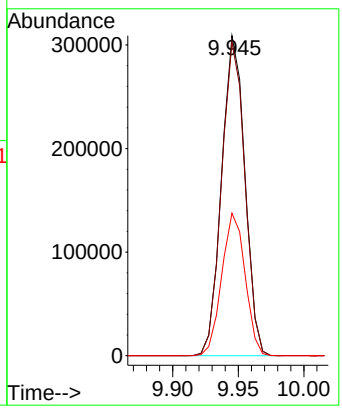




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:164 Resp: 38117

Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.6	117.8
160	44.5	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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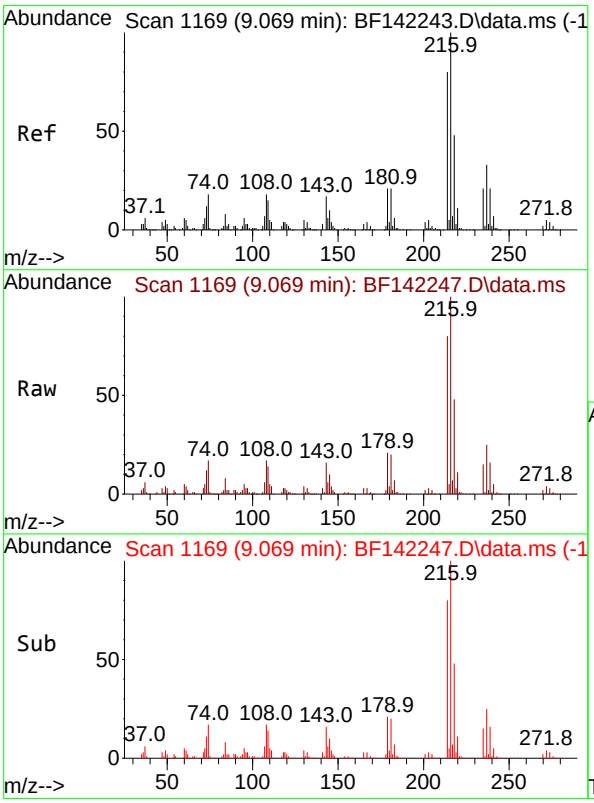
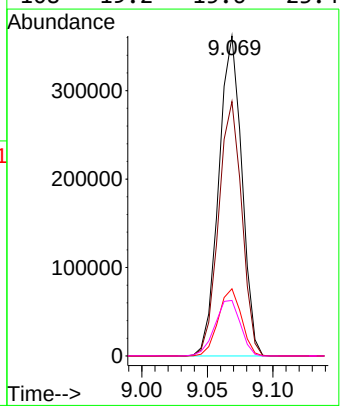
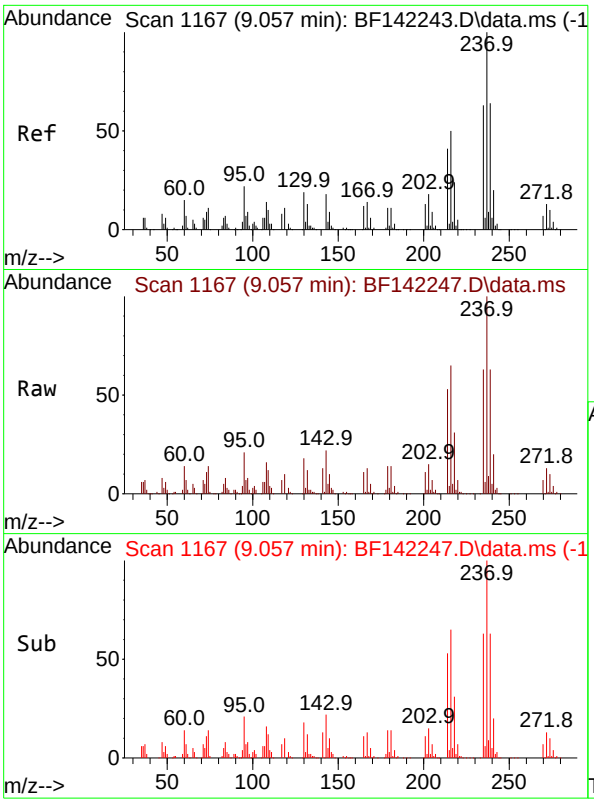


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.349 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:216 Resp: 443561

Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.8	95.6
179	21.0	16.7	25.1
108	19.2	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 47.321 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:237 Resp: 28810

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.5	83.5
272	13.2	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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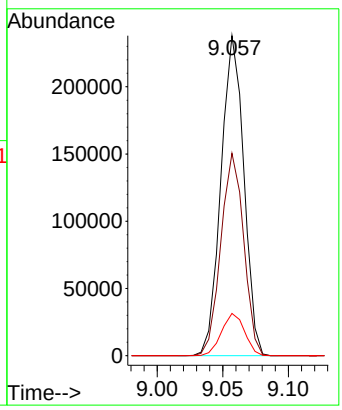
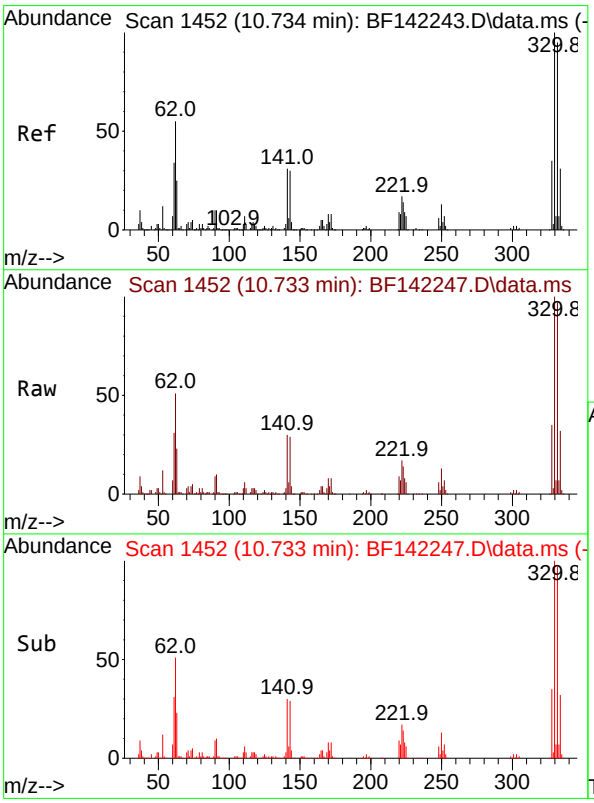
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

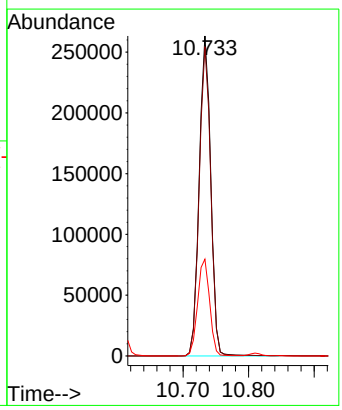


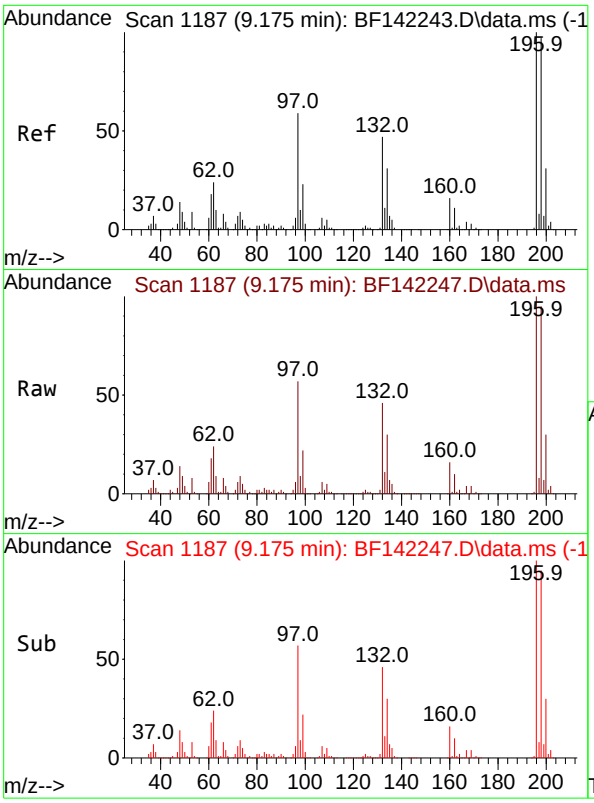


#42
2,4,6-Tribromophenol
Concen: 93.044 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:330 Resp: 323319

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.5	114.7
141	31.4	24.3	36.5

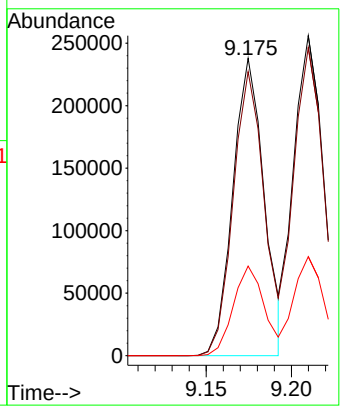




#43
2,4,6-Trichlorophenol
Concen: 45.713 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:196 Resp: 30387

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.4	116.2
200	30.1	24.6	37.0



Instrument :
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ClientSampleId :
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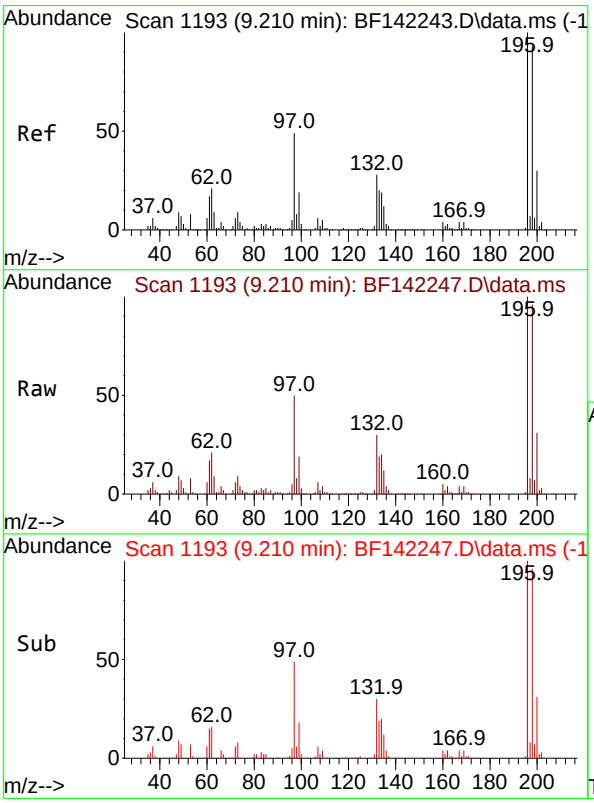
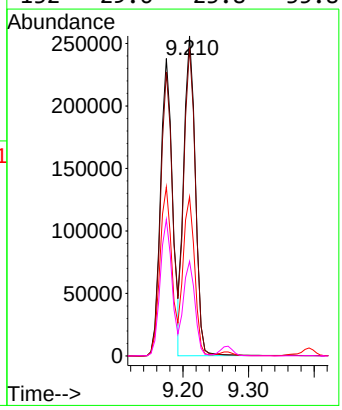
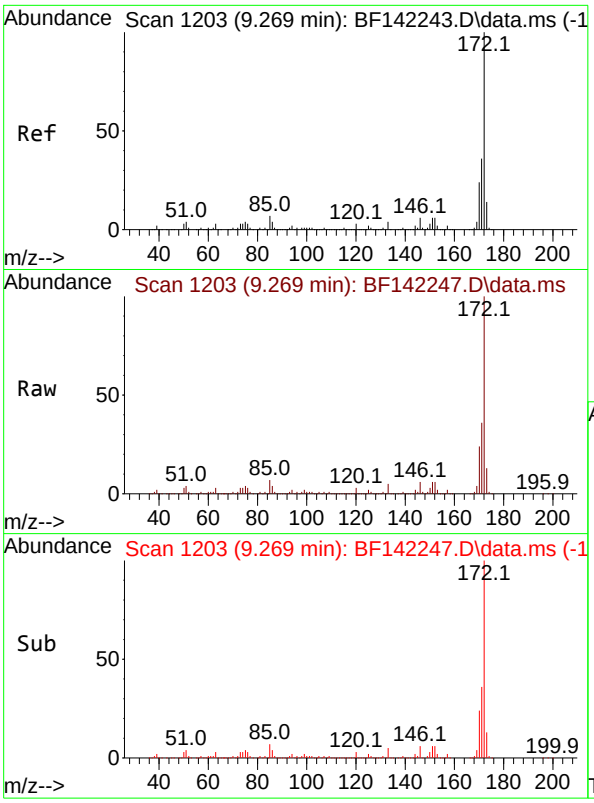


#44
2,4,5-Trichlorophenol
Concen: 44.676 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:196 Resp: 312237

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.2	112.8
97	49.7	39.8	59.8
132	29.6	23.8	35.8

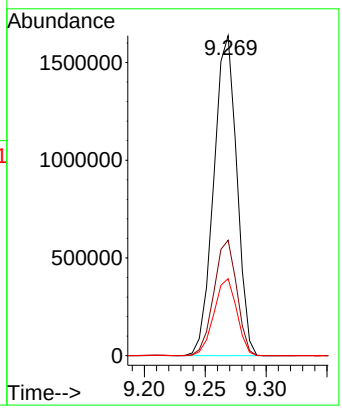




#45
2-Fluorobiphenyl
Concen: 79.807 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:172 Resp: 215749

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.0	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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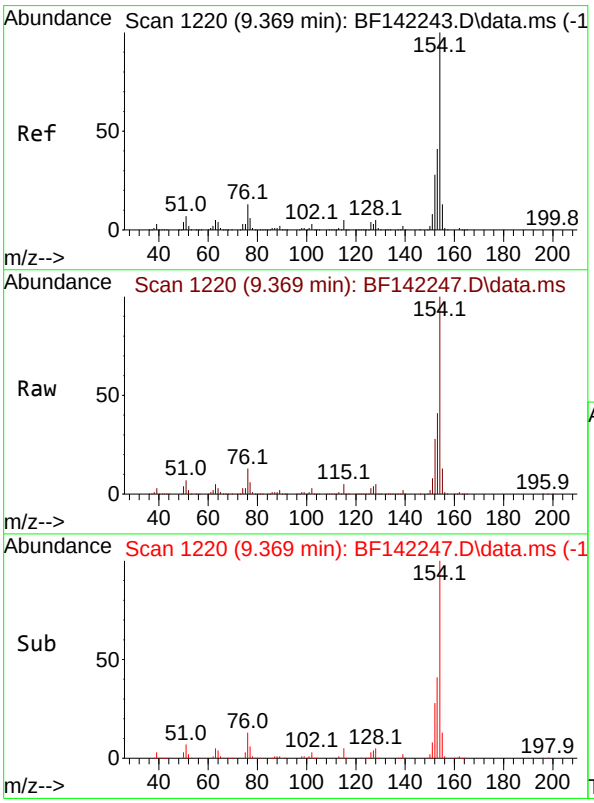
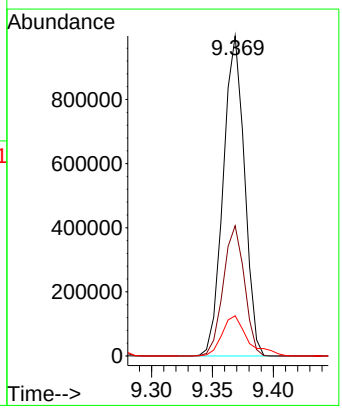
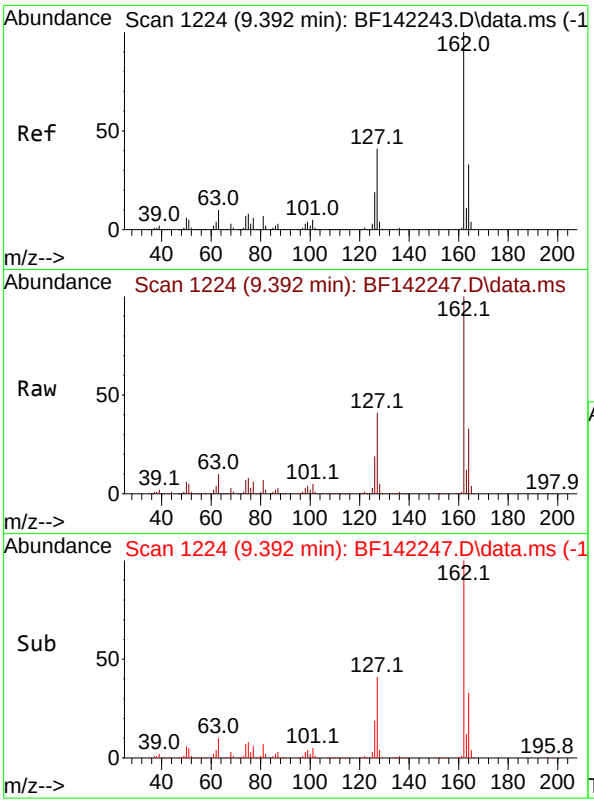


#46
1,1'-Biphenyl
Concen: 40.936 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:154 Resp: 1213047

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.5	60.5
76	12.6	0.0	32.8

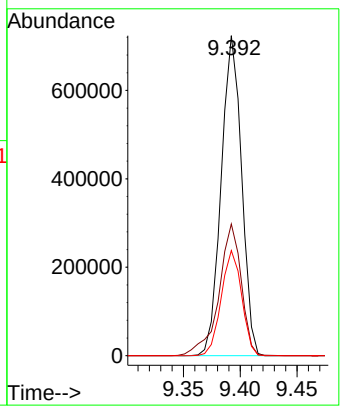




#47
2-Chloronaphthalene
Concen: 41.003 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:162 Resp: 90397

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.6	49.0
164	32.8	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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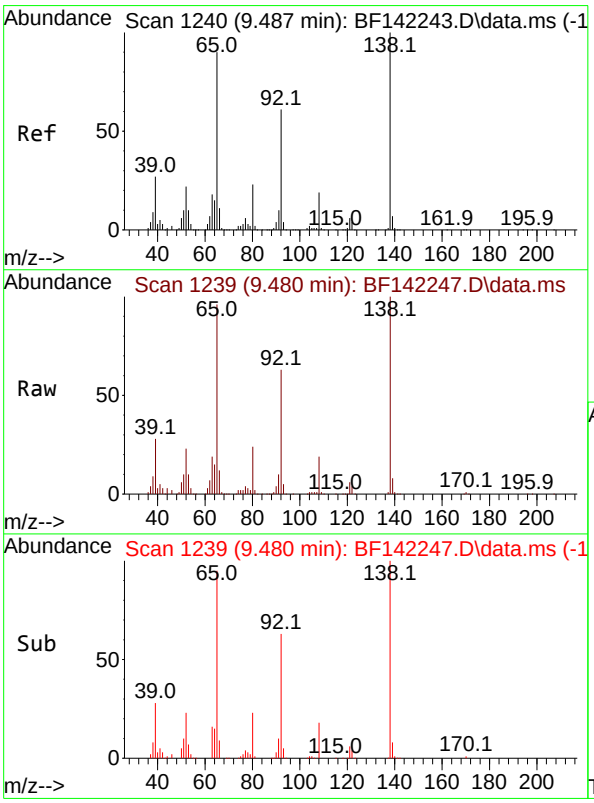
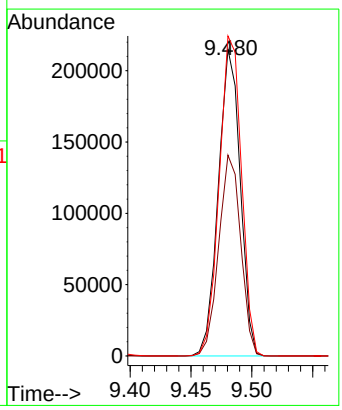
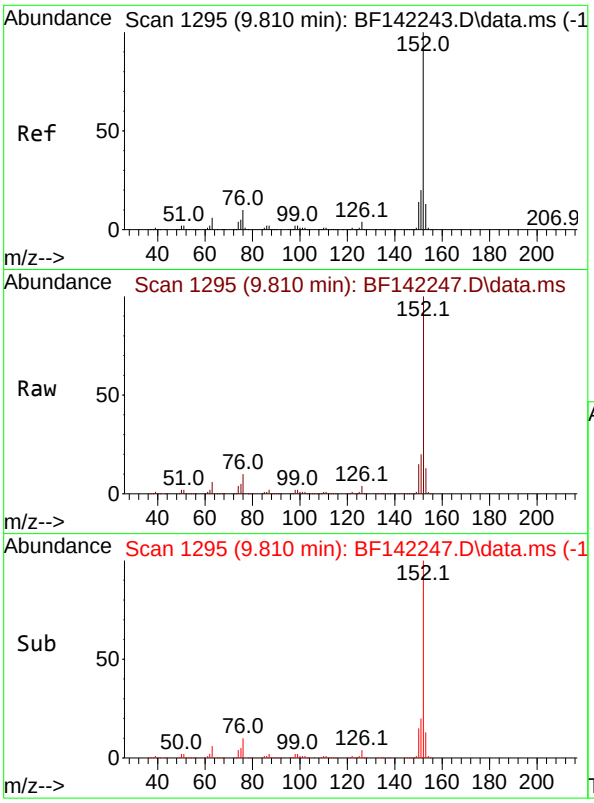


#48
2-Nitroaniline
Concen: 46.523 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 65 Resp: 269528

Ion	Ratio	Lower	Upper
65	100		
92	65.5	54.3	81.5
138	104.3	88.6	133.0

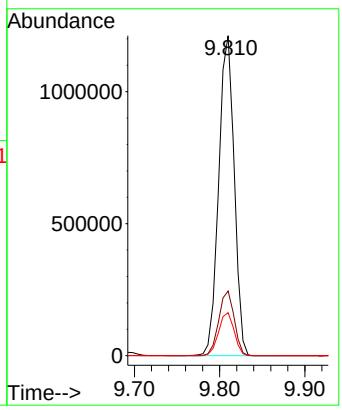




#49
Acenaphthylene
Concen: 41.211 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:152 Resp: 153316

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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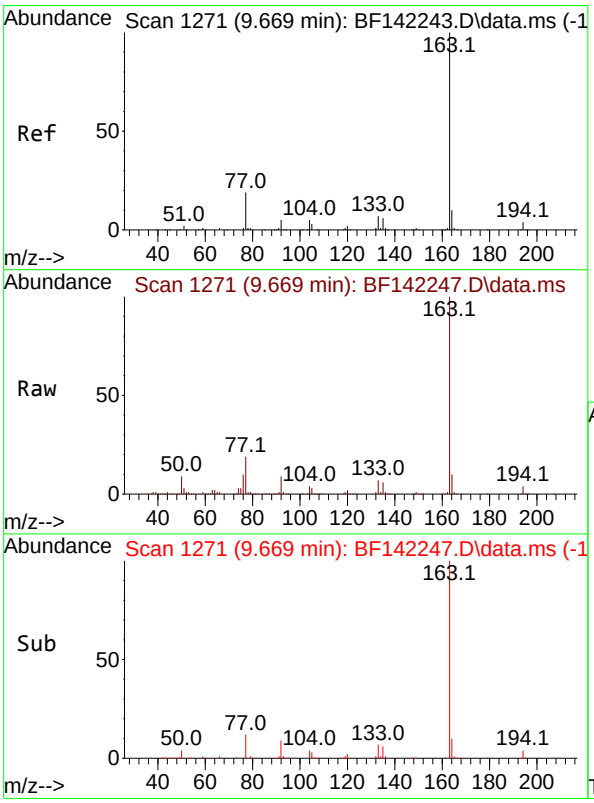
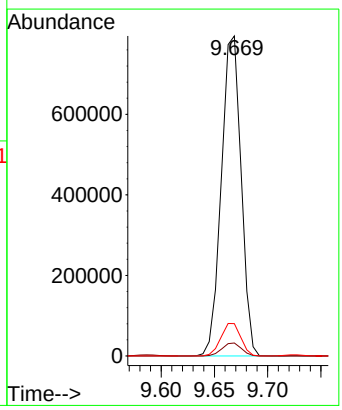
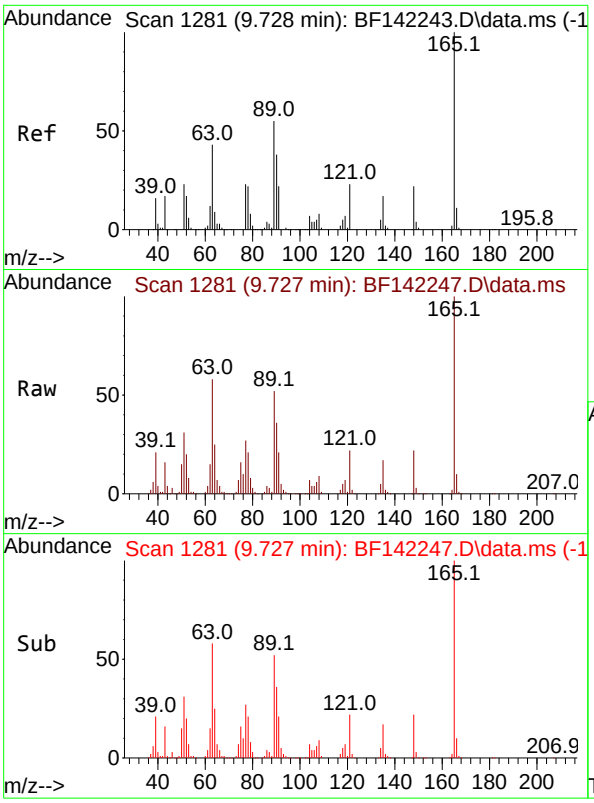


#50
Dimethylphthalate
Concen: 42.054 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:163 Resp: 1025498

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.376 ng
RT: 9.727 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:165 Resp: 21110

Ion	Ratio	Lower	Upper
165	100		
63	58.0	48.5	72.7
89	52.2	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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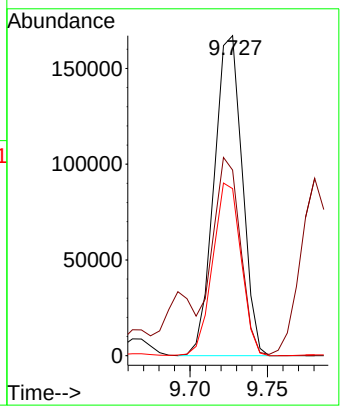
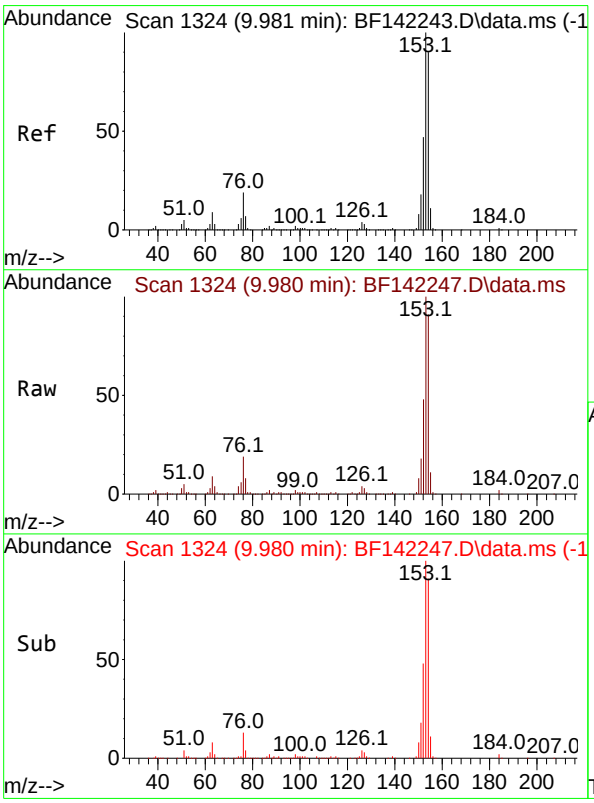
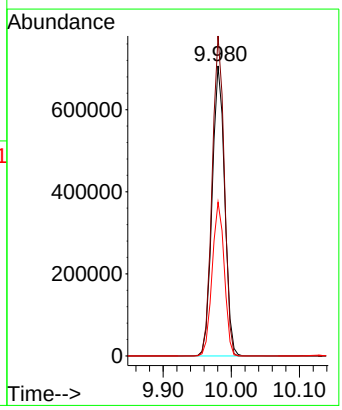


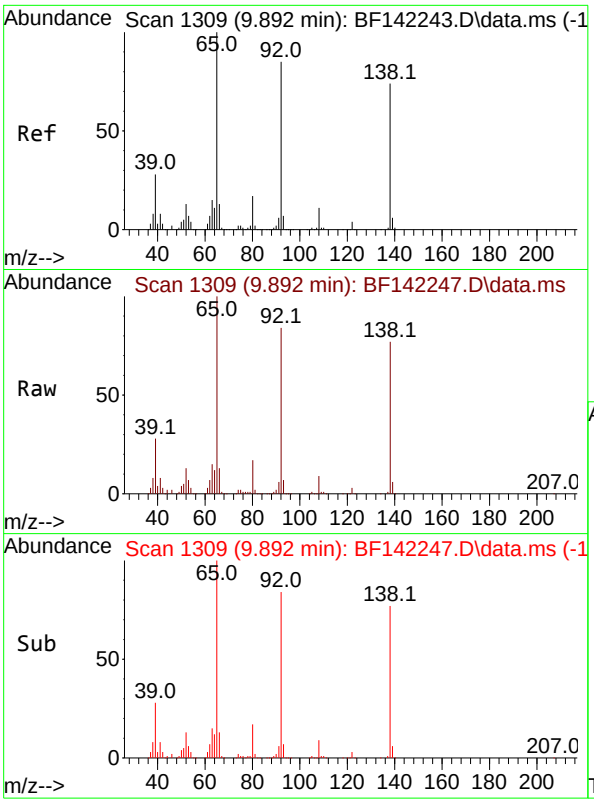


#52
Acenaphthene
Concen: 41.631 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:154 Resp: 904325

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.6	133.0
152	53.0	42.1	63.1

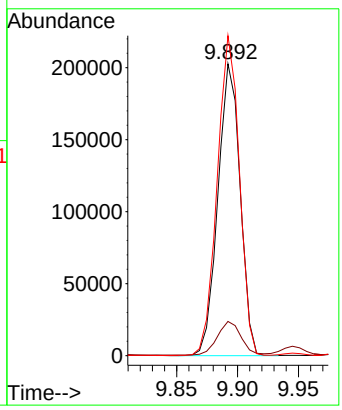




#53
3-Nitroaniline
Concen: 45.509 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:138 Resp: 25792

Ion	Ratio	Lower	Upper
138	100		
108	11.7	11.7	17.5
92	109.7	91.2	136.8



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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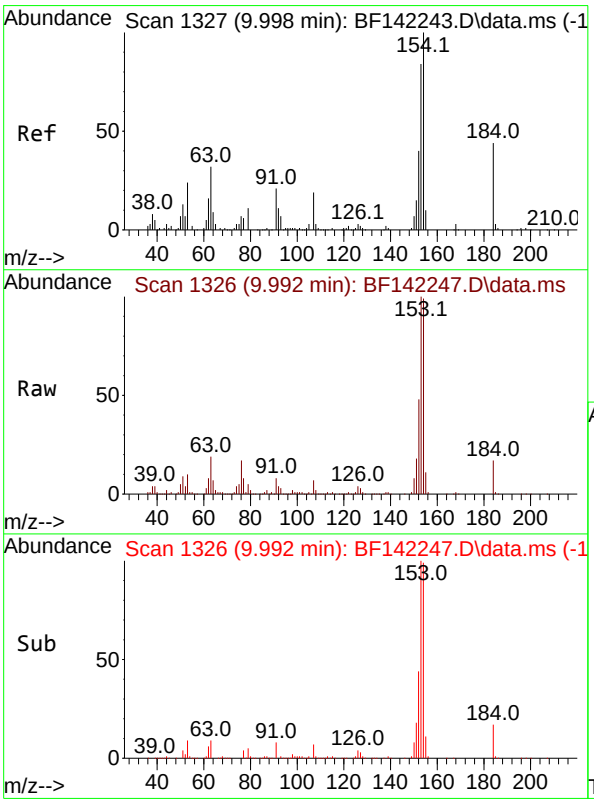
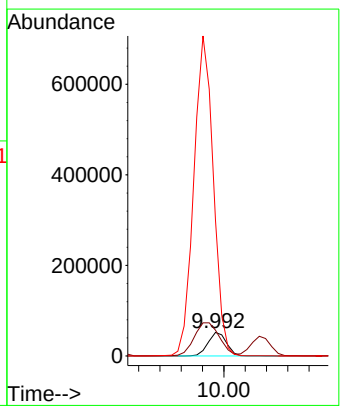
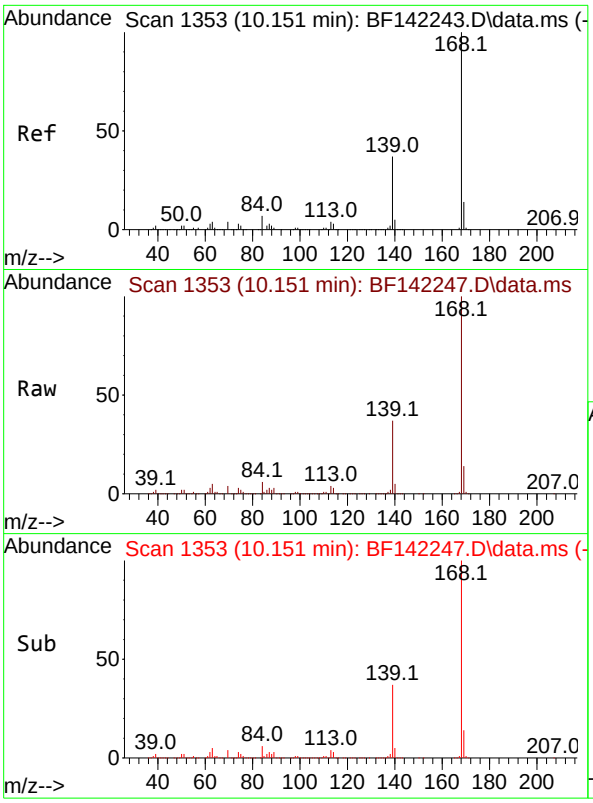


#54
2,4-Dinitrophenol
Concen: 49.090 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:184 Resp: 62568

Ion	Ratio	Lower	Upper
184	100		
63	109.3	69.2	103.8#
154	577.6	271.4	407.2#

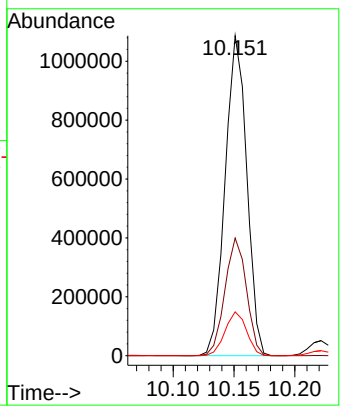




#55
Dibenzofuran
Concen: 41.181 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:168 Resp: 134093

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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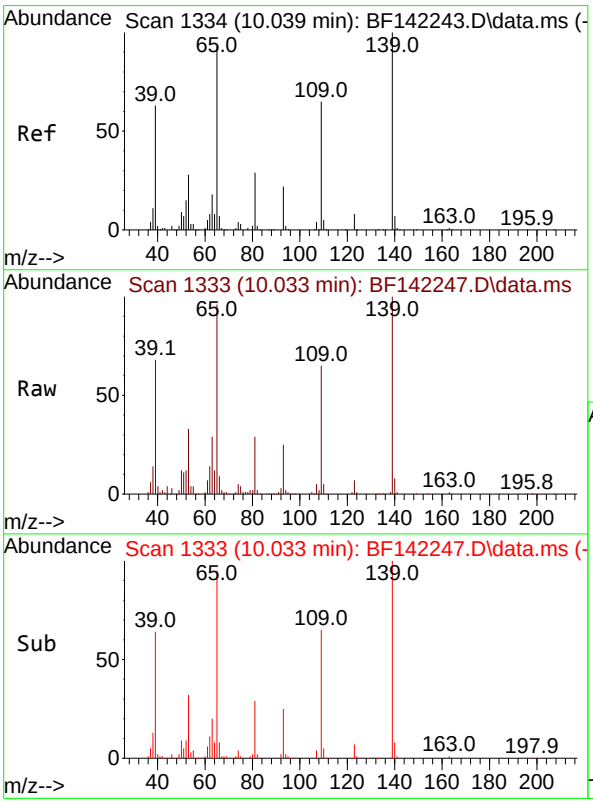
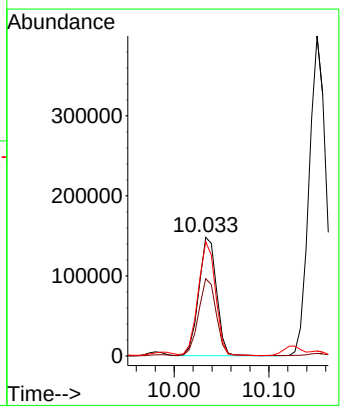
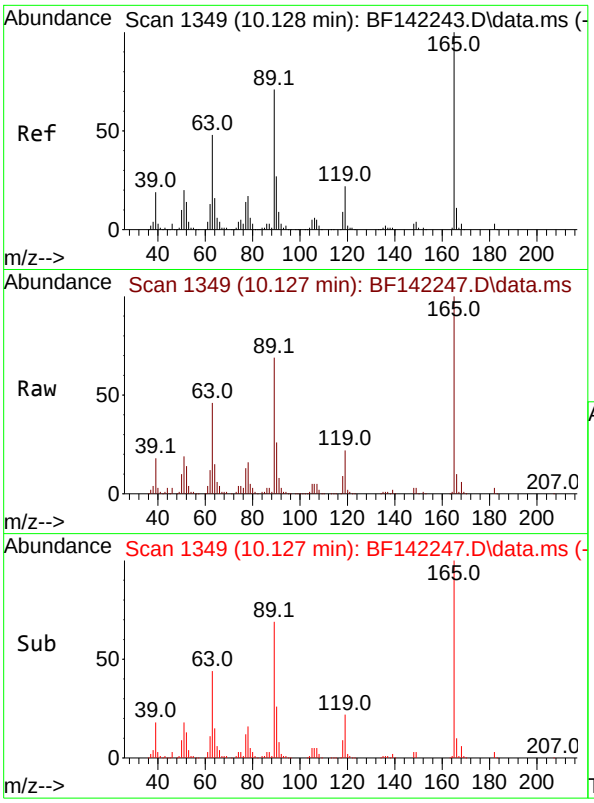


#56
4-Nitrophenol
Concen: 49.952 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:139 Resp: 191463

Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.9	84.9
65	96.4	74.7	114.7

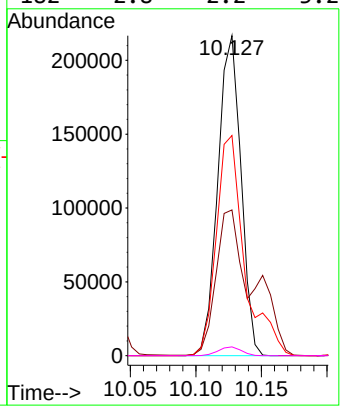




#57
2,4-Dinitrotoluene
Concen: 46.994 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:165 Resp: 26541

Ion	Ratio	Lower	Upper
165	100		
63	45.6	38.8	58.2
89	68.8	57.1	85.7
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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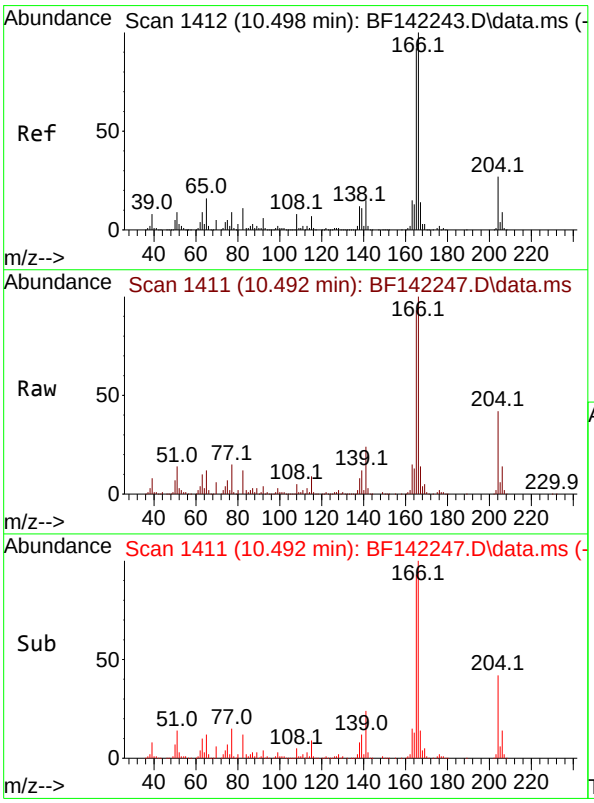
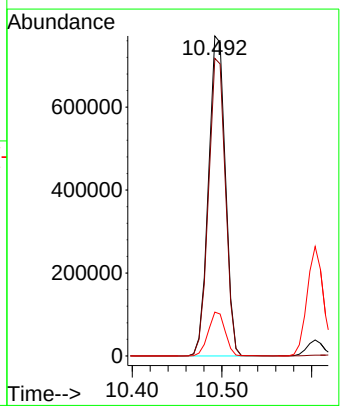
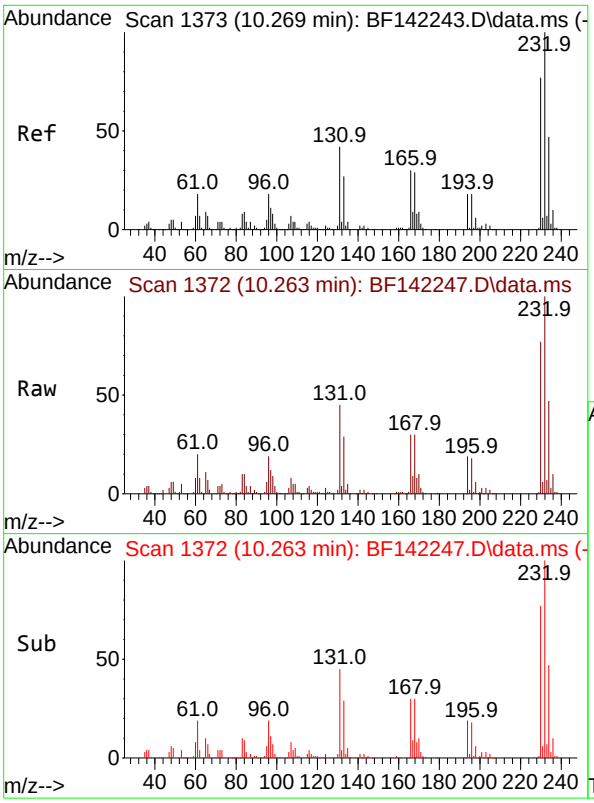


#58
Fluorene
Concen: 40.714 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:166 Resp: 1008032

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.7	10.8	16.2

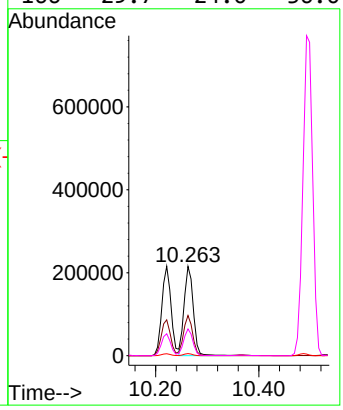




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.724 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:232 Resp: 26470

Ion	Ratio	Lower	Upper
232	100		
131	44.8	35.9	53.9
130	2.3	1.8	2.6
166	29.7	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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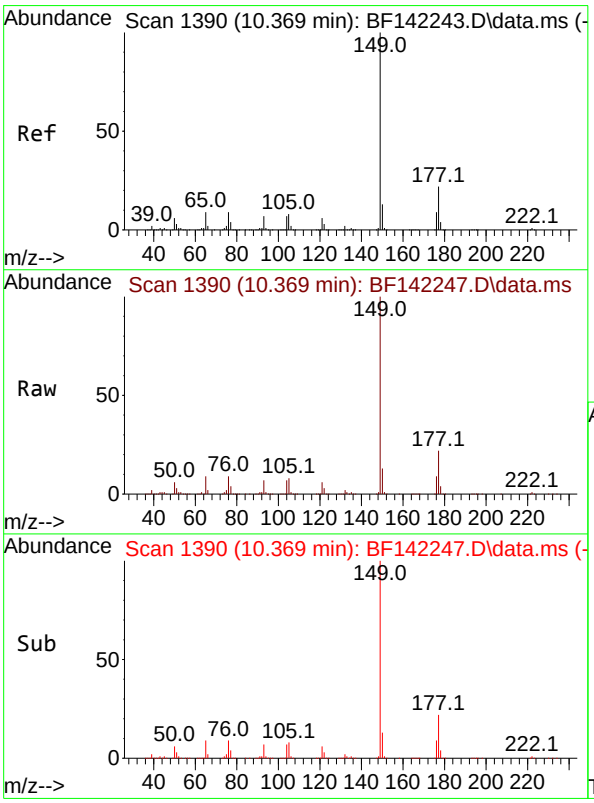
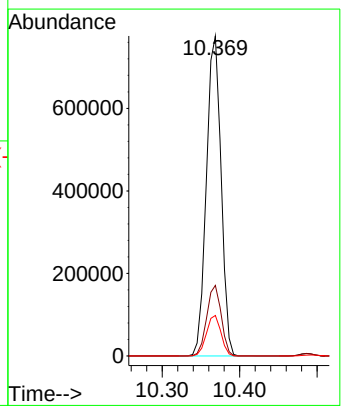
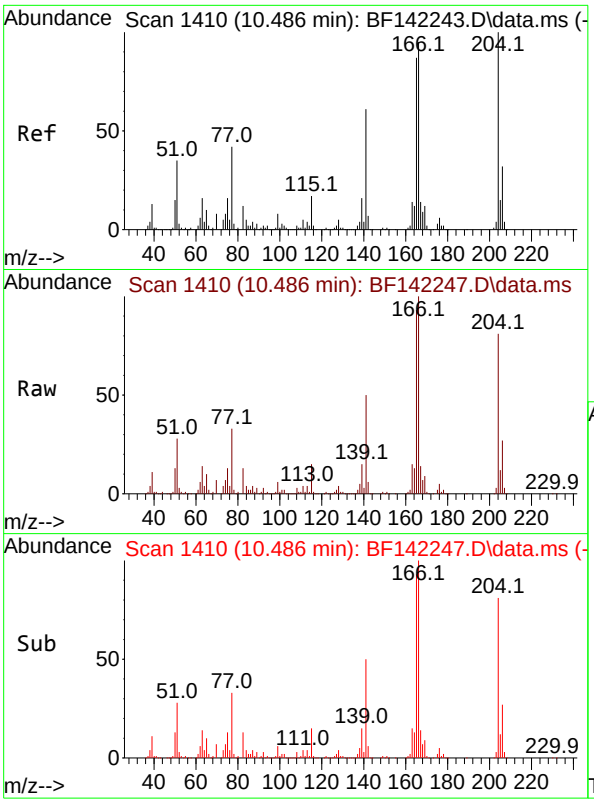


#60
Diethylphthalate
Concen: 42.222 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 1016722

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.6	26.4
150	12.7	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.626 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Tgt Ion:204 Resp: 47768

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	61.2	48.9	73.3

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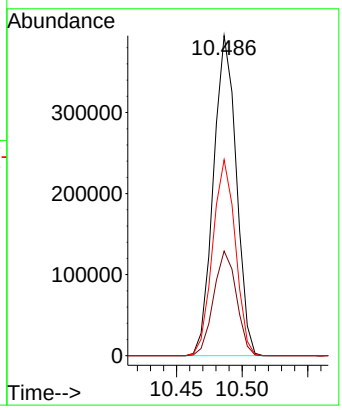
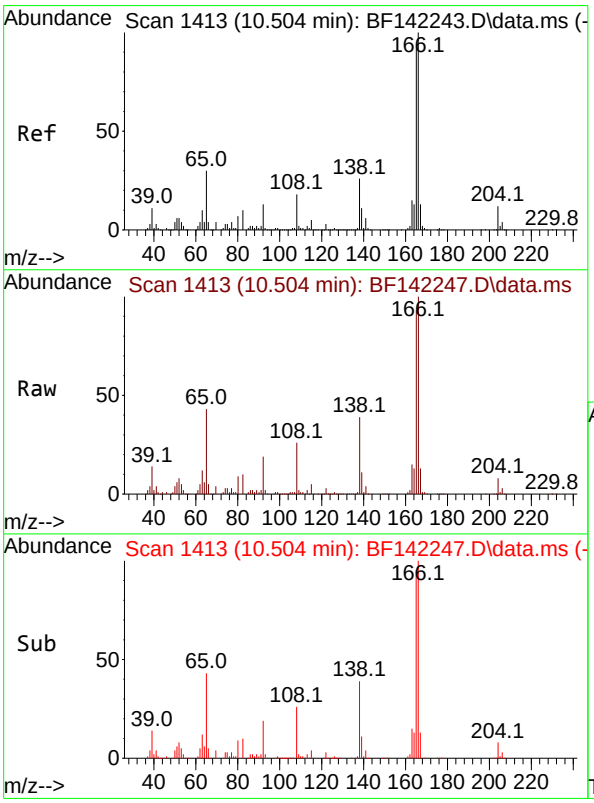
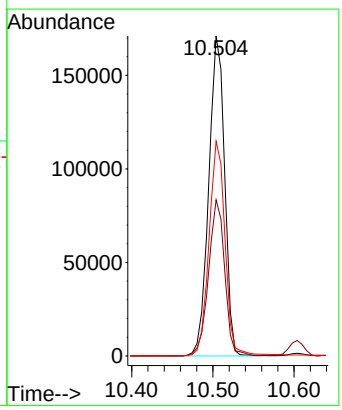


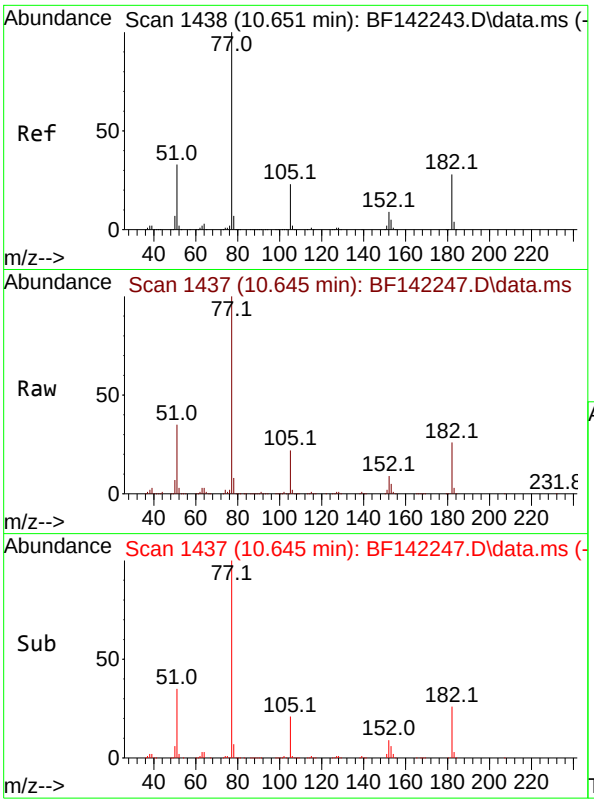


#62
4-Nitroaniline
Concen: 45.070 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:138 Resp: 232165

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.2	69.2
108	67.1	49.1	89.1

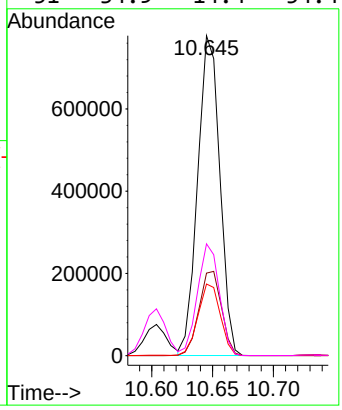




#63
Azobenzene
Concen: 41.400 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion: 77 Resp: 98444

Ion	Ratio	Lower	Upper
77	100		
182	25.8	7.3	47.3
105	22.4	2.5	42.5
51	34.9	14.4	54.4



Instrument :
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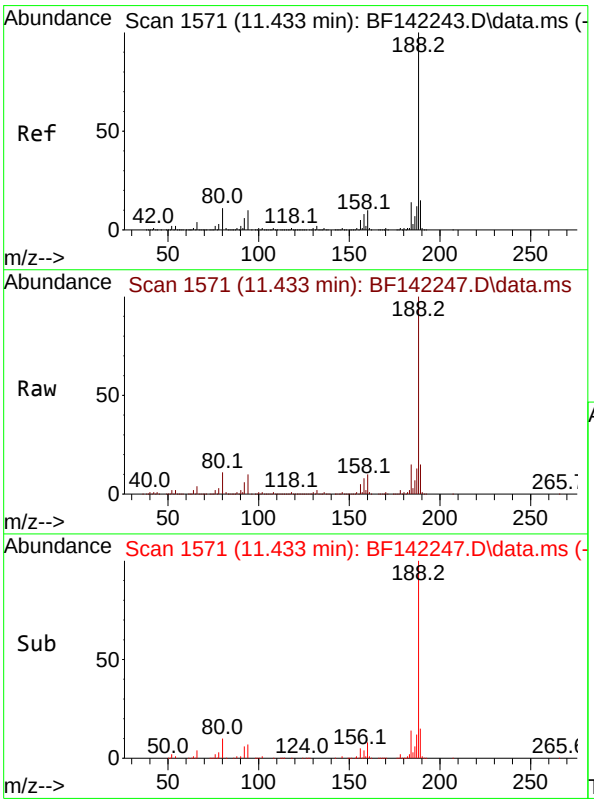
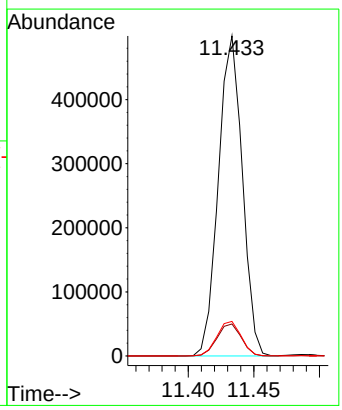
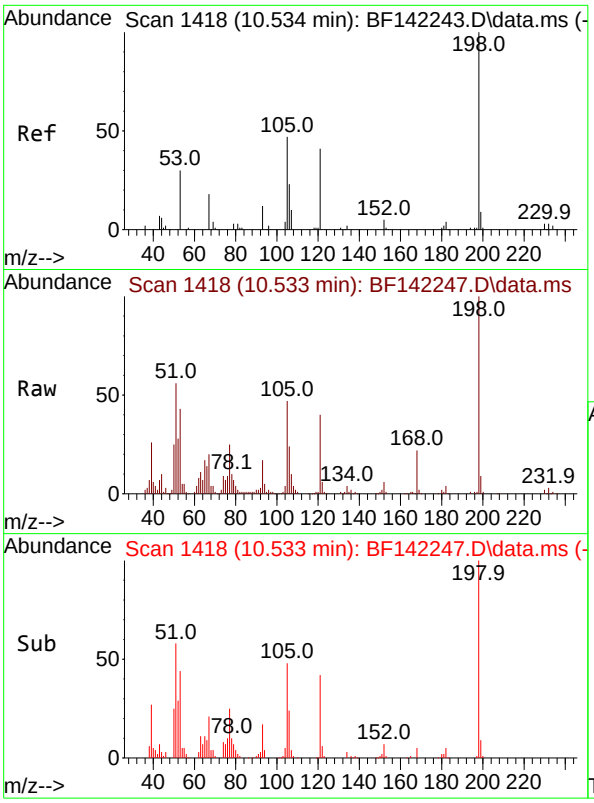


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:188 Resp: 633040

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.8	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 46.598 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.001 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:198 Resp: 9634

Ion	Ratio	Lower	Upper
198	100		
51	56.1	40.6	80.6
105	46.7	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
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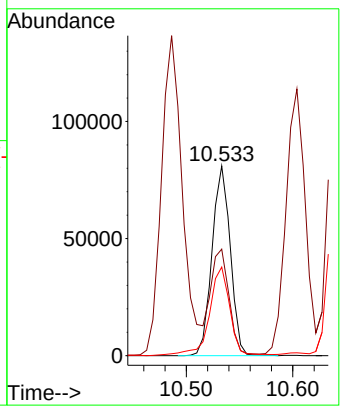
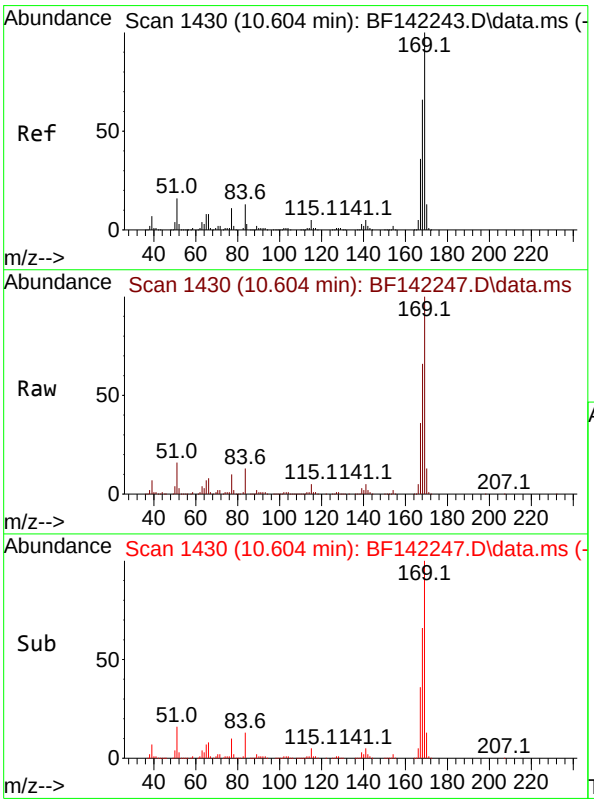
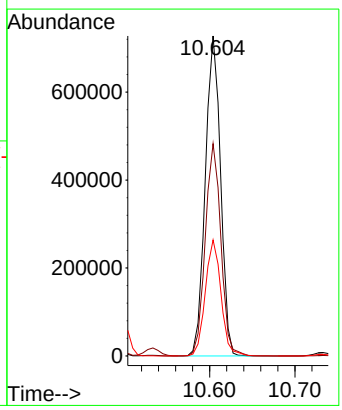


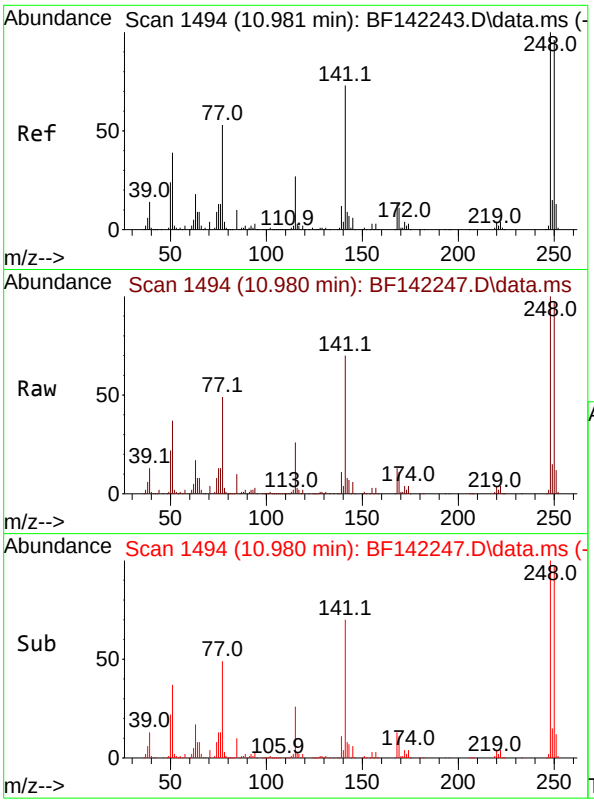


#66
n-Nitrosodiphenylamine
Concen: 41.816 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:169 Resp: 904466

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	36.3	28.8	43.2

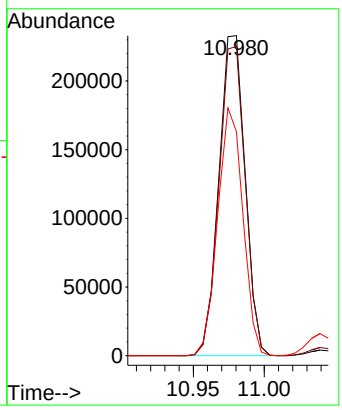




#67
4-Bromophenyl-phenylether
Concen: 42.497 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:248 Resp: 29960

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.2	115.8
141	70.0	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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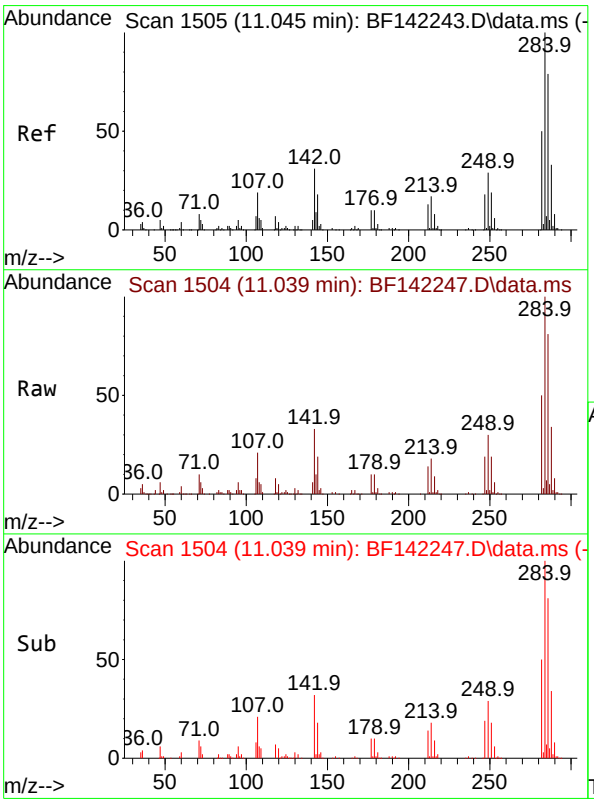
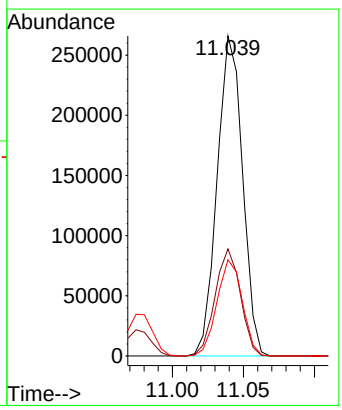
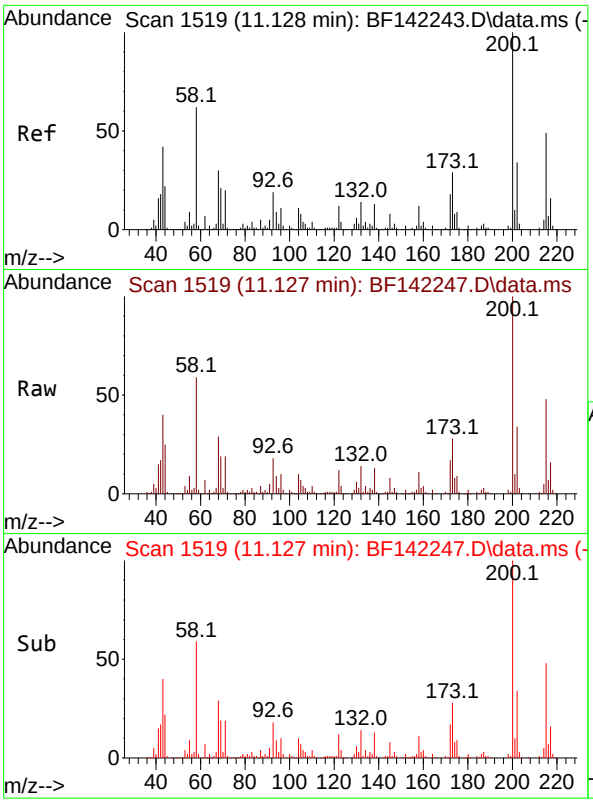


#68
Hexachlorobenzene
Concen: 41.800 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:284 Resp: 330048

Ion	Ratio	Lower	Upper
284	100		
142	33.5	24.6	37.0
249	30.1	23.2	34.8

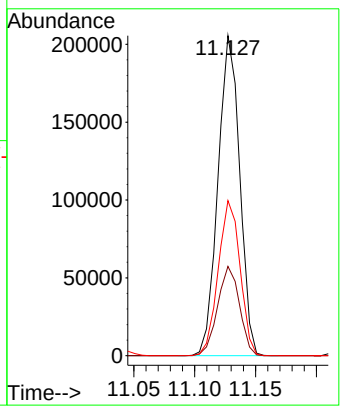




#69
Atrazine
Concen: 44.732 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:200 Resp: 25503

Ion	Ratio	Lower	Upper
200	100		
173	27.9	8.6	48.6
215	48.4	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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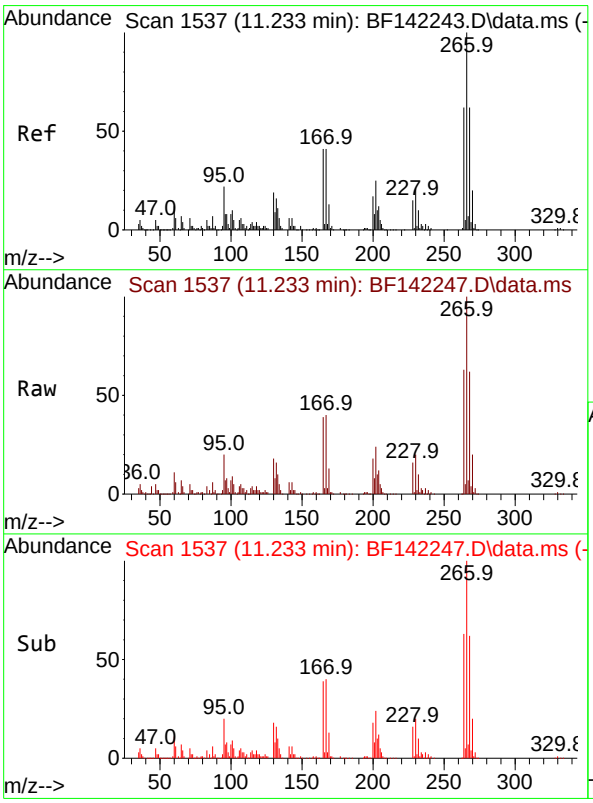
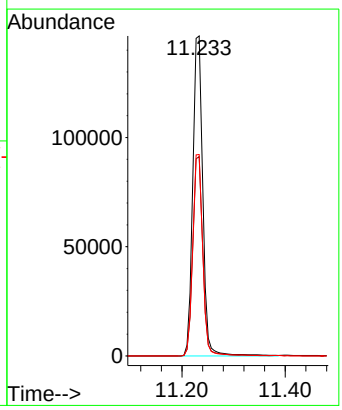
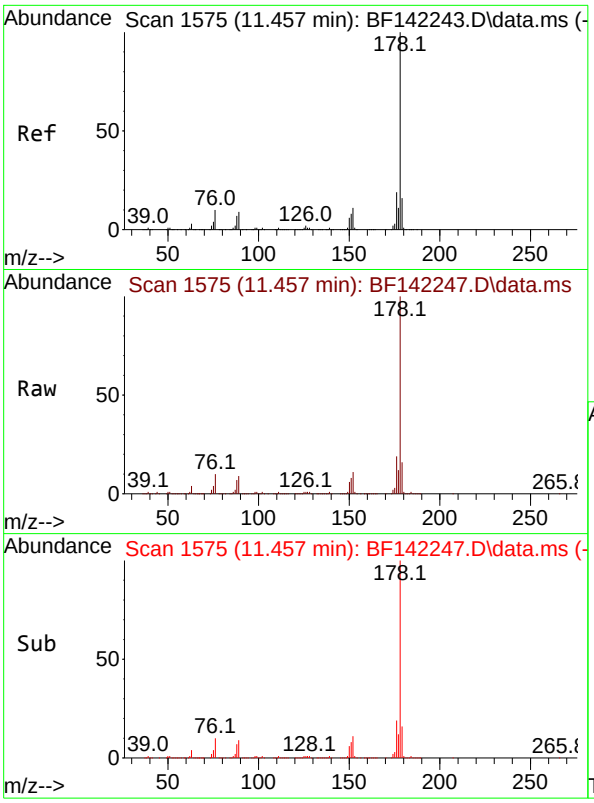


#70
Pentachlorophenol
Concen: 47.342 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:266 Resp: 197476

Ion	Ratio	Lower	Upper
266	100		
268	62.3	50.0	75.0
264	62.9	49.3	73.9

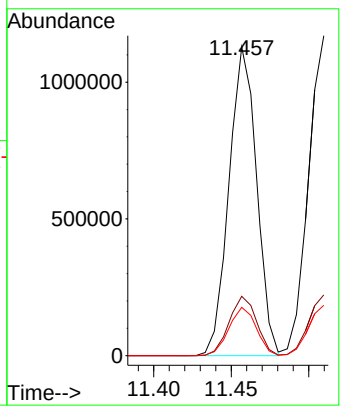




#71
Phenanthrene
Concen: 40.955 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:178 Resp: 140043

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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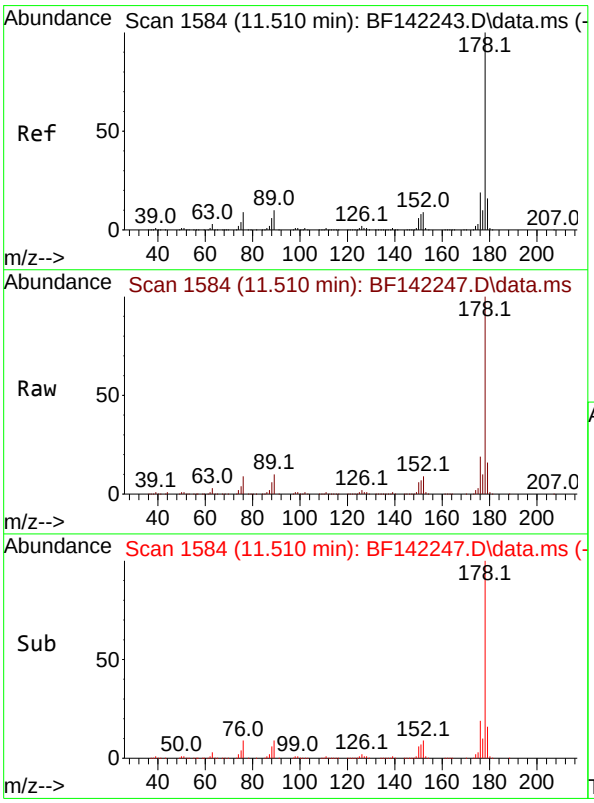
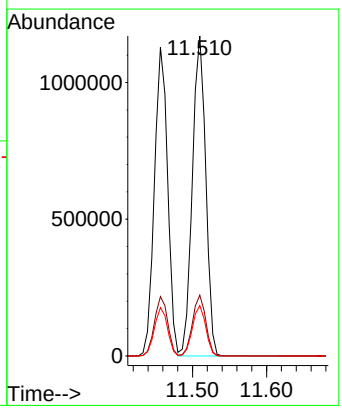
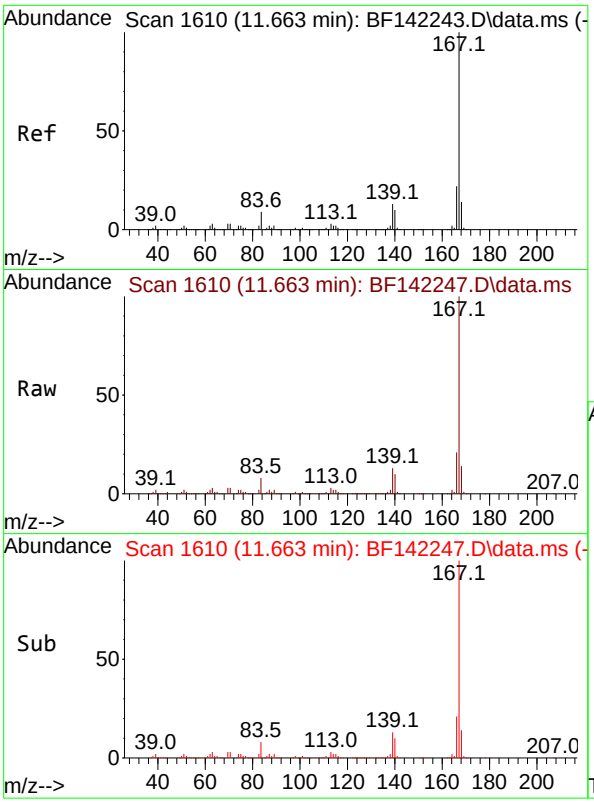


#72
Anthracene
Concen: 41.854 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:178 Resp: 1463247

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.7	19.1

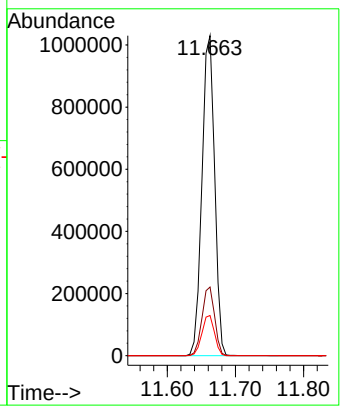




#73
Carbazole
Concen: 41.793 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:167 Resp: 133285

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	12.5	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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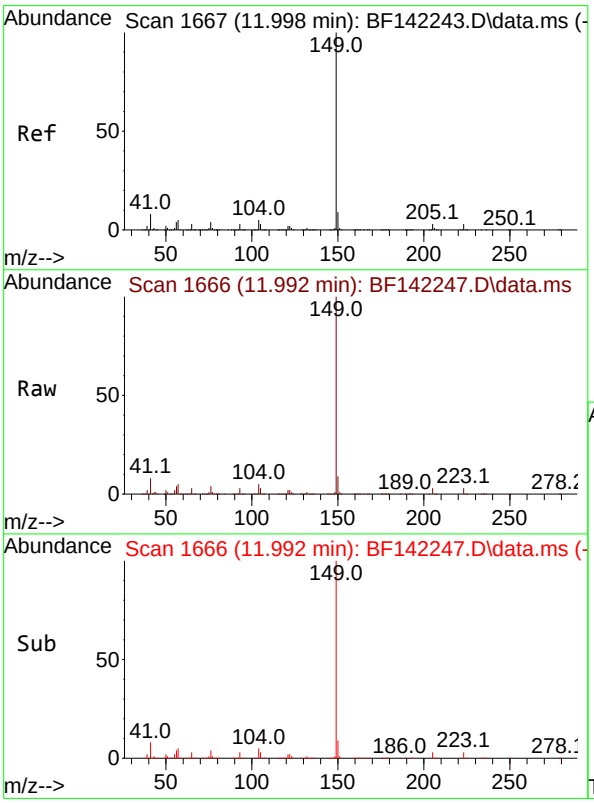
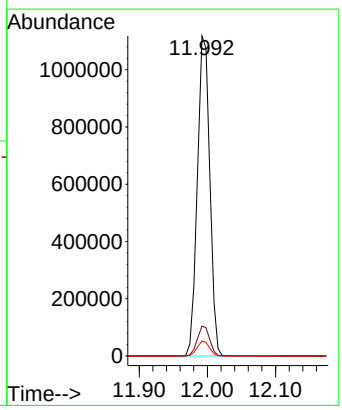
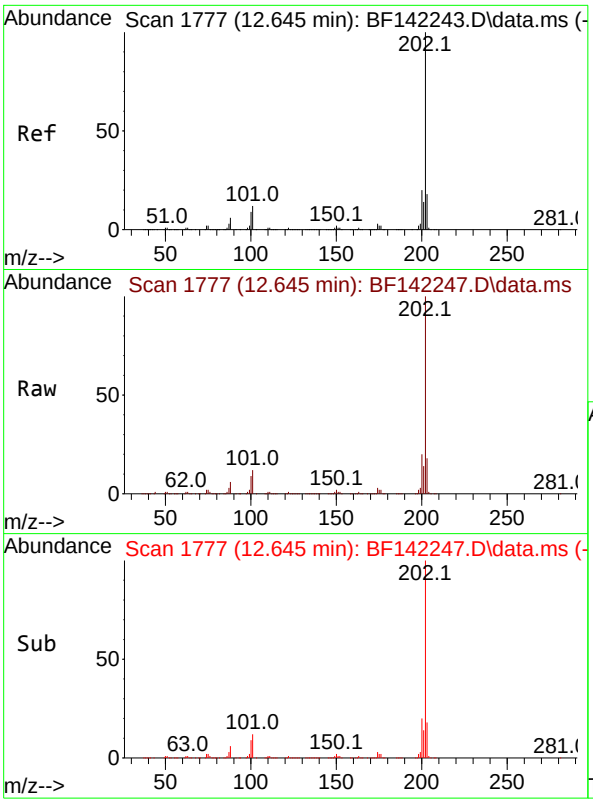


#74
Di-n-butylphthalate
Concen: 44.051 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 1412919

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4

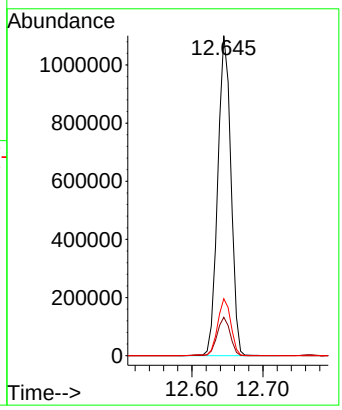




#75
Fluoranthene
Concen: 41.690 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:202 Resp: 140918

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.4
203	17.8	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
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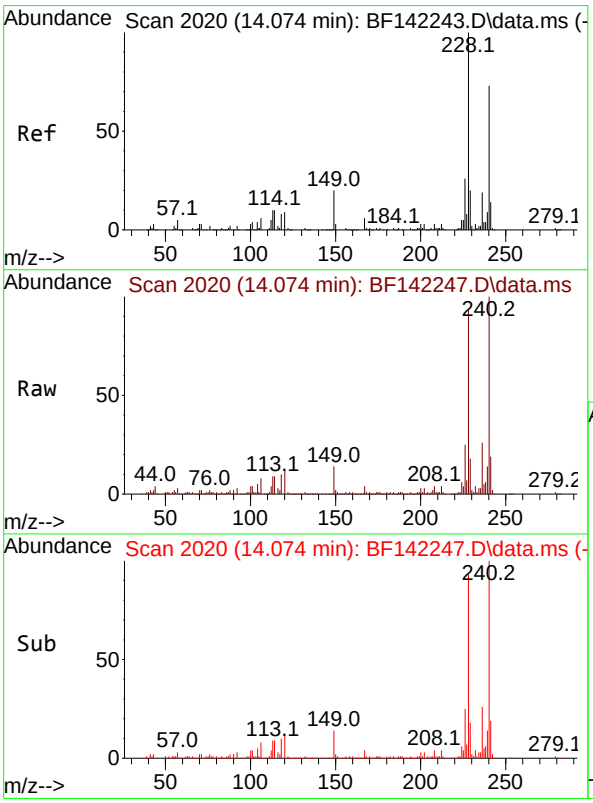
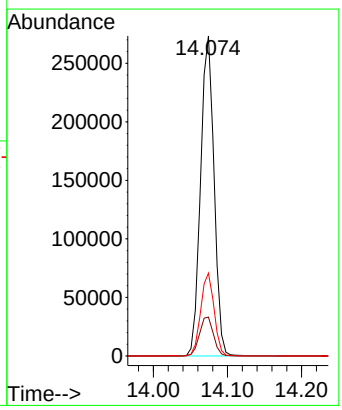
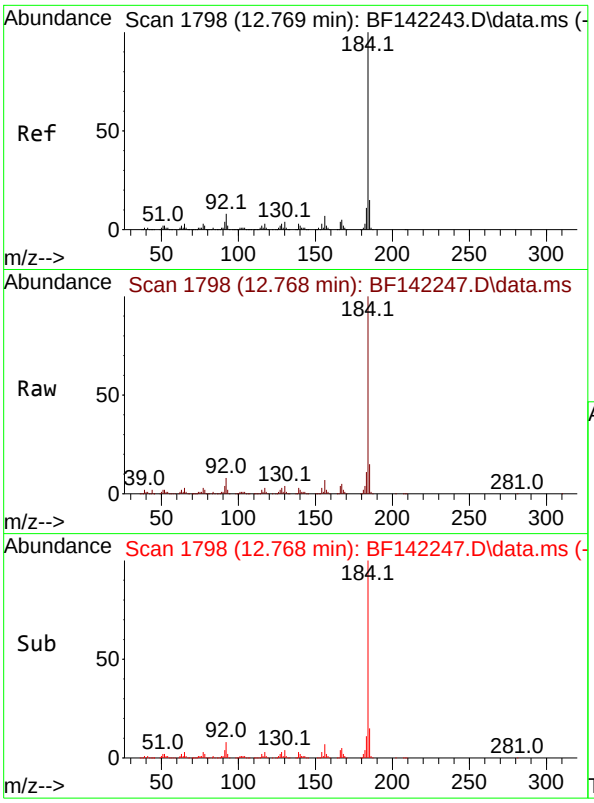


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:240 Resp: 345729

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.1	15.1
236	25.9	20.5	30.7

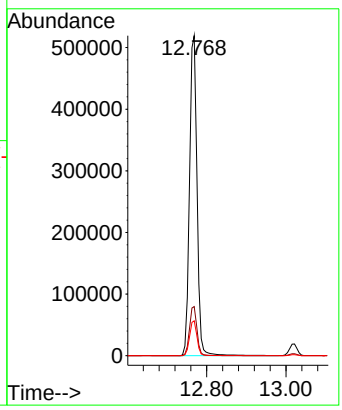




#77
Benzidine
Concen: 46.435 ng
RT: 12.768 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:184 Resp: 68215

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.8	17.6
183	10.9	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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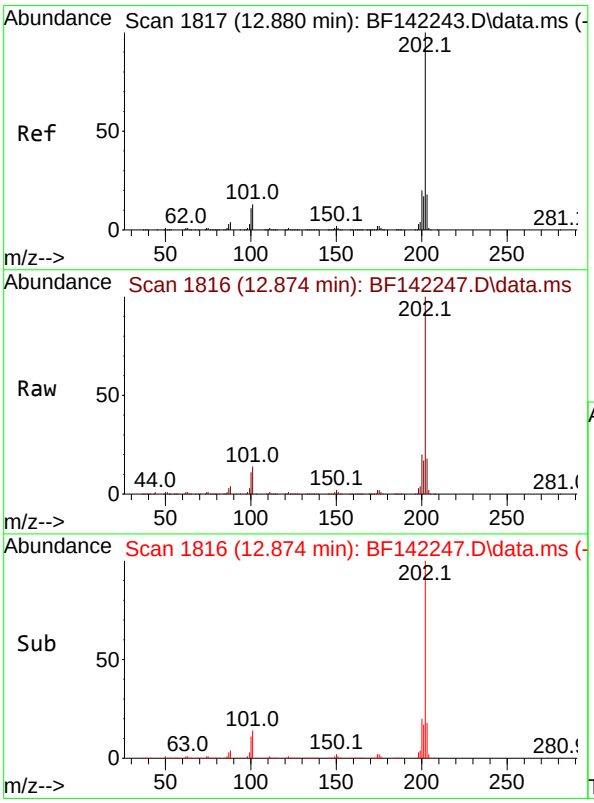
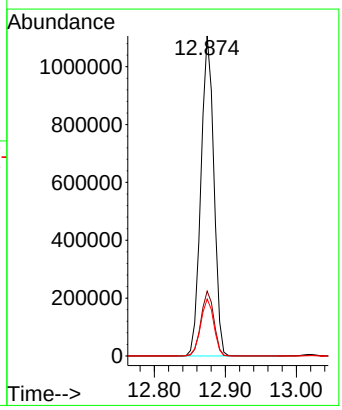
Supervised By :Jagrut Upadhyay 05/01/2025

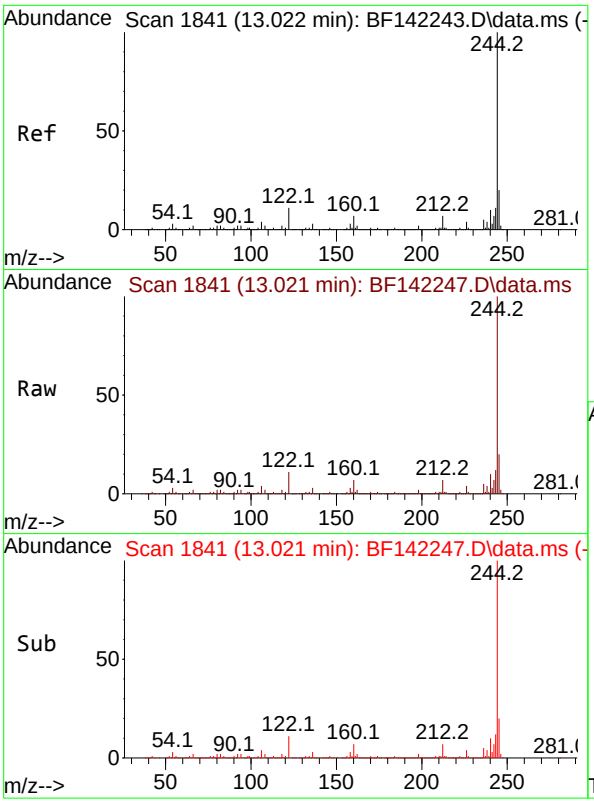


#78
Pyrene
Concen: 44.082 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:202 Resp: 1405875

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.8	14.1	21.1

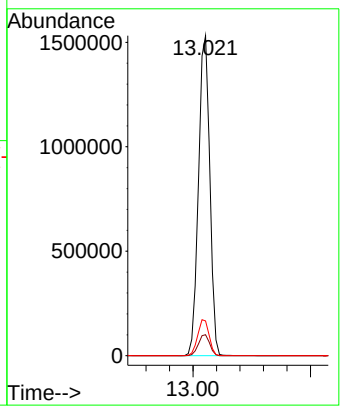




#79
Terphenyl-d14
Concen: 85.716 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:244 Resp: 203756

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.9	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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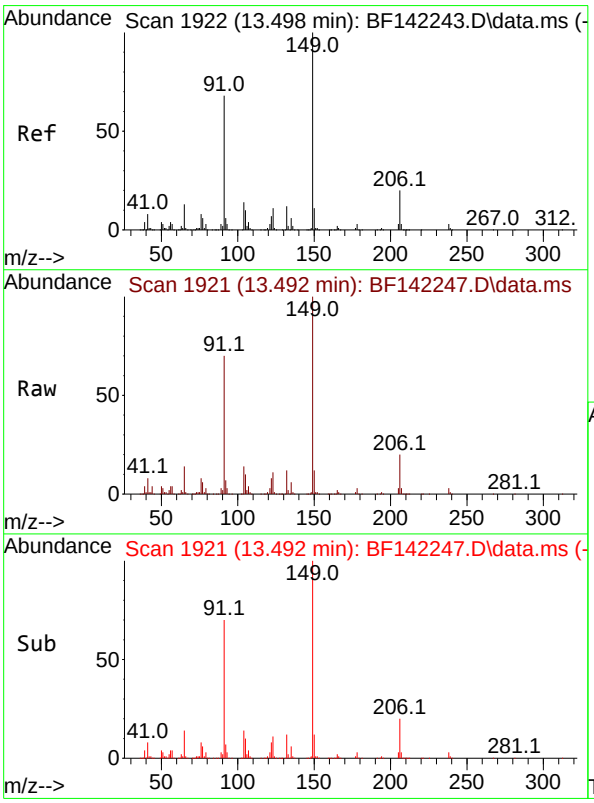
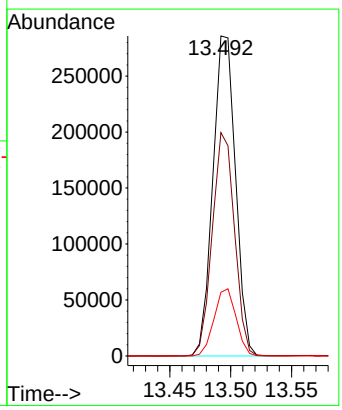
Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025

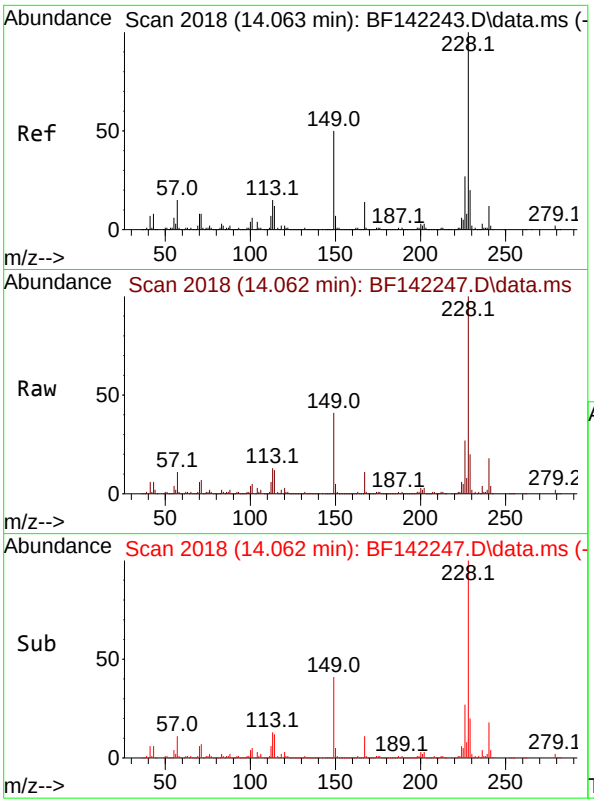


#80
Butylbenzylphthalate
Concen: 42.984 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 371146

Ion	Ratio	Lower	Upper
149	100		
91	69.8	54.4	81.6
206	19.9	15.9	23.9

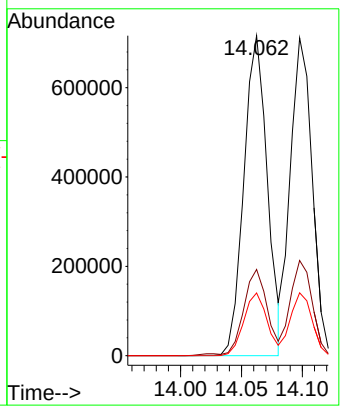




#81
Benzo(a)anthracene
Concen: 41.383 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:228 Resp: 96048

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	19.6	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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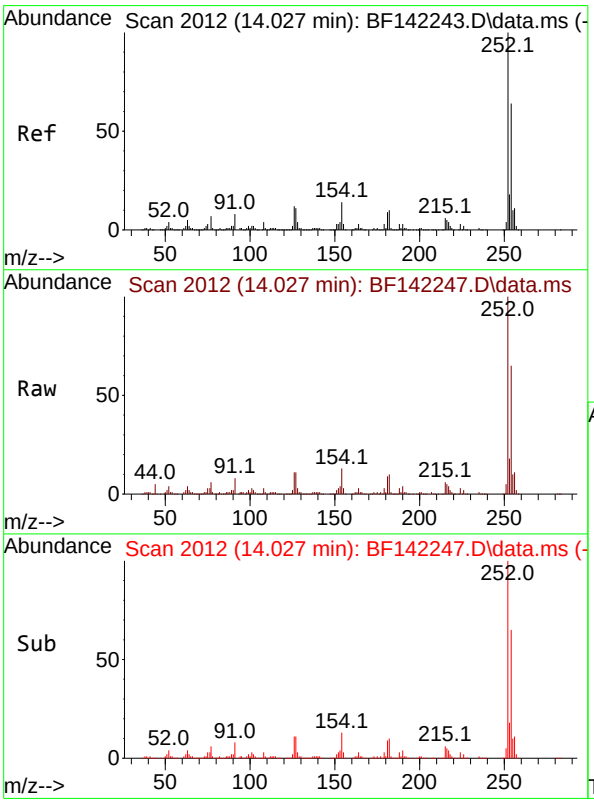
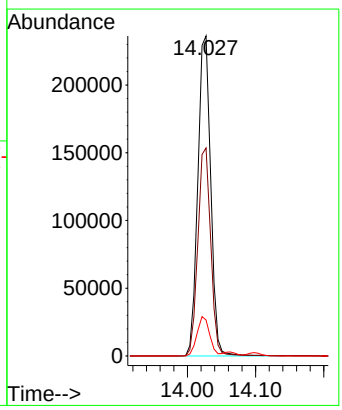
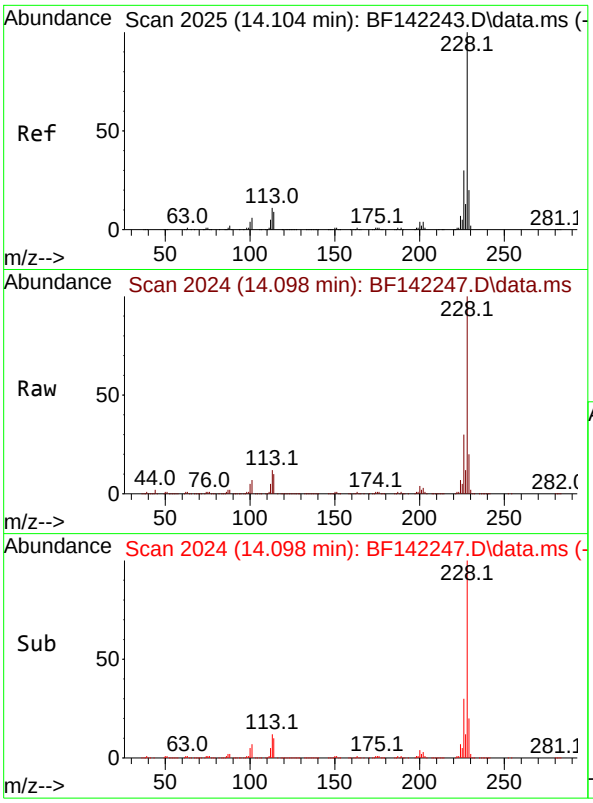


#82
3,3'-Dichlorobenzidine
Concen: 45.495 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 310153

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	11.3	9.4	14.2

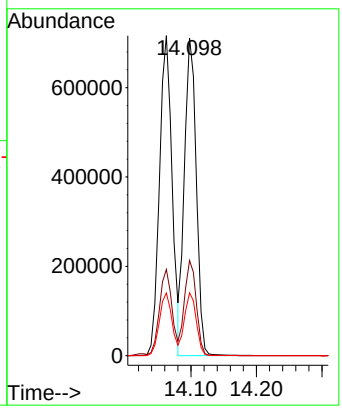




#83
Chrysene
Concen: 42.158 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:228 Resp: 89067

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.8	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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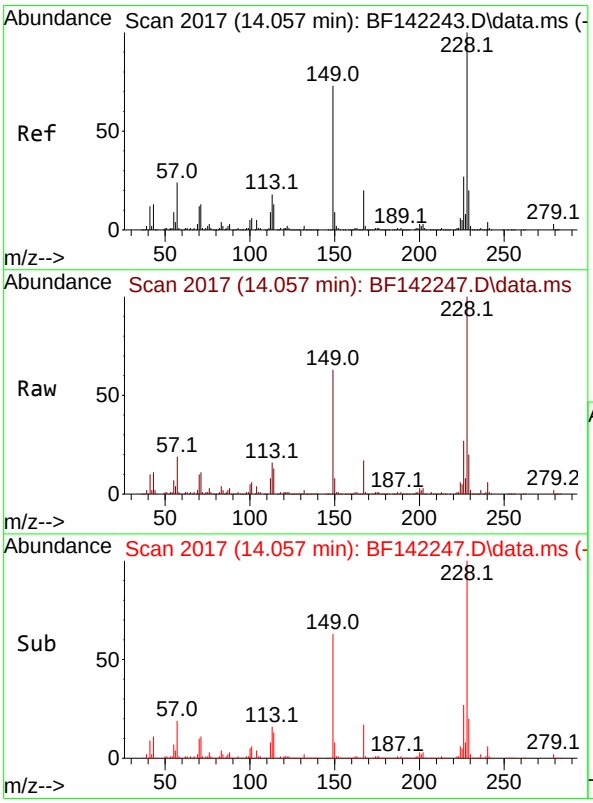
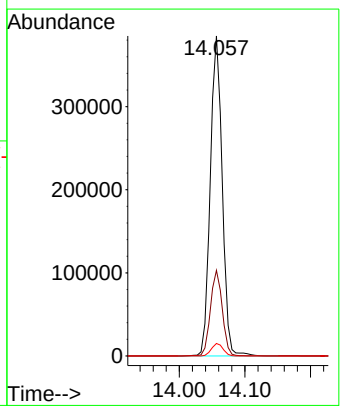
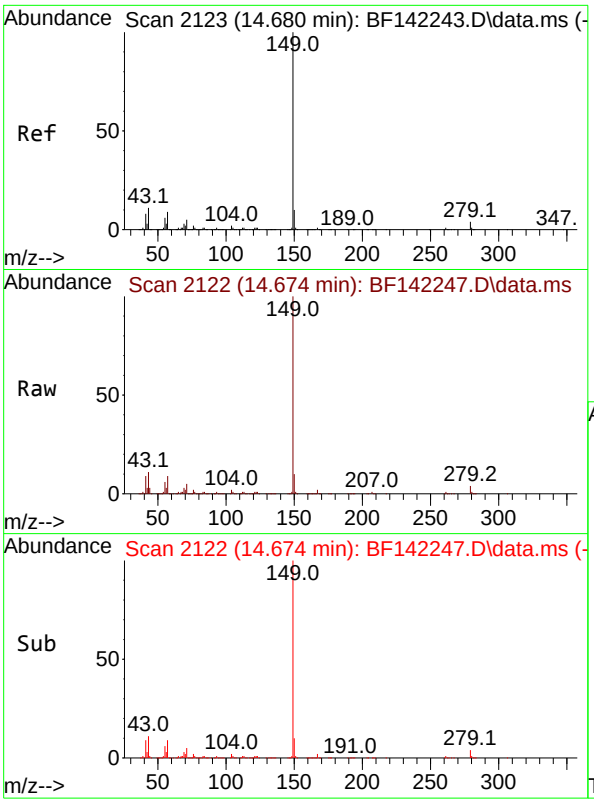


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.882 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 487122

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	3.9	3.0	4.4

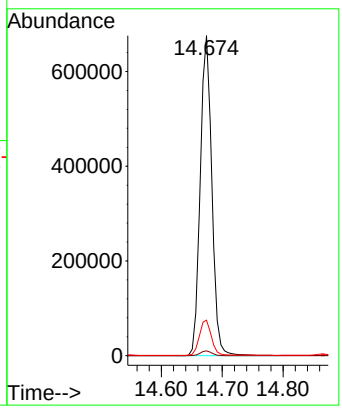




#85
Di-n-octyl phthalate
Concen: 41.178 ng
RT: 14.674 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:149 Resp: 88984

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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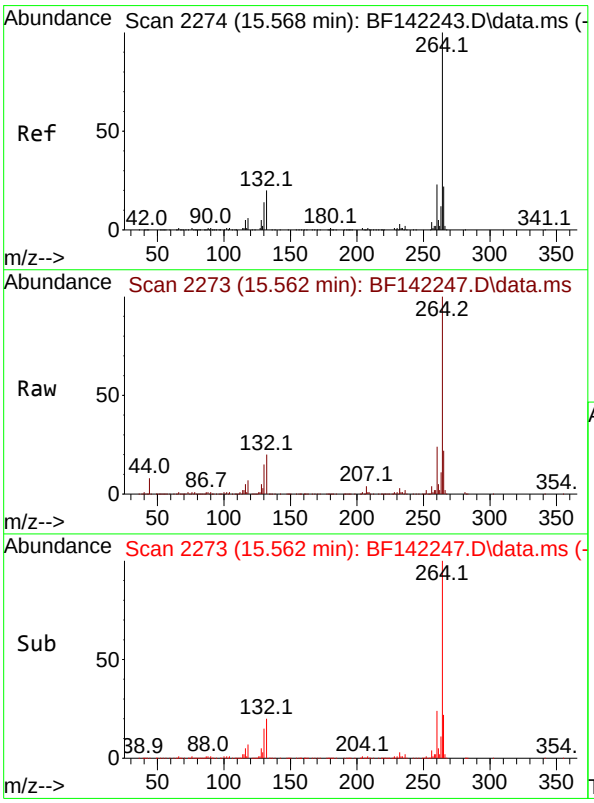
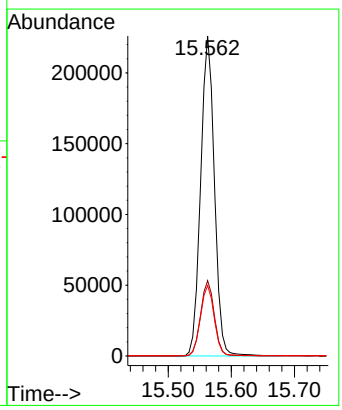
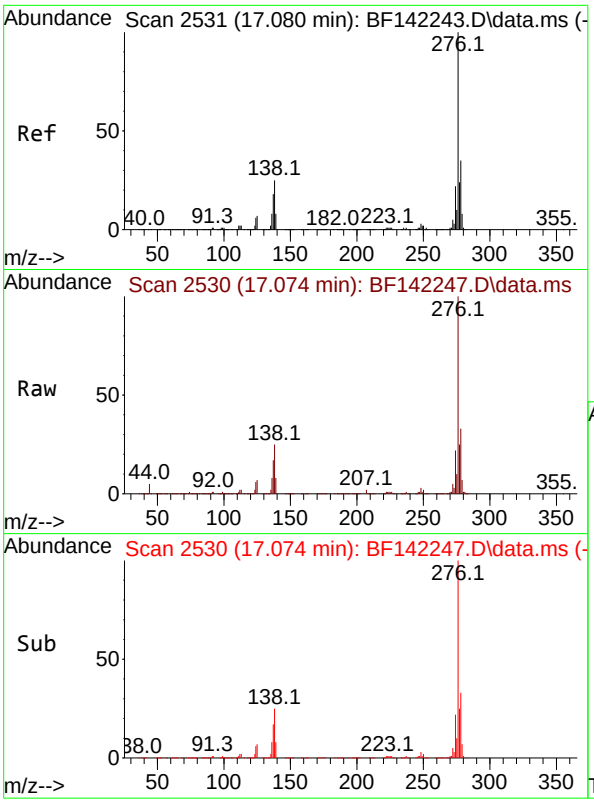


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:264 Resp: 342826

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	22.0	17.3	25.9

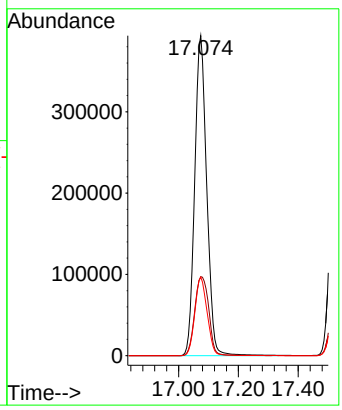




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.757 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:276 Resp: 109877

Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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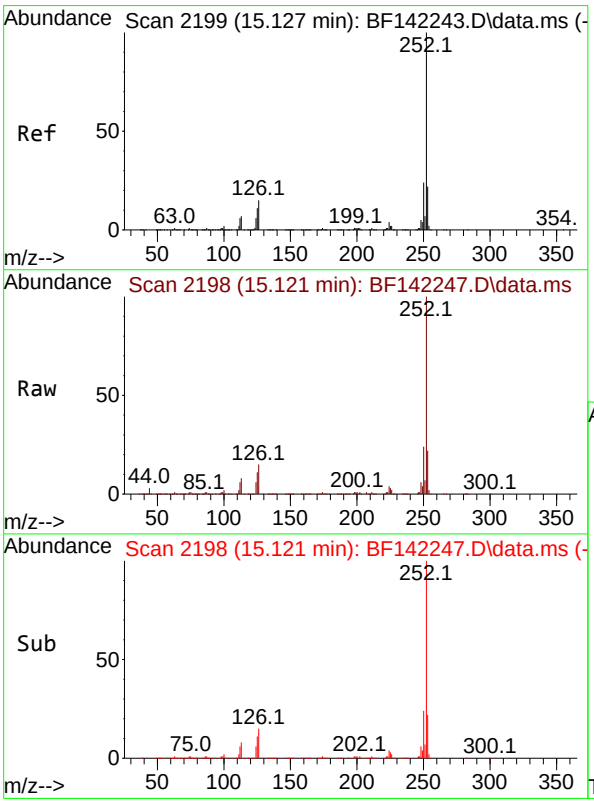
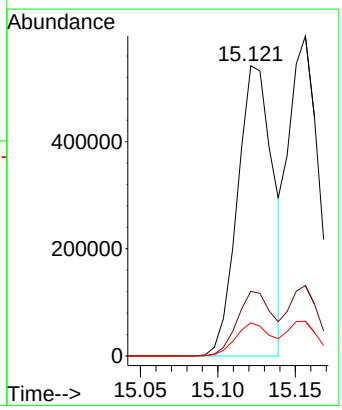
Supervised By :Jagrut Upadhyay 05/01/2025

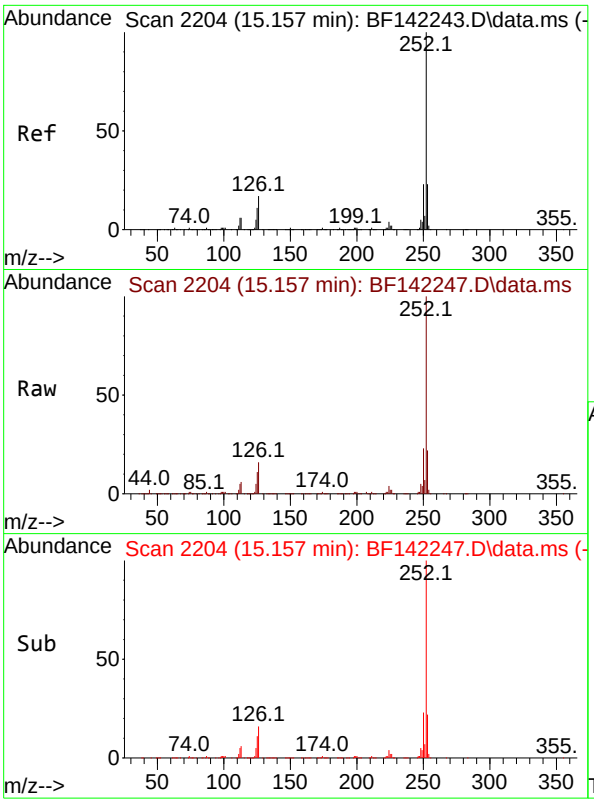


#88
Benzo(b)fluoranthene
Concen: 40.403 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 860370

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.4	9.0	13.4

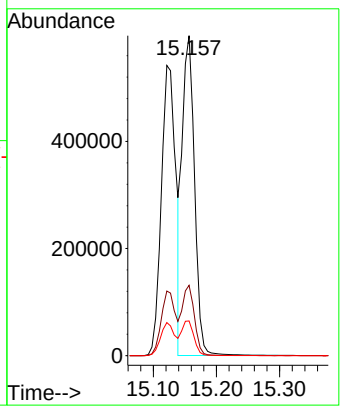




#89
Benzo(k)fluoranthene
Concen: 41.665 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 81154

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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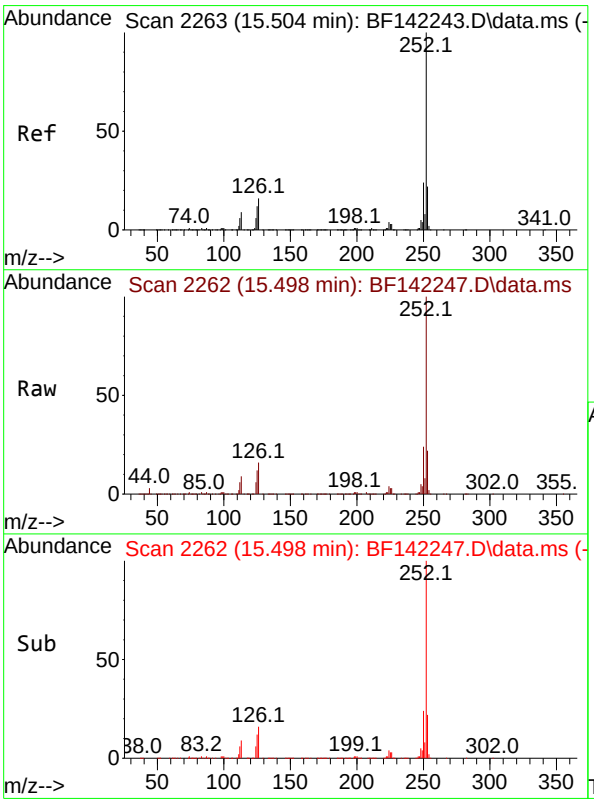
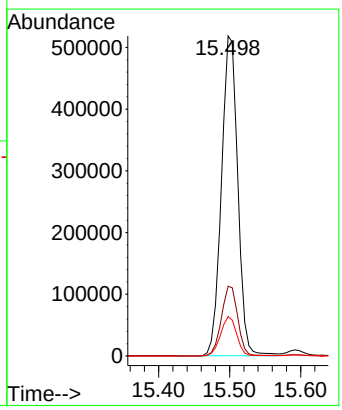
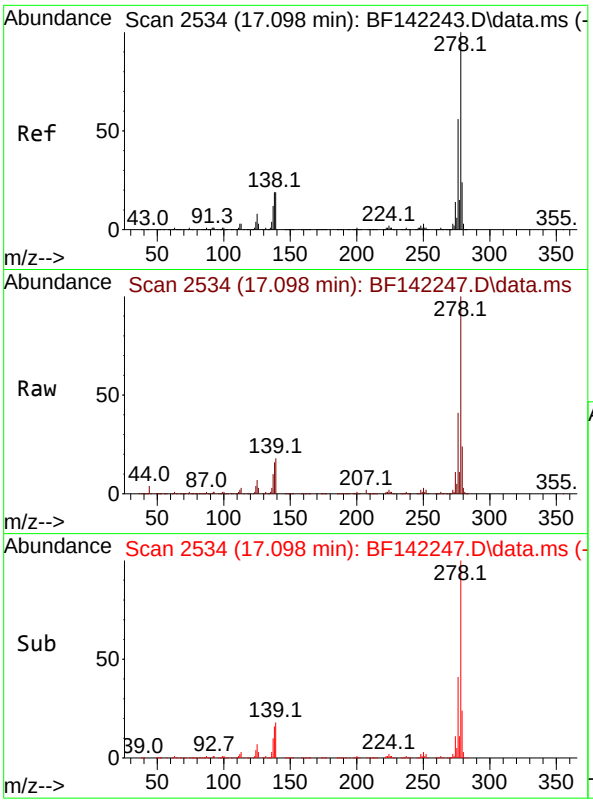


#90
Benzo(a)pyrene
Concen: 42.380 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:252 Resp: 826250

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	12.3	9.5	14.3

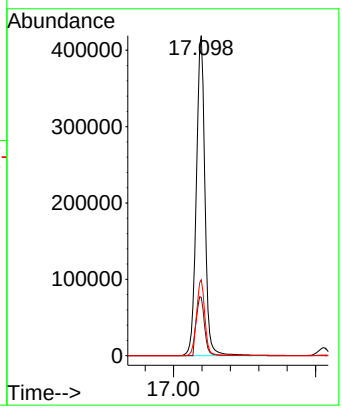




#91
Dibenzo(a,h)anthracene
Concen: 43.565 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:278 Resp: 88785

Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
ICVBF043025

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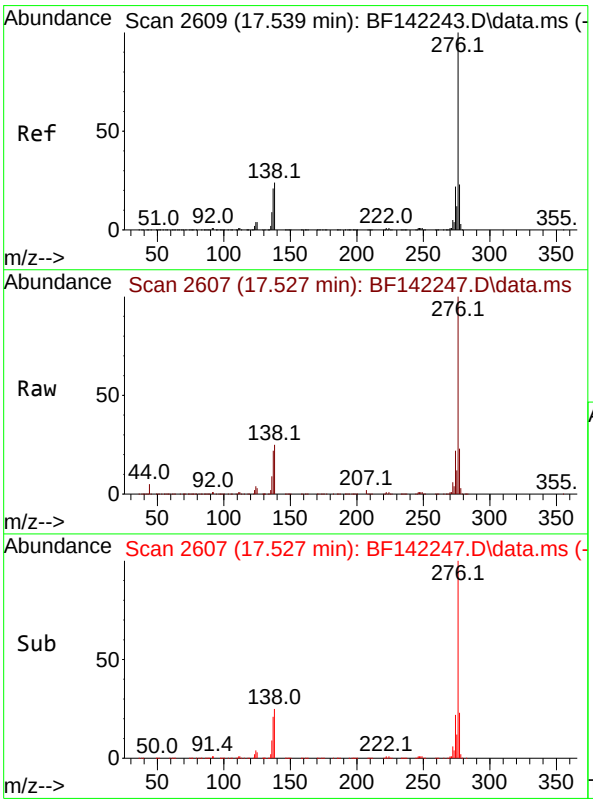
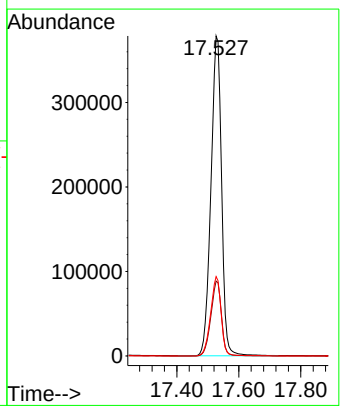


#92
Benzo(g,h,i)perylene
Concen: 43.902 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF142247.D
Acq: 30 Apr 2025 16:17

Tgt Ion:276 Resp: 899474

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	24.8	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	103	0.00
2		1,4-Dioxane	0.559	0.593	-6.1	103	0.00
3		Pyridine	1.454	1.543	-6.1	104	0.00
4		n-Nitrosodimethylamine	0.752	0.808	-7.4	103	0.00
5	S	2-Fluorophenol	1.252	1.332	-6.4	104	0.00
6		Aniline	2.140	2.280	-6.5	105	0.00
7	S	Phenol-d6	1.512	1.621	-7.2	105	0.00
8		2-Chlorophenol	1.294	1.430	-10.5	107	0.00
9		Benzaldehyde	1.057	1.134	-7.3	105	0.00
10	C	Phenol	1.628	1.741	-6.9	105	0.00
11		bis(2-Chloroethyl)ether	1.262	1.335	-5.8	104	0.00
12		1,3-Dichlorobenzene	1.464	1.530	-4.5	103	0.00
13	C	1,4-Dichlorobenzene	1.475	1.546	-4.8	103	0.00
14		1,2-Dichlorobenzene	1.408	1.487	-5.6	104	0.00
15		Benzyl Alcohol	1.073	1.163	-8.4	104	0.00
16		2,2'-oxybis(1-Chloropropane	2.278	2.431	-6.7	105	0.00
17		2-Methylphenol	1.060	1.121	-5.8	103	0.00
18		Hexachloroethane	0.483	0.534	-10.6	108	0.00
19	P	n-Nitroso-di-n-propylamine	0.934	0.981	-5.0	104	0.00
20		3+4-Methylphenols	1.326	1.456	-9.8	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.463	0.479	-3.5	105	0.00
23	S	Nitrobenzene-d5	0.304	0.376	-23.7	114	0.00
24		Nitrobenzene	0.299	0.354	-18.4	111	0.00
25		Isophorone	0.639	0.667	-4.4	104	0.00
26	C	2-Nitrophenol	0.102	0.152	-49.0#	135	0.00
27		2,4-Dimethylphenol	0.322	0.346	-7.5	106	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.421	-4.5	104	0.00
29	C	2,4-Dichlorophenol	0.269	0.296	-10.0	105	0.00
30		1,2,4-Trichlorobenzene	0.301	0.313	-4.0	103	0.00
31		Naphthalene	0.997	1.022	-2.5	103	0.00
32		Benzoic acid	0.125	0.170	-36.0#	134	0.00
33		4-Chloroaniline	0.415	0.429	-3.4	103	0.00
34	C	Hexachlorobutadiene	0.175	0.185	-5.7	103	0.00
35		Caprolactam	0.081	0.090	-11.1	106	0.00
36	C	4-Chloro-3-methylphenol	0.277	0.301	-8.7	105	0.00
37		2-Methylnaphthalene	0.613	0.631	-2.9	104	0.00
38		1-Methylnaphthalene	0.635	0.655	-3.1	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.563	0.582	-3.4	104	0.00
41	P	Hexachlorocyclopentadiene	0.319	0.378	-18.5	110	0.00
42	S	2,4,6-Tribromophenol	0.182	0.212	-16.5	107	0.00
43	C	2,4,6-Trichlorophenol	0.349	0.399	-14.3	111	0.00
44		2,4,5-Trichlorophenol	0.367	0.410	-11.7	104	0.00
45	S	2-Fluorobiphenyl	1.418	1.415	0.2	103	0.00
46		1,1'-Biphenyl	1.555	1.591	-2.3	103	0.00
47		2-Chloronaphthalene	1.157	1.186	-2.5	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	0.249	0.354	-42.2#	123	0.00
49		Acenaphthylene	1.952	2.011	-3.0	103	0.00
50		Dimethylphthalate	1.280	1.345	-5.1	105	0.00
51		2,6-Dinitrotoluene	0.204	0.277	-35.8#	118	0.00
52	C	Acenaphthene	1.140	1.186	-4.0	104	0.00
53		3-Nitroaniline	0.257	0.338	-31.5#	117	0.00
54	P	2,4-Dinitrophenol	0.058	0.082	-41.4#	148	0.00
55		Dibenzofuran	1.709	1.759	-2.9	104	0.00
56	P	4-Nitrophenol	0.201	0.251	-24.9	120	0.00
57		2,4-Dinitrotoluene	0.239	0.348	-45.6#	126	0.00
58		Fluorene	1.299	1.322	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	0.304	0.347	-14.1	107	0.00
60		Diethylphthalate	1.263	1.334	-5.6	104	0.00
61		4-Chlorophenyl-phenylether	0.617	0.627	-1.6	102	0.00
62		4-Nitroaniline	0.238	0.305	-28.2#	115	0.00
63		Azobenzene	1.248	1.291	-3.4	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.076	-40.7#	142	0.00
66	c	n-Nitrosodiphenylamine	0.683	0.714	-4.5	103	0.00
67		4-Bromophenyl-phenylether	0.223	0.237	-6.3	103	0.00
68		Hexachlorobenzene	0.249	0.261	-4.8	103	0.00
69		Atrazine	0.180	0.201	-11.7	109	0.00
70	C	Pentachlorophenol	0.132	0.156	-18.2	111	0.00
71		Phenanthrene	1.080	1.106	-2.4	102	0.00
72		Anthracene	1.105	1.156	-4.6	105	0.00
73		Carbazole	1.008	1.053	-4.5	105	0.00
74		Di-n-butylphthalate	1.013	1.116	-10.2	107	0.00
75	C	Fluoranthene	1.068	1.113	-4.2	105	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.850	0.987	-16.1	107	0.00
78		Pyrene	1.845	2.033	-10.2	105	0.00
79	S	Terphenyl-d14	1.375	1.473	-7.1	104	0.00
80		Butylbenzylphthalate	0.425	0.537	-26.4#	111	0.00
81		Benzo(a)anthracene	1.343	1.389	-3.4	101	0.00
82		3,3'-Dichlorobenzidine	0.394	0.449	-14.0	106	0.00
83		Chrysene	1.222	1.288	-5.4	109	0.00
84		Bis(2-ethylhexyl)phthalate	0.604	0.704	-16.6	106	0.00
85	c	Di-n-octyl phthalate	1.133	1.287	-13.6	106	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.603	-9.4	104	0.00
88		Benzo(b)fluoranthene	1.242	1.255	-1.0	101	0.00
89		Benzo(k)fluoranthene	1.136	1.184	-4.2	108	0.00
90	C	Benzo(a)pyrene	1.137	1.205	-6.0	105	0.00
91		Dibenzo(a,h)anthracene	1.189	1.295	-8.9	103	0.00
92		Benzo(g,h,i)perylene	1.195	1.312	-9.8	105	-0.01

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	103	0.00
2		1,4-Dioxane	40.000	42.438	-6.1	103	0.00
3		Pyridine	40.000	42.469	-6.2	104	0.00
4		n-Nitrosodimethylamine	40.000	42.942	-7.4	103	0.00
5	S	2-Fluorophenol	80.000	85.116	-6.4	104	0.00
6		Aniline	40.000	42.598	-6.5	105	0.00
7	S	Phenol-d6	80.000	85.730	-7.2	105	0.00
8		2-Chlorophenol	40.000	44.202	-10.5	107	0.00
9		Benzaldehyde	40.000	42.925	-7.3	105	0.00
10	C	Phenol	40.000	42.765	-6.9	105	0.00
11		bis(2-Chloroethyl)ether	40.000	42.329	-5.8	104	0.00
12		1,3-Dichlorobenzene	40.000	41.819	-4.5	103	0.00
13	C	1,4-Dichlorobenzene	40.000	41.924	-4.8	103	0.00
14		1,2-Dichlorobenzene	40.000	42.247	-5.6	104	0.00
15		Benzyl Alcohol	40.000	43.378	-8.4	104	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.684	-6.7	105	0.00
17		2-Methylphenol	40.000	42.288	-5.7	103	0.00
18		Hexachloroethane	40.000	44.255	-10.6	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.992	-5.0	104	0.00
20		3+4-Methylphenols	40.000	43.919	-9.8	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	41.441	-3.6	105	0.00
23	S	Nitrobenzene-d5	80.000	98.845	-23.6	114	0.00
24		Nitrobenzene	40.000	47.402	-18.5	111	0.00
25		Isophorone	40.000	41.789	-4.5	104	0.00
26	C	2-Nitrophenol	40.000	48.175	-20.4#	135	0.00
27		2,4-Dimethylphenol	40.000	43.004	-7.5	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.780	-4.5	104	0.00
29	C	2,4-Dichlorophenol	40.000	44.013	-10.0	105	0.00
30		1,2,4-Trichlorobenzene	40.000	41.724	-4.3	103	0.00
31		Naphthalene	40.000	41.005	-2.5	103	0.00
32		Benzoic acid	40.000	45.113	-12.8	134	0.00
33		4-Chloroaniline	40.000	41.344	-3.4	103	0.00
34	C	Hexachlorobutadiene	40.000	42.127	-5.3	103	0.00
35		Caprolactam	40.000	44.434	-11.1	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.485	-8.7	105	0.00
37		2-Methylnaphthalene	40.000	41.155	-2.9	104	0.00
38		1-Methylnaphthalene	40.000	41.232	-3.1	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.349	-3.4	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.321	-18.3	110	0.00
42	S	2,4,6-Tribromophenol	80.000	93.044	-16.3	107	0.00
43	C	2,4,6-Trichlorophenol	40.000	45.713	-14.3	111	0.00
44		2,4,5-Trichlorophenol	40.000	44.676	-11.7	104	0.00
45	S	2-Fluorobiphenyl	80.000	79.807	0.2	103	0.00
46		1,1'-Biphenyl	40.000	40.936	-2.3	103	0.00
47		2-Chloronaphthalene	40.000	41.003	-2.5	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	46.523	-16.3	123	0.00
49		Acenaphthylene	40.000	41.211	-3.0	103	0.00
50		Dimethylphthalate	40.000	42.054	-5.1	105	0.00
51		2,6-Dinitrotoluene	40.000	45.376	-13.4	118	0.00
52	C	Acenaphthene	40.000	41.631	-4.1	104	0.00
53		3-Nitroaniline	40.000	45.509	-13.8	117	0.00
54	P	2,4-Dinitrophenol	40.000	49.090	-22.7	148	0.00
55		Dibenzofuran	40.000	41.181	-3.0	104	0.00
56	P	4-Nitrophenol	40.000	49.952	-24.9	120	0.00
57		2,4-Dinitrotoluene	40.000	46.994	-17.5	126	0.00
58		Fluorene	40.000	40.714	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.724	-14.3	107	0.00
60		Diethylphthalate	40.000	42.222	-5.6	104	0.00
61		4-Chlorophenyl-phenylether	40.000	40.626	-1.6	102	0.00
62		4-Nitroaniline	40.000	45.070	-12.7	115	0.00
63		Azobenzene	40.000	41.400	-3.5	104	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.598	-16.5	142	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.816	-4.5	103	0.00
67		4-Bromophenyl-phenylether	40.000	42.497	-6.2	103	0.00
68		Hexachlorobenzene	40.000	41.800	-4.5	103	0.00
69		Atrazine	40.000	44.732	-11.8	109	0.00
70	C	Pentachlorophenol	40.000	47.342	-18.4	111	0.00
71		Phenanthrene	40.000	40.955	-2.4	102	0.00
72		Anthracene	40.000	41.854	-4.6	105	0.00
73		Carbazole	40.000	41.793	-4.5	105	0.00
74		Di-n-butylphthalate	40.000	44.051	-10.1	107	0.00
75	C	Fluoranthene	40.000	41.690	-4.2	105	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	46.435	-16.1	107	0.00
78		Pyrene	40.000	44.082	-10.2	105	0.00
79	S	Terphenyl-d14	80.000	85.716	-7.1	104	0.00
80		Butylbenzylphthalate	40.000	42.984	-7.5	111	0.00
81		Benzo(a)anthracene	40.000	41.383	-3.5	101	0.00
82		3,3'-Dichlorobenzidine	40.000	45.495	-13.7	106	0.00
83		Chrysene	40.000	42.158	-5.4	109	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.882	-2.2	106	0.00
85	c	Di-n-octyl phthalate	40.000	41.178	-2.9	106	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.757	-9.4	104	0.00
88		Benzo(b)fluoranthene	40.000	40.403	-1.0	101	0.00
89		Benzo(k)fluoranthene	40.000	41.665	-4.2	108	0.00
90	C	Benzo(a)pyrene	40.000	42.380	-6.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	43.565	-8.9	103	0.00
92		Benzo(g,h,i)perylene	40.000	43.902	-9.8	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG No.: Q1915

Instrument ID: BNA_F Calibration Date/Time: 05/01/2025 10:17

Lab File ID: BF142250.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.454	1.532		5.4	
2-Fluorophenol	1.252	1.250		-0.2	
Phenol-d6	1.512	1.575		4.2	
1,4-Dichlorobenzene	1.475	1.526		3.5	20.0
2-Methylphenol	1.060	1.103		4.1	
3+4-Methylphenols	1.326	1.404		5.9	
Nitrobenzene-d5	0.304	0.333		9.5	
Hexachloroethane	0.483	0.505		4.6	
Nitrobenzene	0.299	0.320		7.0	
Hexachlorobutadiene	0.175	0.186		6.3	20.0
2,4,6-Trichlorophenol	0.349	0.354		1.4	20.0
2-Fluorobiphenyl	1.418	1.409		-0.6	
2,4,5-Trichlorophenol	0.367	0.386		5.2	
2,4-Dinitrotoluene	0.239	0.289		20.9	
2,4,6-Tribromophenol	0.182	0.196		7.7	
Hexachlorobenzene	0.249	0.257		3.2	
Pentachlorophenol	0.132	0.137		3.8	20.0
Terphenyl-d14	1.375	1.422		3.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	186578	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	719586	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381198	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	647816	20.000	ng	0.00
76) Chrysene-d12	14.074	240	384442	20.000	ng	0.00
86) Perylene-d12	15.562	264	349272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	932561	79.825	ng	0.00
7) Phenol-d6	6.522	99	1175099	83.296	ng	0.00
23) Nitrobenzene-d5	7.475	82	958053	87.469	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	298805	85.983	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2147916	79.446	ng	0.00
79) Terphenyl-d14	13.021	244	2186580	82.722	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	216157	41.429	ng	98
3) Pyridine	3.463	79	571670	42.158	ng	98
4) n-Nitrosodimethylamine	3.410	42	297662	42.418	ng	97
6) Aniline	6.569	93	830257	41.579	ng	100
8) 2-Chlorophenol	6.687	128	475745	39.409	ng	98
9) Benzaldehyde	6.457	77	418699	42.464	ng	100
10) Phenol	6.540	94	617909m	40.684	ng	
11) bis(2-Chloroethyl)ether	6.640	93	494668	42.030	ng	99
12) 1,3-Dichlorobenzene	6.851	146	566821	41.505	ng	99
13) 1,4-Dichlorobenzene	6.928	146	569459	41.388	ng	100
14) 1,2-Dichlorobenzene	7.081	146	550181	41.885	ng	99
15) Benzyl Alcohol	7.045	79	411183	41.095	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	889834	41.870	ng	99
17) 2-Methylphenol	7.151	107	411493	41.610	ng	99
18) Hexachloroethane	7.422	117	188542	41.867	ng	94
19) n-Nitroso-di-n-propyla...	7.322	70	356048	40.842	ng	99
20) 3+4-Methylphenols	7.304	107	523765	42.351	ng	97
22) Acetophenone	7.316	105	690233	41.462	ng	98
24) Nitrobenzene	7.492	77	461069	42.902	ng	96
25) Isophorone	7.728	82	966817	42.059	ng	100
26) 2-Nitrophenol	7.804	139	140561	34.044	ng	99
27) 2,4-Dimethylphenol	7.834	122	485594	41.898	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	606286	41.820	ng	100
29) 2,4-Dichlorophenol	8.039	162	409683	42.280	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	453172	41.910	ng	99
31) Naphthalene	8.216	128	1482230	41.304	ng	100
32) Benzoic acid	7.928	122	168727m	34.514	ng	
33) 4-Chloroaniline	8.257	127	622889	41.683	ng	100
34) Hexachlorobutadiene	8.334	225	267370	42.382	ng	100
35) Caprolactam	8.622	113	129344	44.410	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	431195	43.337	ng	99
37) 2-Methylnaphthalene	8.904	142	913767	41.414	ng	99
38) 1-Methylnaphthalene	9.004	142	950787	41.597	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	435999	40.641	ng	100
41) Hexachlorocyclopentadiene	9.057	237	241144	39.605	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	269577	40.551	ng	100

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.210	196	294308	42.108	ng		99
46)	1,1'-Biphenyl	9.369	154	1212716	40.922	ng		99
47)	2-Chloronaphthalene	9.392	162	896541	40.663	ng		99
48)	2-Nitroaniline	9.480	65	211351	37.508	ng		97
49)	Acenaphthylene	9.810	152	1521943	40.906	ng		100
50)	Dimethylphthalate	9.669	163	1026519	42.093	ng		100
51)	2,6-Dinitrotoluene	9.728	165	176156	38.527	ng		98
52)	Acenaphthene	9.980	154	903201	41.576	ng		100
53)	3-Nitroaniline	9.892	138	225294	40.152	ng		100
54)	2,4-Dinitrophenol	9.992	184	42525	37.926	ng	#	1
55)	Dibenzofuran	10.151	168	1350916	41.484	ng		99
56)	4-Nitrophenol	10.039	139	159868	41.706	ng		98
57)	2,4-Dinitrotoluene	10.128	165	220248	39.850	ng		99
58)	Fluorene	10.498	166	1007989	40.709	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.263	232	245919	42.475	ng		99
60)	Diethylphthalate	10.369	149	1030685	42.799	ng		99
61)	4-Chlorophenyl-phenyle...	10.486	204	486030	41.333	ng		99
62)	4-Nitroaniline	10.504	138	215440	42.018	ng		98
63)	Azobenzene	10.645	77	996298	41.895	ng		98
65)	4,6-Dinitro-2-methylph...	10.533	198	69294	35.905	ng		99
66)	n-Nitrosodiphenylamine	10.604	169	914630	41.322	ng		100
67)	4-Bromophenyl-phenylether	10.980	248	304870	42.258	ng		99
68)	Hexachlorobenzene	11.039	284	332960	41.207	ng		94
69)	Atrazine	11.127	200	264074	45.262	ng		100
70)	Pentachlorophenol	11.233	266	177109	41.491	ng		99
71)	Phenanthrene	11.457	178	1446110	41.326	ng		100
72)	Anthracene	11.510	178	1479001	41.339	ng		100
73)	Carbazole	11.663	167	1352106	41.429	ng		100
74)	Di-n-butylphthalate	11.998	149	1472584	44.864	ng		100
75)	Fluoranthene	12.645	202	1485579	42.947	ng		100
77)	Benzidine	12.769	184	754042	46.160	ng		99
78)	Pyrene	12.874	202	1490017	42.016	ng		100
80)	Butylbenzylphthalate	13.498	149	385725	40.417	ng		98
81)	Benzo(a)anthracene	14.063	228	1059415	41.049	ng		99
82)	3,3'-Dichlorobenzidine	14.027	252	323049	42.615	ng		100
83)	Chrysene	14.104	228	997135	42.445	ng		100
84)	Bis(2-ethylhexyl)phtha...	14.057	149	477774	36.467	ng		100
85)	Di-n-octyl phthalate	14.674	149	782817	33.845	ng		100
87)	Indeno(1,2,3-cd)pyrene	17.074	276	1071010	41.864	ng		100
88)	Benzo(b)fluoranthene	15.127	252	867766	39.998	ng		99
89)	Benzo(k)fluoranthene	15.157	252	866064	43.643	ng		99
90)	Benzo(a)pyrene	15.504	252	833612	41.969	ng		99
91)	Dibenzo(a,h)anthracene	17.098	278	878980	42.333	ng		99
92)	Benzo(g,h,i)perylene	17.533	276	873517	41.848	ng		100

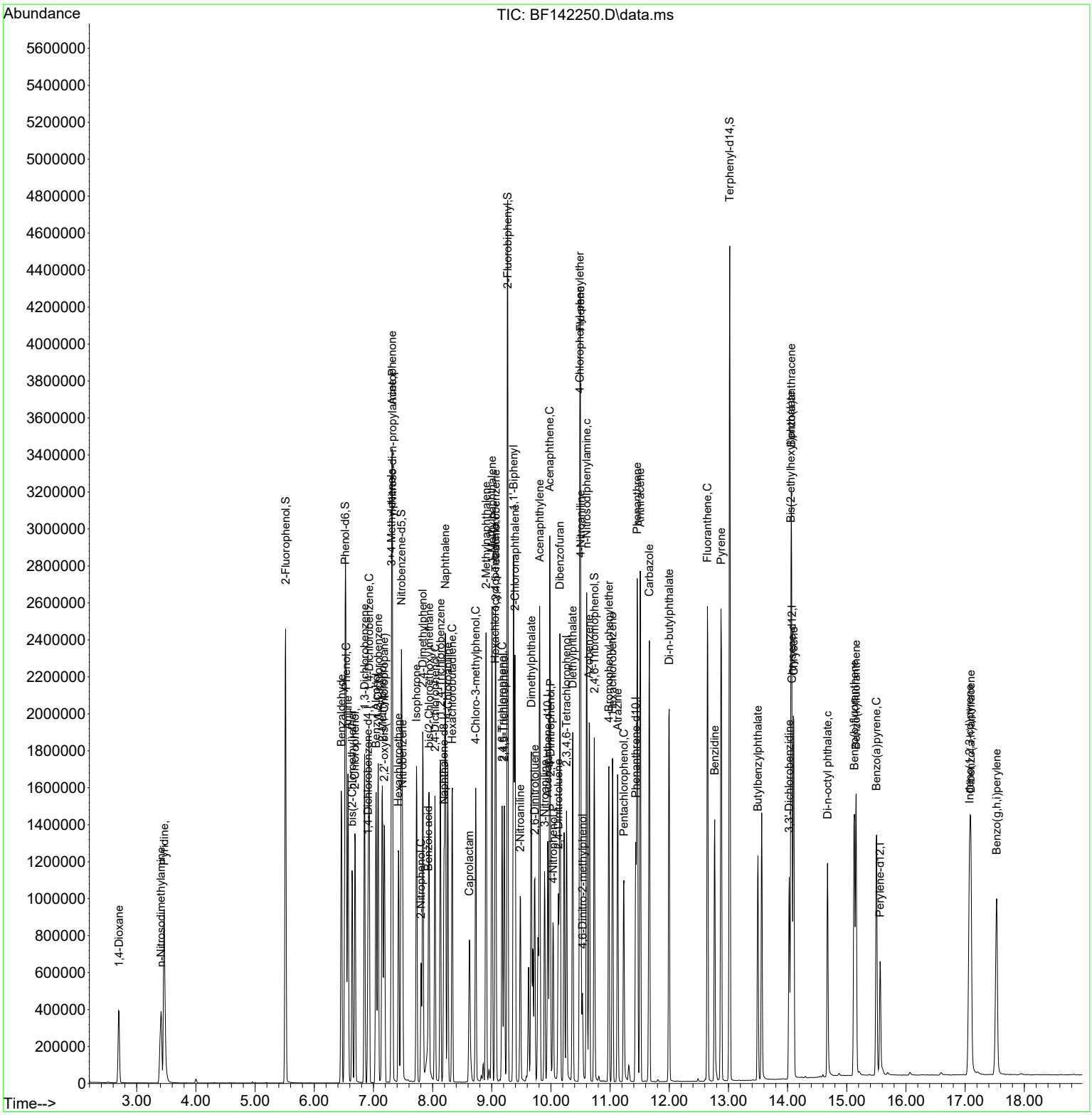
(#) = qualifier out of range (m) = manual integration (+) = signals summed

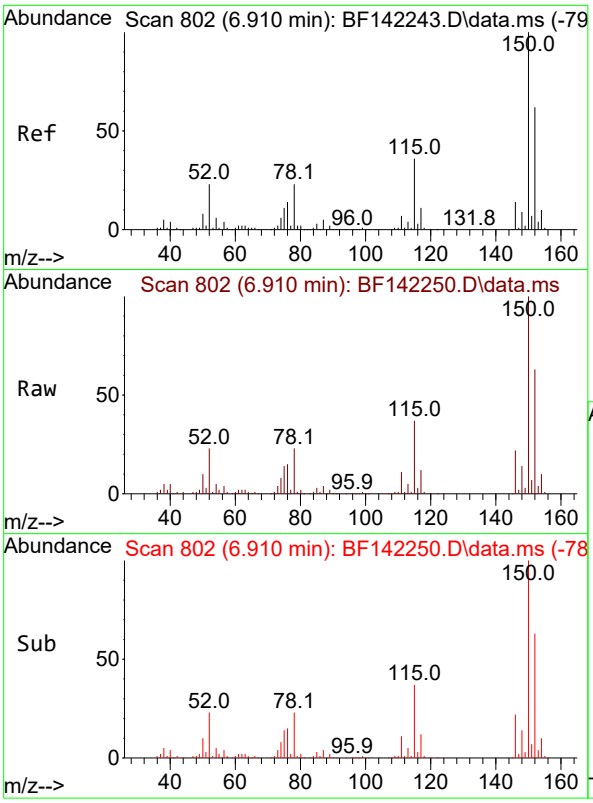
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

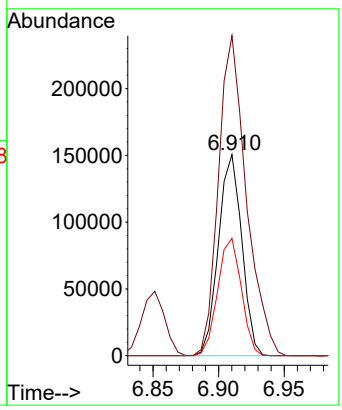




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:152 Resp: 18657

Ion	Ratio	Lower	Upper
152	100		
150	159.1	130.2	195.2
115	58.3	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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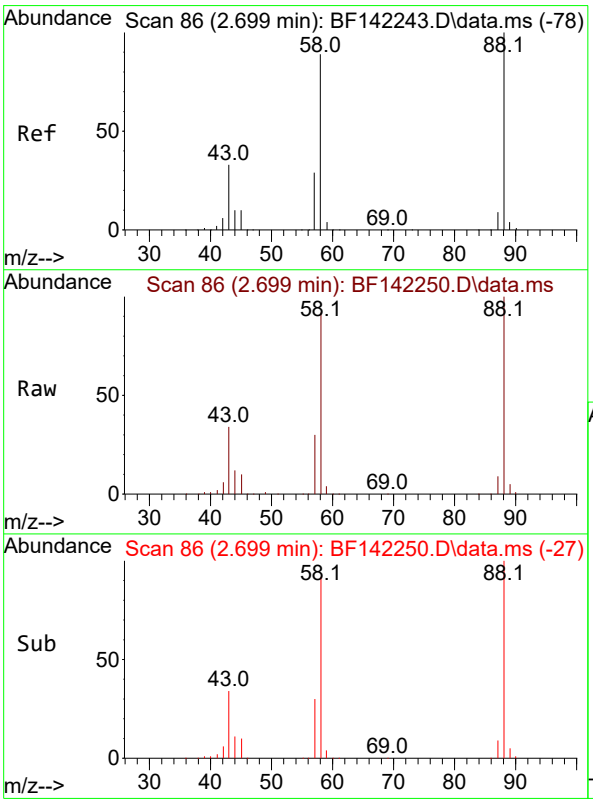
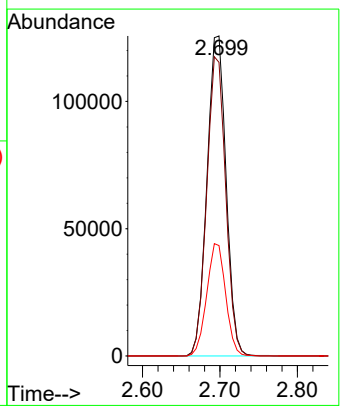
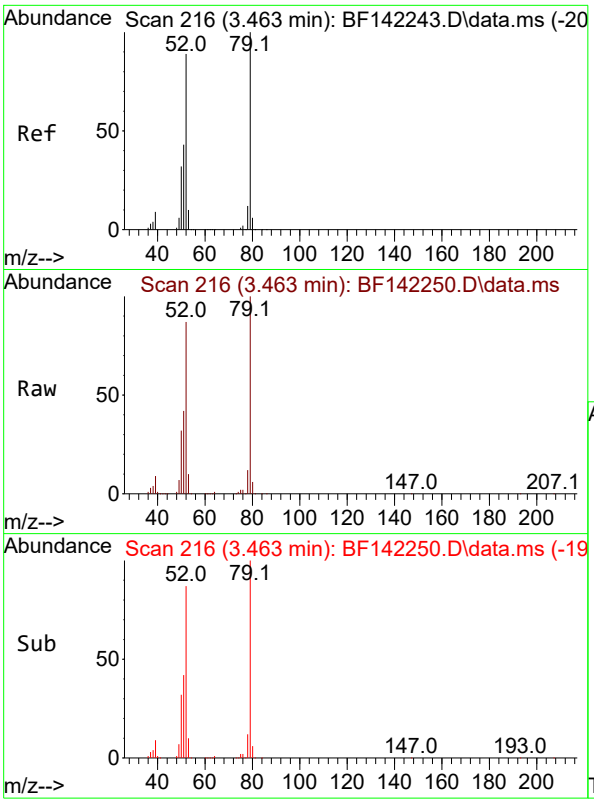


#2
1,4-Dioxane
Concen: 41.429 ng
RT: 2.699 min Scan# 86
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 88 Resp: 216157

Ion	Ratio	Lower	Upper
88	100		
58	92.7	72.2	108.2
43	34.7	27.0	40.6

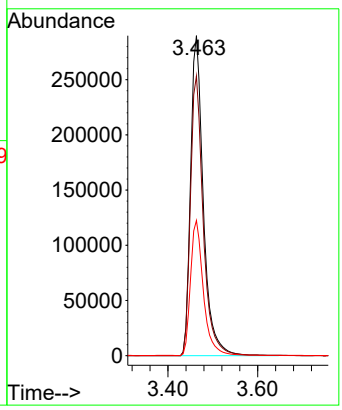




#3
Pyridine
Concen: 42.158 ng
RT: 3.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 79 Resp: 57167

Ion	Ratio	Lower	Upper
79	100		
52	87.4	71.5	107.3
51	42.2	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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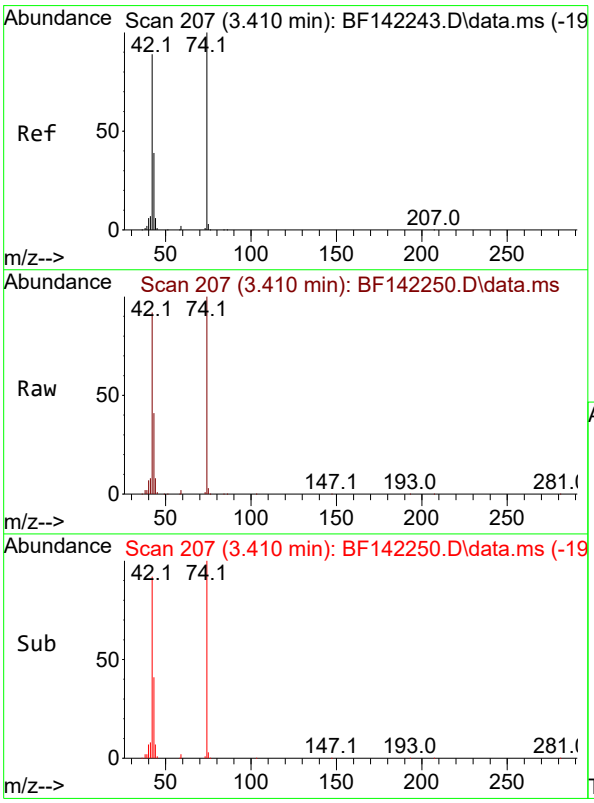
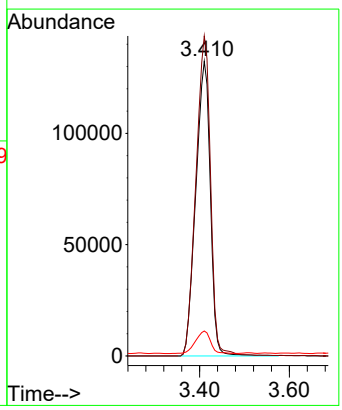
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

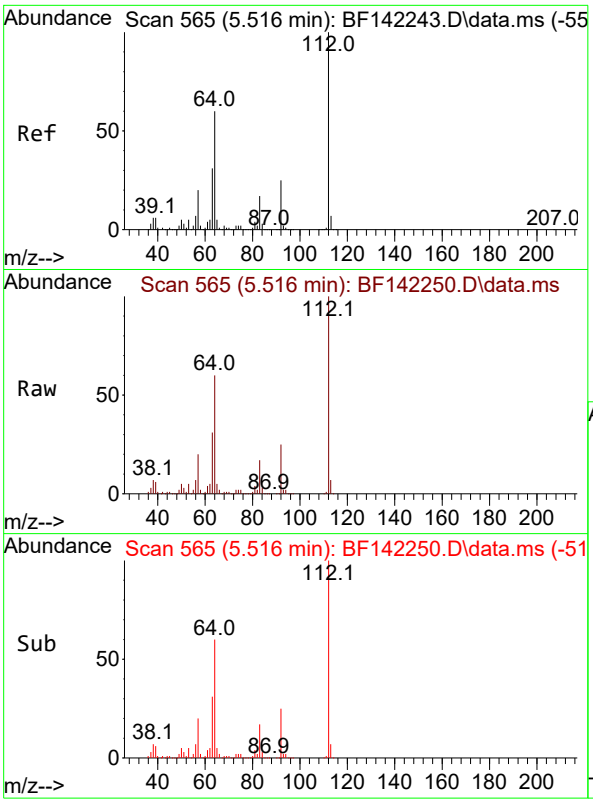


#4
n-Nitrosodimethylamine
Concen: 42.418 ng
RT: 3.410 min Scan# 207
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 42 Resp: 297662

Ion	Ratio	Lower	Upper
42	100		
74	108.6	89.5	134.3
44	8.5	6.6	9.8





#5
2-Fluorophenol
Concen: 79.825 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

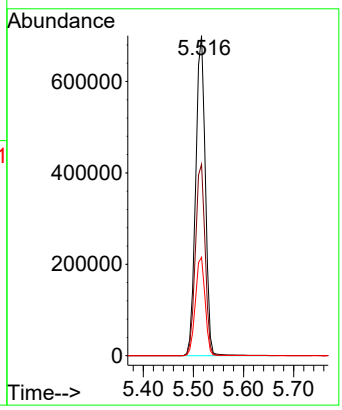
Tgt Ion:112 Resp: 93256

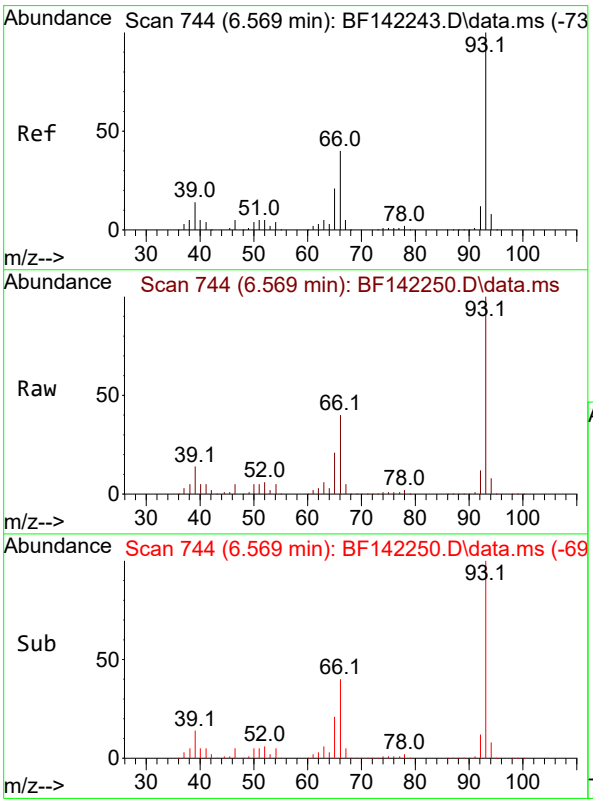
Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.4	72.6
63	30.8	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

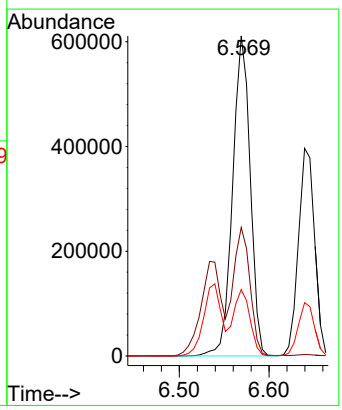


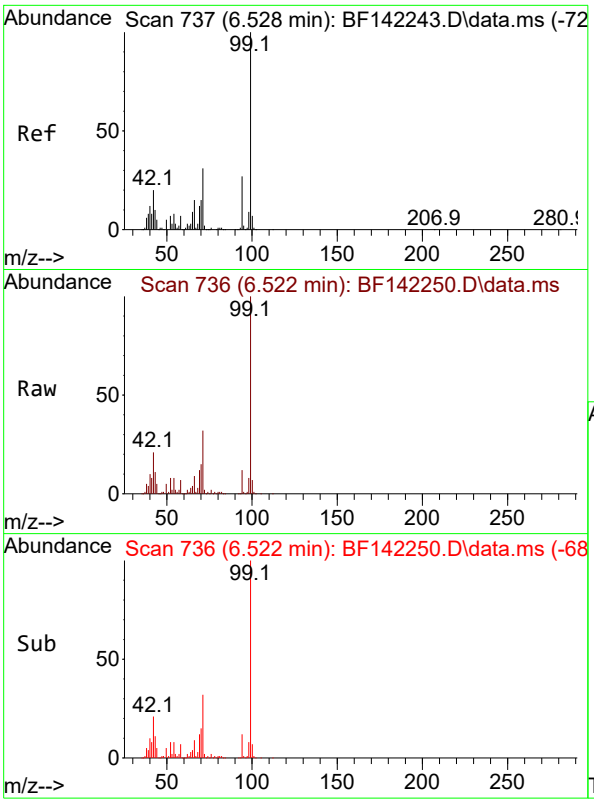


#6
Aniline
Concen: 41.579 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 93 Resp: 830257

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.1	48.1
65	20.7	16.6	24.8

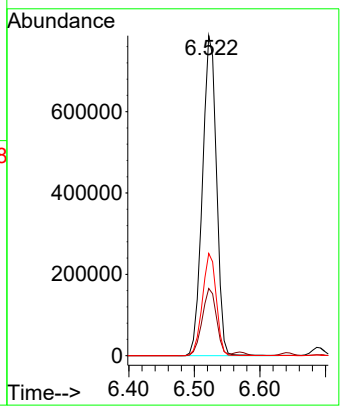




#7
Phenol-d6
Concen: 83.296 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 99 Resp: 117509

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

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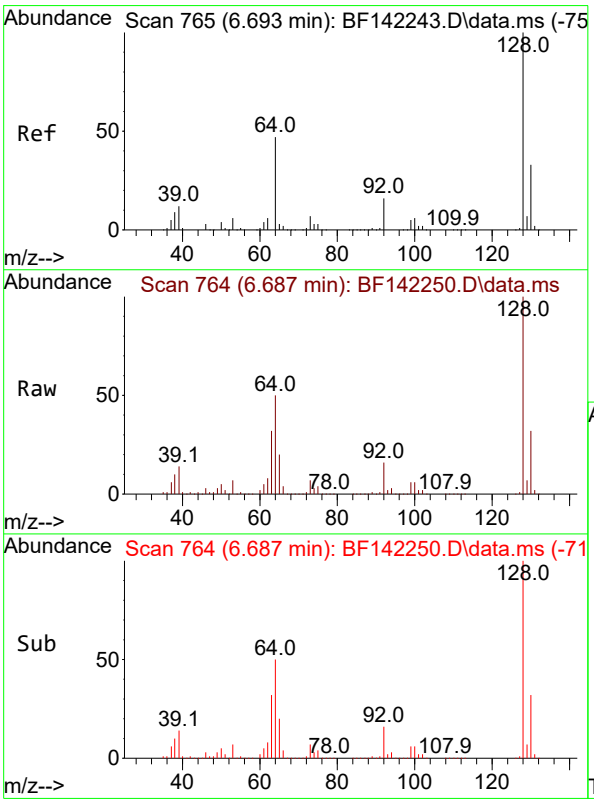
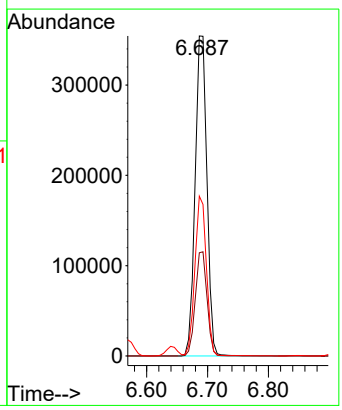
Supervised By :Jagrut Upadhyay 05/02/2025

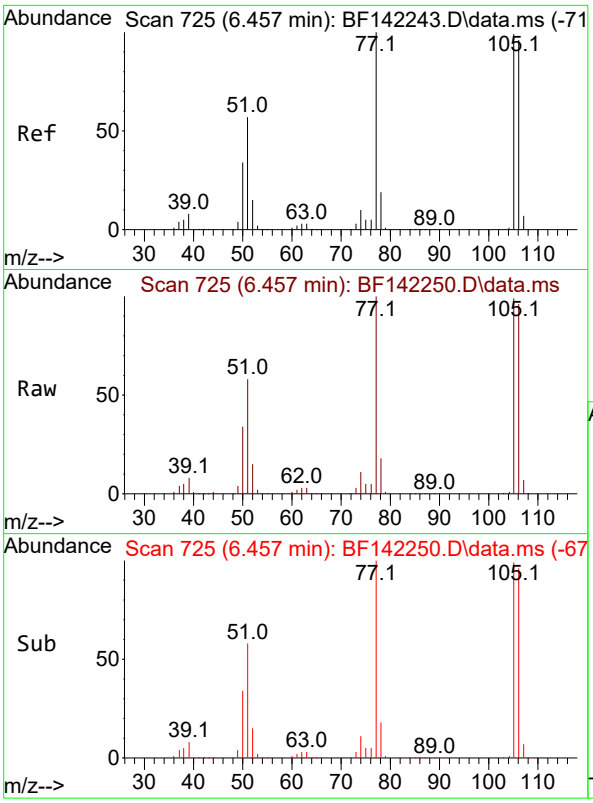


#8
2-Chlorophenol
Concen: 39.409 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:128 Resp: 475745

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.1	53.1
64	49.9	28.6	68.6

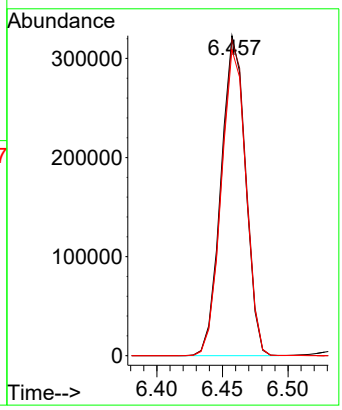




#9
Benzaldehyde
Concen: 42.464 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 77 Resp: 41869

Ion	Ratio	Lower	Upper
77	100		
105	98.6	79.1	119.1
106	95.6	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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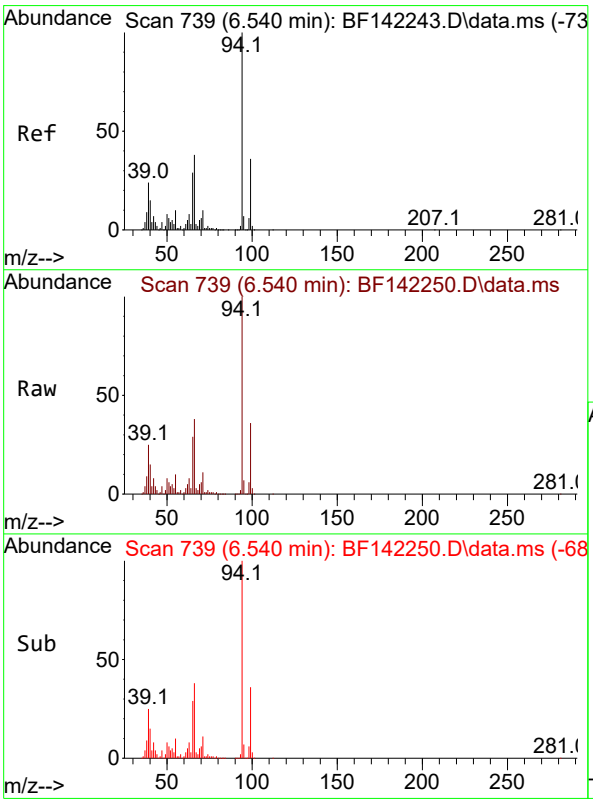
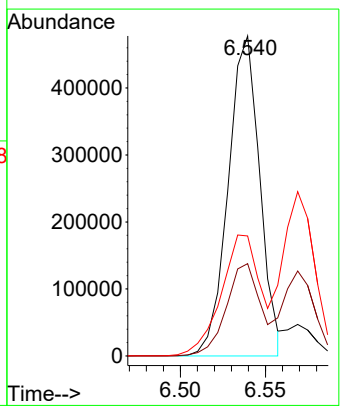
Supervised By :Jagrut Upadhyay 05/02/2025

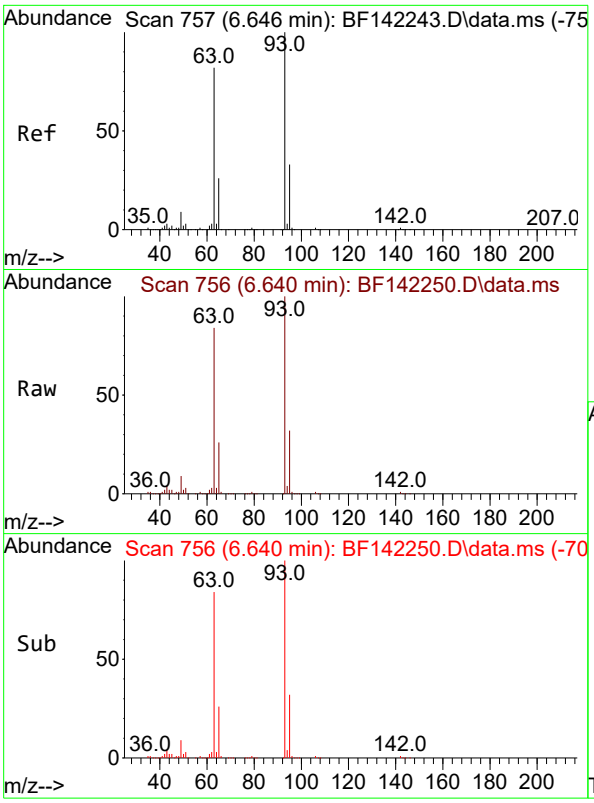


#10
Phenol
Concen: 40.684 ng m
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 94 Resp: 617909

Ion	Ratio	Lower	Upper
94	100		
65	28.8	8.9	48.9
66	37.5	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 42.030 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

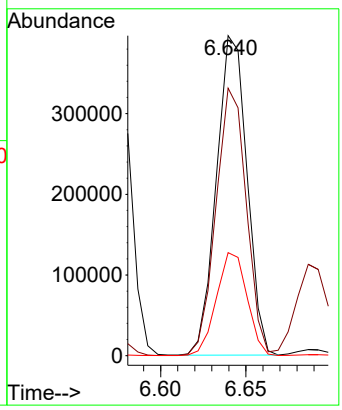
Tgt Ion: 93 Resp: 49466

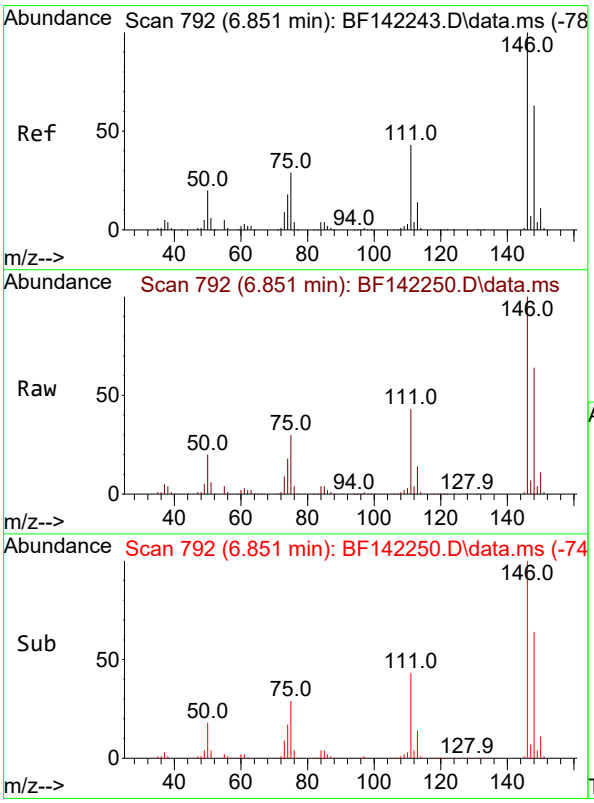
Ion	Ratio	Lower	Upper
93	100		
63	83.6	62.2	102.2
95	32.2	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

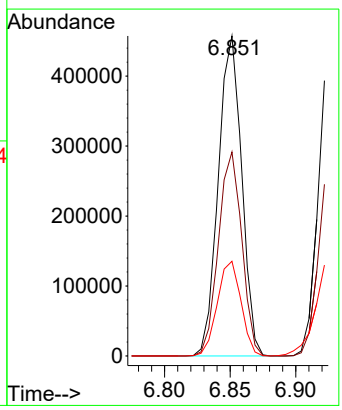


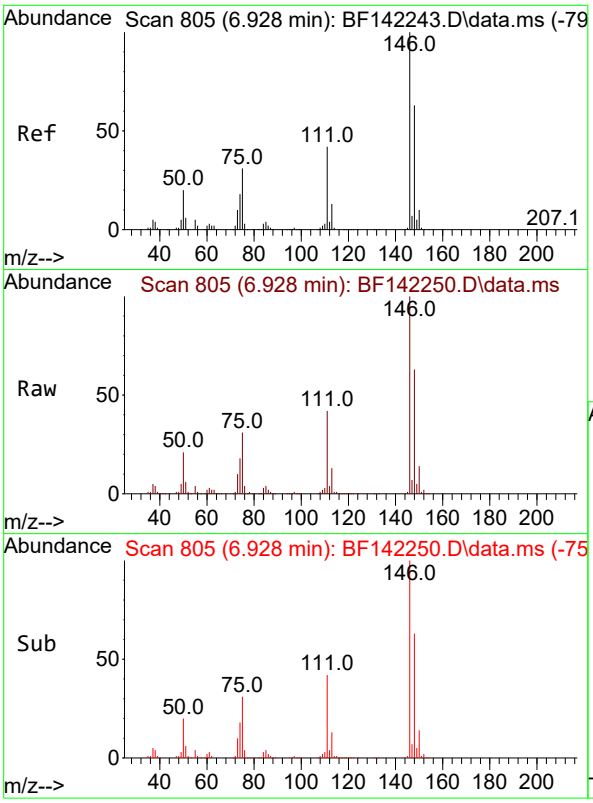


#12
1,3-Dichlorobenzene
Concen: 41.505 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:146 Resp: 566821

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
75	29.6	23.2	34.8

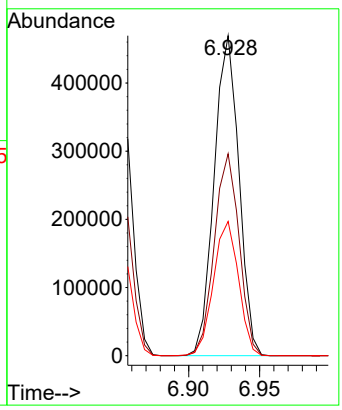




#13
1,4-Dichlorobenzene
Concen: 41.388 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:146 Resp: 56945

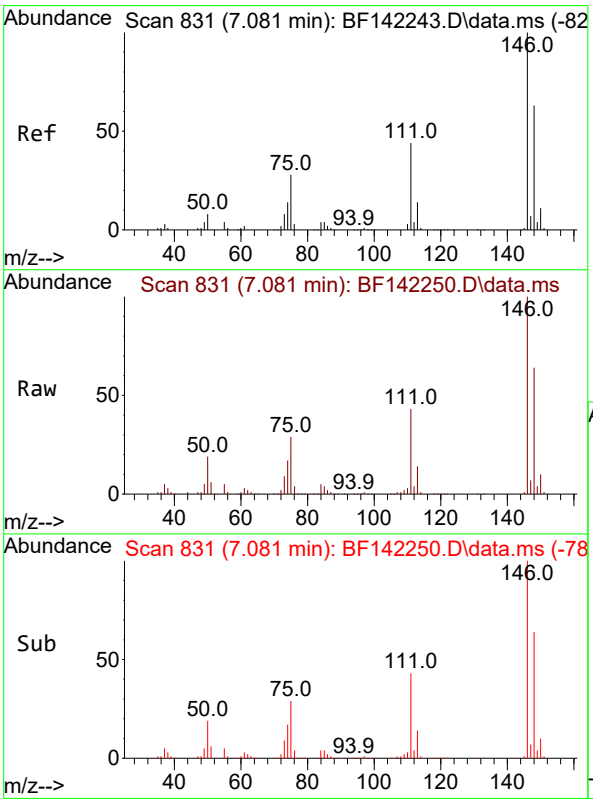
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
111	42.0	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

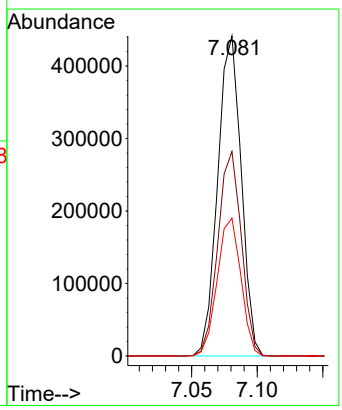
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

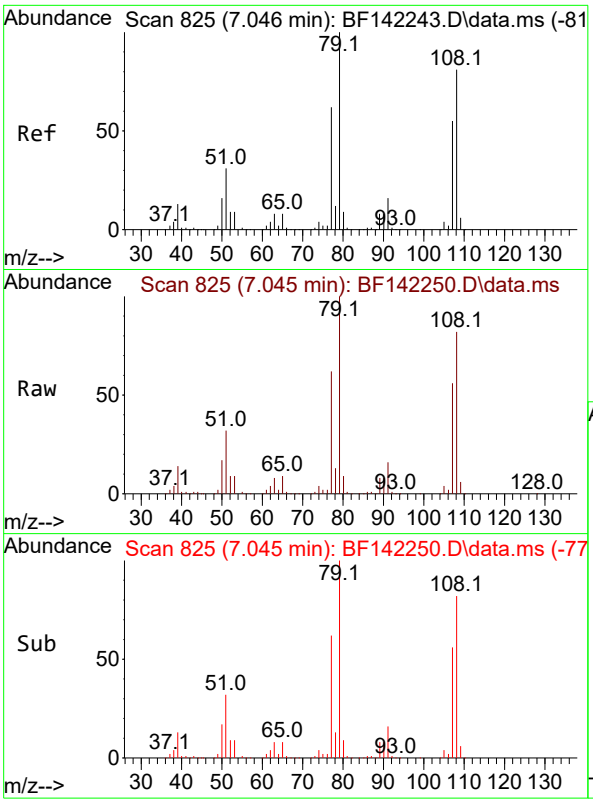


#14
1,2-Dichlorobenzene
Concen: 41.885 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:146 Resp: 550181

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	43.0	34.9	52.3





#15
Benzyl Alcohol
Concen: 41.095 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 79 Resp: 41118

Ion	Ratio	Lower	Upper
79	100		
108	81.7	64.5	96.7
77	62.1	49.2	73.8

Instrument :
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ClientSampleId :
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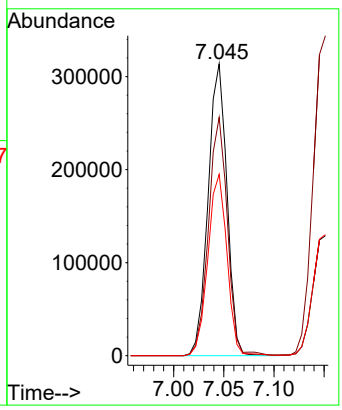
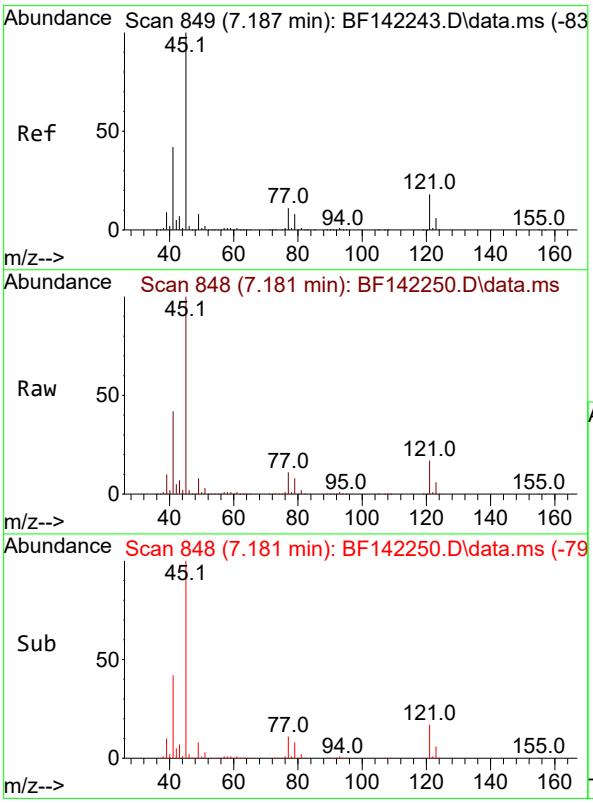
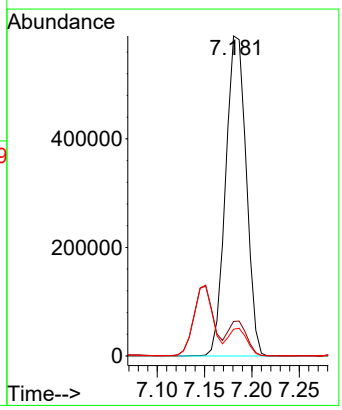


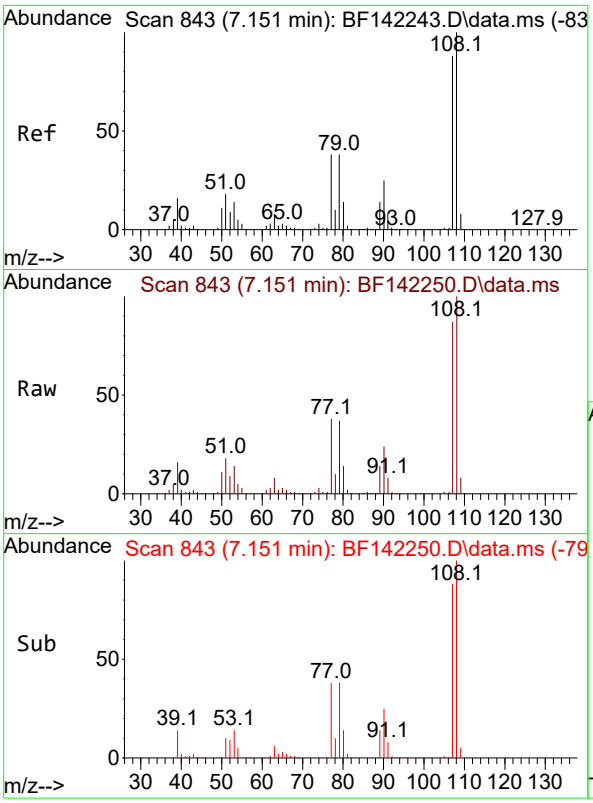


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.870 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 45 Resp: 889834

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.4	0.0	28.5

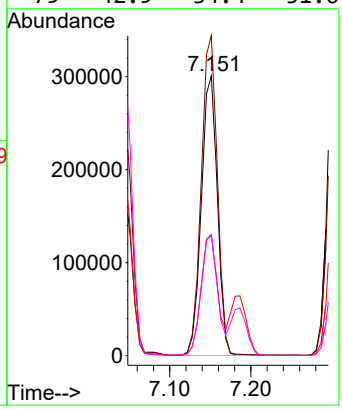




#17
2-Methylphenol
Concen: 41.610 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:107 Resp: 41149

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	43.3	34.4	51.6
79	42.9	34.4	51.6



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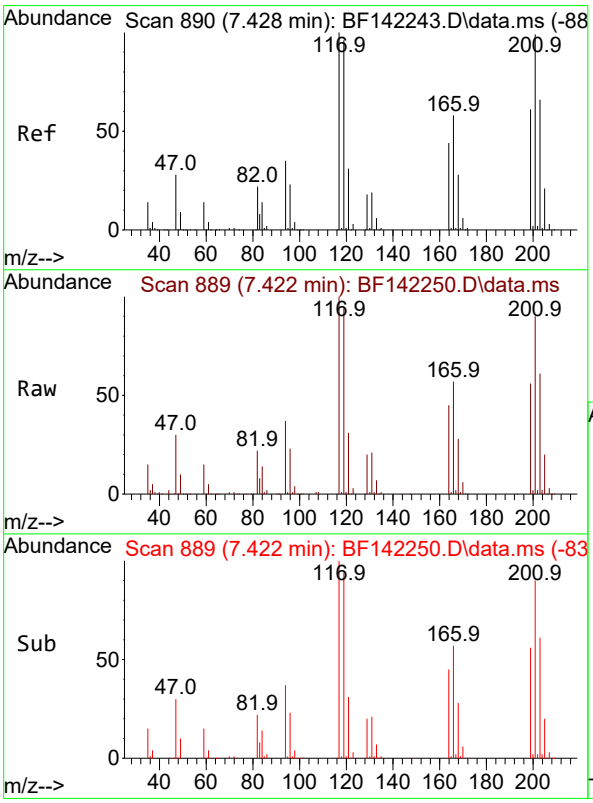
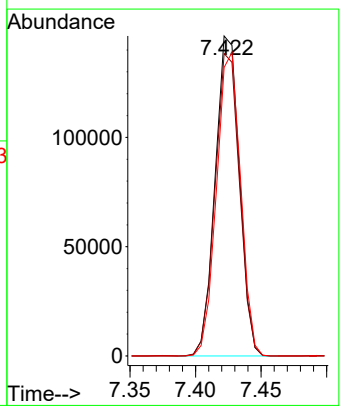
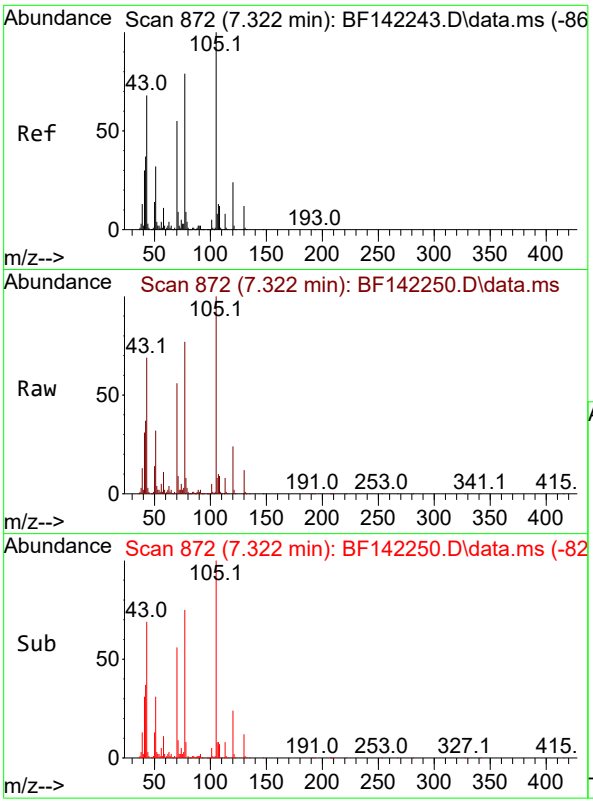


#18
Hexachloroethane
Concen: 41.867 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:117 Resp: 188542

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.1	115.7
201	90.2	79.4	119.2

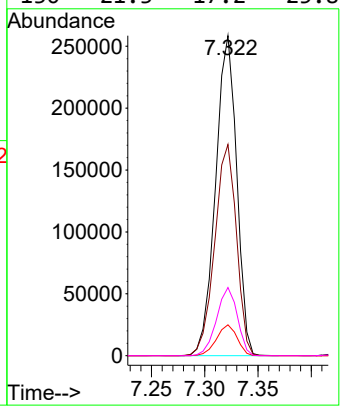




#19
n-Nitroso-di-n-propylamine
Concen: 40.842 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 70 Resp: 35604

Ion	Ratio	Lower	Upper
70	100		
42	66.0	53.4	80.2
101	9.7	7.7	11.5
130	21.3	17.2	25.8



Instrument :
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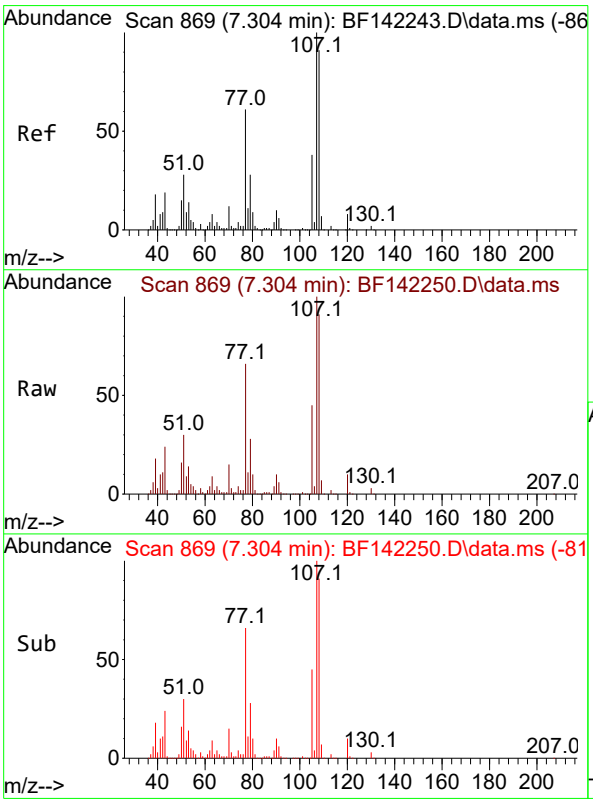
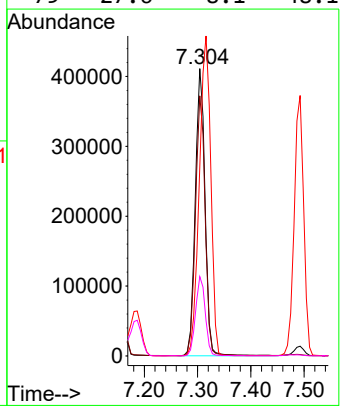
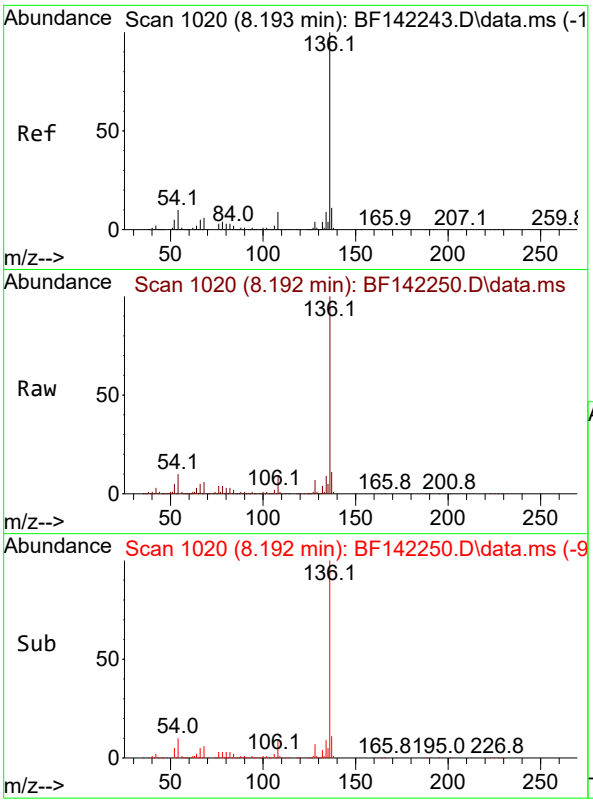


#20
3+4-Methylphenols
Concen: 42.351 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:107 Resp: 523765

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.2	111.2
77	65.8	41.1	81.1
79	27.6	8.1	48.1

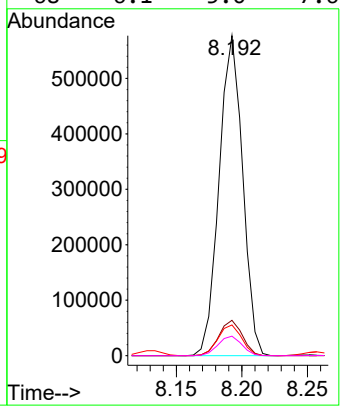




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:136 Resp: 71958(

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.6	7.7	11.5
68	6.1	5.0	7.6



Instrument :
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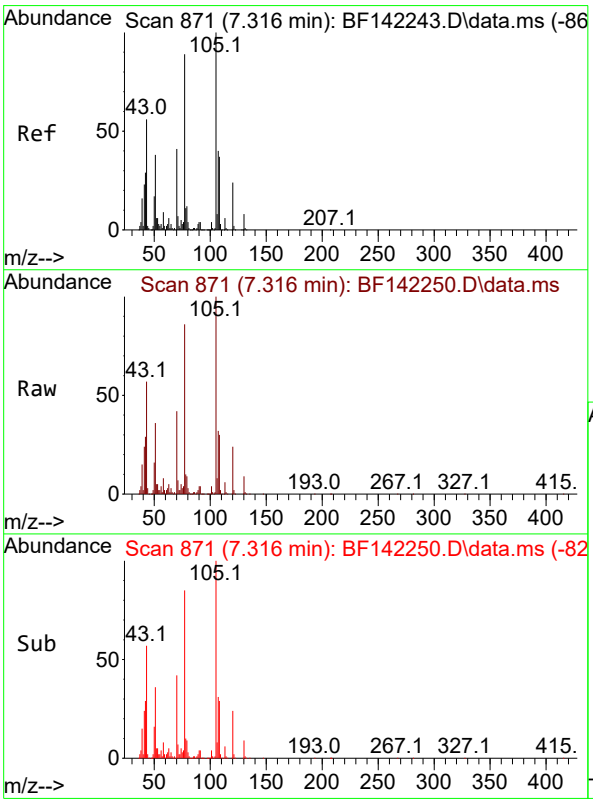
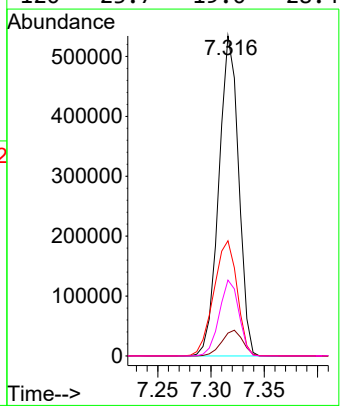
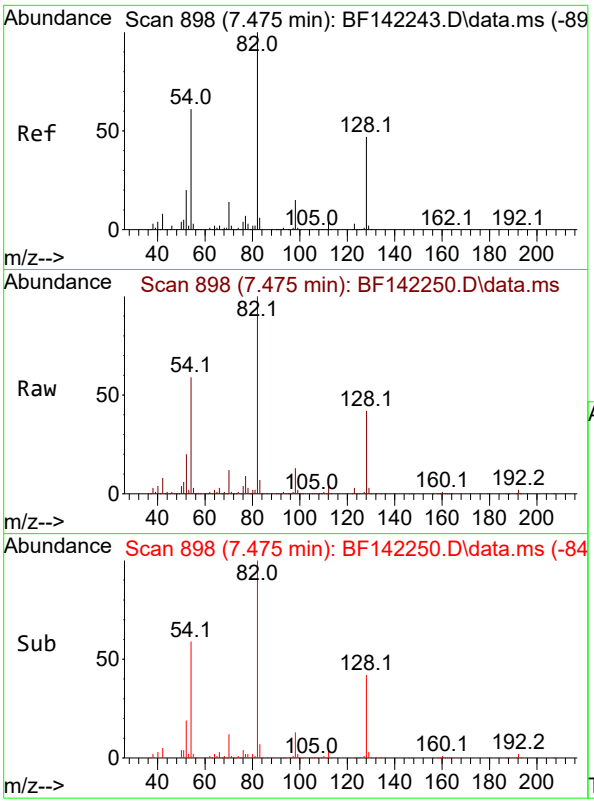


#22
Acetophenone
Concen: 41.462 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:105 Resp: 690233

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.7	8.5
51	36.0	30.1	45.1
120	23.7	19.0	28.4





#23
Nitrobenzene-d5
Concen: 87.469 ng
RT: 7.475 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 82 Resp: 95805

Ion	Ratio	Lower	Upper
82	100		
128	42.5	37.0	55.6
54	59.1	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
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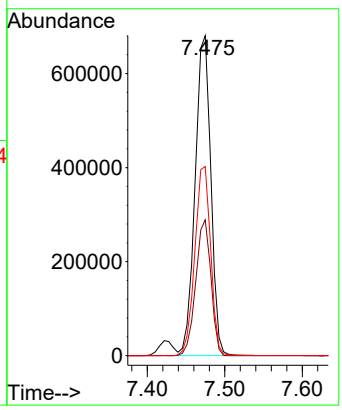
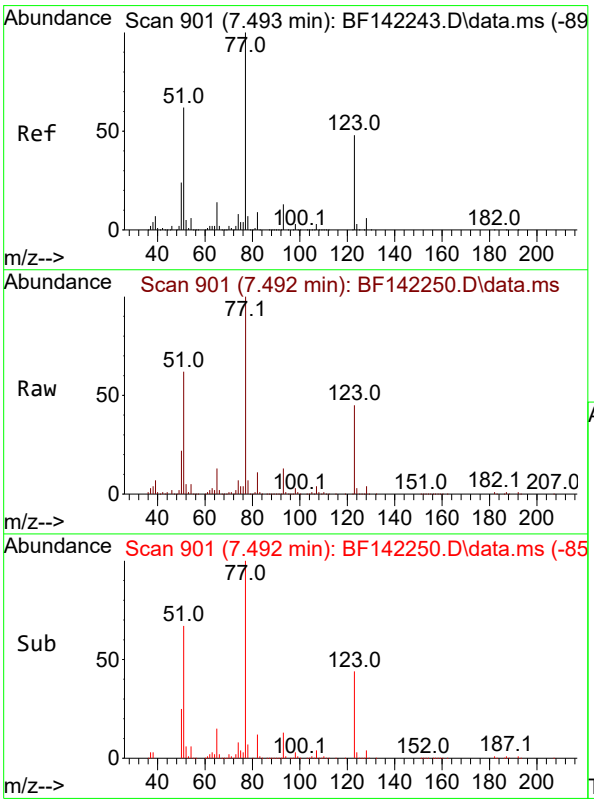
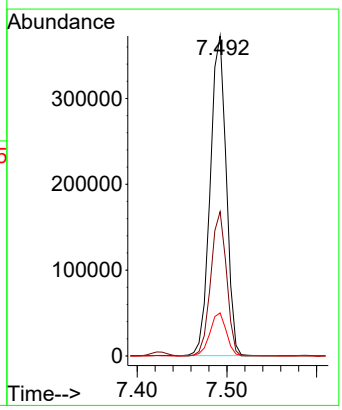


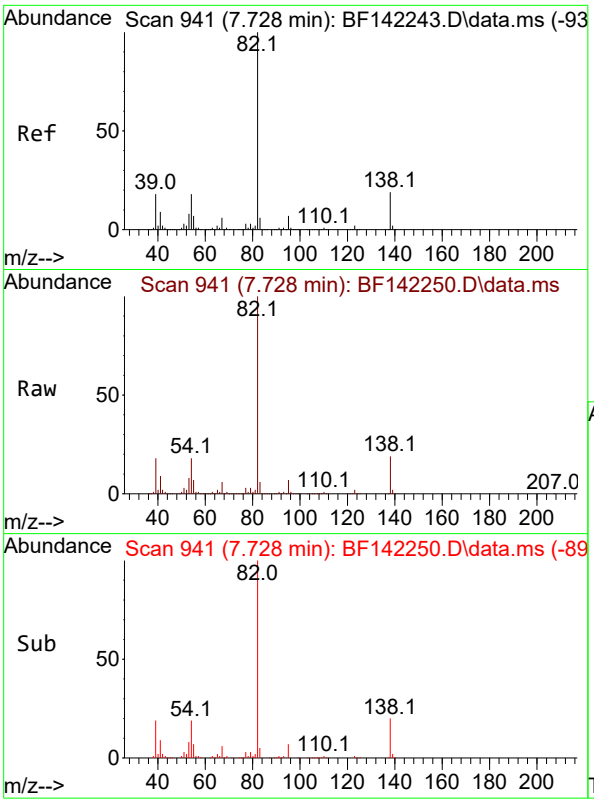


#24
Nitrobenzene
Concen: 42.902 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 77 Resp: 461069

Ion	Ratio	Lower	Upper
77	100		
123	45.1	38.6	58.0
65	13.5	11.5	17.3





#25
Isophorone
Concen: 42.059 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 82 Resp: 96681

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.2	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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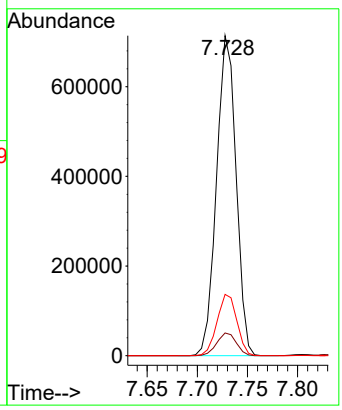
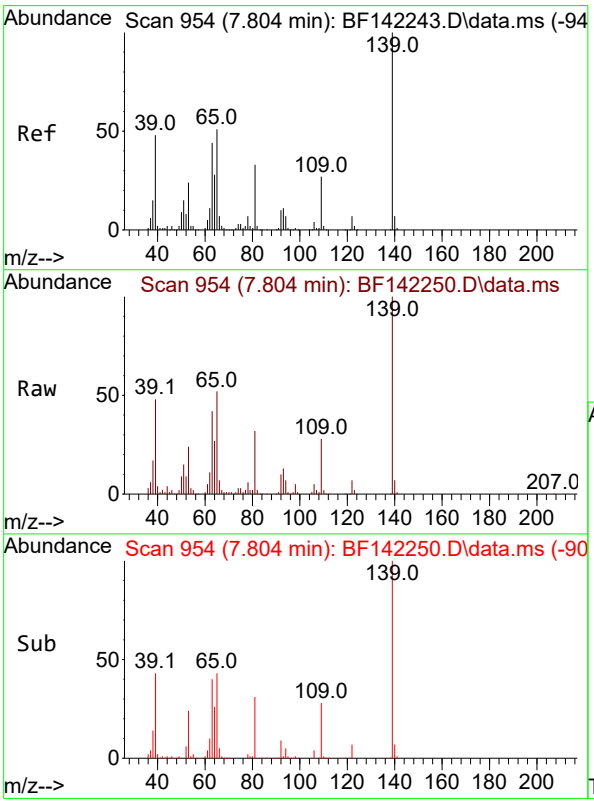
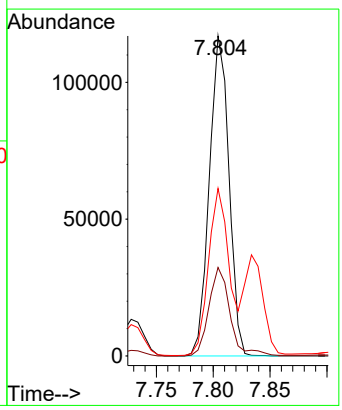


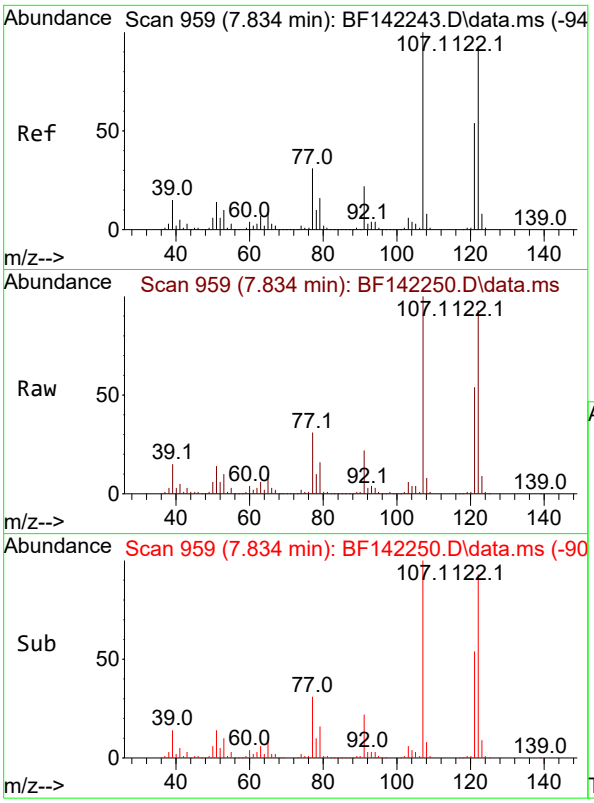


#26
2-Nitrophenol
Concen: 34.044 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:139 Resp: 140561

Ion	Ratio	Lower	Upper
139	100		
109	27.7	21.8	32.8
65	52.3	41.1	61.7

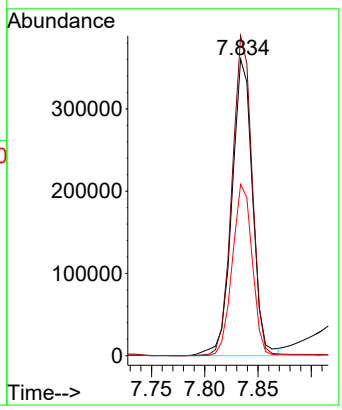




#27
2,4-Dimethylphenol
Concen: 41.898 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:122 Resp: 48559

Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.0	129.0
121	57.8	46.3	69.5



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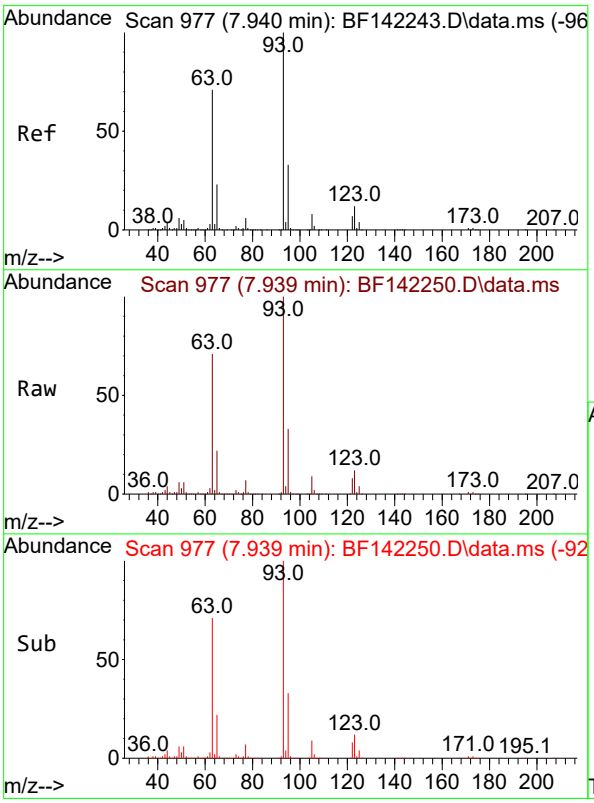
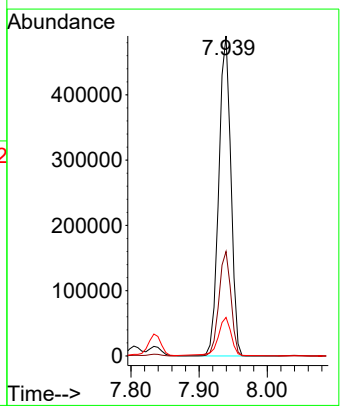
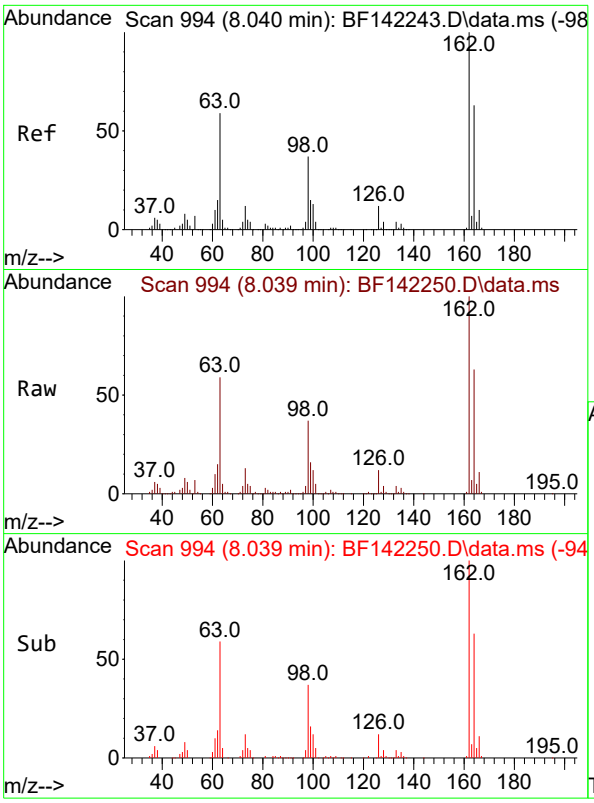


#28
bis(2-Chloroethoxy)methane
Concen: 41.820 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 93 Resp: 606286

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.0	9.7	14.5

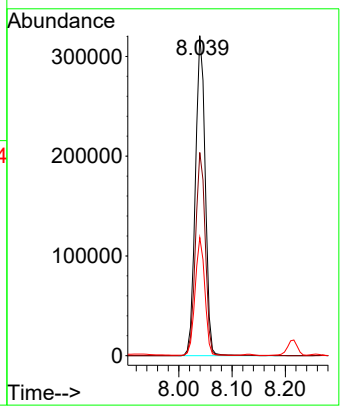




#29
2,4-Dichlorophenol
Concen: 42.280 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:162 Resp: 40968

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.0	83.0
98	36.9	16.7	56.7



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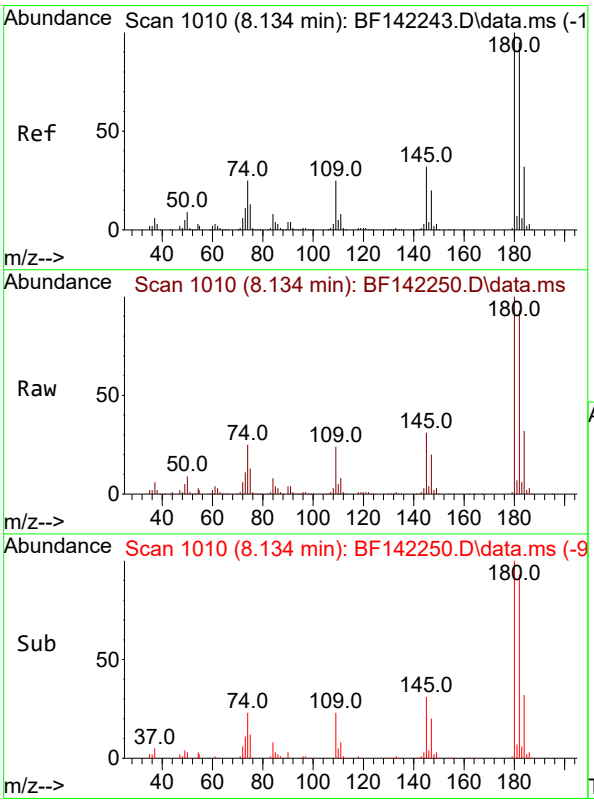
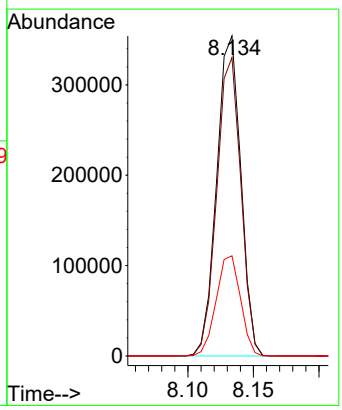
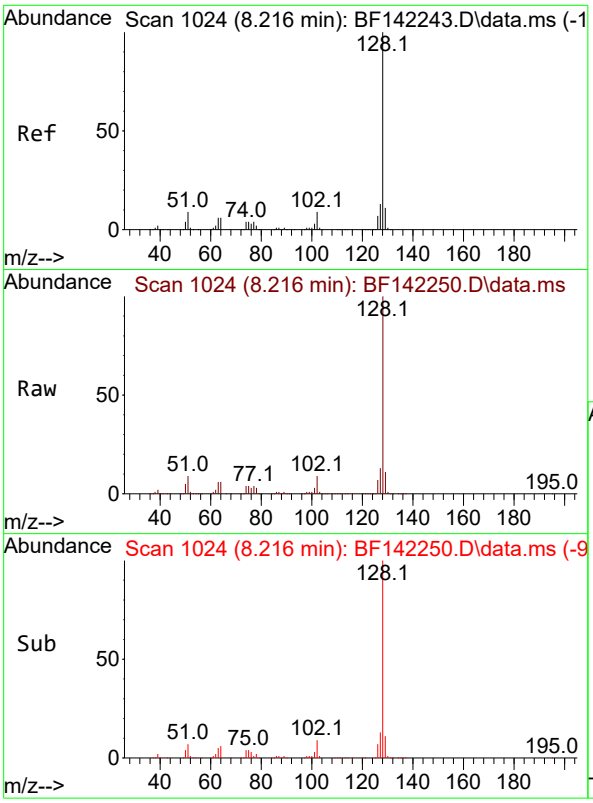


#30
1,2,4-Trichlorobenzene
Concen: 41.910 ng
RT: 8.134 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:180 Resp: 453172

Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.7	113.5
145	31.3	25.4	38.0

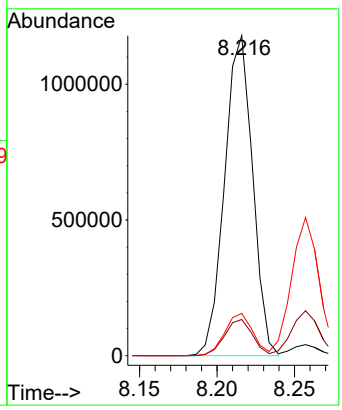




#31
Naphthalene
Concen: 41.304 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:128 Resp: 148223

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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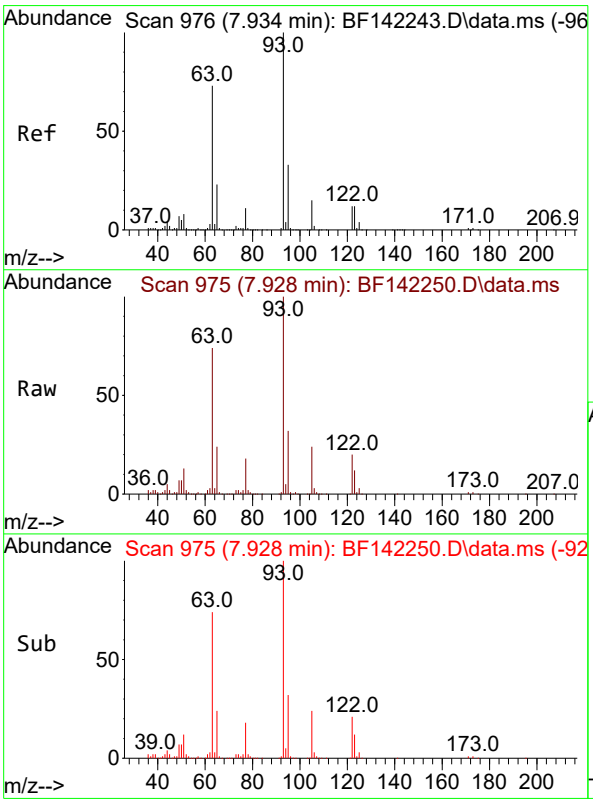
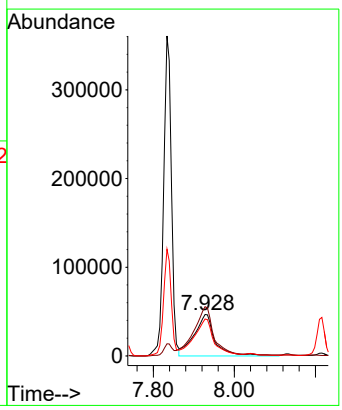
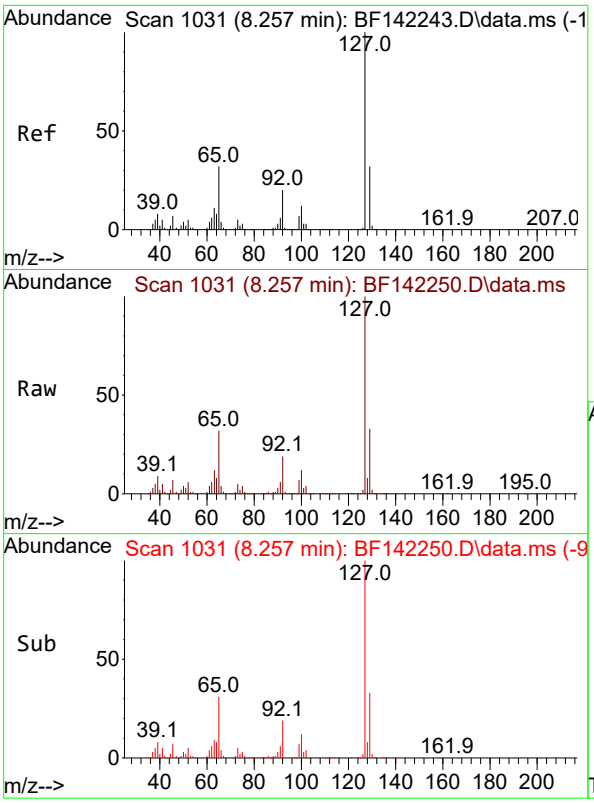


#32
Benzoic acid
Concen: 34.514 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:122 Resp: 168727

Ion	Ratio	Lower	Upper
122	100		
105	118.8	98.2	138.2
77	89.1	66.8	106.8

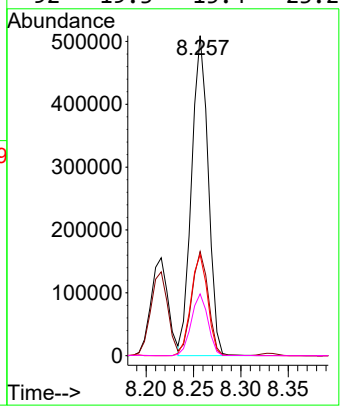




#33
4-Chloroaniline
Concen: 41.683 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:127 Resp: 62288

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.6	25.5	38.3
92	19.3	15.4	23.2



Instrument :
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ClientSampleId :
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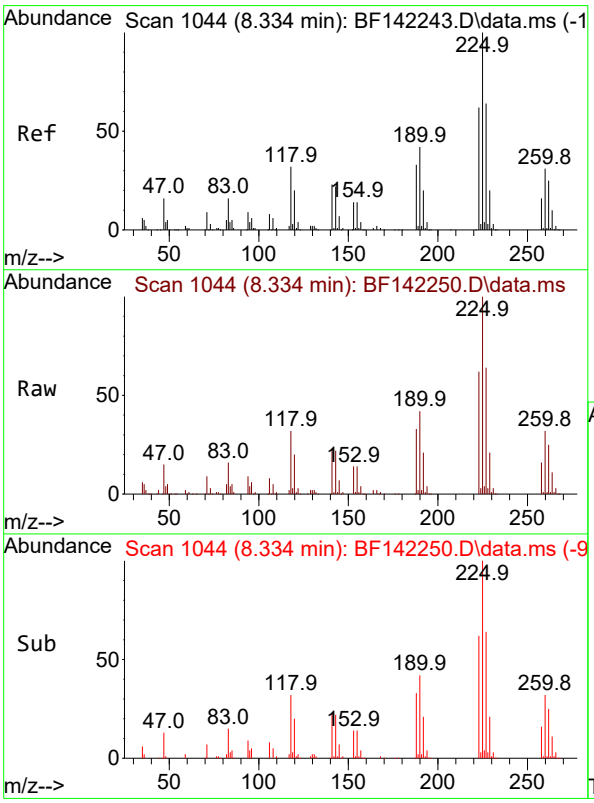
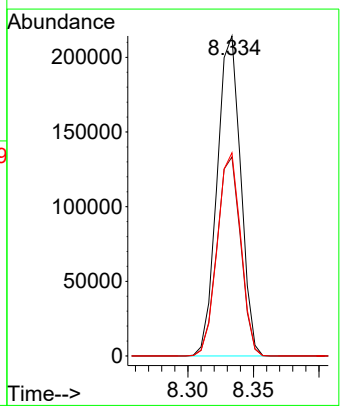
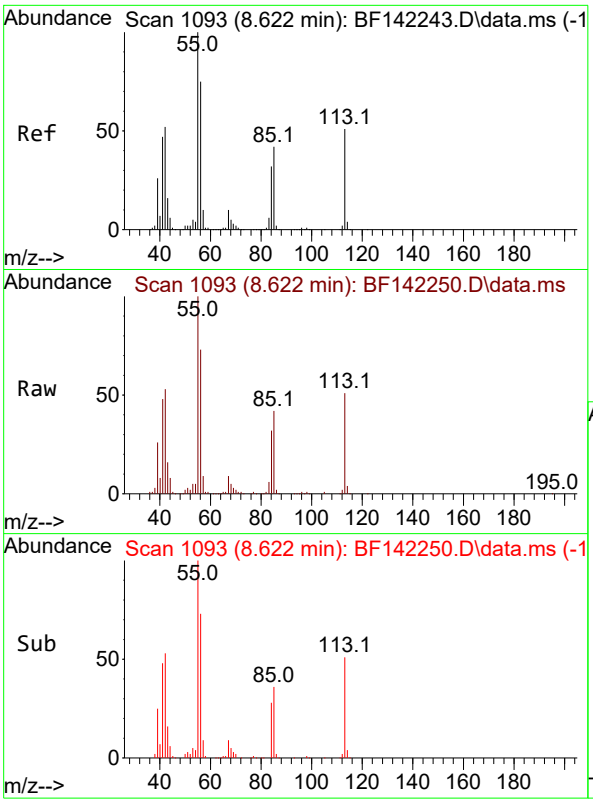


#34
Hexachlorobutadiene
Concen: 42.382 ng
RT: 8.334 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:225 Resp: 267370

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.7	74.5
227	63.5	51.0	76.4

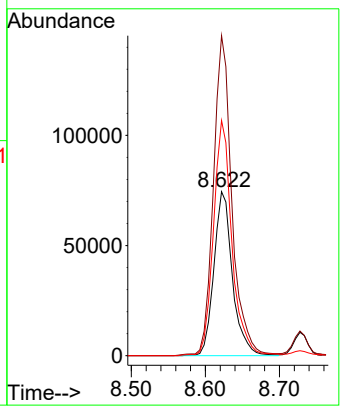




#35
Caprolactam
Concen: 44.410 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:113 Resp: 12934

Ion	Ratio	Lower	Upper
113	100		
55	195.1	177.7	217.7
56	143.4	127.1	167.1



Instrument :
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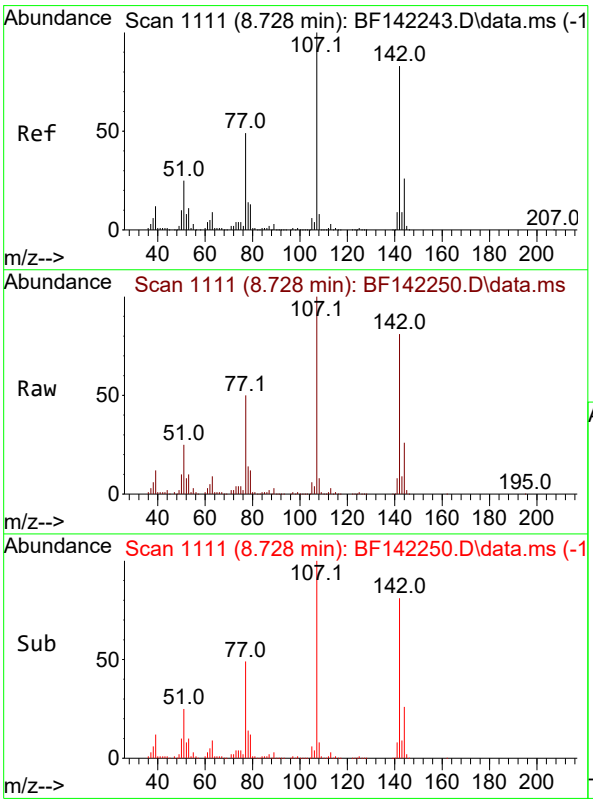
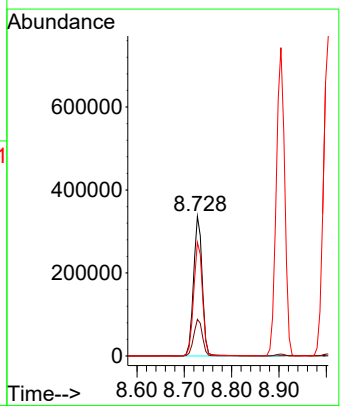
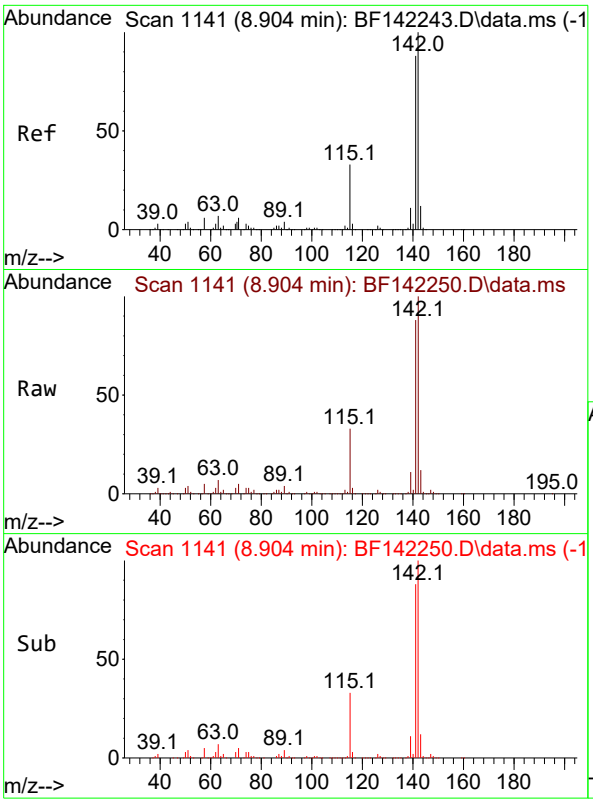


#36
4-Chloro-3-methylphenol
Concen: 43.337 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:107 Resp: 431195

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.0	31.4
142	81.4	66.1	99.1





#37
2-Methylnaphthalene
Concen: 41.414 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:142 Resp: 91376

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.5	105.7

Instrument :
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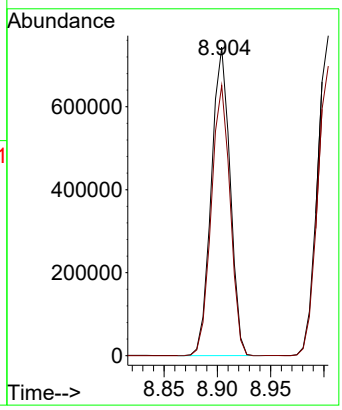
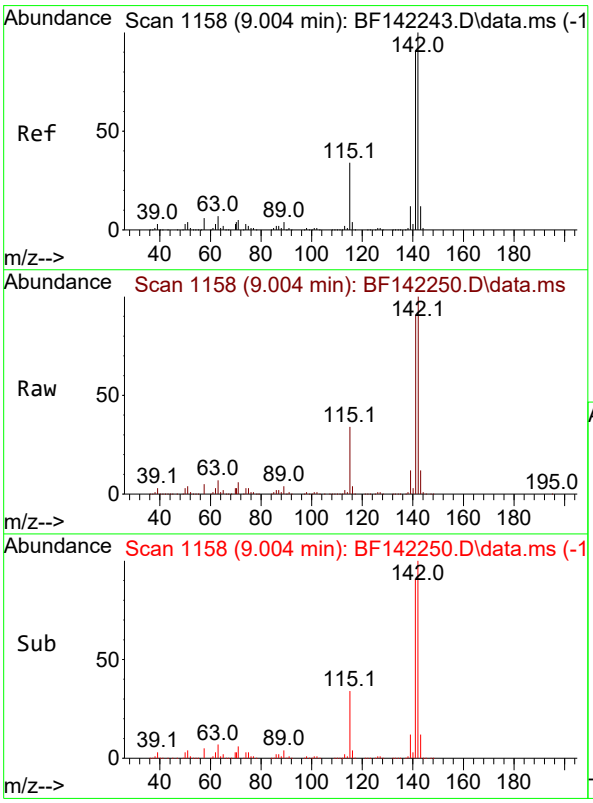
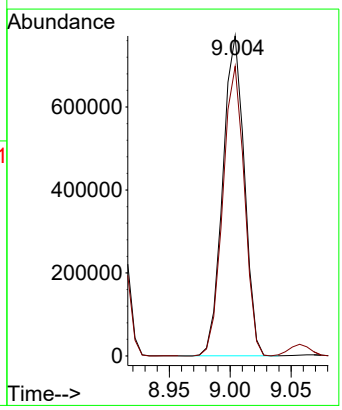


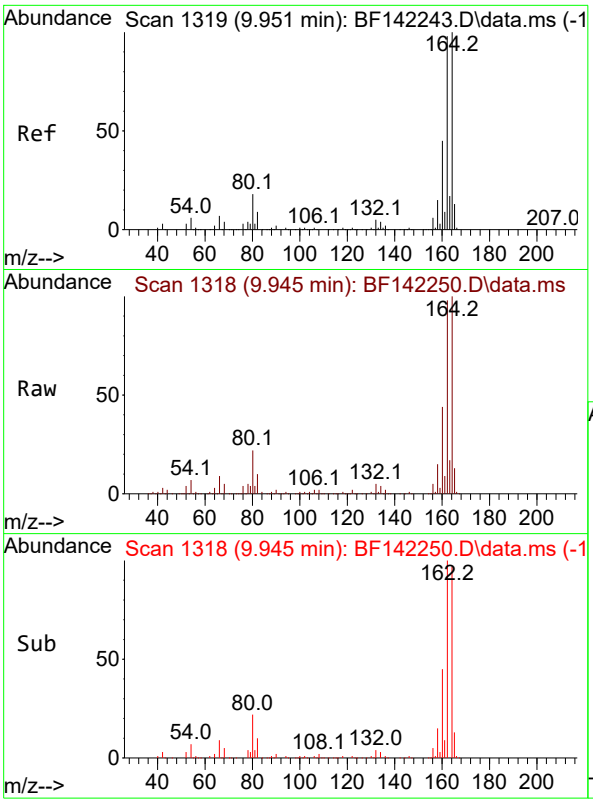


#38
1-Methylnaphthalene
Concen: 41.597 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:142 Resp: 950787

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.8	109.2

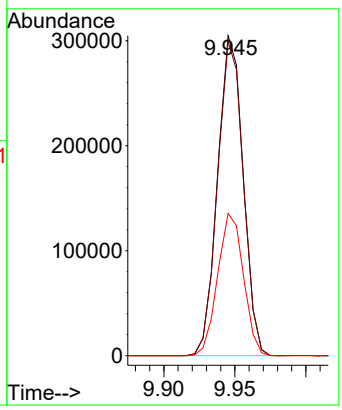




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:164 Resp: 38119

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.5	35.7	53.5



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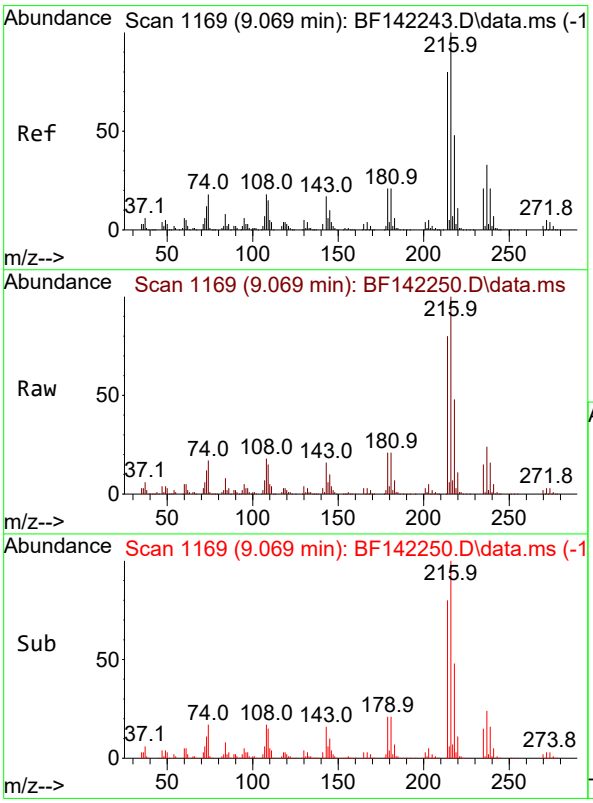
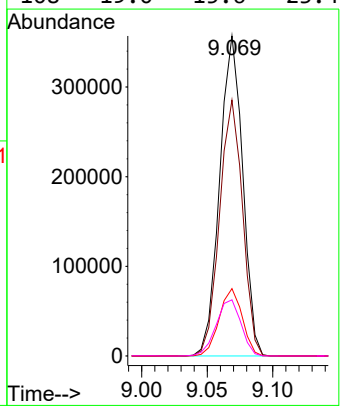
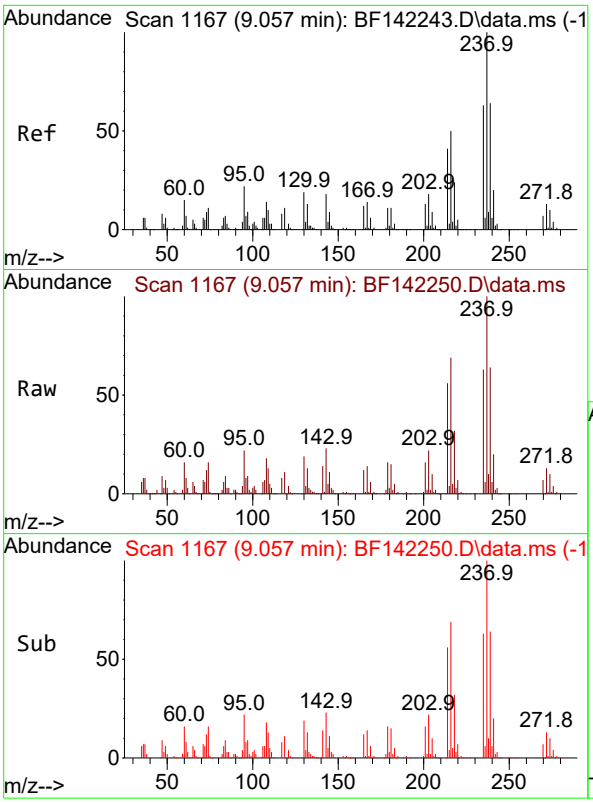


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.641 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:216 Resp: 435999

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.1	16.7	25.1
108	19.0	15.6	23.4

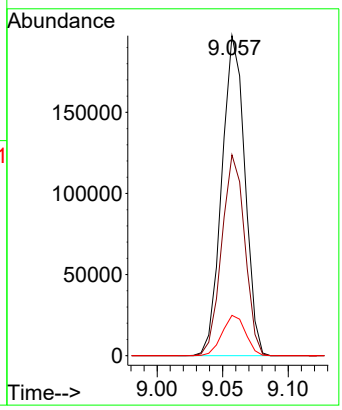




#41
Hexachlorocyclopentadiene
Concen: 39.605 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:237 Resp: 24114

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.5	83.5
272	12.6	0.0	32.9



Instrument :
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ClientSampleId :
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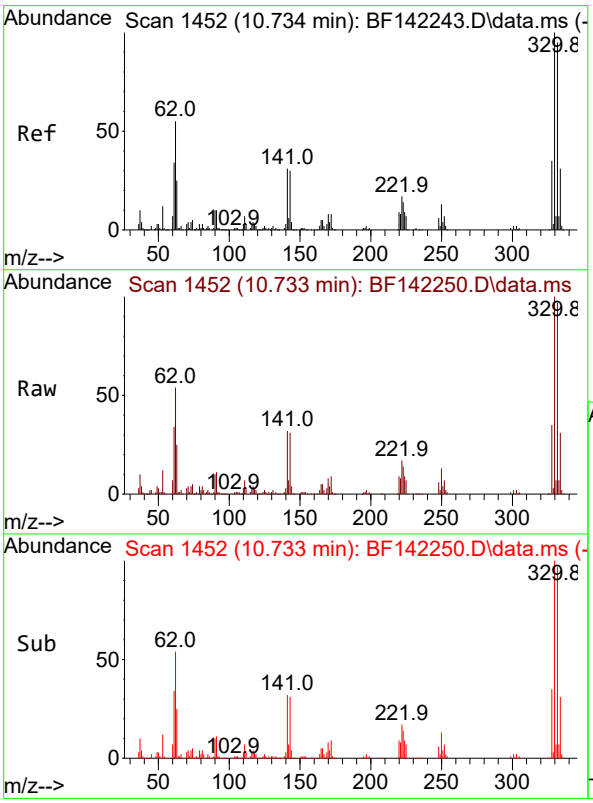
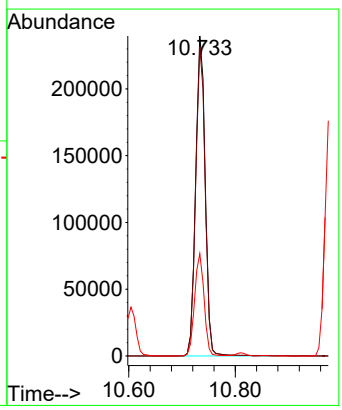
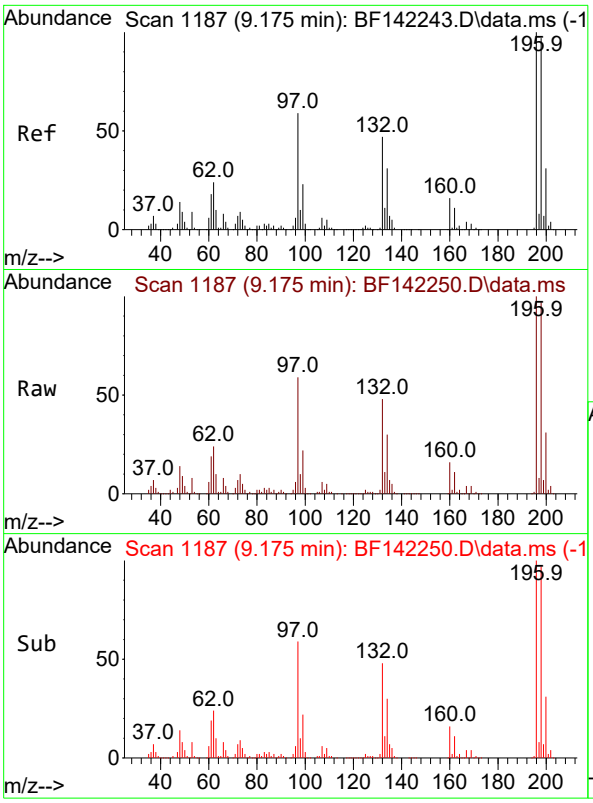


#42
2,4,6-Tribromophenol
Concen: 85.983 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:330 Resp: 298805

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.5	114.7
141	31.9	24.3	36.5

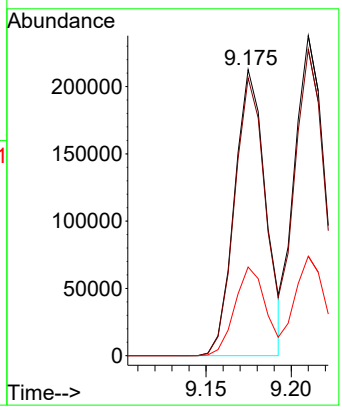




#43
2,4,6-Trichlorophenol
Concen: 40.551 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:196 Resp: 26957

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.4	116.2
200	31.0	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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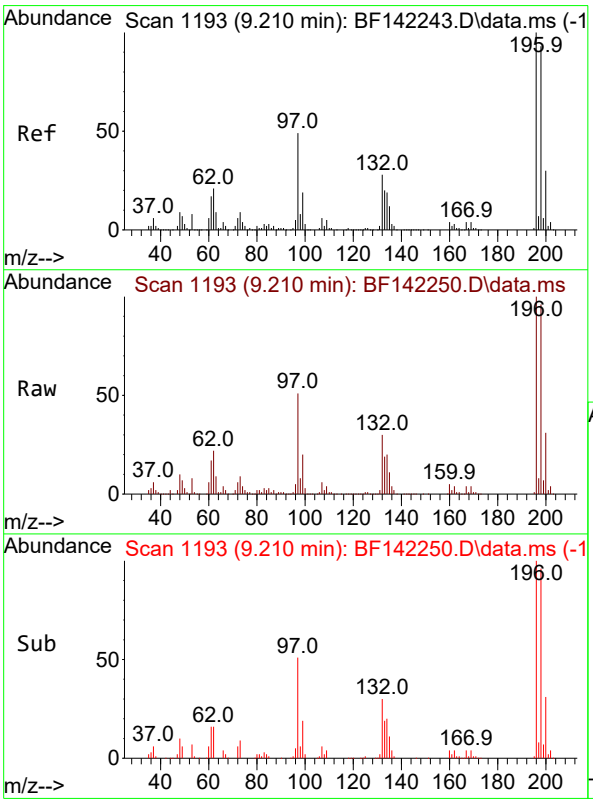
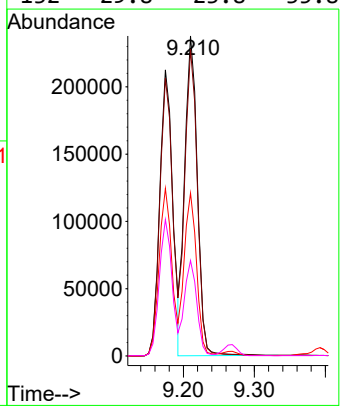
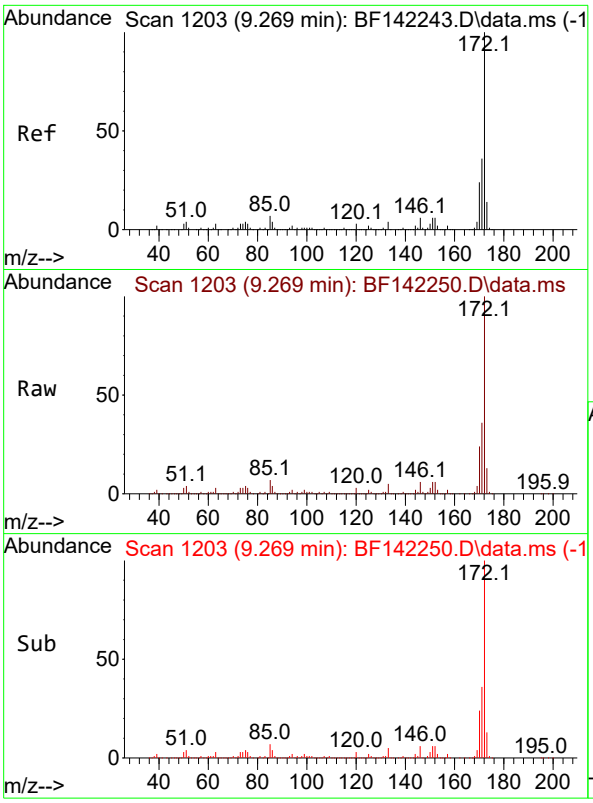


#44
2,4,5-Trichlorophenol
Concen: 42.108 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:196 Resp: 294308

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.2	112.8
97	50.9	39.8	59.8
132	29.8	23.8	35.8

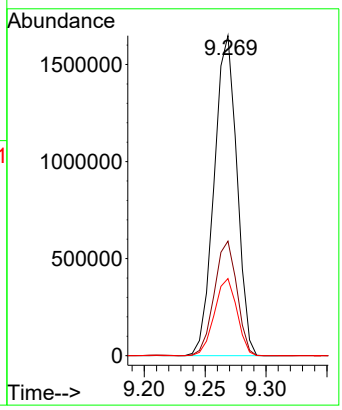




#45
2-Fluorobiphenyl
Concen: 79.446 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:172 Resp: 214791

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.1	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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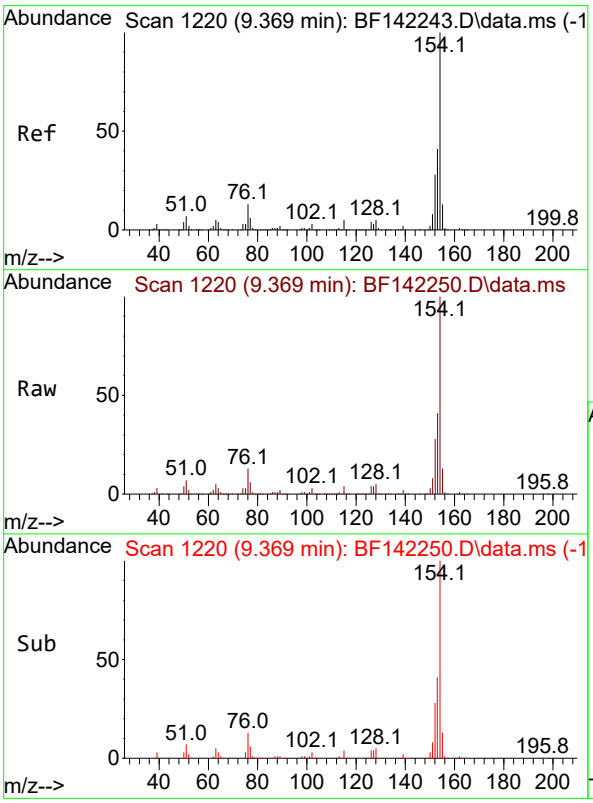
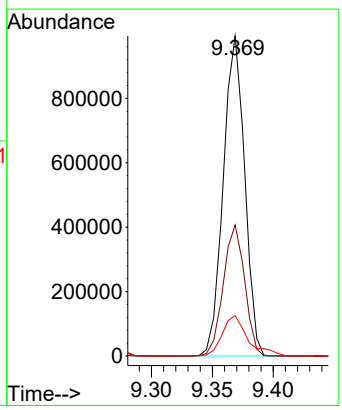
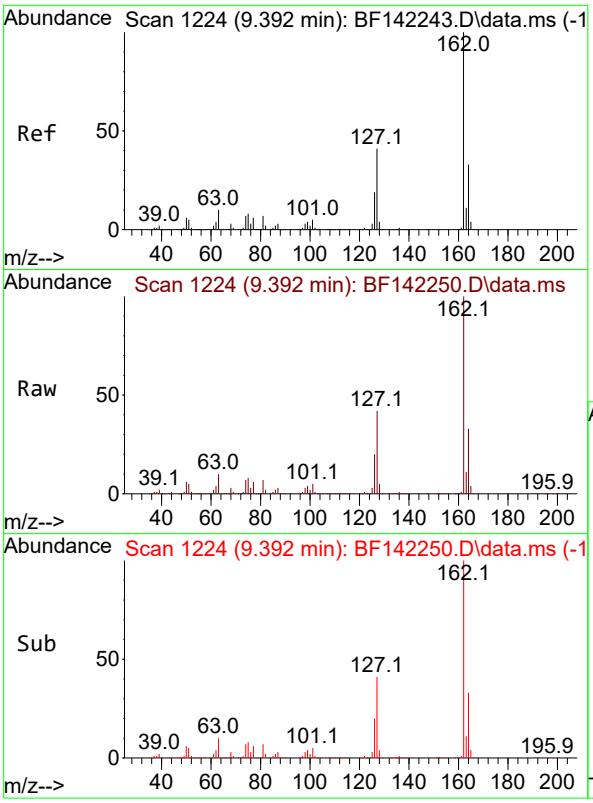


#46
1,1'-Biphenyl
Concen: 40.922 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:154 Resp: 1212716

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.5	60.5
76	12.6	0.0	32.8

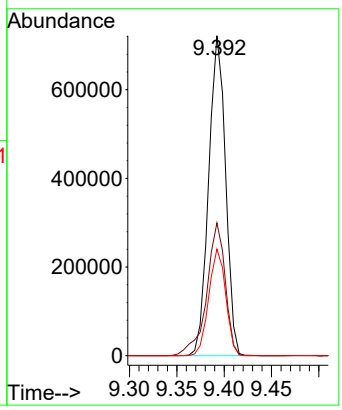




#47
2-Chloronaphthalene
Concen: 40.663 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:162 Resp: 89654

Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.6	49.0
164	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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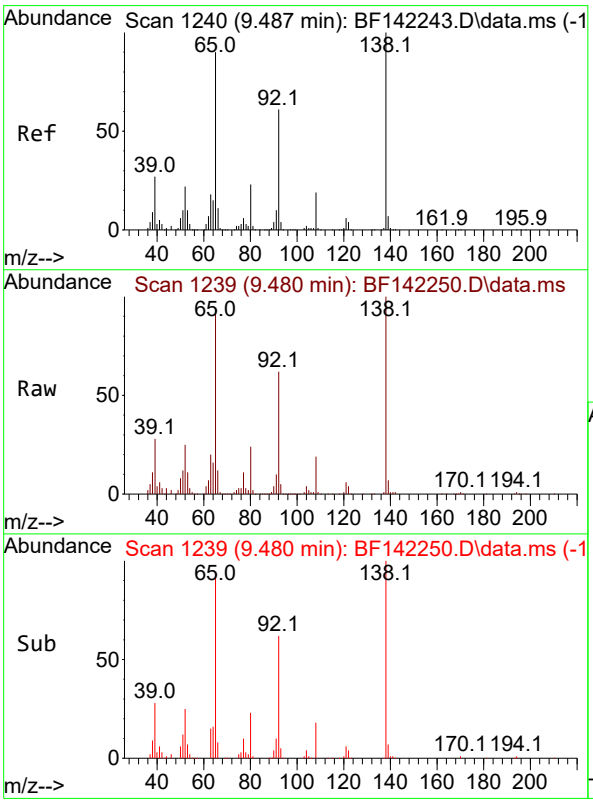
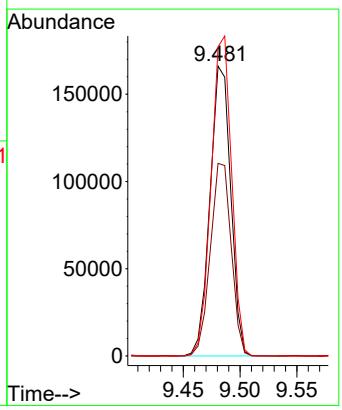
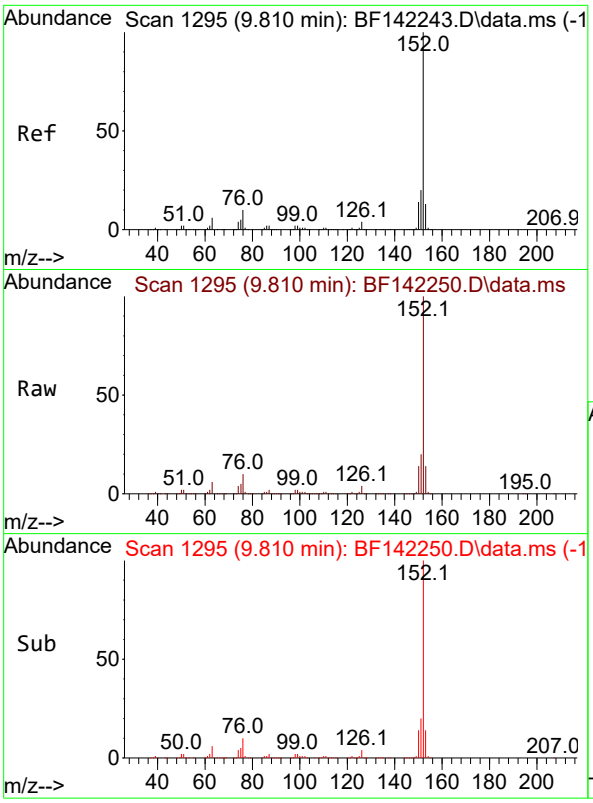


#48
2-Nitroaniline
Concen: 37.508 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.007 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 65 Resp: 211351

Ion	Ratio	Lower	Upper
65	100		
92	66.4	54.3	81.5
138	106.6	88.6	133.0





#49
Acenaphthylene
Concen: 40.906 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:152 Resp: 152194

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.5	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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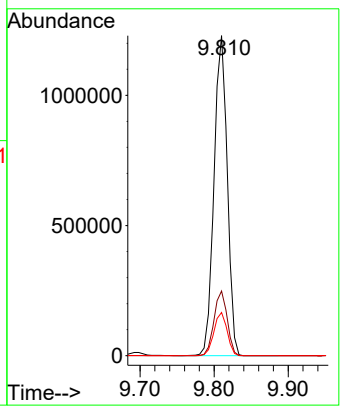
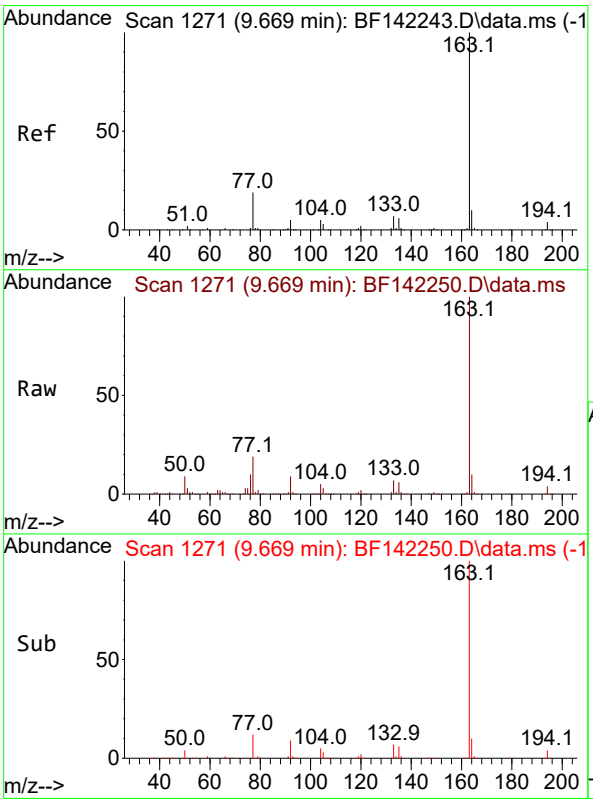
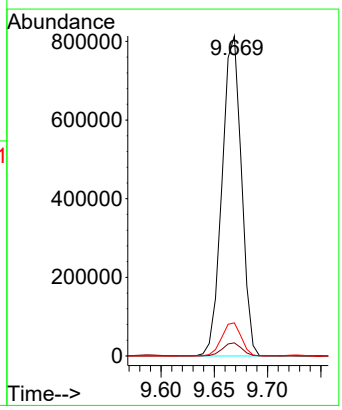


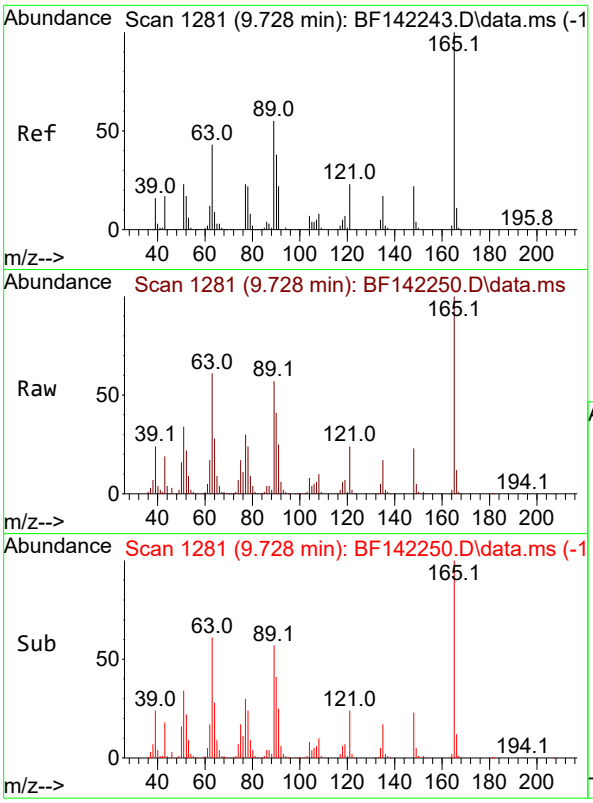


#50
Dimethylphthalate
Concen: 42.093 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:163 Resp: 1026519

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.4	8.2	12.2

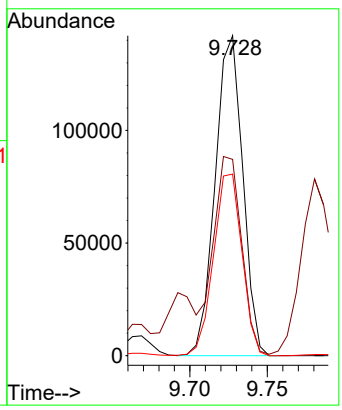




#51
2,6-Dinitrotoluene
Concen: 38.527 ng
RT: 9.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:165 Resp: 17615

Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.5	72.7
89	56.7	43.9	65.9



Instrument :
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ClientSampleId :
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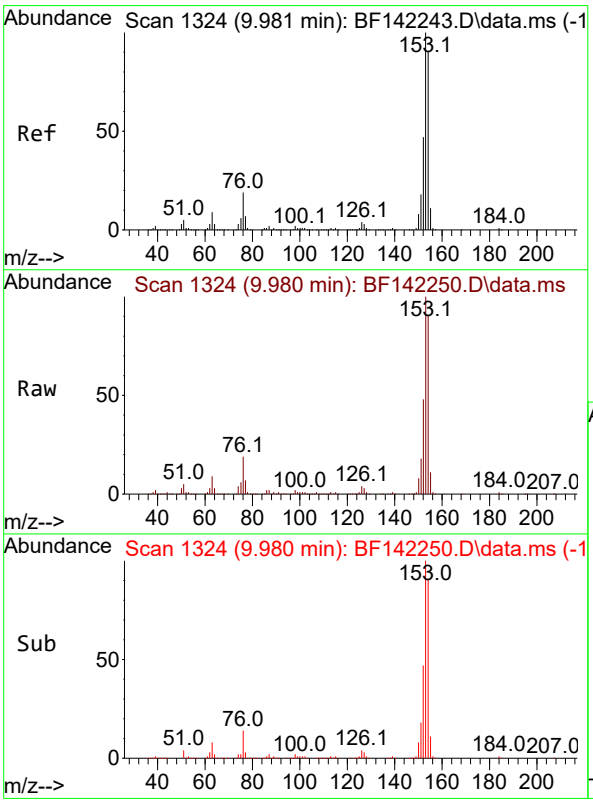
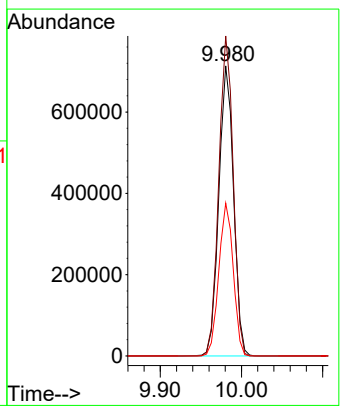
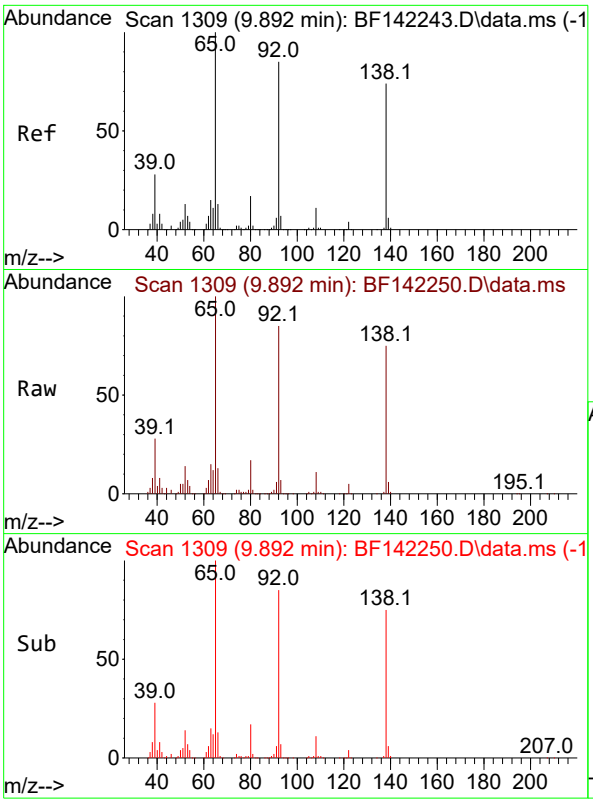


#52
Acenaphthene
Concen: 41.576 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:154 Resp: 903201

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.6	133.0
152	52.6	42.1	63.1

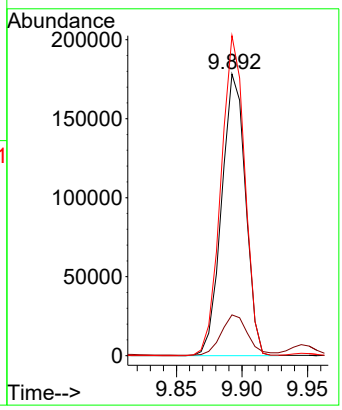




#53
3-Nitroaniline
Concen: 40.152 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:138 Resp: 22529

Ion	Ratio	Lower	Upper
138	100		
108	14.5	11.7	17.5
92	113.6	91.2	136.8



Instrument :
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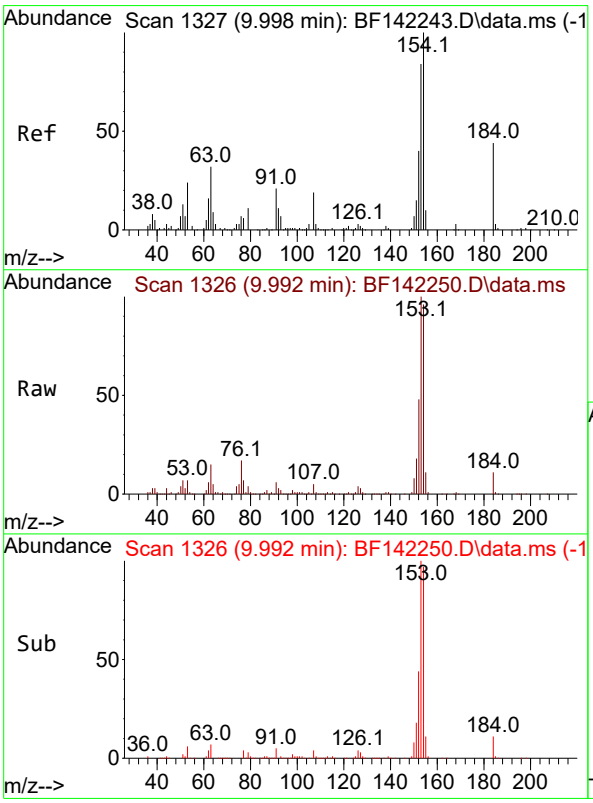
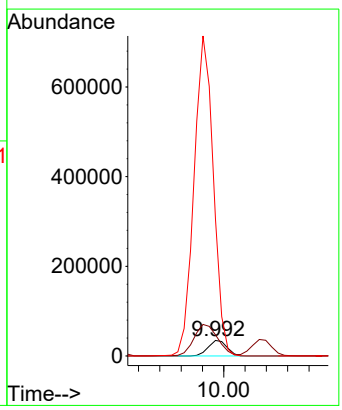
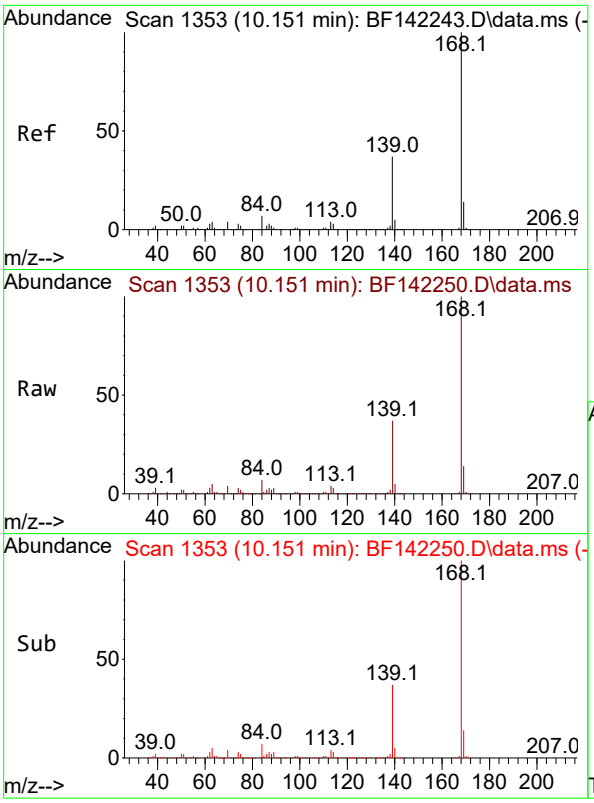


#54
2,4-Dinitrophenol
Concen: 37.926 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:184 Resp: 42525

Ion	Ratio	Lower	Upper
184	100		
63	136.6	69.2	103.8#
154	883.4	271.4	407.2#

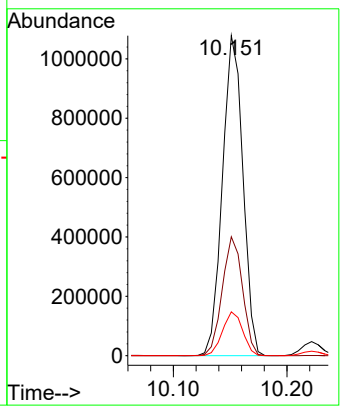




#55
Dibenzofuran
Concen: 41.484 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:168 Resp: 135091

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.4	44.0
169	13.7	11.0	16.4



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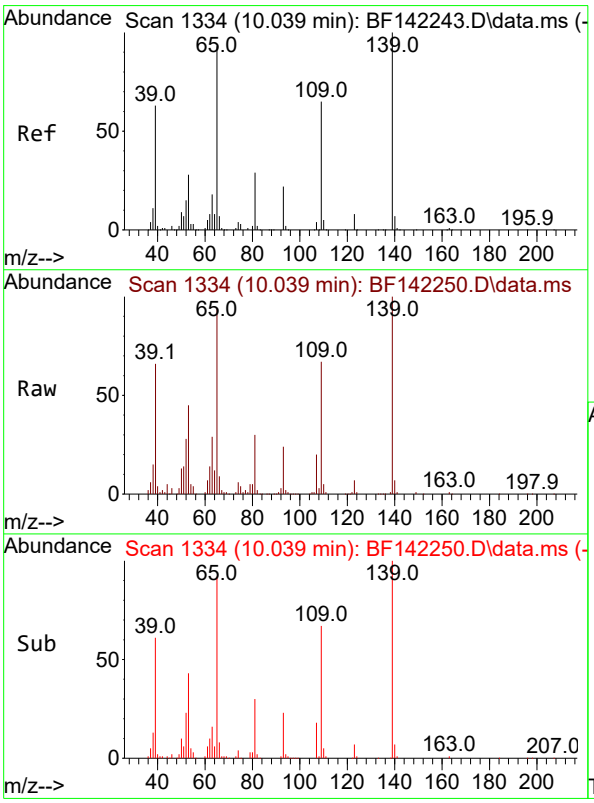
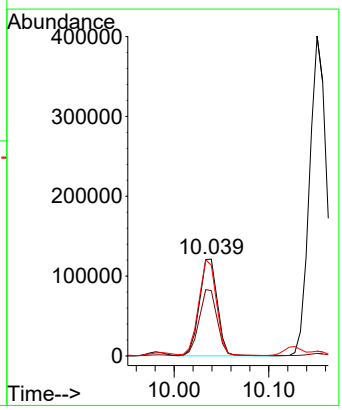
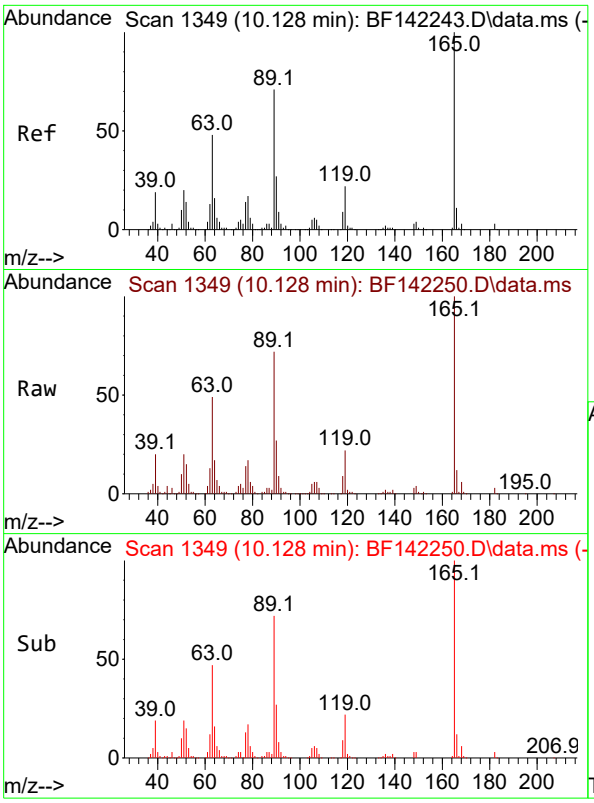


#56
4-Nitrophenol
Concen: 41.706 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:139 Resp: 159868

Ion	Ratio	Lower	Upper
139	100		
109	67.4	44.9	84.9
65	93.9	74.7	114.7

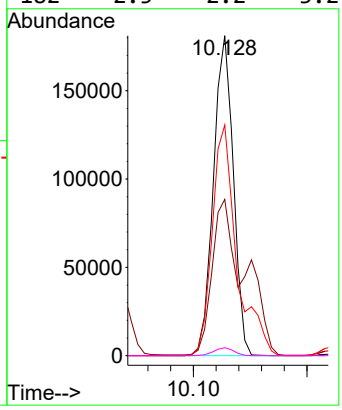




#57
2,4-Dinitrotoluene
Concen: 39.850 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:165 Resp: 22024

Ion	Ratio	Lower	Upper
165	100		
63	48.8	38.8	58.2
89	72.1	57.1	85.7
182	2.5	2.2	3.2



Instrument :
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ClientSampleId :
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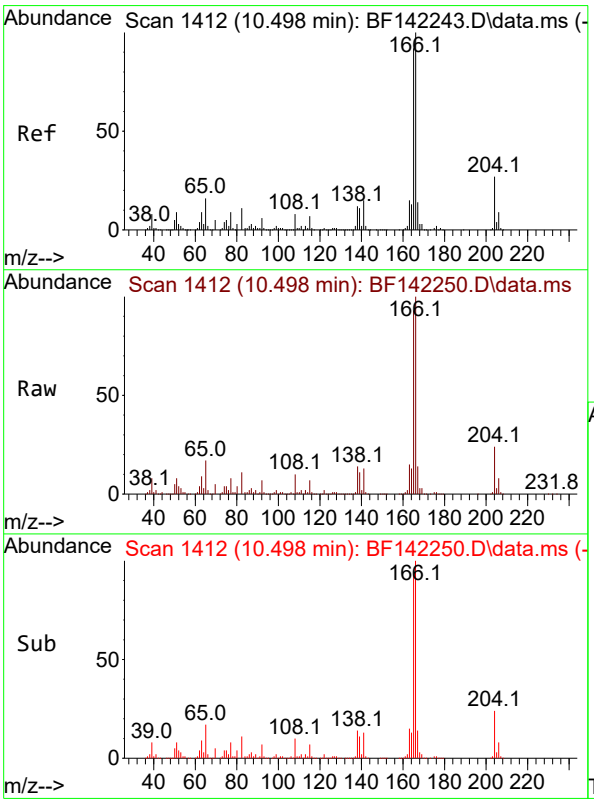
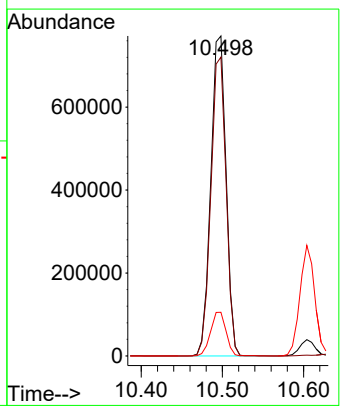
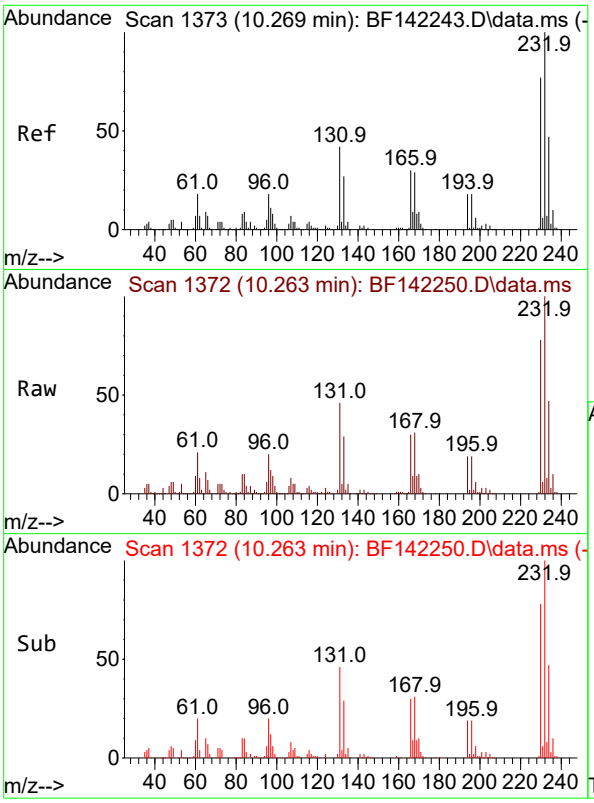


#58
Fluorene
Concen: 40.709 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:166 Resp: 1007989

Ion	Ratio	Lower	Upper
166	100		
165	93.4	73.9	110.9
167	13.7	10.8	16.2

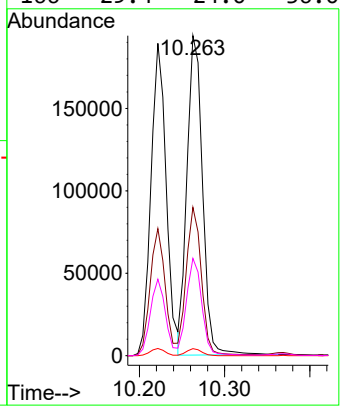




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.475 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:232 Resp: 24591

Ion	Ratio	Lower	Upper
232	100		
131	46.0	35.9	53.9
130	2.1	1.8	2.6
166	29.4	24.0	36.0



Instrument :
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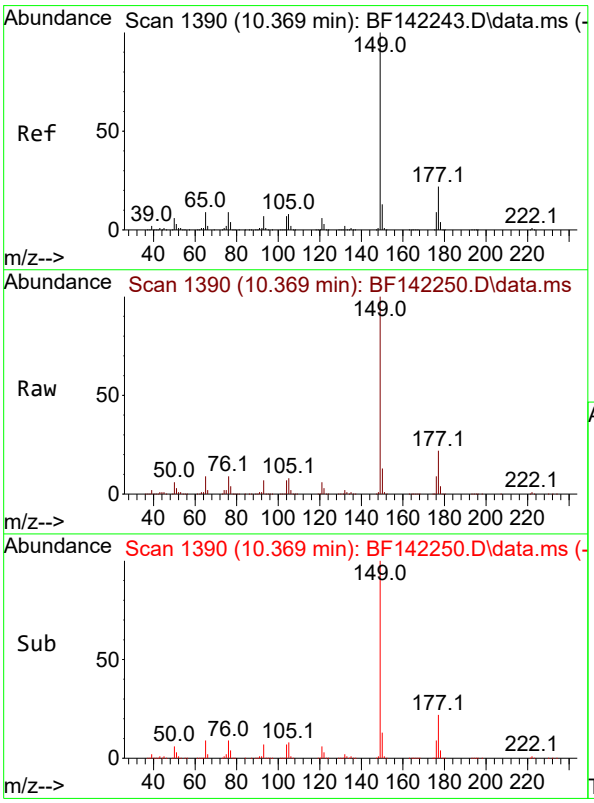
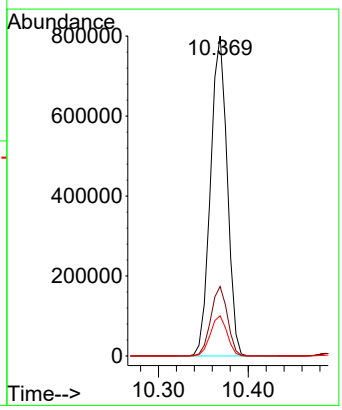
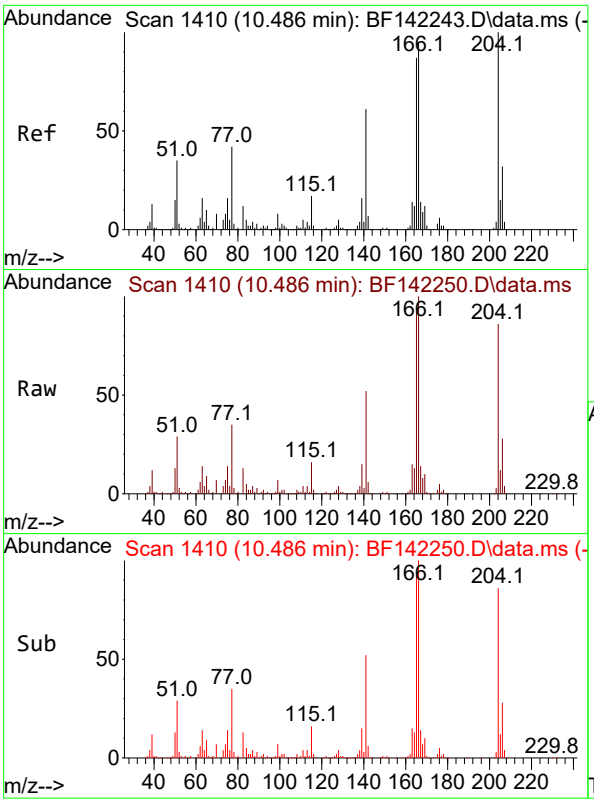


#60
Diethylphthalate
Concen: 42.799 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 1030685

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.6	26.4
150	12.5	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 41.333 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 48603

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	60.4	48.9	73.3

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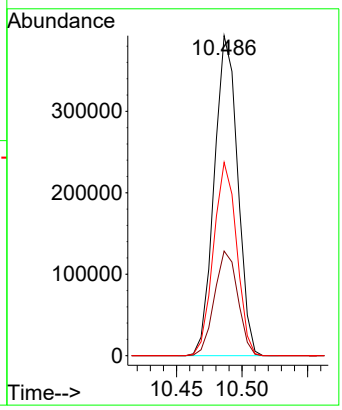
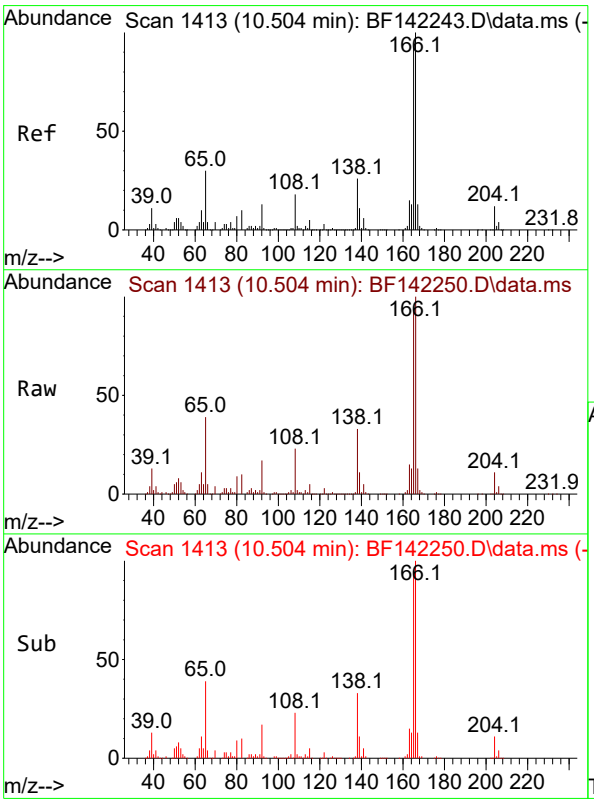
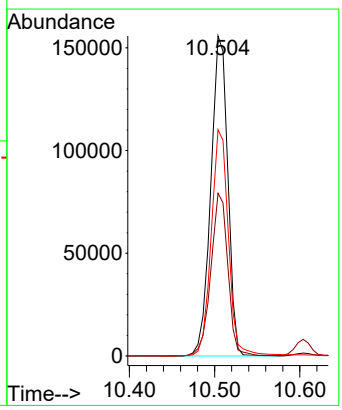


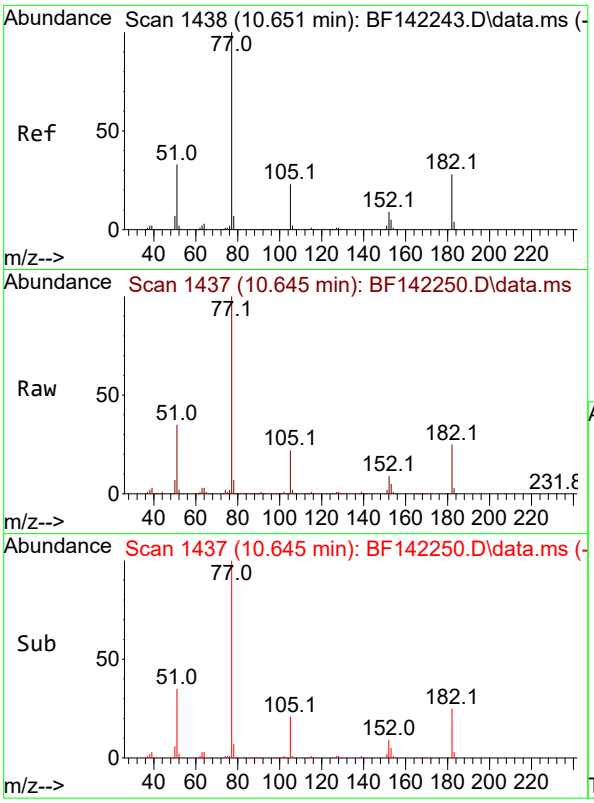


#62
4-Nitroaniline
Concen: 42.018 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:138 Resp: 215440

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.2	69.2
108	70.7	49.1	89.1

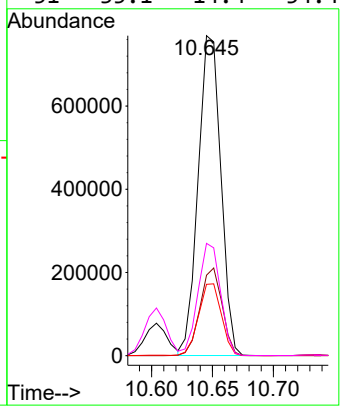




#63
Azobenzene
Concen: 41.895 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion: 77 Resp: 99629

Ion	Ratio	Lower	Upper
77	100		
182	25.2	7.3	47.3
105	22.3	2.5	42.5
51	35.1	14.4	54.4



Instrument :
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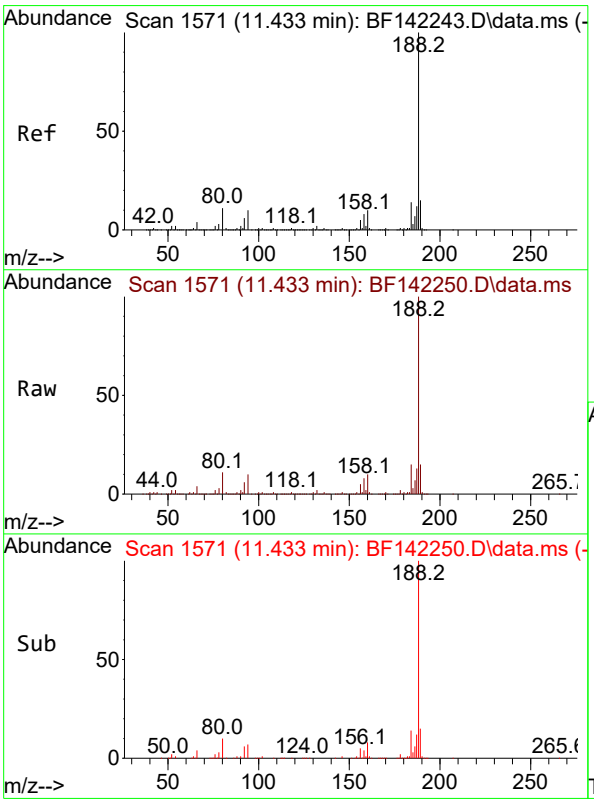
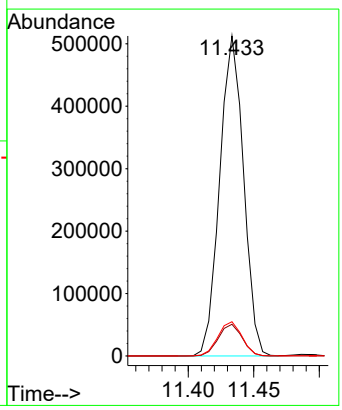
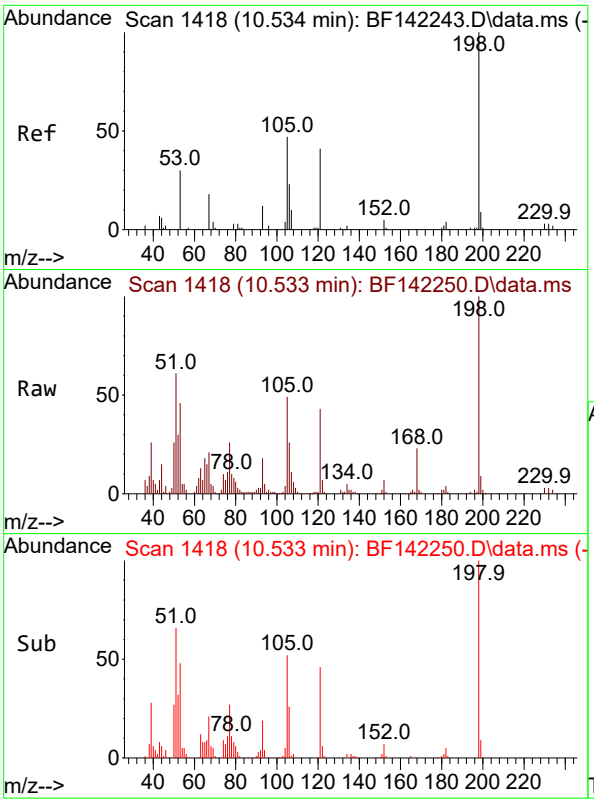


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:188 Resp: 647816

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.7	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 35.905 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.001 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:198 Resp: 6929

Ion	Ratio	Lower	Upper
198	100		
51	61.0	40.6	80.6
105	48.7	29.2	69.2

Instrument :
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ClientSampleId :
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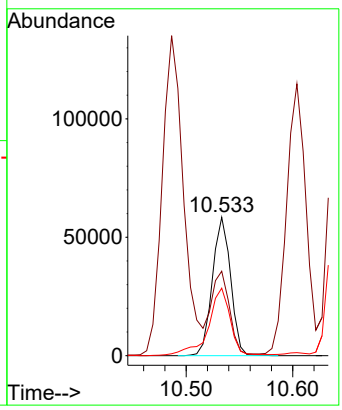
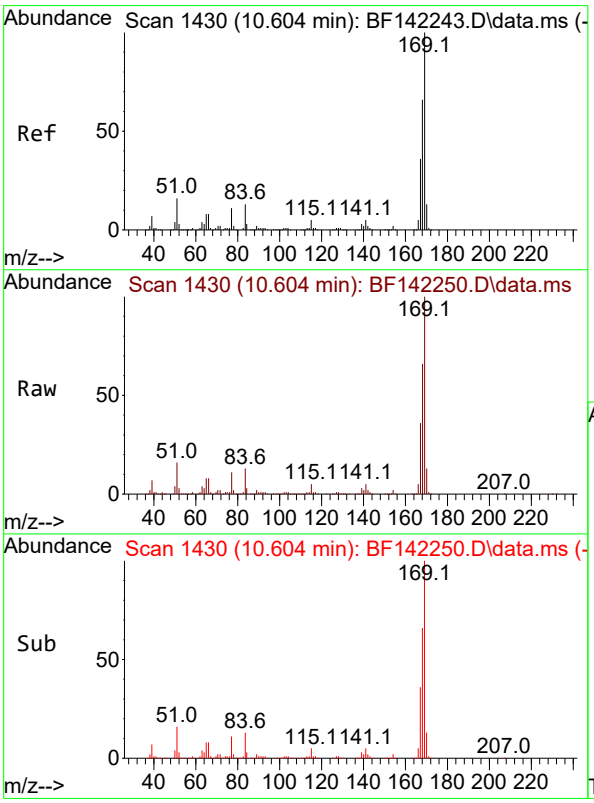
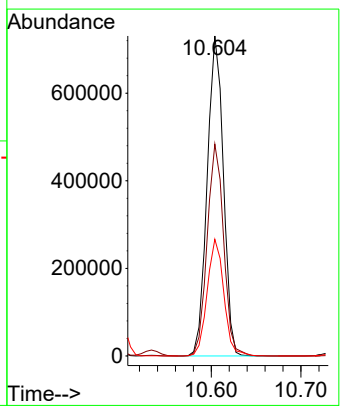


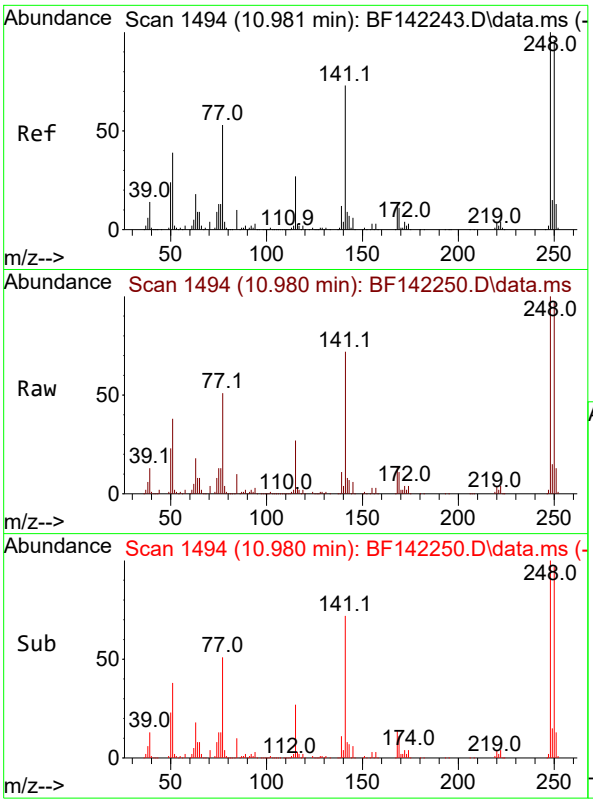


#66
n-Nitrosodiphenylamine
Concen: 41.322 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:169 Resp: 914630

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	36.5	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 42.258 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:248 Resp: 30487

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.2	115.8
141	71.7	58.4	87.6

Instrument :
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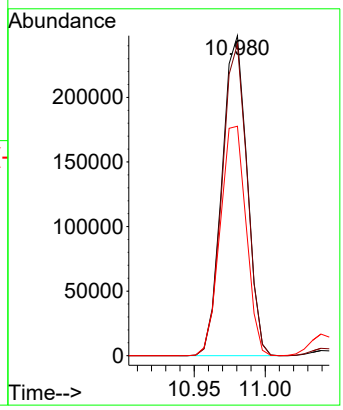
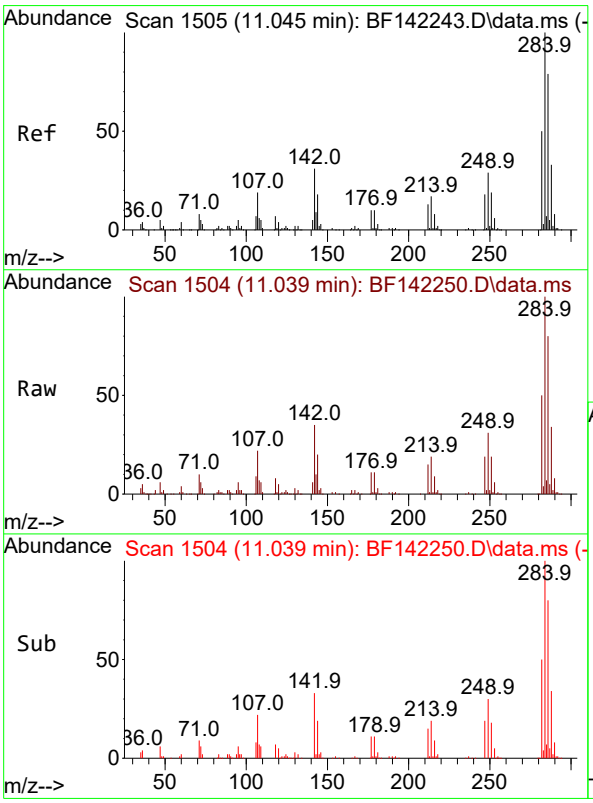
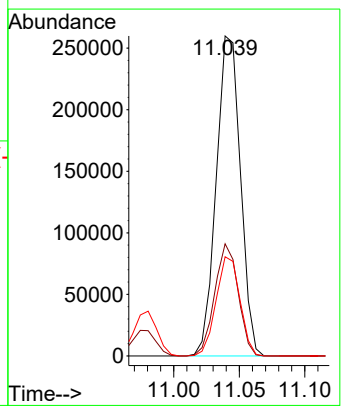


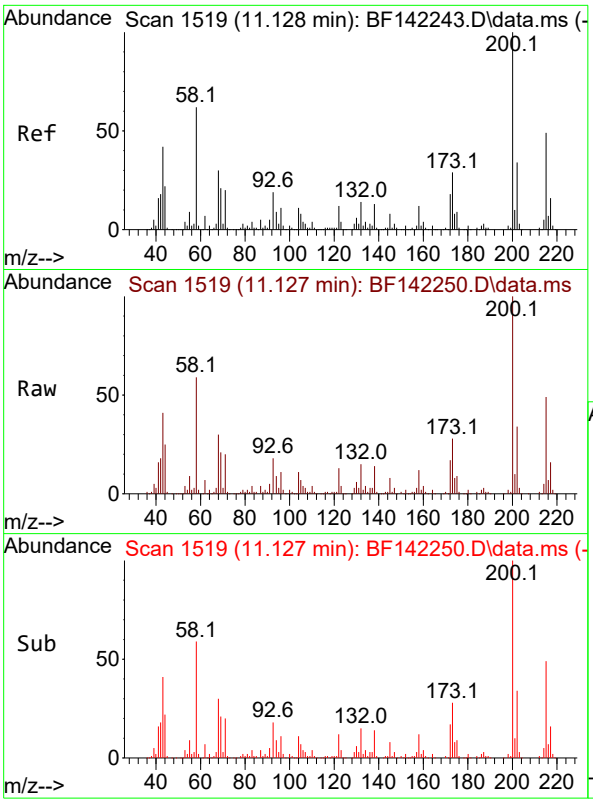


#68
Hexachlorobenzene
Concen: 41.207 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:284 Resp: 332960

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	31.0	23.2	34.8

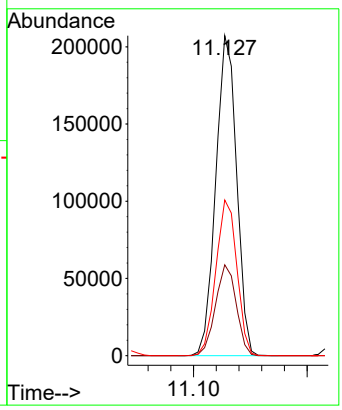




#69
Atrazine
Concen: 45.262 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:200 Resp: 26407

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	48.7	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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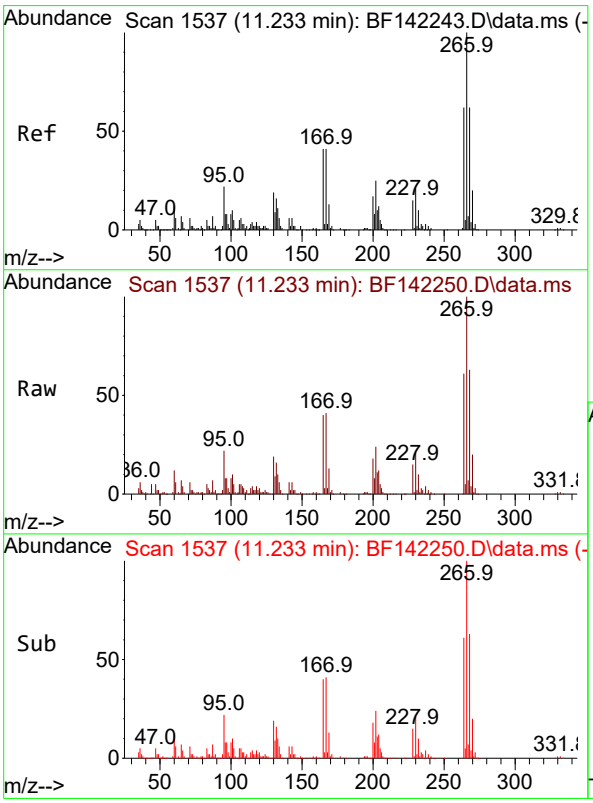
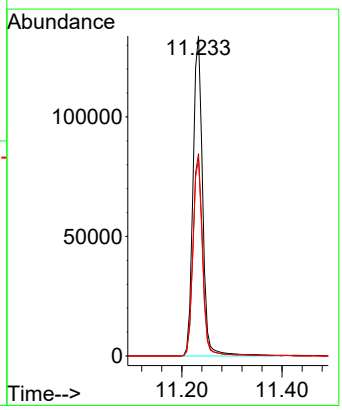
Supervised By :Jagrut Upadhyay 05/02/2025

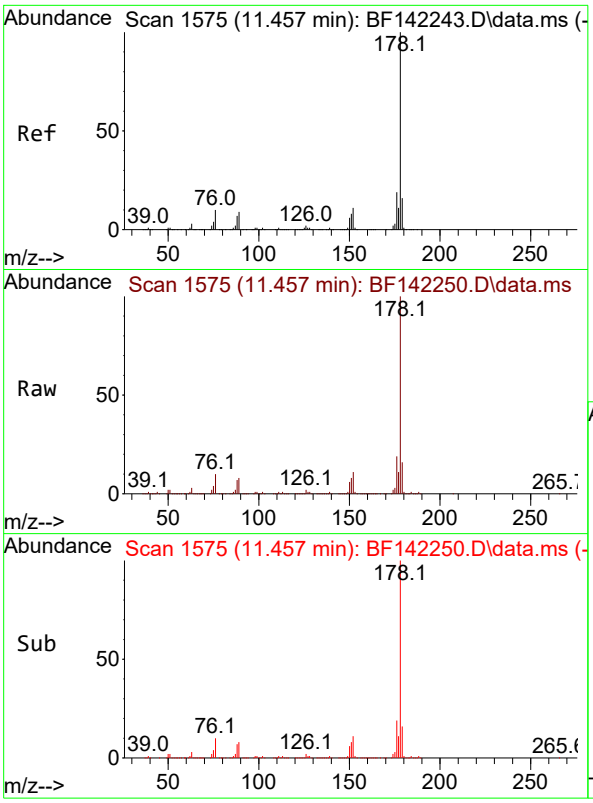


#70
Pentachlorophenol
Concen: 41.491 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:266 Resp: 177109

Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.0	75.0
264	61.4	49.3	73.9

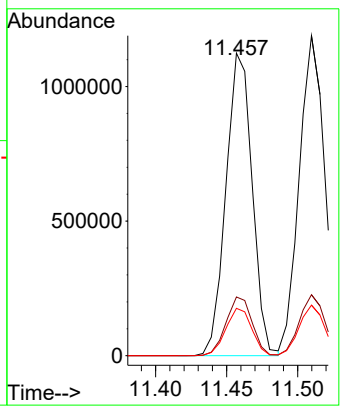




#71
Phenanthrene
Concen: 41.326 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:178 Resp: 144611

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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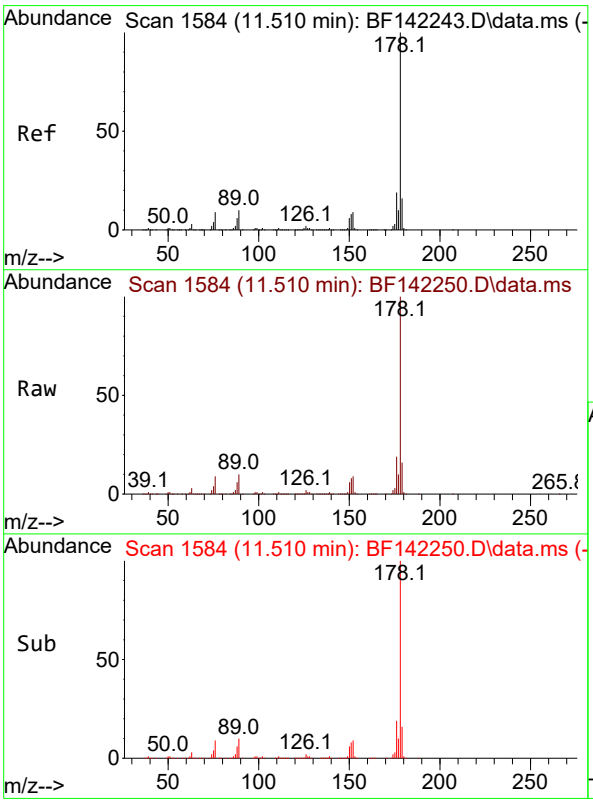
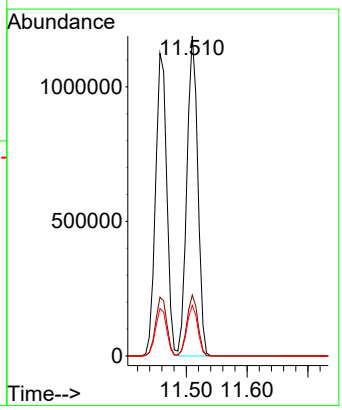
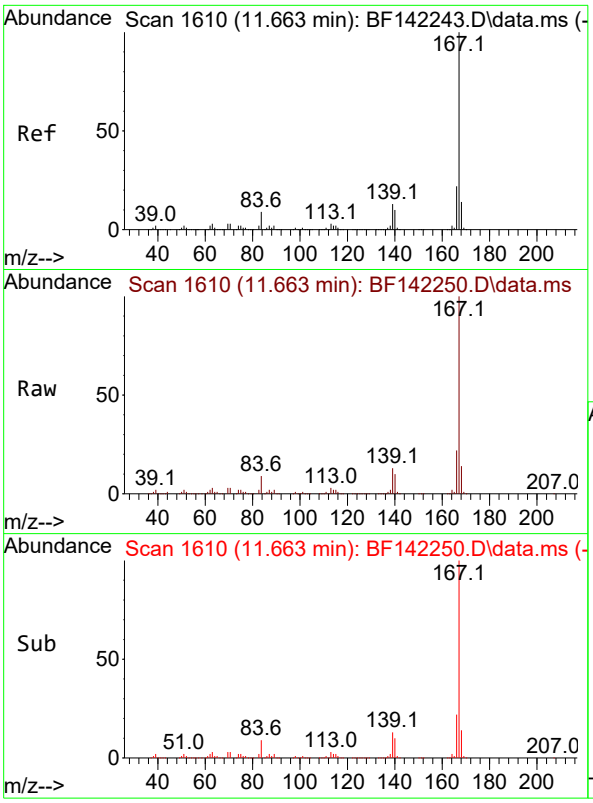


#72
Anthracene
Concen: 41.339 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:178 Resp: 1479001

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.8	12.7	19.1

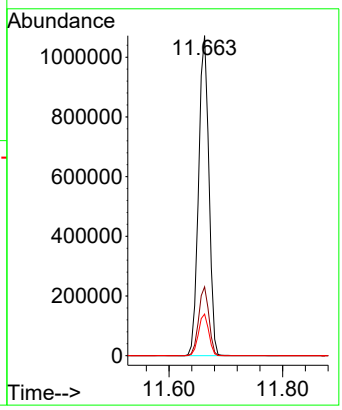




#73
Carbazole
Concen: 41.429 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:167 Resp: 135210

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.0	10.3	15.5



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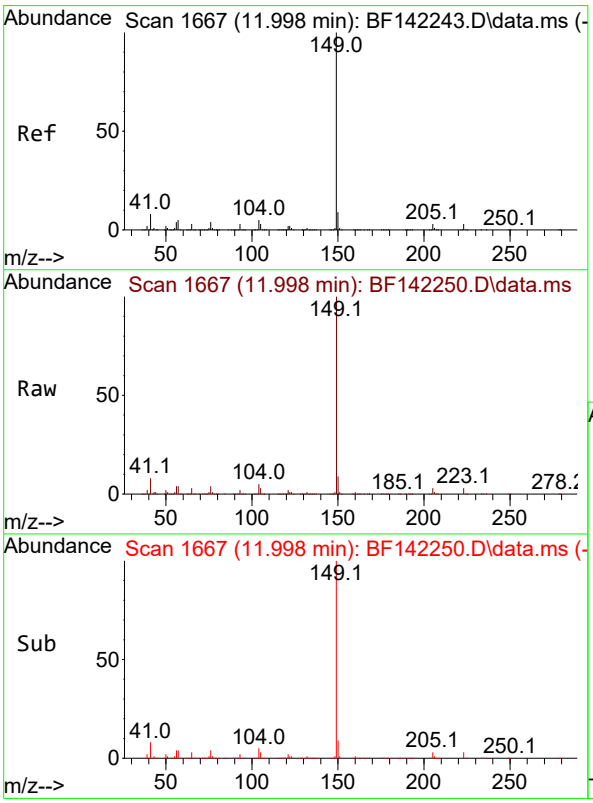
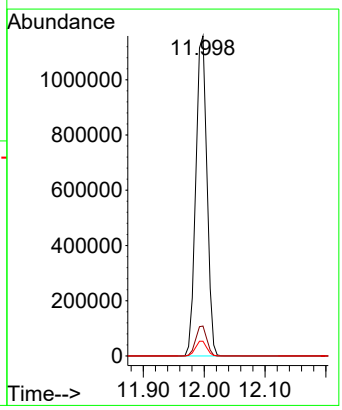
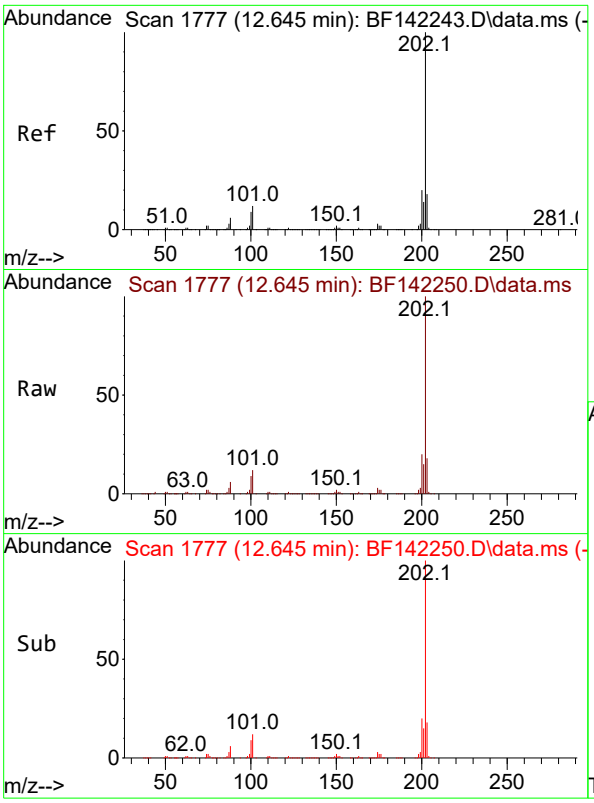


#74
Di-n-butylphthalate
Concen: 44.864 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 1472584

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.6	3.6	5.4

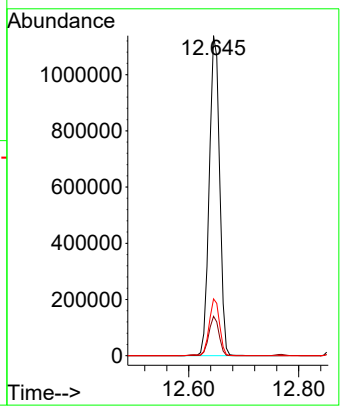




#75
Fluoranthene
Concen: 42.947 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:202 Resp: 148557

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.4
203	17.8	0.0	37.5



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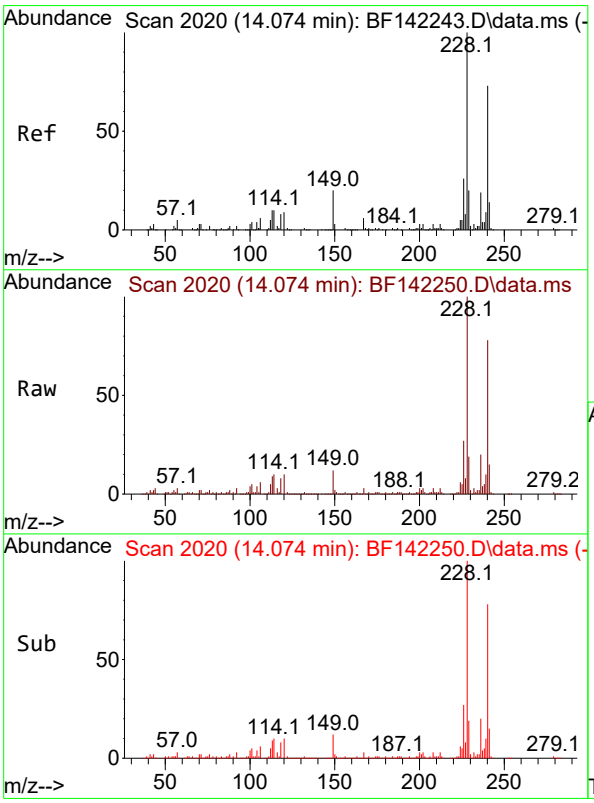
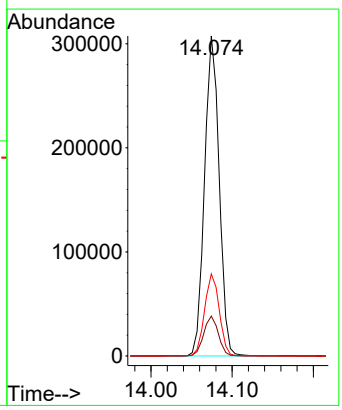
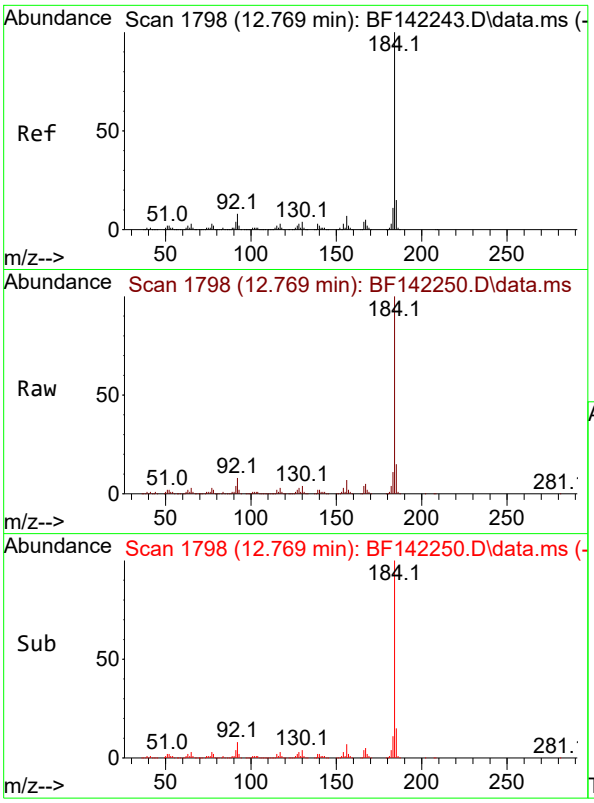


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:240 Resp: 384442

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.1	15.1
236	25.7	20.5	30.7

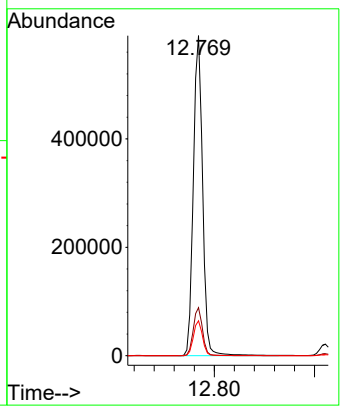




#77
Benzidine
Concen: 46.160 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:184 Resp: 75404

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.8	17.6
183	10.9	8.9	13.3



Instrument :
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ClientSampleId :
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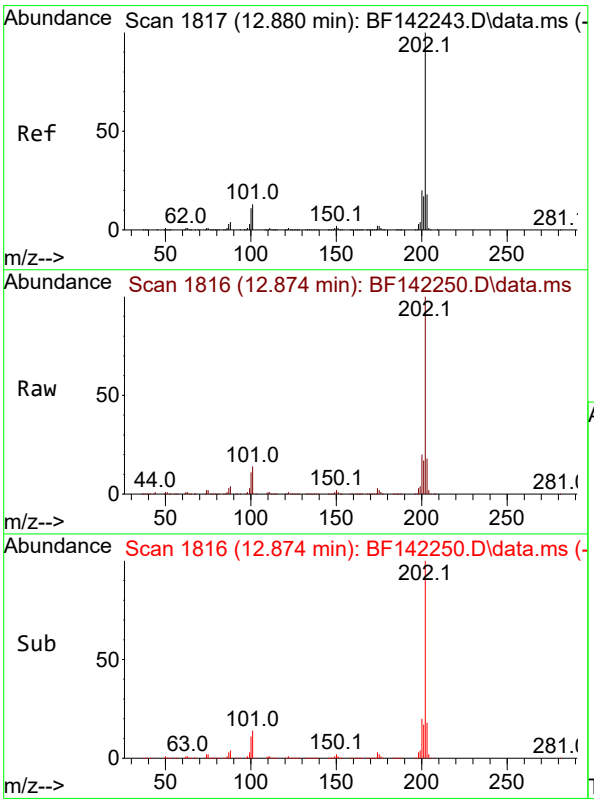
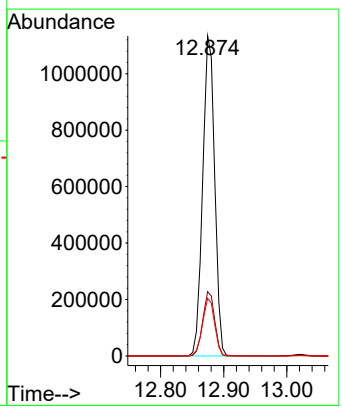
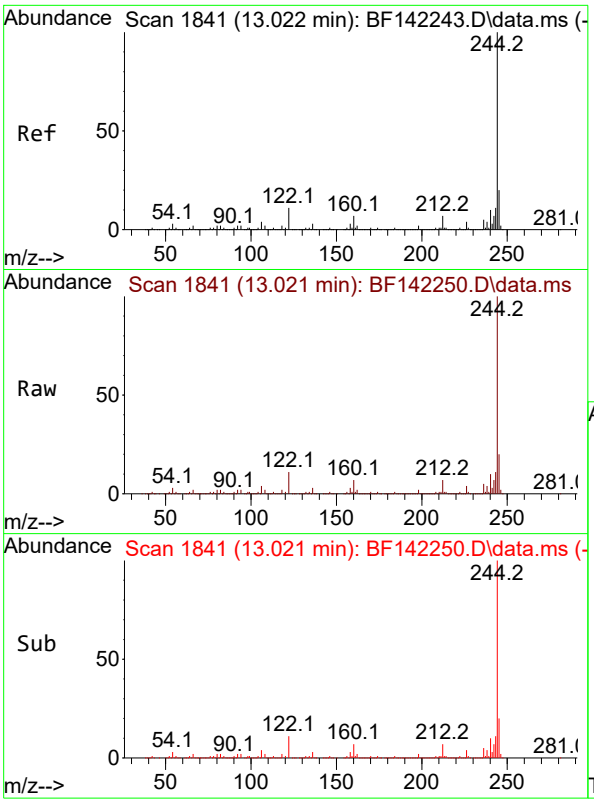


#78
Pyrene
Concen: 42.016 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:202 Resp: 1490017

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	18.0	14.1	21.1

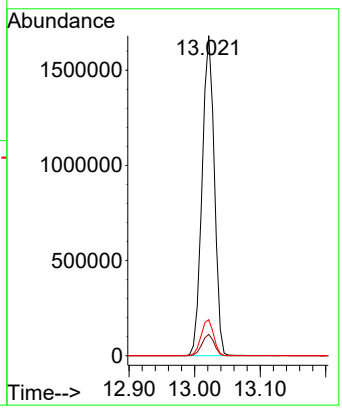




#79
Terphenyl-d14
Concen: 82.722 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:244 Resp: 218658

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.3	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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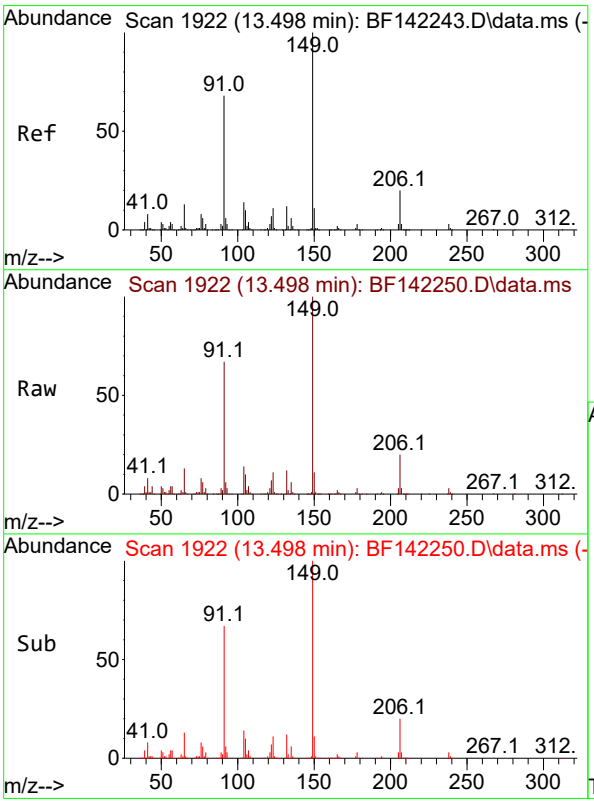
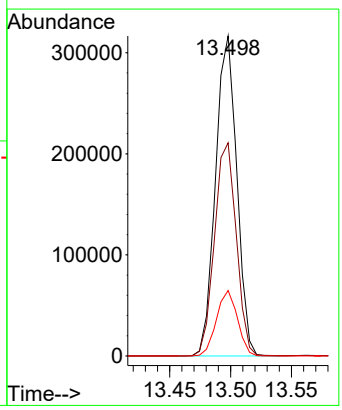
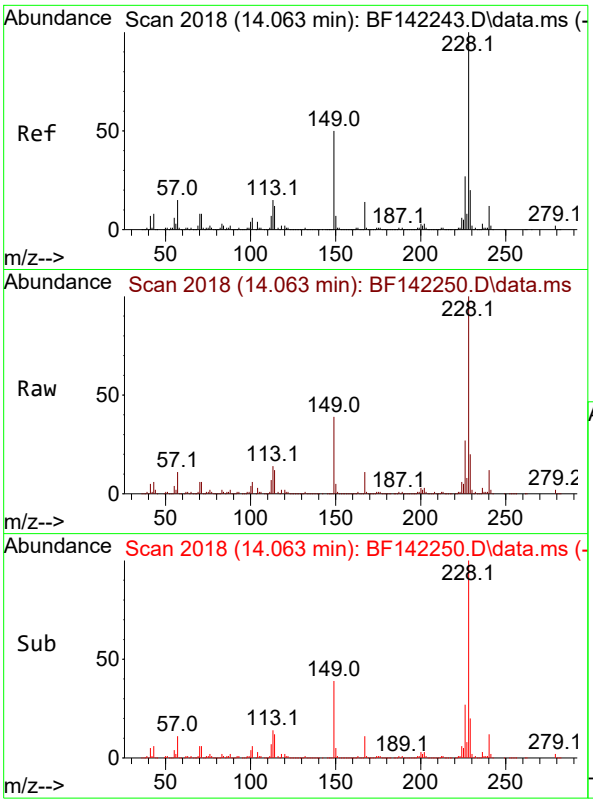


#80
Butylbenzylphthalate
Concen: 40.417 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 385725

Ion	Ratio	Lower	Upper
149	100		
91	66.6	54.4	81.6
206	20.5	15.9	23.9

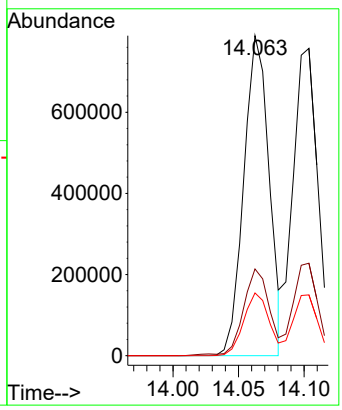




#81
Benzo(a)anthracene
Concen: 41.049 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:228 Resp: 105941

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.6	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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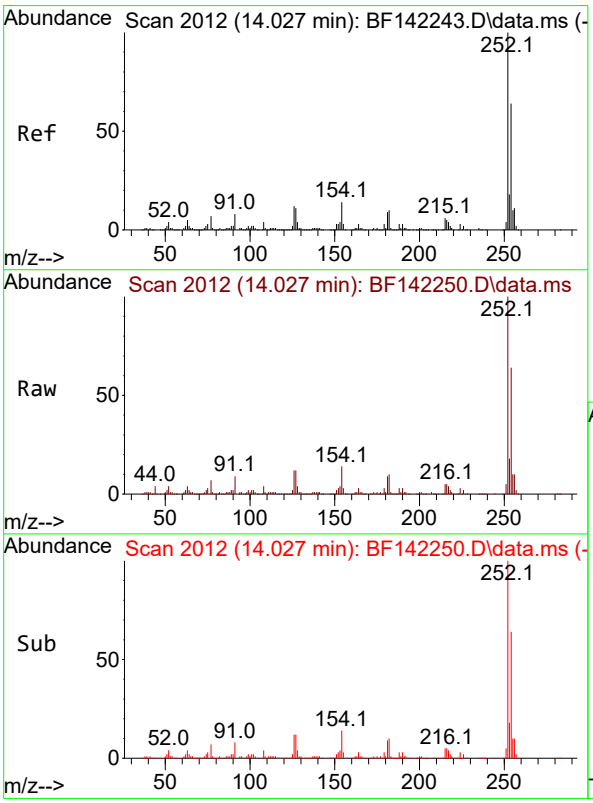
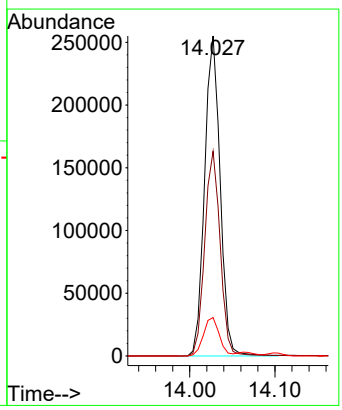
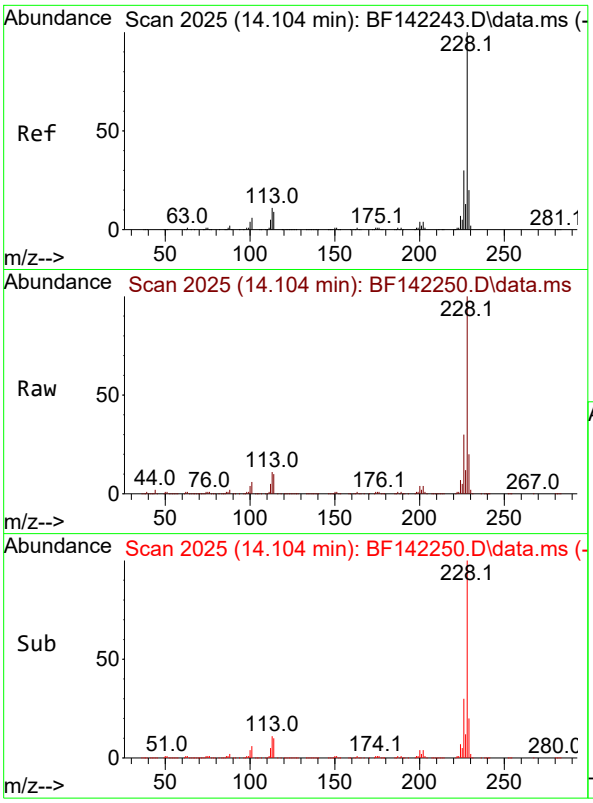


#82
3,3'-Dichlorobenzidine
Concen: 42.615 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 323049

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.0	76.6
126	12.0	9.4	14.2

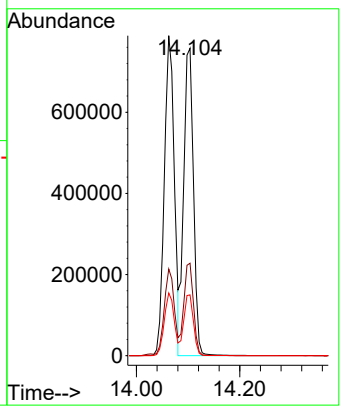




#83
Chrysene
Concen: 42.445 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:228 Resp: 99713

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.8	15.7	23.5



Instrument :
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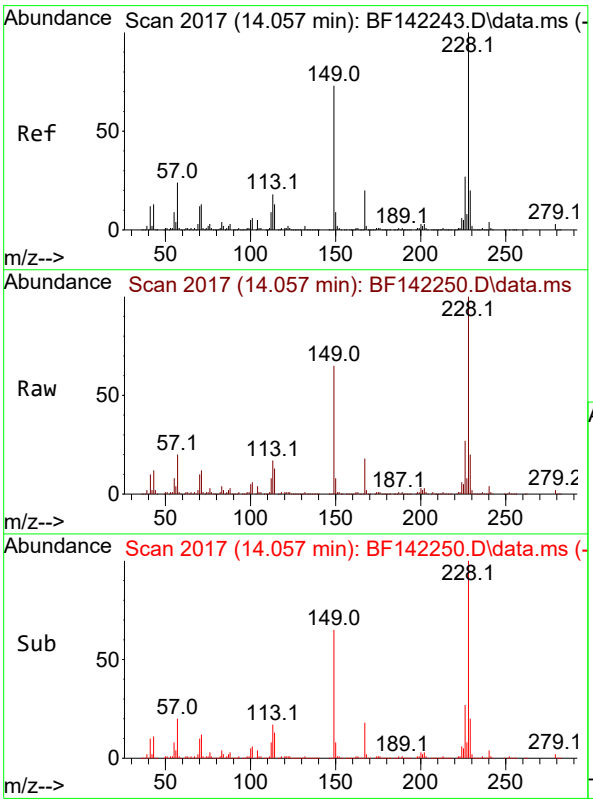
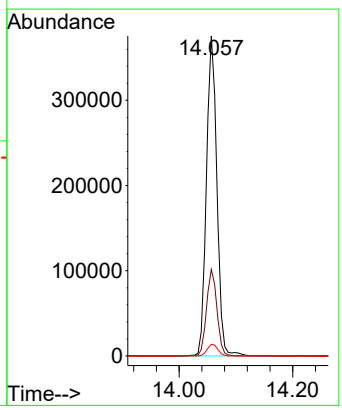
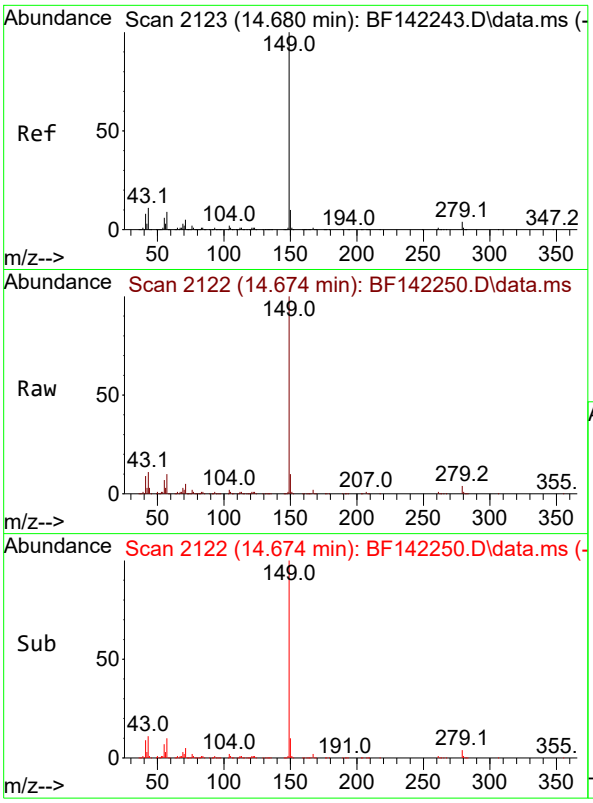


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.467 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 477774

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.7	3.0	4.4

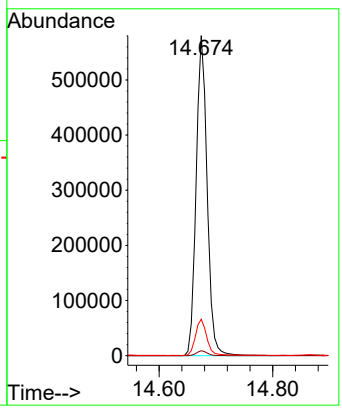




#85
Di-n-octyl phthalate
Concen: 33.845 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:149 Resp: 78281

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.7	9.3	13.9



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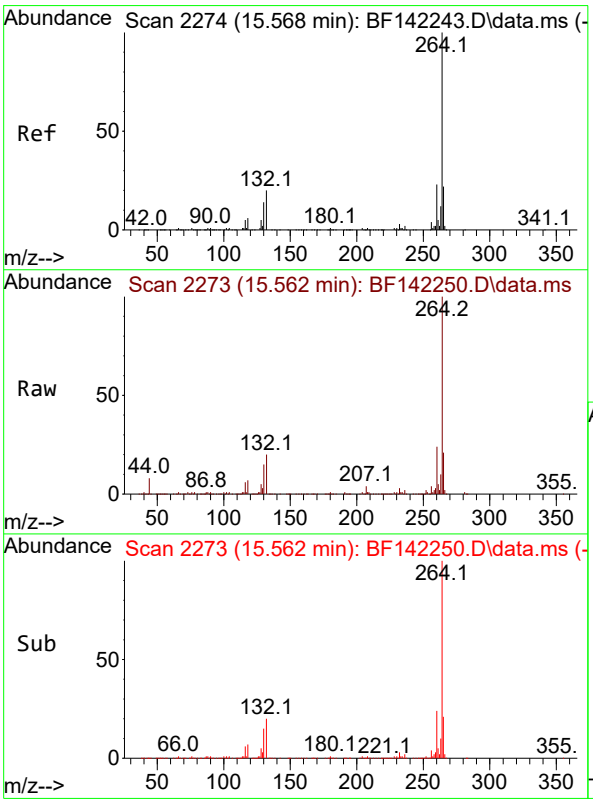
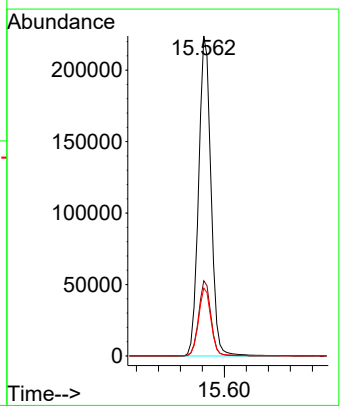
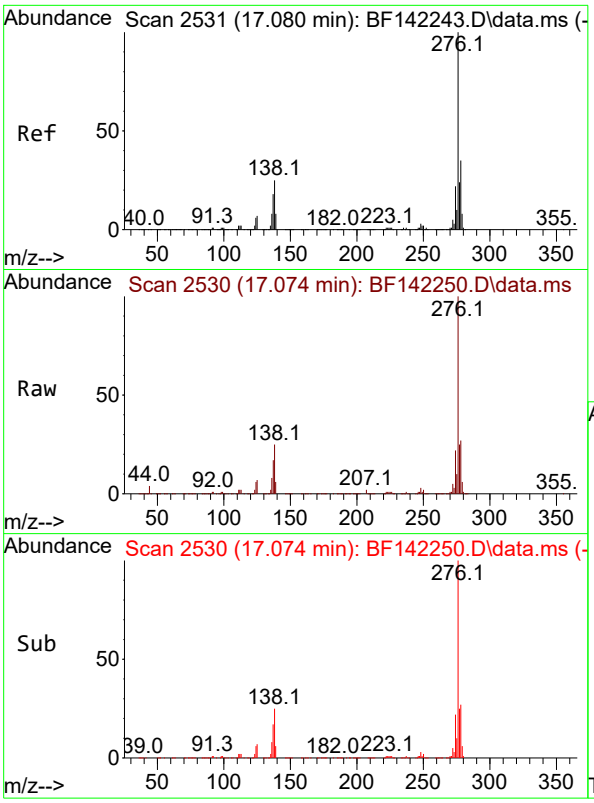


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:264 Resp: 349272

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.2	17.3	25.9

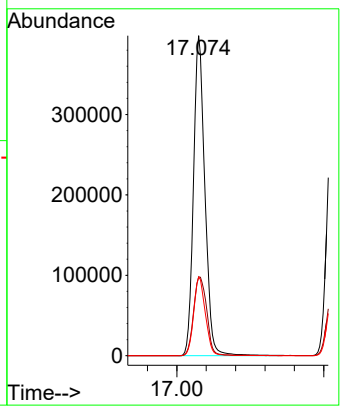




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.864 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:276 Resp: 107101

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.6	33.8
277	25.2	20.1	30.1



Instrument :
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ClientSampleId :
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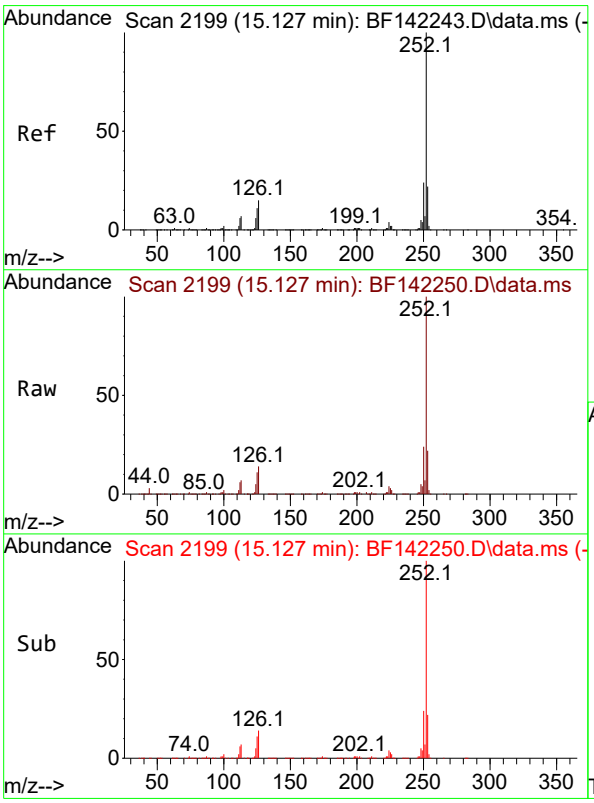
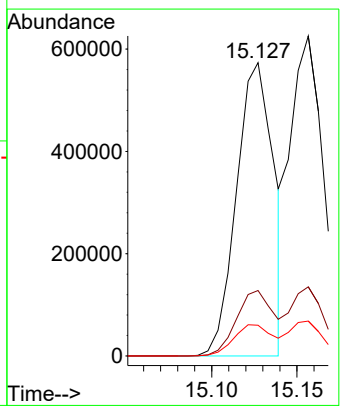
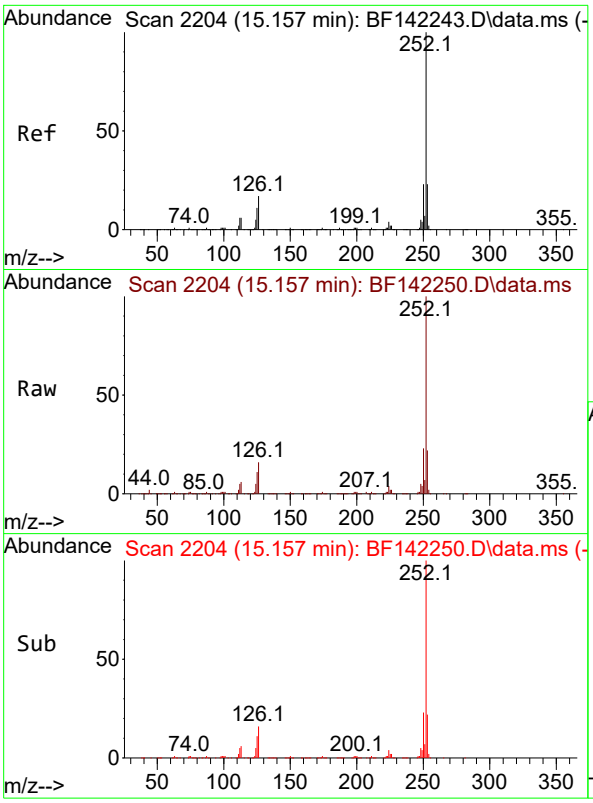


#88
Benzo(b)fluoranthene
Concen: 39.998 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 867766

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.5	9.0	13.4

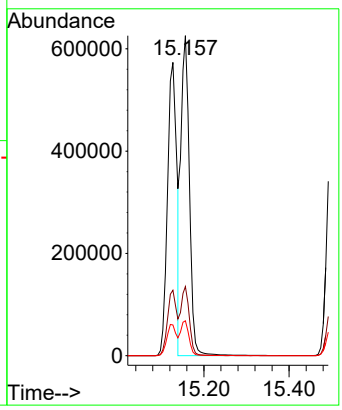




#89
Benzo(k)fluoranthene
Concen: 43.643 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 86606

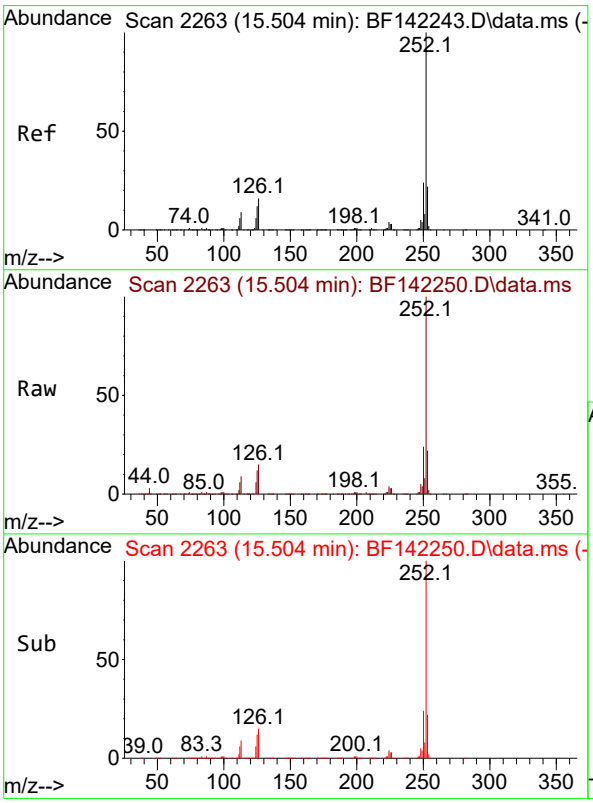
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

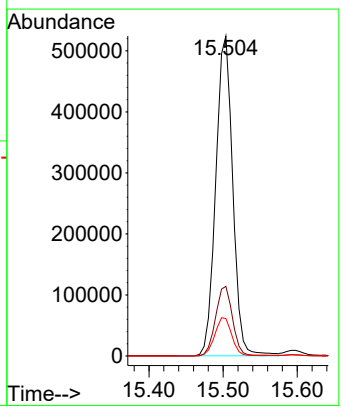
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

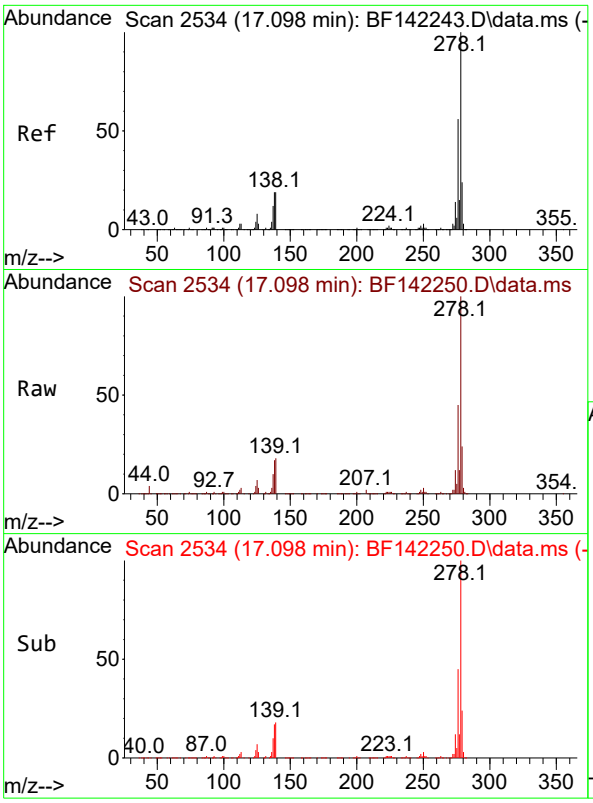


#90
Benzo(a)pyrene
Concen: 41.969 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:252 Resp: 833612

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.7	9.5	14.3

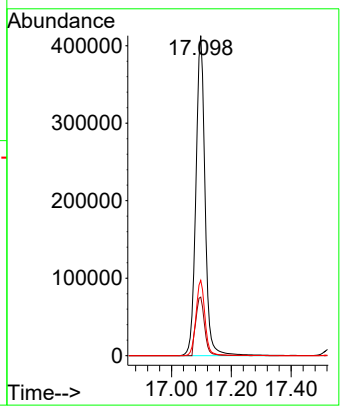




#91
Dibenzo(a,h)anthracene
Concen: 42.333 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:278 Resp: 87898

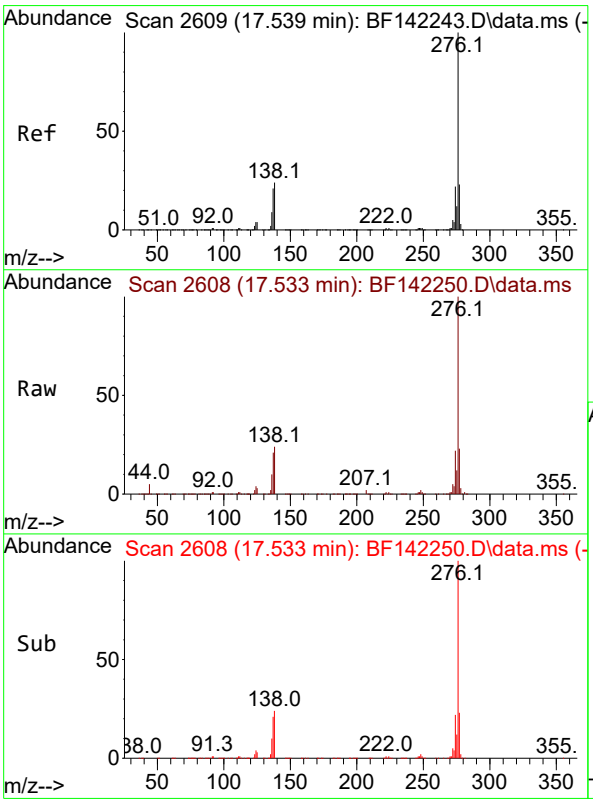
Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.2	22.8
279	23.5	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

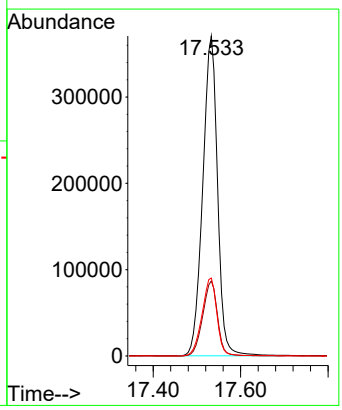
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#92
Benzo(g,h,i)perylene
Concen: 41.848 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF142250.D
Acq: 01 May 2025 10:17

Tgt Ion:276 Resp: 873517

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	24.3	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	104	0.00
2		1,4-Dioxane	0.559	0.579	-3.6	101	0.00
3		Pyridine	1.454	1.532	-5.4	104	0.00
4		n-Nitrosodimethylamine	0.752	0.798	-6.1	103	0.00
5	S	2-Fluorophenol	1.252	1.250	0.2	99	0.00
6		Aniline	2.140	2.225	-4.0	103	0.00
7	S	Phenol-d6	1.512	1.575	-4.2	102	0.00
8		2-Chlorophenol	1.294	1.275	1.5	96	0.00
9		Benzaldehyde	1.057	1.122	-6.1	104	0.00
10	C	Phenol	1.628	1.656	-1.7	100	0.00
11		bis(2-Chloroethyl)ether	1.262	1.326	-5.1	104	0.00
12		1,3-Dichlorobenzene	1.464	1.519	-3.8	103	0.00
13	C	1,4-Dichlorobenzene	1.475	1.526	-3.5	102	0.00
14		1,2-Dichlorobenzene	1.408	1.474	-4.7	104	0.00
15		Benzyl Alcohol	1.073	1.102	-2.7	99	0.00
16		2,2'-oxybis(1-Chloropropane	2.278	2.385	-4.7	104	0.00
17		2-Methylphenol	1.060	1.103	-4.1	102	0.00
18		Hexachloroethane	0.483	0.505	-4.6	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.934	0.954	-2.1	102	0.00
20		3+4-Methylphenols	1.326	1.404	-5.9	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.463	0.480	-3.7	104	0.00
23	S	Nitrobenzene-d5	0.304	0.333	-9.5	100	0.00
24		Nitrobenzene	0.299	0.320	-7.0	100	0.00
25		Isophorone	0.639	0.672	-5.2	104	0.00
26	C	2-Nitrophenol	0.102	0.098	3.9	86	0.00
27		2,4-Dimethylphenol	0.322	0.337	-4.7	102	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.421	-4.5	103	0.00
29	C	2,4-Dichlorophenol	0.269	0.285	-5.9	100	0.00
30		1,2,4-Trichlorobenzene	0.301	0.315	-4.7	103	0.00
31		Naphthalene	0.997	1.030	-3.3	103	0.00
32		Benzoic acid	0.125	0.117	6.4	92	0.00
33		4-Chloroaniline	0.415	0.433	-4.3	103	0.00
34	C	Hexachlorobutadiene	0.175	0.186	-6.3	103	0.00
35		Caprolactam	0.081	0.090	-11.1	106	0.00
36	C	4-Chloro-3-methylphenol	0.277	0.300	-8.3	103	0.00
37		2-Methylnaphthalene	0.613	0.635	-3.6	104	0.00
38		1-Methylnaphthalene	0.635	0.661	-4.1	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.563	0.572	-1.6	102	0.00
41	P	Hexachlorocyclopentadiene	0.319	0.316	0.9	92	0.00
42	S	2,4,6-Tribromophenol	0.182	0.196	-7.7	99	0.00
43	C	2,4,6-Trichlorophenol	0.349	0.354	-1.4	98	0.00
44		2,4,5-Trichlorophenol	0.367	0.386	-5.2	98	0.00
45	S	2-Fluorobiphenyl	1.418	1.409	0.6	103	0.00
46		1,1'-Biphenyl	1.555	1.591	-2.3	103	0.00
47		2-Chloronaphthalene	1.157	1.176	-1.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	0.249	0.277	-11.2	97	0.00
49		Acenaphthylene	1.952	1.996	-2.3	103	0.00
50		Dimethylphthalate	1.280	1.346	-5.2	105	0.00
51		2,6-Dinitrotoluene	0.204	0.231	-13.2	98	0.00
52	C	Acenaphthene	1.140	1.185	-3.9	104	0.00
53		3-Nitroaniline	0.257	0.296	-15.2	102	0.00
54	P	2,4-Dinitrophenol	0.058	0.056	3.4	101	0.00
55		Dibenzofuran	1.709	1.772	-3.7	104	0.00
56	P	4-Nitrophenol	0.201	0.210	-4.5	100	0.00
57		2,4-Dinitrotoluene	0.239	0.289	-20.9	104	0.00
58		Fluorene	1.299	1.322	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	0.304	0.323	-6.3	99	0.00
60		Diethylphthalate	1.263	1.352	-7.0	106	0.00
61		4-Chlorophenyl-phenylether	0.617	0.638	-3.4	104	0.00
62		4-Nitroaniline	0.238	0.283	-18.9	107	0.00
63		Azobenzene	1.248	1.307	-4.7	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.053	1.9	102	0.00
66	c	n-Nitrosodiphenylamine	0.683	0.706	-3.4	104	0.00
67		4-Bromophenyl-phenylether	0.223	0.235	-5.4	105	0.00
68		Hexachlorobenzene	0.249	0.257	-3.2	104	0.00
69		Atrazine	0.180	0.204	-13.3	112	0.00
70	C	Pentachlorophenol	0.132	0.137	-3.8	100	0.00
71		Phenanthrene	1.080	1.116	-3.3	105	0.00
72		Anthracene	1.105	1.142	-3.3	106	0.00
73		Carbazole	1.008	1.044	-3.6	106	0.00
74		Di-n-butylphthalate	1.013	1.137	-12.2	112	0.00
75	C	Fluoranthene	1.068	1.147	-7.4	111	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	116	0.00
77		Benzidine	0.850	0.981	-15.4	118	0.00
78		Pyrene	1.845	1.938	-5.0	111	0.00
79	S	Terphenyl-d14	1.375	1.422	-3.4	111	0.00
80		Butylbenzylphthalate	0.425	0.502	-18.1	115	0.00
81		Benzo(a)anthracene	1.343	1.378	-2.6	111	0.00
82		3,3'-Dichlorobenzidine	0.394	0.420	-6.6	110	0.00
83		Chrysene	1.222	1.297	-6.1	122	0.00
84		Bis(2-ethylhexyl)phthalate	0.604	0.621	-2.8	104	0.00
85	c	Di-n-octyl phthalate	1.133	1.018	10.2	94	0.00
86	I	Perylene-d12	1.000	1.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.533	-4.6	101	0.00
88		Benzo(b)fluoranthene	1.242	1.242	0.0	101	0.00
89		Benzo(k)fluoranthene	1.136	1.240	-9.2	115	0.00
90	C	Benzo(a)pyrene	1.137	1.193	-4.9	105	0.00
91		Dibenzo(a,h)anthracene	1.189	1.258	-5.8	102	0.00
92		Benzo(g,h,i)perylene	1.195	1.250	-4.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_F
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SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	104	0.00
2		1,4-Dioxane	40.000	41.429	-3.6	101	0.00
3		Pyridine	40.000	42.158	-5.4	104	0.00
4		n-Nitrosodimethylamine	40.000	42.418	-6.0	103	0.00
5	S	2-Fluorophenol	80.000	79.825	0.2	99	0.00
6		Aniline	40.000	41.579	-3.9	103	0.00
7	S	Phenol-d6	80.000	83.296	-4.1	102	0.00
8		2-Chlorophenol	40.000	39.409	1.5	96	0.00
9		Benzaldehyde	40.000	42.464	-6.2	104	0.00
10	C	Phenol	40.000	40.684	-1.7	100	0.00
11		bis(2-Chloroethyl)ether	40.000	42.030	-5.1	104	0.00
12		1,3-Dichlorobenzene	40.000	41.505	-3.8	103	0.00
13	C	1,4-Dichlorobenzene	40.000	41.388	-3.5	102	0.00
14		1,2-Dichlorobenzene	40.000	41.885	-4.7	104	0.00
15		Benzyl Alcohol	40.000	41.095	-2.7	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.870	-4.7	104	0.00
17		2-Methylphenol	40.000	41.610	-4.0	102	0.00
18		Hexachloroethane	40.000	41.867	-4.7	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.842	-2.1	102	0.00
20		3+4-Methylphenols	40.000	42.351	-5.9	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22		Acetophenone	40.000	41.462	-3.7	104	0.00
23	S	Nitrobenzene-d5	80.000	87.469	-9.3	100	0.00
24		Nitrobenzene	40.000	42.902	-7.3	100	0.00
25		Isophorone	40.000	42.059	-5.1	104	0.00
26	C	2-Nitrophenol	40.000	34.044	14.9	86	0.00
27		2,4-Dimethylphenol	40.000	41.898	-4.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.820	-4.6	103	0.00
29	C	2,4-Dichlorophenol	40.000	42.280	-5.7	100	0.00
30		1,2,4-Trichlorobenzene	40.000	41.910	-4.8	103	0.00
31		Naphthalene	40.000	41.304	-3.3	103	0.00
32		Benzoic acid	40.000	34.514	13.7	92	0.00
33		4-Chloroaniline	40.000	41.683	-4.2	103	0.00
34	C	Hexachlorobutadiene	40.000	42.382	-6.0	103	0.00
35		Caprolactam	40.000	44.410	-11.0	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.337	-8.3	103	0.00
37		2-Methylnaphthalene	40.000	41.414	-3.5	104	0.00
38		1-Methylnaphthalene	40.000	41.597	-4.0	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.641	-1.6	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.605	1.0	92	0.00
42	S	2,4,6-Tribromophenol	80.000	85.983	-7.5	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.551	-1.4	98	0.00
44		2,4,5-Trichlorophenol	40.000	42.108	-5.3	98	0.00
45	S	2-Fluorobiphenyl	80.000	79.446	0.7	103	0.00
46		1,1'-Biphenyl	40.000	40.922	-2.3	103	0.00
47		2-Chloronaphthalene	40.000	40.663	-1.7	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	37.508	6.2	97	0.00
49		Acenaphthylene	40.000	40.906	-2.3	103	0.00
50		Dimethylphthalate	40.000	42.093	-5.2	105	0.00
51		2,6-Dinitrotoluene	40.000	38.527	3.7	98	0.00
52	C	Acenaphthene	40.000	41.576	-3.9	104	0.00
53		3-Nitroaniline	40.000	40.152	-0.4	102	0.00
54	P	2,4-Dinitrophenol	40.000	37.926	5.2	101	0.00
55		Dibenzofuran	40.000	41.484	-3.7	104	0.00
56	P	4-Nitrophenol	40.000	41.706	-4.3	100	0.00
57		2,4-Dinitrotoluene	40.000	39.850	0.4	104	0.00
58		Fluorene	40.000	40.709	-1.8	103	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.475	-6.2	99	0.00
60		Diethylphthalate	40.000	42.799	-7.0	106	0.00
61		4-Chlorophenyl-phenylether	40.000	41.333	-3.3	104	0.00
62		4-Nitroaniline	40.000	42.018	-5.0	107	0.00
63		Azobenzene	40.000	41.895	-4.7	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.905	10.2	102	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.322	-3.3	104	0.00
67		4-Bromophenyl-phenylether	40.000	42.258	-5.6	105	0.00
68		Hexachlorobenzene	40.000	41.207	-3.0	104	0.00
69		Atrazine	40.000	45.262	-13.2	112	0.00
70	C	Pentachlorophenol	40.000	41.491	-3.7	100	0.00
71		Phenanthrene	40.000	41.326	-3.3	105	0.00
72		Anthracene	40.000	41.339	-3.3	106	0.00
73		Carbazole	40.000	41.429	-3.6	106	0.00
74		Di-n-butylphthalate	40.000	44.864	-12.2	112	0.00
75	C	Fluoranthene	40.000	42.947	-7.4	111	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	116	0.00
77		Benzidine	40.000	46.160	-15.4	118	0.00
78		Pyrene	40.000	42.016	-5.0	111	0.00
79	S	Terphenyl-d14	80.000	82.722	-3.4	111	0.00
80		Butylbenzylphthalate	40.000	40.417	-1.0	115	0.00
81		Benzo(a)anthracene	40.000	41.049	-2.6	111	0.00
82		3,3'-Dichlorobenzidine	40.000	42.615	-6.5	110	0.00
83		Chrysene	40.000	42.445	-6.1	122	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.467	8.8	104	0.00
85	c	Di-n-octyl phthalate	40.000	33.845	15.4	94	0.00
86	I	Perylene-d12	20.000	20.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.864	-4.7	101	0.00
88		Benzo(b)fluoranthene	40.000	39.998	0.0	101	0.00
89		Benzo(k)fluoranthene	40.000	43.643	-9.1	115	0.00
90	C	Benzo(a)pyrene	40.000	41.969	-4.9	105	0.00
91		Dibenzo(a,h)anthracene	40.000	42.333	-5.8	102	0.00
92		Benzo(g,h,i)perylene	40.000	41.848	-4.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1915 SAS No.: Q1915 SDG No.: Q1915

Instrument ID: BNA_F Calibration Date/Time: 05/02/2025 10:39

Lab File ID: BF142274.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.454	1.384		-4.8	
2-Fluorophenol	1.252	1.195		-4.6	
Phenol-d6	1.512	1.457		-3.6	
1,4-Dichlorobenzene	1.475	1.364		-7.5	20.0
2-Methylphenol	1.060	1.005		-5.2	
3+4-Methylphenols	1.326	1.295		-2.3	
Nitrobenzene-d5	0.304	0.332		9.2	
Hexachloroethane	0.483	0.473		-2.1	
Nitrobenzene	0.299	0.315		5.4	
Hexachlorobutadiene	0.175	0.164		-6.3	20.0
2,4,6-Trichlorophenol	0.349	0.360		3.2	20.0
2-Fluorobiphenyl	1.418	1.293		-8.8	
2,4,5-Trichlorophenol	0.367	0.363		-1.1	
2,4-Dinitrotoluene	0.239	0.314		31.4	
2,4,6-Tribromophenol	0.182	0.190		4.4	
Hexachlorobenzene	0.249	0.232		-6.8	
Pentachlorophenol	0.132	0.137		3.8	20.0
Terphenyl-d14	1.375	1.344		-2.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	189457	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	747235	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	389025	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	652685	20.000	ng	0.00
76) Chrysene-d12	14.068	240	354752	20.000	ng	0.00
86) Perylene-d12	15.557	264	327562	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	905917	76.366	ng	0.00
7) Phenol-d6	6.522	99	1104282	77.087	ng	0.00
23) Nitrobenzene-d5	7.469	82	992335	87.247	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	295525	83.329	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2012359	72.935	ng	0.00
79) Terphenyl-d14	13.016	244	1907599	78.207	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	199149	37.589	ng	97
3) Pyridine	3.457	79	524389	38.083	ng	99
4) n-Nitrosodimethylamine	3.404	42	276556	38.811	ng	99
6) Aniline	6.569	93	768076	37.880	ng	99
8) 2-Chlorophenol	6.687	128	480593	39.206	ng	98
9) Benzaldehyde	6.457	77	378814	37.835	ng	99
10) Phenol	6.540	94	585536m	37.967	ng	
11) bis(2-Chloroethyl)ether	6.640	93	452236	37.841	ng	99
12) 1,3-Dichlorobenzene	6.851	146	524346	37.811	ng	100
13) 1,4-Dichlorobenzene	6.928	146	516930	36.999	ng	99
14) 1,2-Dichlorobenzene	7.081	146	505354	37.888	ng	99
15) Benzyl Alcohol	7.045	79	393158	38.697	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	817791	37.895	ng	99
17) 2-Methylphenol	7.151	107	380905	37.931	ng	99
18) Hexachloroethane	7.422	117	179209	39.190	ng	96
19) n-Nitroso-di-n-propyla...	7.316	70	330837	37.373	ng	97
20) 3+4-Methylphenols	7.304	107	490537	39.062	ng	94
22) Acetophenone	7.316	105	628918	36.381	ng	98
24) Nitrobenzene	7.487	77	470320	42.143	ng	99
25) Isophorone	7.728	82	878449	36.800	ng	99
26) 2-Nitrophenol	7.804	139	201999	43.995	ng	97
27) 2,4-Dimethylphenol	7.834	122	458385	38.087	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	552958	36.730	ng	100
29) 2,4-Dichlorophenol	8.039	162	389539	38.714	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	414934	36.954	ng	100
31) Naphthalene	8.210	128	1363971	36.602	ng	100
32) Benzoic acid	7.928	122	233233m	42.364	ng	
33) 4-Chloroaniline	8.257	127	579952	37.373	ng	99
34) Hexachlorobutadiene	8.328	225	245743	37.512	ng	98
35) Caprolactam	8.622	113	120939	39.988	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	397404	38.463	ng	98
37) 2-Methylnaphthalene	8.904	142	837448	36.551	ng	100
38) 1-Methylnaphthalene	9.004	142	871131	36.702	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	405798	37.065	ng	99
41) Hexachlorocyclopentadiene	9.057	237	254671	40.985	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	280415	41.332	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	282545	39.611	ng	98
46) 1,1'-Biphenyl	9.363	154	1118632	36.988	ng	99
47) 2-Chloronaphthalene	9.392	162	833002	37.021	ng	100
48) 2-Nitroaniline	9.481	65	245382	42.014	ng	97
49) Acenaphthylene	9.810	152	1407244	37.062	ng	99
50) Dimethylphthalate	9.663	163	931138	37.413	ng	100
51) 2,6-Dinitrotoluene	9.722	165	191021	40.686	ng	98
52) Acenaphthene	9.981	154	832658	37.558	ng	99
53) 3-Nitroaniline	9.892	138	232079	40.499	ng	97
54) 2,4-Dinitrophenol	9.992	184	66816	50.599	ng	91
55) Dibenzofuran	10.151	168	1230121	37.015	ng	100
56) 4-Nitrophenol	10.033	139	176430	45.101	ng	98
57) 2,4-Dinitrotoluene	10.122	165	244640	42.928	ng	100
58) Fluorene	10.492	166	931222	36.852	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	240492	40.702	ng	99
60) Diethylphthalate	10.363	149	912963	37.148	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	441273	36.772	ng	97
62) 4-Nitroaniline	10.504	138	220163	42.072	ng	98
63) Azobenzene	10.645	77	895687	36.907	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	97288	45.858	ng	97
66) n-Nitrosodiphenylamine	10.604	169	829293	37.187	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	277516	38.179	ng	100
68) Hexachlorobenzene	11.039	284	302639	37.175	ng	98
69) Atrazine	11.128	200	228706	38.907	ng	99
70) Pentachlorophenol	11.227	266	178739	41.560	ng	98
71) Phenanthrene	11.457	178	1313668	37.261	ng	100
72) Anthracene	11.510	178	1349761	37.446	ng	99
73) Carbazole	11.657	167	1245984	37.893	ng	99
74) Di-n-butylphthalate	11.992	149	1235690	37.366	ng	99
75) Fluoranthene	12.645	202	1316477	37.775	ng	99
77) Benzidine	12.763	184	629233	41.743	ng	100
78) Pyrene	12.874	202	1327219	40.557	ng	100
80) Butylbenzylphthalate	13.492	149	318246	36.531	ng	98
81) Benzo(a)anthracene	14.057	228	917653	38.532	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	264696	37.840	ng	99
83) Chrysene	14.098	228	786998	36.304	ng	99
84) Bis(2-ethylhexyl)phtha...	14.051	149	344949	29.284	ng	100
85) Di-n-octyl phthalate	14.668	149	576205	28.225	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	957230	39.896	ng	100
88) Benzo(b)fluoranthene	15.121	252	702872	34.545	ng	99
89) Benzo(k)fluoranthene	15.151	252	719163	38.642	ng	99
90) Benzo(a)pyrene	15.498	252	703822	37.783	ng	100
91) Dibenzo(a,h)anthracene	17.086	278	781717	40.144	ng	99
92) Benzo(g,h,i)perylene	17.521	276	796796	40.703	ng	100

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

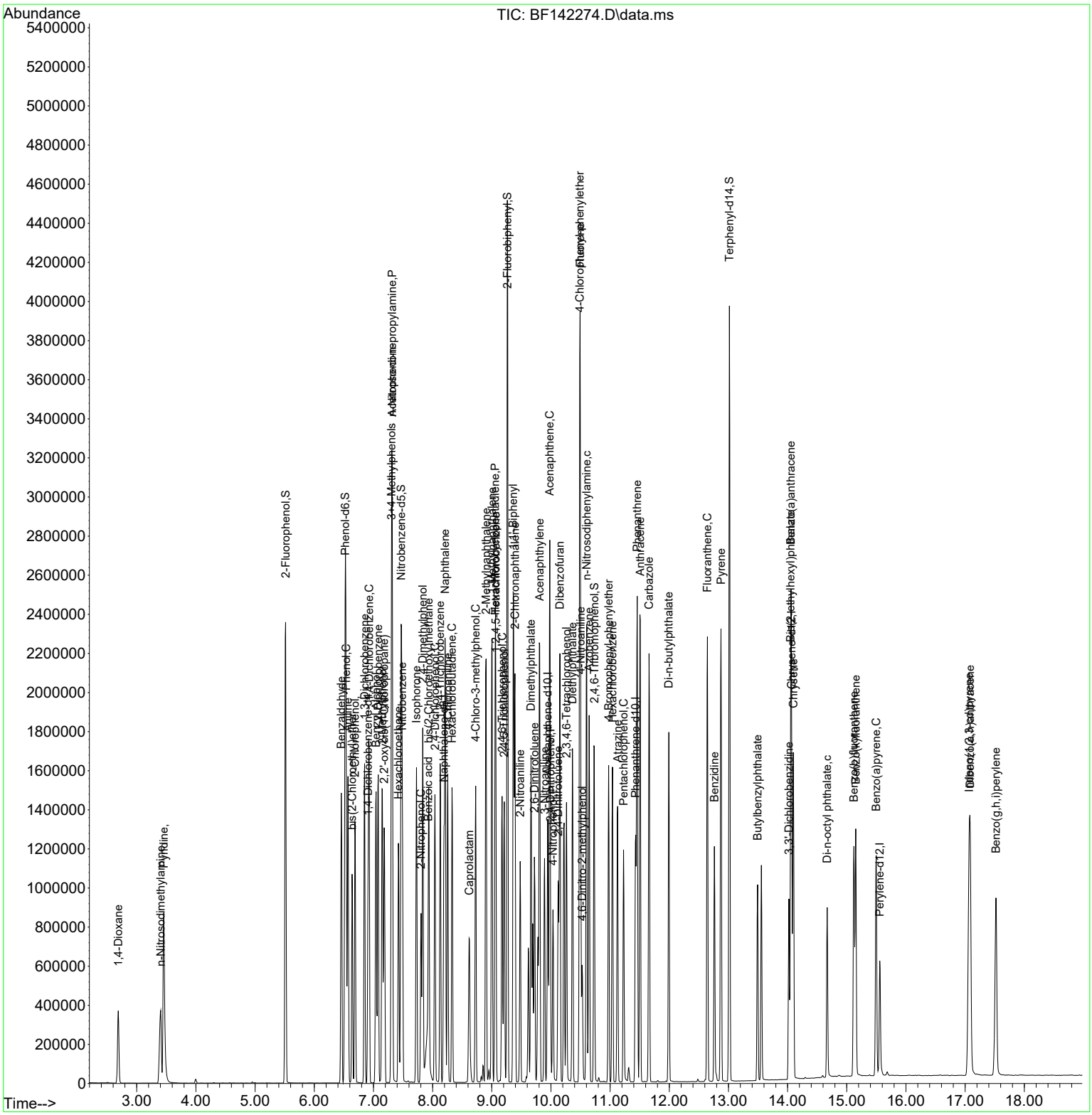
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

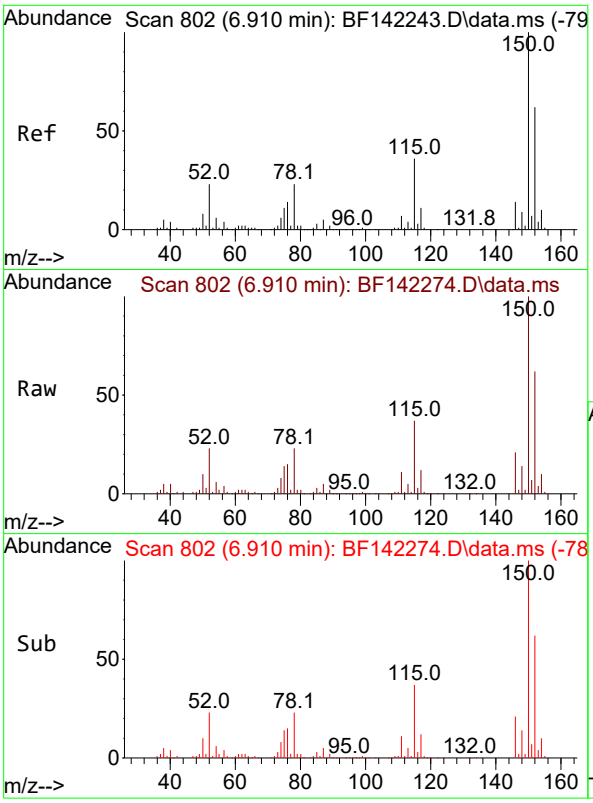
Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

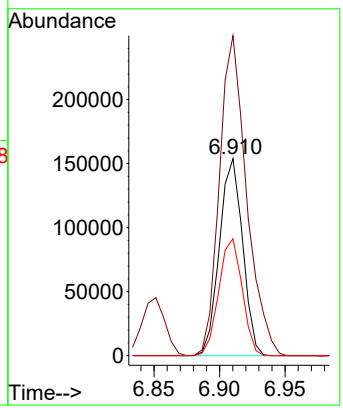




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:152 Resp: 18945

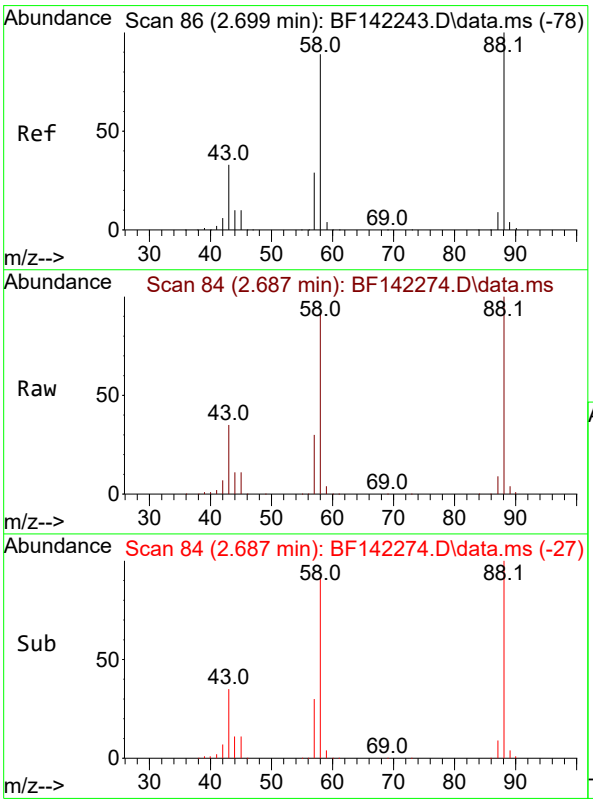
Ion	Ratio	Lower	Upper
152	100		
150	162.5	130.2	195.2
115	59.4	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

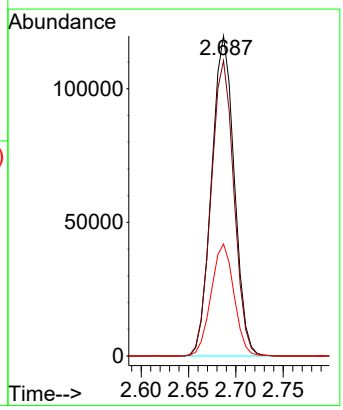
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

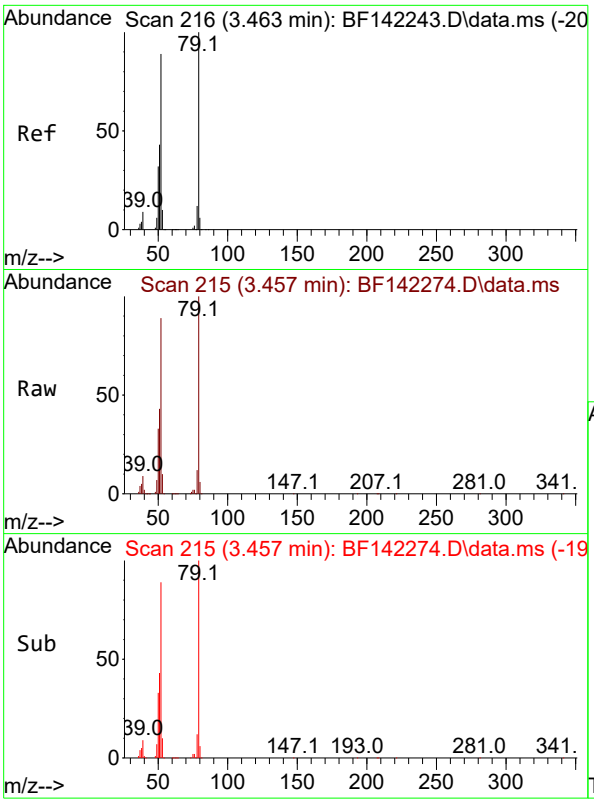


#2
1,4-Dioxane
Concen: 37.589 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 88 Resp: 199149

Ion	Ratio	Lower	Upper
88	100		
58	92.8	72.2	108.2
43	35.2	27.0	40.6





#3
Pyridine
Concen: 38.083 ng
RT: 3.457 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

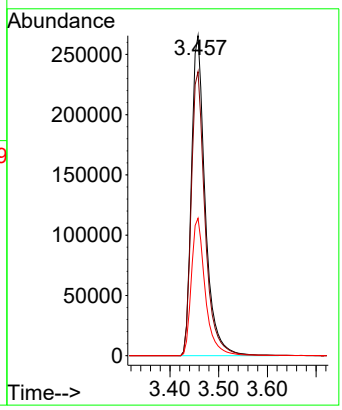
Tgt Ion: 79 Resp: 52438

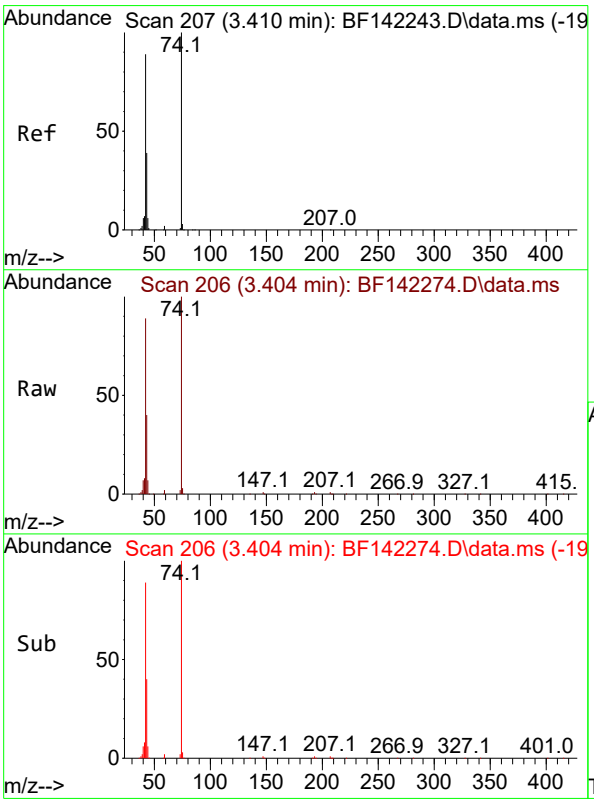
Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.5	107.3
51	43.0	34.5	51.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

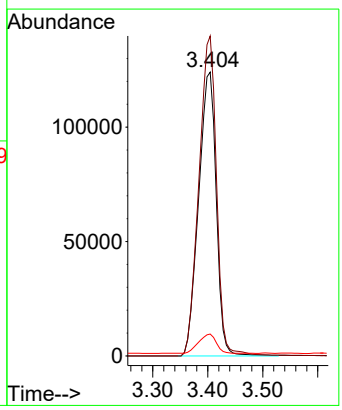


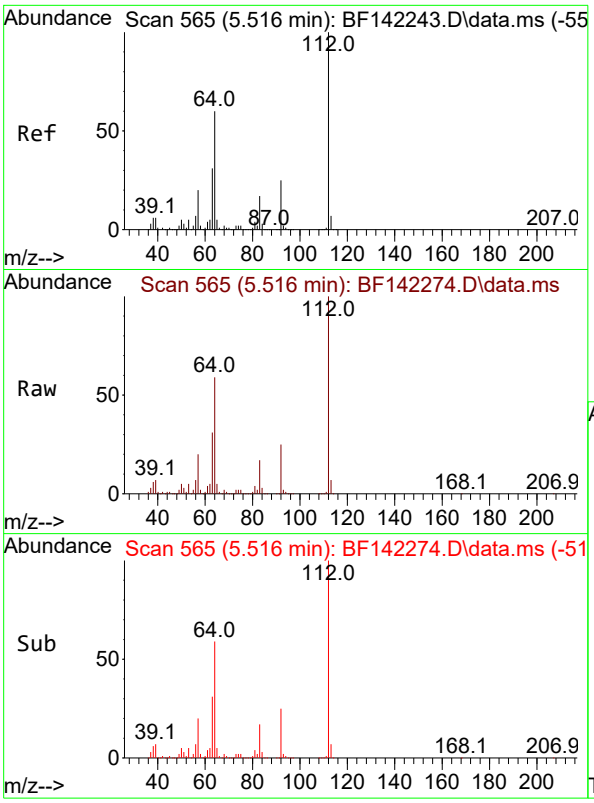


#4
n-Nitrosodimethylamine
Concen: 38.811 ng
RT: 3.404 min Scan# 206
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 42 Resp: 276556

Ion	Ratio	Lower	Upper
42	100		
74	112.7	89.5	134.3
44	7.7	6.6	9.8





#5
2-Fluorophenol
Concen: 76.366 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

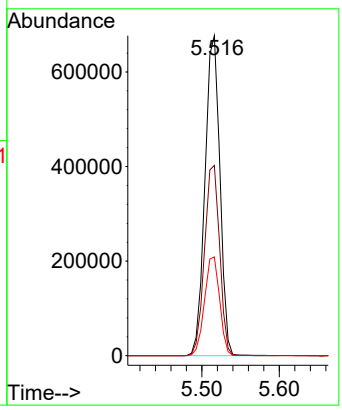
Tgt Ion:112 Resp: 90591

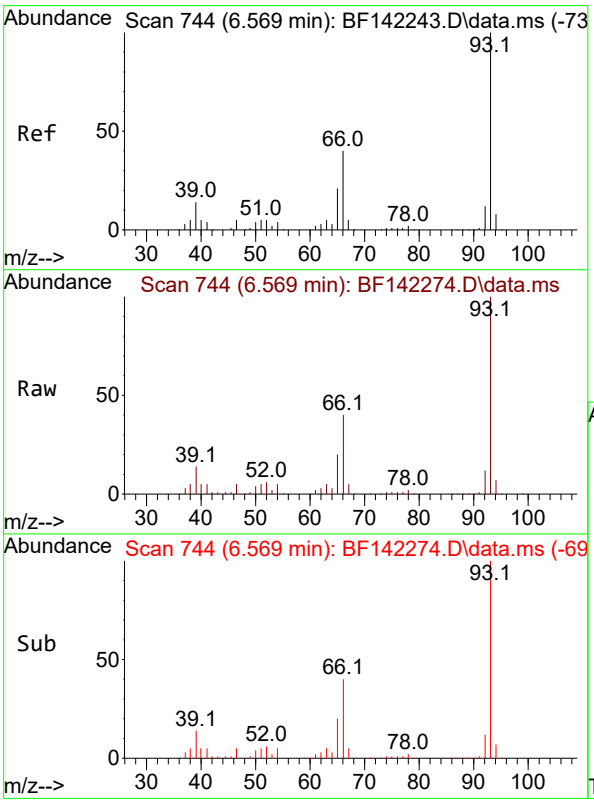
Ion	Ratio	Lower	Upper
112	100		
64	59.5	48.4	72.6
63	30.8	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

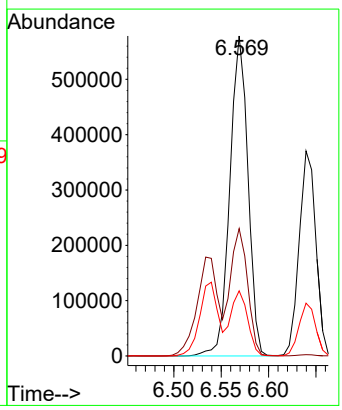


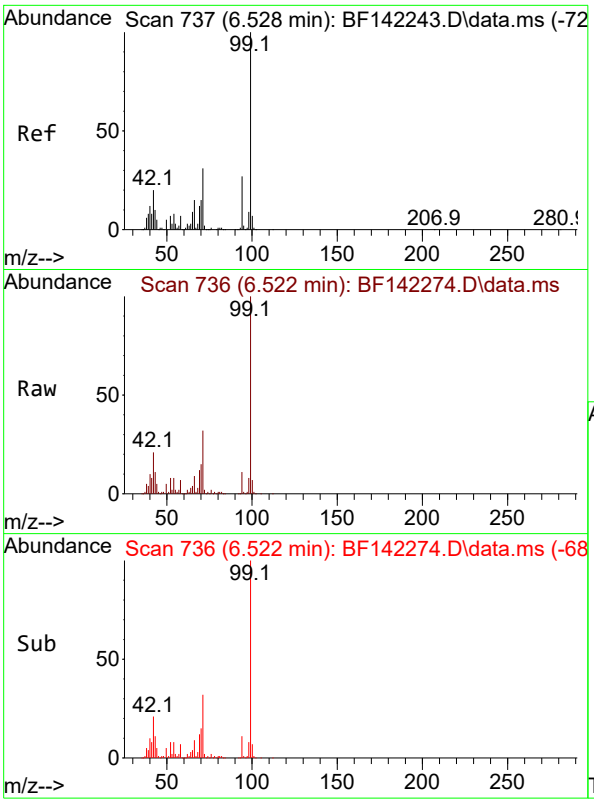


#6
Aniline
Concen: 37.880 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 93 Resp: 768076

Ion	Ratio	Lower	Upper
93	100		
66	39.8	32.1	48.1
65	20.4	16.6	24.8





#7
Phenol-d6
Concen: 77.087 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 99 Resp: 110428

Ion	Ratio	Lower	Upper
99	100		
42	21.5	16.3	24.5
71	32.0	25.0	37.4

Instrument :
BNA_F
ClientSampleId :
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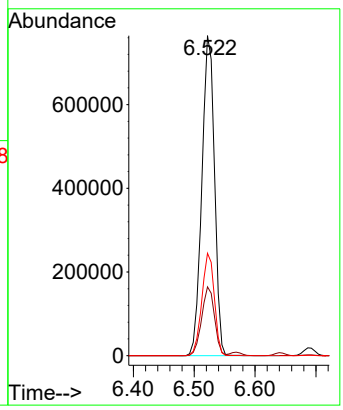
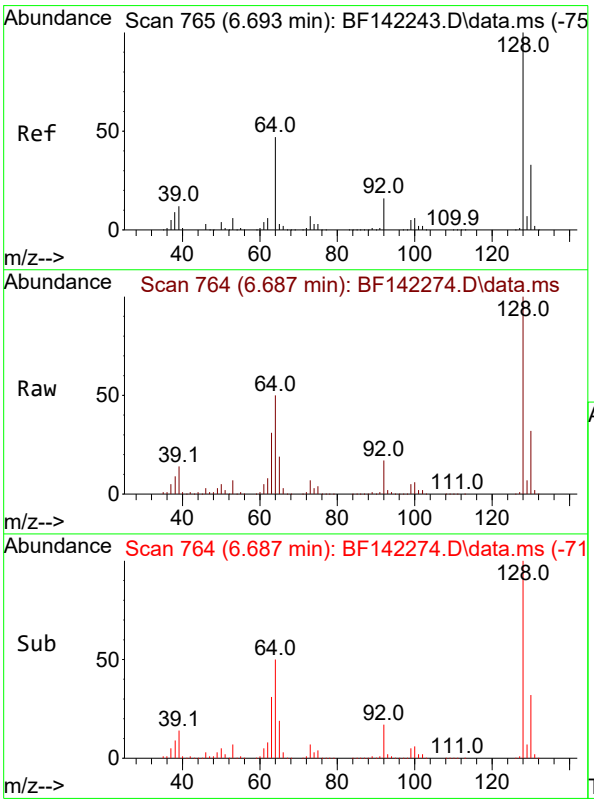
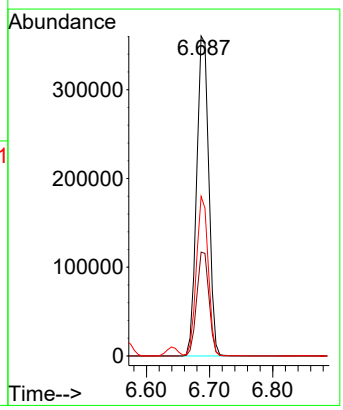


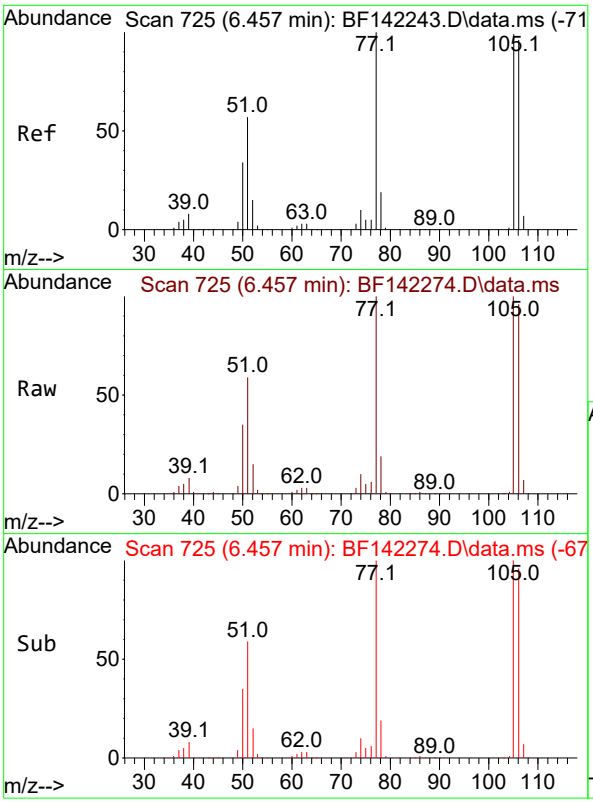


#8
2-Chlorophenol
Concen: 39.206 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:128 Resp: 480593

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.1	53.1
64	49.8	28.6	68.6

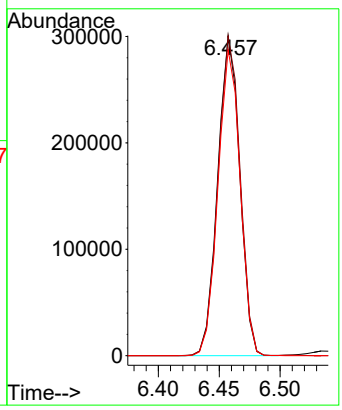




#9
Benzaldehyde
Concen: 37.835 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 77 Resp: 37881

Ion	Ratio	Lower	Upper
77	100		
105	99.9	79.1	119.1
106	95.6	76.0	116.0



Instrument :
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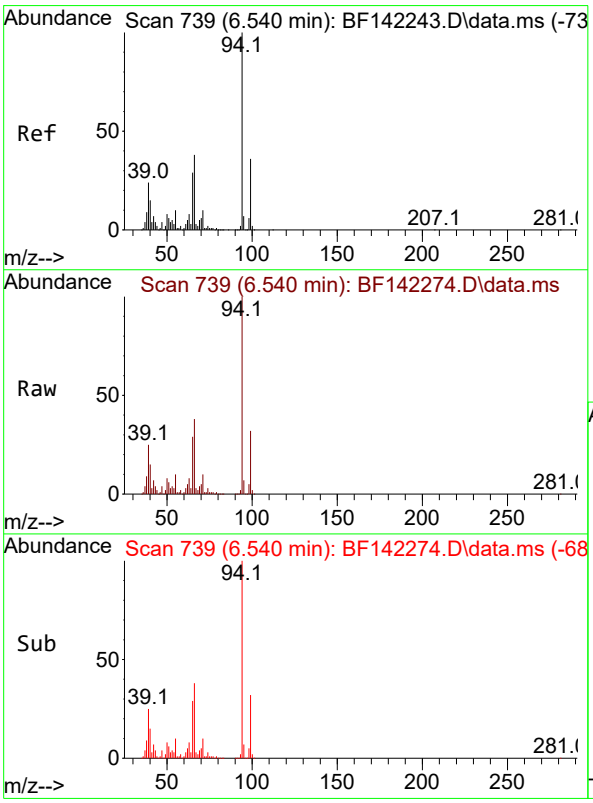
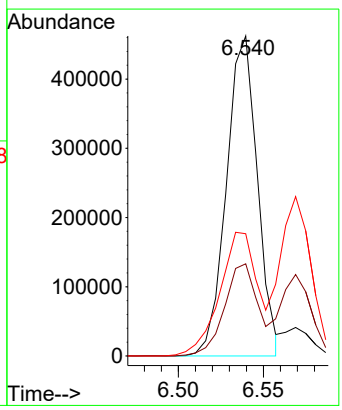
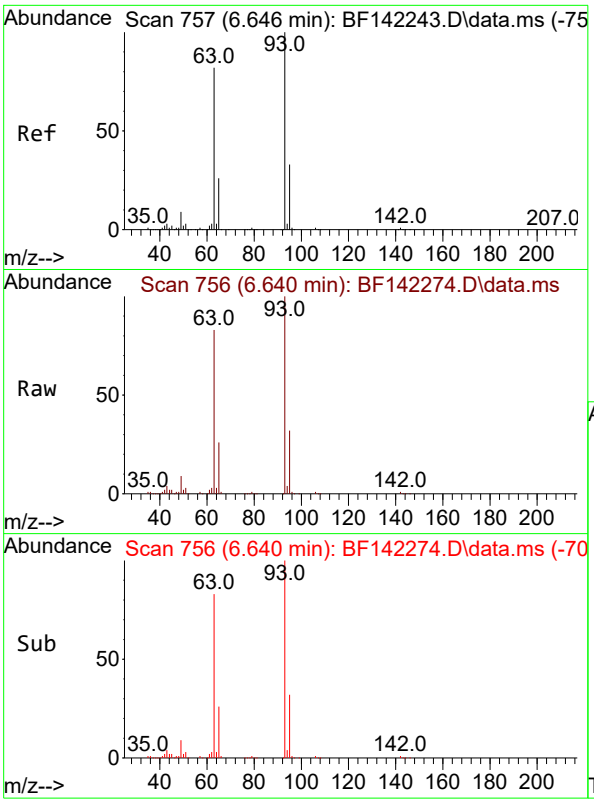


#10
Phenol
Concen: 37.967 ng m
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 94 Resp: 585536

Ion	Ratio	Lower	Upper
94	100		
65	28.8	8.9	48.9
66	38.2	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 37.841 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 93 Resp: 45223

Ion	Ratio	Lower	Upper
93	100		
63	83.2	62.2	102.2
95	32.1	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
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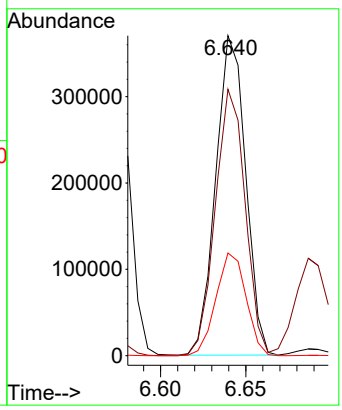
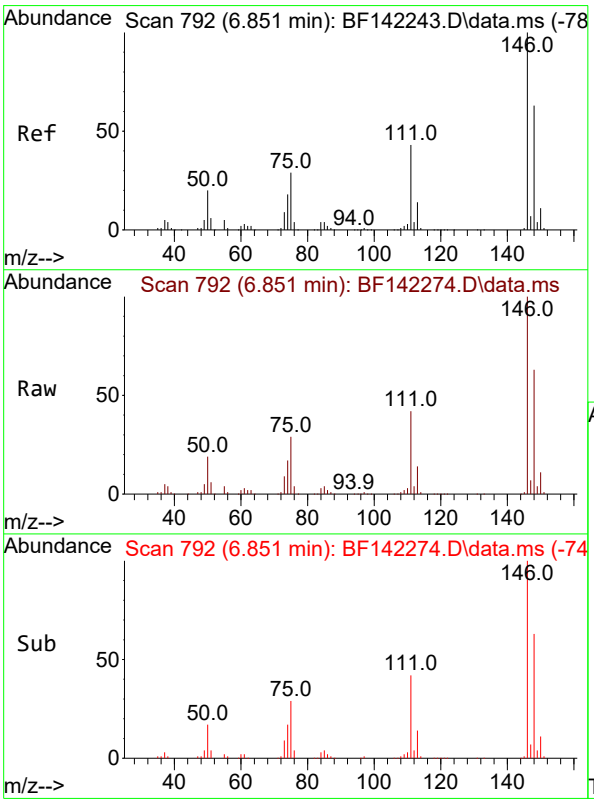
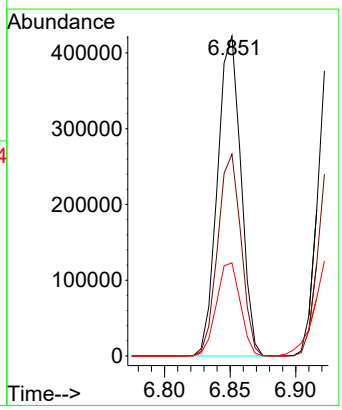


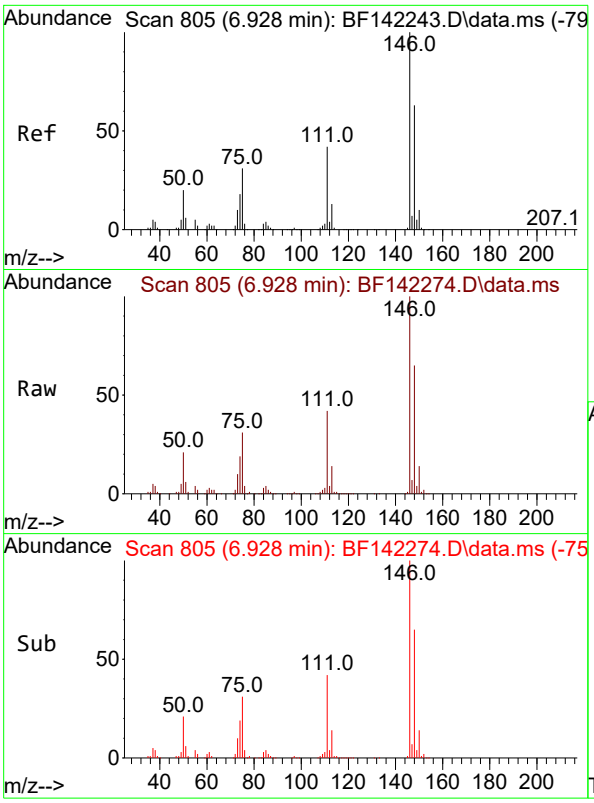


#12
1,3-Dichlorobenzene
Concen: 37.811 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:146 Resp: 524346

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	29.1	23.2	34.8

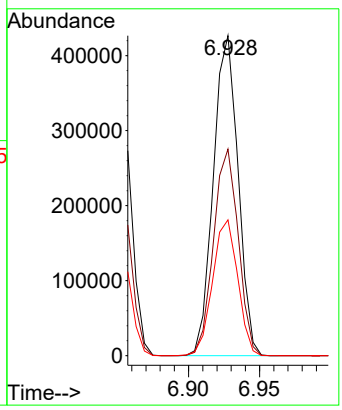




#13
1,4-Dichlorobenzene
Concen: 36.999 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:146 Resp: 51693

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.6	76.0
111	42.4	33.4	50.0



Instrument :
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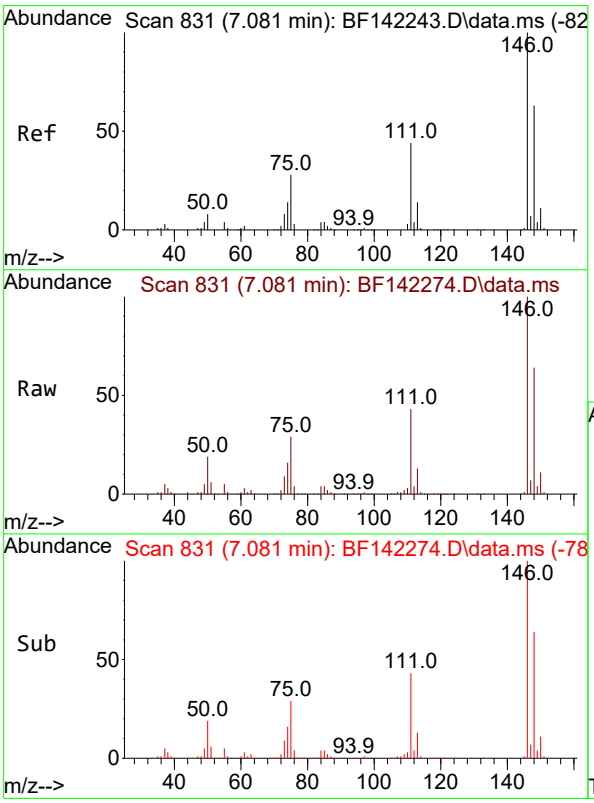
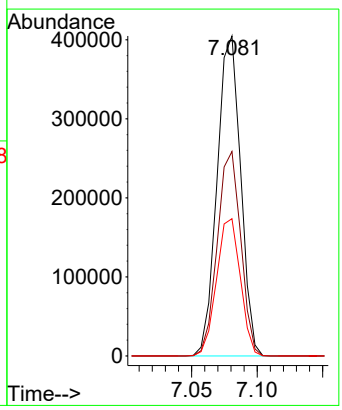
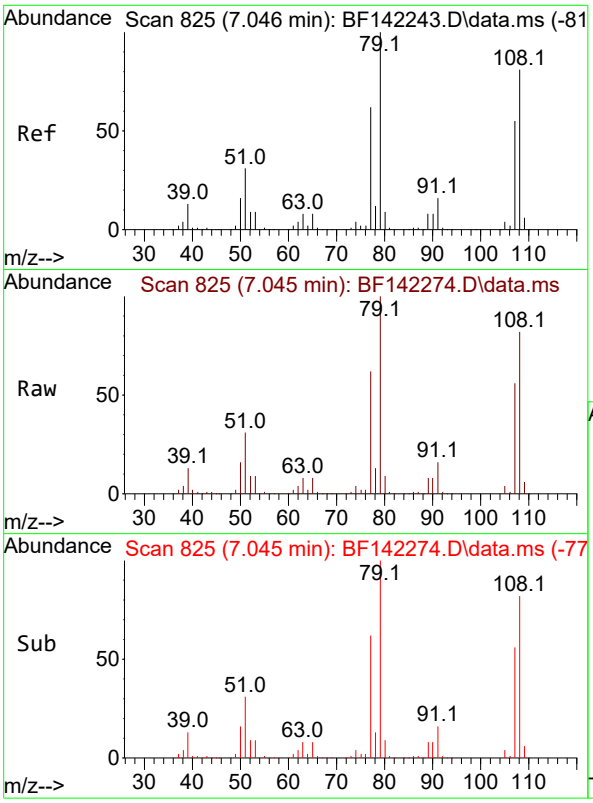


#14
1,2-Dichlorobenzene
Concen: 37.888 ng
RT: 7.081 min Scan# 831
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:146 Resp: 505354

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	42.9	34.9	52.3





#15
Benzyl Alcohol
Concen: 38.697 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 79 Resp: 39315

Ion	Ratio	Lower	Upper
79	100		
108	81.8	64.5	96.7
77	61.8	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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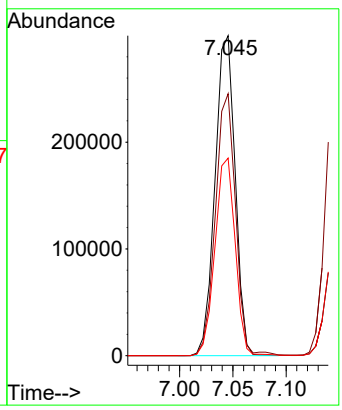
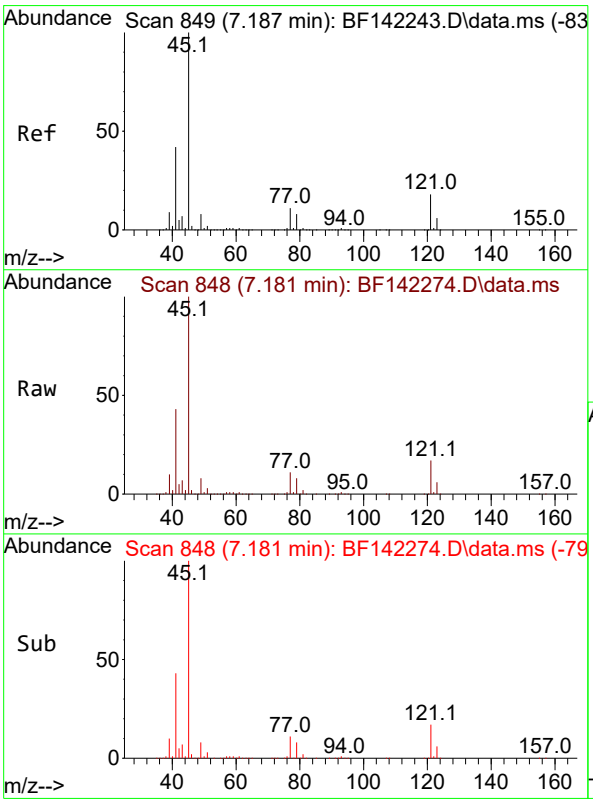
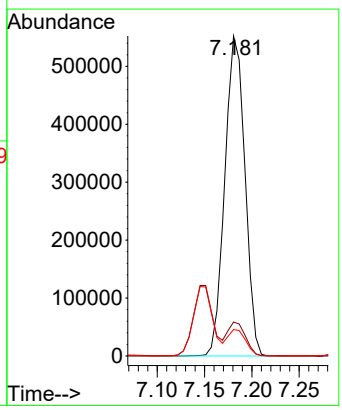


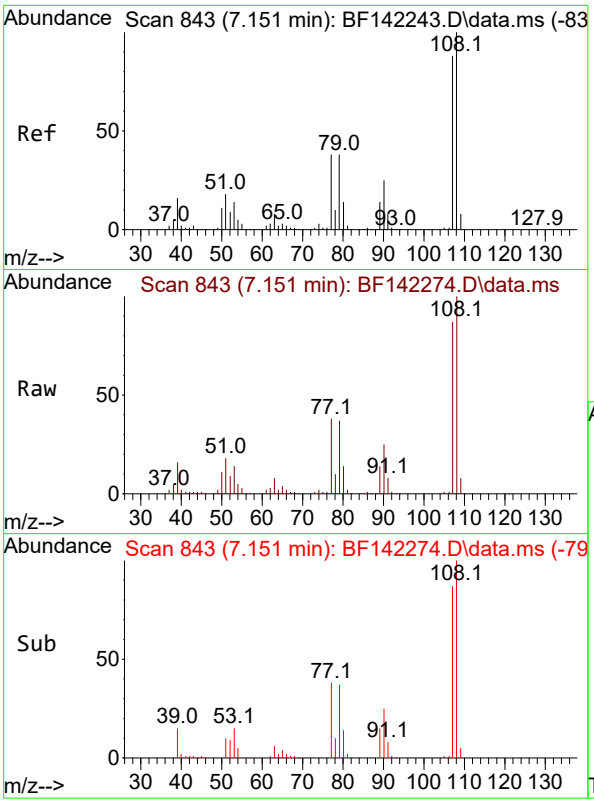


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.895 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 45 Resp: 817791

Ion	Ratio	Lower	Upper
45	100		
77	10.6	0.0	31.3
79	8.3	0.0	28.5

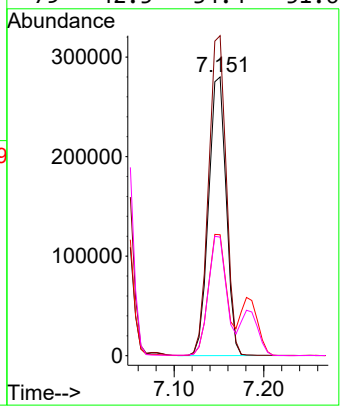




#17
2-Methylphenol
Concen: 37.931 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:107 Resp: 38090

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.0	136.4
77	43.4	34.4	51.6
79	42.5	34.4	51.6



Instrument :
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ClientSampleId :
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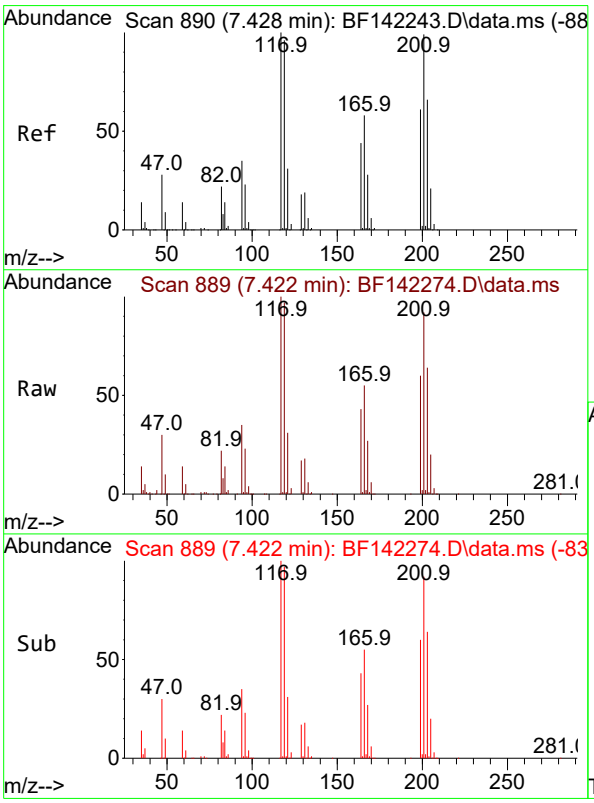
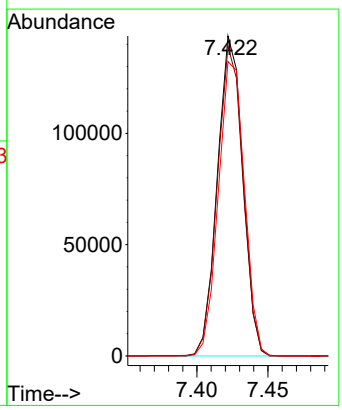
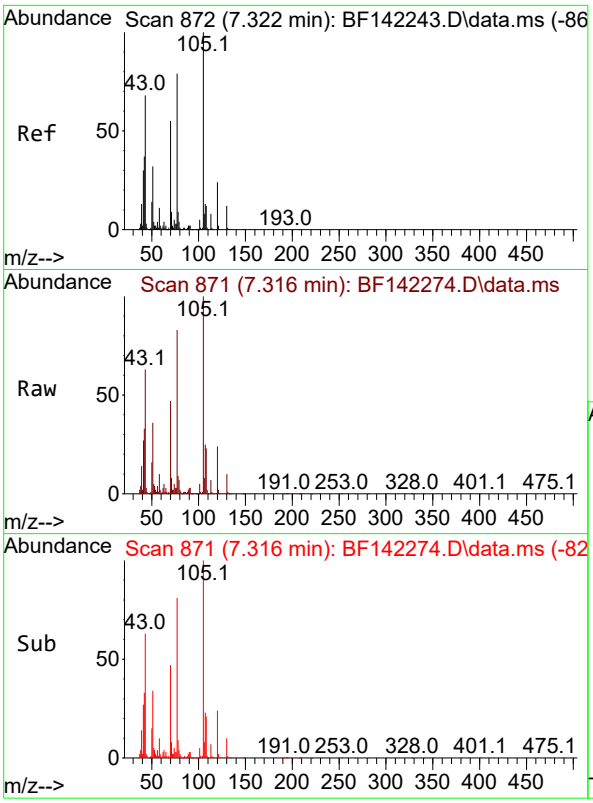


#18
Hexachloroethane
Concen: 39.190 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:117 Resp: 179209

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.1	115.7
201	92.0	79.4	119.2

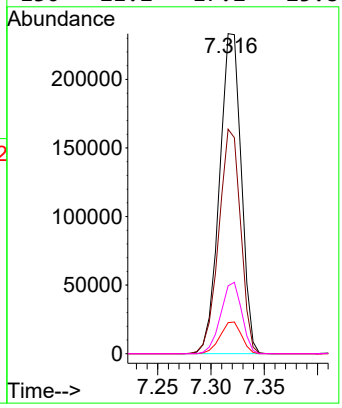




#19
n-Nitroso-di-n-propylamine
Concen: 37.373 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 70 Resp: 33083

Ion	Ratio	Lower	Upper
70	100		
42	70.2	53.4	80.2
101	9.7	7.7	11.5
130	21.2	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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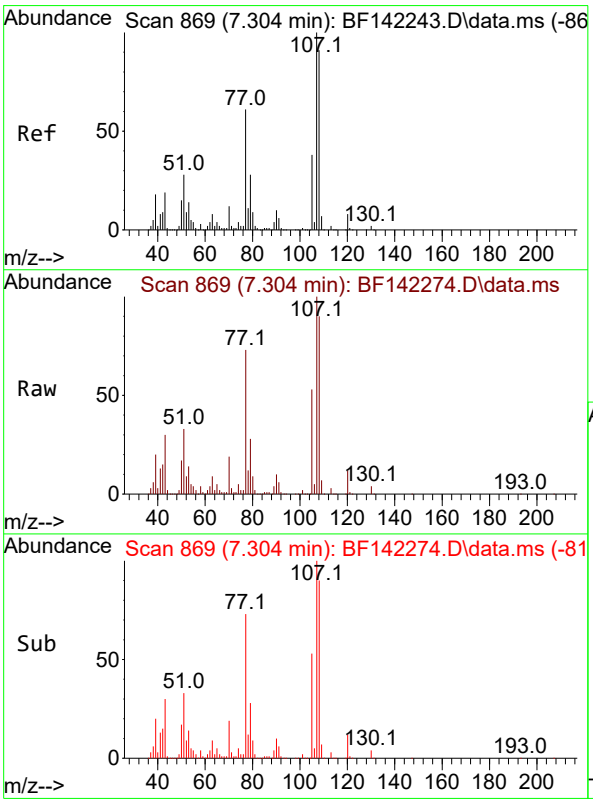
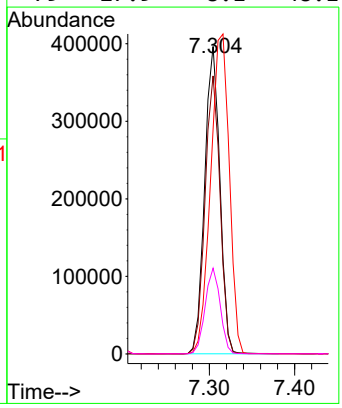
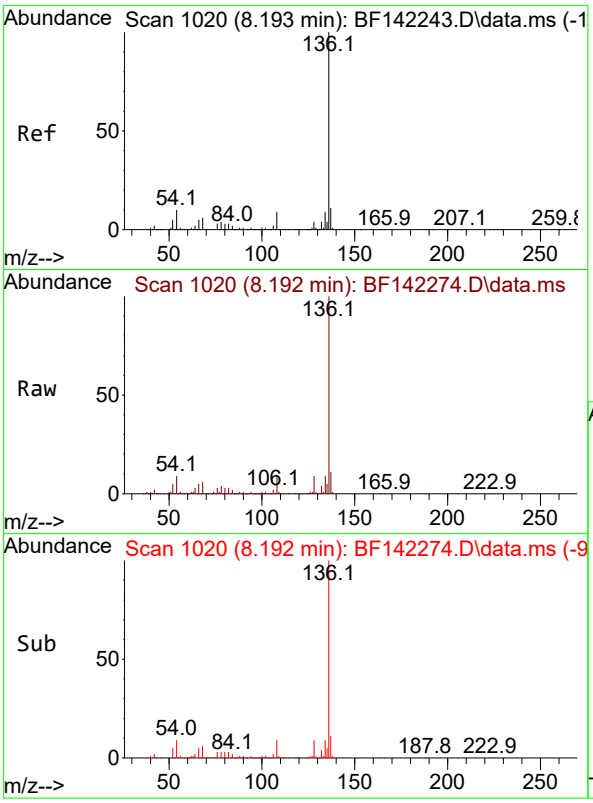


#20
3+4-Methylphenols
Concen: 39.062 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:107 Resp: 490537

Ion	Ratio	Lower	Upper
107	100		
108	90.4	71.2	111.2
77	73.0	41.1	81.1
79	27.9	8.1	48.1

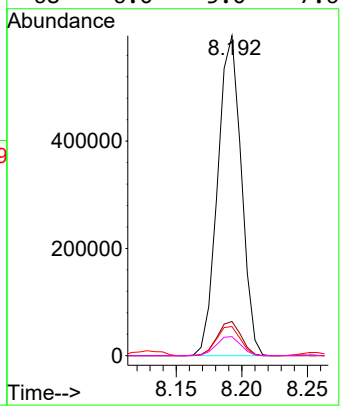




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:136 Resp: 74723

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	9.1	7.7	11.5
68	6.0	5.0	7.6



Instrument :
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ClientSampleId :
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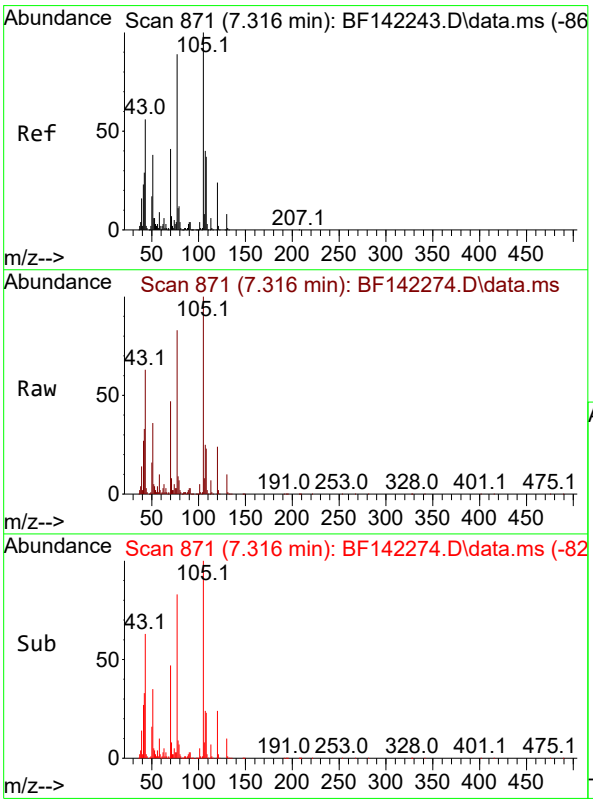
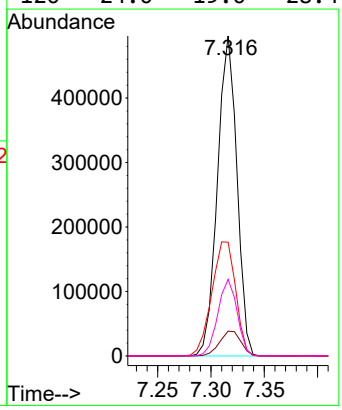
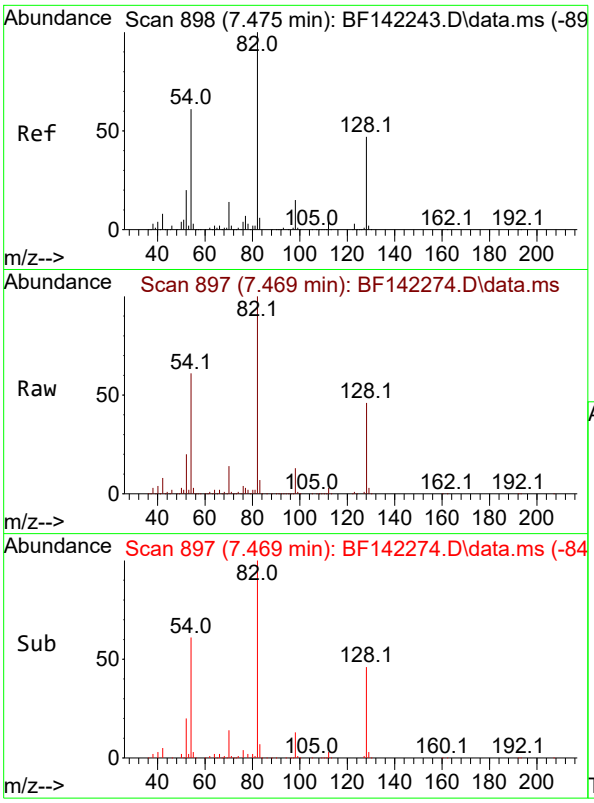


#22
Acetophenone
Concen: 36.381 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:105 Resp: 628918

Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.7	8.5
51	35.6	30.1	45.1
120	24.0	19.0	28.4





#23
Nitrobenzene-d5
Concen: 87.247 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 82 Resp: 99233

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	60.8	48.0	72.0

Instrument :
BNA_F
ClientSampleId :
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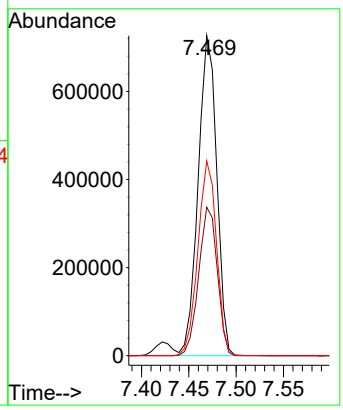
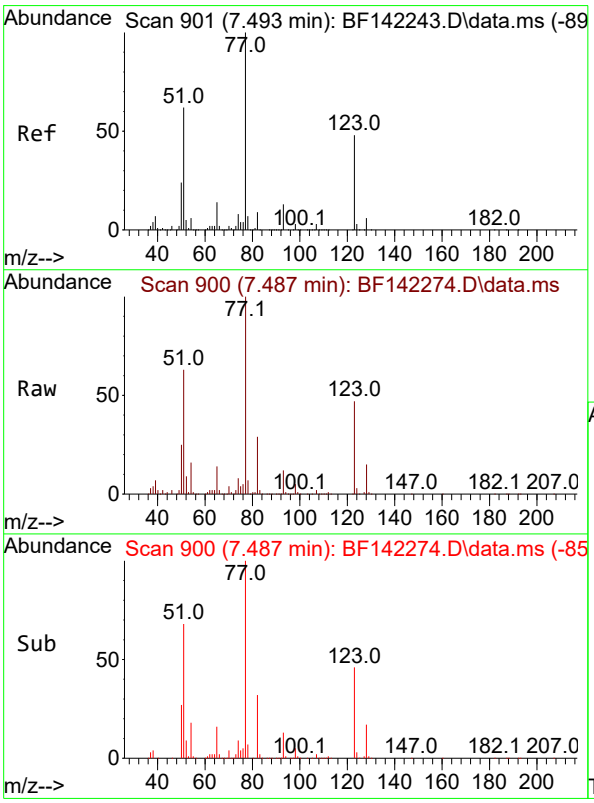
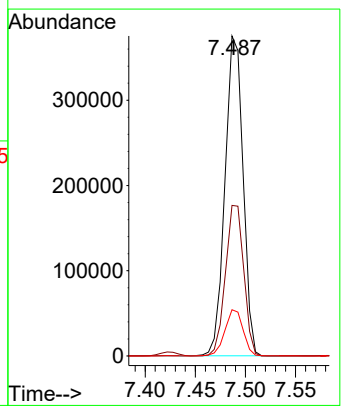


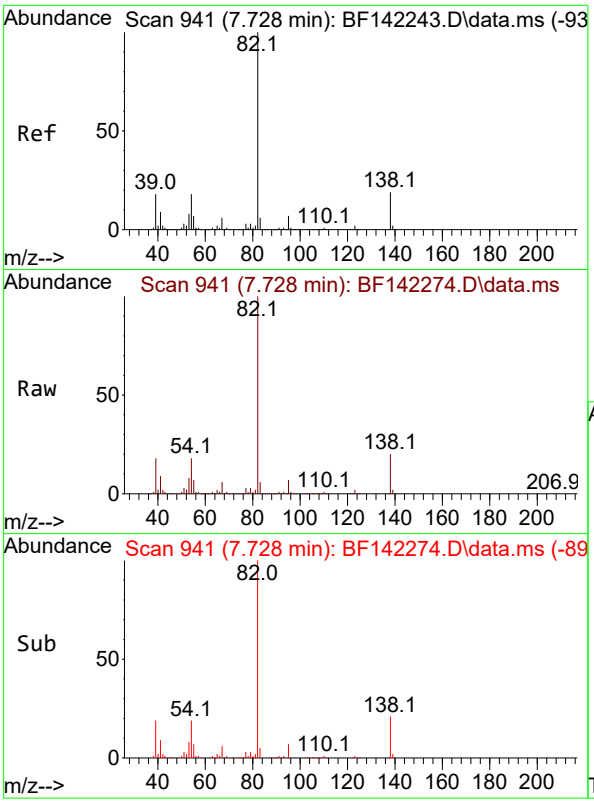


#24
Nitrobenzene
Concen: 42.143 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 77 Resp: 470320

Ion	Ratio	Lower	Upper
77	100		
123	47.0	38.6	58.0
65	14.5	11.5	17.3





#25
Isophorone
Concen: 36.800 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 82 Resp: 87844

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.7	15.3	22.9

Instrument :
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ClientSampleId :
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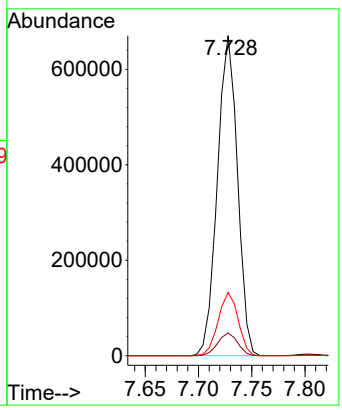
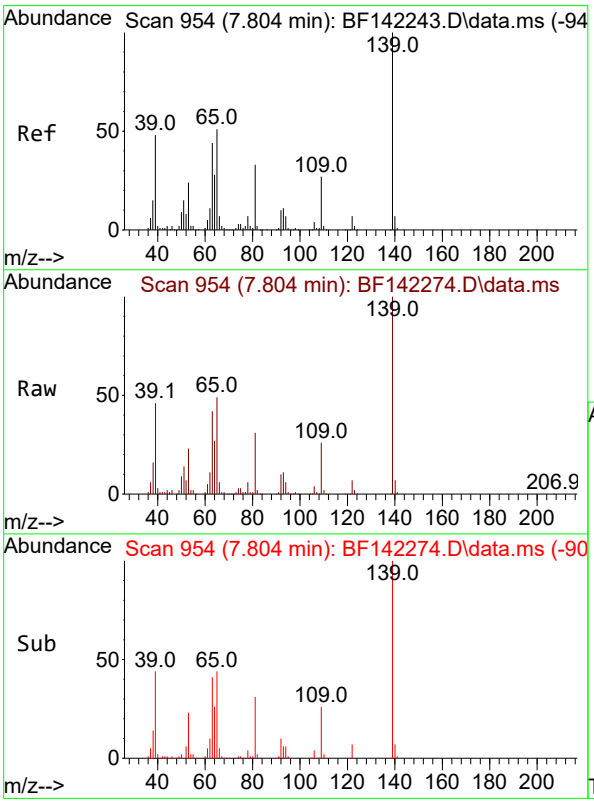
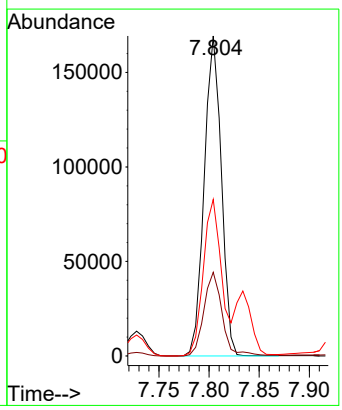


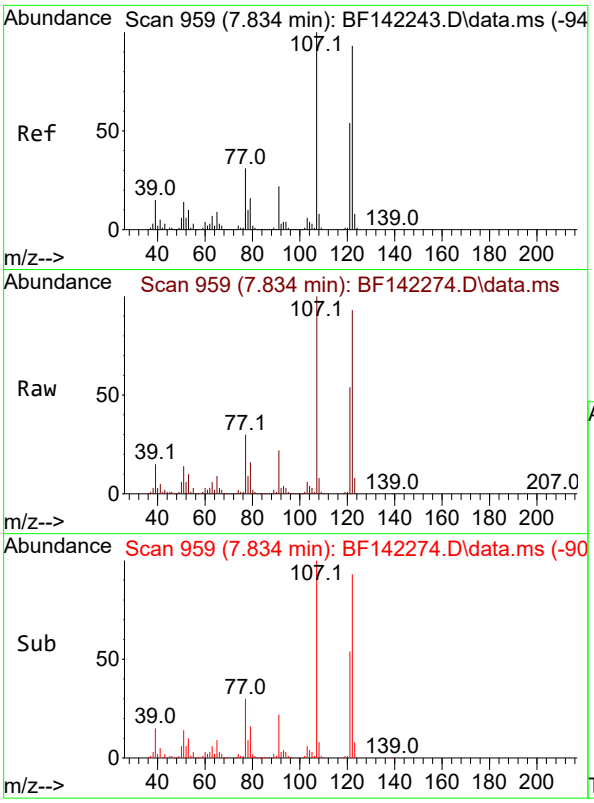


#26
2-Nitrophenol
Concen: 43.995 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:139 Resp: 201999

Ion	Ratio	Lower	Upper
139	100		
109	26.2	21.8	32.8
65	48.9	41.1	61.7

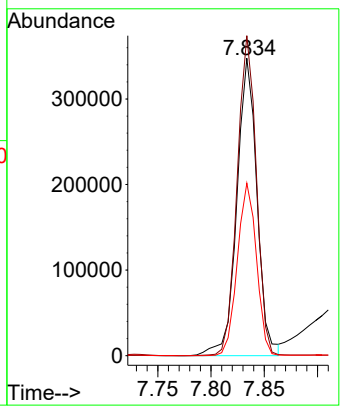




#27
2,4-Dimethylphenol
Concen: 38.087 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:122 Resp: 45838

Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.0	129.0
121	58.0	46.3	69.5



Instrument :
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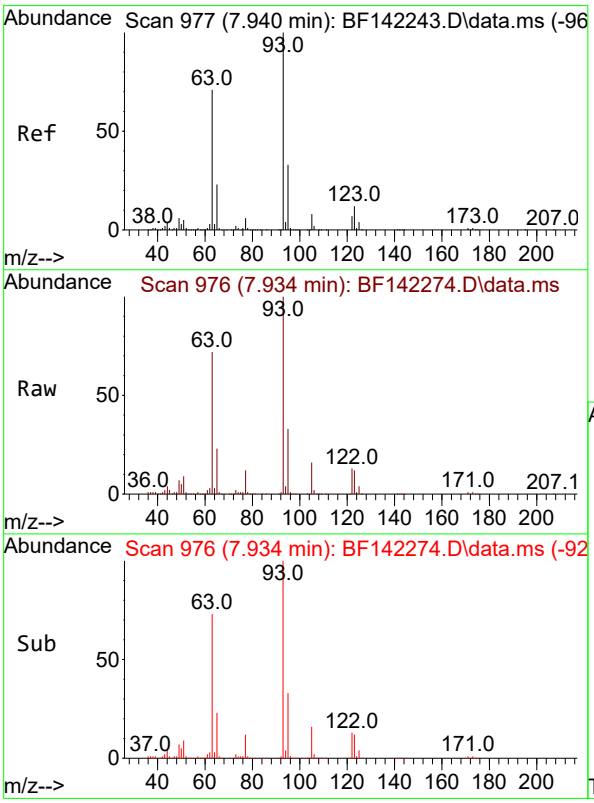
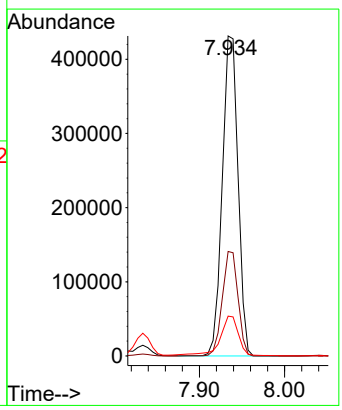
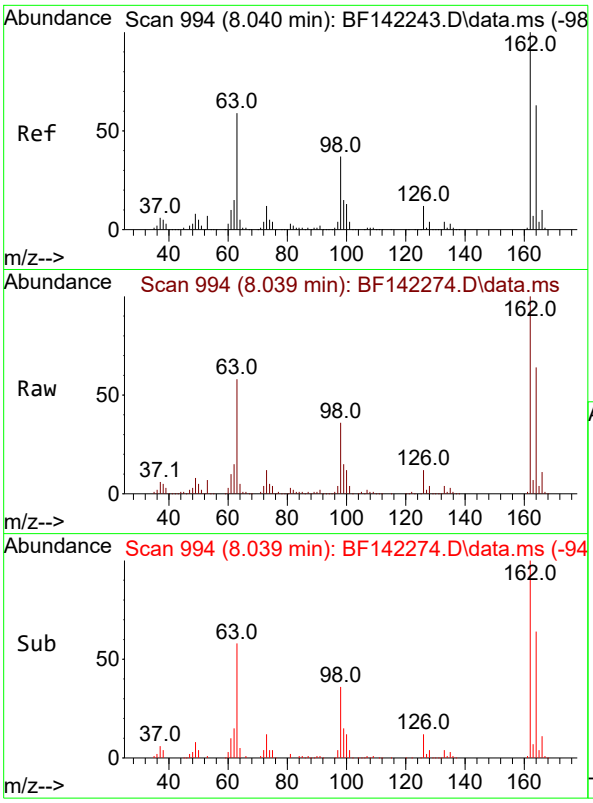


#28
bis(2-Chloroethoxy)methane
Concen: 36.730 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 93 Resp: 552958

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.4	9.7	14.5

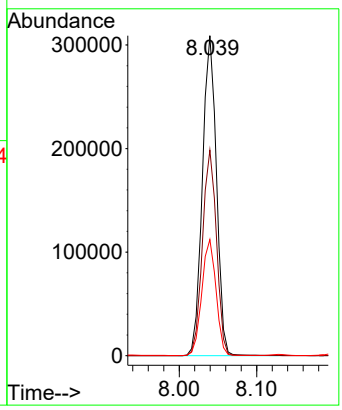




#29
2,4-Dichlorophenol
Concen: 38.714 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:162 Resp: 38953

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.0	83.0
98	36.3	16.7	56.7



Instrument :
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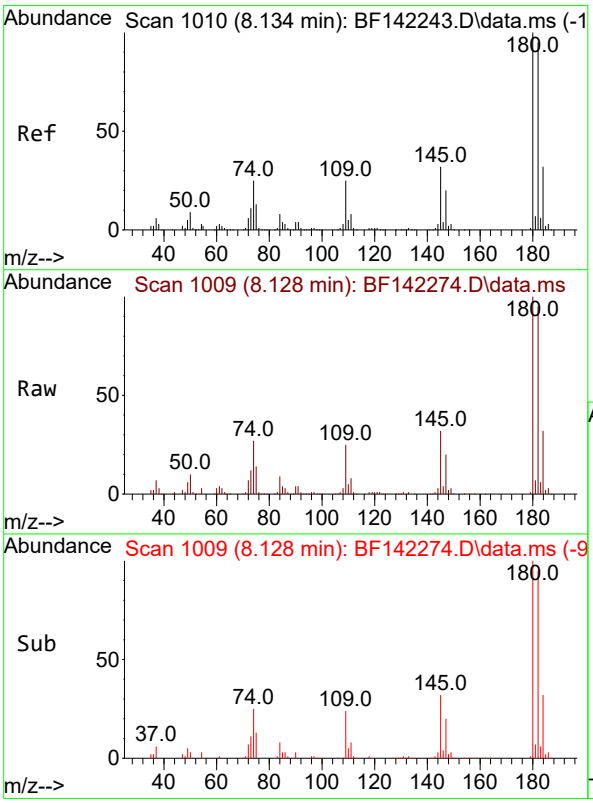
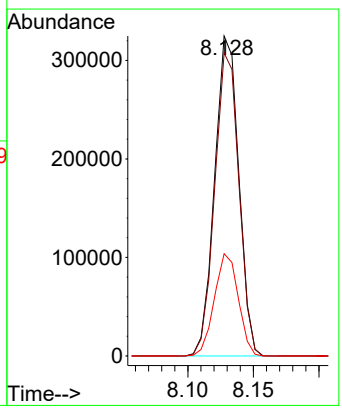
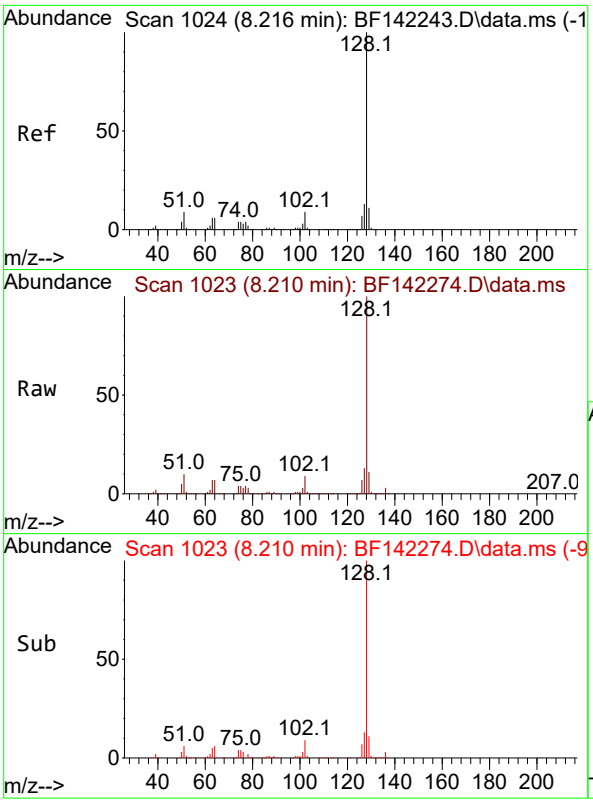


#30
1,2,4-Trichlorobenzene
Concen: 36.954 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:180 Resp: 414934

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	32.0	25.4	38.0





#31
Naphthalene
Concen: 36.602 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:128 Resp: 136397

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.0	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
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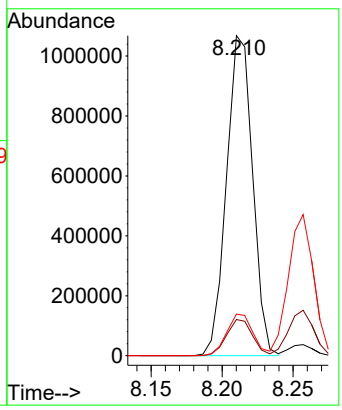
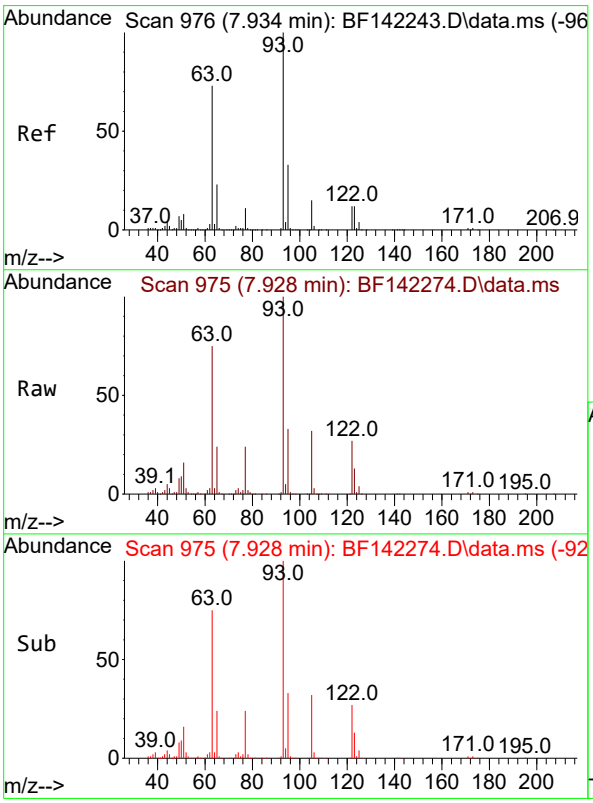
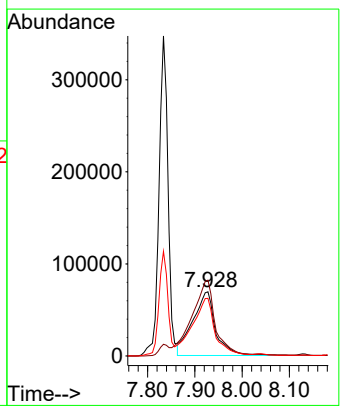


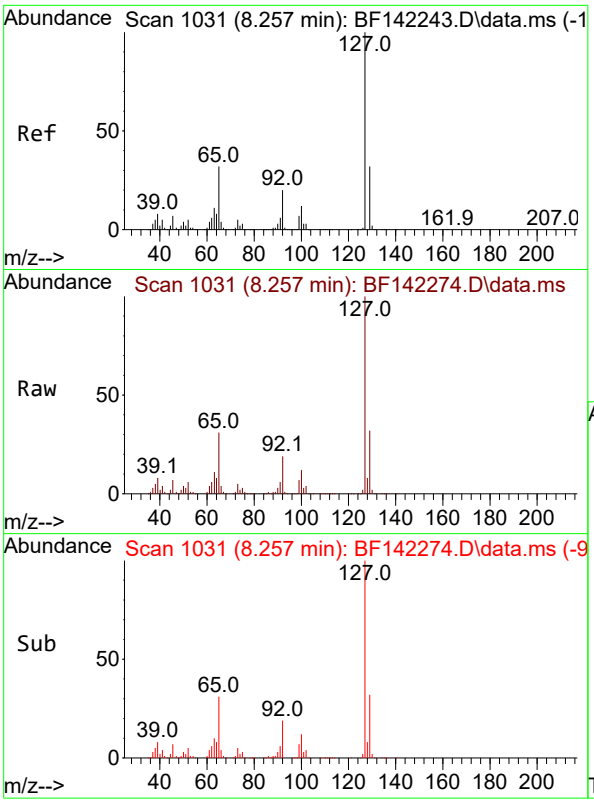


#32
Benzoic acid
Concen: 42.364 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:122 Resp: 233233

Ion	Ratio	Lower	Upper
122	100		
105	118.1	98.2	138.2
77	89.8	66.8	106.8

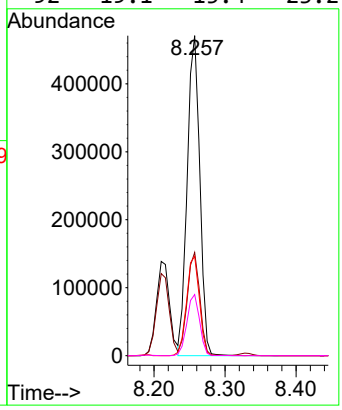




#33
4-Chloroaniline
Concen: 37.373 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:127 Resp: 57995

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	31.1	25.5	38.3
92	19.1	15.4	23.2



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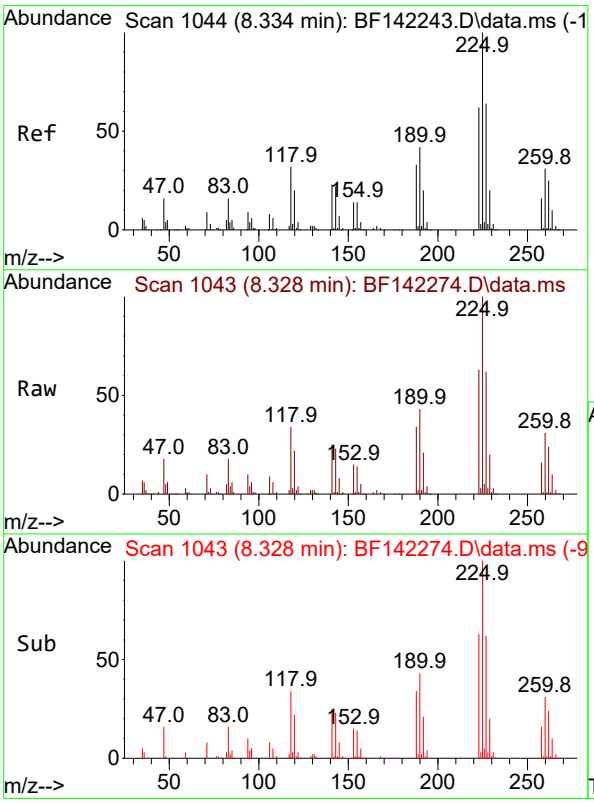
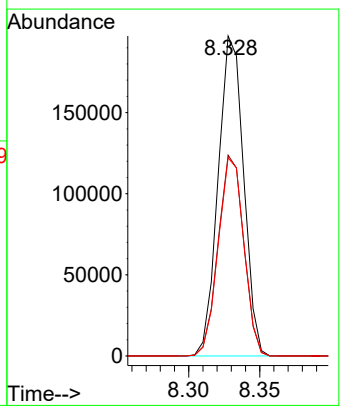
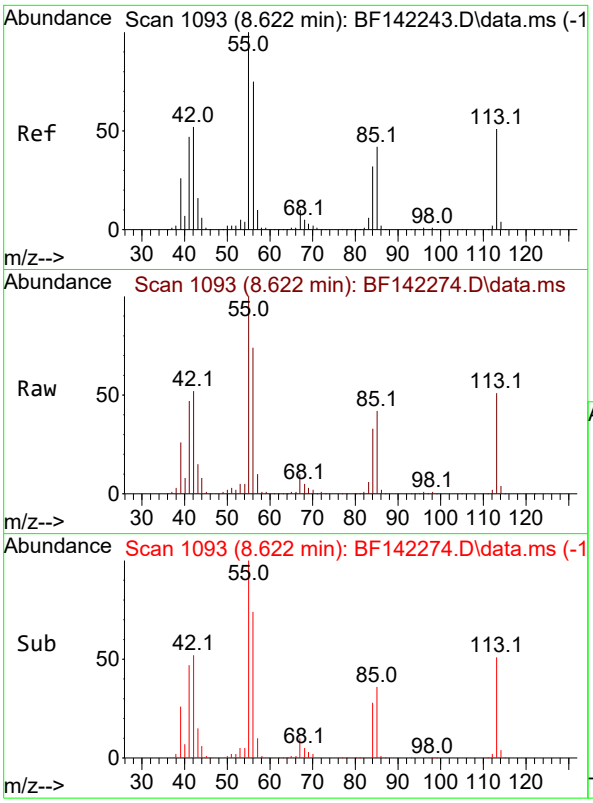


#34
Hexachlorobutadiene
Concen: 37.512 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:225 Resp: 245743

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.7	74.5
227	62.0	51.0	76.4

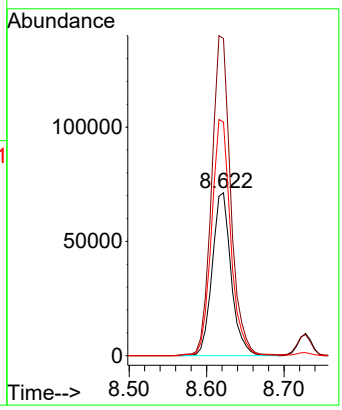




#35
Caprolactam
Concen: 39.988 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:113 Resp: 12093

Ion	Ratio	Lower	Upper
113	100		
55	194.6	177.7	217.7
56	143.4	127.1	167.1



Instrument :
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ClientSampleId :
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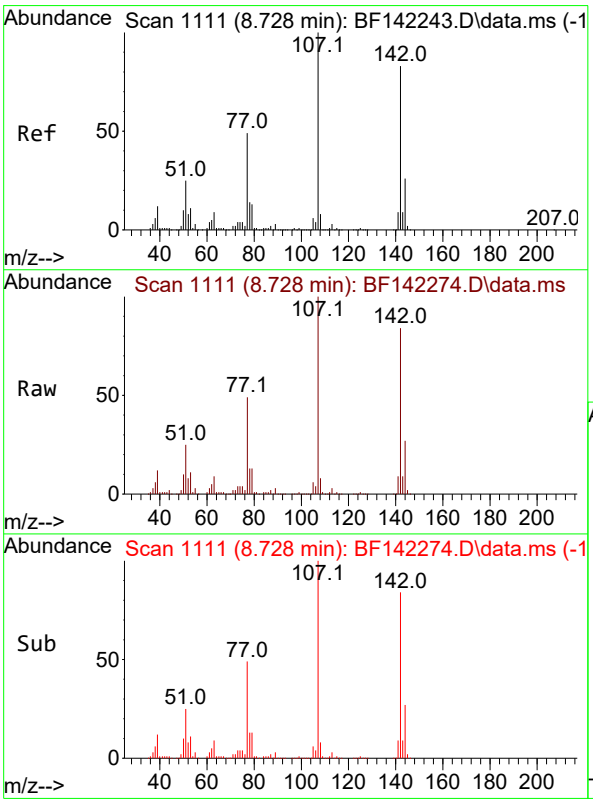
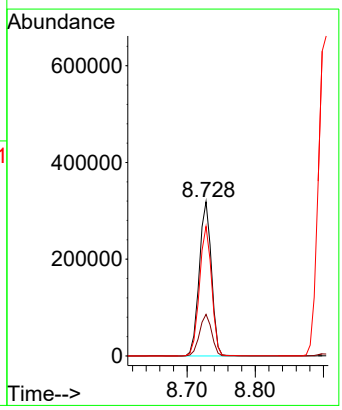
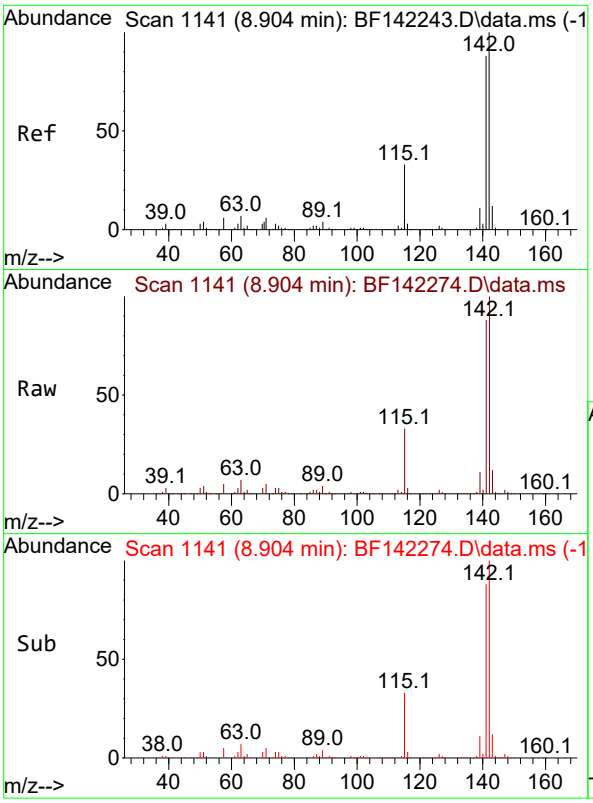


#36
4-Chloro-3-methylphenol
Concen: 38.463 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:107 Resp: 397404

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.0	31.4
142	84.0	66.1	99.1

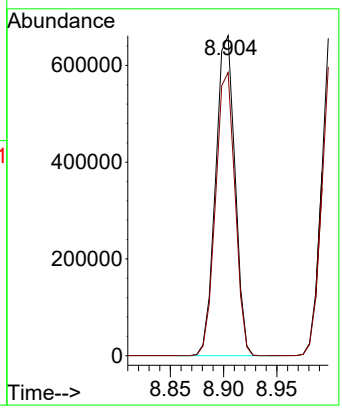




#37
2-Methylnaphthalene
Concen: 36.551 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:142 Resp: 83744

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.5	105.7



Instrument :
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ClientSampleId :
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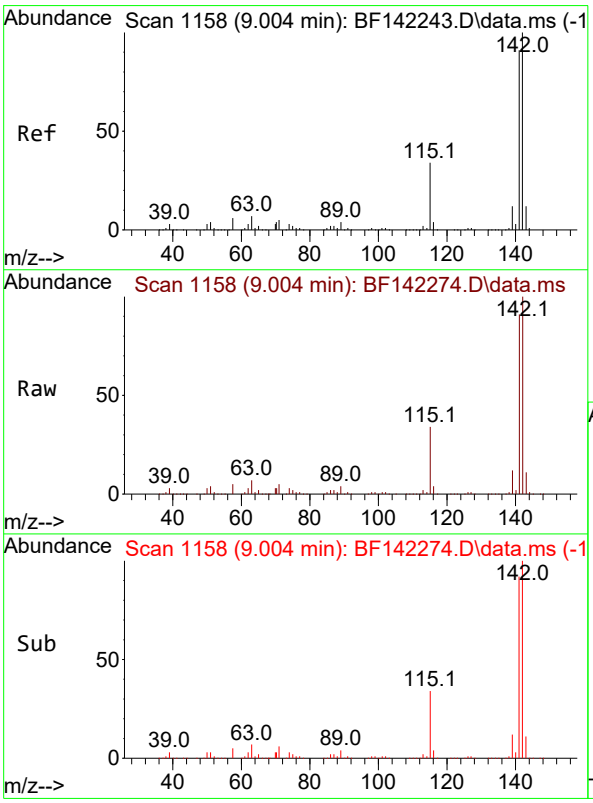
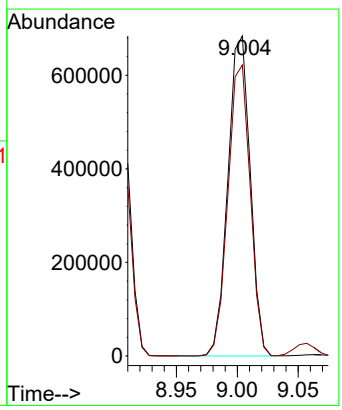
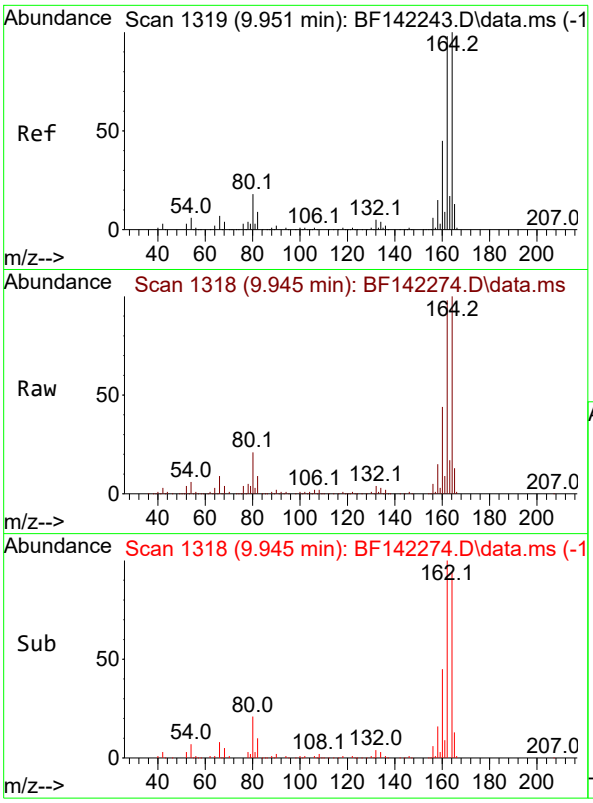


#38
1-Methylnaphthalene
Concen: 36.702 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:142 Resp: 871131

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.8	109.2

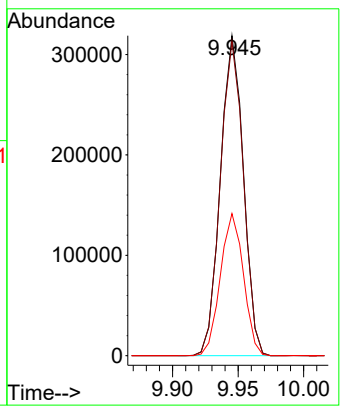




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:164 Resp: 38902

Ion	Ratio	Lower	Upper
164	100		
162	98.2	78.6	117.8
160	44.4	35.7	53.5



Instrument :
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ClientSampleId :
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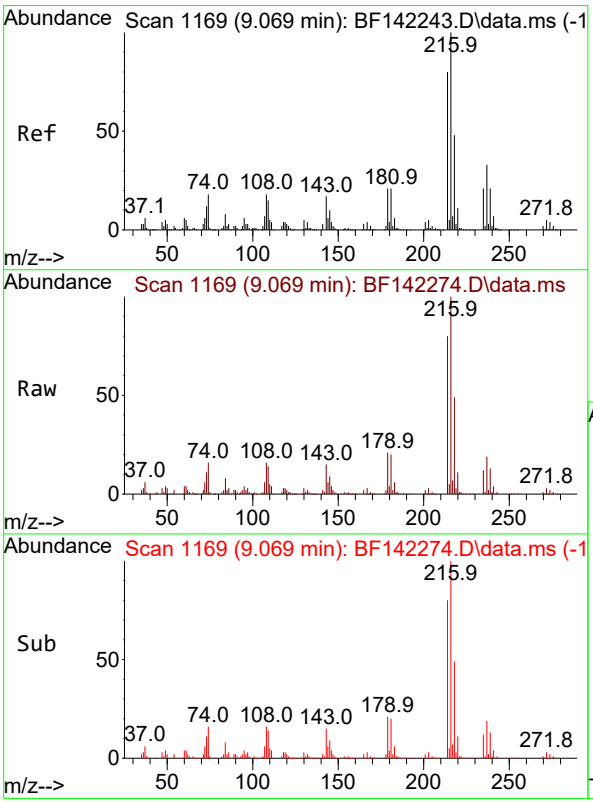
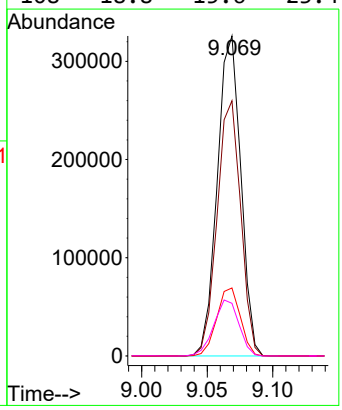
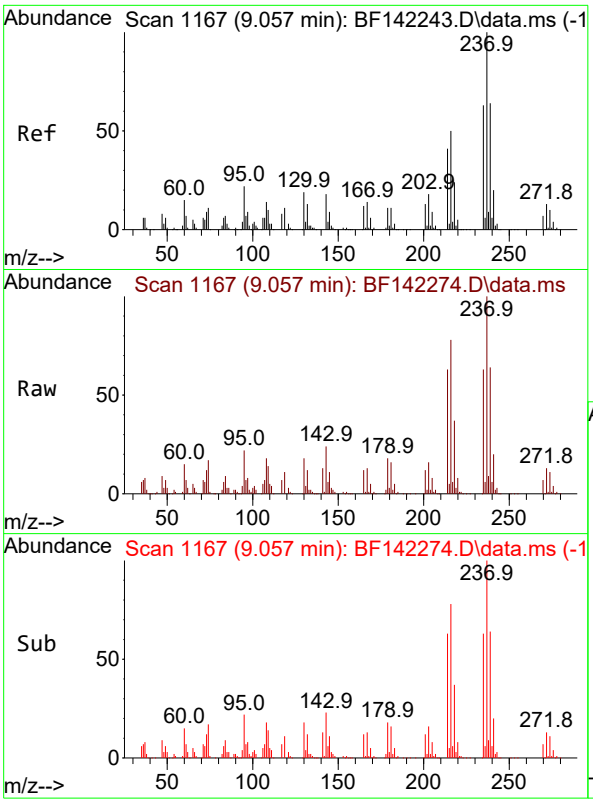


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.065 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:216 Resp: 405798

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.8	95.6
179	21.4	16.7	25.1
108	18.8	15.6	23.4

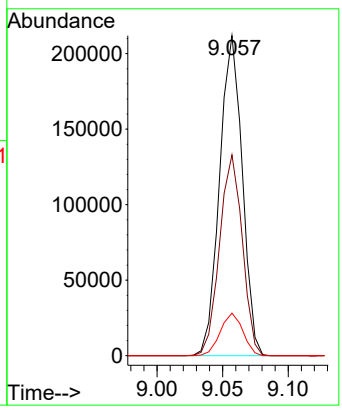




#41
Hexachlorocyclopentadiene
Concen: 40.985 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:237 Resp: 25467

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.5	83.5
272	13.3	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
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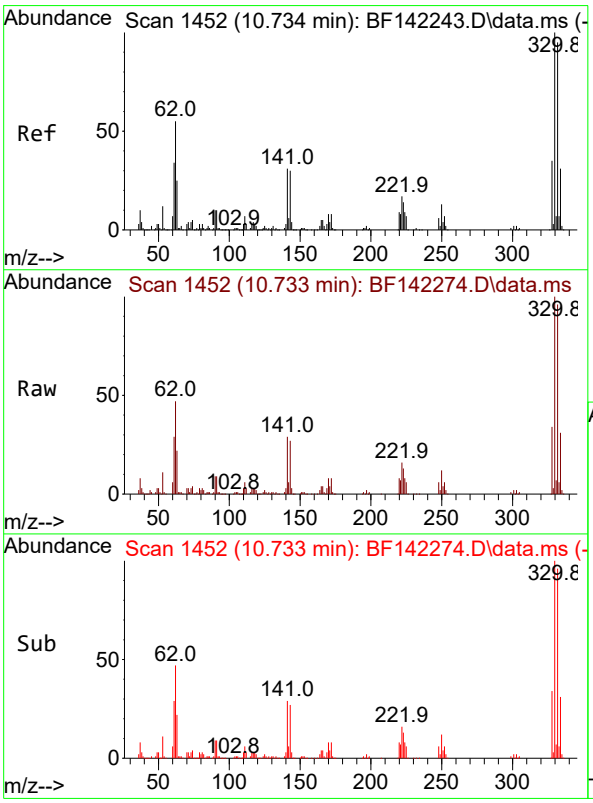
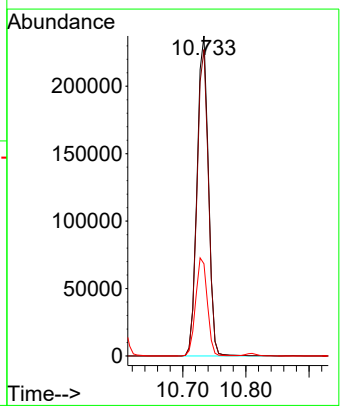
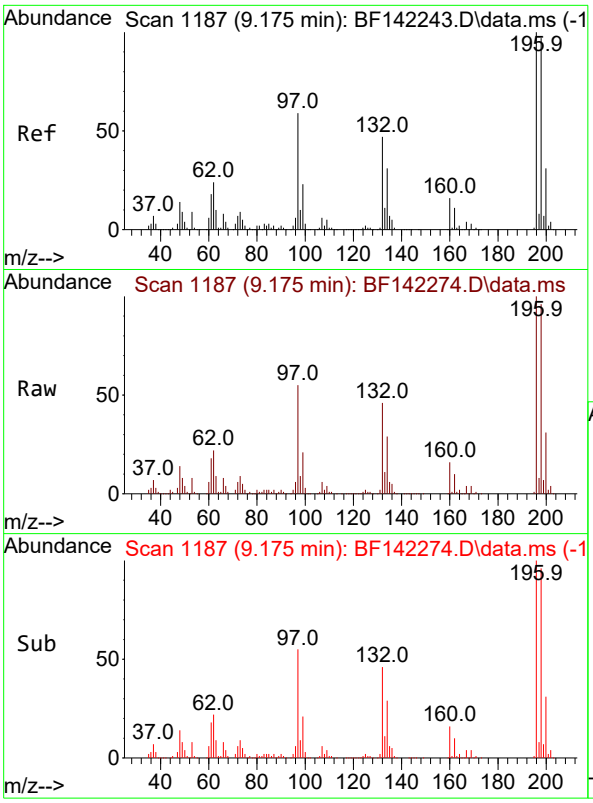


#42
2,4,6-Tribromophenol
Concen: 83.329 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:330 Resp: 295525

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.5	114.7
141	31.6	24.3	36.5

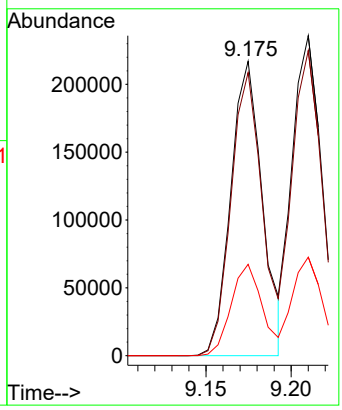




#43
2,4,6-Trichlorophenol
Concen: 41.332 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:196 Resp: 28041

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.4	116.2
200	31.1	24.6	37.0



Instrument :
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ClientSampleId :
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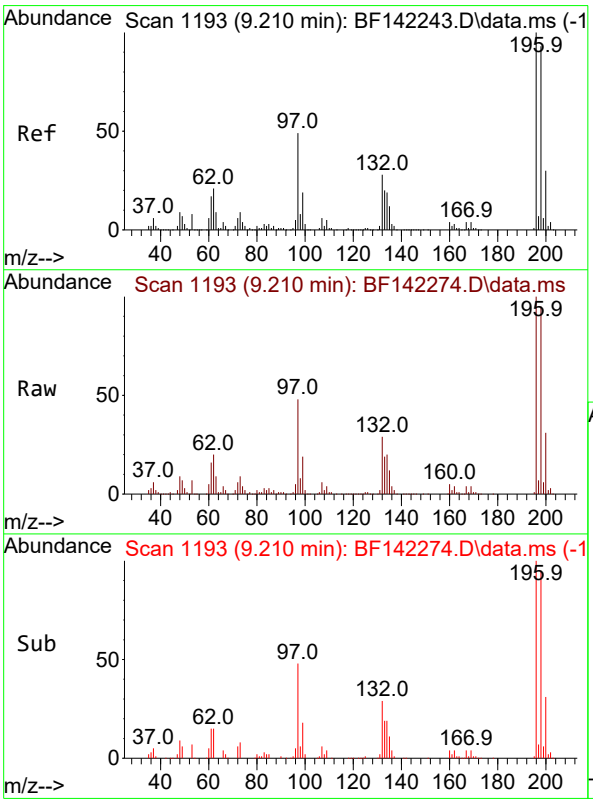
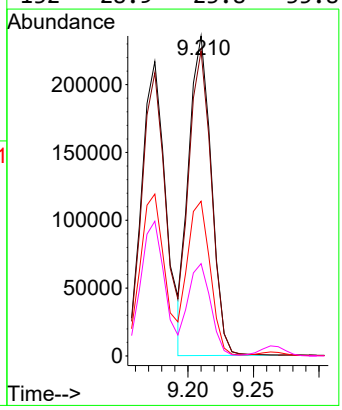
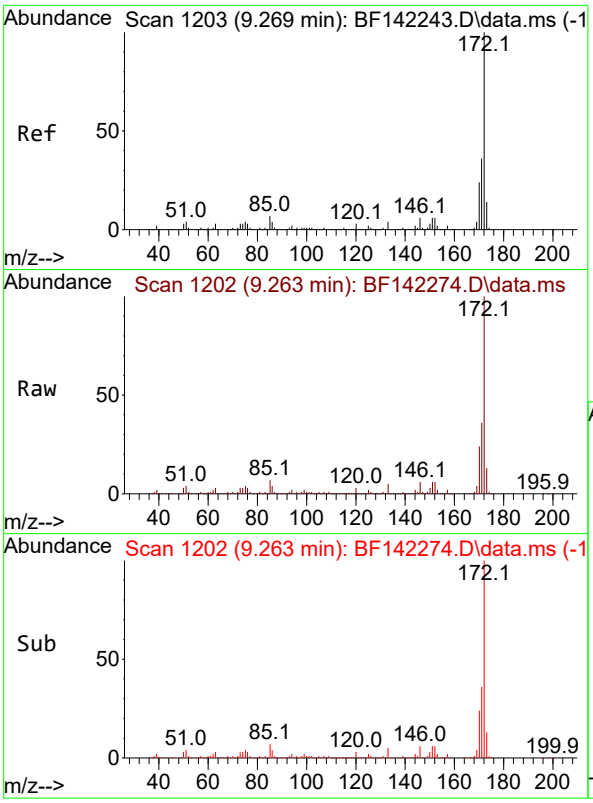


#44
2,4,5-Trichlorophenol
Concen: 39.611 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:196 Resp: 282545

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.2	112.8
97	48.3	39.8	59.8
132	28.9	23.8	35.8

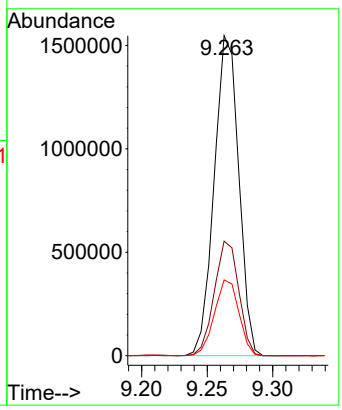




#45
2-Fluorobiphenyl
Concen: 72.935 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:172 Resp: 201235

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	23.7	19.4	29.0



Instrument :
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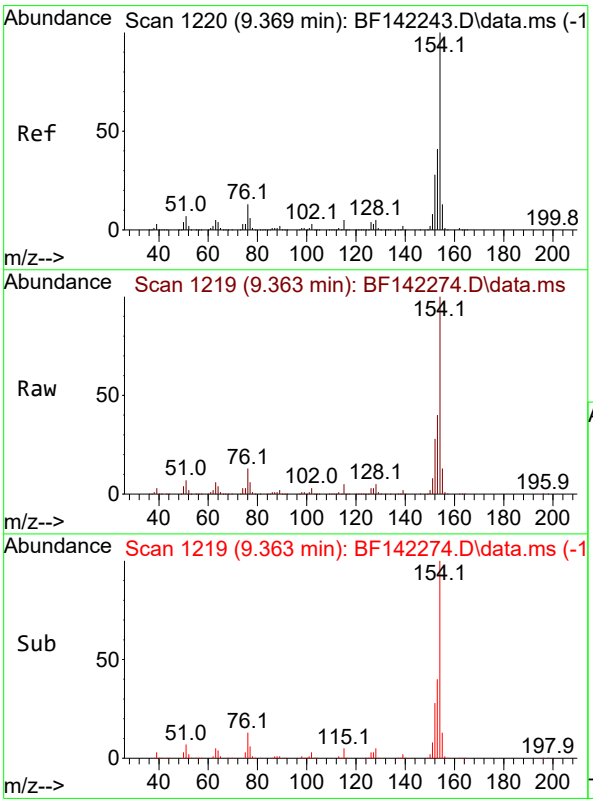
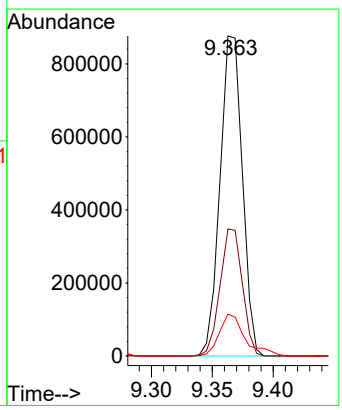
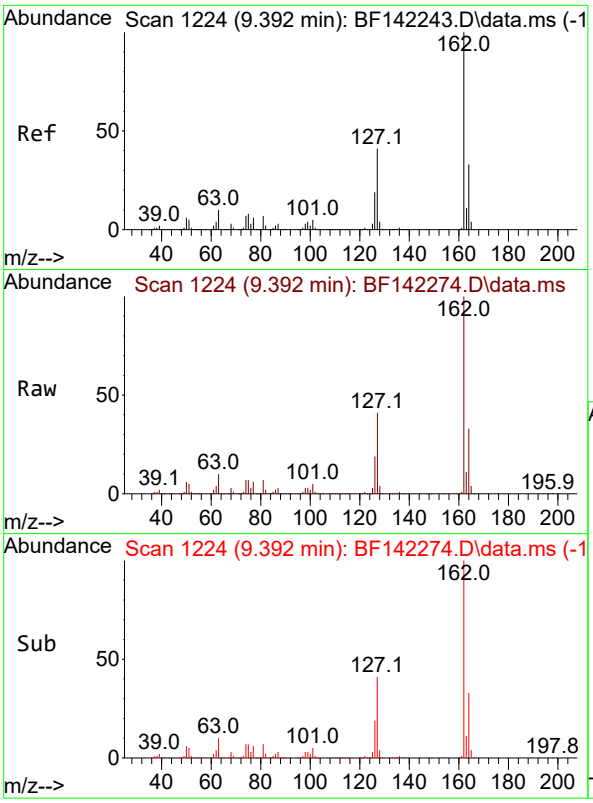


#46
1,1'-Biphenyl
Concen: 36.988 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:154 Resp: 1118632

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.5	60.5
76	13.1	0.0	32.8





#47
2-Chloronaphthalene
Concen: 37.021 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:162 Resp: 83300

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.6	49.0
164	32.9	26.1	39.1

Instrument :
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ClientSampleId :
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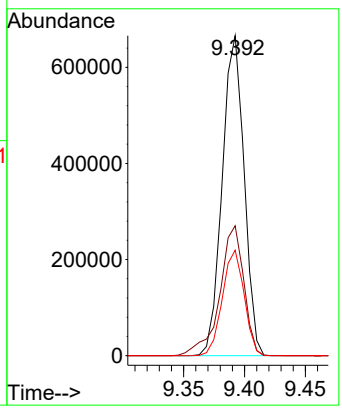
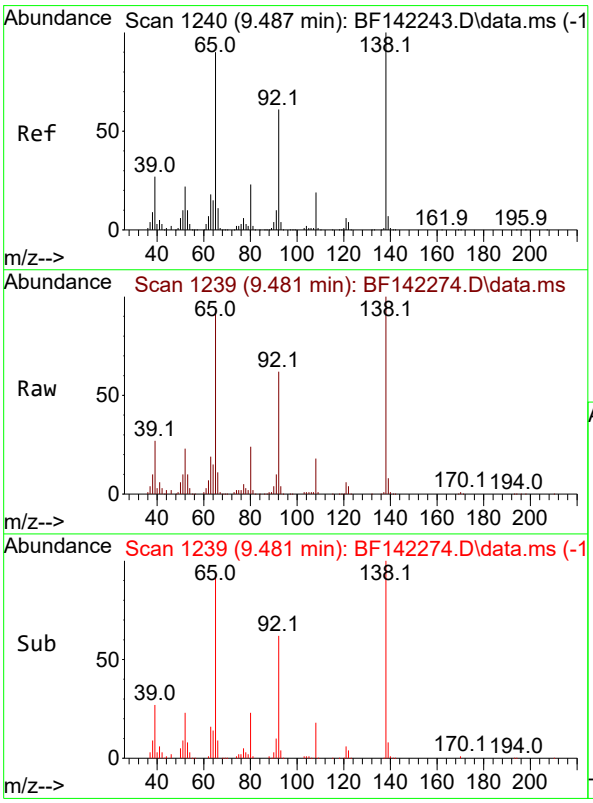
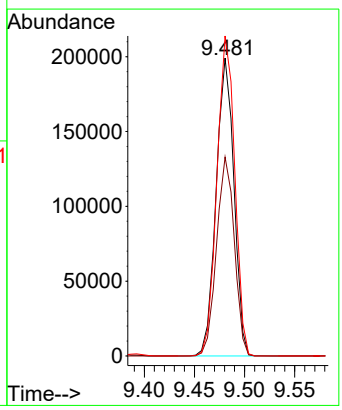


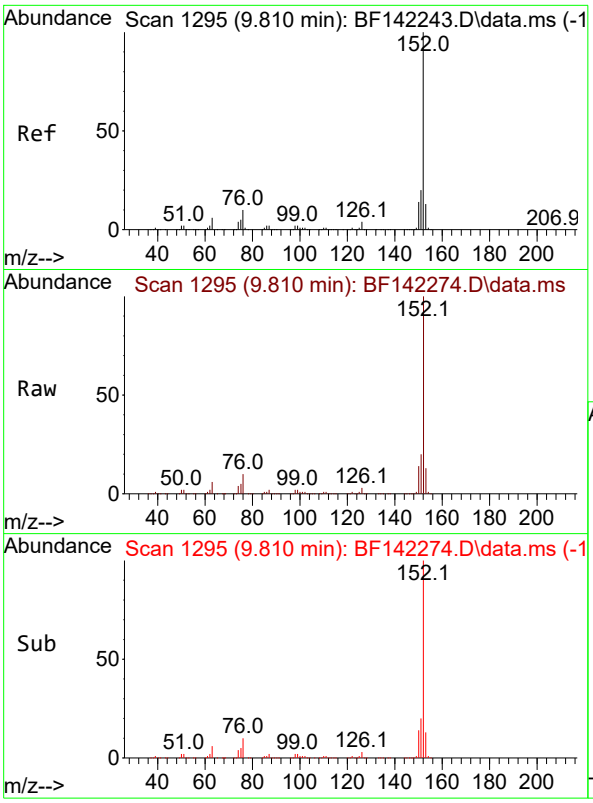


#48
2-Nitroaniline
Concen: 42.014 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion: 65 Resp: 245382

Ion	Ratio	Lower	Upper
65	100		
92	66.8	54.3	81.5
138	107.4	88.6	133.0





#49
Acenaphthylene
Concen: 37.062 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:152 Resp: 140724

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.3	10.7	16.1

Instrument :
BNA_F
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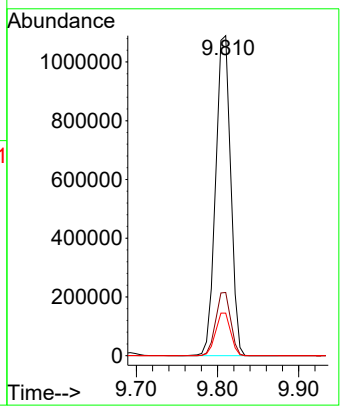
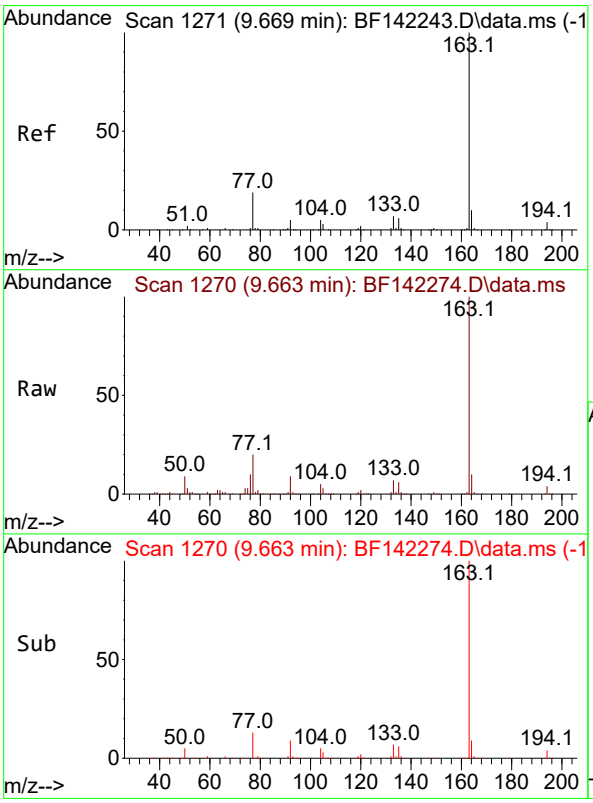
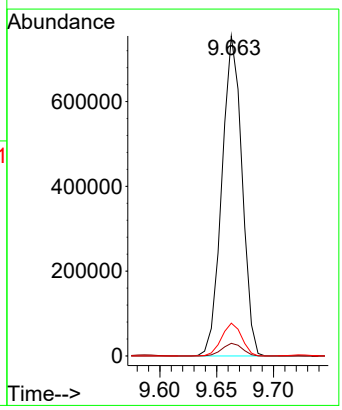


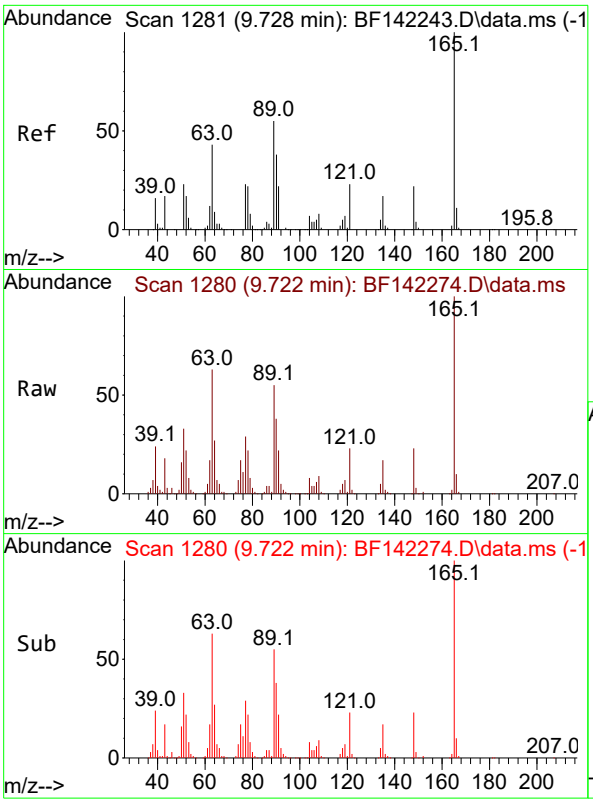


#50
Dimethylphthalate
Concen: 37.413 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:163 Resp: 931138

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 40.686 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:165 Resp: 19102

Ion	Ratio	Lower	Upper
165	100		
63	63.3	48.5	72.7
89	55.3	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
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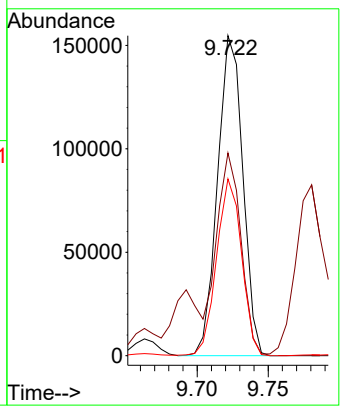
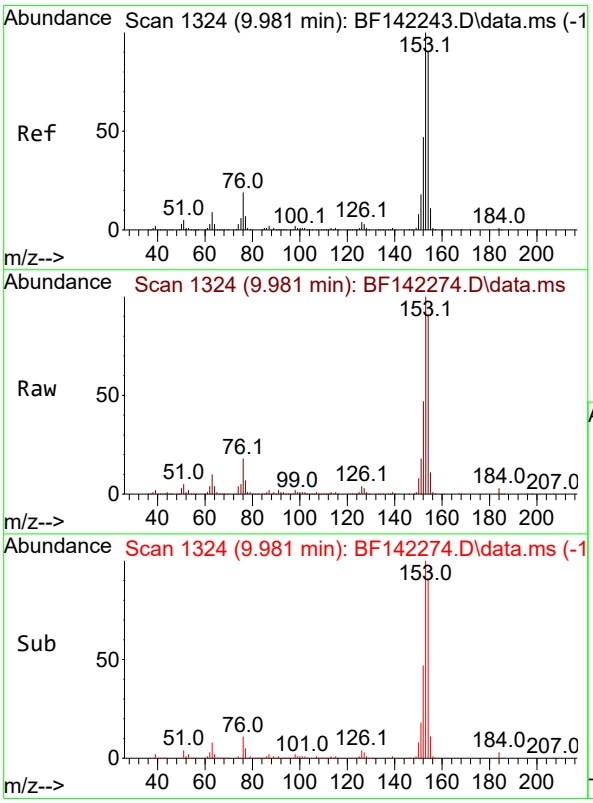
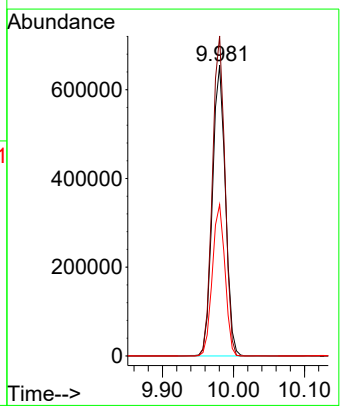


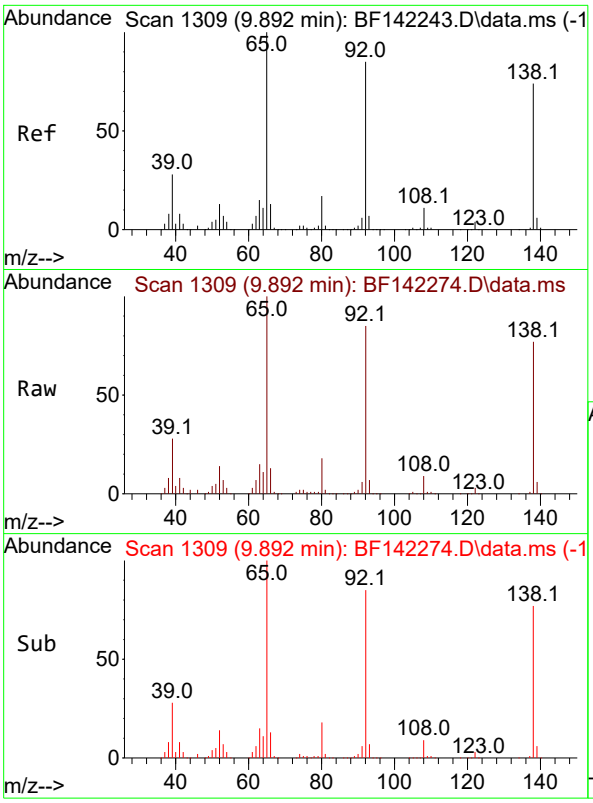


#52
Acenaphthene
Concen: 37.558 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:154 Resp: 832658

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.6	133.0
152	52.1	42.1	63.1

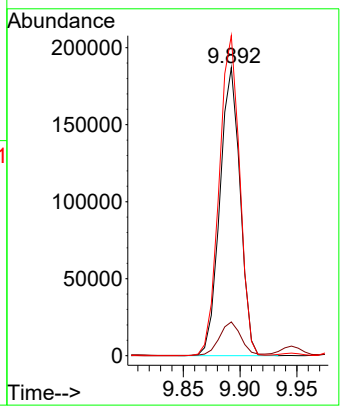




#53
3-Nitroaniline
Concen: 40.499 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:138 Resp: 23207

Ion	Ratio	Lower	Upper
138	100		
108	11.7	11.7	17.5
92	111.1	91.2	136.8



Instrument :
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ClientSampleId :
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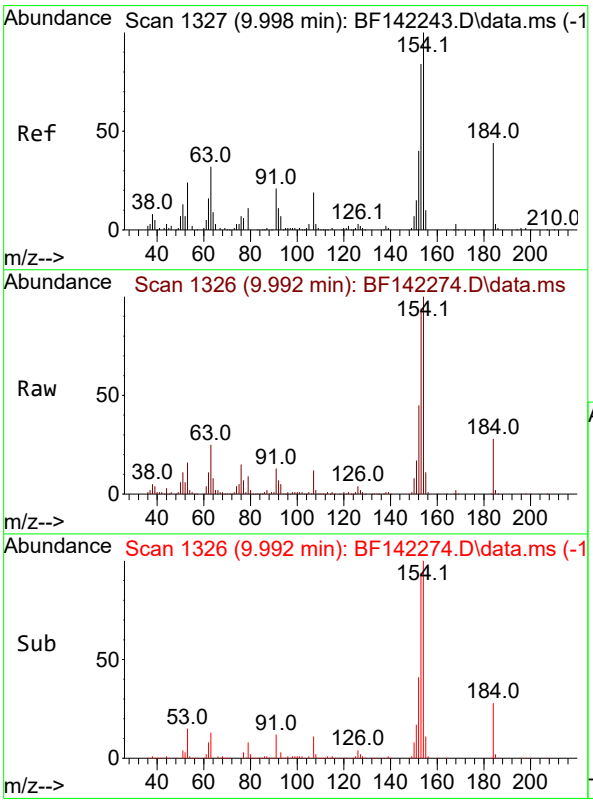
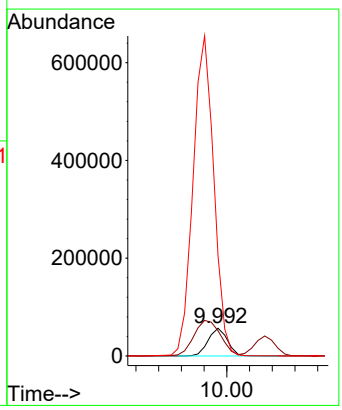
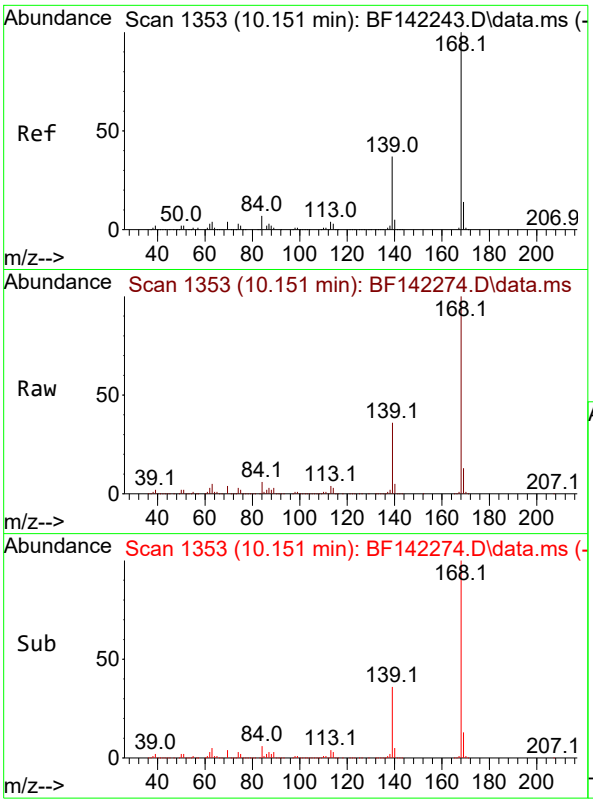


#54
2,4-Dinitrophenol
Concen: 50.599 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:184 Resp: 66816

Ion	Ratio	Lower	Upper
184	100		
63	90.7	69.2	103.8
154	361.3	271.4	407.2

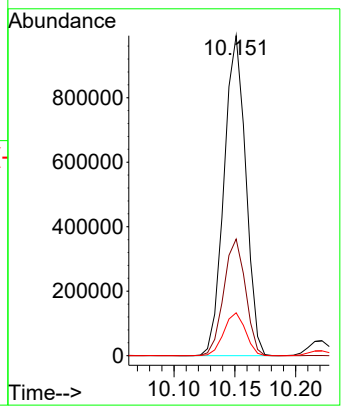




#55
Dibenzofuran
Concen: 37.015 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:168 Resp: 123012

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.4	44.0
169	13.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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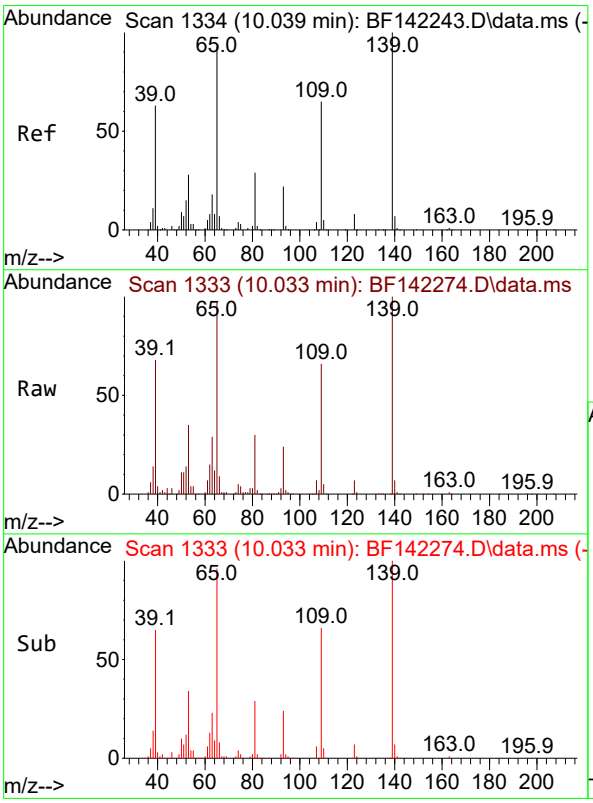
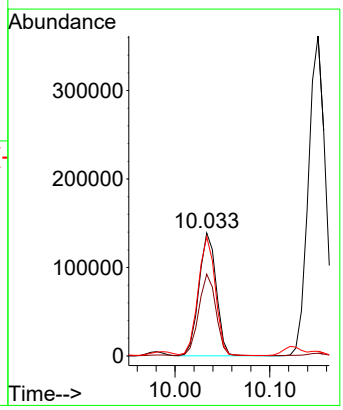
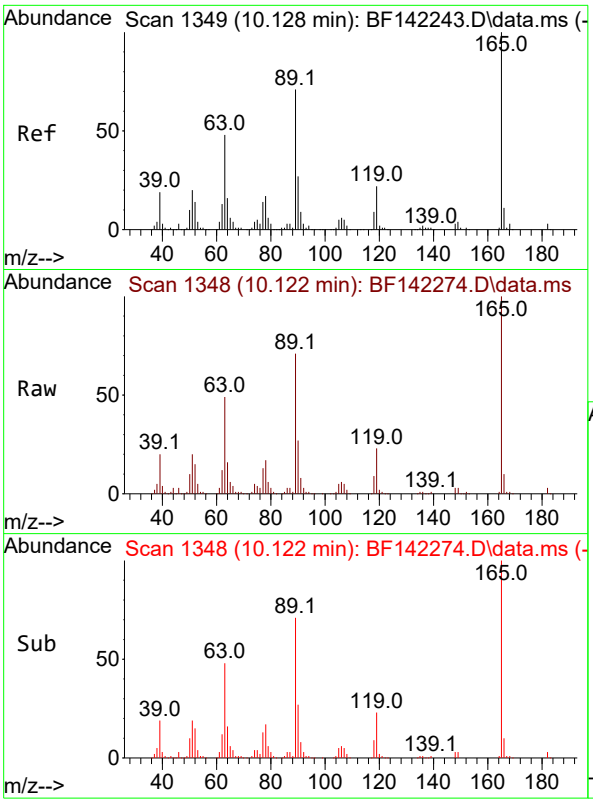


#56
4-Nitrophenol
Concen: 45.101 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:139 Resp: 176430

Ion	Ratio	Lower	Upper
139	100		
109	66.5	44.9	84.9
65	97.0	74.7	114.7

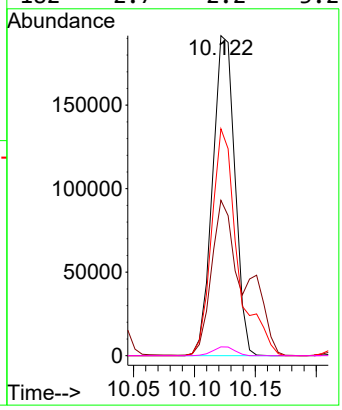




#57
2,4-Dinitrotoluene
Concen: 42.928 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:165 Resp: 24464

Ion	Ratio	Lower	Upper
165	100		
63	48.6	38.8	58.2
89	70.9	57.1	85.7
182	2.7	2.2	3.2



Instrument :
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ClientSampleId :
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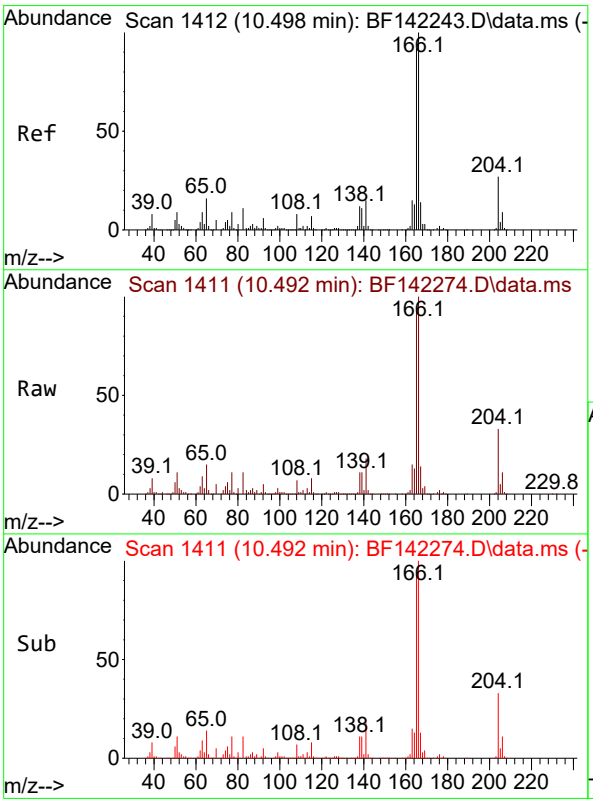
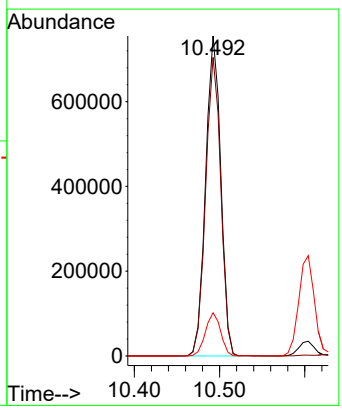
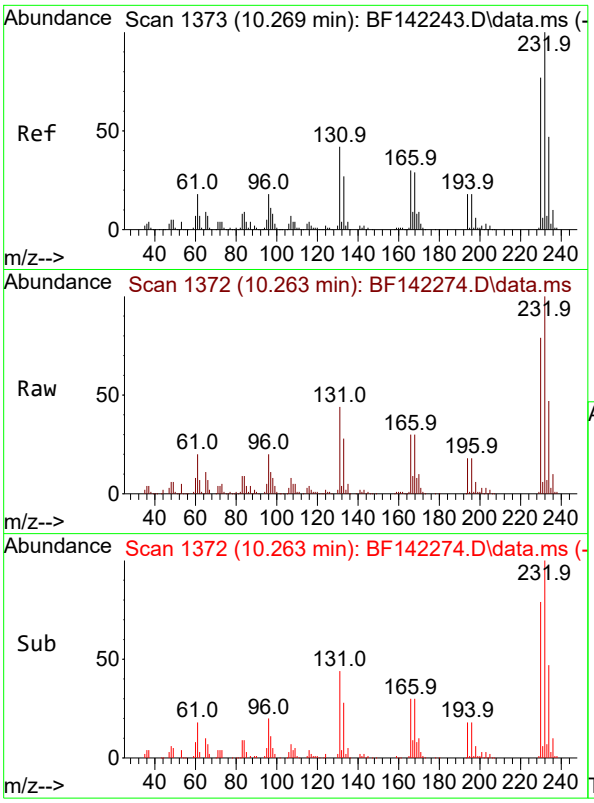


#58
Fluorene
Concen: 36.852 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:166 Resp: 931222

Ion	Ratio	Lower	Upper
166	100		
165	93.3	73.9	110.9
167	13.5	10.8	16.2

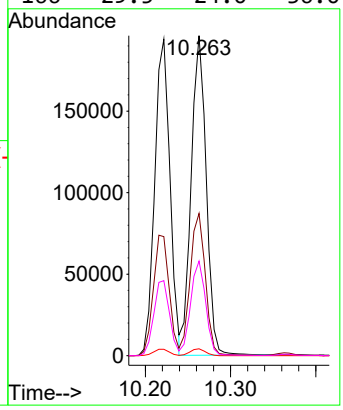




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.702 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:232 Resp: 24049

Ion	Ratio	Lower	Upper
232	100		
131	45.3	35.9	53.9
130	2.2	1.8	2.6
166	29.5	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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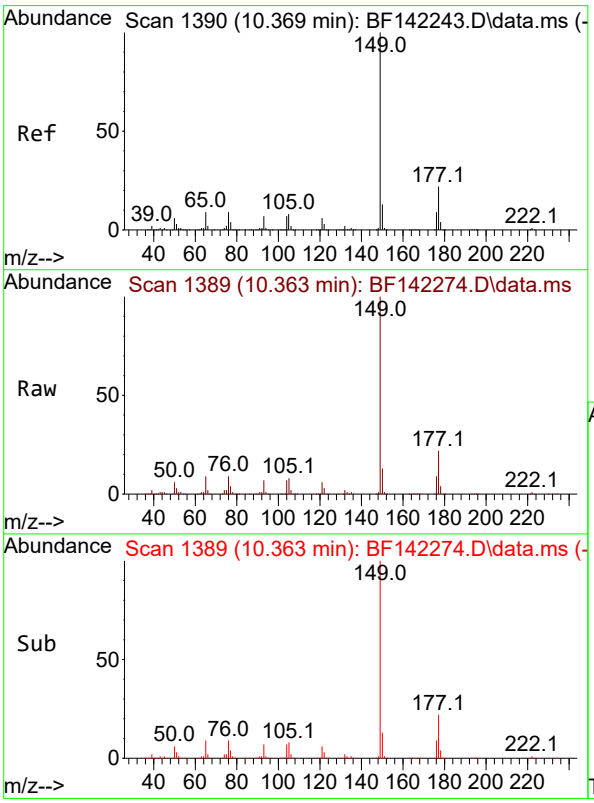
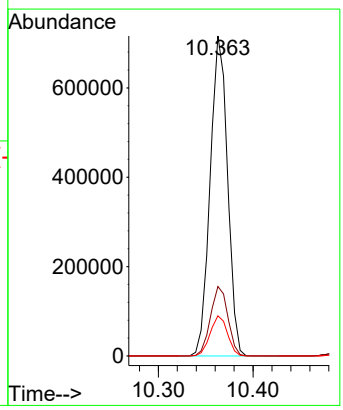
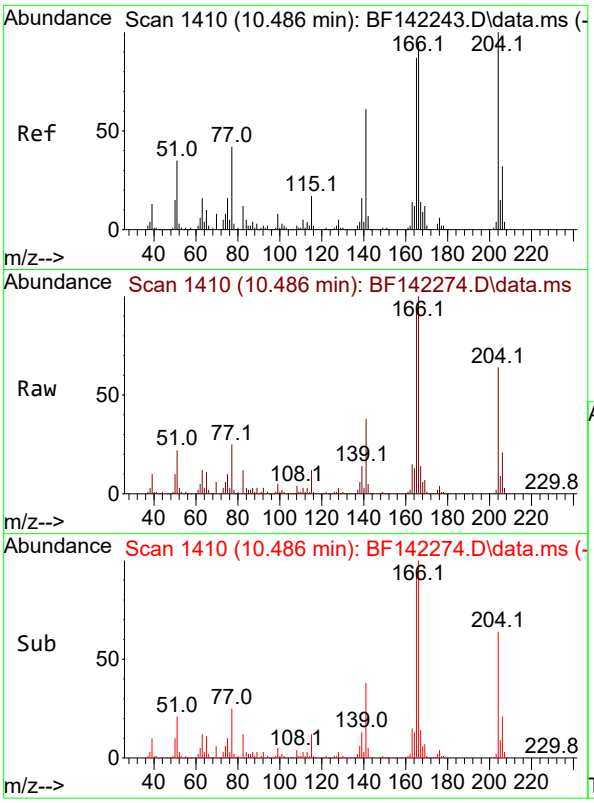


#60
Diethylphthalate
Concen: 37.148 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:149 Resp: 912963

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.6	26.4
150	12.6	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 36.772 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 44127

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.6	38.4
141	58.7	48.9	73.3

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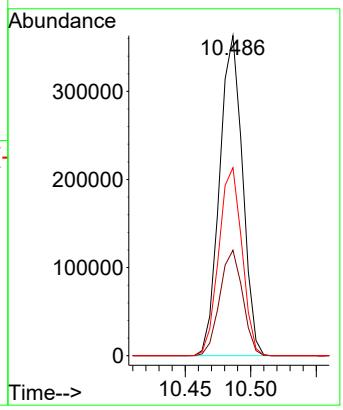
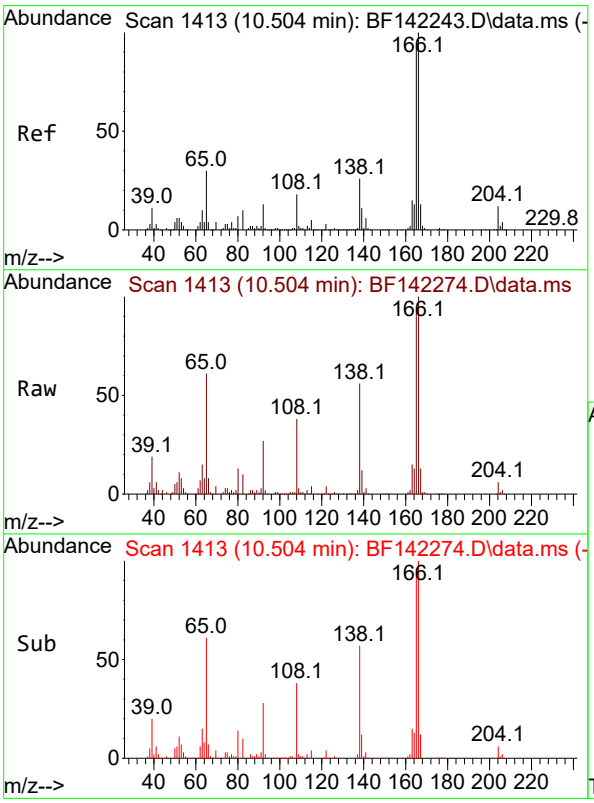
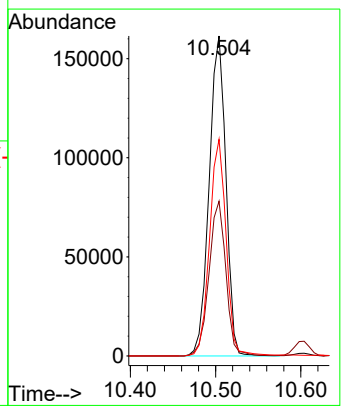


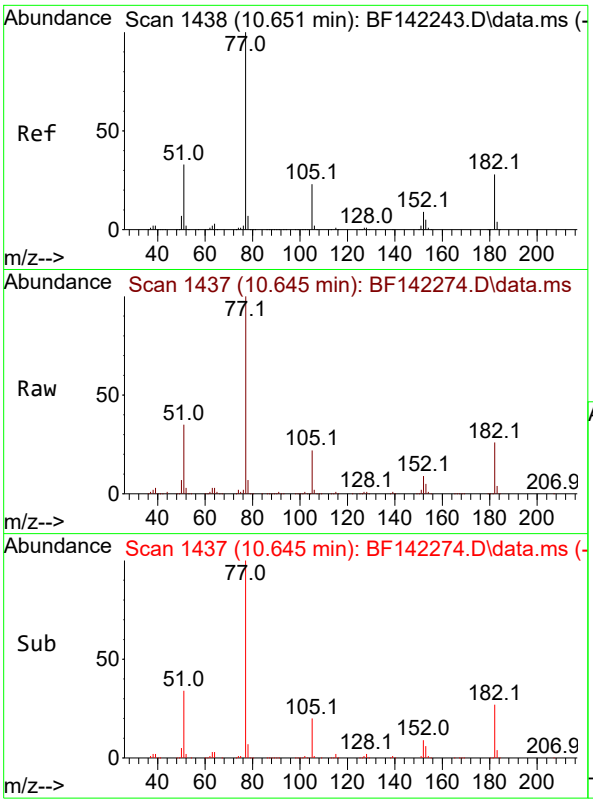


#62
4-Nitroaniline
Concen: 42.072 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:138 Resp: 220163

Ion	Ratio	Lower	Upper
138	100		
92	48.3	29.2	69.2
108	67.7	49.1	89.1





#63
Azobenzene
Concen: 36.907 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 89568

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.2	2.5	42.5
51	35.0	14.4	54.4

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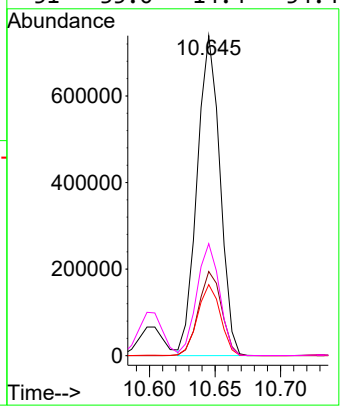
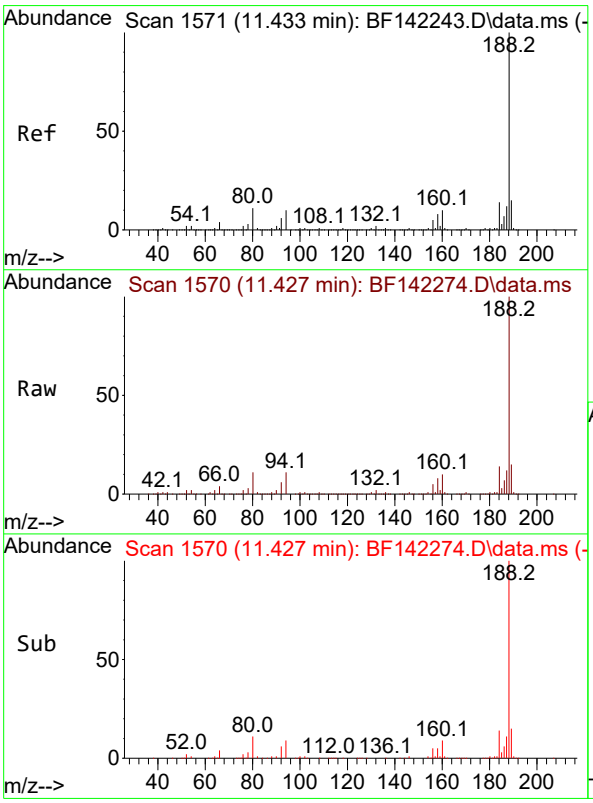
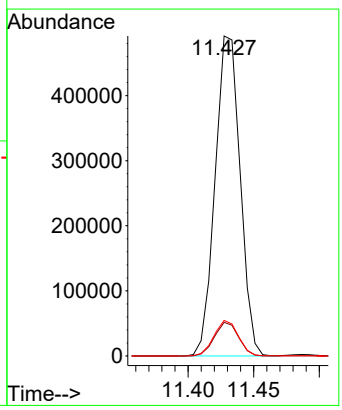


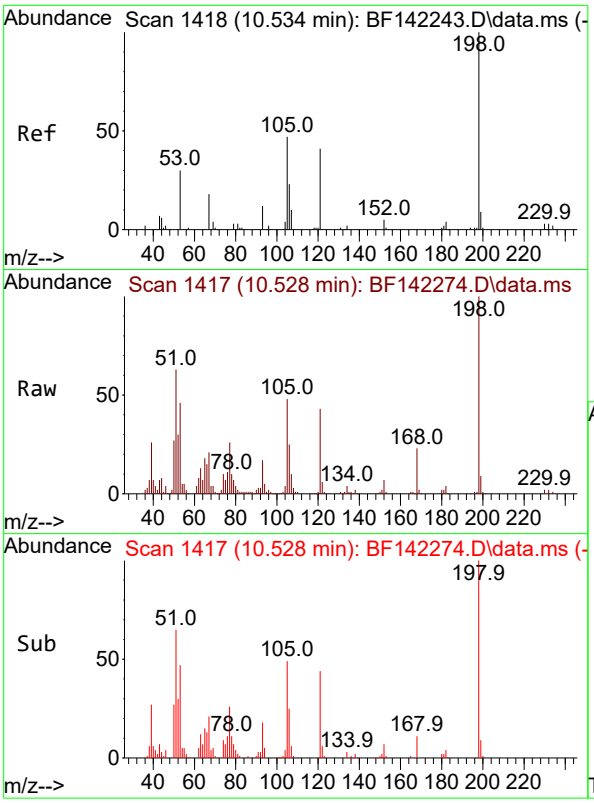


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:188 Resp: 652685

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.2	12.2
80	11.1	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 45.858 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 9728

Ion	Ratio	Lower	Upper
198	100		
51	63.1	40.6	80.6
105	47.7	29.2	69.2

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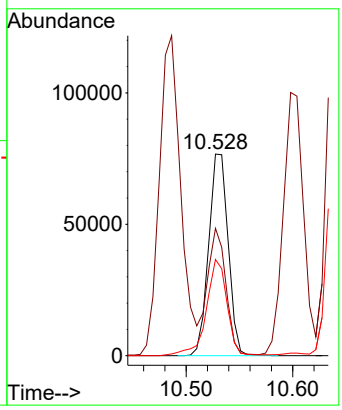
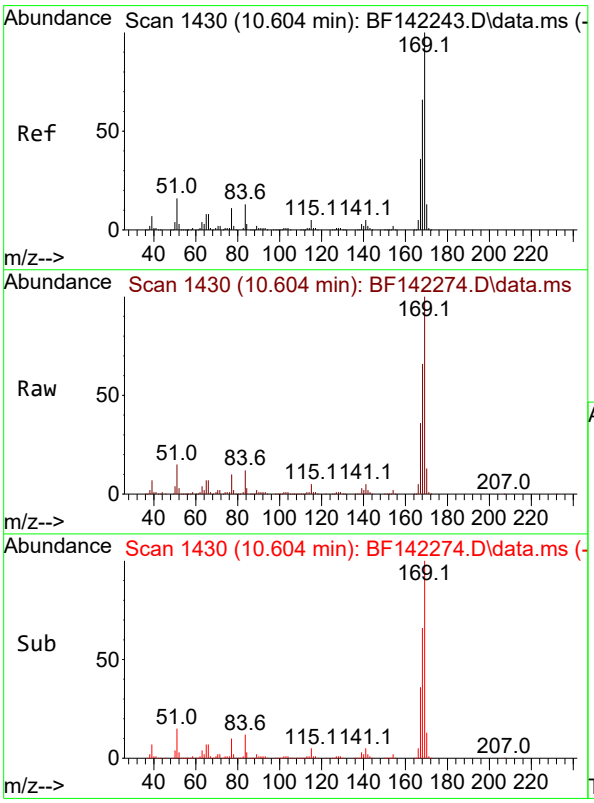
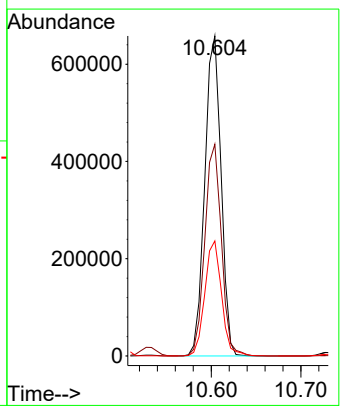


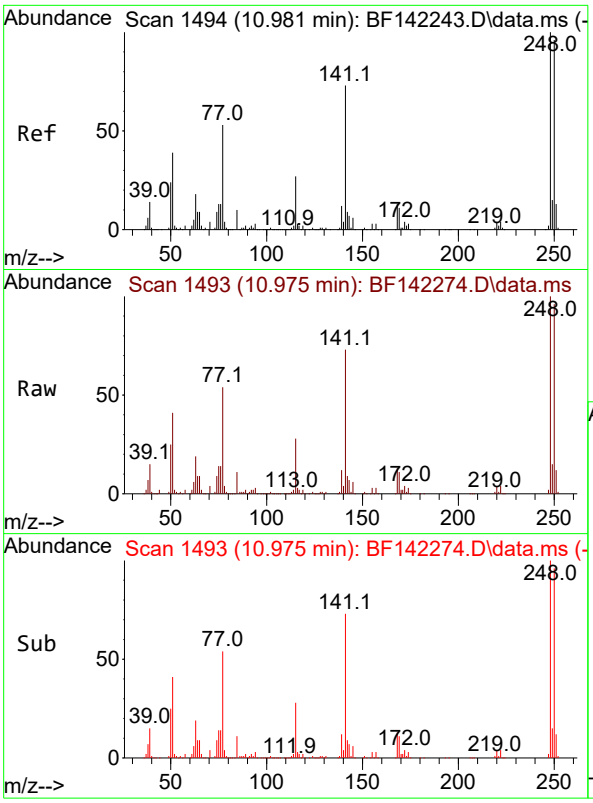


#66
n-Nitrosodiphenylamine
Concen: 37.187 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:169 Resp: 829293

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.6
167	36.0	28.8	43.2

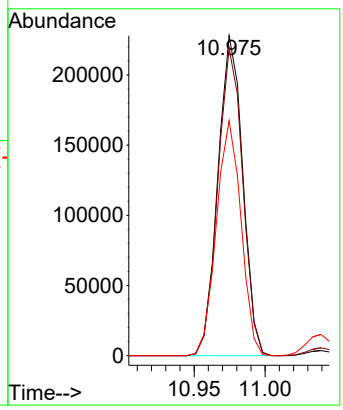




#67
4-Bromophenyl-phenylether
Concen: 38.179 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:248 Resp: 27751(

Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.2	115.8
141	73.4	58.4	87.6



Instrument :
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ClientSampleId :
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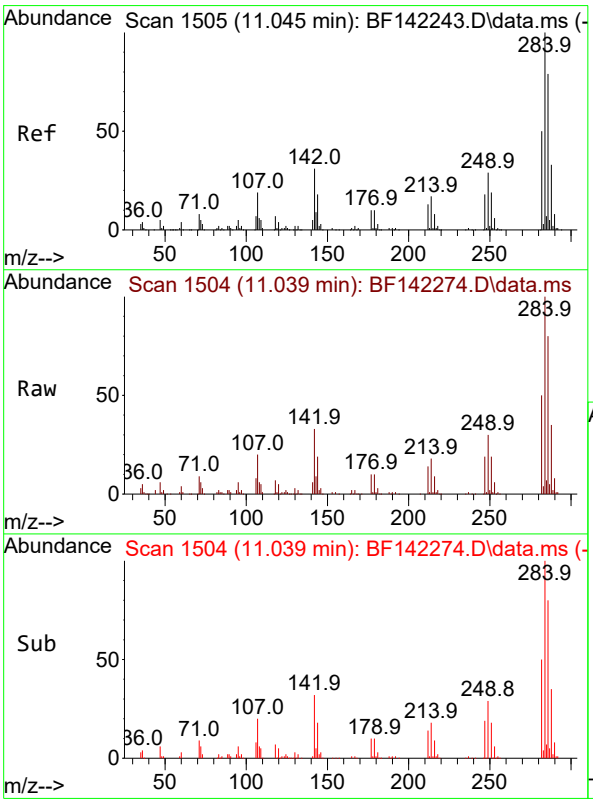
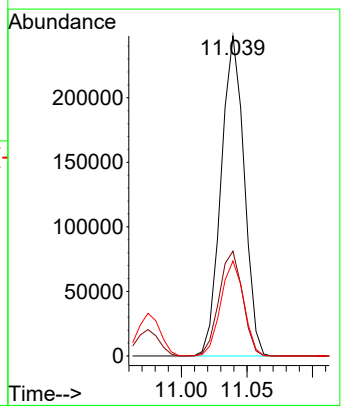
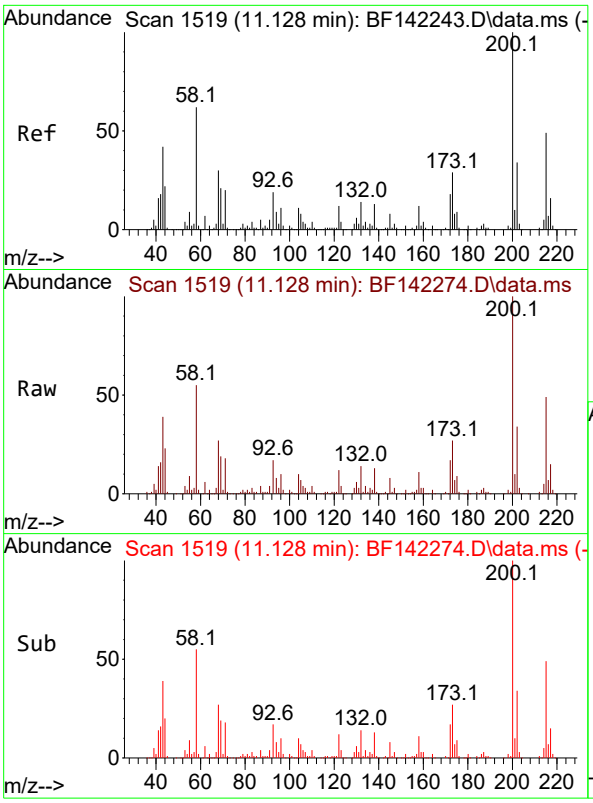


#68
Hexachlorobenzene
Concen: 37.175 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:284 Resp: 302639

Ion	Ratio	Lower	Upper
284	100		
142	32.8	24.6	37.0
249	29.7	23.2	34.8

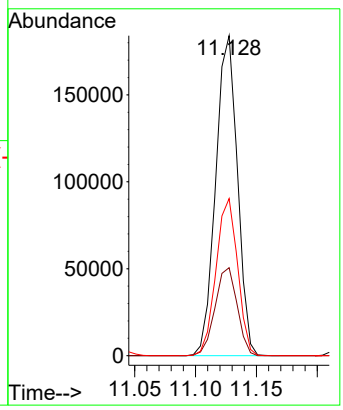




#69
Atrazine
Concen: 38.907 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:200 Resp: 22870

Ion	Ratio	Lower	Upper
200	100		
173	27.5	8.6	48.6
215	49.1	28.5	68.5



Instrument :
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ClientSampleId :
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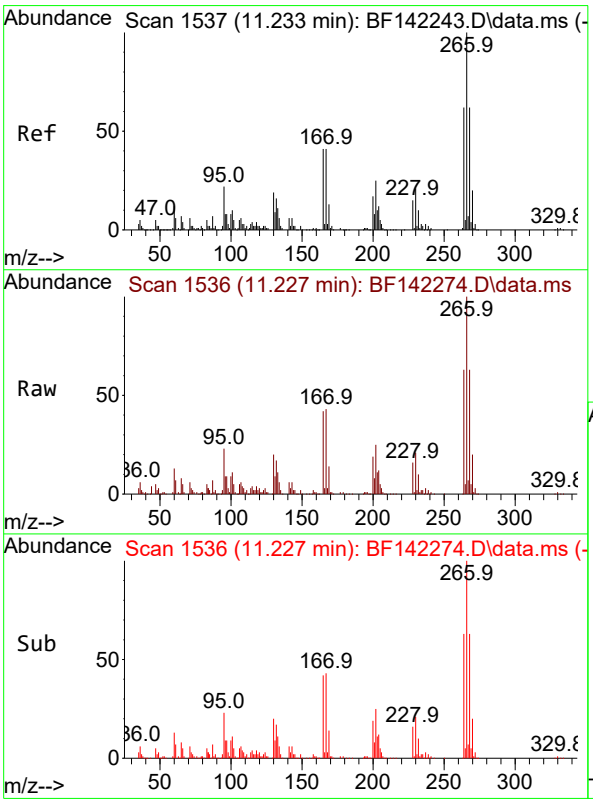
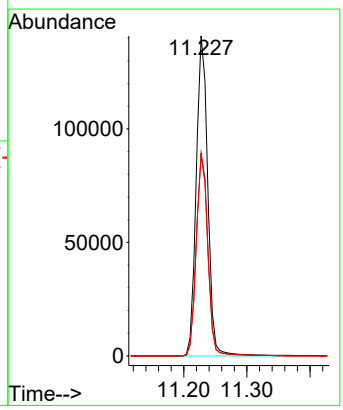
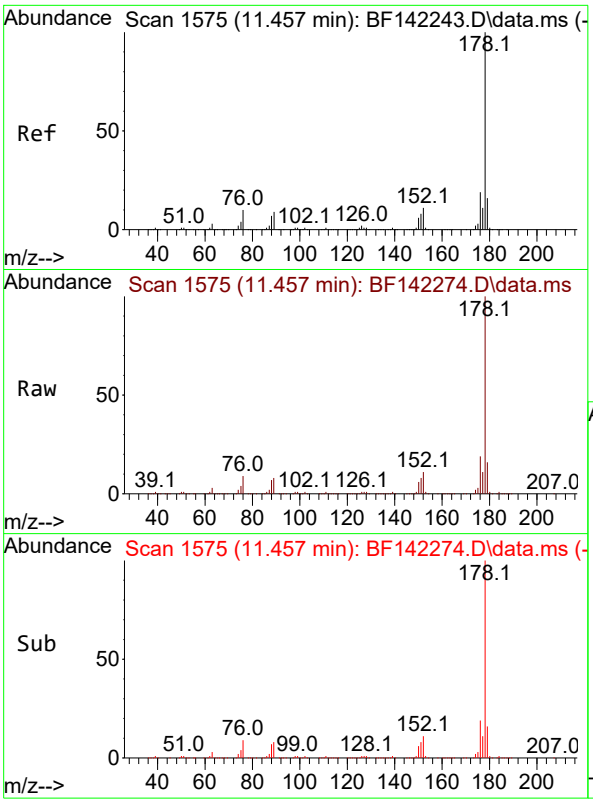


#70
Pentachlorophenol
Concen: 41.560 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:266 Resp: 178739

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.0	75.0
264	63.0	49.3	73.9

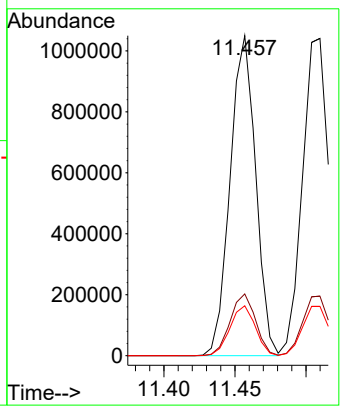




#71
Phenanthrene
Concen: 37.261 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:178 Resp: 131366

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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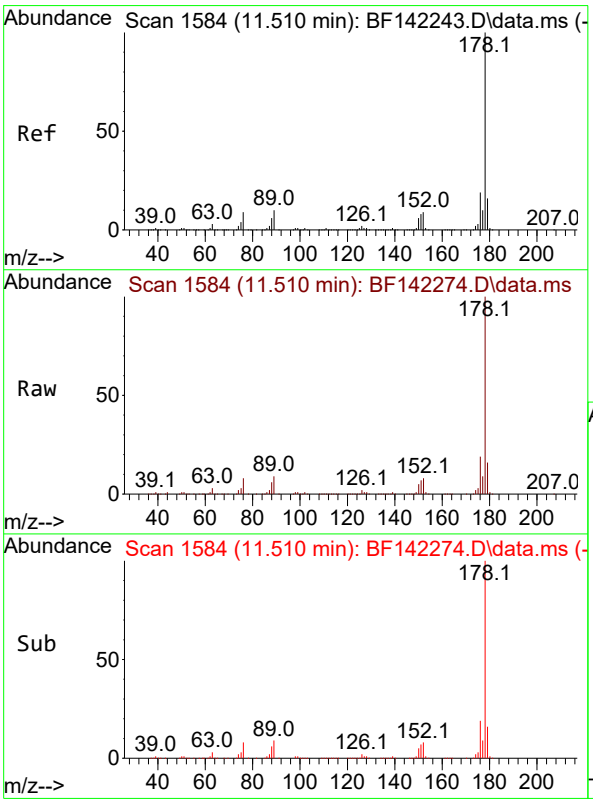
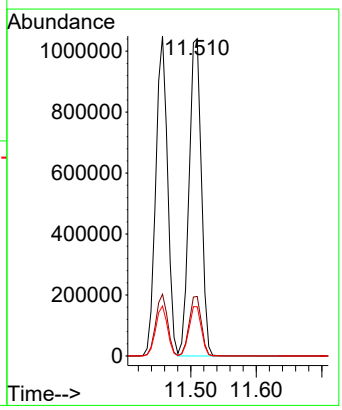
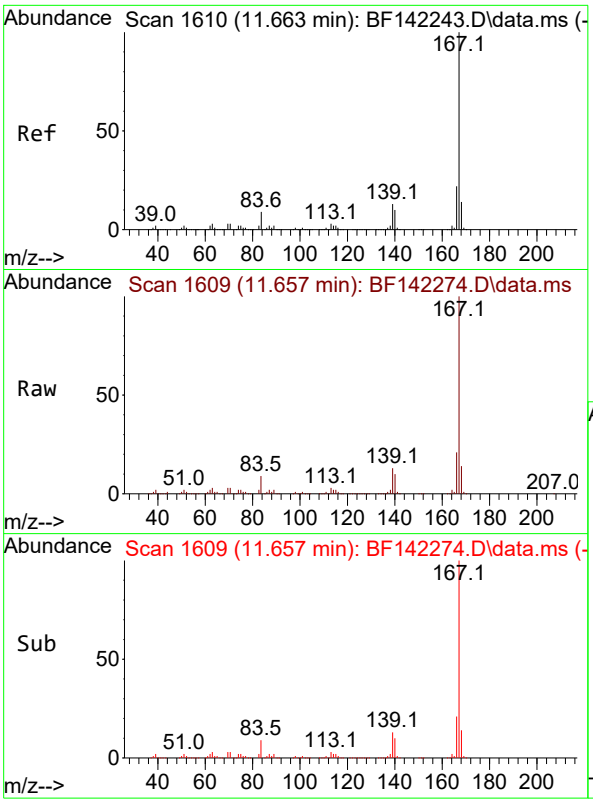


#72
Anthracene
Concen: 37.446 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:178 Resp: 1349761

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.7	19.1

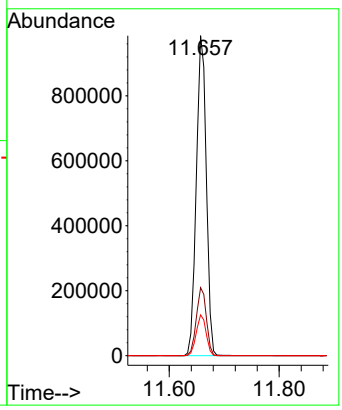




#73
Carbazole
Concen: 37.893 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:167 Resp: 124598

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.3	25.9
139	12.8	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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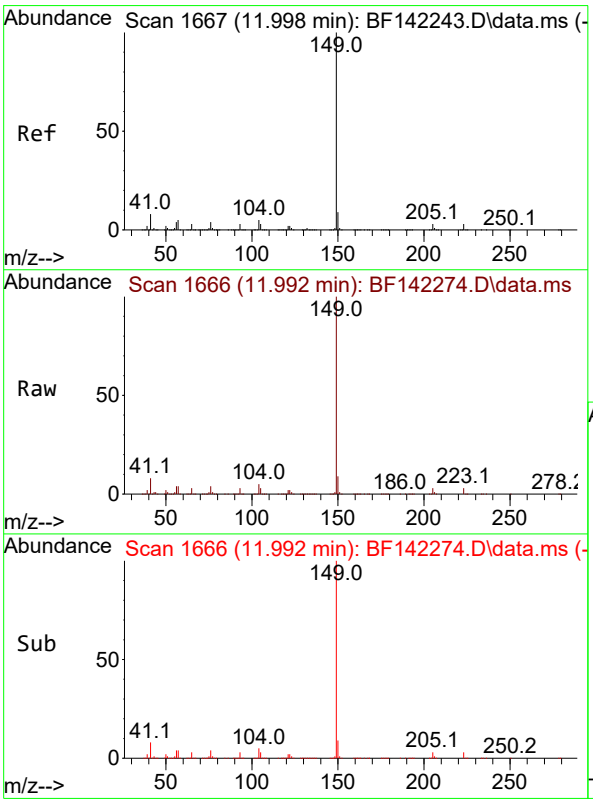
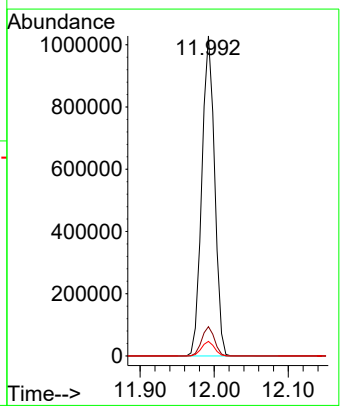
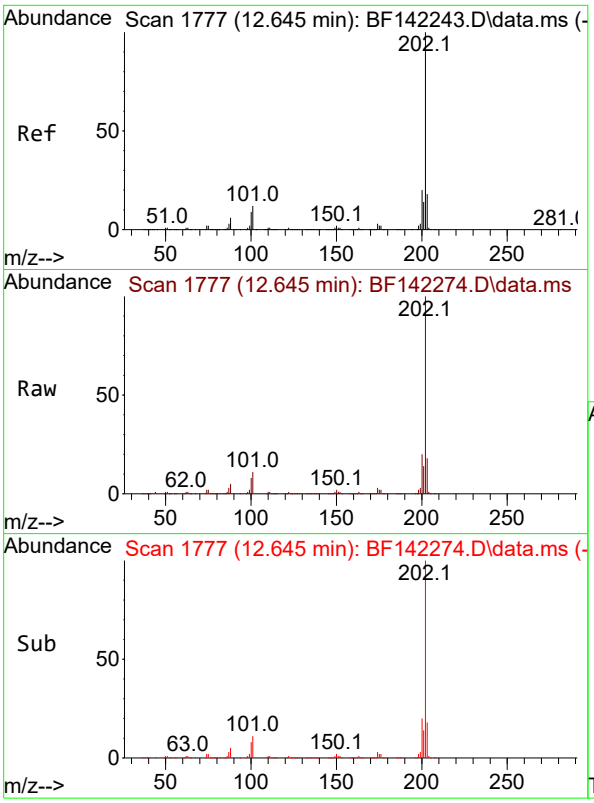


#74
Di-n-butylphthalate
Concen: 37.366 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:149 Resp: 1235690

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.5	3.6	5.4





#75
Fluoranthene
Concen: 37.775 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:202 Resp: 131647

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.4
203	17.6	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
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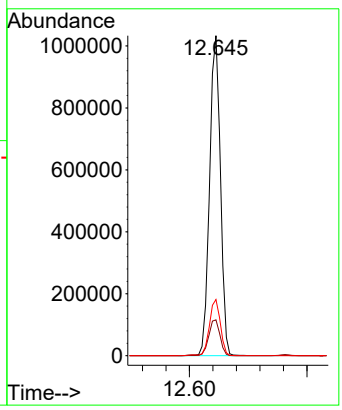
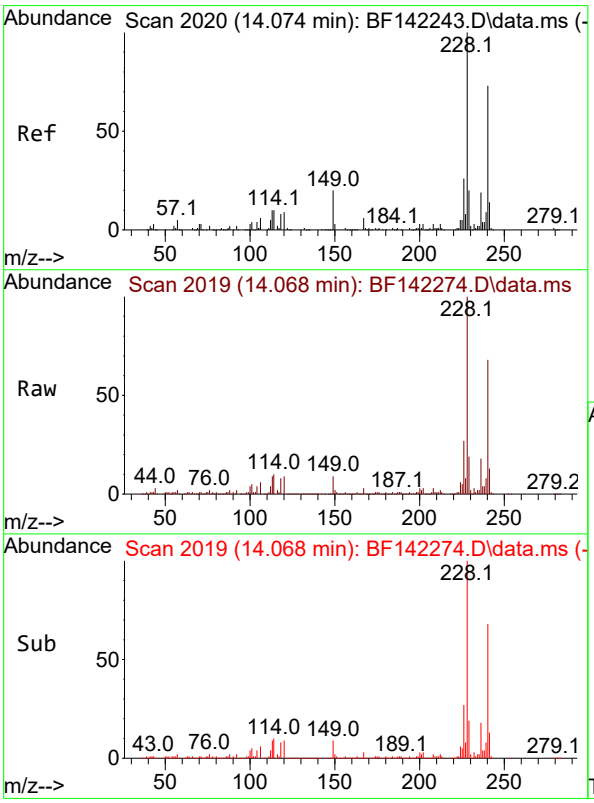
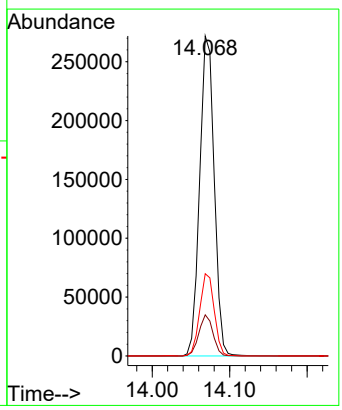


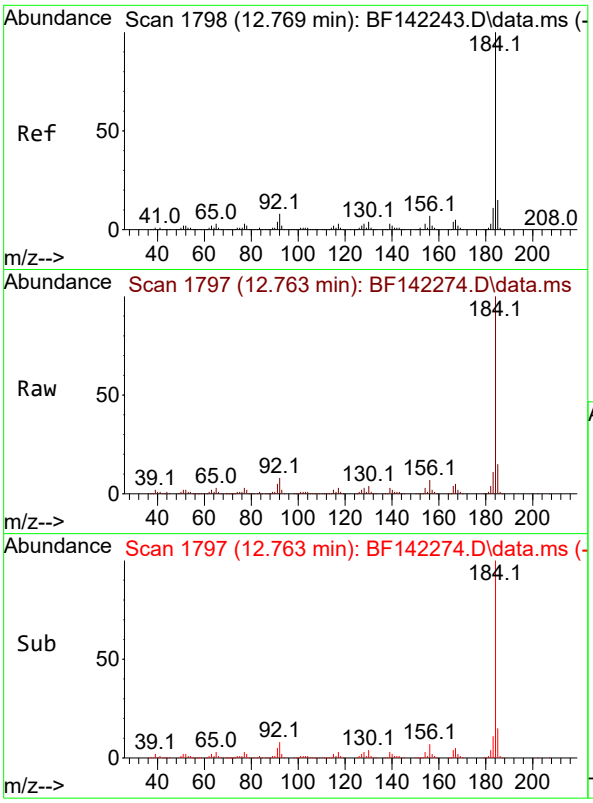


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:240 Resp: 354752

Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.1	15.1
236	25.7	20.5	30.7

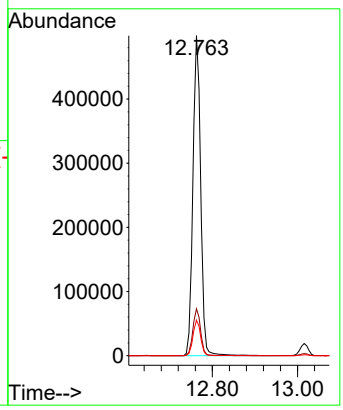




#77
Benzidine
Concen: 41.743 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:184 Resp: 62923

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.6
183	11.1	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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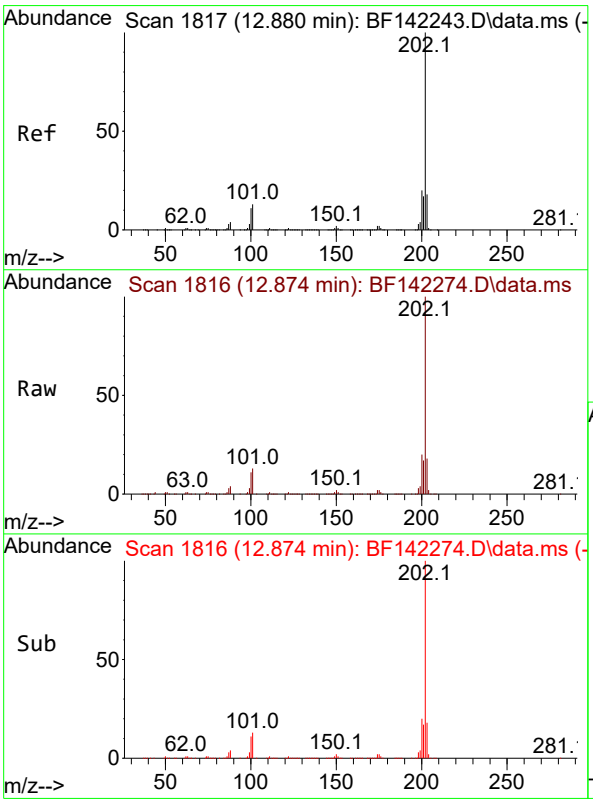
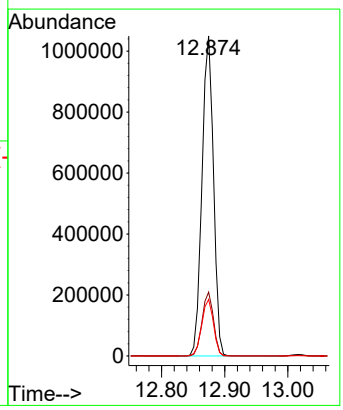
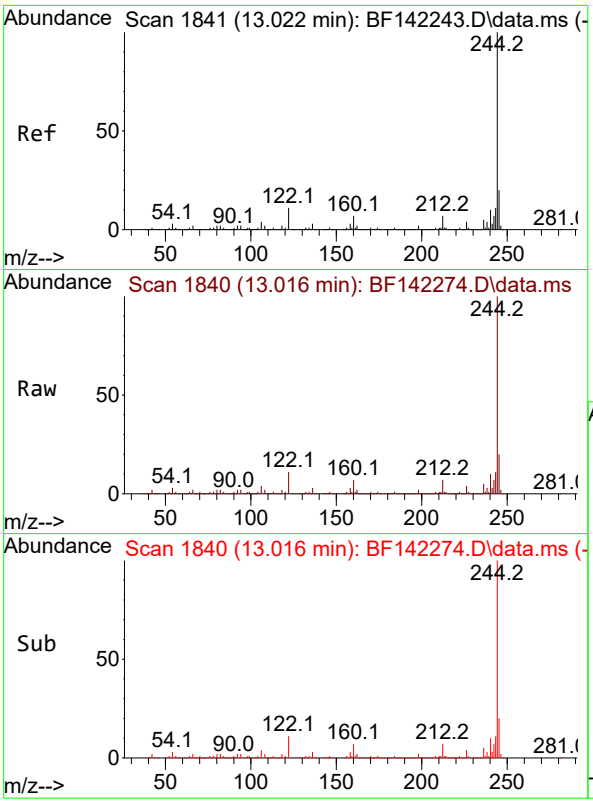


#78
Pyrene
Concen: 40.557 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:202 Resp: 1327219

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.6	14.1	21.1

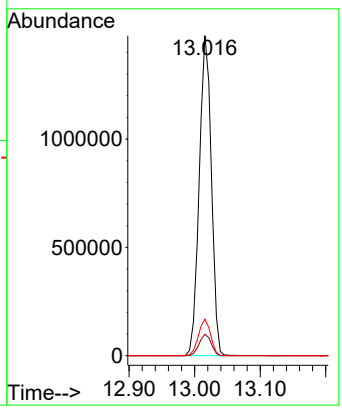




#79
Terphenyl-d14
Concen: 78.207 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:244 Resp: 190759

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.4	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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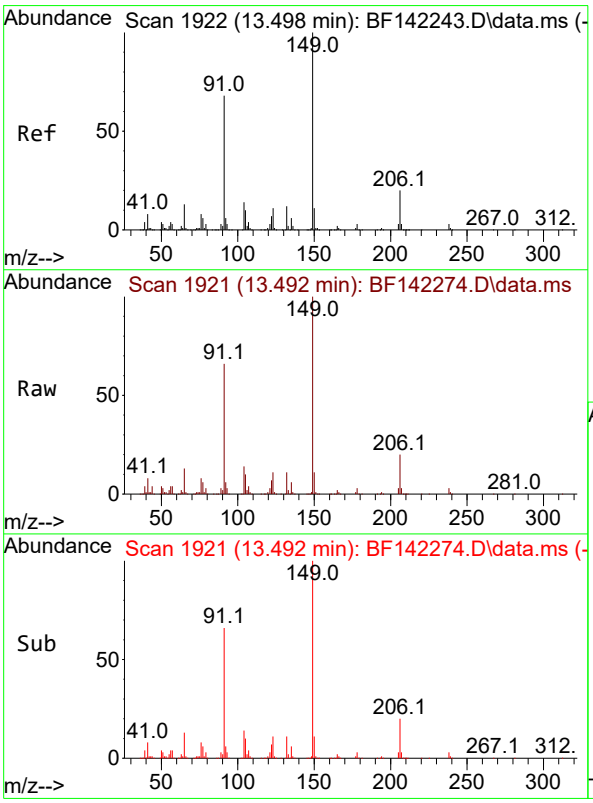
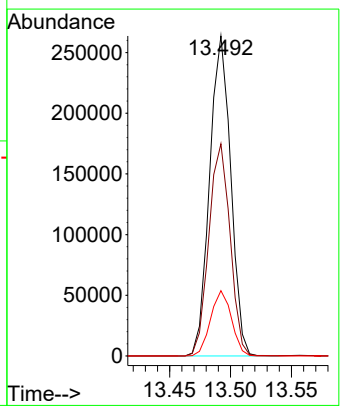
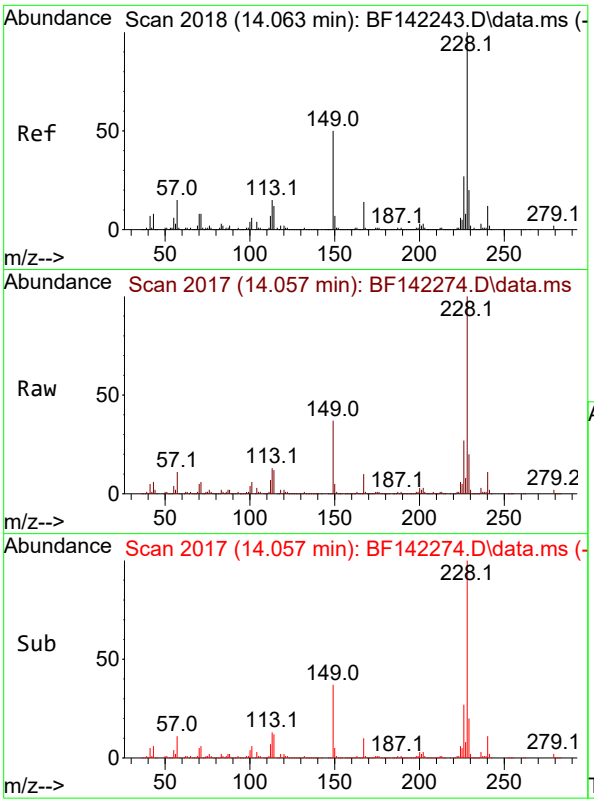


#80
Butylbenzylphthalate
Concen: 36.531 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:149 Resp: 318246

Ion	Ratio	Lower	Upper
149	100		
91	66.3	54.4	81.6
206	20.4	15.9	23.9

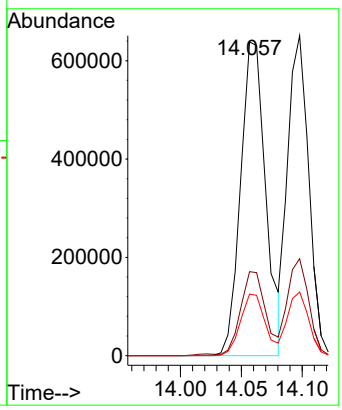




#81
Benzo(a)anthracene
Concen: 38.532 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:228 Resp: 91765

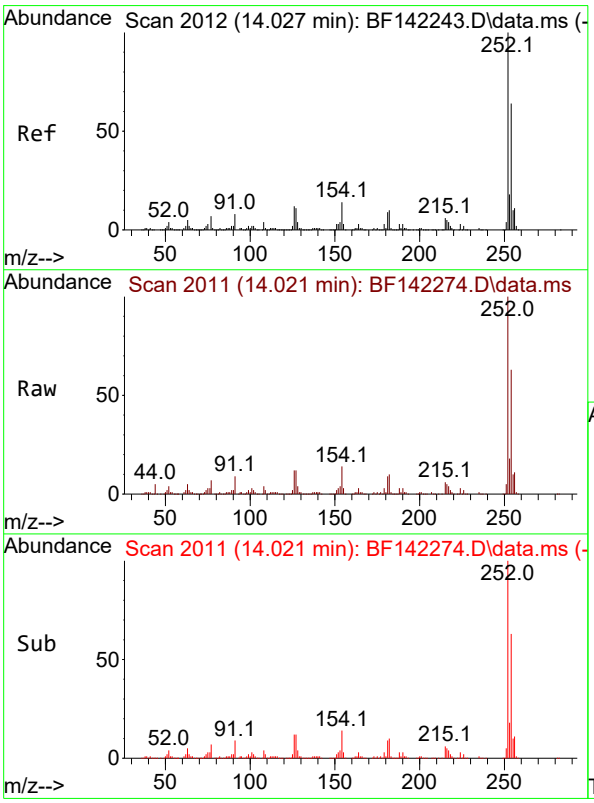
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.7	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

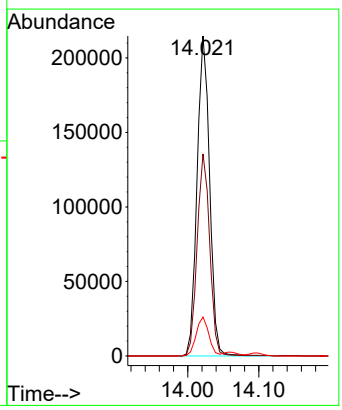
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

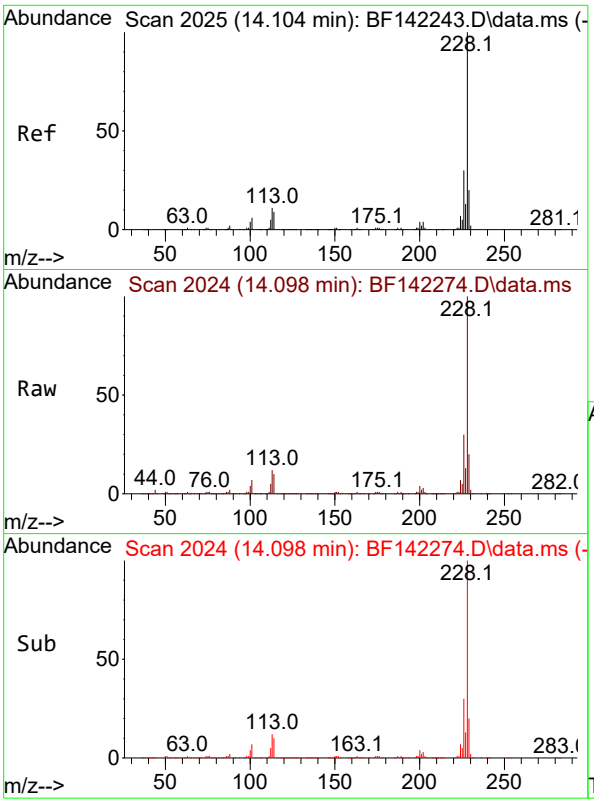


#82
3,3'-Dichlorobenzidine
Concen: 37.840 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:252 Resp: 264696

Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.0	76.6
126	12.1	9.4	14.2

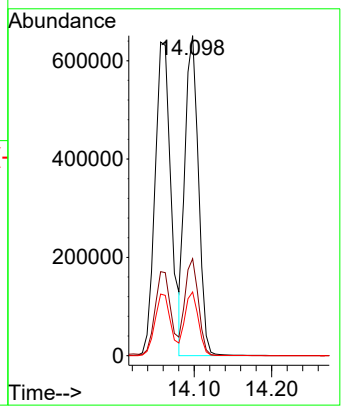




#83
Chrysene
Concen: 36.304 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:228 Resp: 78699

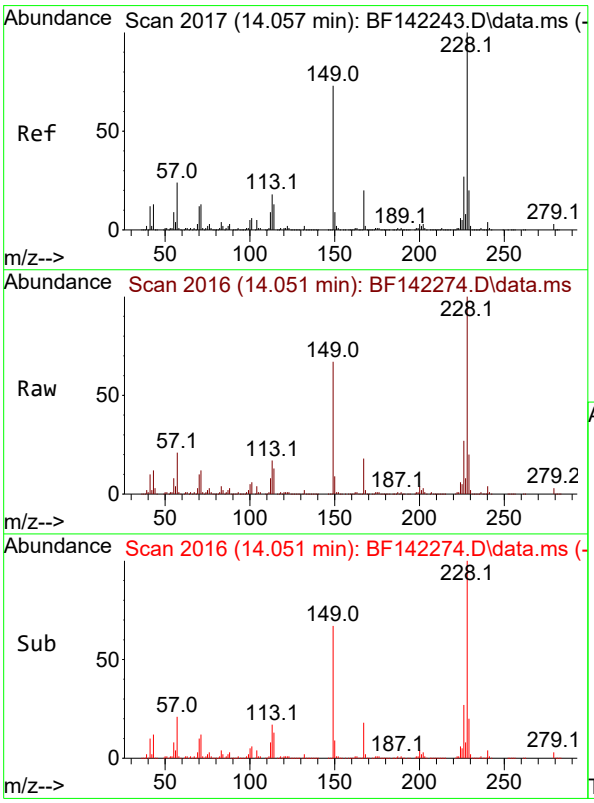
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	19.9	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

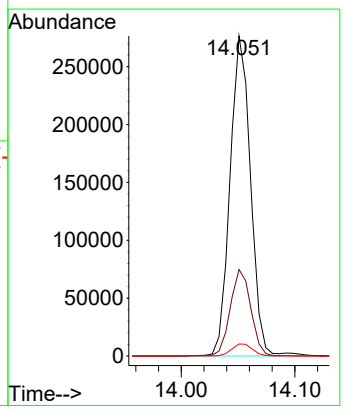
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

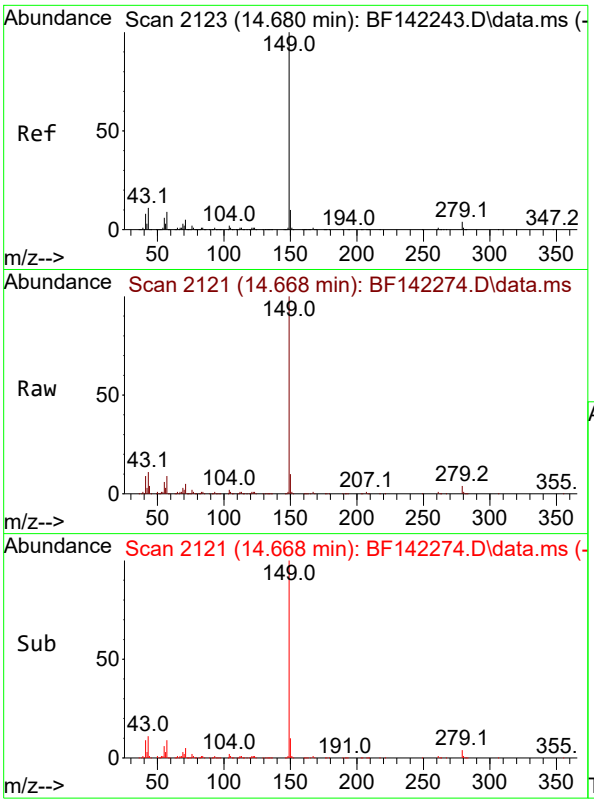


#84
Bis(2-ethylhexyl)phthalate
Concen: 29.284 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:149 Resp: 344949

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.7	32.5
279	3.8	3.0	4.4

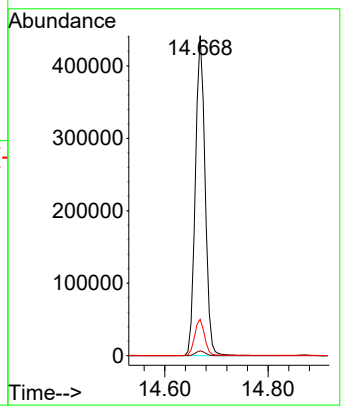




#85
Di-n-octyl phthalate
Concen: 28.225 ng
RT: 14.668 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

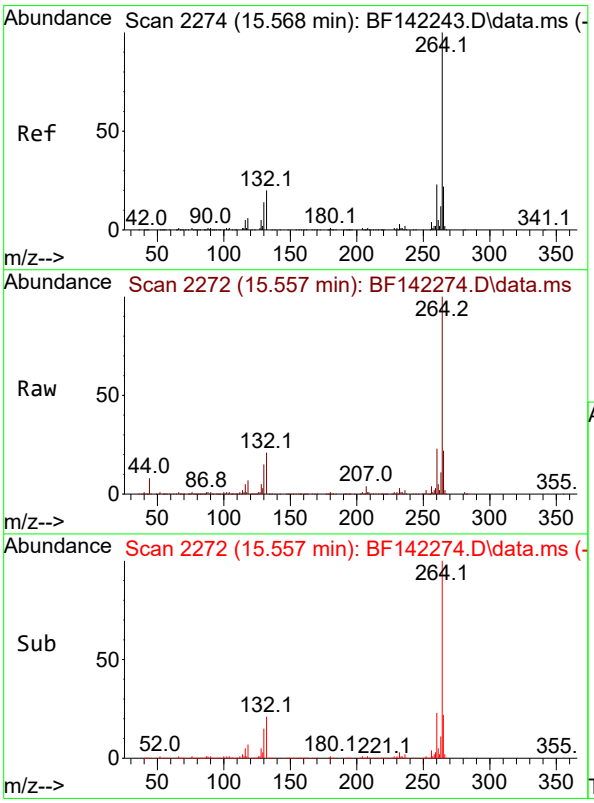
Tgt Ion:149 Resp: 57620

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

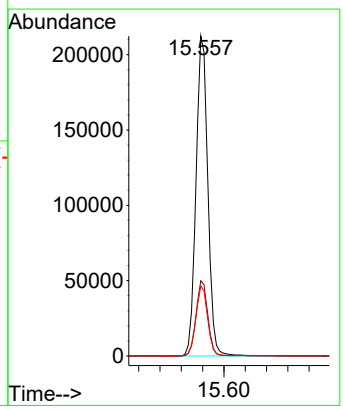
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

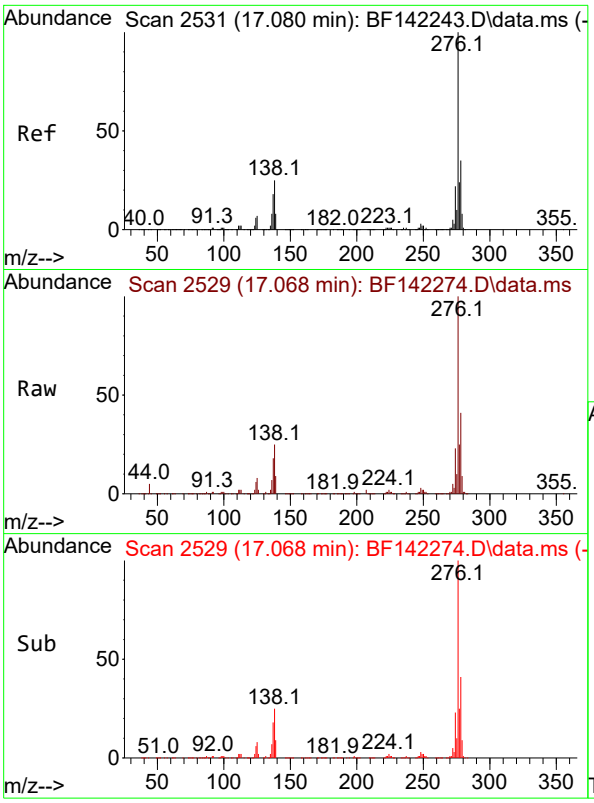


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:264 Resp: 327562

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	21.8	17.3	25.9

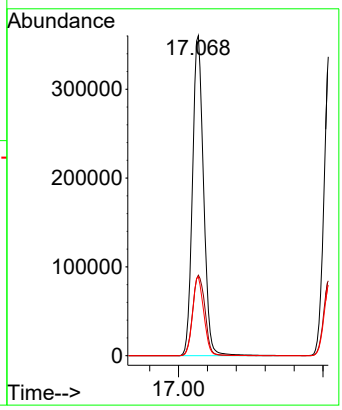




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.896 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:276 Resp: 95723

Ion	Ratio	Lower	Upper
276	100		
138	28.0	22.6	33.8
277	24.9	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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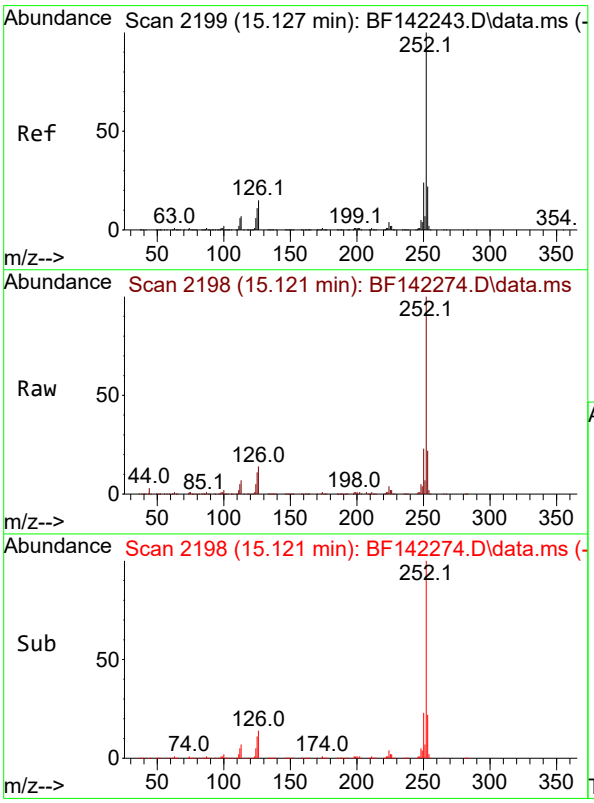
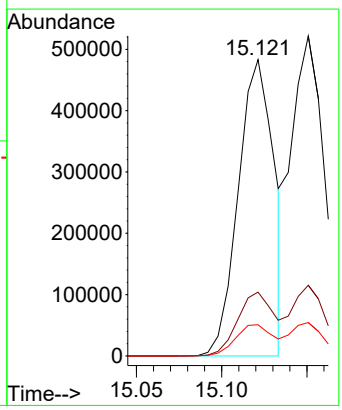
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

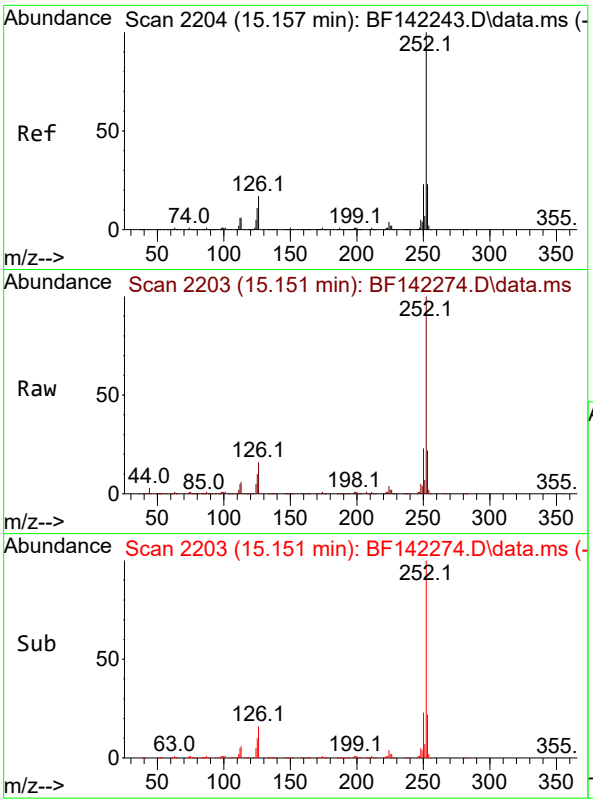


#88
Benzo(b)fluoranthene
Concen: 34.545 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:252 Resp: 702872

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.5	9.0	13.4

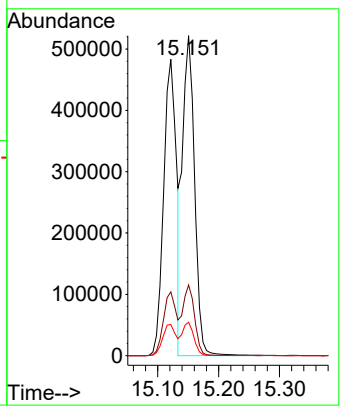




#89
Benzo(k)fluoranthene
Concen: 38.642 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:252 Resp: 71916

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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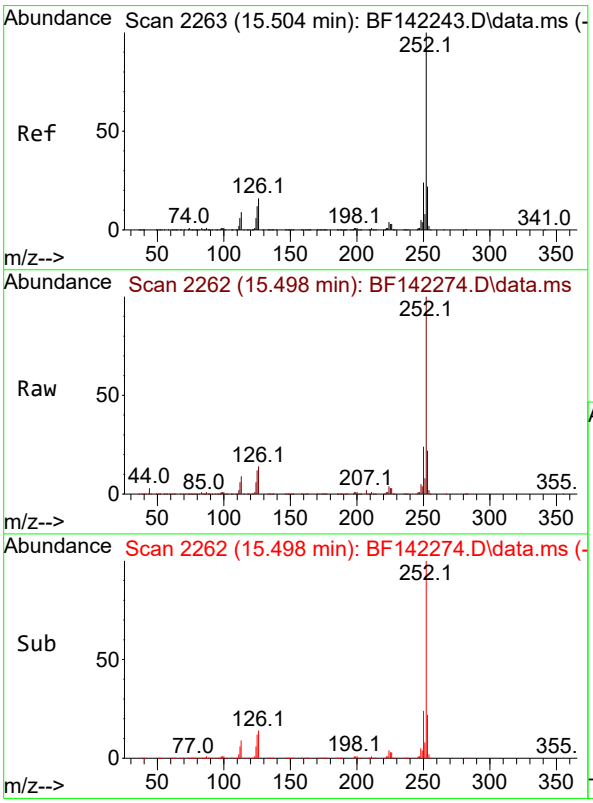
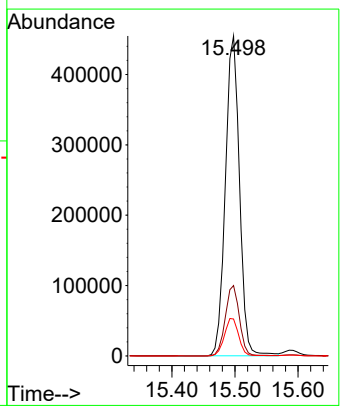
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

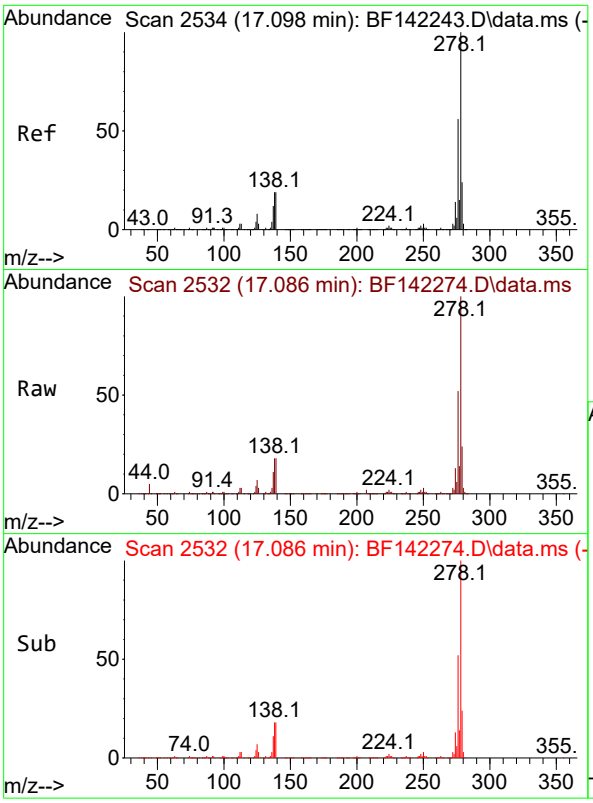


#90
Benzo(a)pyrene
Concen: 37.783 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:252 Resp: 703822

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.5	9.5	14.3

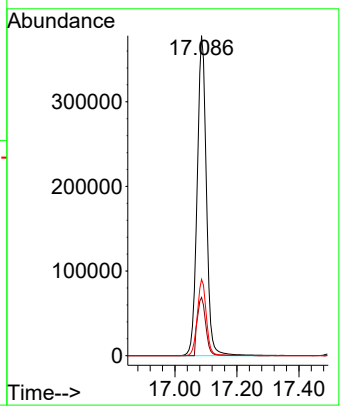




#91
Dibenzo(a,h)anthracene
Concen: 40.144 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

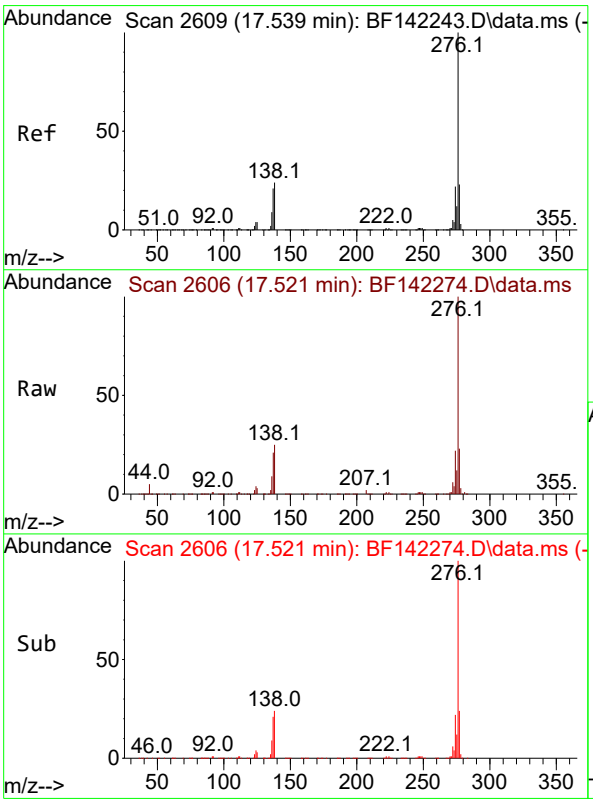
Tgt Ion:278 Resp: 78171

Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.2	22.8
279	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

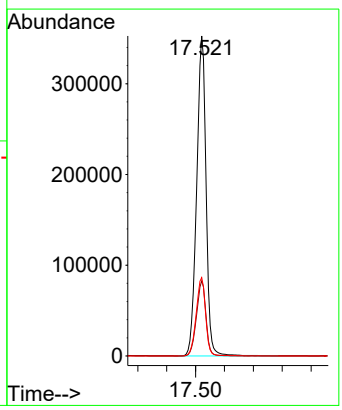
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#92
Benzo(g,h,i)perylene
Concen: 40.703 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142274.D
Acq: 02 May 2025 10:39

Tgt Ion:276 Resp: 796796

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	24.5	19.4	29.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	105	0.00
2		1,4-Dioxane	0.559	0.526	5.9	93	-0.01
3		Pyridine	1.454	1.384	4.8	96	0.00
4		n-Nitrosodimethylamine	0.752	0.730	2.9	95	0.00
5	S	2-Fluorophenol	1.252	1.195	4.6	96	0.00
6		Aniline	2.140	2.027	5.3	95	0.00
7	S	Phenol-d6	1.512	1.457	3.6	96	0.00
8		2-Chlorophenol	1.294	1.268	2.0	97	0.00
9		Benzaldehyde	1.057	1.000	5.4	94	0.00
10	C	Phenol	1.628	1.545	5.1	95	0.00
11		bis(2-Chloroethyl)ether	1.262	1.194	5.4	95	0.00
12		1,3-Dichlorobenzene	1.464	1.384	5.5	95	0.00
13	C	1,4-Dichlorobenzene	1.475	1.364	7.5	93	0.00
14		1,2-Dichlorobenzene	1.408	1.334	5.3	95	0.00
15		Benzyl Alcohol	1.073	1.038	3.3	95	0.00
16		2,2'-oxybis(1-Chloropropane	2.278	2.158	5.3	95	0.00
17		2-Methylphenol	1.060	1.005	5.2	94	0.00
18		Hexachloroethane	0.483	0.473	2.1	97	0.00
19	P	n-Nitroso-di-n-propylamine	0.934	0.873	6.5	95	0.00
20		3+4-Methylphenols	1.326	1.295	2.3	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.463	0.421	9.1	95	0.00
23	S	Nitrobenzene-d5	0.304	0.332	-9.2	103	0.00
24		Nitrobenzene	0.299	0.315	-5.4	102	0.00
25		Isophorone	0.639	0.588	8.0	94	0.00
26	C	2-Nitrophenol	0.102	0.135	-32.4#	124	0.00
27		2,4-Dimethylphenol	0.322	0.307	4.7	96	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.370	8.2	94	0.00
29	C	2,4-Dichlorophenol	0.269	0.261	3.0	95	0.00
30		1,2,4-Trichlorobenzene	0.301	0.278	7.6	94	0.00
31		Naphthalene	0.997	0.913	8.4	95	0.00
32		Benzoic acid	0.125	0.156	-24.8	127	0.00
33		4-Chloroaniline	0.415	0.388	6.5	96	0.00
34	C	Hexachlorobutadiene	0.175	0.164	6.3	94	0.00
35		Caprolactam	0.081	0.081	0.0	99	0.00
36	C	4-Chloro-3-methylphenol	0.277	0.266	4.0	95	0.00
37		2-Methylnaphthalene	0.613	0.560	8.6	95	0.00
38		1-Methylnaphthalene	0.635	0.583	8.2	95	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.563	0.522	7.3	95	0.00
41	P	Hexachlorocyclopentadiene	0.319	0.327	-2.5	98	0.00
42	S	2,4,6-Tribromophenol	0.182	0.190	-4.4	98	0.00
43	C	2,4,6-Trichlorophenol	0.349	0.360	-3.2	102	0.00
44		2,4,5-Trichlorophenol	0.367	0.363	1.1	94	0.00
45	S	2-Fluorobiphenyl	1.418	1.293	8.8	96	0.00
46		1,1'-Biphenyl	1.555	1.438	7.5	95	0.00
47		2-Chloronaphthalene	1.157	1.071	7.4	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	0.249	0.315	-26.5#	112	0.00
49		Acenaphthylene	1.952	1.809	7.3	95	0.00
50		Dimethylphthalate	1.280	1.197	6.5	95	0.00
51		2,6-Dinitrotoluene	0.204	0.246	-20.6	107	0.00
52	C	Acenaphthene	1.140	1.070	6.1	96	0.00
53		3-Nitroaniline	0.257	0.298	-16.0	105	0.00
54	P	2,4-Dinitrophenol	0.058	0.086	-48.3#	158#	0.00
55		Dibenzofuran	1.709	1.581	7.5	95	0.00
56	P	4-Nitrophenol	0.201	0.227	-12.9	110	0.00
57		2,4-Dinitrotoluene	0.239	0.314	-31.4#	116	0.00
58		Fluorene	1.299	1.197	7.9	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.304	0.309	-1.6	97	0.00
60		Diethylphthalate	1.263	1.173	7.1	94	0.00
61		4-Chlorophenyl-phenylether	0.617	0.567	8.1	94	0.00
62		4-Nitroaniline	0.238	0.283	-18.9	109	0.00
63		Azobenzene	1.248	1.151	7.8	94	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.075	-38.9#	144	0.00
66	c	n-Nitrosodiphenylamine	0.683	0.635	7.0	95	0.00
67		4-Bromophenyl-phenylether	0.223	0.213	4.5	95	0.00
68		Hexachlorobenzene	0.249	0.232	6.8	94	0.00
69		Atrazine	0.180	0.175	2.8	97	0.00
70	C	Pentachlorophenol	0.132	0.137	-3.8	101	0.00
71		Phenanthrene	1.080	1.006	6.9	96	0.00
72		Anthracene	1.105	1.034	6.4	97	0.00
73		Carbazole	1.008	0.955	5.3	98	0.00
74		Di-n-butylphthalate	1.013	0.947	6.5	94	0.00
75	C	Fluoranthene	1.068	1.009	5.5	98	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.850	0.887	-4.4	99	0.00
78		Pyrene	1.845	1.871	-1.4	99	0.00
79	S	Terphenyl-d14	1.375	1.344	2.3	97	0.00
80		Butylbenzylphthalate	0.425	0.449	-5.6	95	0.00
81		Benzo(a)anthracene	1.343	1.293	3.7	96	0.00
82		3,3'-Dichlorobenzidine	0.394	0.373	5.3	90	0.00
83		Chrysene	1.222	1.109	9.2	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.604	0.486	19.5	75	0.00
85	c	Di-n-octyl phthalate	1.133	0.812	28.3#	69	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	100	-0.01
87		Indeno(1,2,3-cd)pyrene	1.465	1.461	0.3	90	-0.01
88		Benzo(b)fluoranthene	1.242	1.073	13.6	82	0.00
89		Benzo(k)fluoranthene	1.136	1.098	3.3	96	0.00
90	C	Benzo(a)pyrene	1.137	1.074	5.5	89	0.00
91		Dibenzo(a,h)anthracene	1.189	1.193	-0.3	91	-0.01
92		Benzo(g,h,i)perylene	1.195	1.216	-1.8	93	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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 = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	105	0.00
2		1,4-Dioxane	40.000	37.589	6.0	93	-0.01
3		Pyridine	40.000	38.083	4.8	96	0.00
4		n-Nitrosodimethylamine	40.000	38.811	3.0	95	0.00
5	S	2-Fluorophenol	80.000	76.366	4.5	96	0.00
6		Aniline	40.000	37.880	5.3	95	0.00
7	S	Phenol-d6	80.000	77.087	3.6	96	0.00
8		2-Chlorophenol	40.000	39.206	2.0	97	0.00
9		Benzaldehyde	40.000	37.835	5.4	94	0.00
10	C	Phenol	40.000	37.967	5.1	95	0.00
11		bis(2-Chloroethyl)ether	40.000	37.841	5.4	95	0.00
12		1,3-Dichlorobenzene	40.000	37.811	5.5	95	0.00
13	C	1,4-Dichlorobenzene	40.000	36.999	7.5	93	0.00
14		1,2-Dichlorobenzene	40.000	37.888	5.3	95	0.00
15		Benzyl Alcohol	40.000	38.697	3.3	95	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.895	5.3	95	0.00
17		2-Methylphenol	40.000	37.931	5.2	94	0.00
18		Hexachloroethane	40.000	39.190	2.0	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.373	6.6	95	0.00
20		3+4-Methylphenols	40.000	39.062	2.3	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	36.381	9.0	95	0.00
23	S	Nitrobenzene-d5	80.000	87.247	-9.1	103	0.00
24		Nitrobenzene	40.000	42.143	-5.4	102	0.00
25		Isophorone	40.000	36.800	8.0	94	0.00
26	C	2-Nitrophenol	40.000	43.995	-10.0	124	0.00
27		2,4-Dimethylphenol	40.000	38.087	4.8	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.730	8.2	94	0.00
29	C	2,4-Dichlorophenol	40.000	38.714	3.2	95	0.00
30		1,2,4-Trichlorobenzene	40.000	36.954	7.6	94	0.00
31		Naphthalene	40.000	36.602	8.5	95	0.00
32		Benzoic acid	40.000	42.364	-5.9	127	0.00
33		4-Chloroaniline	40.000	37.373	6.6	96	0.00
34	C	Hexachlorobutadiene	40.000	37.512	6.2	94	0.00
35		Caprolactam	40.000	39.988	0.0	99	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.463	3.8	95	0.00
37		2-Methylnaphthalene	40.000	36.551	8.6	95	0.00
38		1-Methylnaphthalene	40.000	36.702	8.2	95	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.065	7.3	95	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.985	-2.5	98	0.00
42	S	2,4,6-Tribromophenol	80.000	83.329	-4.2	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.332	-3.3	102	0.00
44		2,4,5-Trichlorophenol	40.000	39.611	1.0	94	0.00
45	S	2-Fluorobiphenyl	80.000	72.935	8.8	96	0.00
46		1,1'-Biphenyl	40.000	36.988	7.5	95	0.00
47		2-Chloronaphthalene	40.000	37.021	7.4	95	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 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	42.014	-5.0	112	0.00
49		Acenaphthylene	40.000	37.062	7.3	95	0.00
50		Dimethylphthalate	40.000	37.413	6.5	95	0.00
51		2,6-Dinitrotoluene	40.000	40.686	-1.7	107	0.00
52	C	Acenaphthene	40.000	37.558	6.1	96	0.00
53		3-Nitroaniline	40.000	40.499	-1.2	105	0.00
54	P	2,4-Dinitrophenol	40.000	50.599	-26.5#	158	0.00
55		Dibenzofuran	40.000	37.015	7.5	95	0.00
56	P	4-Nitrophenol	40.000	45.101	-12.8	110	0.00
57		2,4-Dinitrotoluene	40.000	42.928	-7.3	116	0.00
58		Fluorene	40.000	36.852	7.9	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.702	-1.8	97	0.00
60		Diethylphthalate	40.000	37.148	7.1	94	0.00
61		4-Chlorophenyl-phenylether	40.000	36.772	8.1	94	0.00
62		4-Nitroaniline	40.000	42.072	-5.2	109	0.00
63		Azobenzene	40.000	36.907	7.7	94	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.858	-14.6	144	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.187	7.0	95	0.00
67		4-Bromophenyl-phenylether	40.000	38.179	4.6	95	0.00
68		Hexachlorobenzene	40.000	37.175	7.1	94	0.00
69		Atrazine	40.000	38.907	2.7	97	0.00
70	C	Pentachlorophenol	40.000	41.560	-3.9	101	0.00
71		Phenanthrene	40.000	37.261	6.8	96	0.00
72		Anthracene	40.000	37.446	6.4	97	0.00
73		Carbazole	40.000	37.893	5.3	98	0.00
74		Di-n-butylphthalate	40.000	37.366	6.6	94	0.00
75	C	Fluoranthene	40.000	37.775	5.6	98	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	41.743	-4.4	99	0.00
78		Pyrene	40.000	40.557	-1.4	99	0.00
79	S	Terphenyl-d14	80.000	78.207	2.2	97	0.00
80		Butylbenzylphthalate	40.000	36.531	8.7	95	0.00
81		Benzo(a)anthracene	40.000	38.532	3.7	96	0.00
82		3,3'-Dichlorobenzidine	40.000	37.840	5.4	90	0.00
83		Chrysene	40.000	36.304	9.2	96	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	29.284	26.8#	75	0.00
85	c	Di-n-octyl phthalate	40.000	28.225	29.4#	69	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	100	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.896	0.3	90	-0.01
88		Benzo(b)fluoranthene	40.000	34.545	13.6	82	0.00
89		Benzo(k)fluoranthene	40.000	38.642	3.4	96	0.00
90	C	Benzo(a)pyrene	40.000	37.783	5.5	89	0.00
91		Dibenzo(a,h)anthracene	40.000	40.144	-0.4	91	-0.01
92		Benzo(g,h,i)perylene	40.000	40.703	-1.8	93	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142274.D
Acq On : 02 May 2025 10:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:50:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

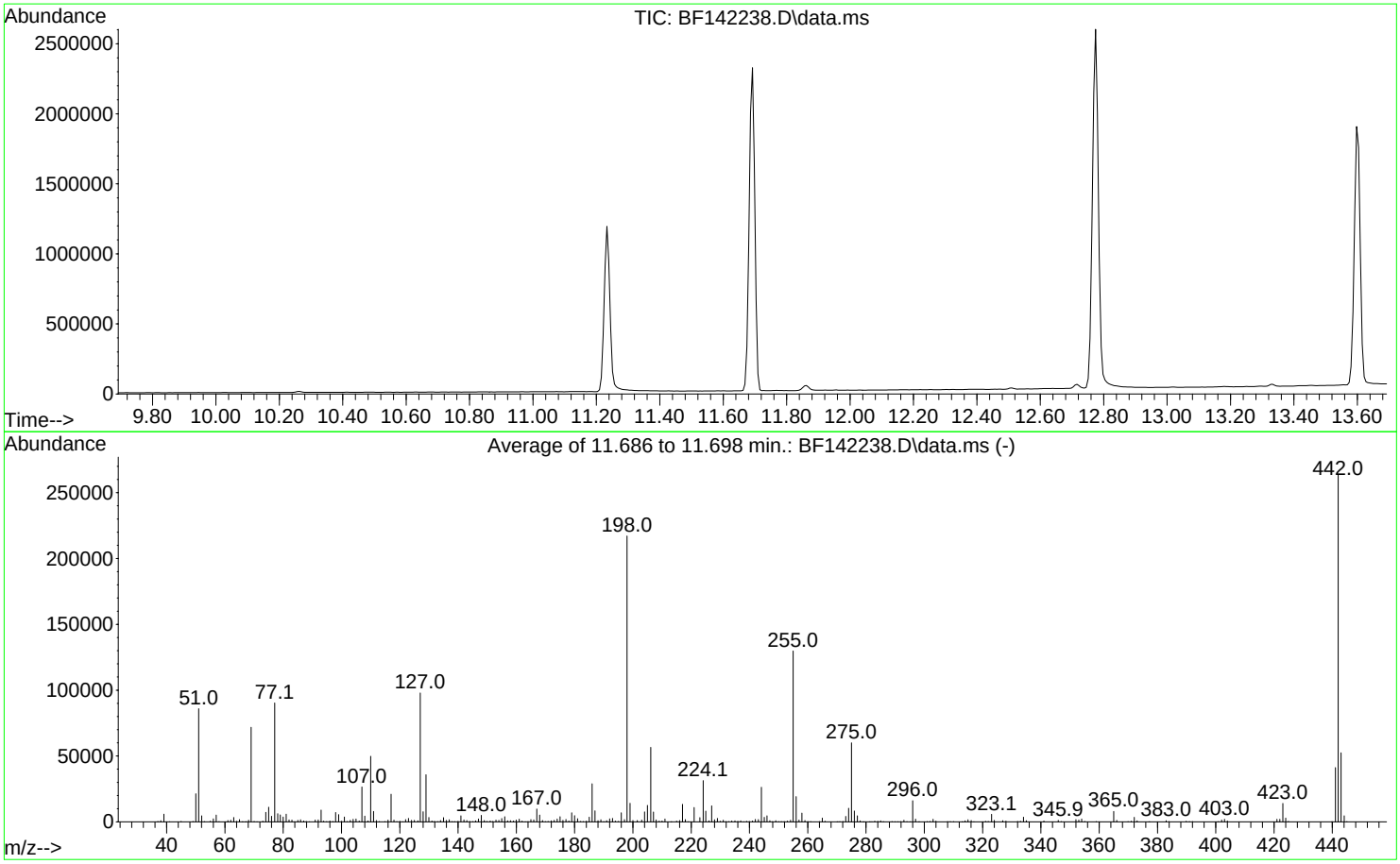
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025



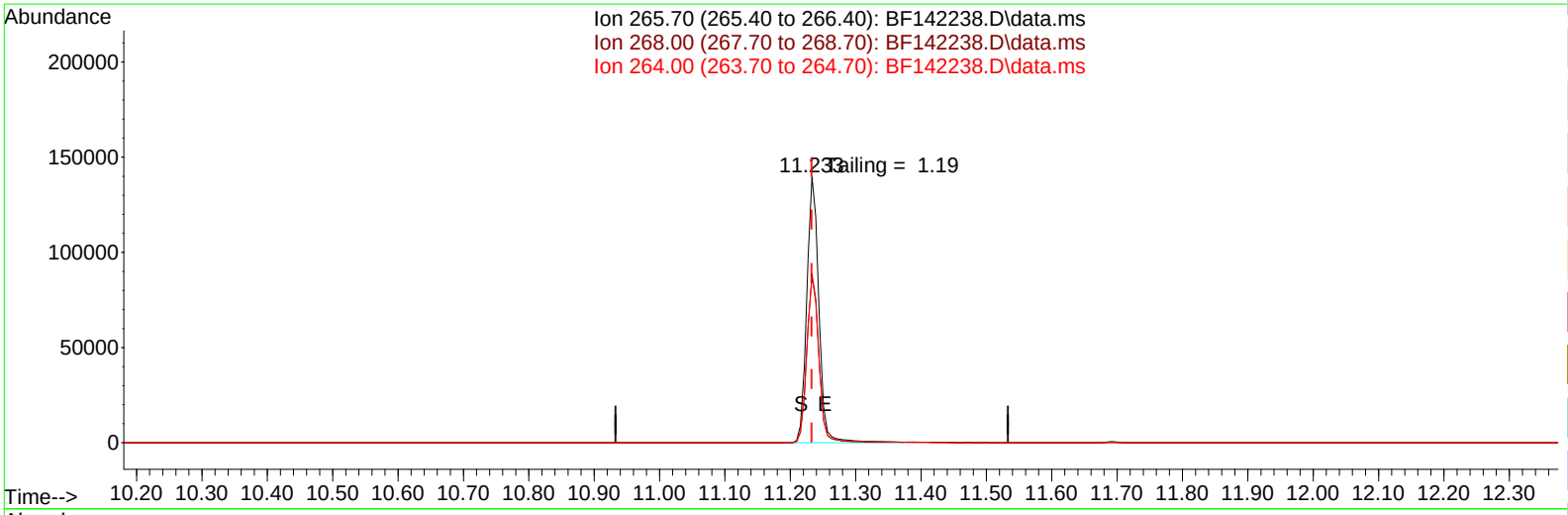
AutoFind: Scans 1614, 1615, 1616; Background Corrected with Scan 1607

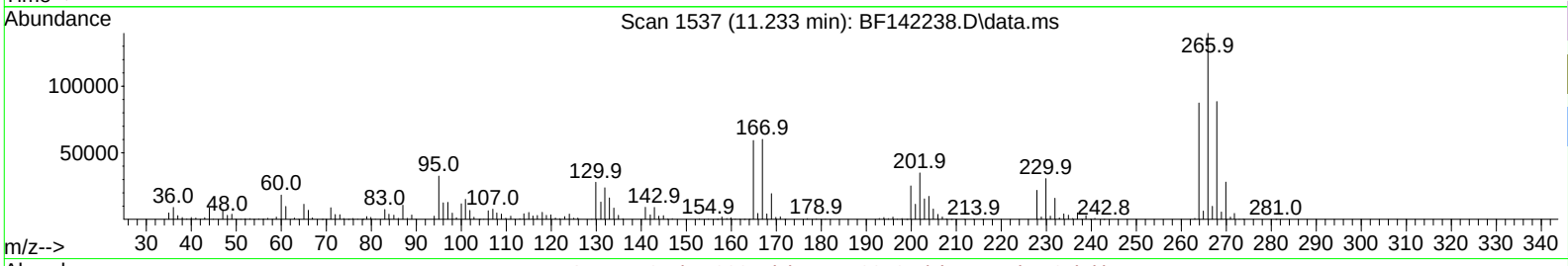
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.6	86007	PASS
68	69	0.00	2	1.8	1316	PASS
69	198	0.00	100	33.1	71903	PASS
70	69	0.00	2	0.5	377	PASS
127	198	10	80	45.1	97928	PASS
197	198	0.00	2	0.8	1760	PASS
198	198	100	100	100.0	217131	PASS
199	198	5	9	6.5	14095	PASS
275	198	10	60	27.6	60019	PASS
365	198	1	100	3.7	7976	PASS
441	198	0.01	100	19.0	41171	PASS
442	442	50	100	100.0	263808	PASS
443	442	15	24	19.9	52467	PASS

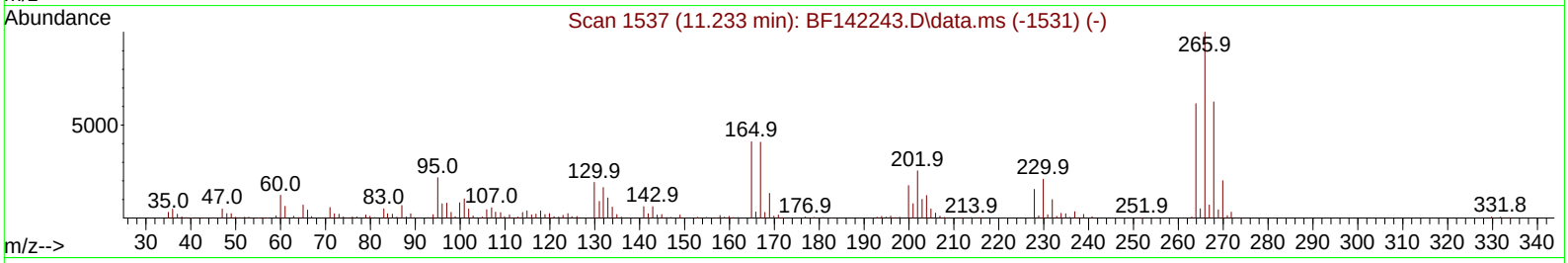
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Apr 30 16:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142238.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 69575.24 ng

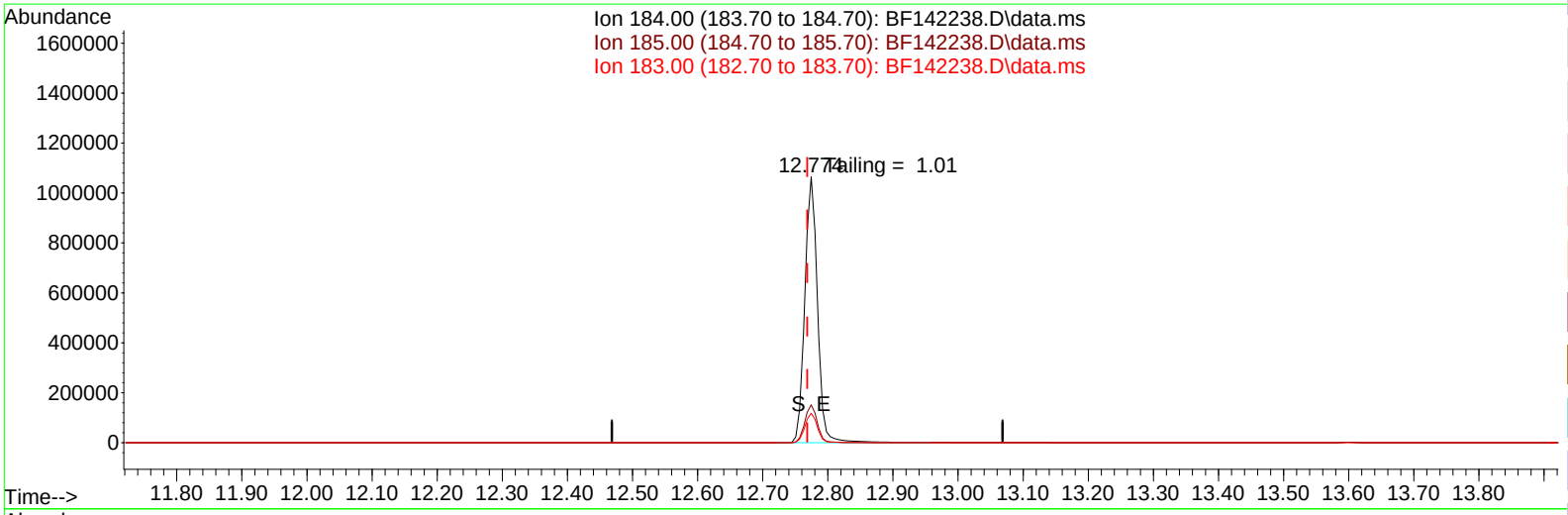
response 180630

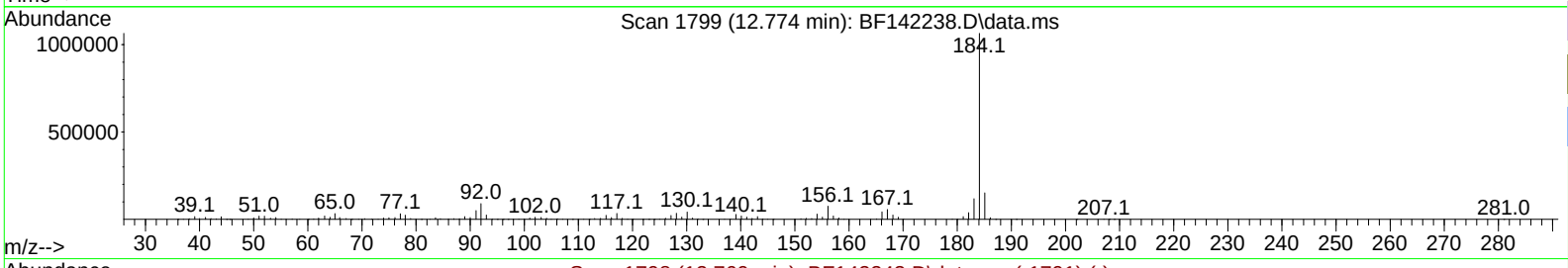
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	63.39
264.00	61.60	62.57
0.00	0.00	0.00

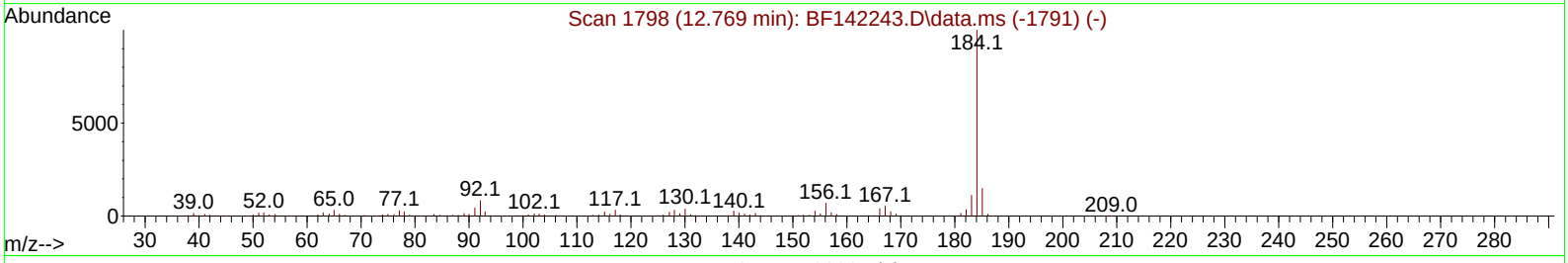
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Apr 30 16:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142238.D\data.ms

(77) Benzidine

12.774min (+ 0.006) 97416.22 ng

response 1440496

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.25
183.00	11.10	11.10
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

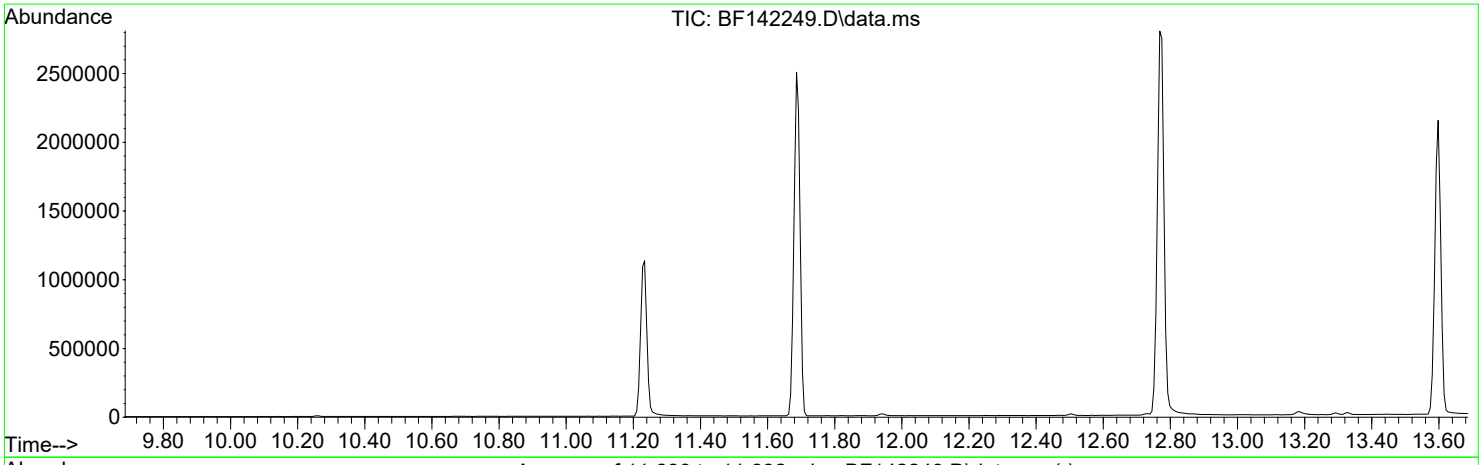
Date	Instrument Name	DFTPP Data File
4/30/2025	BNA_F	BF142238.D
Compound Name	**Response**	**Retention Time**
DDT	378546	13.598
DDD	2841	13.333
DDE	0	12.904
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2841	381387	0.74

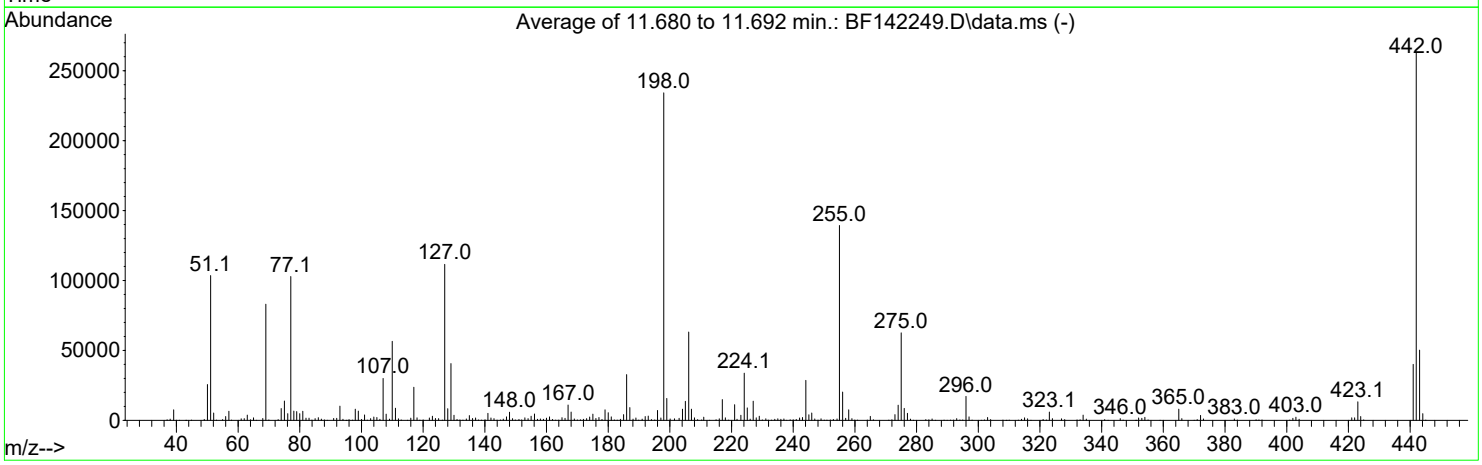
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025





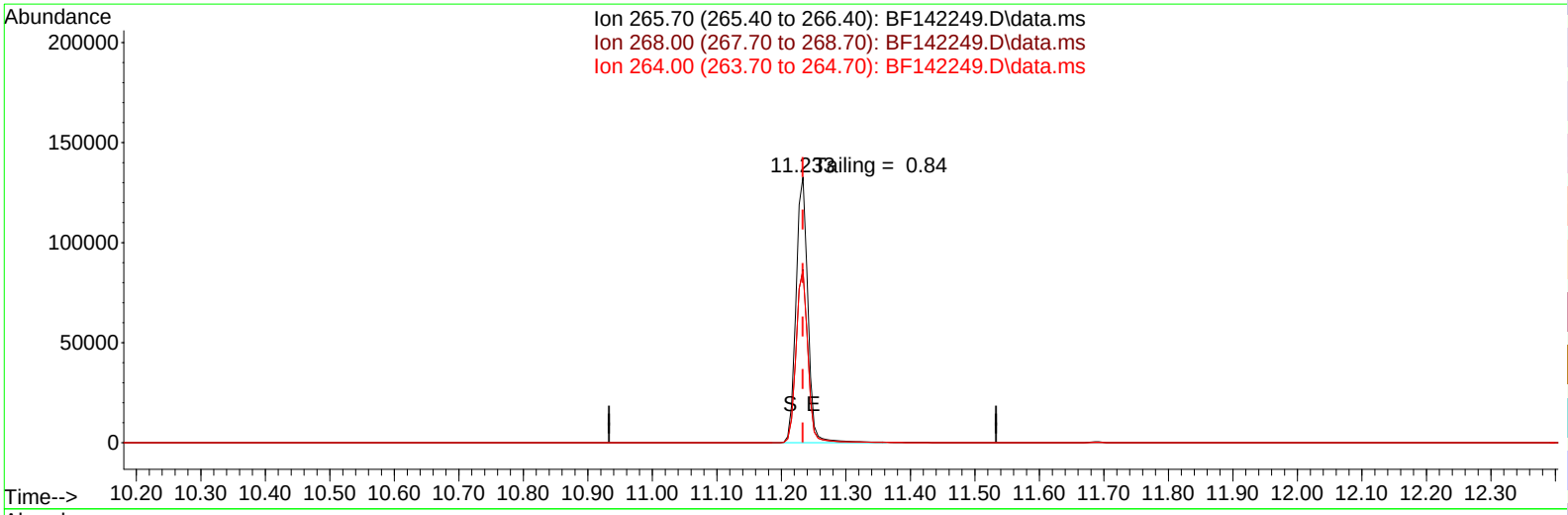
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1607

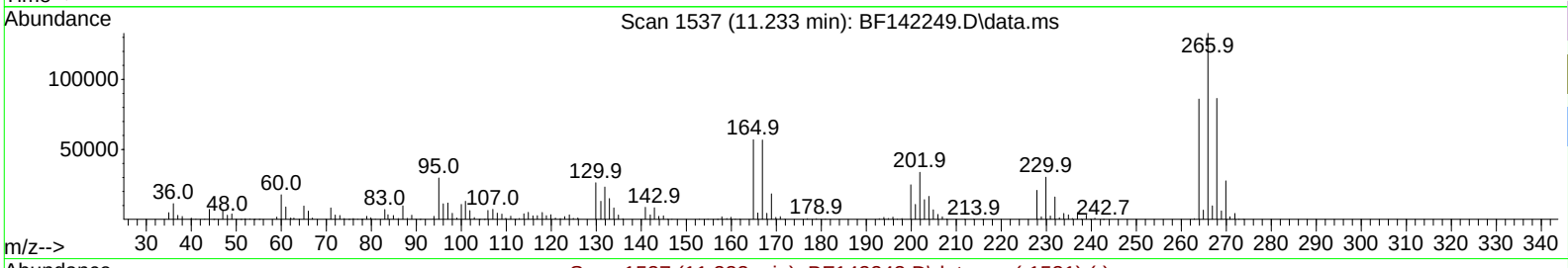
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.2	103579	PASS
68	69	0.00	2	1.6	1339	PASS
69	198	0.00	100	35.5	83059	PASS
70	69	0.00	2	0.5	413	PASS
127	198	10	80	47.7	111579	PASS
197	198	0.00	2	0.7	1704	PASS
198	198	100	100	100.0	234155	PASS
199	198	5	9	6.7	15632	PASS
275	198	10	60	26.7	62555	PASS
365	198	1	100	3.4	8074	PASS
441	198	0.01	100	17.1	40008	PASS
442	442	50	100	100.0	263019	PASS
443	442	15	24	19.1	50208	PASS

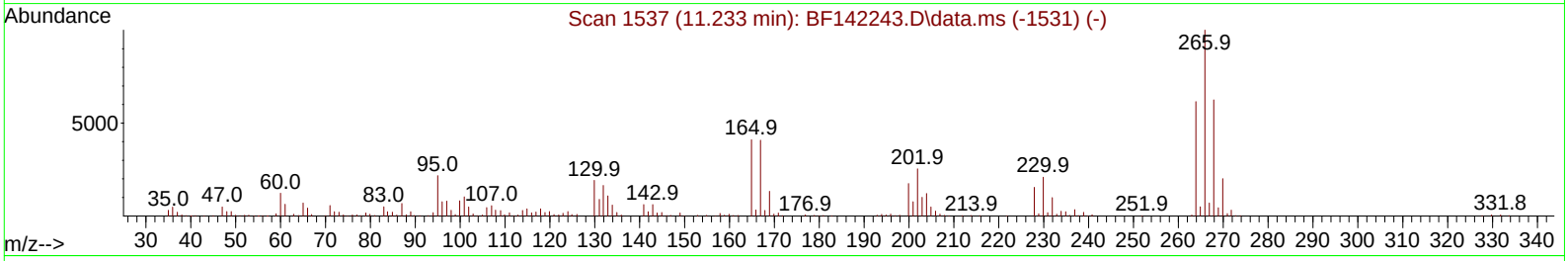
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 01 12:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142249.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 113470.87 ng

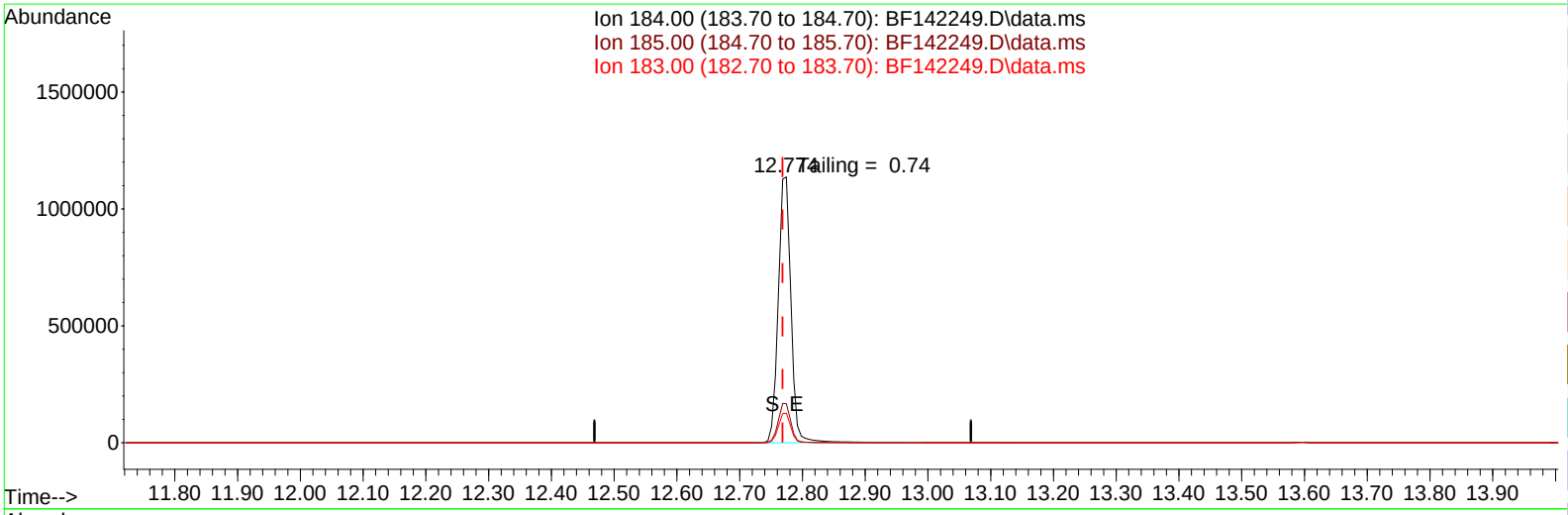
response 170474

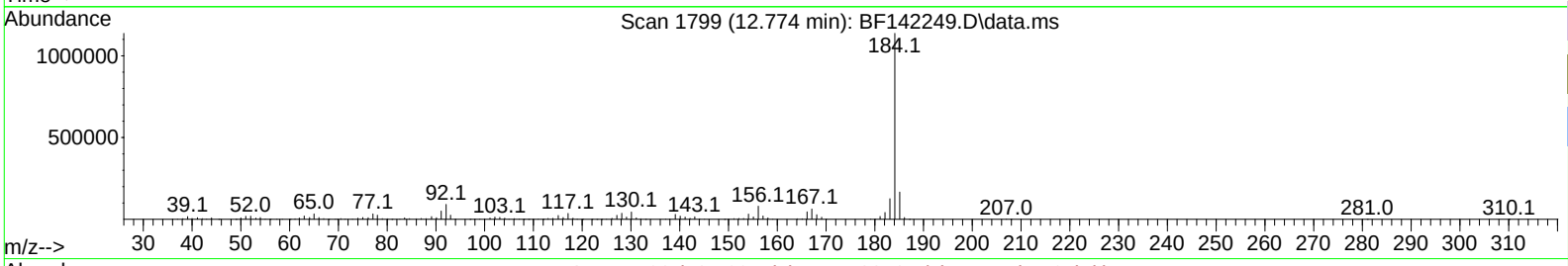
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	65.06
264.00	61.60	64.75
0.00	0.00	0.00

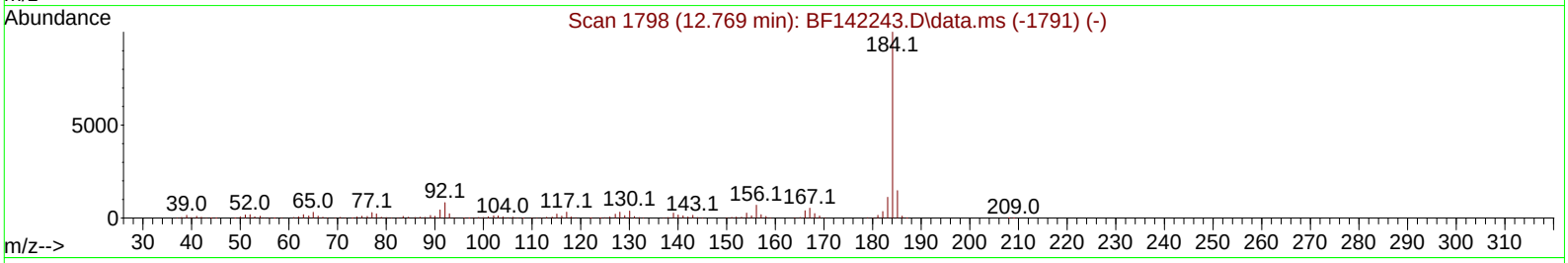
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 01 12:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142249.D\data.ms

(77) Benzidine

12.774min (+ 0.006) 156734.40 ng

response 1611689

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.68
183.00	11.10	11.08
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

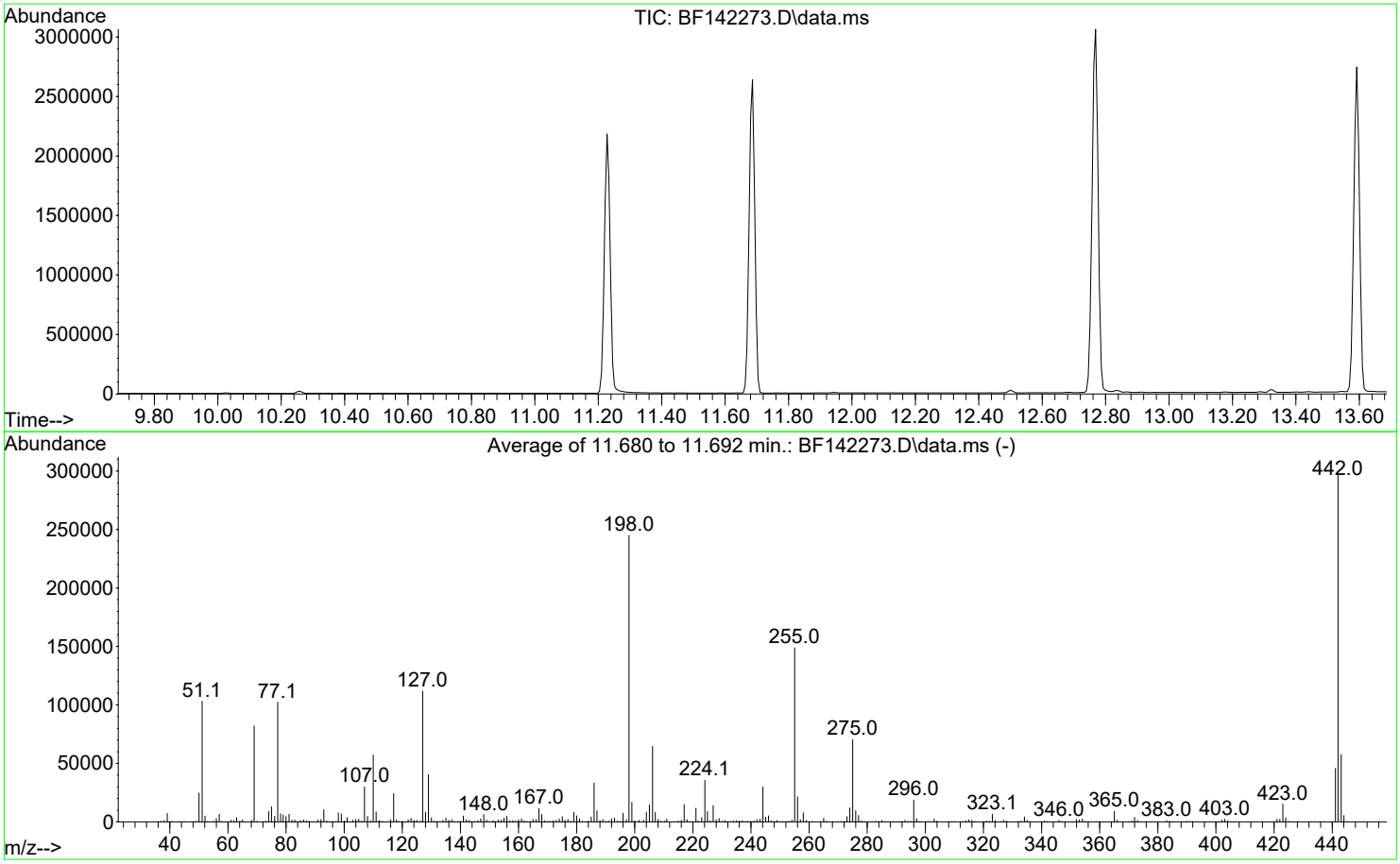
Date	Instrument Name	DFTPP Data File
5/1/2025	BNA_F	BF142249.D
Compound Name	**Response**	**Retention Time**
DDT	427368	13.598
DDD	6172	13.327
DDE	0	12.904
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6172	433540	1.42

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142273.D
Acq On : 02 May 2025 10:11
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-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025



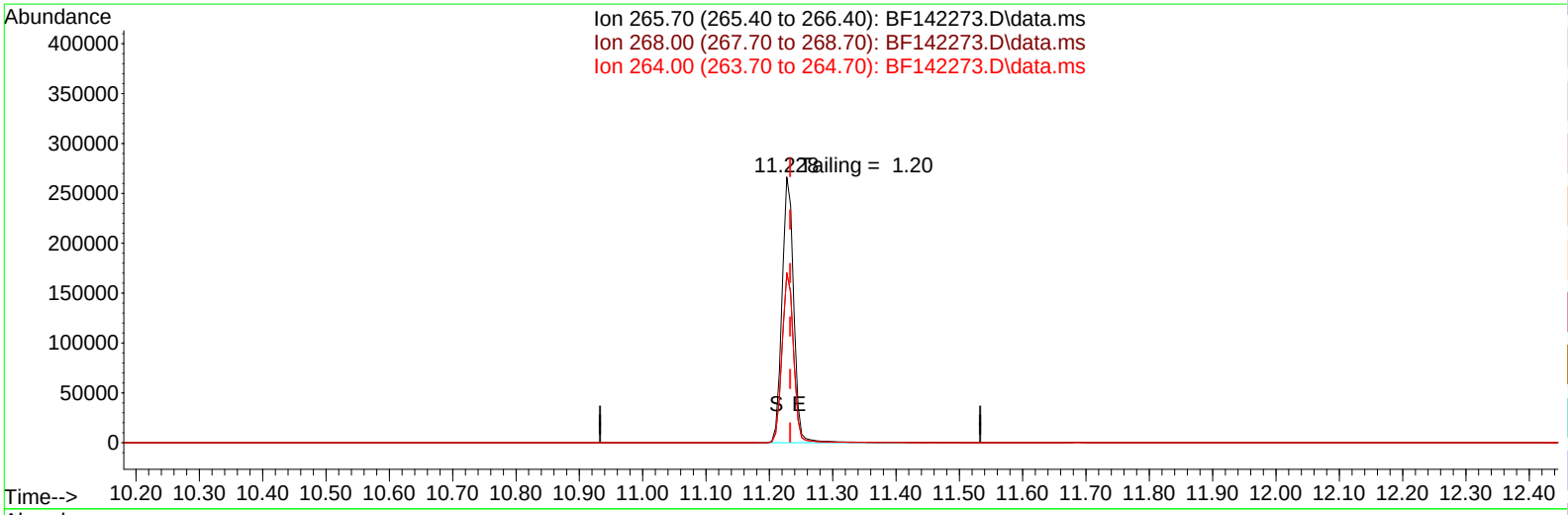
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

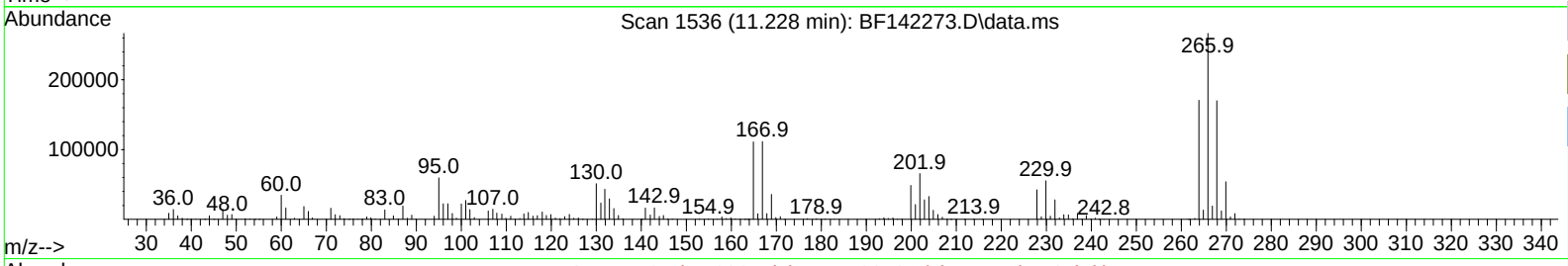
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	103072	PASS
68	69	0.00	2	1.6	1298	PASS
69	198	0.00	100	33.5	82011	PASS
70	69	0.00	2	0.6	473	PASS
127	198	10	80	45.6	111691	PASS
197	198	0.00	2	0.8	2015	PASS
198	198	100	100	100.0	244928	PASS
199	198	5	9	6.8	16632	PASS
275	198	10	60	28.7	70309	PASS
365	198	1	100	3.7	9025	PASS
441	198	0.01	100	18.7	45787	PASS
442	442	50	100	100.0	296981	PASS
443	442	15	24	19.3	57432	PASS

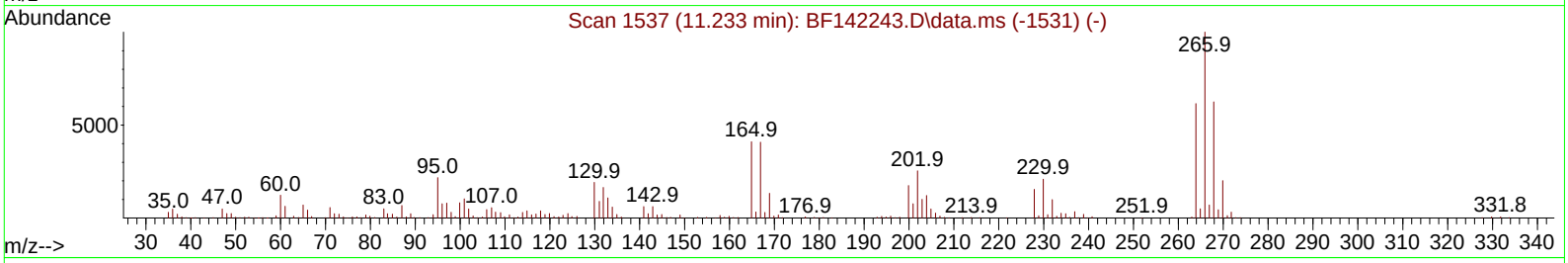
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142273.D
Acq On : 02 May 2025 10:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 02 11:49:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration







TIC: BF142273.D\data.ms

(70) Pentachlorophenol (C)

11.228min (-0.005) 200113.05 ng

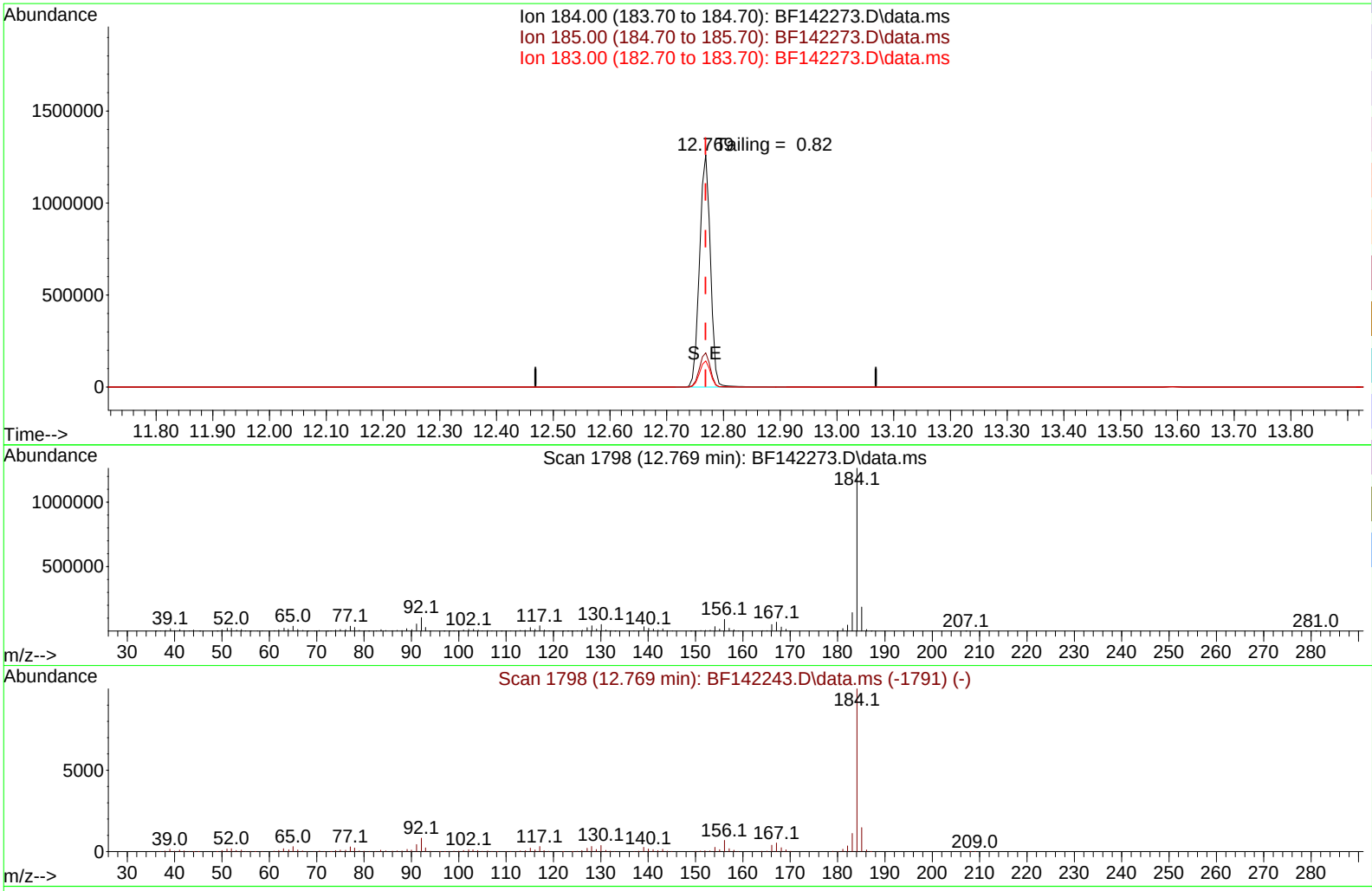
response 342837

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	63.76
264.00	61.60	64.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142273.D
Acq On : 02 May 2025 10:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 02 11:49:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



TIC: BF142273.D\data.ms

(77) Benzidine

12.769min (-0.000) 120826.54 ng

response 1673715

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.73
183.00	11.10	11.31
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/2/2025	BNA_F	BF142273.D
Compound Name	**Response**	**Retention Time**
DDT	646019	13.592
DDD	7521	13.322
DDE	403	12.951
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7924	653943	1.21

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167810BL	SDG No.:	Q1915
Lab Sample ID:	PB167810BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142254.D	1	04/30/25 13:15	05/01/25 12:10	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	5.00	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	5.00	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	110		10 - 139	73%	SPK: 150
13127-88-3	Phenol-d6	109		10 - 134	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.3		49 - 133	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.1		52 - 132	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	63.3		48 - 125	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	224000	6.904			
1146-65-2	Naphthalene-d8	858000	8.187			
15067-26-2	Acenaphthene-d10	450000	9.945			
1517-22-2	Phenanthrene-d10	795000	11.428			
1719-03-5	Chrysene-d12	568000	14.069			
1520-96-3	Perylene-d12	405000	15.563			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB167810BL			SDG No.:	Q1915
Lab Sample ID:	PB167810BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142254.D	1	04/30/25 13:15	05/01/25 12:10	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF050125\
Data File : BF142254.D
Acq On : 01 May 2025 12:10
Operator : RC/JU
Sample : PB167810BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Quant Time: May 01 12:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

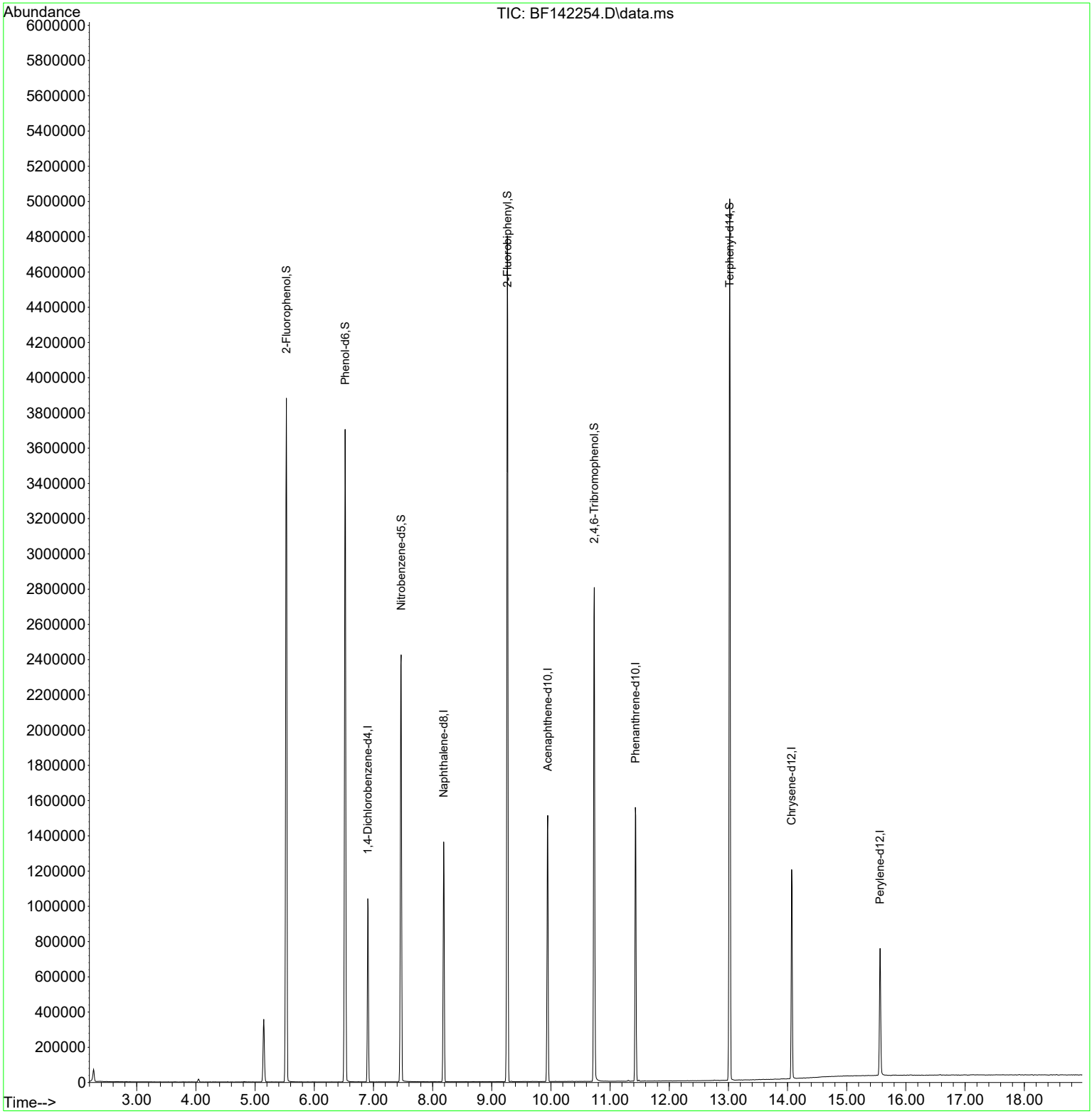
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	223997	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	857825	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	449926	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	794711	20.000	ng	0.00
76) Chrysene-d12	14.069	240	568207	20.000	ng	0.00
86) Perylene-d12	15.563	264	404816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1546121	110.236	ng	0.01
7) Phenol-d6	6.522	99	1853180	109.417	ng	0.00
23) Nitrobenzene-d5	7.469	82	1087156	83.261	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	508946	124.082	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2205083	69.102	ng	0.00
79) Terphenyl-d14	13.022	244	2472921	63.298	ng	0.00
Target Compounds						Qvalue

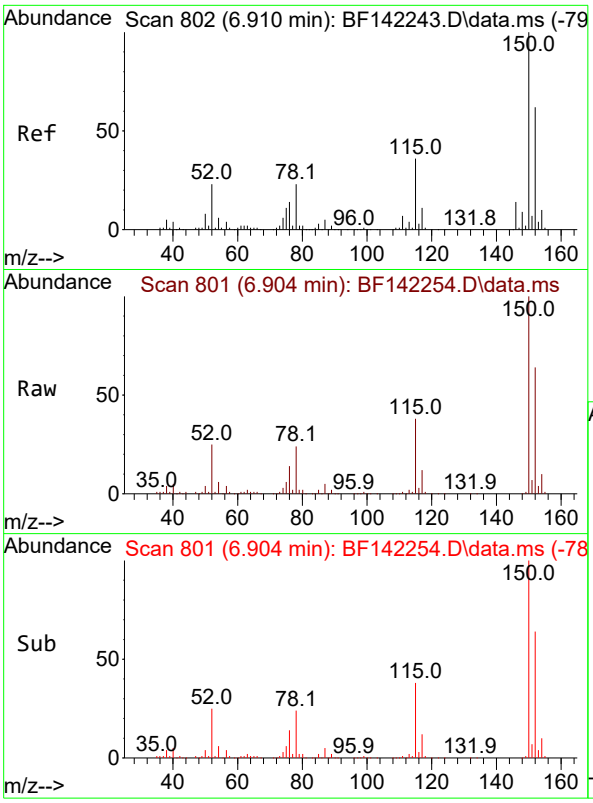
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142254.D
Acq On : 01 May 2025 12:10
Operator : RC/JU
Sample : PB167810BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Quant Time: May 01 12:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



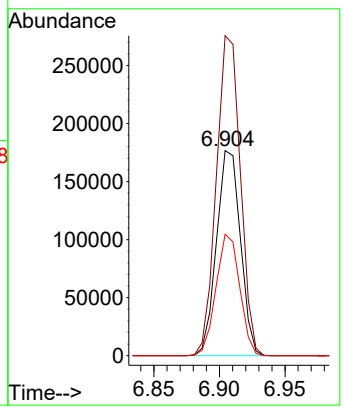


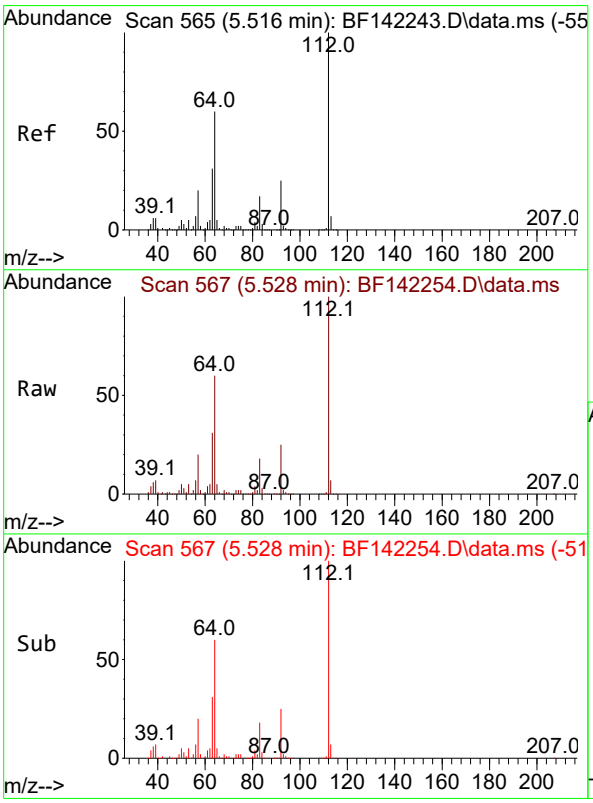
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:152 Resp: 223997

Ion	Ratio	Lower	Upper
152	100		
150	156.1	130.2	195.2
115	59.2	47.0	70.4

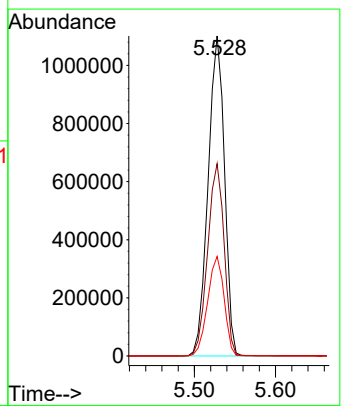


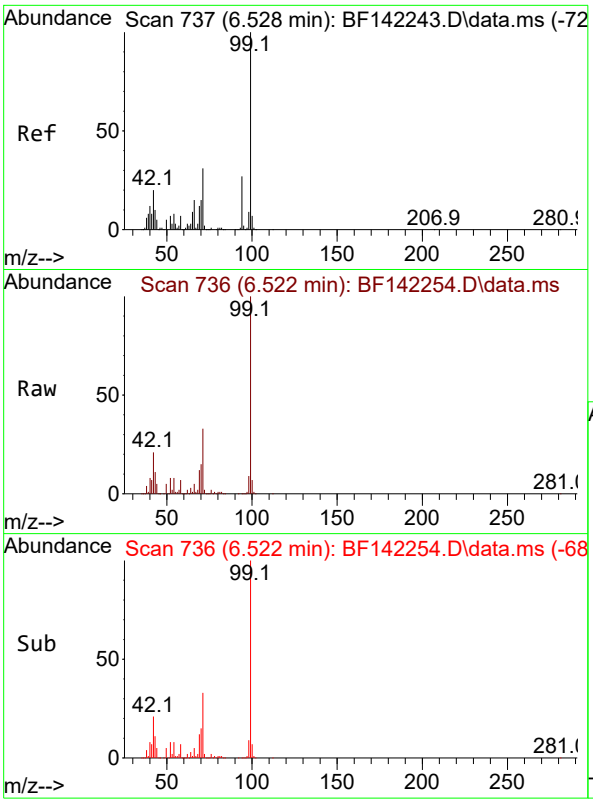


#5
2-Fluorophenol
Concen: 110.236 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:112 Resp: 1546121

Ion	Ratio	Lower	Upper
112	100		
64	60.1	48.4	72.6
63	31.1	24.8	37.2



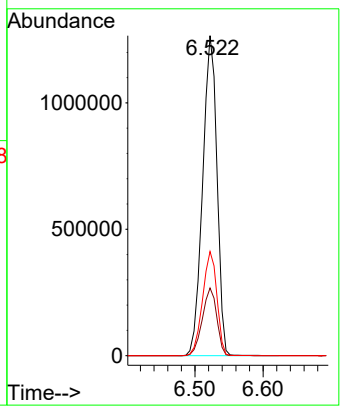


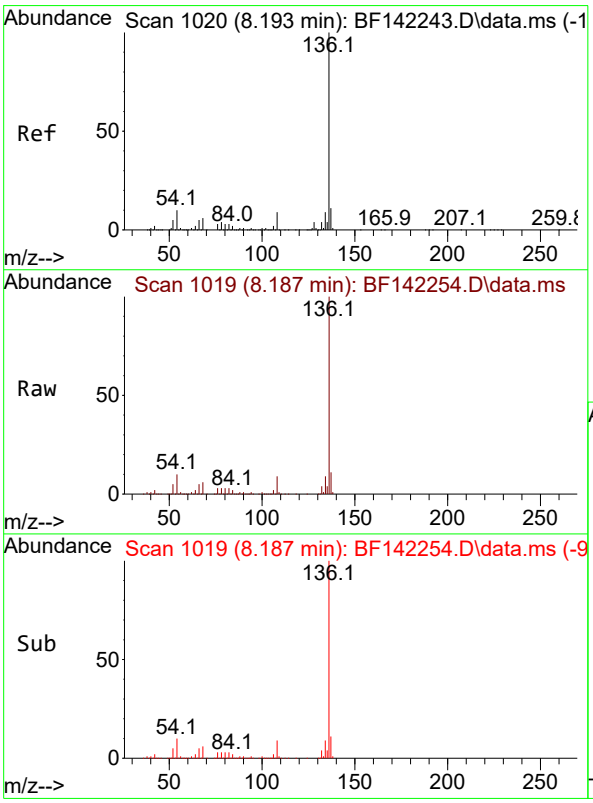
#7
Phenol-d6
Concen: 109.417 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion: 99 Resp: 1853180

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	32.5	25.0	37.4

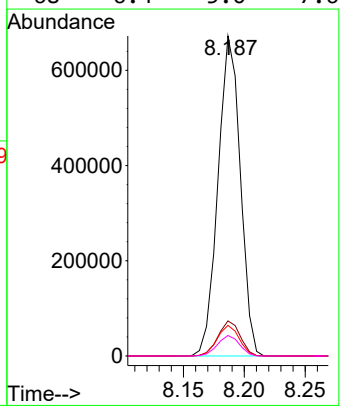


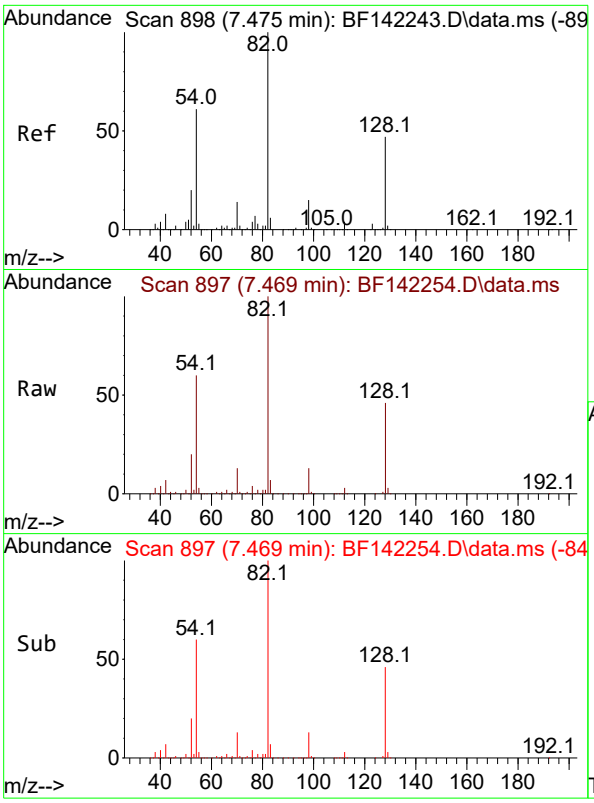


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:136 Resp: 857825

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.6	7.7	11.5
68	6.4	5.0	7.6



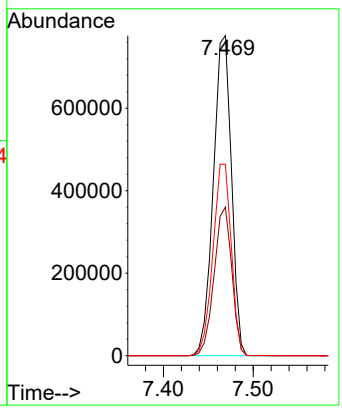


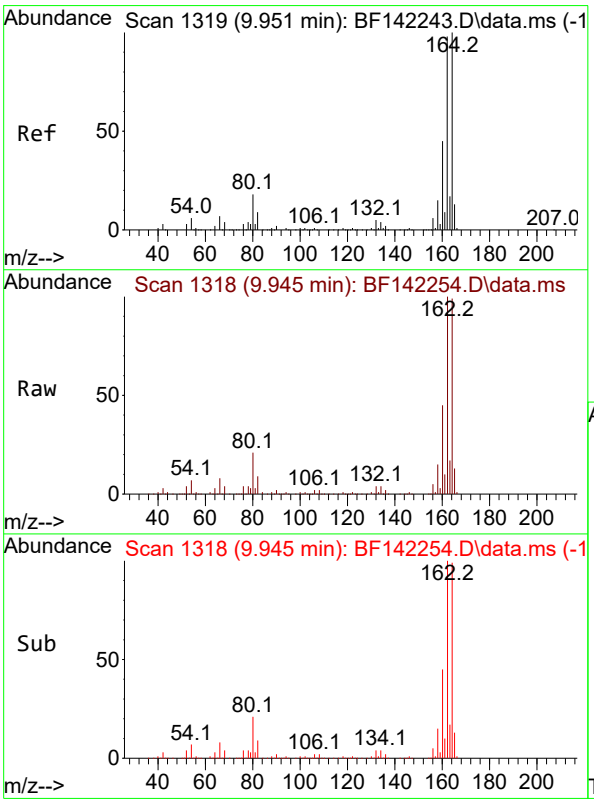
#23
Nitrobenzene-d5
Concen: 83.261 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion: 82 Resp: 1087156

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	59.8	48.0	72.0

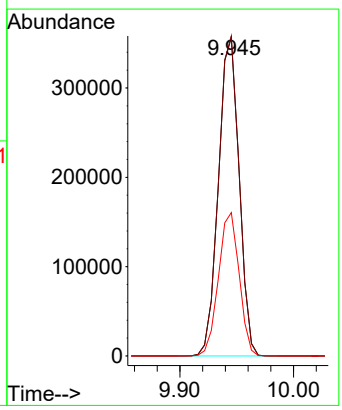


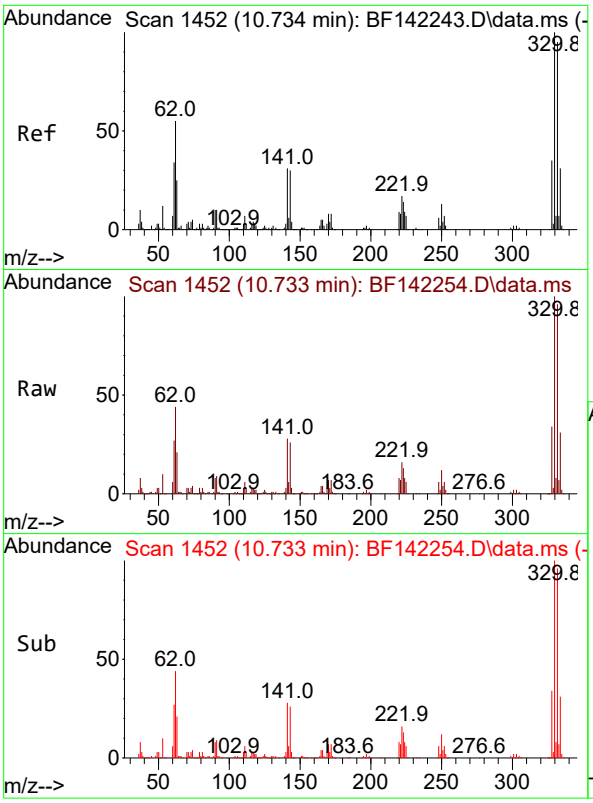


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:164 Resp: 449926

Ion	Ratio	Lower	Upper
164	100		
162	100.6	78.6	117.8
160	45.1	35.7	53.5



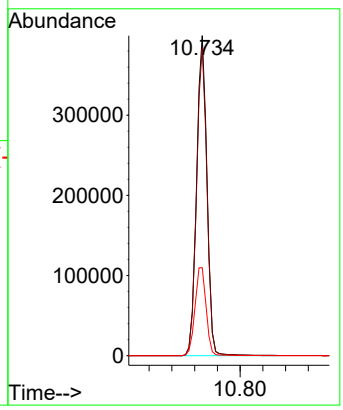


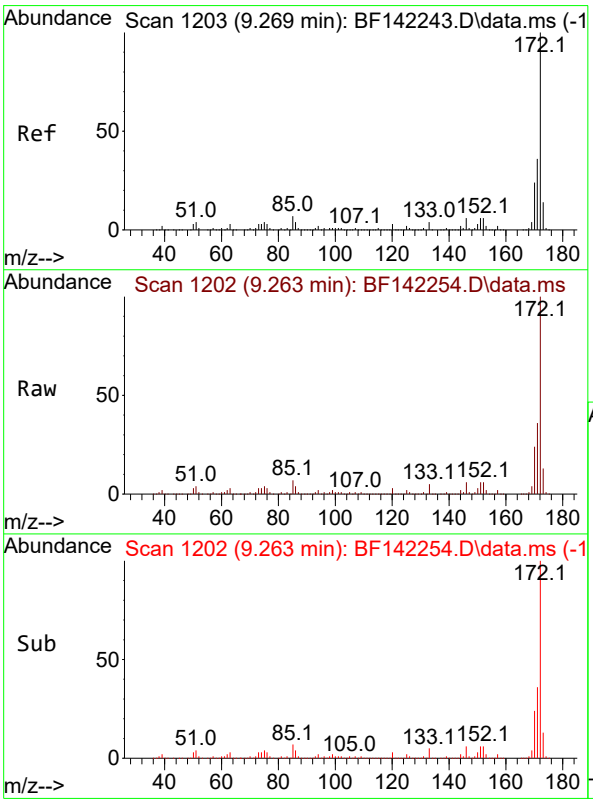
#42
2,4,6-Tribromophenol
Concen: 124.082 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:330 Resp: 508946

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.5	114.7
141	29.6	24.3	36.5

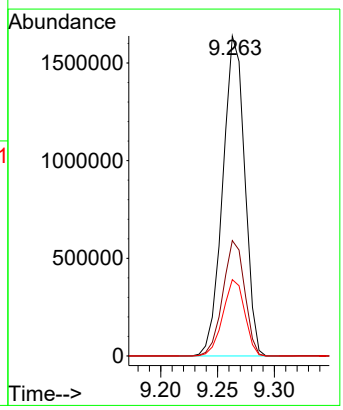


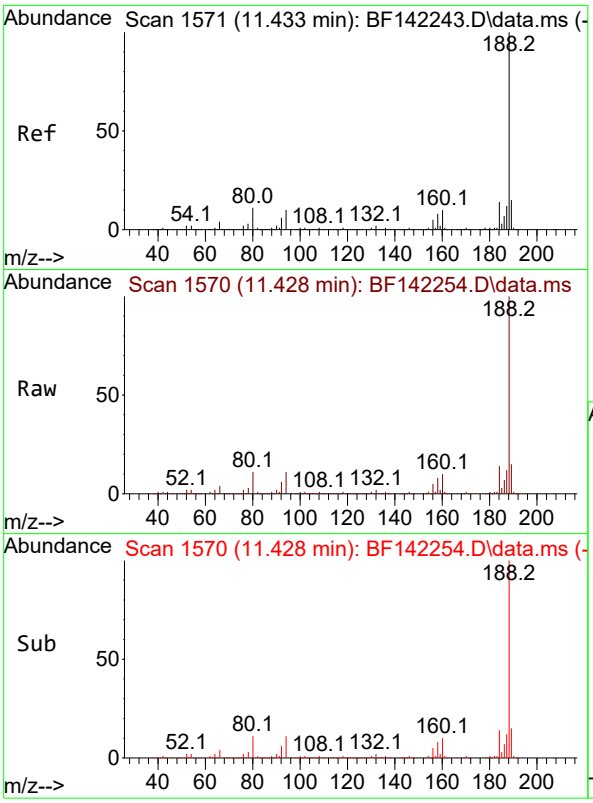


#45
2-Fluorobiphenyl
Concen: 69.102 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:172 Resp: 2205083

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	23.9	19.4	29.0



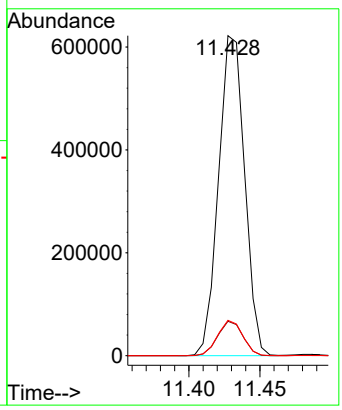


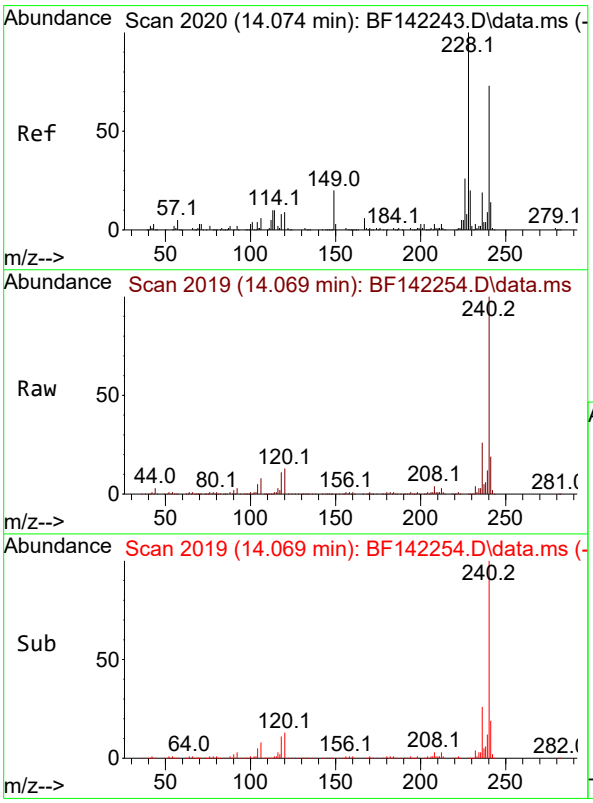
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:188 Resp: 794711

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.2	12.2
80	11.1	8.6	12.8

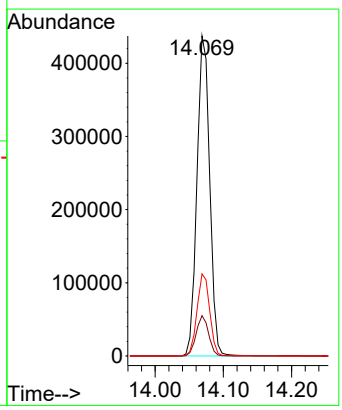


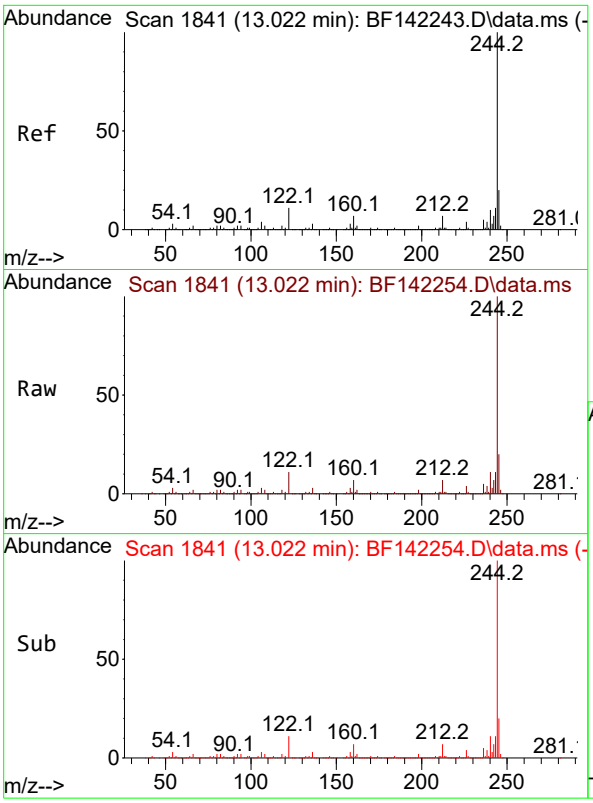


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:240 Resp: 568207

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.7	20.5	30.7



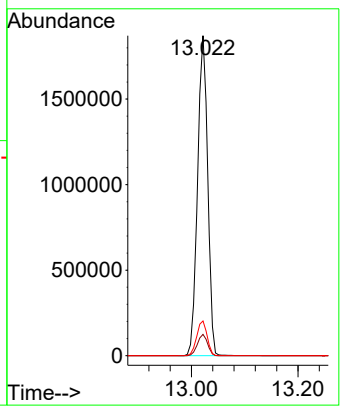


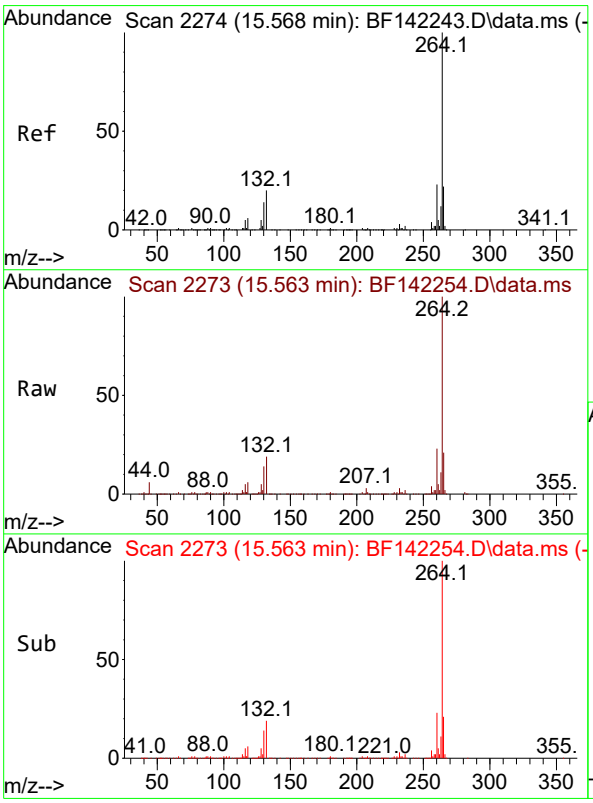
#79
Terphenyl-d14
Concen: 63.298 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:244 Resp: 2472921

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	9.1	13.7

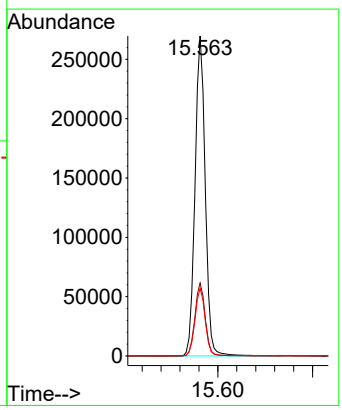




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:264 Resp: 404816

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.4	27.6
265	21.1	17.3	25.9



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167810BS	SDG No.:	Q1915
Lab Sample ID:	PB167810BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142255.D	1	04/30/25 13:15	05/01/25 12:39	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.2		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	39.6		0.53	5.00	ug/L
95-48-7	2-Methylphenol	41.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	41.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.8		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	43.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.9		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.8		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	41.6		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	93.4	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	111		10 - 139	74%	SPK: 150
13127-88-3	Phenol-d6	113		10 - 134	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.4		49 - 133	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.5		52 - 132	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	74.1		48 - 125	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	229000	6.91			
1146-65-2	Naphthalene-d8	893000	8.192			
15067-26-2	Acenaphthene-d10	472000	9.945			
1517-22-2	Phenanthrene-d10	805000	11.433			
1719-03-5	Chrysene-d12	464000	14.074			
1520-96-3	Perylene-d12	447000	15.568			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB167810BS			SDG No.:	Q1915
Lab Sample ID:	PB167810BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142255.D	1	04/30/25 13:15	05/01/25 12:39	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF050125\
Data File : BF142255.D
Acq On : 01 May 2025 12:39
Operator : RC/JU
Sample : PB167810BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 13:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	228833	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	892782	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	472284	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	804874	20.000	ng	0.00
76) Chrysene-d12	14.074	240	464382	20.000	ng	0.00
86) Perylene-d12	15.568	264	446826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1593182	111.191	ng	0.02
7) Phenol-d6	6.528	99	1946714	112.510	ng	0.00
23) Nitrobenzene-d5	7.469	82	1119930	82.412	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	568456	132.029	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2294519	68.501	ng	0.00
79) Terphenyl-d14	13.021	244	2366082	74.104	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.798	88	217494	33.987	ng	98
3) Pyridine	3.551	79	618200	37.171	ng	100
4) n-Nitrosodimethylamine	3.504	42	358234	41.623	ng	99
6) Aniline	6.569	93	471322	19.245	ng	100
8) 2-Chlorophenol	6.692	128	631635	42.661	ng	99
9) Benzaldehyde	6.457	77	305773	25.285	ng	98
10) Phenol	6.545	94	755191m	40.542	ng	
11) bis(2-Chloroethyl)ether	6.639	93	588988	40.804	ng	99
12) 1,3-Dichlorobenzene	6.851	146	659968	39.402	ng	98
13) 1,4-Dichlorobenzene	6.928	146	667827	39.574	ng	99
14) 1,2-Dichlorobenzene	7.075	146	650967	40.407	ng	99
15) Benzyl Alcohol	7.045	79	515024	41.969	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1072194	41.135	ng	100
17) 2-Methylphenol	7.151	107	497856	41.046	ng	99
18) Hexachloroethane	7.422	117	231050	41.832	ng	97
19) n-Nitroso-di-n-propyla...	7.322	70	427592	39.992	ng	99
20) 3+4-Methylphenols	7.304	107	618253	40.760	ng	92
22) Acetophenone	7.316	105	826671	40.025	ng	99
24) Nitrobenzene	7.492	77	610784	45.807	ng	99
25) Isophorone	7.728	82	1177064	41.271	ng	99
26) 2-Nitrophenol	7.804	139	256947	46.237	ng	99
27) 2,4-Dimethylphenol	7.839	122	602302	41.886	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	734241	40.821	ng	99
29) 2,4-Dichlorophenol	8.039	162	518664	43.143	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	544203	40.565	ng	99
31) Naphthalene	8.216	128	1769061	39.733	ng	100
32) Benzoic acid	7.945	122	321202m	47.181	ng	
33) 4-Chloroaniline	8.251	127	82158	4.431	ng	99
34) Hexachlorobutadiene	8.328	225	324756	41.492	ng	99
35) Caprolactam	8.622	113	163644m	45.287	ng	
36) 4-Chloro-3-methylphenol	8.733	107	523494	42.406	ng	99
37) 2-Methylnaphthalene	8.904	142	1090096	39.822	ng	99
38) 1-Methylnaphthalene	9.004	142	1143793	40.333	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	524634	39.471	ng	99
41) Hexachlorocyclopentadiene	9.057	237	668416	88.607	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	357651	43.423	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142255.D
Acq On : 01 May 2025 12:39
Operator : RC/JU
Sample : PB167810BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 13:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	388570	44.872	ng		98
46) 1,1'-Biphenyl	9.369	154	1458088	39.713	ng		100
47) 2-Chloronaphthalene	9.392	162	1093139	40.017	ng		100
48) 2-Nitroaniline	9.486	65	321433	44.957	ng		99
49) Acenaphthylene	9.810	152	1847757	40.085	ng		100
50) Dimethylphthalate	9.669	163	1268421	41.981	ng		100
51) 2,6-Dinitrotoluene	9.727	165	263569	45.692	ng		98
52) Acenaphthene	9.980	154	1164359	43.261	ng		100
53) 3-Nitroaniline	9.892	138	98911	16.287	ng		95
54) 2,4-Dinitrophenol	9.998	184	196654	90.602	ng	#	18
55) Dibenzofuran	10.157	168	1606504	39.818	ng		100
56) 4-Nitrophenol	10.045	139	484293	101.975	ng		98
57) 2,4-Dinitrotoluene	10.133	165	350987	49.818	ng		98
58) Fluorene	10.498	166	1221943	39.832	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	330098	46.019	ng		99
60) Diethylphthalate	10.369	149	1267747	42.490	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	585254	40.172	ng		99
62) 4-Nitroaniline	10.510	138	286425	44.888	ng		99
63) Azobenzene	10.651	77	1208231	41.009	ng		99
65) 4,6-Dinitro-2-methylph...	10.539	198	126239	47.699	ng		95
66) n-Nitrosodiphenylamine	10.610	169	1104532	40.164	ng		99
67) 4-Bromophenyl-phenylether	10.980	248	373384	41.655	ng		98
68) Hexachlorobenzene	11.045	284	417991	41.636	ng		100
69) Atrazine	11.133	200	332195	45.827	ng		98
70) Pentachlorophenol	11.233	266	495448	93.418	ng		98
71) Phenanthrene	11.463	178	1740817	40.041	ng		100
72) Anthracene	11.510	178	1786049	40.180	ng		100
73) Carbazole	11.663	167	1677441	41.368	ng		100
74) Di-n-butylphthalate	11.998	149	1839790	45.113	ng		100
75) Fluoranthene	12.645	202	1819275	42.331	ng		99
77) Benzidine	12.763	184	347980	17.635	ng		98
78) Pyrene	12.880	202	1803569	42.103	ng		99
80) Butylbenzylphthalate	13.498	149	532587	45.667	ng		99
81) Benzo(a)anthracene	14.062	228	1330282	42.672	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	74664	8.154	ng		98
83) Chrysene	14.104	228	1152993	40.631	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	632694	39.646	ng		99
85) Di-n-octyl phthalate	14.674	149	1144596	39.690	ng		100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1374940	42.010	ng		100
88) Benzo(b)fluoranthene	15.127	252	1207610	43.510	ng		99
89) Benzo(k)fluoranthene	15.156	252	1003805	39.540	ng		99
90) Benzo(a)pyrene	15.504	252	1073003	42.227	ng		100
91) Dibenzo(a,h)anthracene	17.098	278	1112811	41.894	ng		99
92) Benzo(g,h,i)perylene	17.539	276	1122234	42.026	ng		99

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

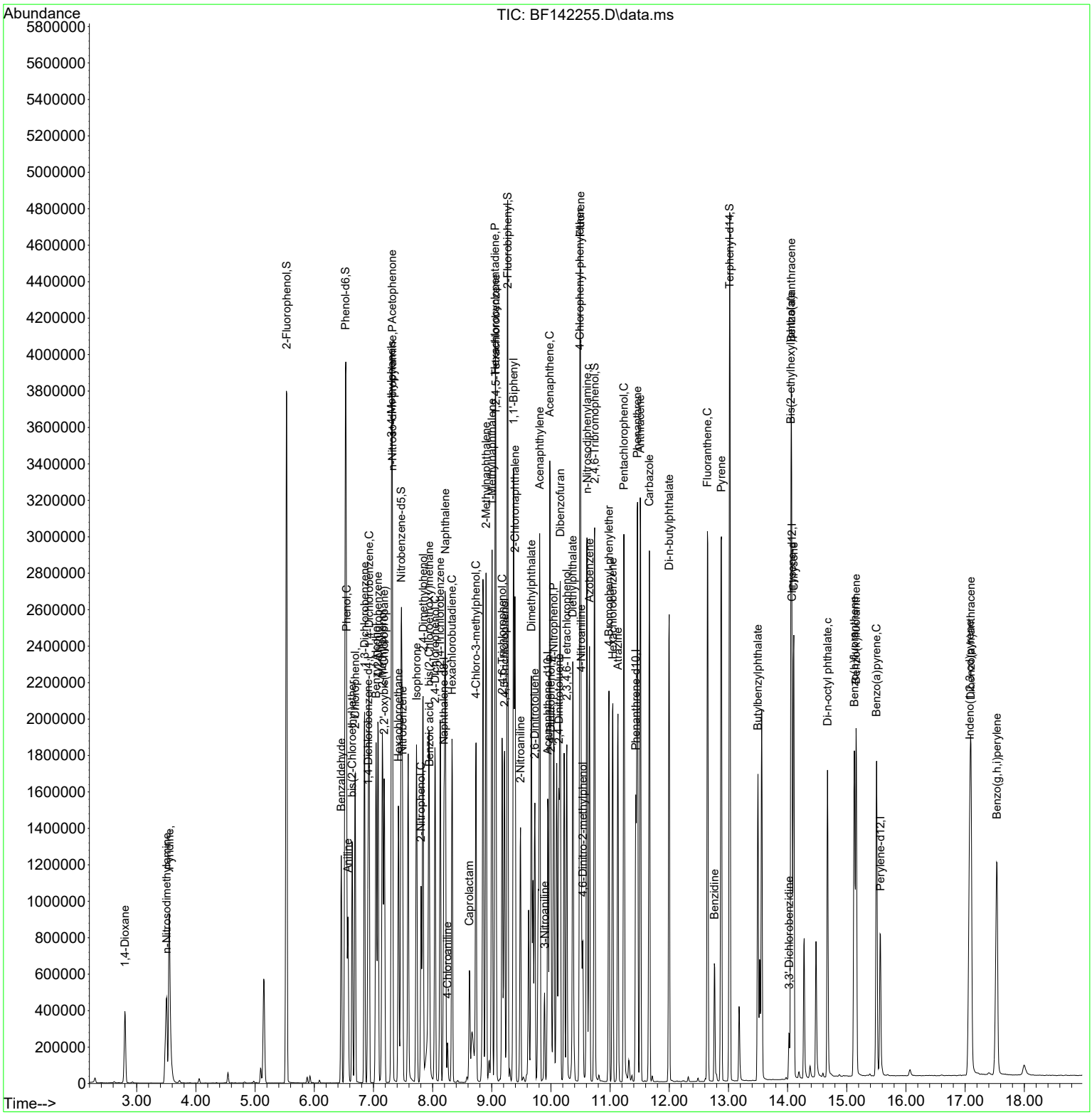
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142255.D
Acq On : 01 May 2025 12:39
Operator : RC/JU
Sample : PB167810BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

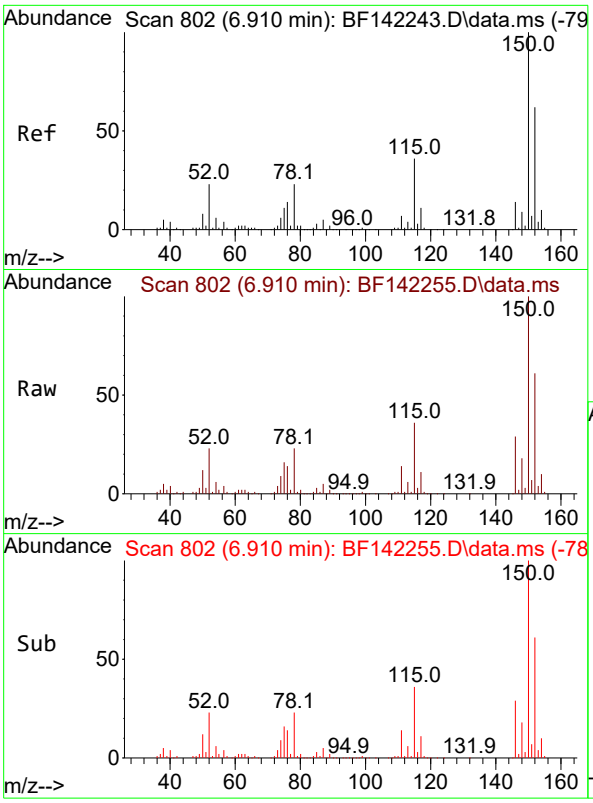
Quant Time: May 01 13:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

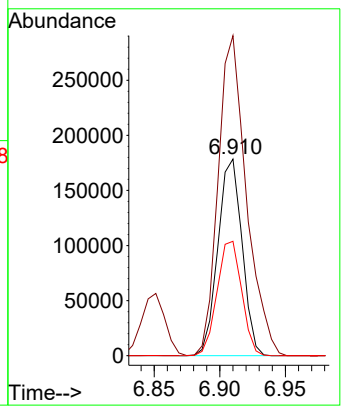




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:152 Resp: 22883

Ion	Ratio	Lower	Upper
152	100		
150	162.7	130.2	195.2
115	58.2	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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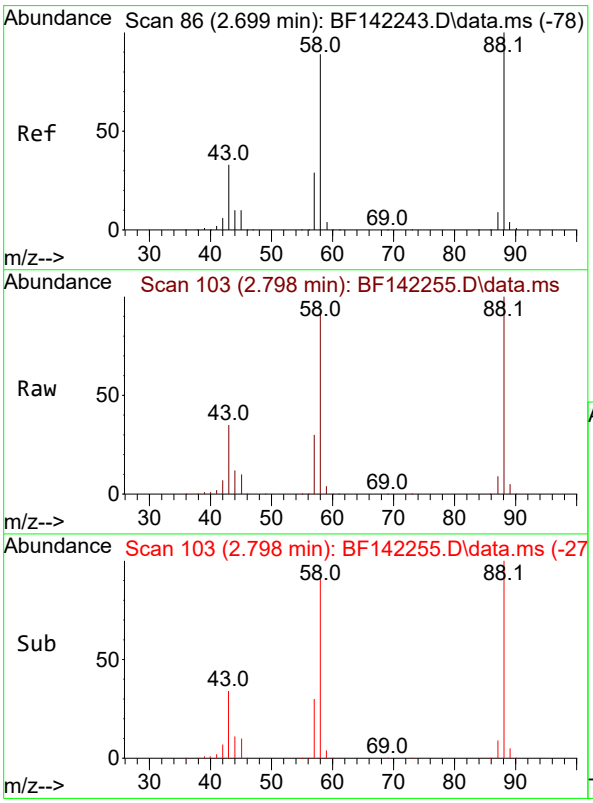
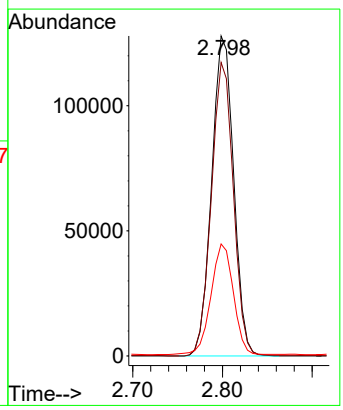
Supervised By :Jagrut Upadhyay 05/02/2025

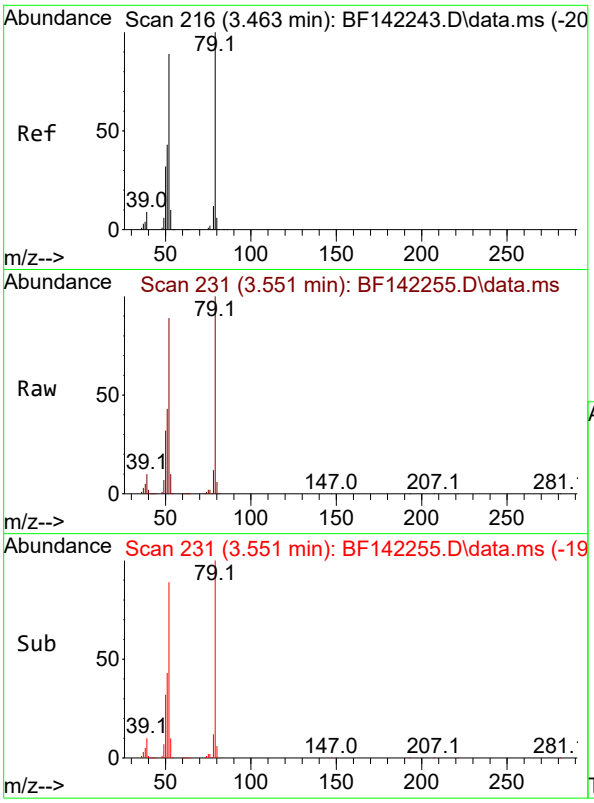


#2
1,4-Dioxane
Concen: 33.987 ng
RT: 2.798 min Scan# 103
Delta R.T. 0.100 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 88 Resp: 217494

Ion	Ratio	Lower	Upper
88	100		
58	92.0	72.2	108.2
43	35.3	27.0	40.6

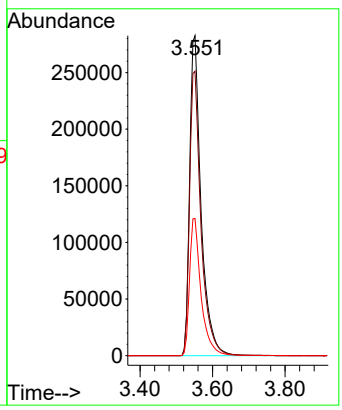




#3
Pyridine
Concen: 37.171 ng
RT: 3.551 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 79 Resp: 61820

Ion	Ratio	Lower	Upper
79	100		
52	88.9	71.5	107.3
51	42.9	34.5	51.7



Instrument :
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ClientSampleId :
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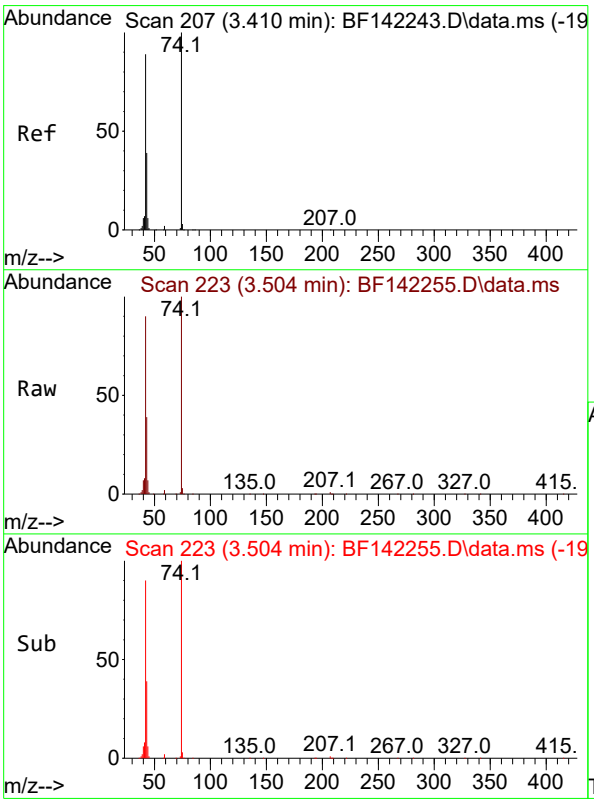
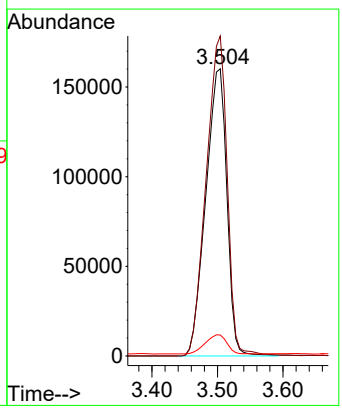
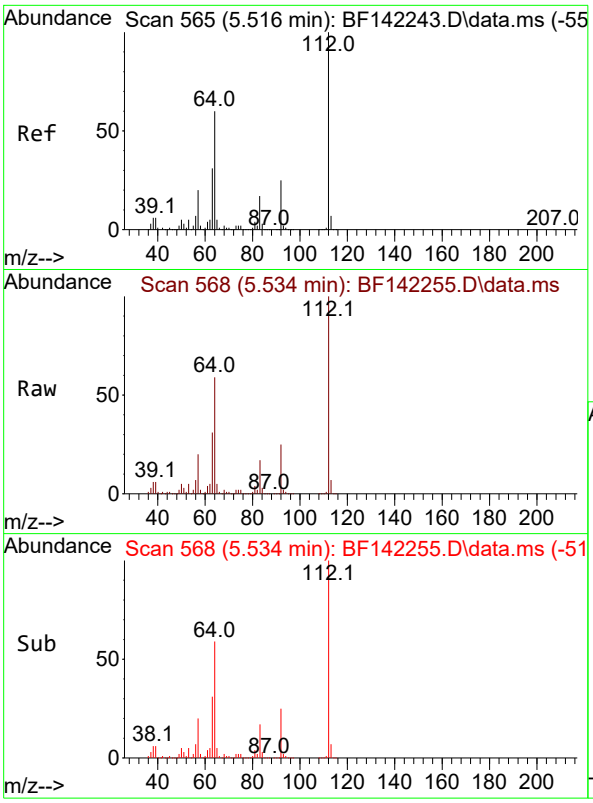


#4
n-Nitrosodimethylamine
Concen: 41.623 ng
RT: 3.504 min Scan# 223
Delta R.T. 0.094 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 42 Resp: 358234

Ion	Ratio	Lower	Upper
42	100		
74	111.4	89.5	134.3
44	7.3	6.6	9.8





#5
2-Fluorophenol
Concen: 111.191 ng
RT: 5.534 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:112 Resp: 159318

Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.4	72.6
63	30.6	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
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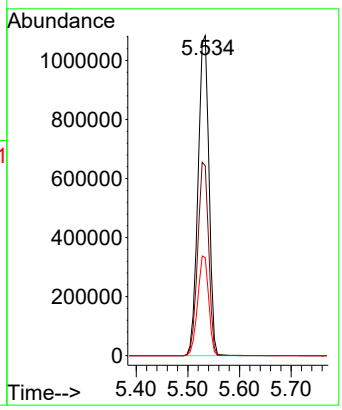
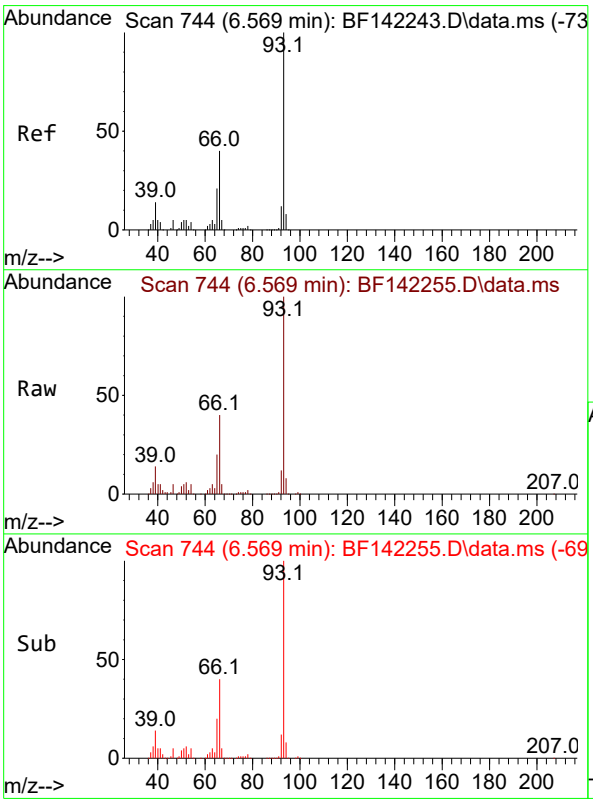
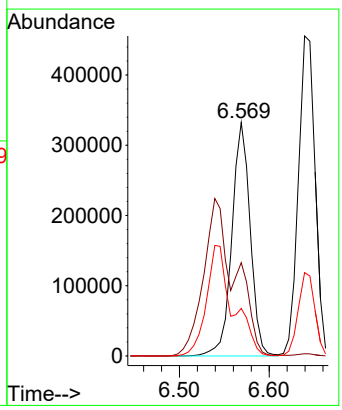


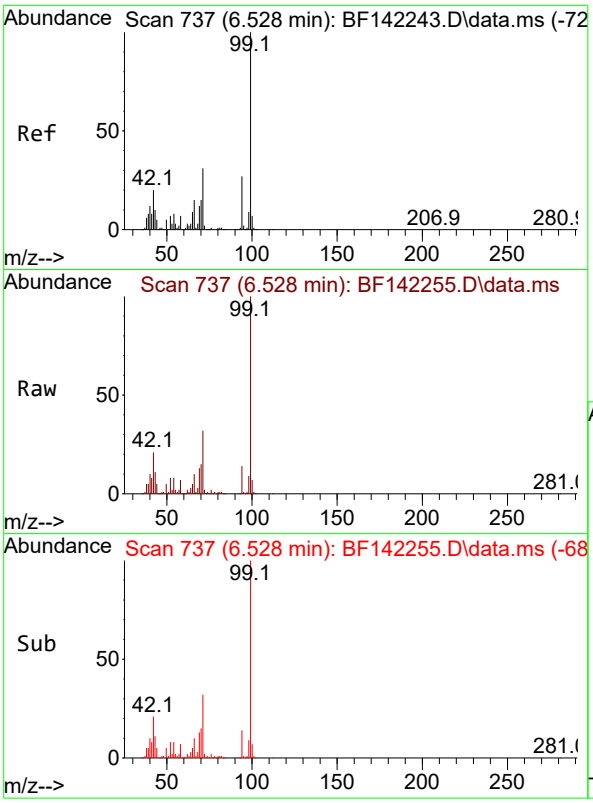


#6
Aniline
Concen: 19.245 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 93 Resp: 471322

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.1	48.1
65	20.4	16.6	24.8

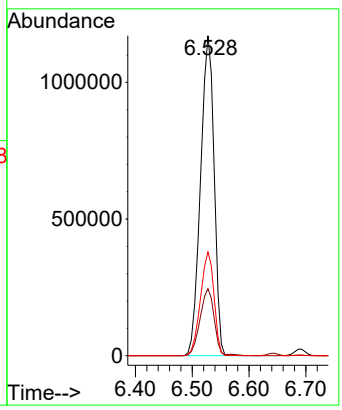




#7
Phenol-d6
Concen: 112.510 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 99 Resp: 194671

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.4	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
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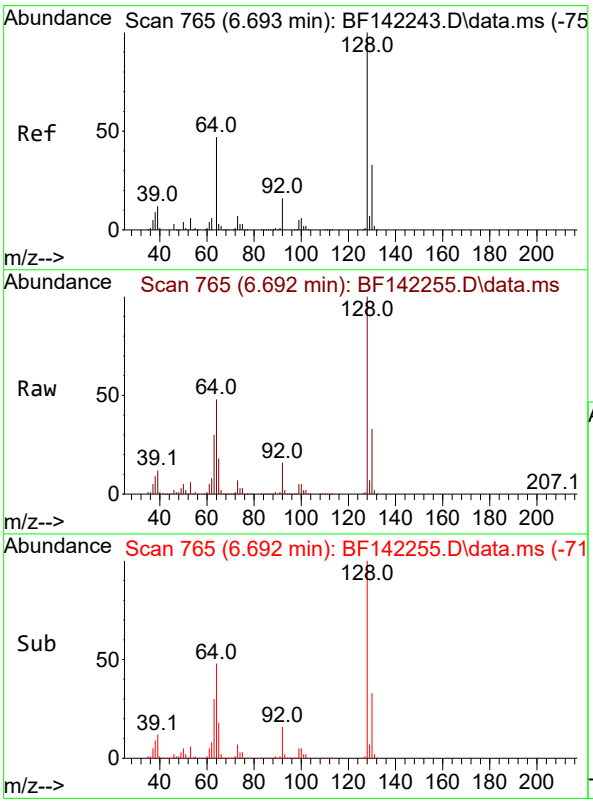
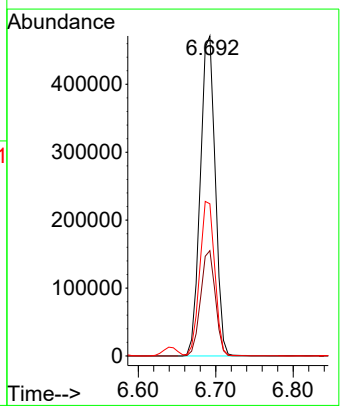
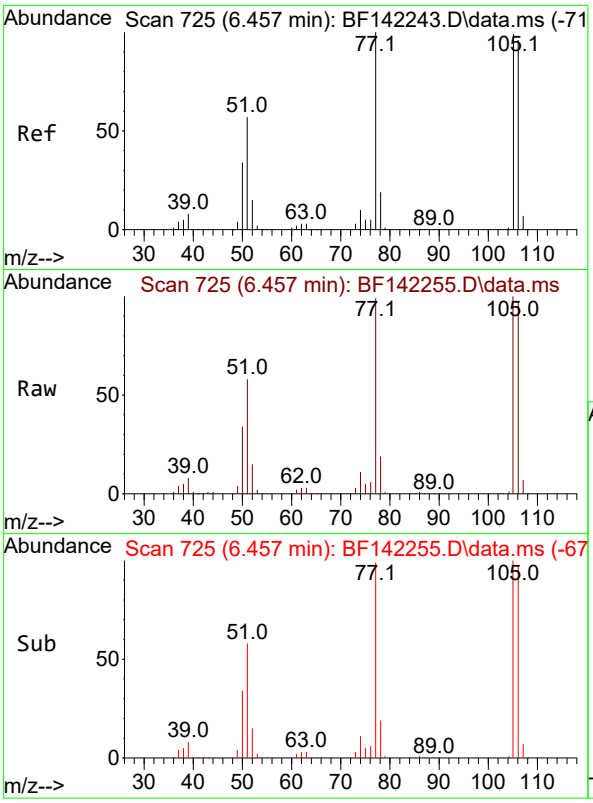


#8
2-Chlorophenol
Concen: 42.661 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:128 Resp: 631635

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.1	53.1
64	47.6	28.6	68.6

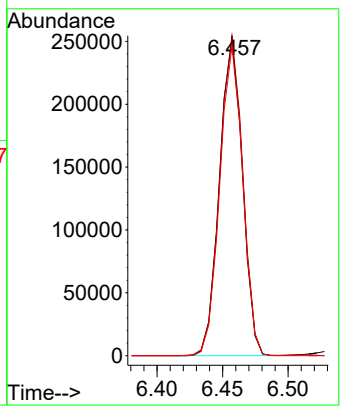




#9
Benzaldehyde
Concen: 25.285 ng
RT: 6.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 77 Resp: 30577

Ion	Ratio	Lower	Upper
77	100		
105	101.1	79.1	119.1
106	97.8	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
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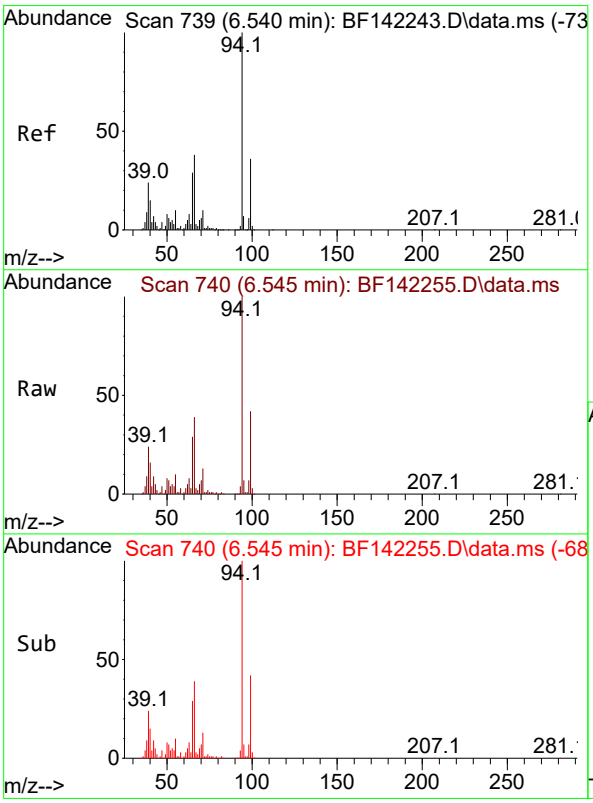
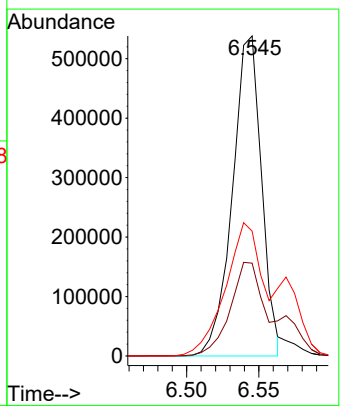
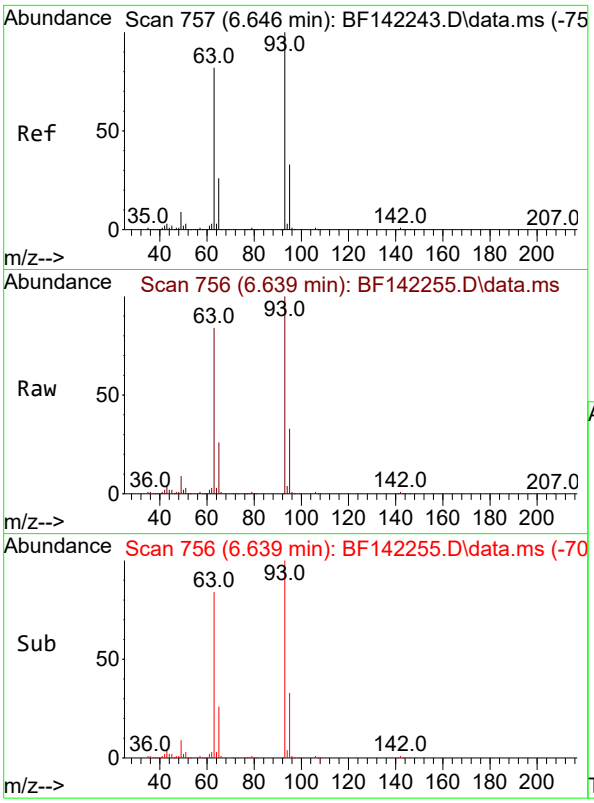


#10
Phenol
Concen: 40.542 ng m
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 94 Resp: 755191

Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.9	48.9
66	39.0	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 40.804 ng
RT: 6.639 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 93 Resp: 58898

Ion	Ratio	Lower	Upper
93	100		
63	83.8	62.2	102.2
95	33.0	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
PB167810BS

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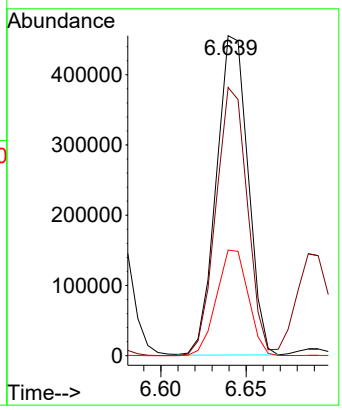
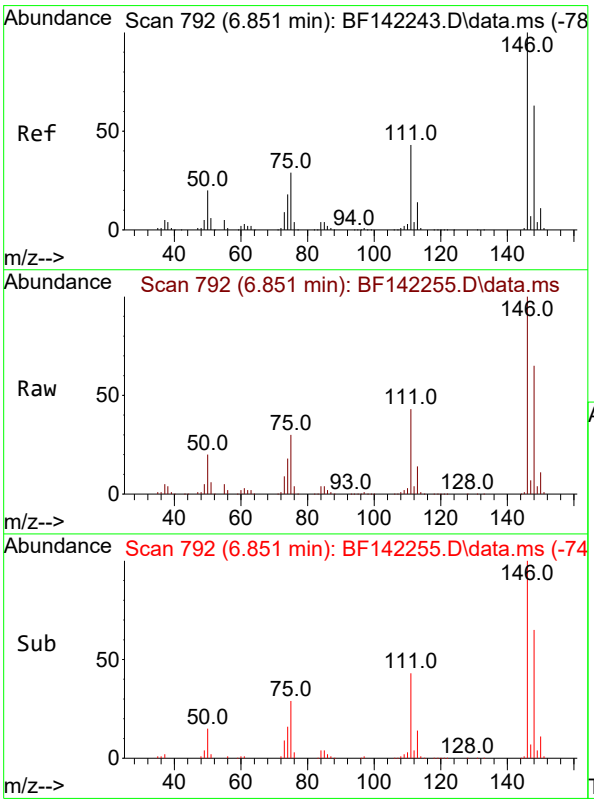
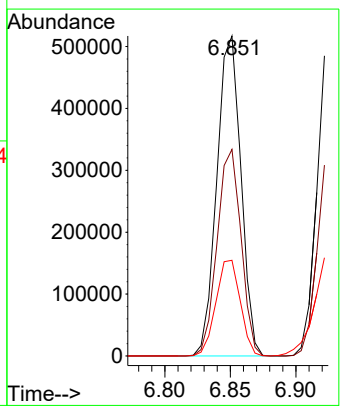


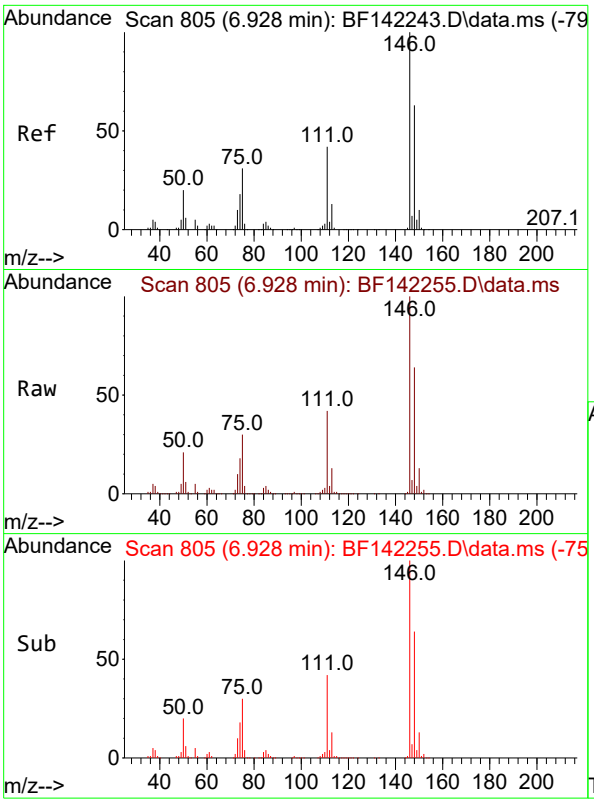


#12
1,3-Dichlorobenzene
Concen: 39.402 ng
RT: 6.851 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:146 Resp: 659968

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.5	75.7
75	29.9	23.2	34.8

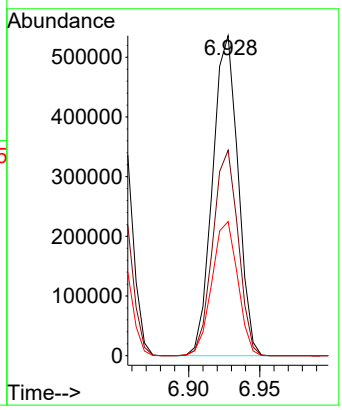




#13
1,4-Dichlorobenzene
Concen: 39.574 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:146 Resp: 66782

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
111	41.9	33.4	50.0



Instrument :
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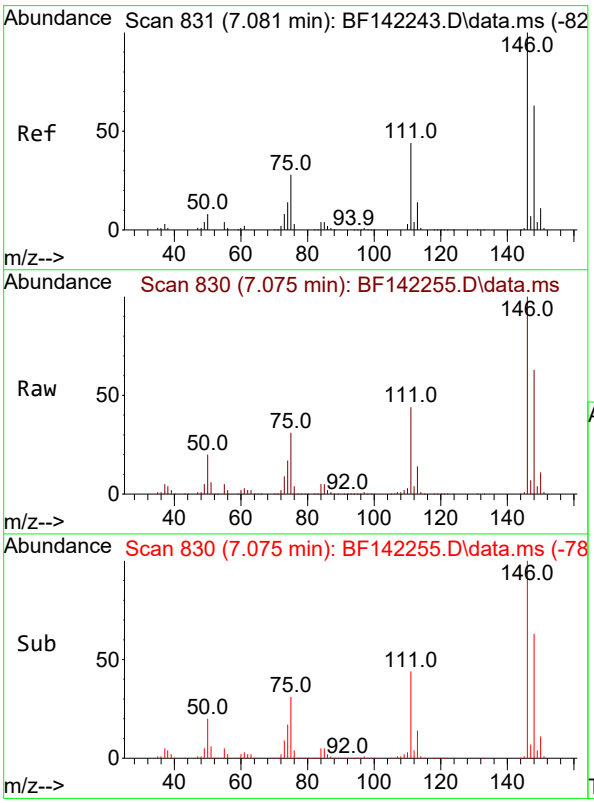
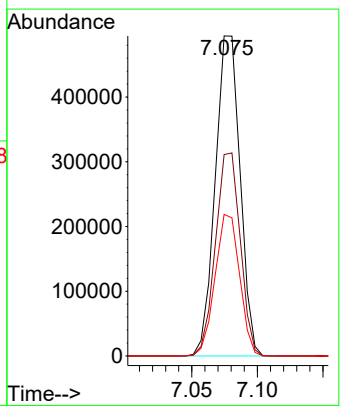
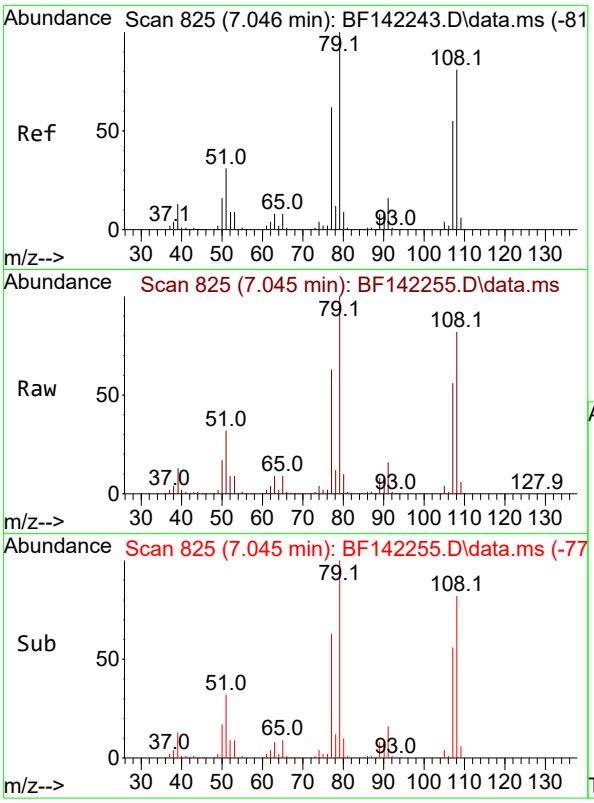


#14
1,2-Dichlorobenzene
Concen: 40.407 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:146 Resp: 650967

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.5	75.7
111	44.3	34.9	52.3





#15
Benzyl Alcohol
Concen: 41.969 ng
RT: 7.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 79 Resp: 51502

Ion	Ratio	Lower	Upper
79	100		
108	81.8	64.5	96.7
77	62.7	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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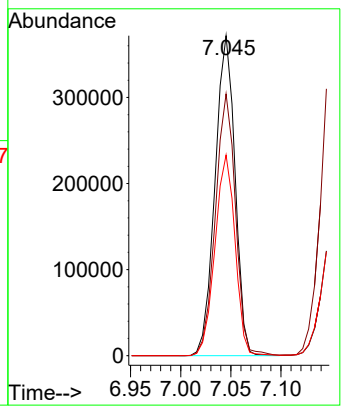
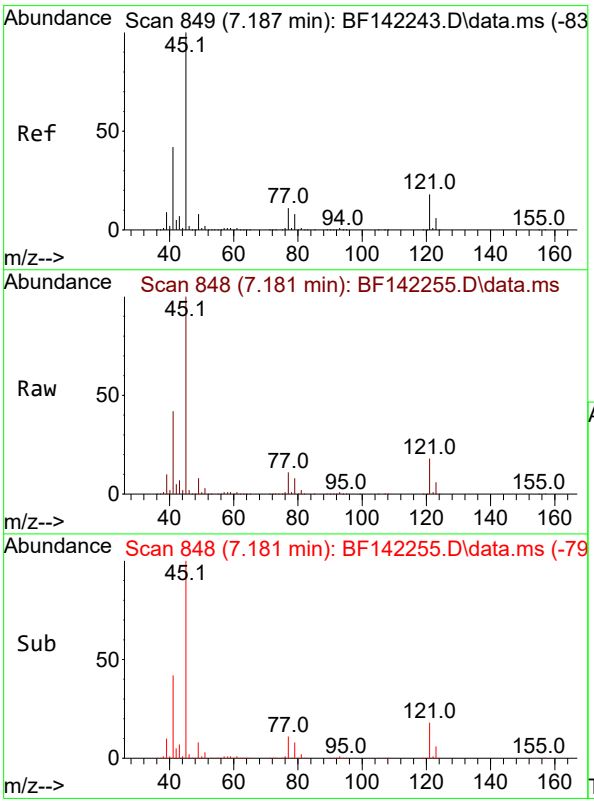
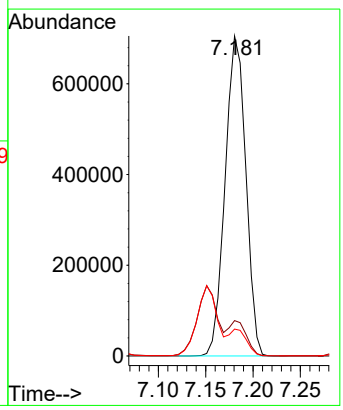


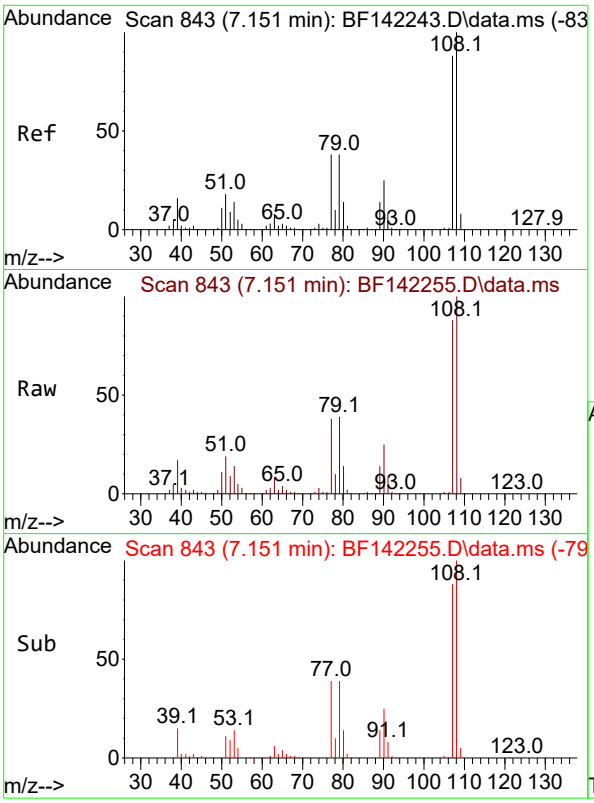


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.135 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 45 Resp: 1072194

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.3
79	8.4	0.0	28.5

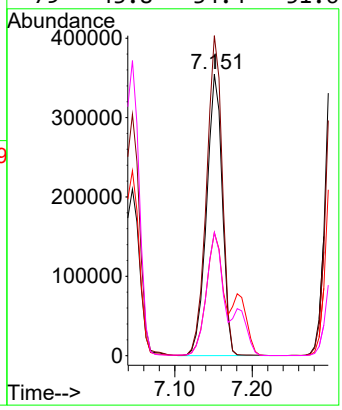




#17
2-Methylphenol
Concen: 41.046 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:107 Resp: 49785

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.7	34.4	51.6
79	43.8	34.4	51.6



Instrument :
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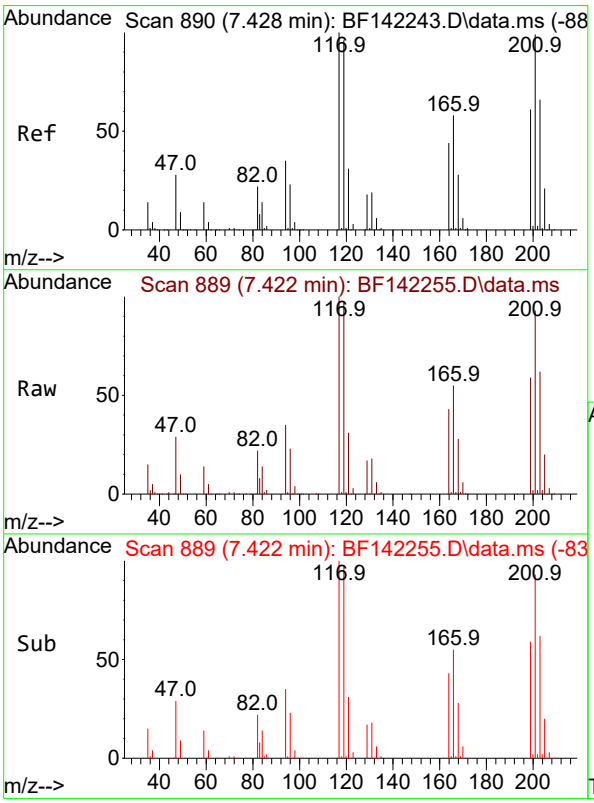
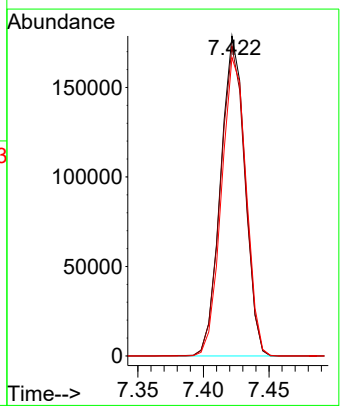
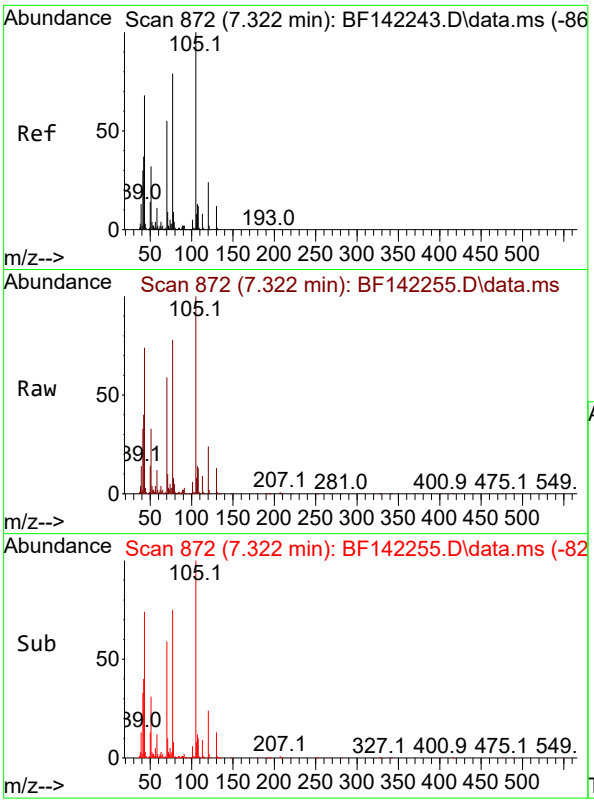


#18
Hexachloroethane
Concen: 41.832 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:117 Resp: 231050

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.1	115.7
201	93.2	79.4	119.2

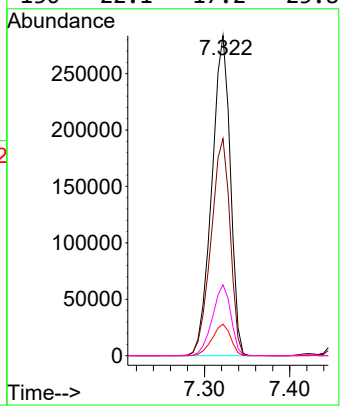




#19
n-Nitroso-di-n-propylamine
Concen: 39.992 ng
RT: 7.322 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 70 Resp: 42759

Ion	Ratio	Lower	Upper
70	100		
42	67.8	53.4	80.2
101	9.9	7.7	11.5
130	22.1	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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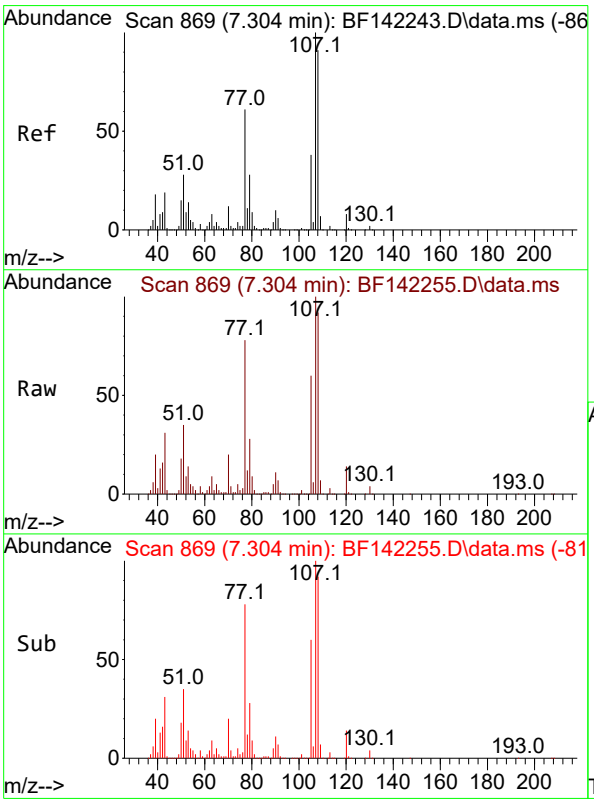
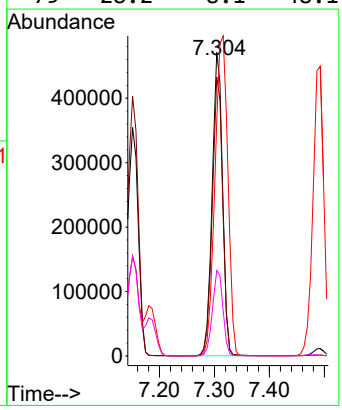
Supervised By :Jagrut Upadhyay 05/02/2025

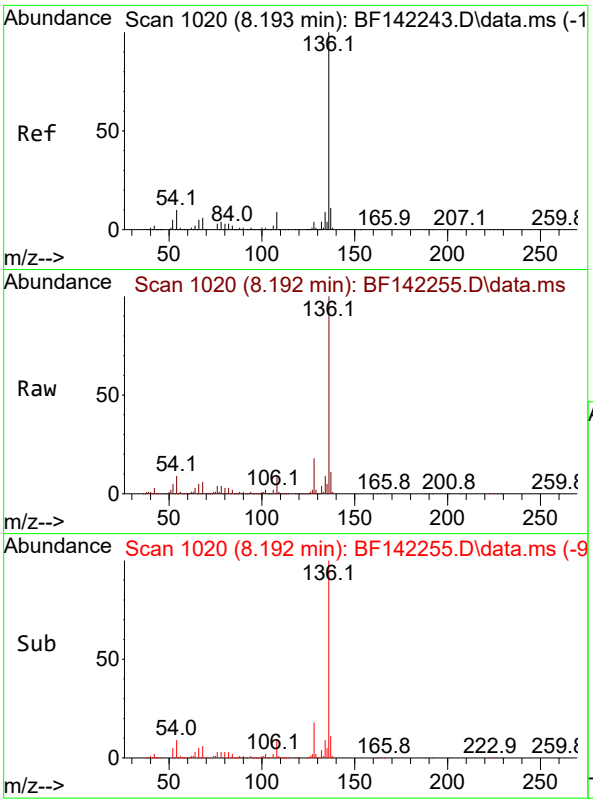


#20
3+4-Methylphenols
Concen: 40.760 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:107 Resp: 618253

Ion	Ratio	Lower	Upper
107	100		
108	91.9	71.2	111.2
77	77.5	41.1	81.1
79	28.2	8.1	48.1

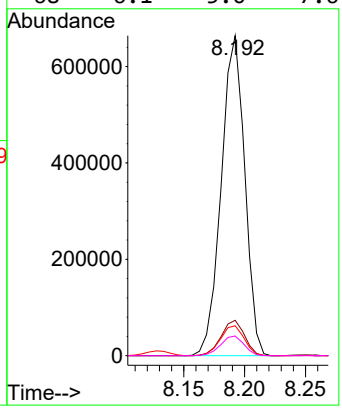




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:136 Resp: 89278

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.4	7.7	11.5
68	6.1	5.0	7.6



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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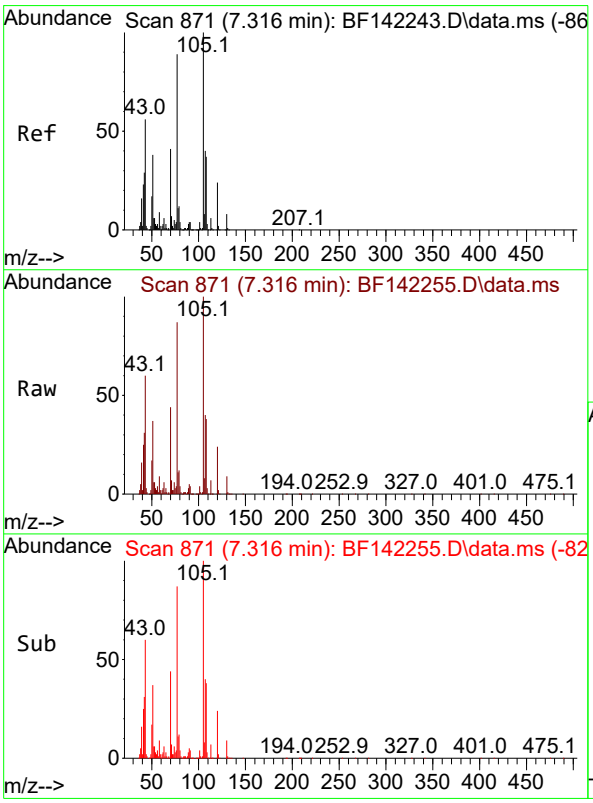
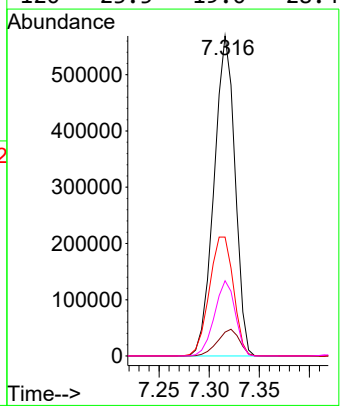
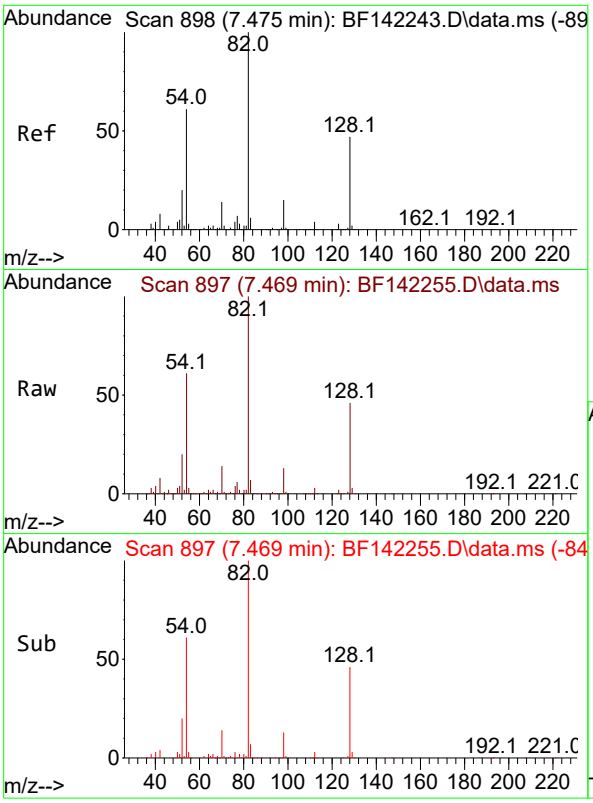


#22
Acetophenone
Concen: 40.025 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:105 Resp: 826671

Ion	Ratio	Lower	Upper
105	100		
71	7.5	5.7	8.5
51	37.2	30.1	45.1
120	23.5	19.0	28.4

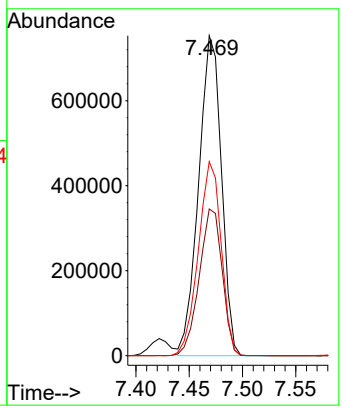




#23
Nitrobenzene-d5
Concen: 82.412 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 82 Resp: 111993

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.6
54	60.7	48.0	72.0



Instrument :
BNA_F
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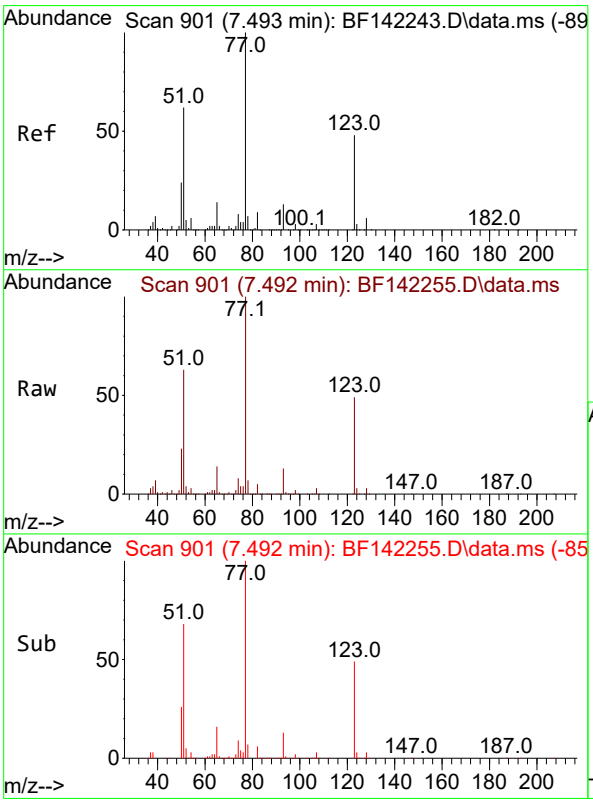
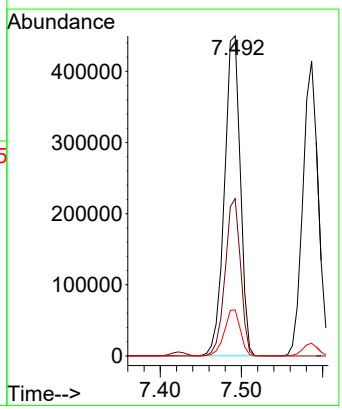
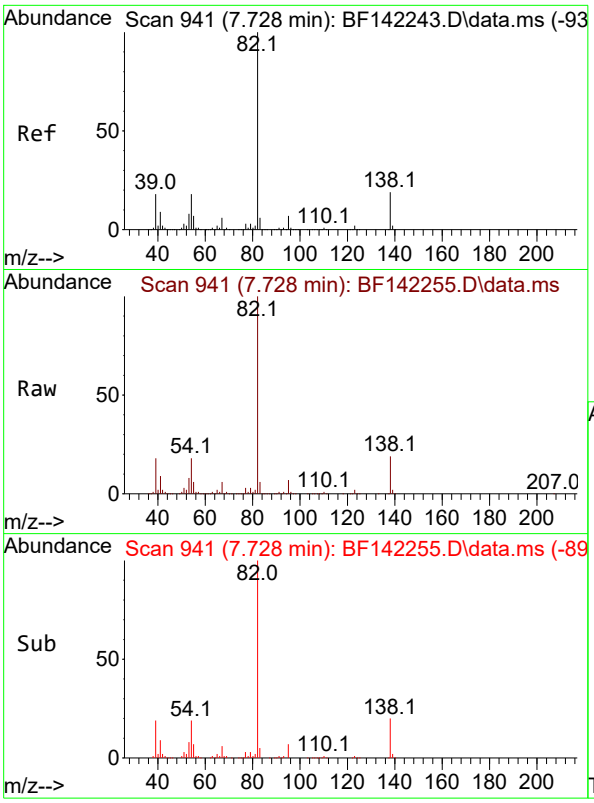


#24
Nitrobenzene
Concen: 45.807 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 77 Resp: 610784

Ion	Ratio	Lower	Upper
77	100		
123	49.2	38.6	58.0
65	14.4	11.5	17.3





#25
Isophorone
Concen: 41.271 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 82 Resp: 117706

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.4	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
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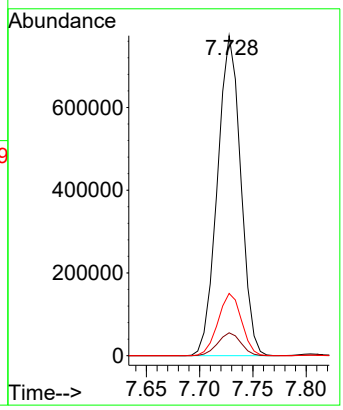
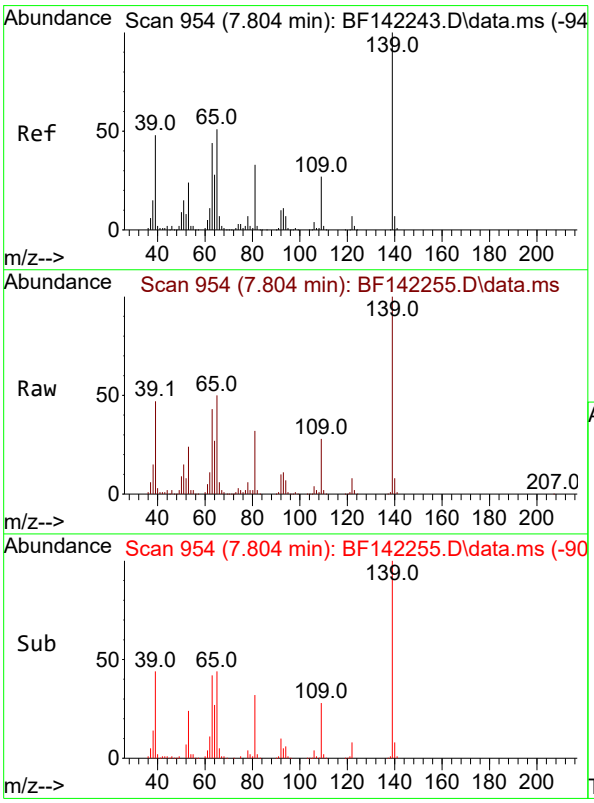
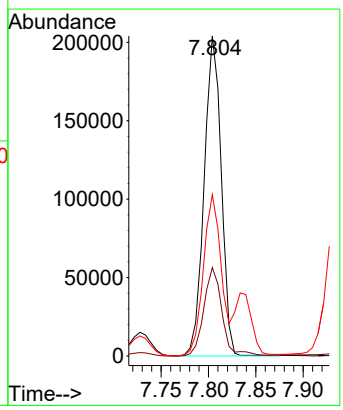


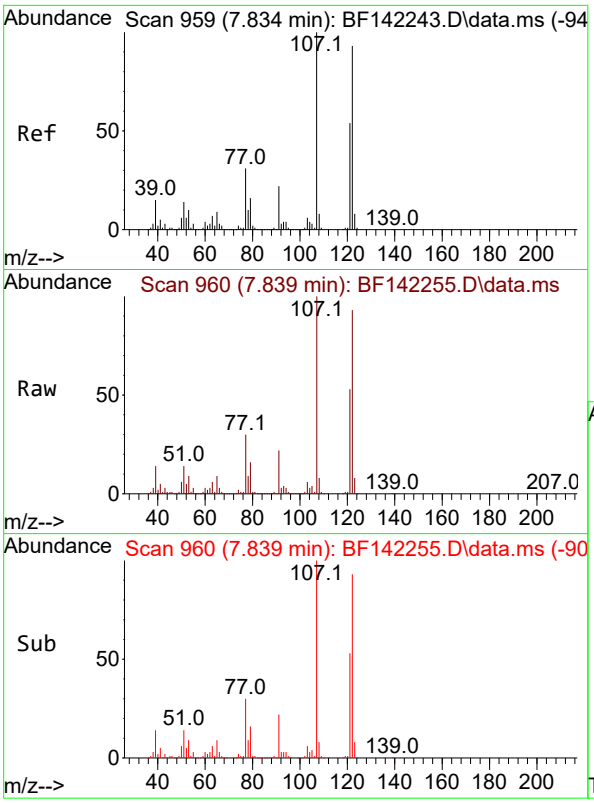


#26
2-Nitrophenol
Concen: 46.237 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:139 Resp: 256947

Ion	Ratio	Lower	Upper
139	100		
109	27.6	21.8	32.8
65	50.4	41.1	61.7





#27
2,4-Dimethylphenol
Concen: 41.886 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:122 Resp: 60230

Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.0	129.0
121	57.3	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
PB167810BS

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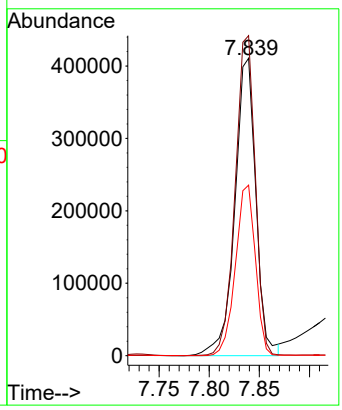
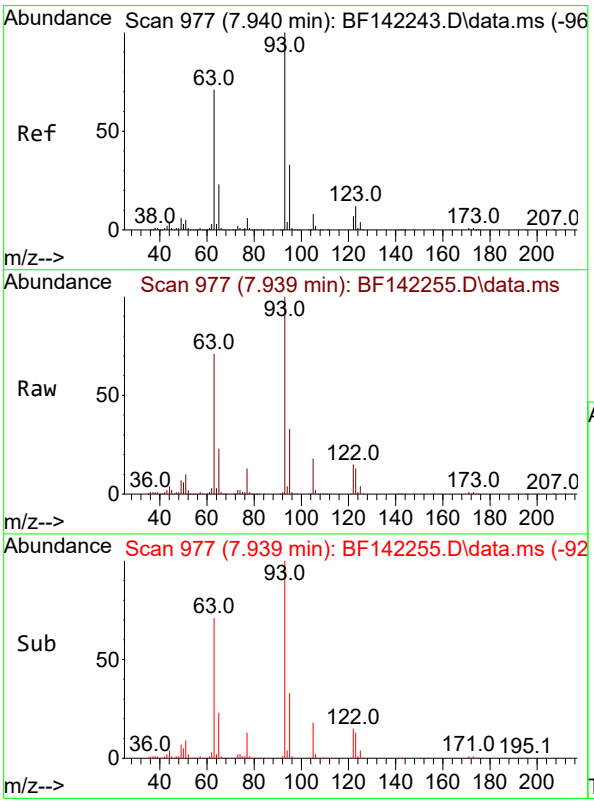
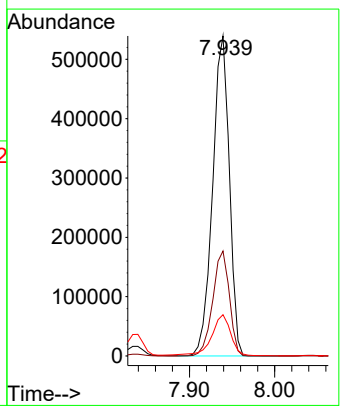


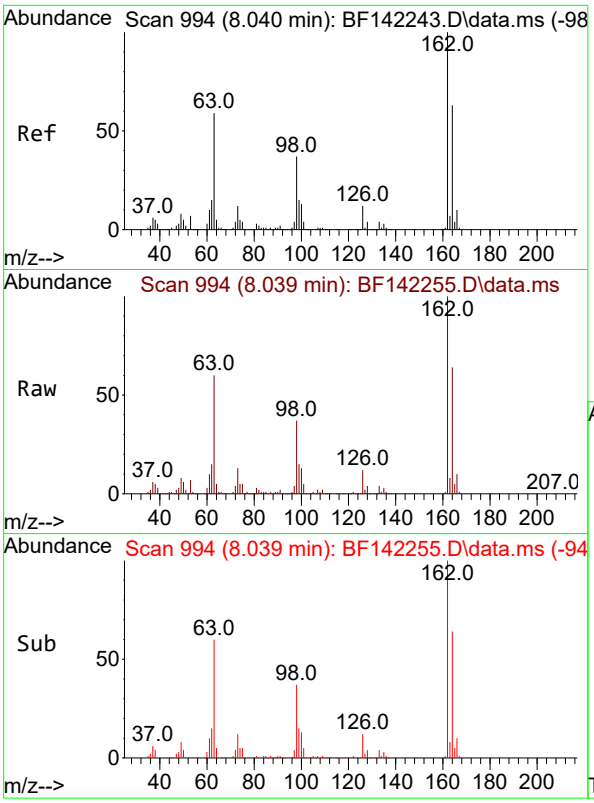


#28
bis(2-Chloroethoxy)methane
Concen: 40.821 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 93 Resp: 734241

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	12.9	9.7	14.5

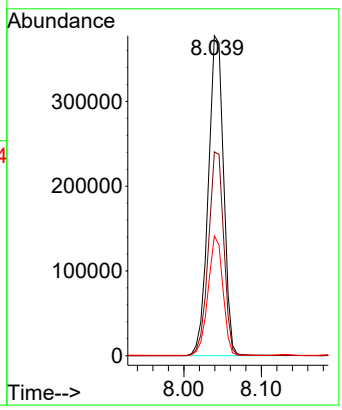




#29
2,4-Dichlorophenol
Concen: 43.143 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:162 Resp: 51866

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.0	83.0
98	37.4	16.7	56.7



Instrument :
BNA_F
ClientSampleId :
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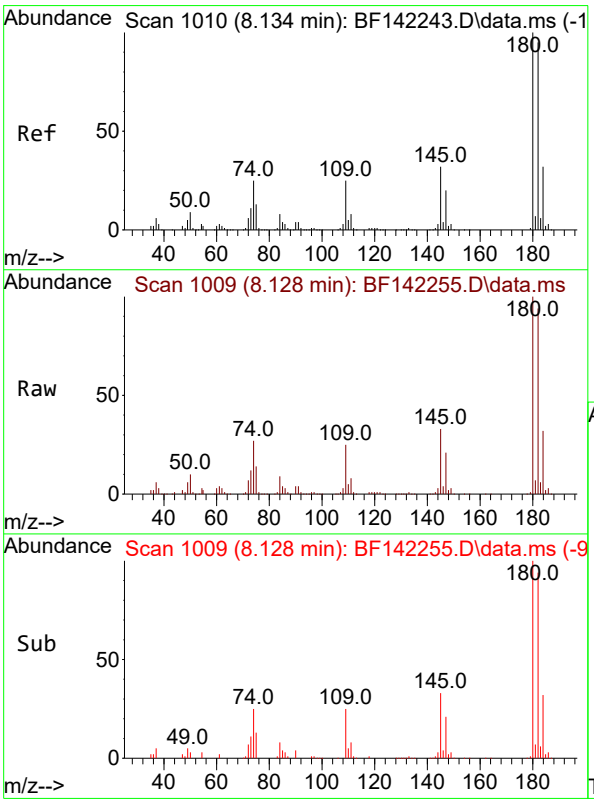
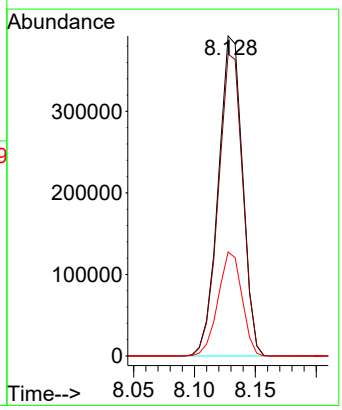
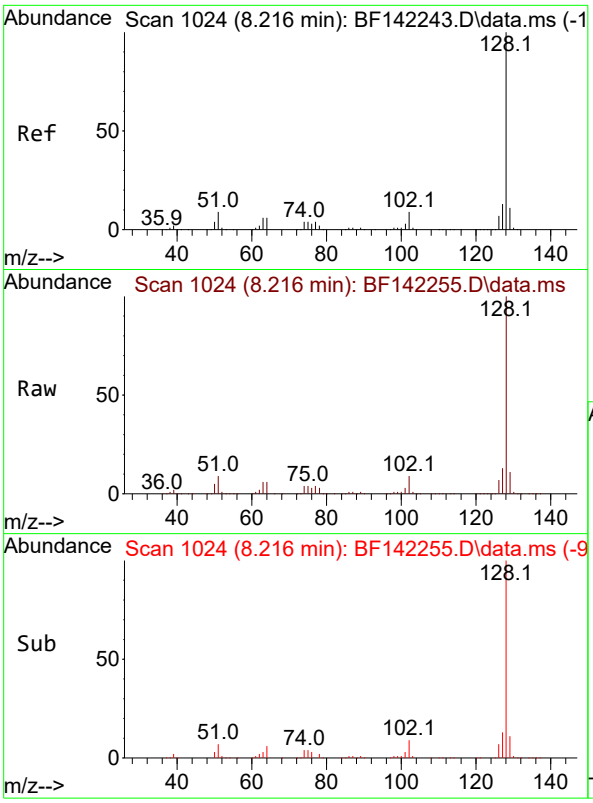


#30
1,2,4-Trichlorobenzene
Concen: 40.565 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:180 Resp: 544203

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.7	113.5
145	32.5	25.4	38.0





#31
Naphthalene
Concen: 39.733 ng
RT: 8.216 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:128 Resp: 176906

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.2	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
PB167810BS

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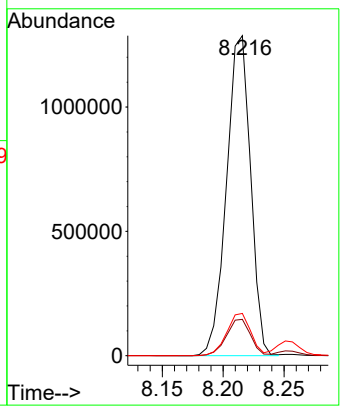
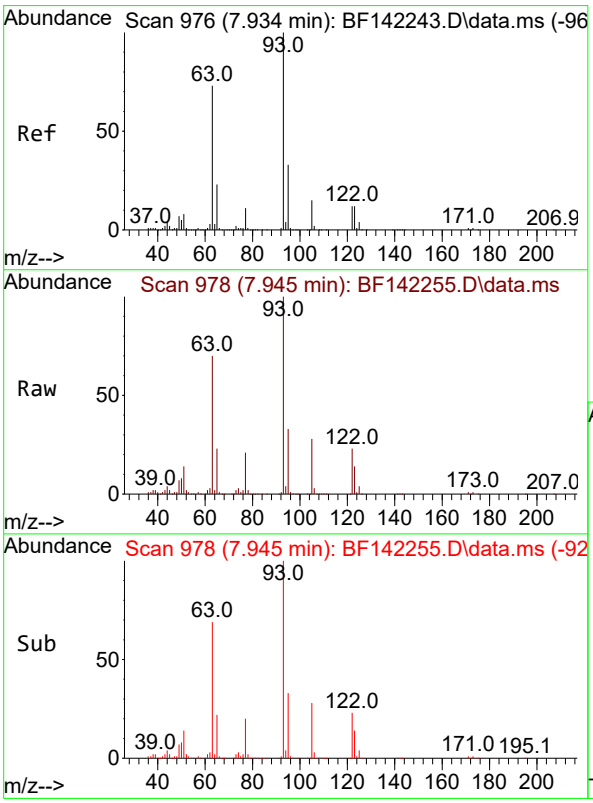
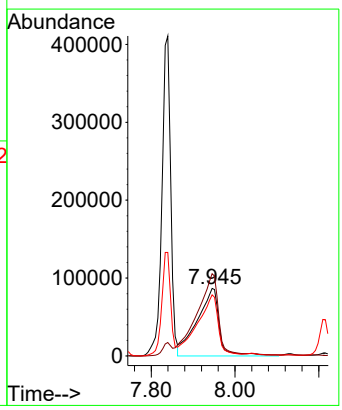


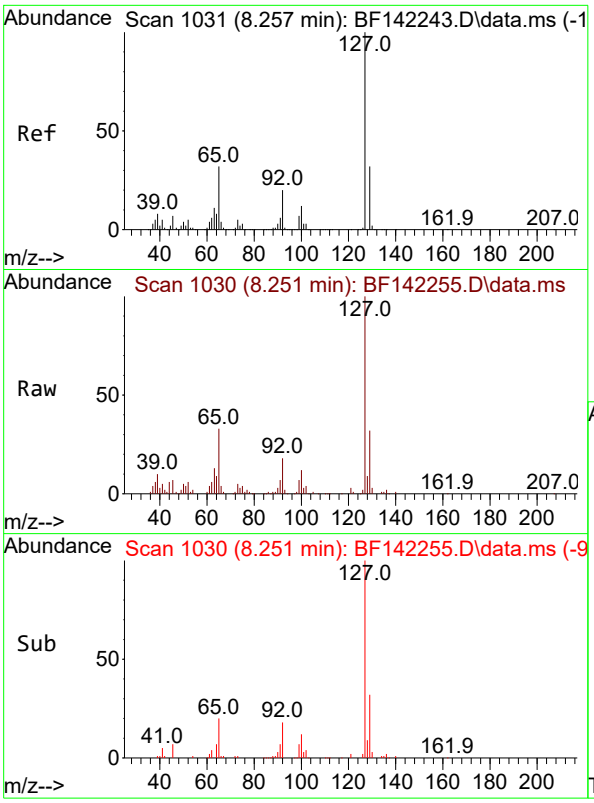


#32
Benzoic acid
Concen: 47.181 ng m
RT: 7.945 min Scan# 978
Delta R.T. 0.011 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:122 Resp: 321202

Ion	Ratio	Lower	Upper
122	100		
105	121.8	98.2	138.2
77	90.5	66.8	106.8

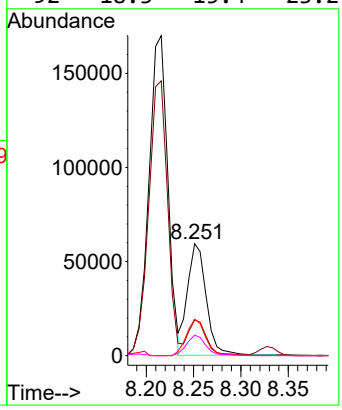




#33
4-Chloroaniline
Concen: 4.431 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:127 Resp: 8215

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	32.6	25.5	38.3
92	18.3	15.4	23.2



Instrument :
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ClientSampleId :
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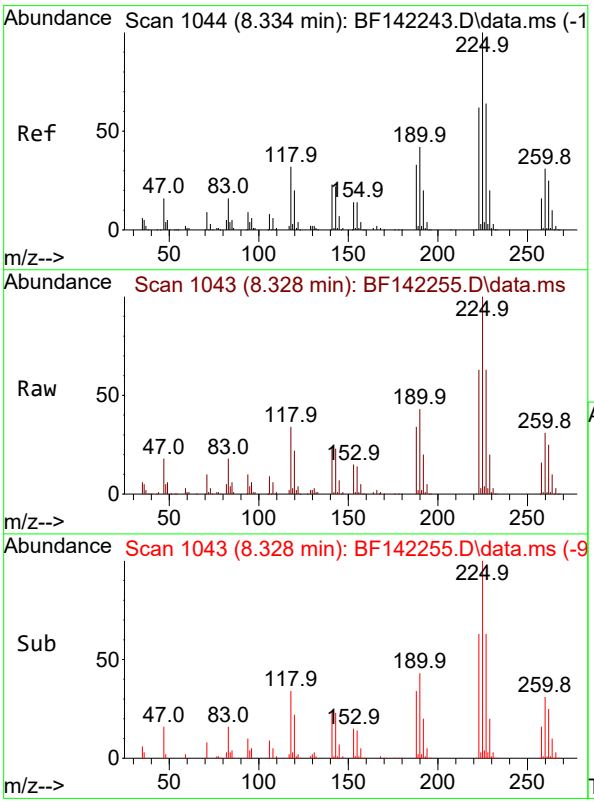
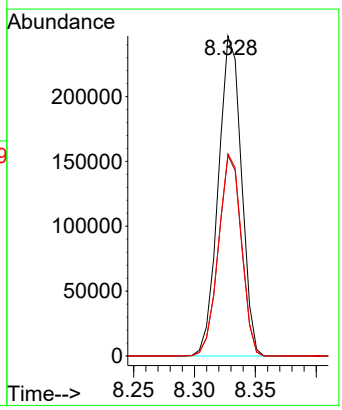
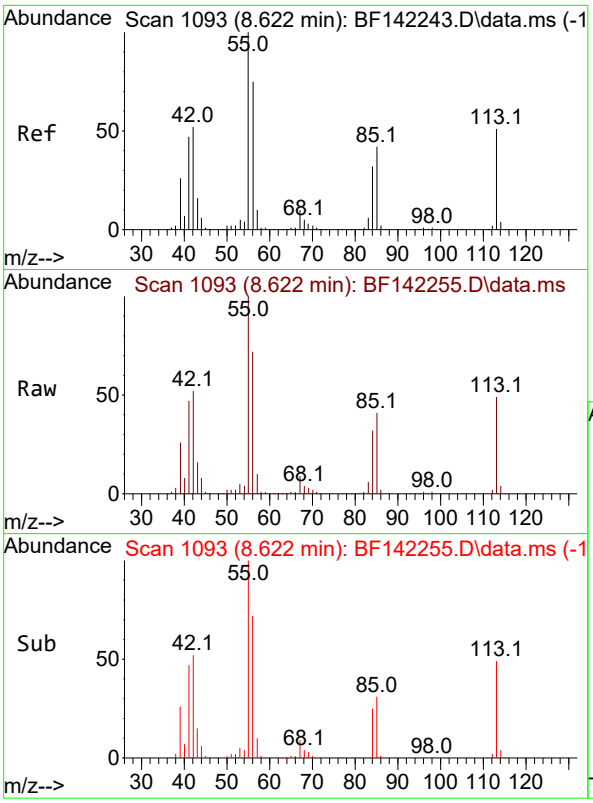


#34
Hexachlorobutadiene
Concen: 41.492 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:225 Resp: 324756

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.7	74.5
227	63.2	51.0	76.4

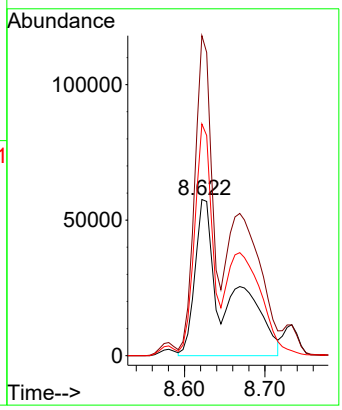




#35
Caprolactam
Concen: 45.287 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:113 Resp: 16364

Ion	Ratio	Lower	Upper
113	100		
55	204.8	177.7	217.7
56	148.3	127.1	167.1



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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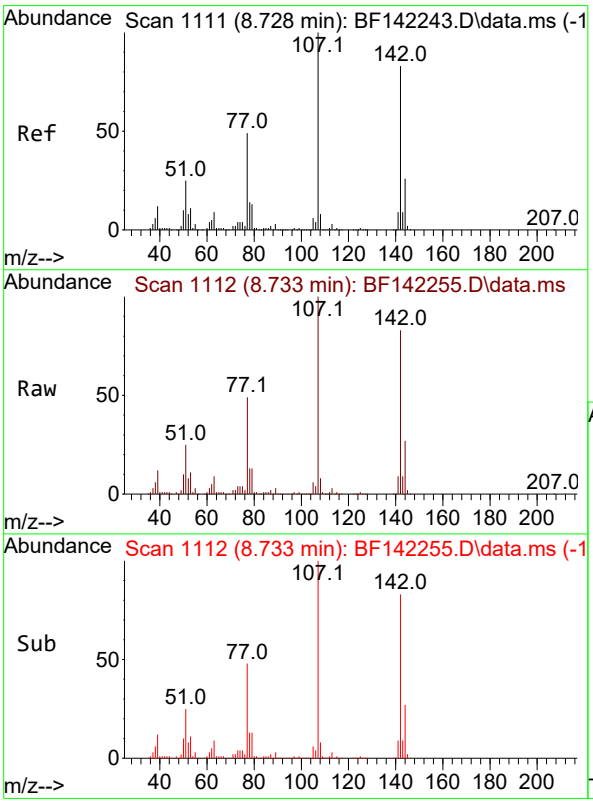
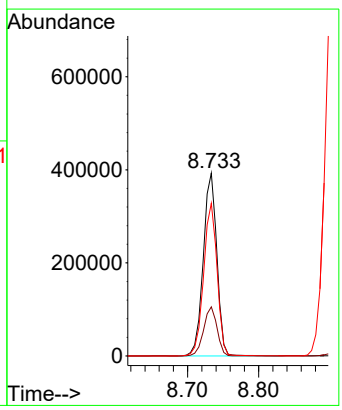
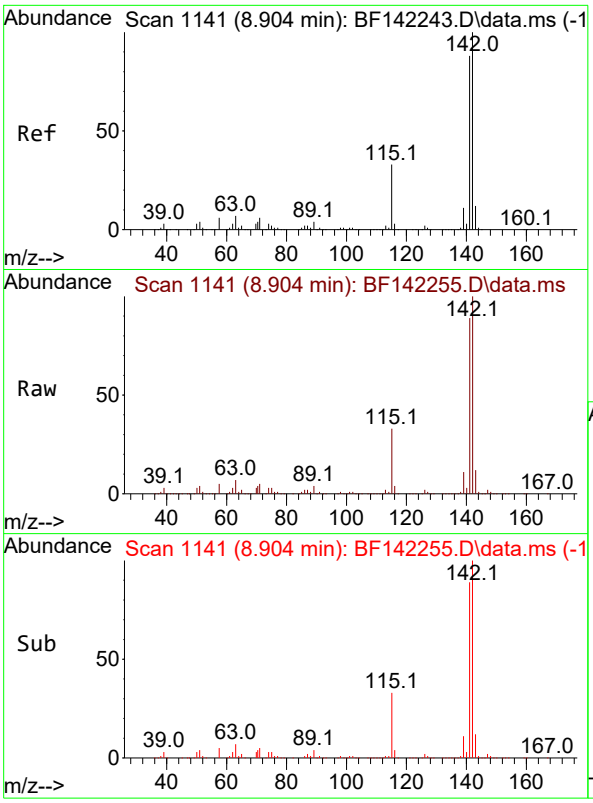


#36
4-Chloro-3-methylphenol
Concen: 42.406 ng
RT: 8.733 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:107 Resp: 523494

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.0	31.4
142	83.5	66.1	99.1

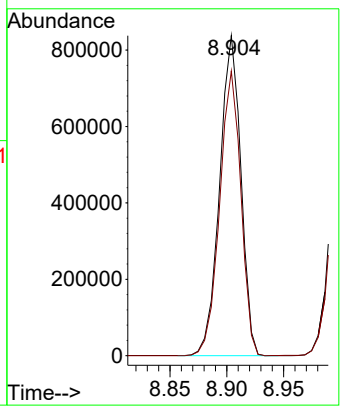




#37
2-Methylnaphthalene
Concen: 39.822 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:142 Resp: 109009

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.5	105.7



Instrument :
BNA_F
ClientSampleId :
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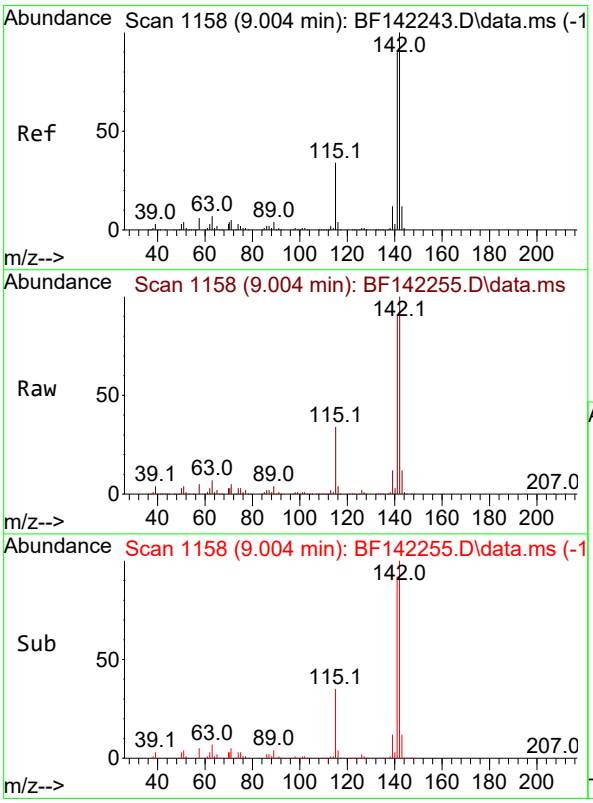
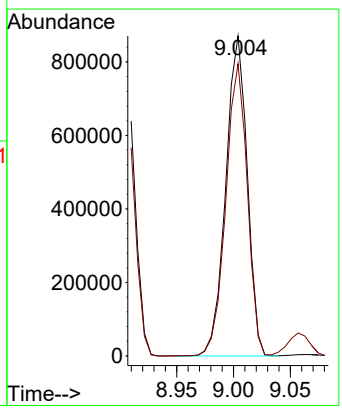
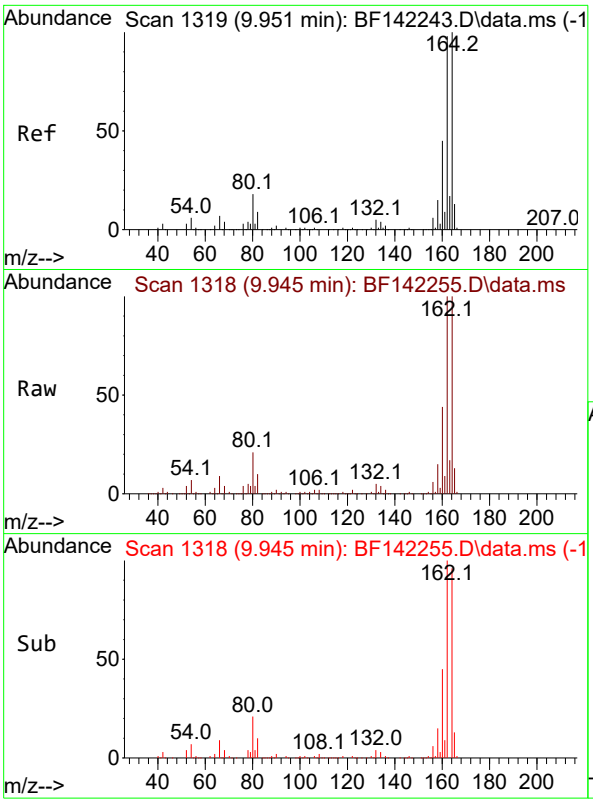


#38
1-Methylnaphthalene
Concen: 40.333 ng
RT: 9.004 min Scan# 1158
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:142 Resp: 1143793

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.8	109.2

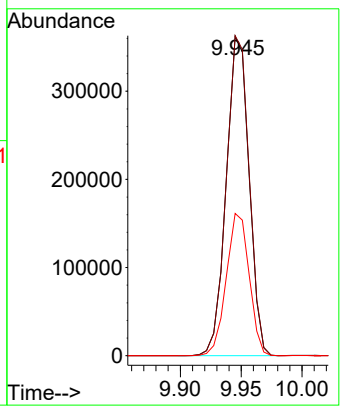




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:164 Resp: 47228

Ion	Ratio	Lower	Upper
164	100		
162	100.2	78.6	117.8
160	44.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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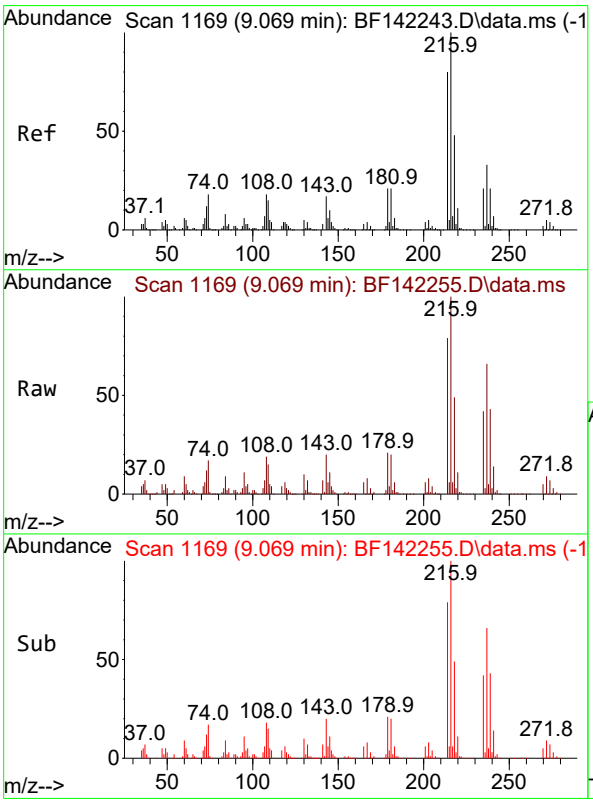
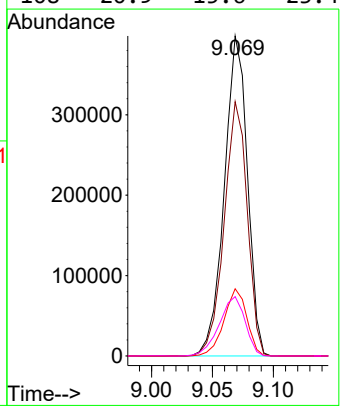
Supervised By :Jagrut Upadhyay 05/02/2025

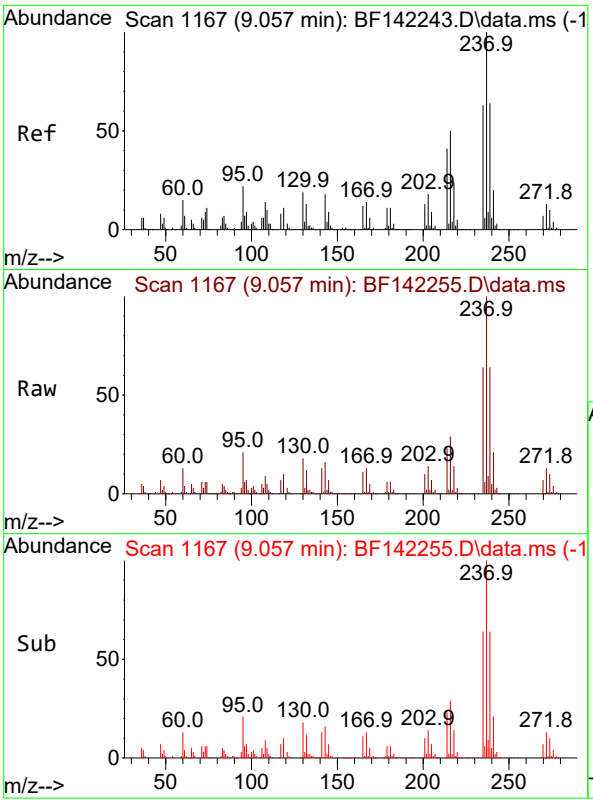


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.471 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:216 Resp: 524634

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.6
179	20.8	16.7	25.1
108	20.9	15.6	23.4

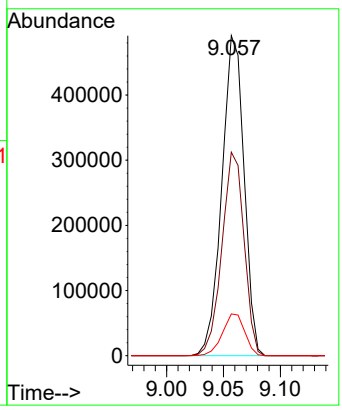




#41
Hexachlorocyclopentadiene
Concen: 88.607 ng
RT: 9.057 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:237 Resp: 66841

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.5	83.5
272	13.1	0.0	32.9



Instrument :
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ClientSampleId :
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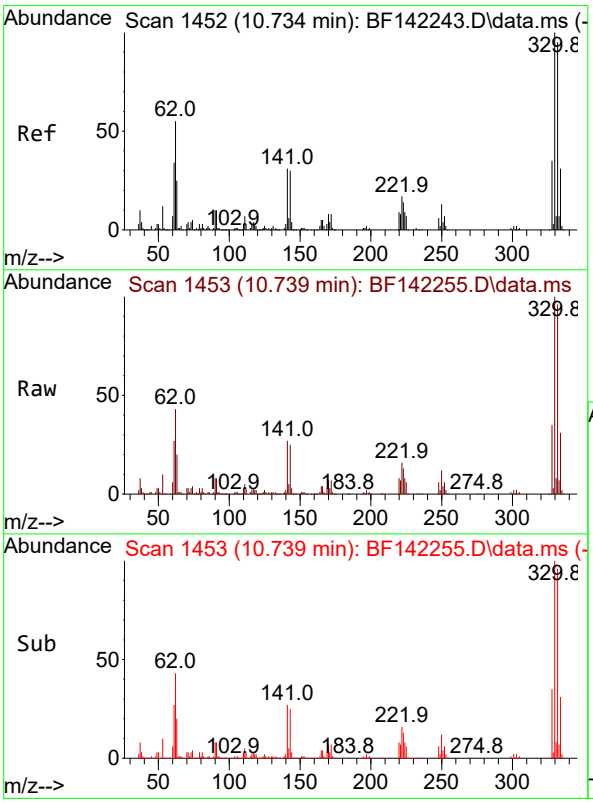
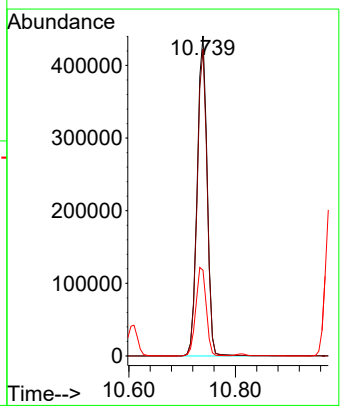
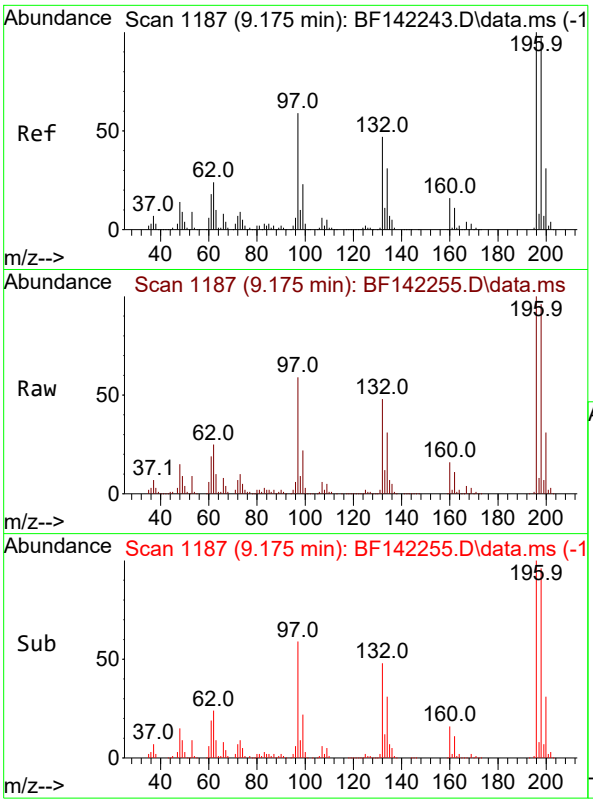


#42
2,4,6-Tribromophenol
Concen: 132.029 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:330 Resp: 568456

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.5	114.7
141	29.1	24.3	36.5

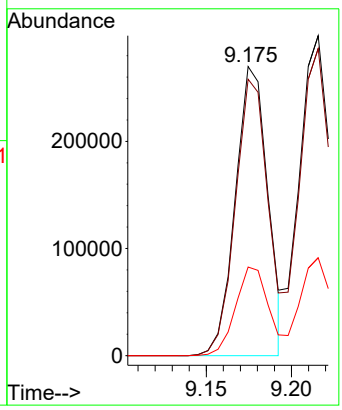




#43
2,4,6-Trichlorophenol
Concen: 43.423 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:196 Resp: 35765

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.4	116.2
200	30.7	24.6	37.0



Instrument :
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ClientSampleId :
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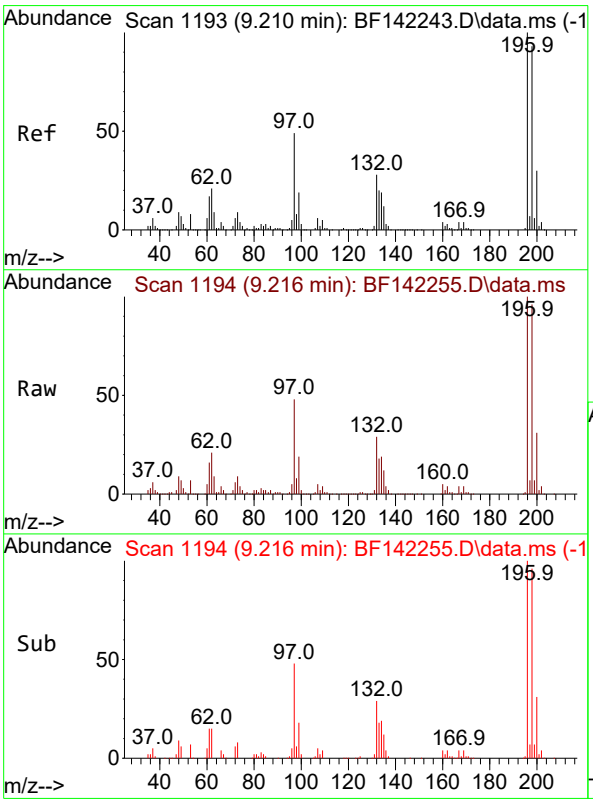
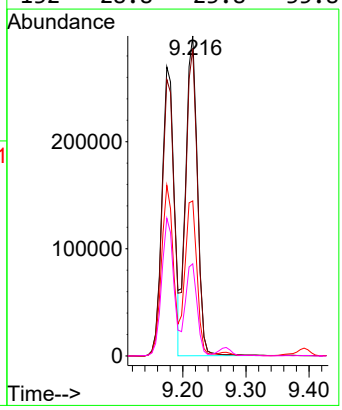
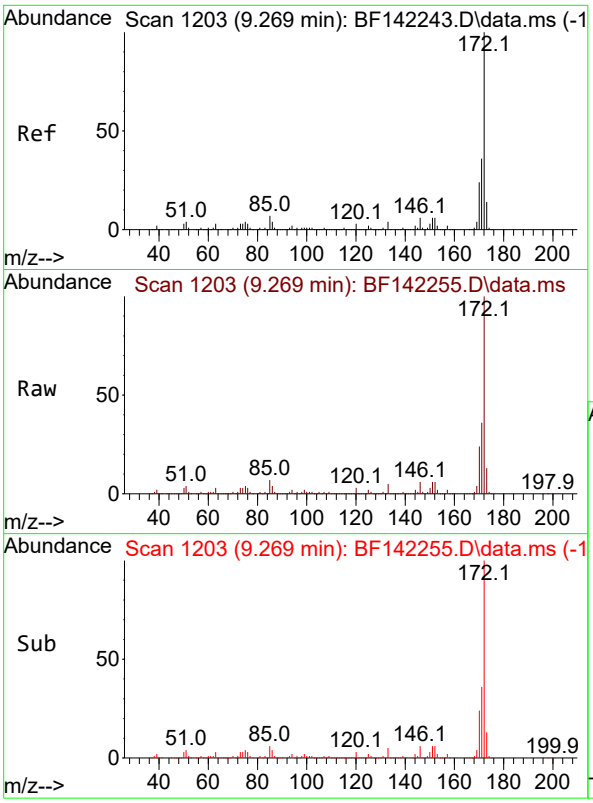


#44
2,4,5-Trichlorophenol
Concen: 44.872 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:196 Resp: 388570

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.2	112.8
97	48.5	39.8	59.8
132	28.8	23.8	35.8

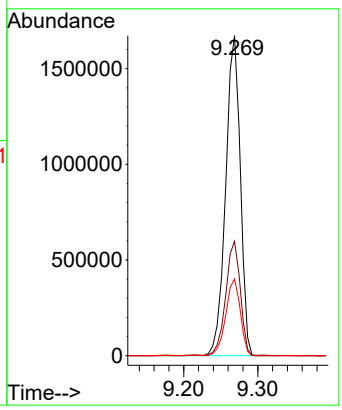




#45
2-Fluorobiphenyl
Concen: 68.501 ng
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:172 Resp: 229451

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.0	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
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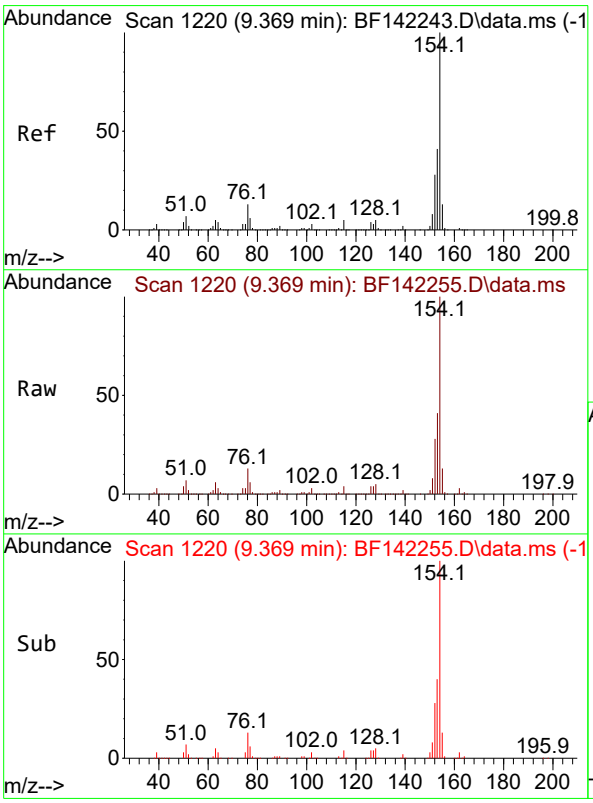
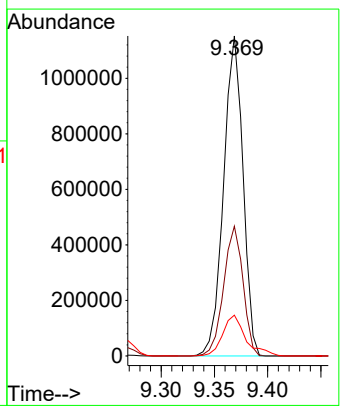
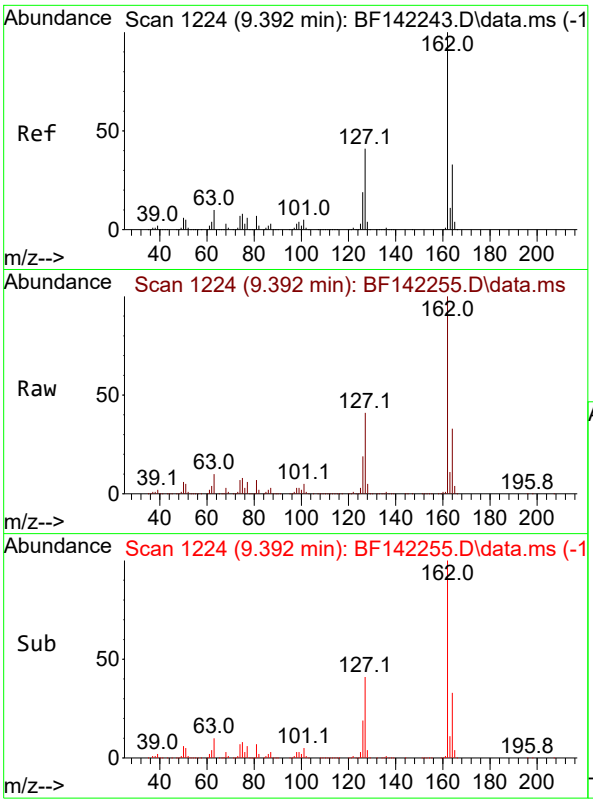


#46
1,1'-Biphenyl
Concen: 39.713 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:154 Resp: 1458088

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	12.8	0.0	32.8

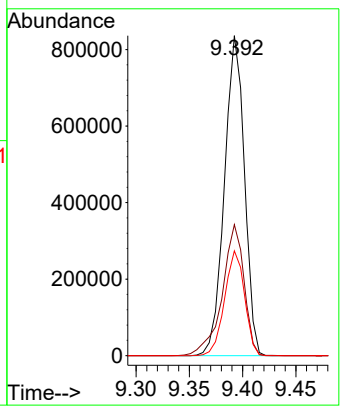




#47
2-Chloronaphthalene
Concen: 40.017 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:162 Resp: 109313

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.6	49.0
164	32.7	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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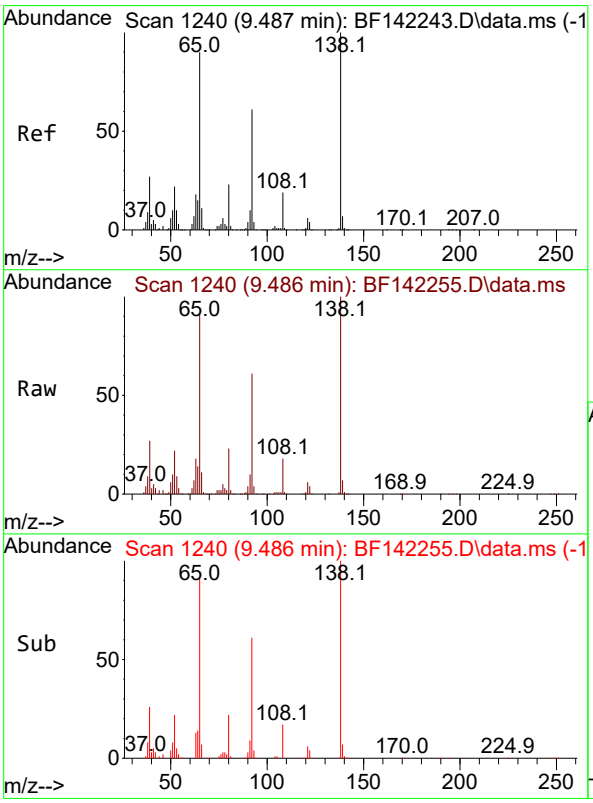
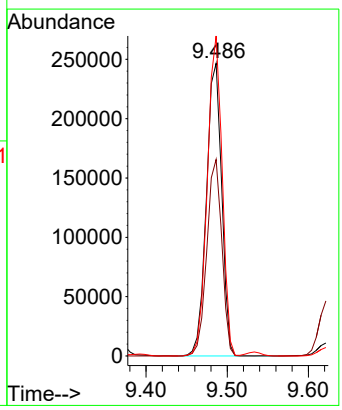
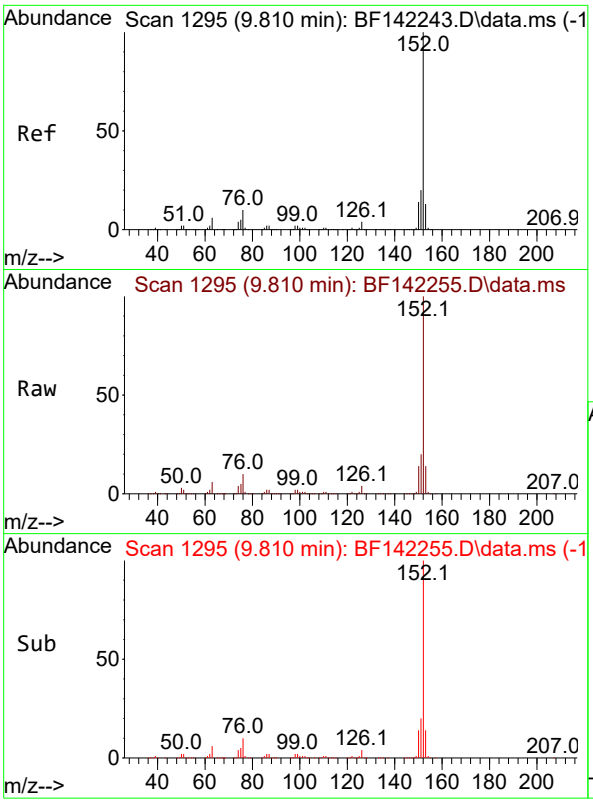


#48
2-Nitroaniline
Concen: 44.957 ng
RT: 9.486 min Scan# 1240
Delta R.T. -0.001 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion: 65 Resp: 321433

Ion	Ratio	Lower	Upper
65	100		
92	67.2	54.3	81.5
138	109.3	88.6	133.0

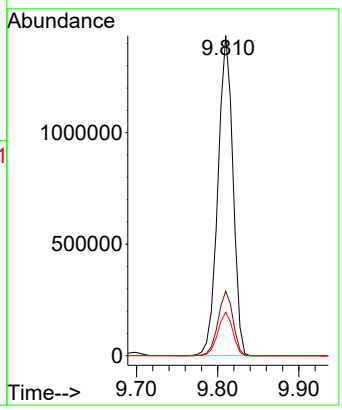




#49
Acenaphthylene
Concen: 40.085 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:152 Resp: 184775

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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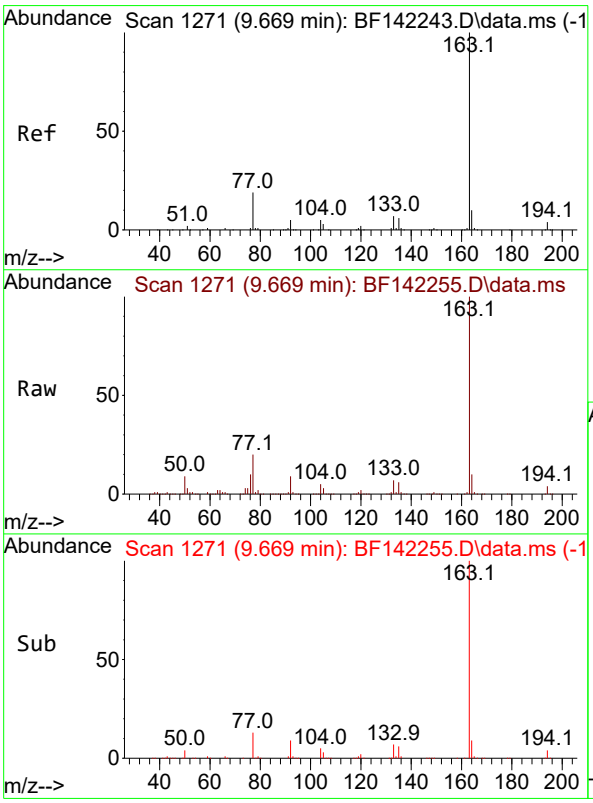
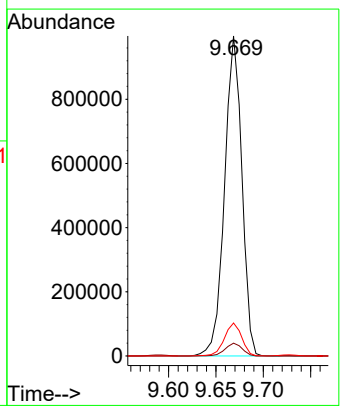
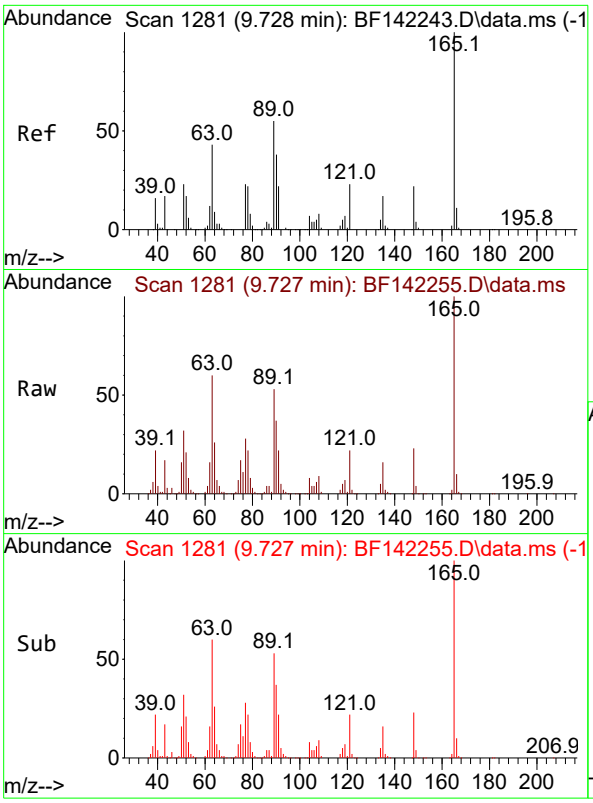


#50
Dimethylphthalate
Concen: 41.981 ng
RT: 9.669 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:163 Resp: 1268421

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 45.692 ng
RT: 9.727 min Scan# 1
Delta R.T. -0.001 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:165 Resp: 26356

Ion	Ratio	Lower	Upper
165	100		
63	59.7	48.5	72.7
89	53.2	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
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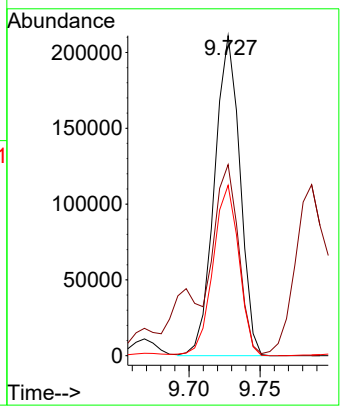
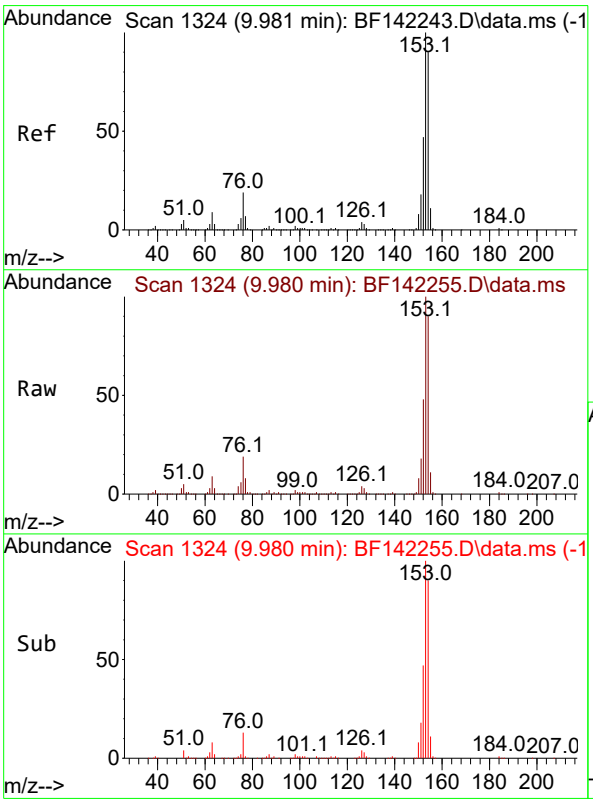
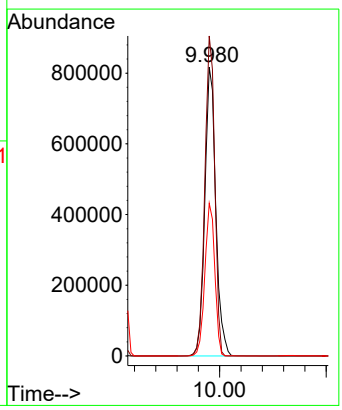


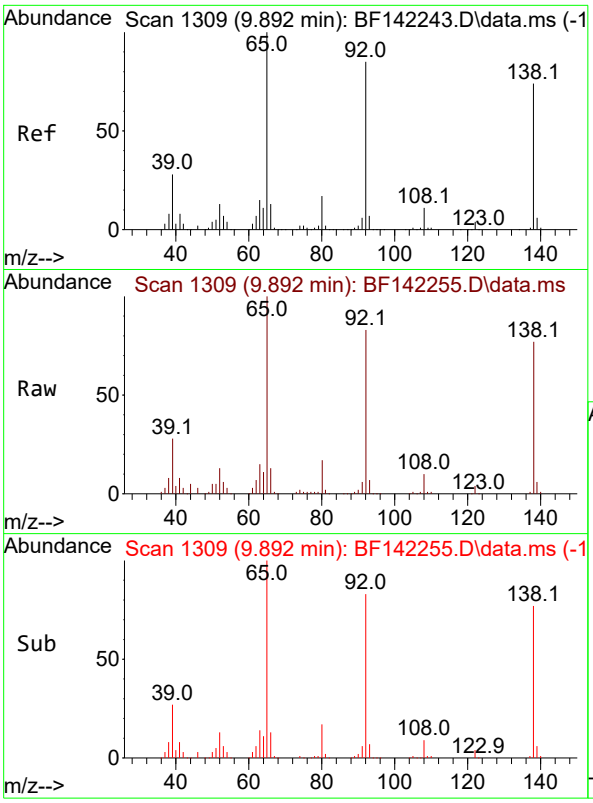


#52
Acenaphthene
Concen: 43.261 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:154 Resp: 1164359

Ion	Ratio	Lower	Upper
154	100		
153	110.8	88.6	133.0
152	52.8	42.1	63.1





#53
3-Nitroaniline
Concen: 16.287 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:138 Resp: 9891

Ion	Ratio	Lower	Upper
138	100		
108	12.4	11.7	17.5
92	108.3	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
PB167810BS

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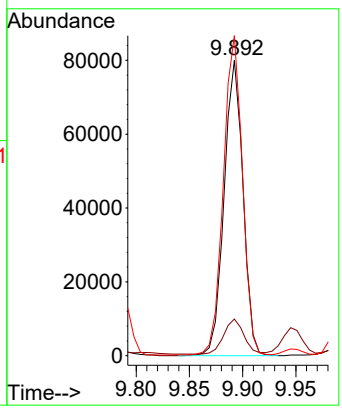
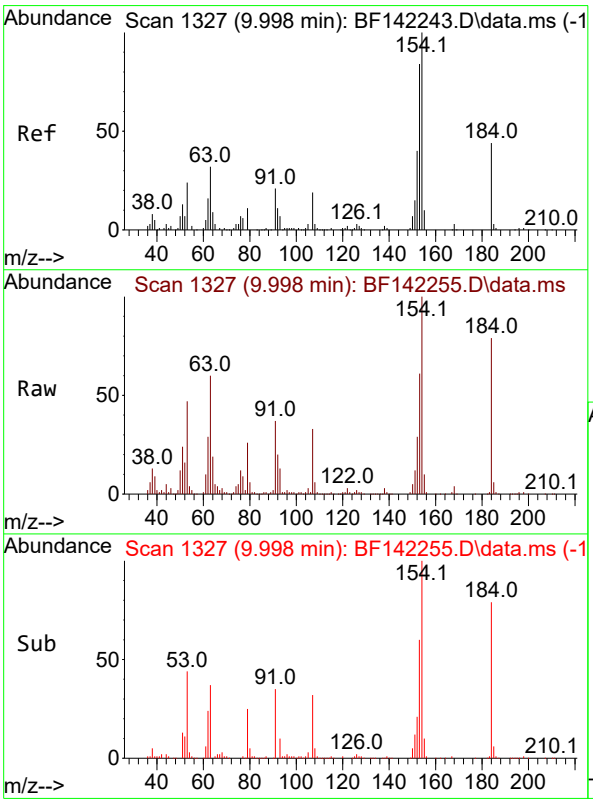
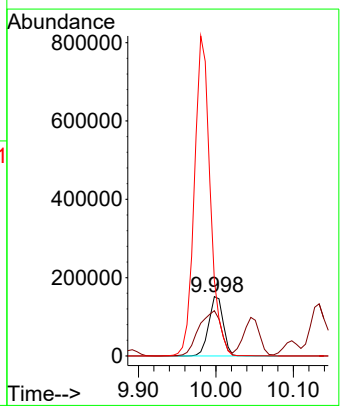


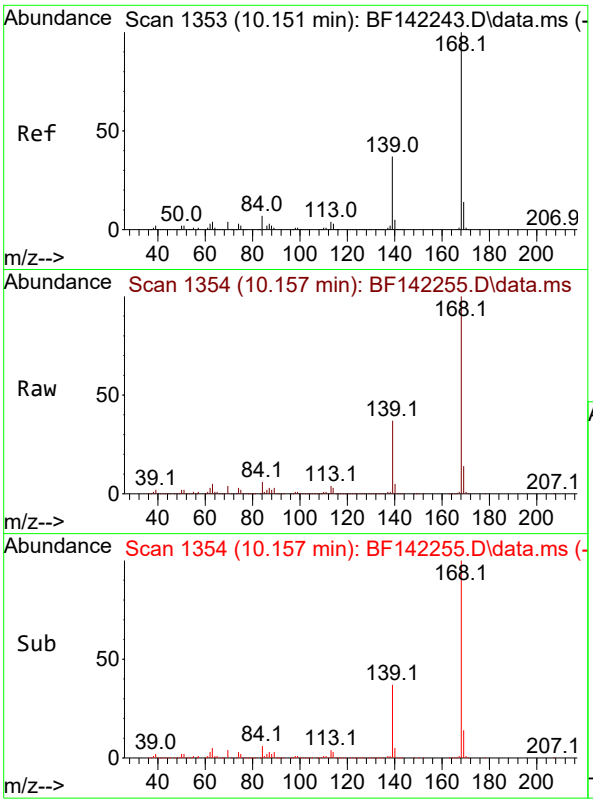


#54
2,4-Dinitrophenol
Concen: 90.602 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:184 Resp: 196654

Ion	Ratio	Lower	Upper
184	100		
63	76.2	69.2	103.8
154	127.3	271.4	407.2#

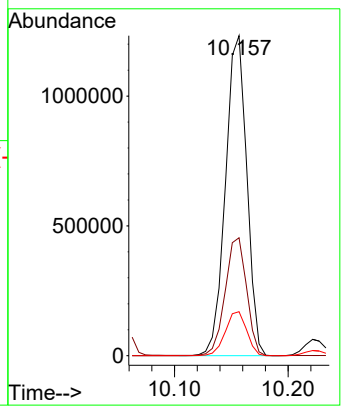




#55
Dibenzofuran
Concen: 39.818 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:168 Resp: 160650

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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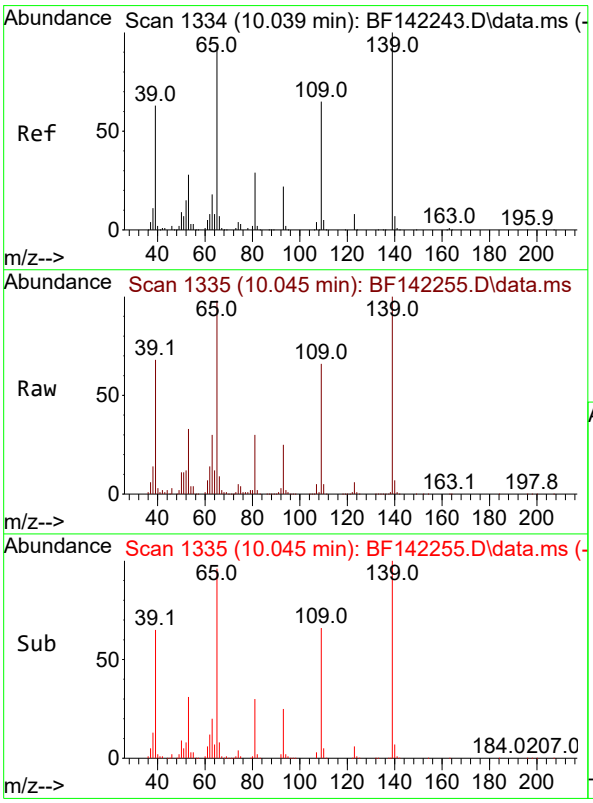
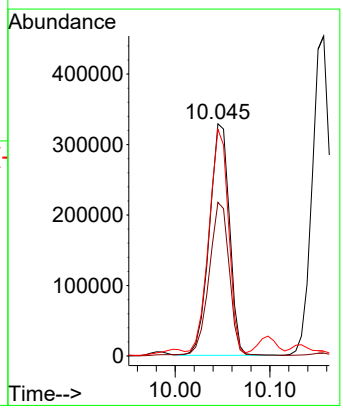
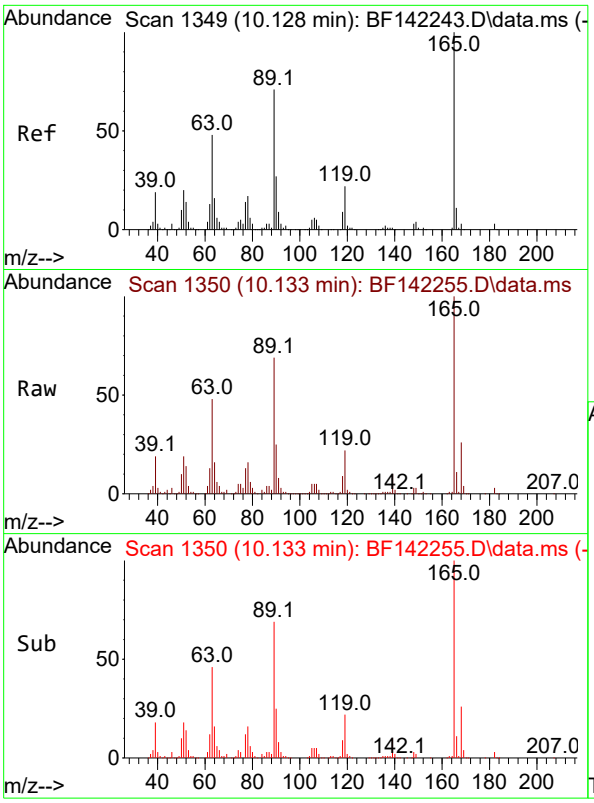


#56
4-Nitrophenol
Concen: 101.975 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:139 Resp: 484293

Ion	Ratio	Lower	Upper
139	100		
109	66.2	44.9	84.9
65	97.6	74.7	114.7

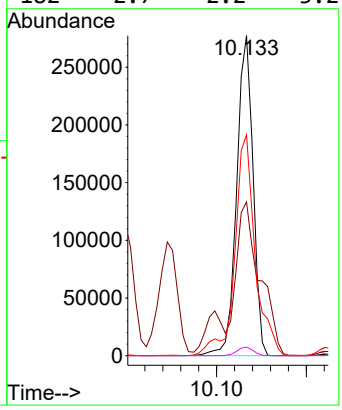




#57
2,4-Dinitrotoluene
Concen: 49.818 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:165 Resp: 35098

Ion	Ratio	Lower	Upper
165	100		
63	48.1	38.8	58.2
89	69.0	57.1	85.7
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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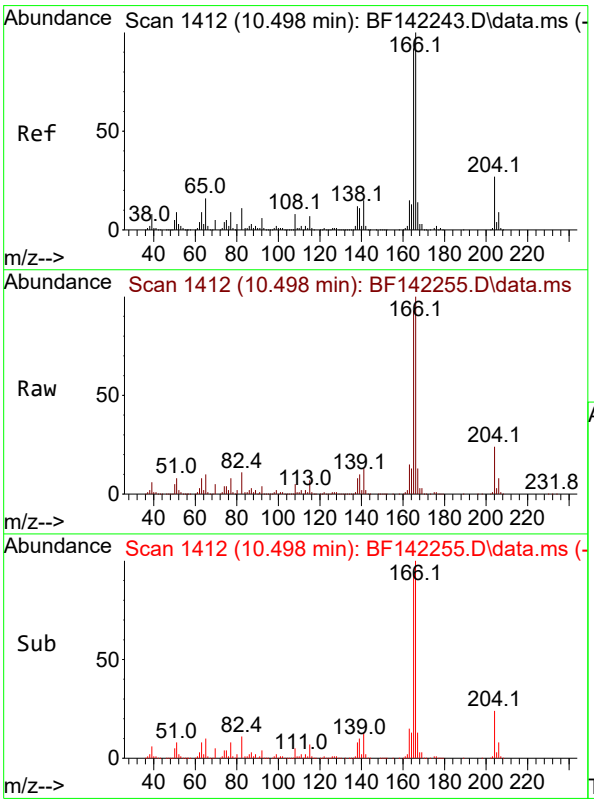
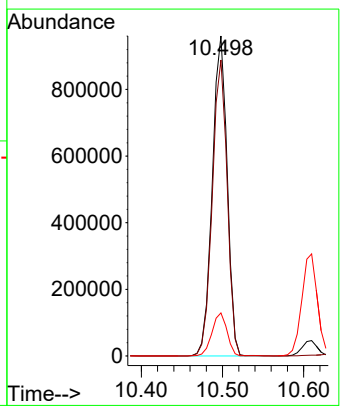
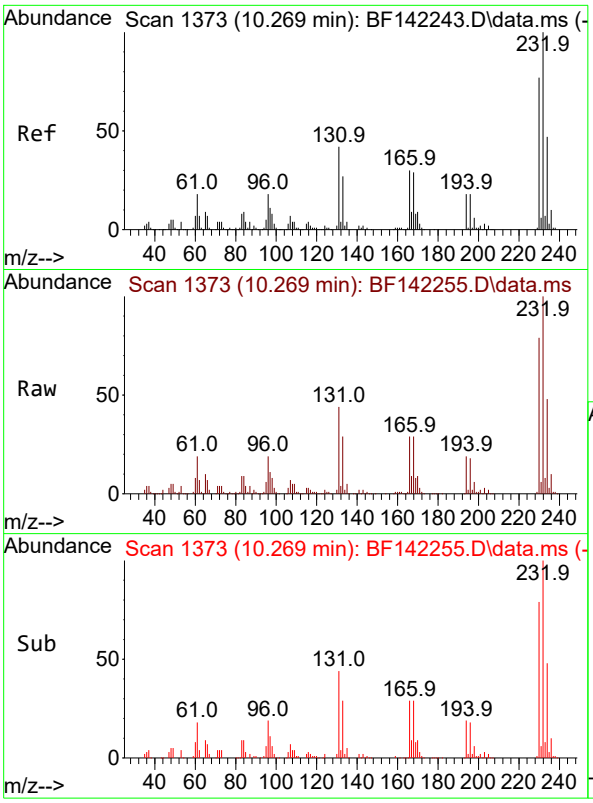


#58
Fluorene
Concen: 39.832 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:166 Resp: 1221943

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.9	110.9
167	13.5	10.8	16.2

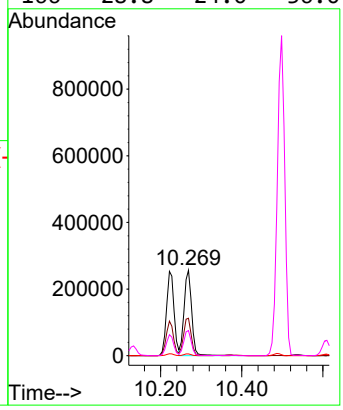




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.019 ng
RT: 10.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:232 Resp: 33009

Ion	Ratio	Lower	Upper
232	100		
131	44.4	35.9	53.9
130	2.1	1.8	2.6
166	28.8	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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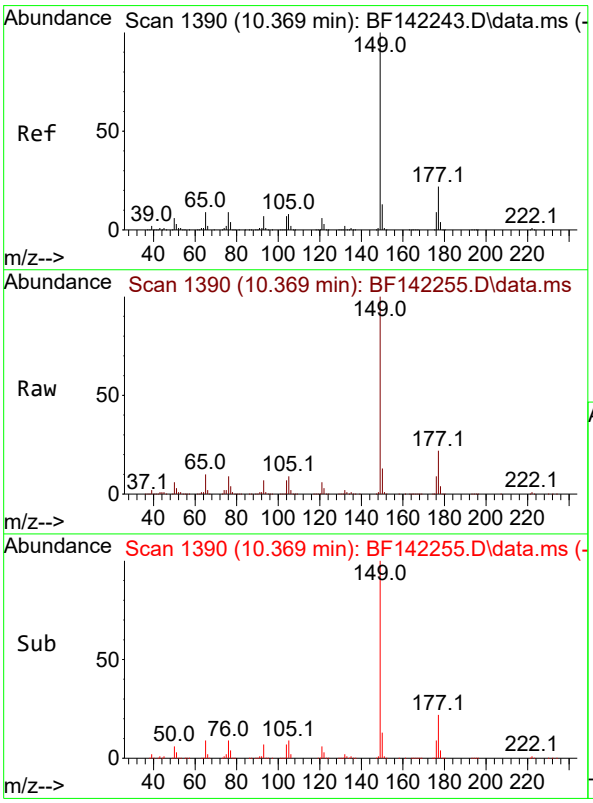
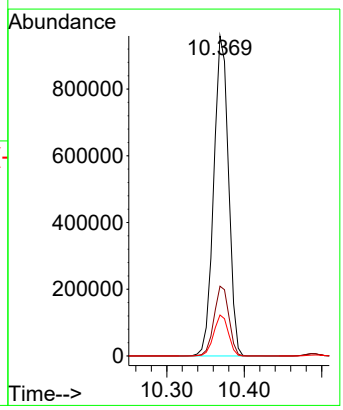
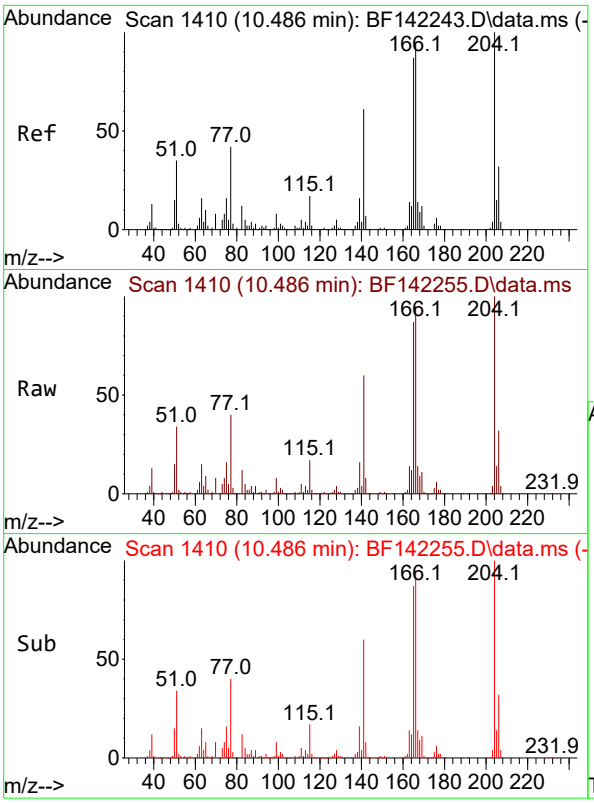


#60
Diethylphthalate
Concen: 42.490 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:149 Resp: 1267747

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.6	26.4
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.172 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Tgt Ion:204 Resp: 58525

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	59.8	48.9	73.3

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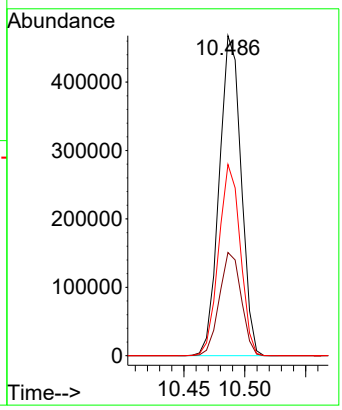
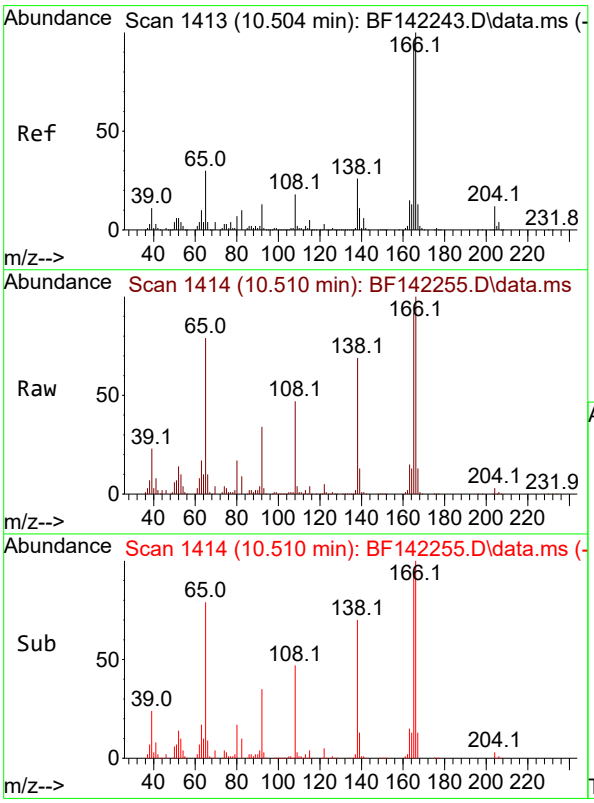
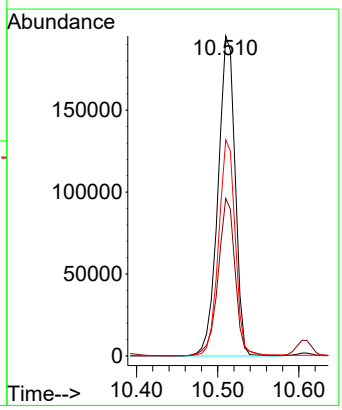


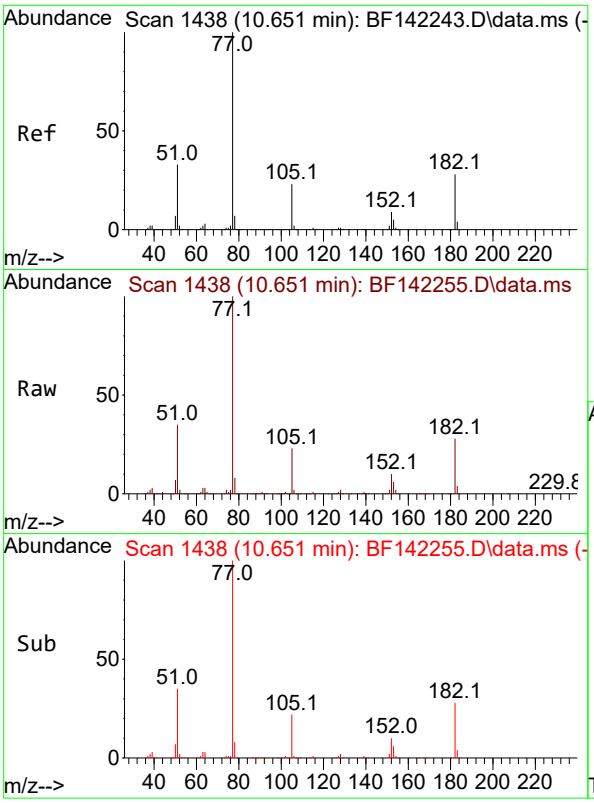


#62
4-Nitroaniline
Concen: 44.888 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:138 Resp: 286425

Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.2	69.2
108	67.6	49.1	89.1





#63
Azobenzene
Concen: 41.009 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Tgt Ion: 77 Resp: 120823

Ion	Ratio	Lower	Upper
77	100		
182	27.8	7.3	47.3
105	22.7	2.5	42.5
51	34.8	14.4	54.4

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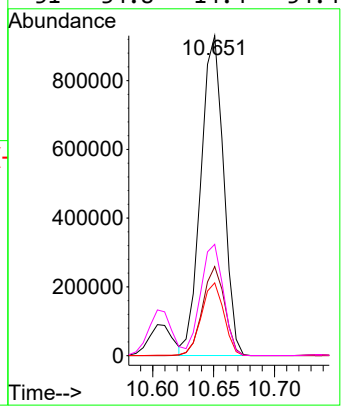
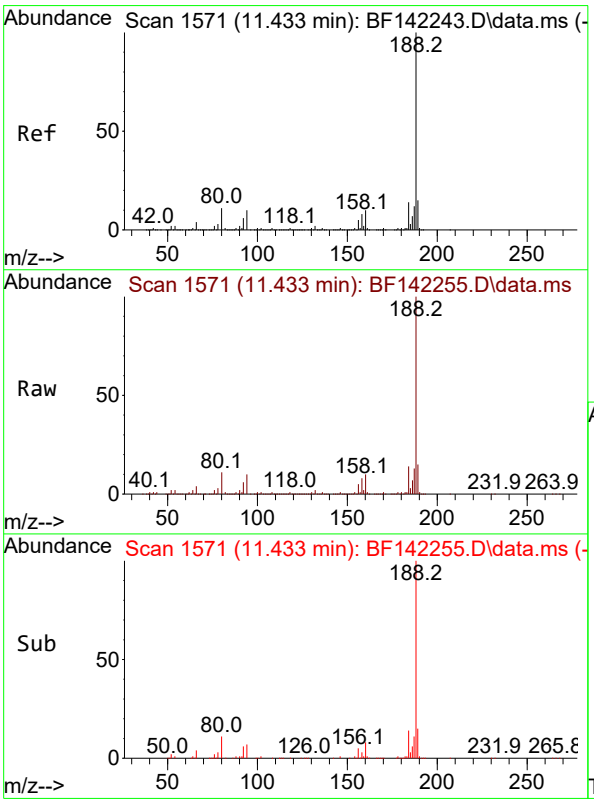
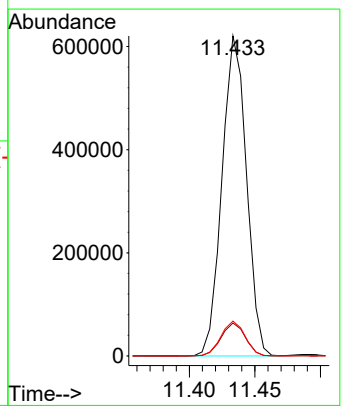


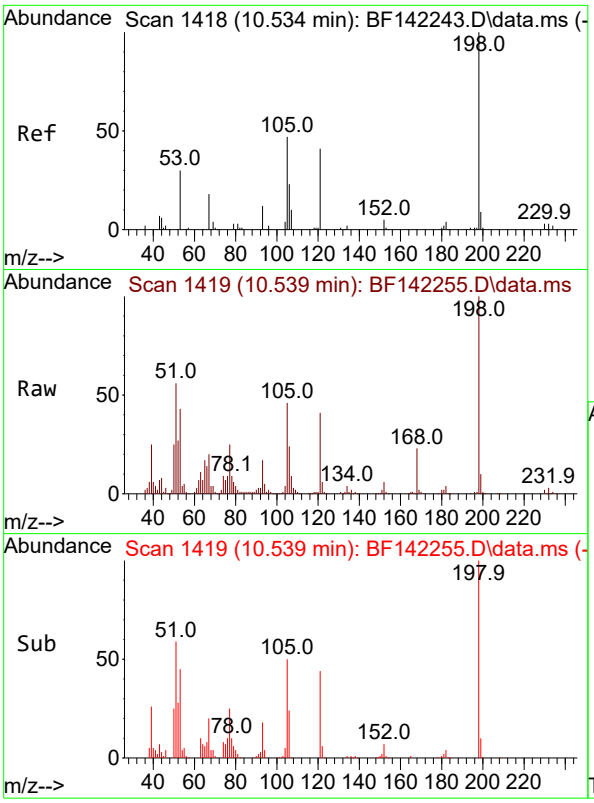


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:188 Resp: 804874

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	10.9	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 47.699 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.005 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:198 Resp: 12623

Ion	Ratio	Lower	Upper
198	100		
51	55.6	40.6	80.6
105	46.4	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
PB167810BS

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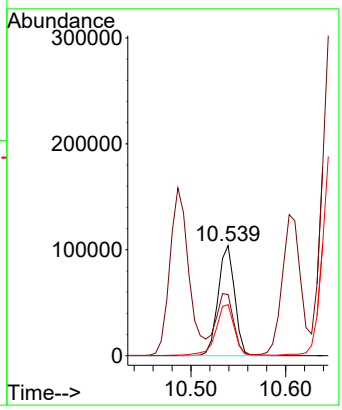
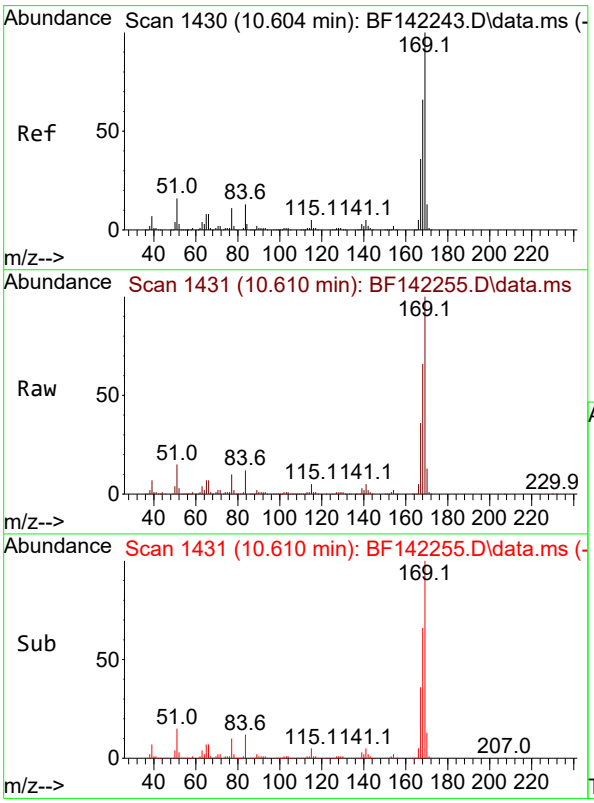
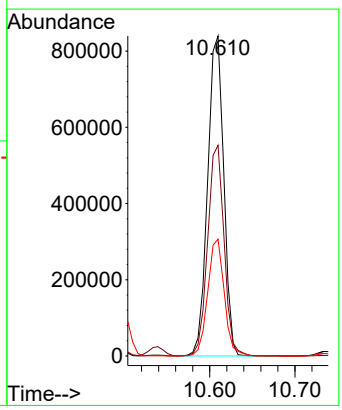


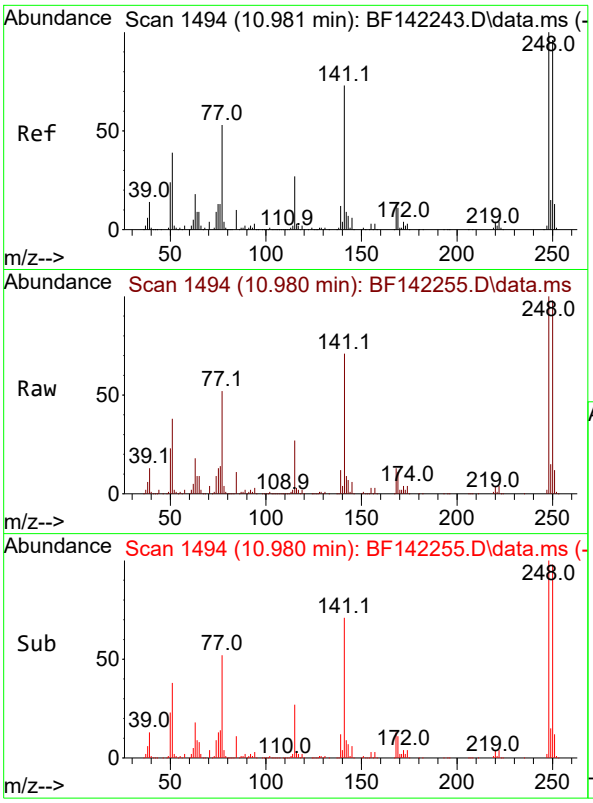


#66
n-Nitrosodiphenylamine
Concen: 40.164 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:169 Resp: 1104532

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.6
167	36.5	28.8	43.2

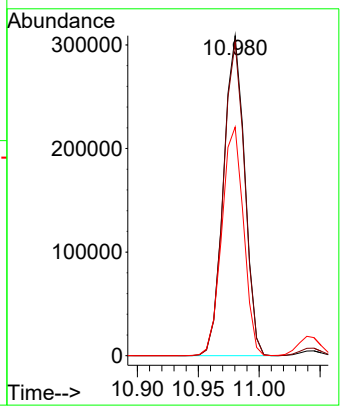




#67
4-Bromophenyl-phenylether
Concen: 41.655 ng
RT: 10.980 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:248 Resp: 37338

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.2	115.8
141	71.4	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
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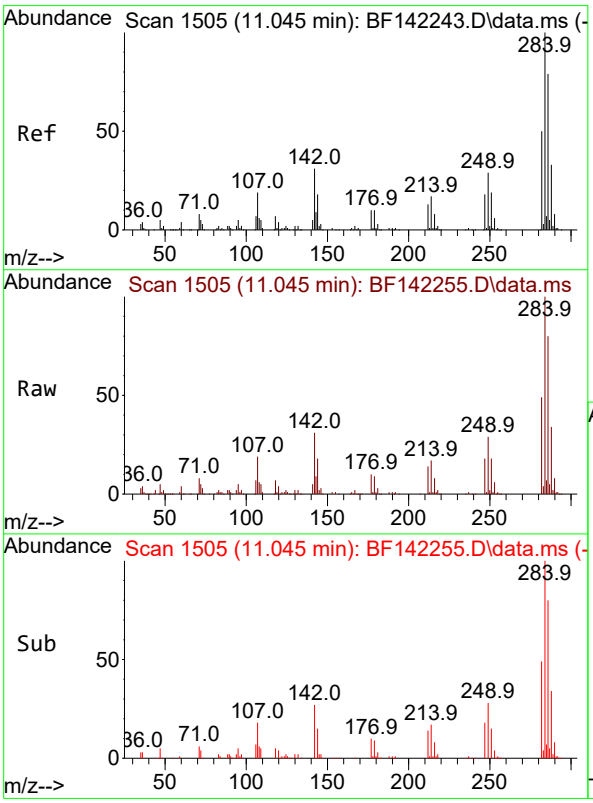
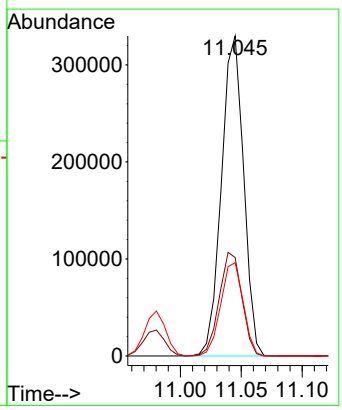
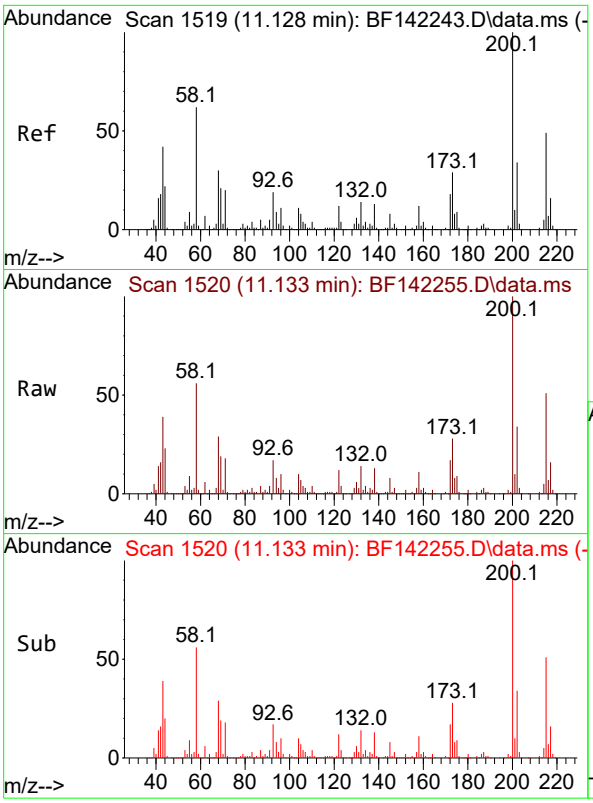


#68
Hexachlorobenzene
Concen: 41.636 ng
RT: 11.045 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:284 Resp: 417991

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.2	23.2	34.8

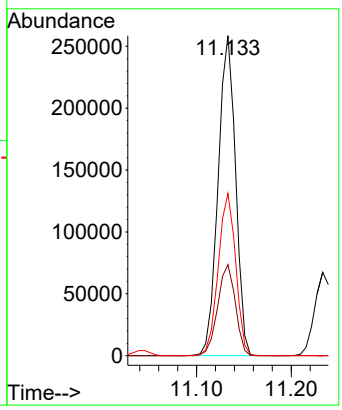




#69
Atrazine
Concen: 45.827 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:200 Resp: 33219

Ion	Ratio	Lower	Upper
200	100		
173	28.5	8.6	48.6
215	50.7	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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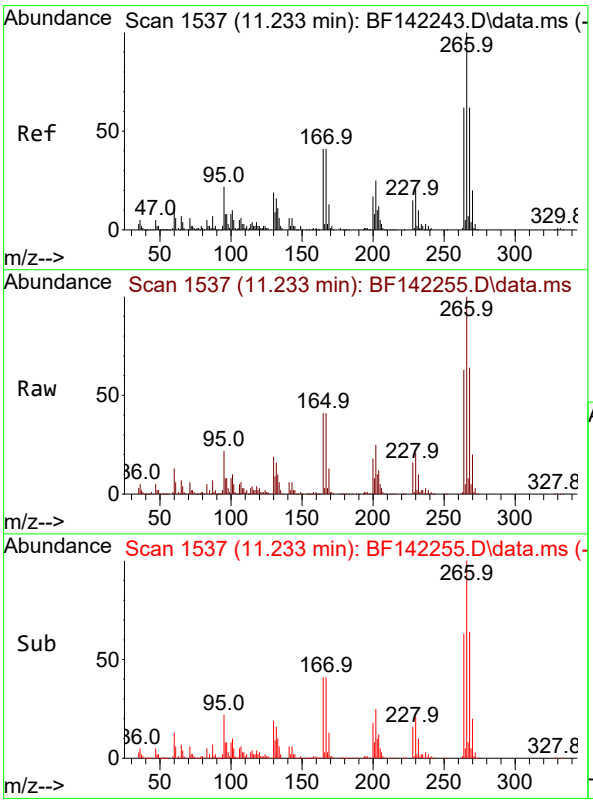
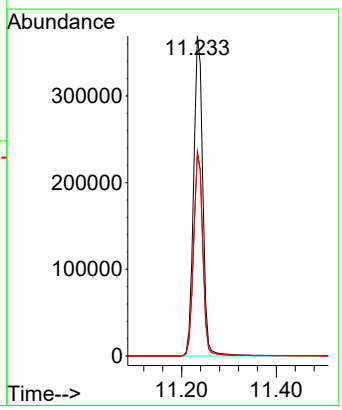
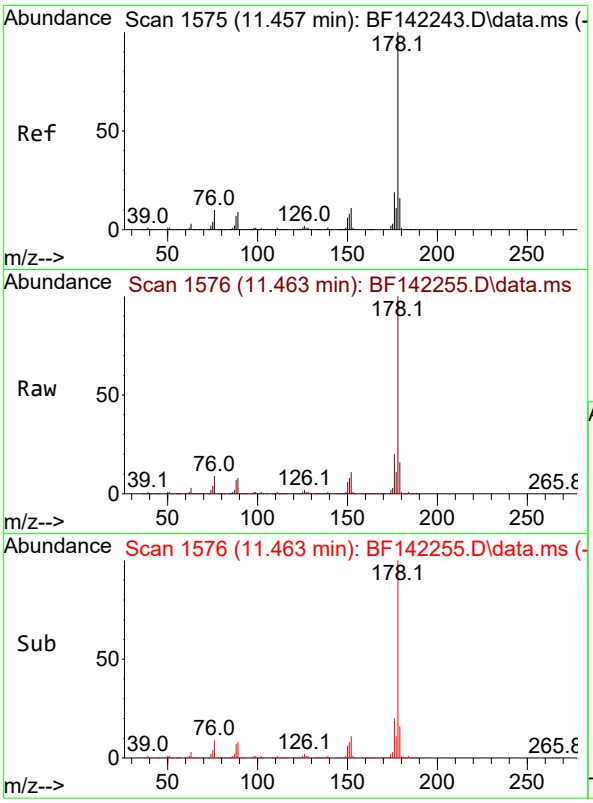


#70
Pentachlorophenol
Concen: 93.418 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:266 Resp: 495448

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.0	75.0
264	63.3	49.3	73.9

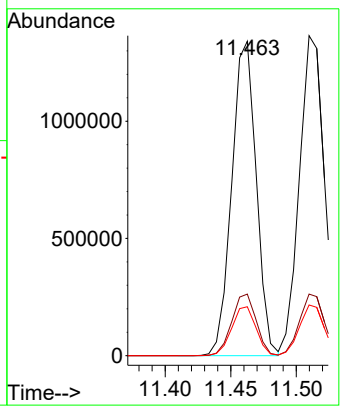




#71
Phenanthrene
Concen: 40.041 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:178 Resp: 174081

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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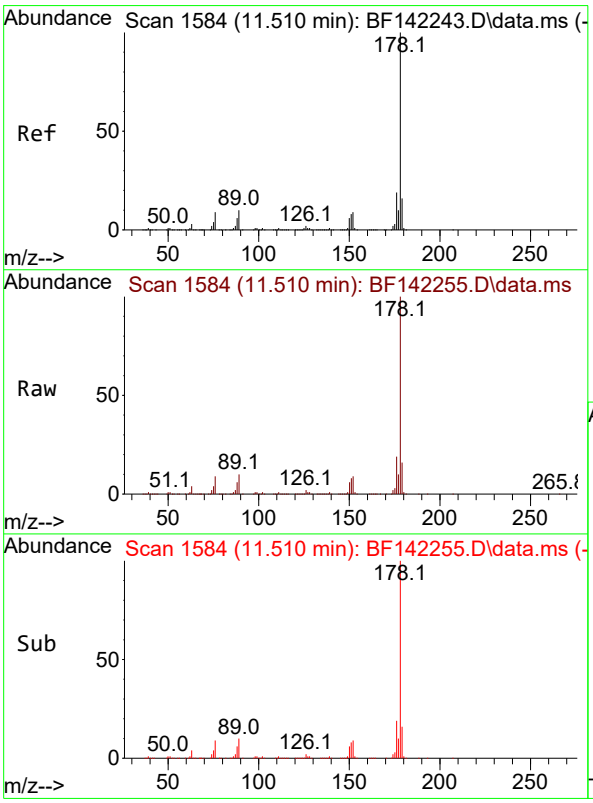
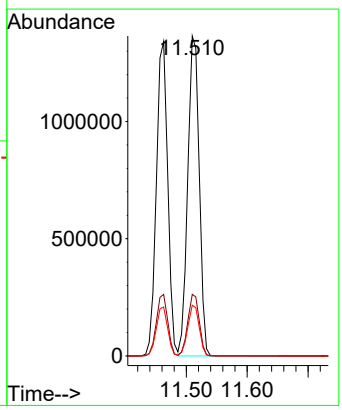
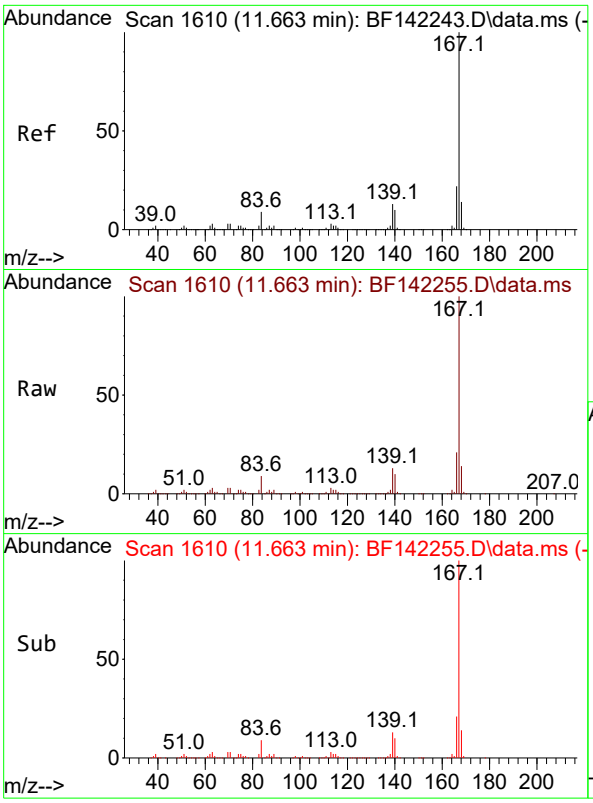


#72
Anthracene
Concen: 40.180 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:178 Resp: 1786049

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.9	12.7	19.1

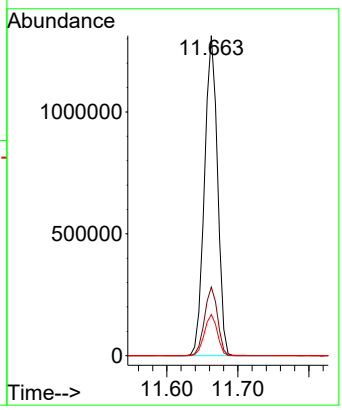




#73
Carbazole
Concen: 41.368 ng
RT: 11.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:167 Resp: 167744

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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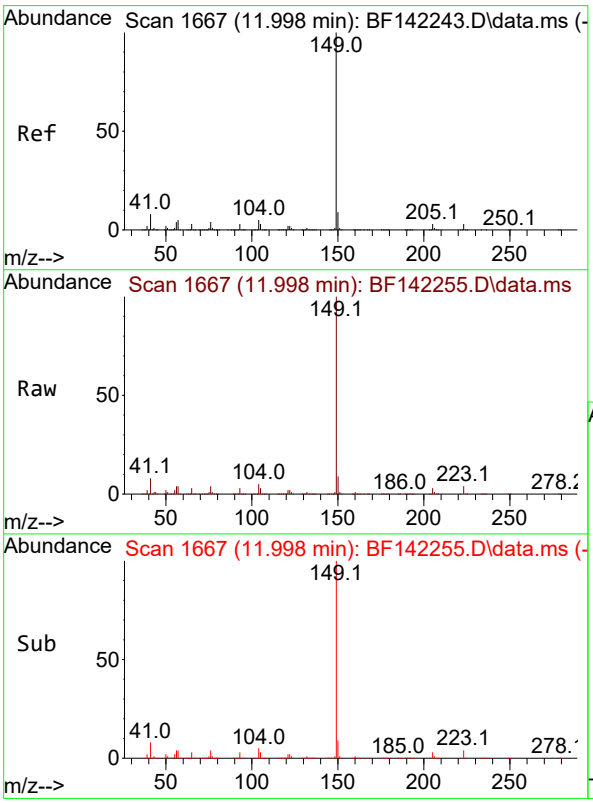
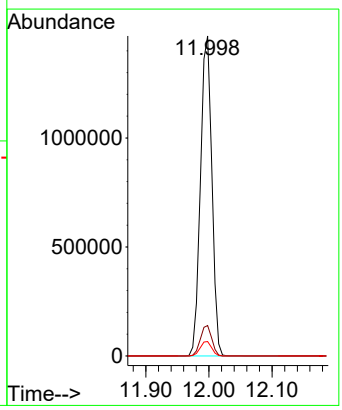
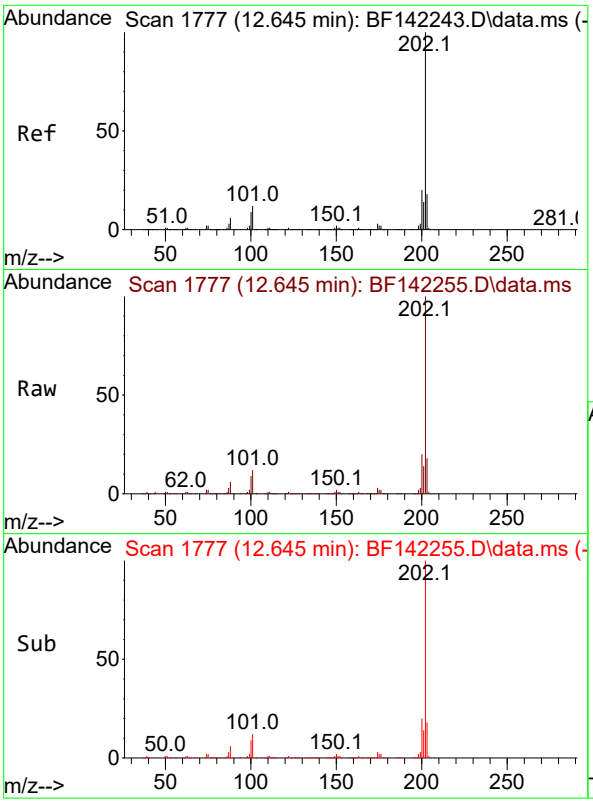


#74
Di-n-butylphthalate
Concen: 45.113 ng
RT: 11.998 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:149 Resp: 1839790

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.6	5.4

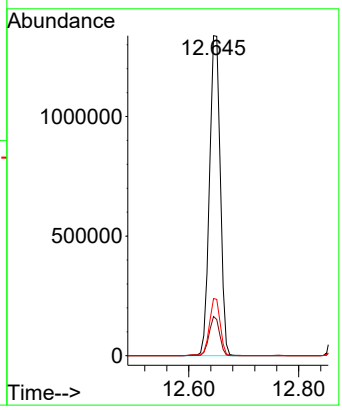




#75
Fluoranthene
Concen: 42.331 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:202 Resp: 181927

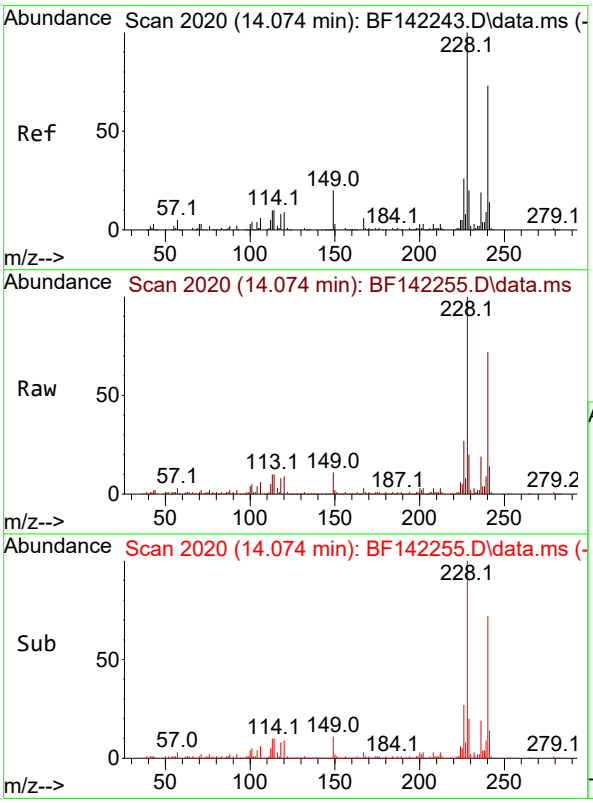
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.4
203	17.9	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations
APPROVED

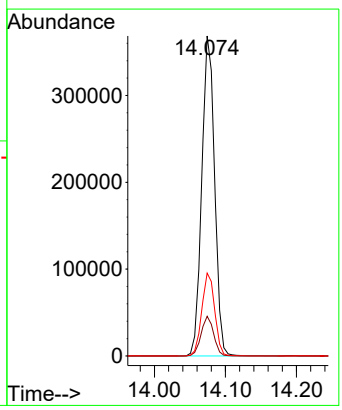
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

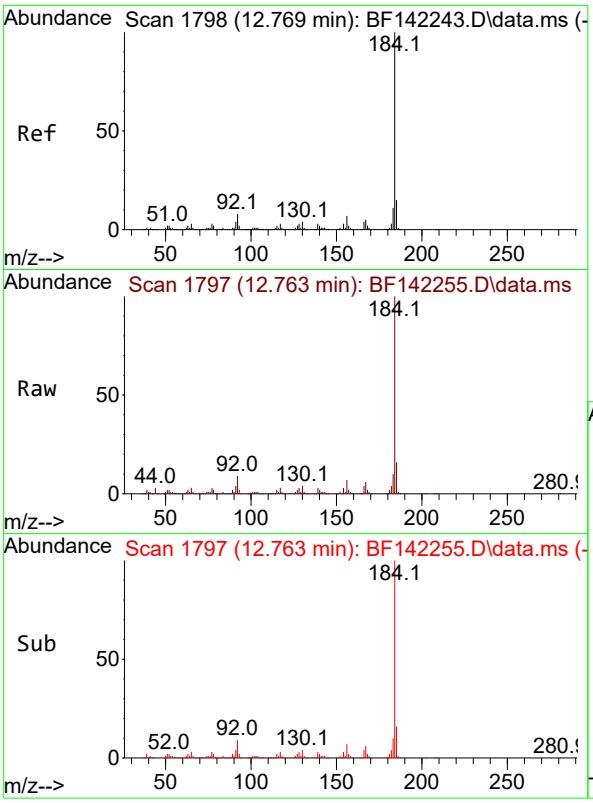


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:240 Resp: 464382

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.1	15.1
236	25.9	20.5	30.7

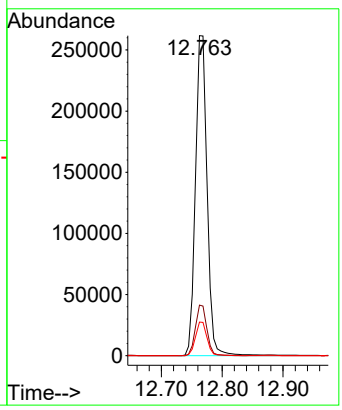




#77
Benzidine
Concen: 17.635 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:184 Resp: 34798

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.8	17.6
183	10.5	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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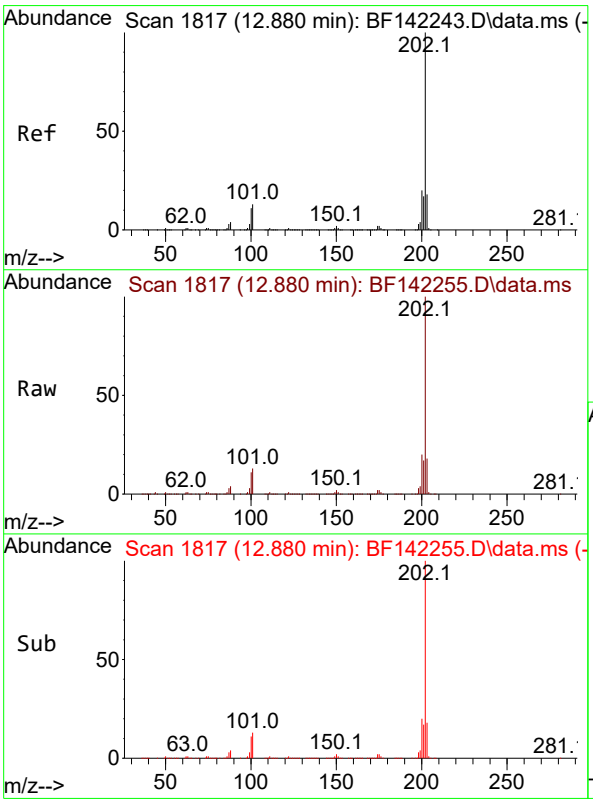
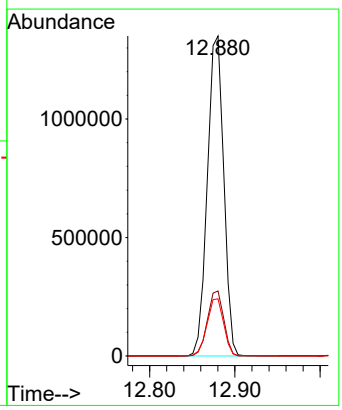
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

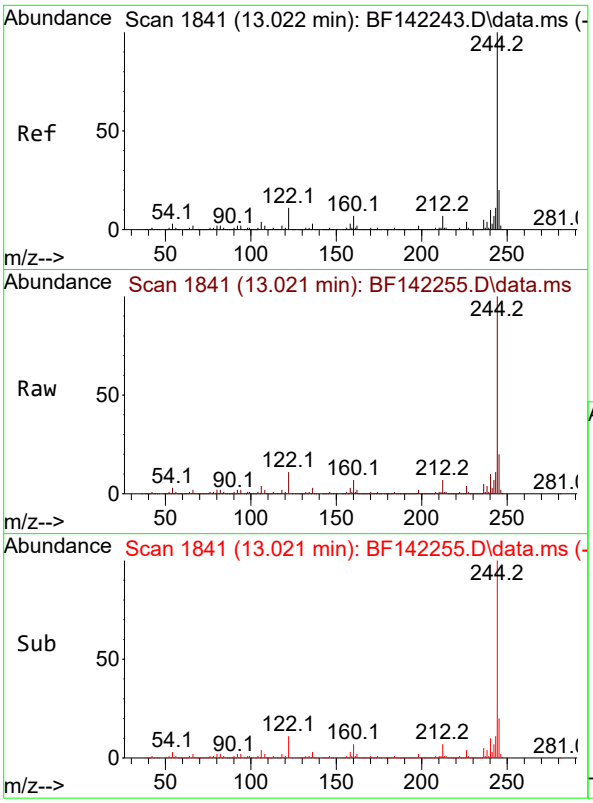


#78
Pyrene
Concen: 42.103 ng
RT: 12.880 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:202 Resp: 1803569

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	17.9	14.1	21.1

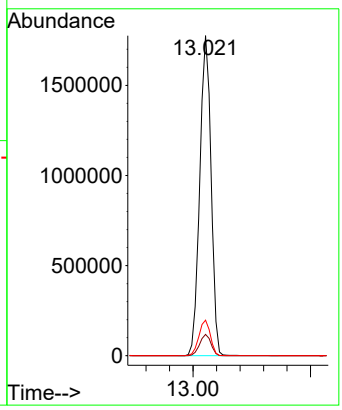




#79
Terphenyl-d14
Concen: 74.104 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:244 Resp: 236608

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.1	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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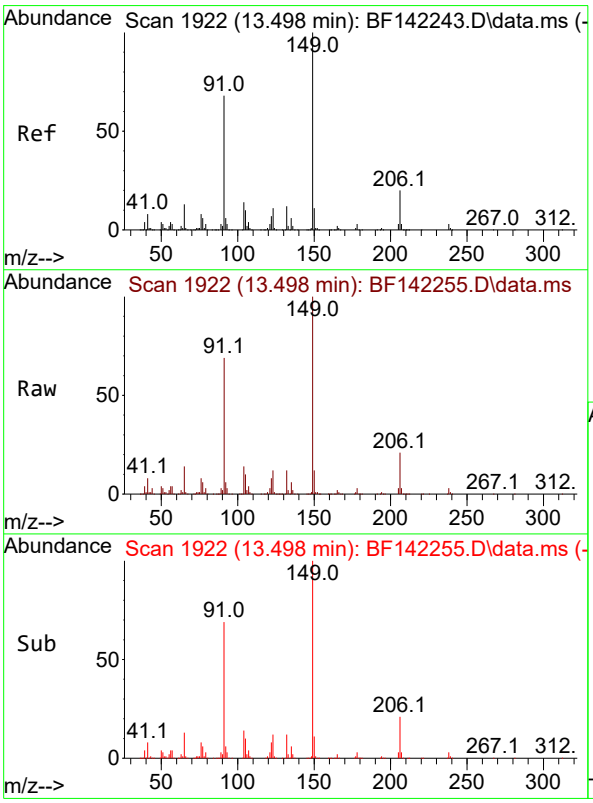
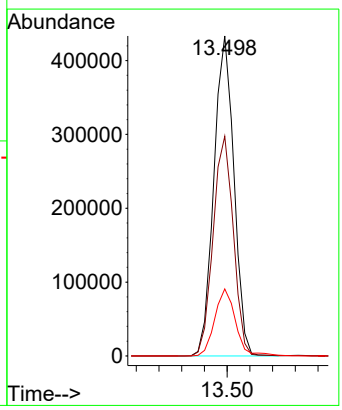
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

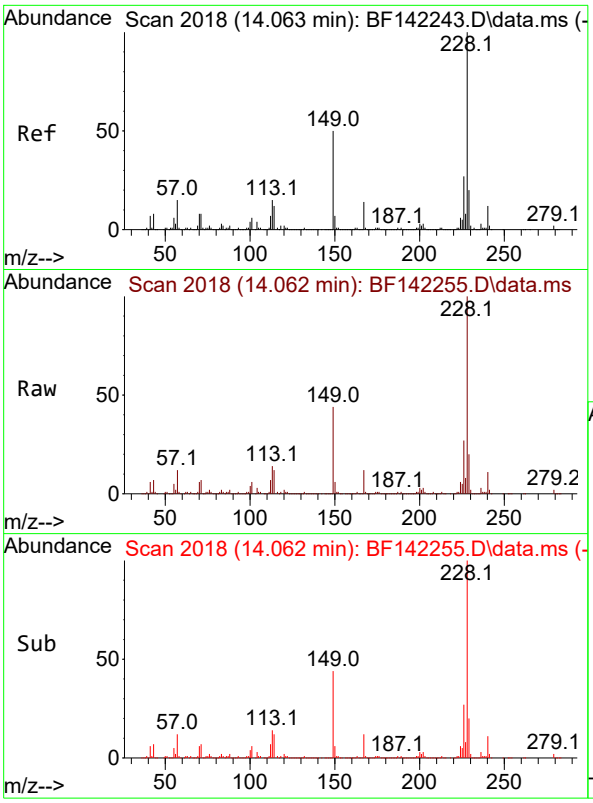


#80
Butylbenzylphthalate
Concen: 45.667 ng
RT: 13.498 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:149 Resp: 532587

Ion	Ratio	Lower	Upper
149	100		
91	68.7	54.4	81.6
206	20.9	15.9	23.9

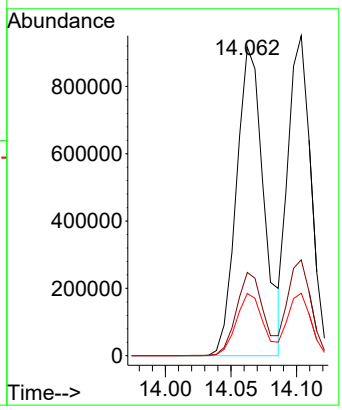




#81
Benzo(a)anthracene
Concen: 42.672 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:228 Resp: 133028

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.9	32.9
229	20.2	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations
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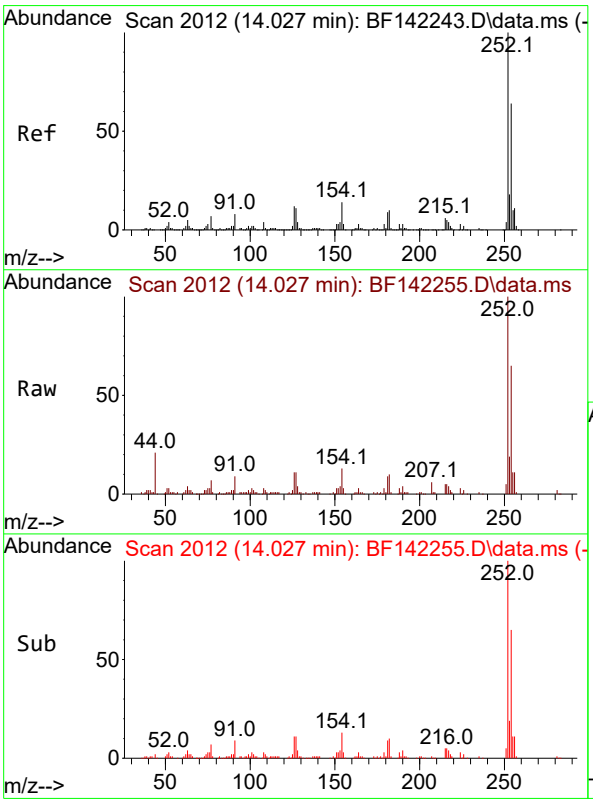
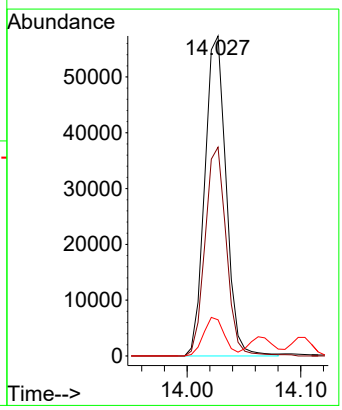
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

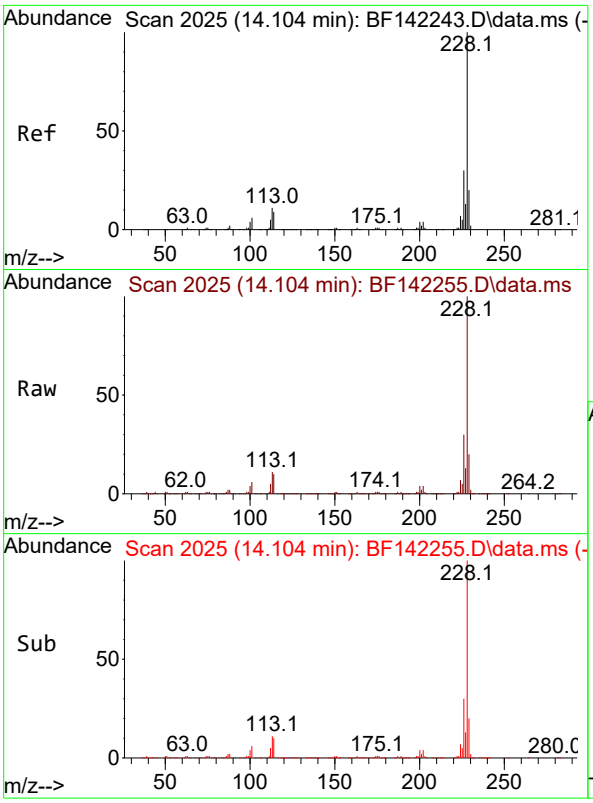


#82
3,3'-Dichlorobenzidine
Concen: 8.154 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:252 Resp: 74664

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.0	76.6
126	11.3	9.4	14.2

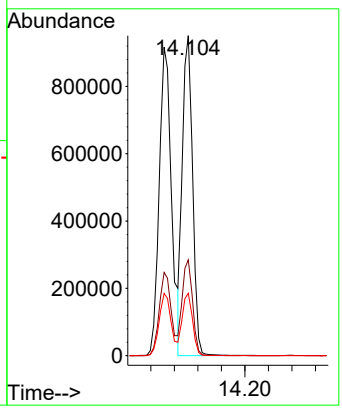




#83
Chrysene
Concen: 40.631 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:228 Resp: 115299

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.5	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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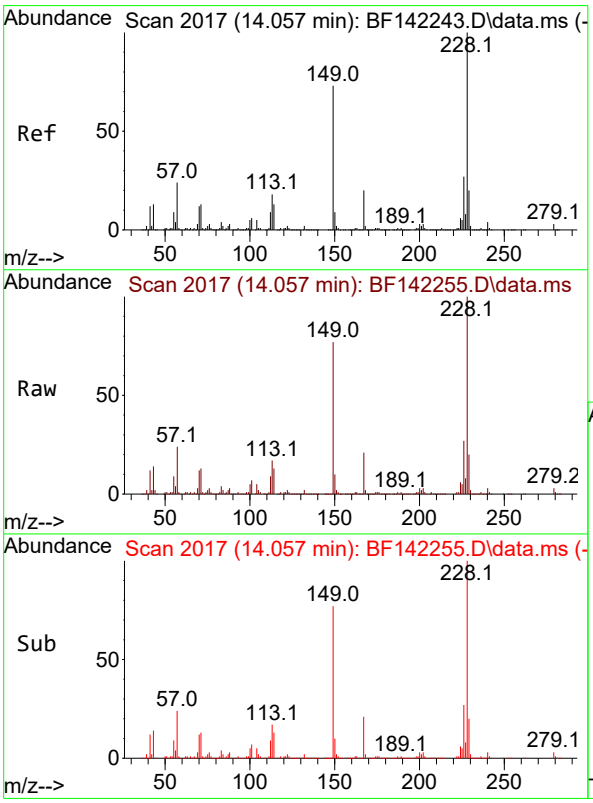
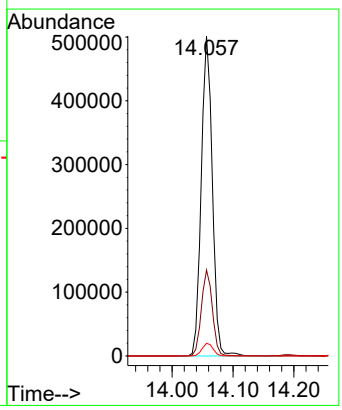
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

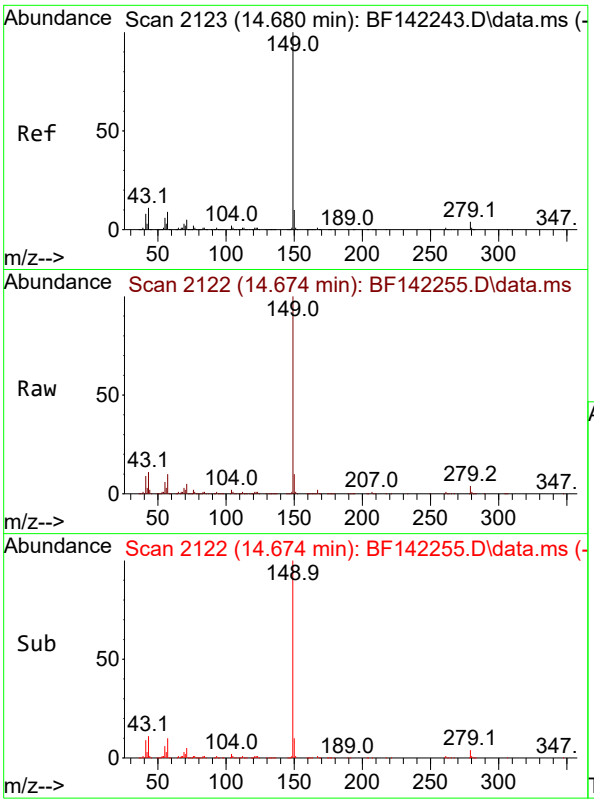


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.646 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:149 Resp: 632694

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	4.0	3.0	4.4

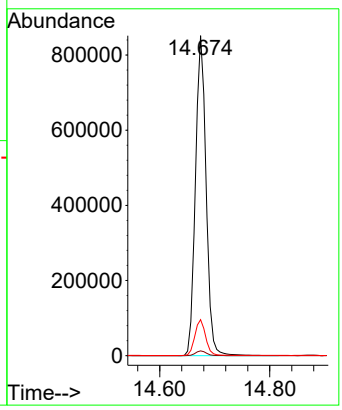




#85
Di-n-octyl phthalate
Concen: 39.690 ng
RT: 14.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:149 Resp: 114459

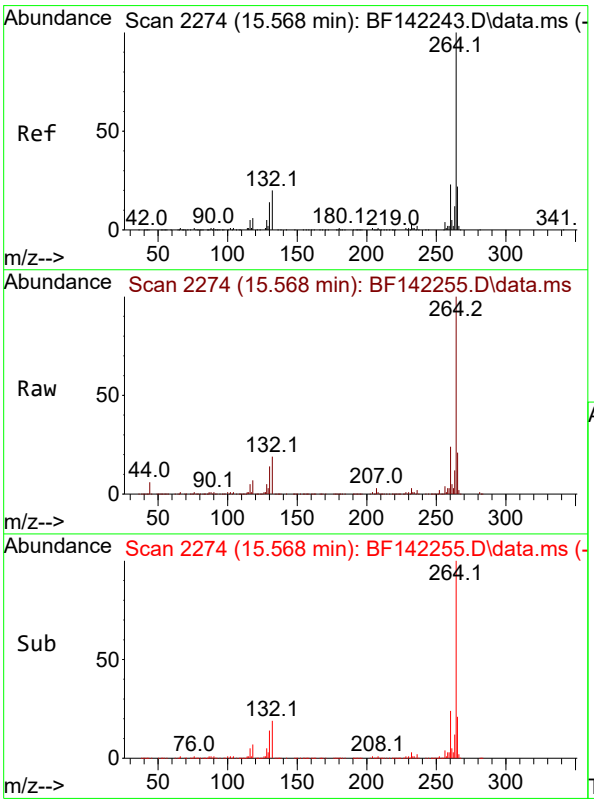
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.5	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED

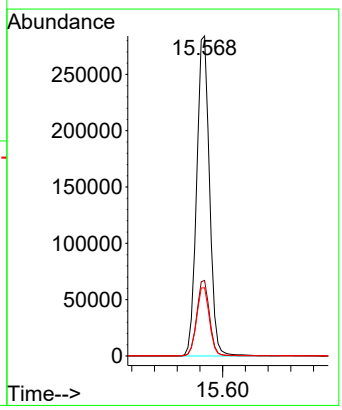
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

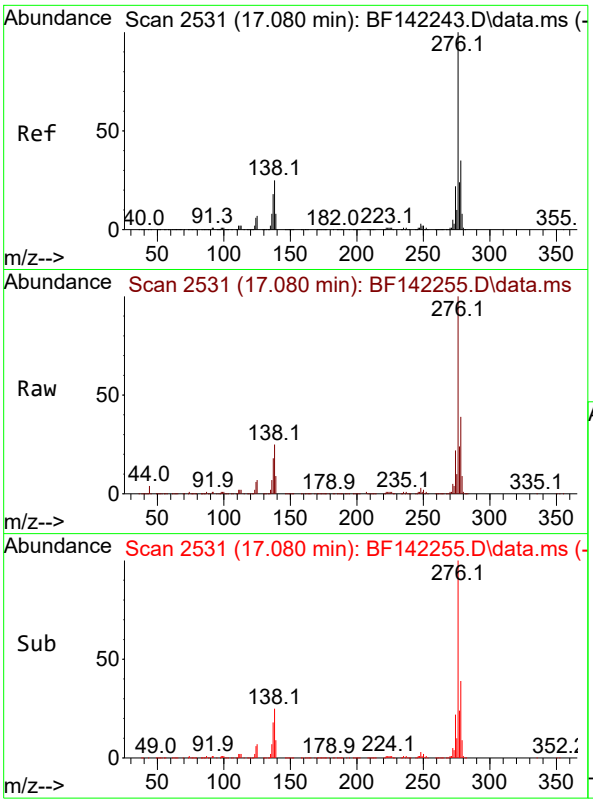


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:264 Resp: 446826

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.4	27.6
265	21.3	17.3	25.9

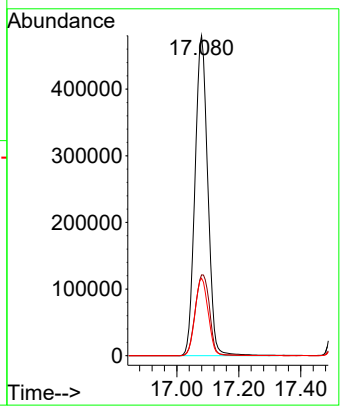




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.010 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:276 Resp: 137494

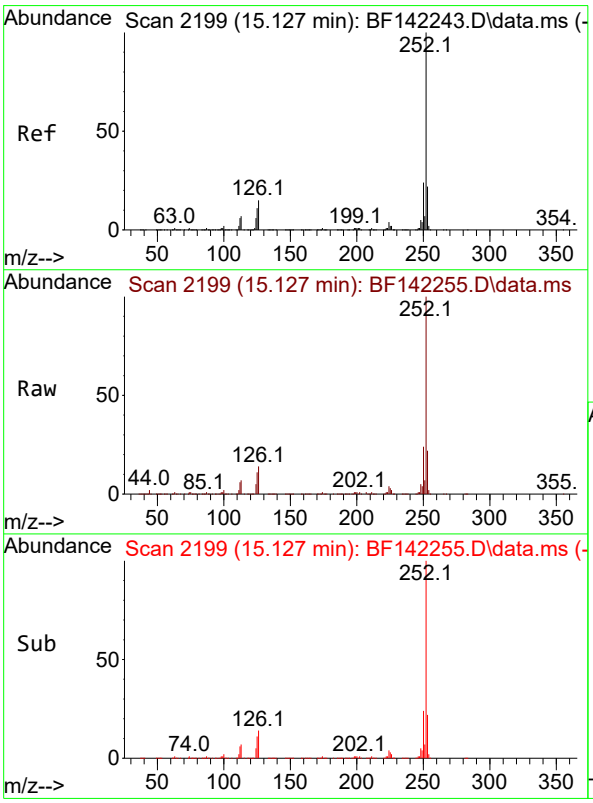
Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.6	33.8
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED

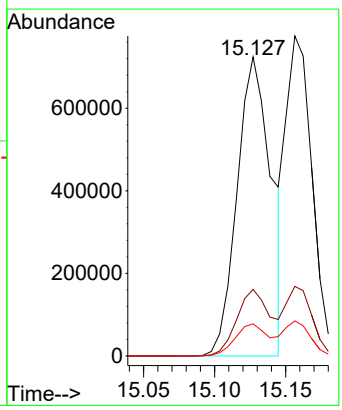
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

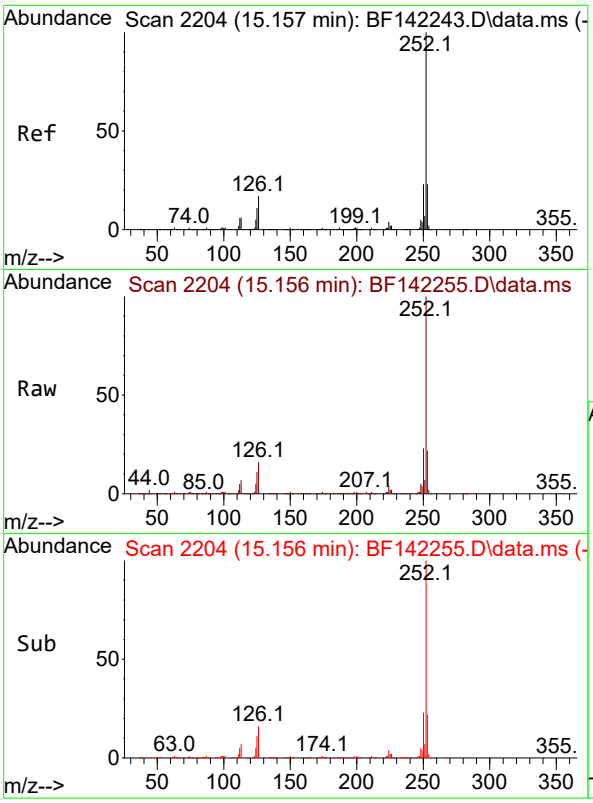


#88
Benzo(b)fluoranthene
Concen: 43.510 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:252 Resp: 1207610

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.7	9.0	13.4

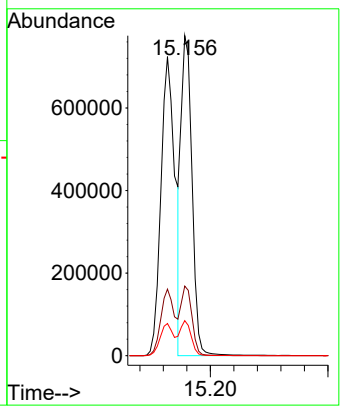




#89
Benzo(k)fluoranthene
Concen: 39.540 ng
RT: 15.156 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:252 Resp: 100380

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	11.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
PB167810BS

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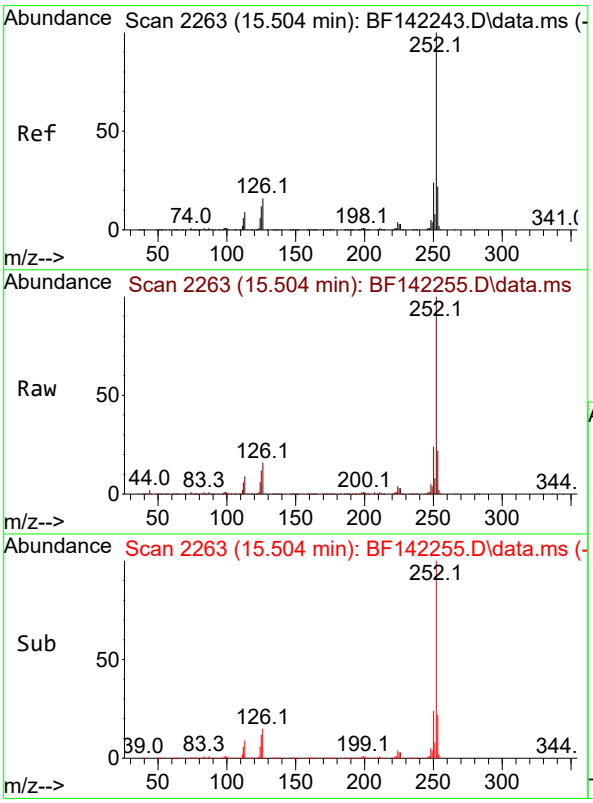
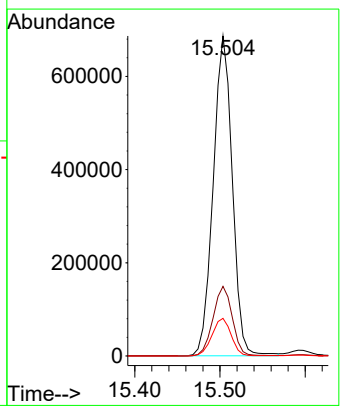
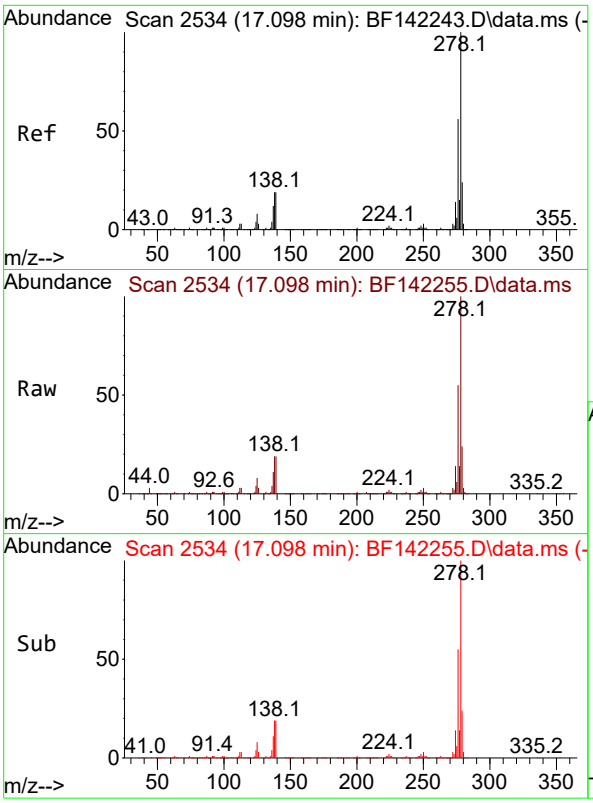


#90
Benzo(a)pyrene
Concen: 42.227 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:252 Resp: 1073003

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	9.5	14.3





#91
Dibenzo(a,h)anthracene
Concen: 41.894 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Tgt Ion:278 Resp: 111281

Ion	Ratio	Lower	Upper
278	100		
139	19.3	15.2	22.8
279	24.1	19.0	28.6

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Reviewed By :Rahul Chavli 05/02/2025
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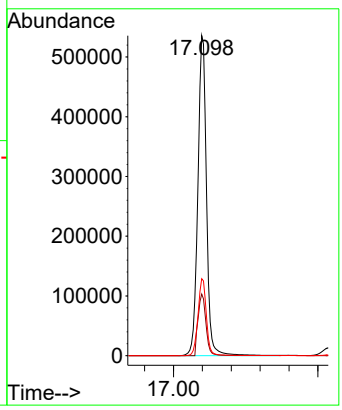
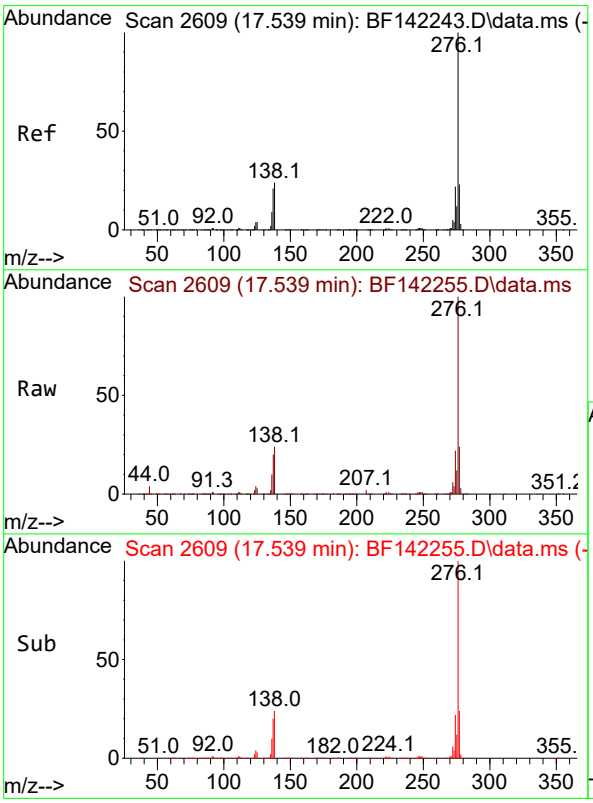
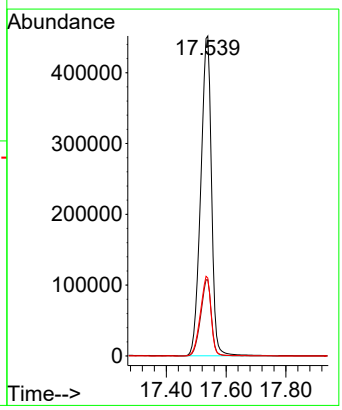




#92
Benzo(g,h,i)perylene
Concen: 42.026 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.000 min
Lab File: BF142255.D
Acq: 01 May 2025 12:39

Tgt Ion:276 Resp: 1122234

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	24.4	19.4	29.0



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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/26/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS	SDG No.:	Q1915
Lab Sample ID:	Q1901-08MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142277.D	1	04/30/25 13:15	05/02/25 12:27	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	270		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	340		5.30	50.0	ug/L
95-48-7	2-Methylphenol	360		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	360		11.0	100	ug/L
67-72-1	Hexachloroethane	350		6.50	50.0	ug/L
98-95-3	Nitrobenzene	440		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	380		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	460		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	500		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	440		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	940	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	96.6		10 - 139	64%	SPK: 150
13127-88-3	Phenol-d6	89.8		10 - 134	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.0		49 - 133	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.7		52 - 132	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	70.4		48 - 125	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	213000	6.91			
1146-65-2	Naphthalene-d8	808000	8.193			
15067-26-2	Acenaphthene-d10	402000	9.945			
1517-22-2	Phenanthrene-d10	630000	11.433			
1719-03-5	Chrysene-d12	370000	14.069			
1520-96-3	Perylene-d12	379000	15.557			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	04/26/25
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS			SDG No.:	Q1915
Lab Sample ID:	Q1901-08MS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142277.D	1	04/30/25 13:15	05/02/25 12:27	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF050225\
Data File : BF142277.D
Acq On : 02 May 2025 12:27
Operator : RC/JU
Sample : Q1901-08MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 13:05:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	212656	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	808361	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	402059	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	629997	20.000	ng	0.00
76) Chrysene-d12	14.069	240	370460	20.000	ng	0.00
86) Perylene-d12	15.557	264	379220	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1285671	96.555	ng	0.01
7) Phenol-d6	6.528	99	1443545	89.776	ng	0.00
23) Nitrobenzene-d5	7.469	82	1033716	84.012	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	462379	126.149	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2016863	70.728	ng	0.00
79) Terphenyl-d14	13.016	244	1792164	70.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	169976	28.583	ng	# 84
3) Pyridine	3.546	79	415695	26.896	ng	99
4) n-Nitrosodimethylamine	3.481	42	278483	34.818	ng	99
6) Aniline	6.569	93	185208	8.138	ng	100
8) 2-Chlorophenol	6.693	128	531955	38.662	ng	99
9) Benzaldehyde	6.457	77	175465	15.613	ng	99
10) Phenol	6.540	94	537381m	31.043	ng	
11) bis(2-Chloroethyl)ether	6.646	93	502092	37.430	ng	99
12) 1,3-Dichlorobenzene	6.851	146	511679	32.873	ng	99
13) 1,4-Dichlorobenzene	6.928	146	527665	33.647	ng	99
14) 1,2-Dichlorobenzene	7.081	146	509008	33.999	ng	99
15) Benzyl Alcohol	7.046	79	445258	39.044	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	916352	37.830	ng	99
17) 2-Methylphenol	7.151	107	403260	35.777	ng	100
18) Hexachloroethane	7.422	117	180036	35.075	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	379242	38.168	ng	98
20) 3+4-Methylphenols	7.304	107	508536	36.077	ng	91
22) Acetophenone	7.316	105	714285	38.195	ng	97
24) Nitrobenzene	7.487	77	532026	44.068	ng	100
25) Isophorone	7.728	82	1017548	39.404	ng	99
26) 2-Nitrophenol	7.804	139	249952	48.946	ng	98
27) 2,4-Dimethylphenol	7.834	122	465938	35.787	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	653302	40.114	ng	100
29) 2,4-Dichlorophenol	8.040	162	450542	41.390	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	460388	37.902	ng	100
31) Naphthalene	8.210	128	1515067	37.582	ng	100
32) Benzoic acid	7.922	122	217267	37.981	ng	97
33) 4-Chloroaniline	8.251	127	79798	4.754	ng	99
34) Hexachlorobutadiene	8.328	225	267842	37.794	ng	99
35) Caprolactam	8.616	113	114486m	34.992	ng	
36) 4-Chloro-3-methylphenol	8.728	107	450003	40.260	ng	99
37) 2-Methylnaphthalene	8.898	142	965025	38.934	ng	99
38) 1-Methylnaphthalene	8.998	142	1001608	39.008	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	466320	41.212	ng	99
41) Hexachlorocyclopentadiene	9.057	237	570339	88.811	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	326161	46.517	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142277.D
Acq On : 02 May 2025 12:27
Operator : RC/JU
Sample : Q1901-08MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 13:05:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	336279	45.616	ng		99
46) 1,1'-Biphenyl	9.363	154	1292053	41.337	ng		99
47) 2-Chloronaphthalene	9.392	162	960343	41.296	ng		99
48) 2-Nitroaniline	9.481	65	294596	48.035	ng		98
49) Acenaphthylene	9.810	152	1605889	40.923	ng		100
50) Dimethylphthalate	9.663	163	1104923	42.957	ng		100
51) 2,6-Dinitrotoluene	9.722	165	230556	46.839	ng		99
52) Acenaphthene	9.981	154	1000886	43.682	ng		99
53) 3-Nitroaniline	9.886	138	93454	17.726	ng		98
54) 2,4-Dinitrophenol	9.992	184	156192	86.643	ng	#	52
55) Dibenzofuran	10.151	168	1420255	41.350	ng		100
56) 4-Nitrophenol	10.039	139	369705	91.443	ng		99
57) 2,4-Dinitrotoluene	10.128	165	301103	50.164	ng		96
58) Fluorene	10.492	166	1070926	41.007	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	273427	44.776	ng		99
60) Diethylphthalate	10.363	149	1082961	42.636	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	522609	42.138	ng		96
62) 4-Nitroaniline	10.504	138	228504	42.238	ng		97
63) Azobenzene	10.645	77	1037185	41.352	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	106866	50.723	ng		90
66) n-Nitrosodiphenylamine	10.604	169	918104	42.652	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	319645	45.559	ng		98
68) Hexachlorobenzene	11.039	284	349088	44.425	ng		98
69) Atrazine	11.128	200	274854	48.442	ng		99
70) Pentachlorophenol	11.233	266	390510	94.071	ng		98
71) Phenanthrene	11.457	178	1459064	42.876	ng		100
72) Anthracene	11.510	178	1476623	42.440	ng		99
73) Carbazole	11.657	167	1322084	41.655	ng		100
74) Di-n-butylphthalate	11.992	149	1508741	47.265	ng		100
75) Fluoranthene	12.645	202	1362829	40.513	ng		98
77) Benzidine	12.763	184	40553	2.576	ng		97
78) Pyrene	12.875	202	1353270	39.600	ng		100
80) Butylbenzylphthalate	13.492	149	486120	51.715	ng		99
81) Benzo(a)anthracene	14.057	228	1077111	43.310	ng		100
82) 3,3'-Dichlorobenzidine	14.022	252	61349	8.398	ng		98
83) Chrysene	14.098	228	946310	41.802	ng		100
84) Bis(2-ethylhexyl)phtha...	14.051	149	628324	48.509	ng		99
85) Di-n-octyl phthalate	14.669	149	1009277	43.232	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1154061	41.548	ng		100
88) Benzo(b)fluoranthene	15.121	252	1089899	46.269	ng		99
89) Benzo(k)fluoranthene	15.151	252	857957	39.820	ng		99
90) Benzo(a)pyrene	15.498	252	936845	43.441	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	933265	41.398	ng		100
92) Benzo(g,h,i)perylene	17.521	276	936160	41.307	ng		99

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

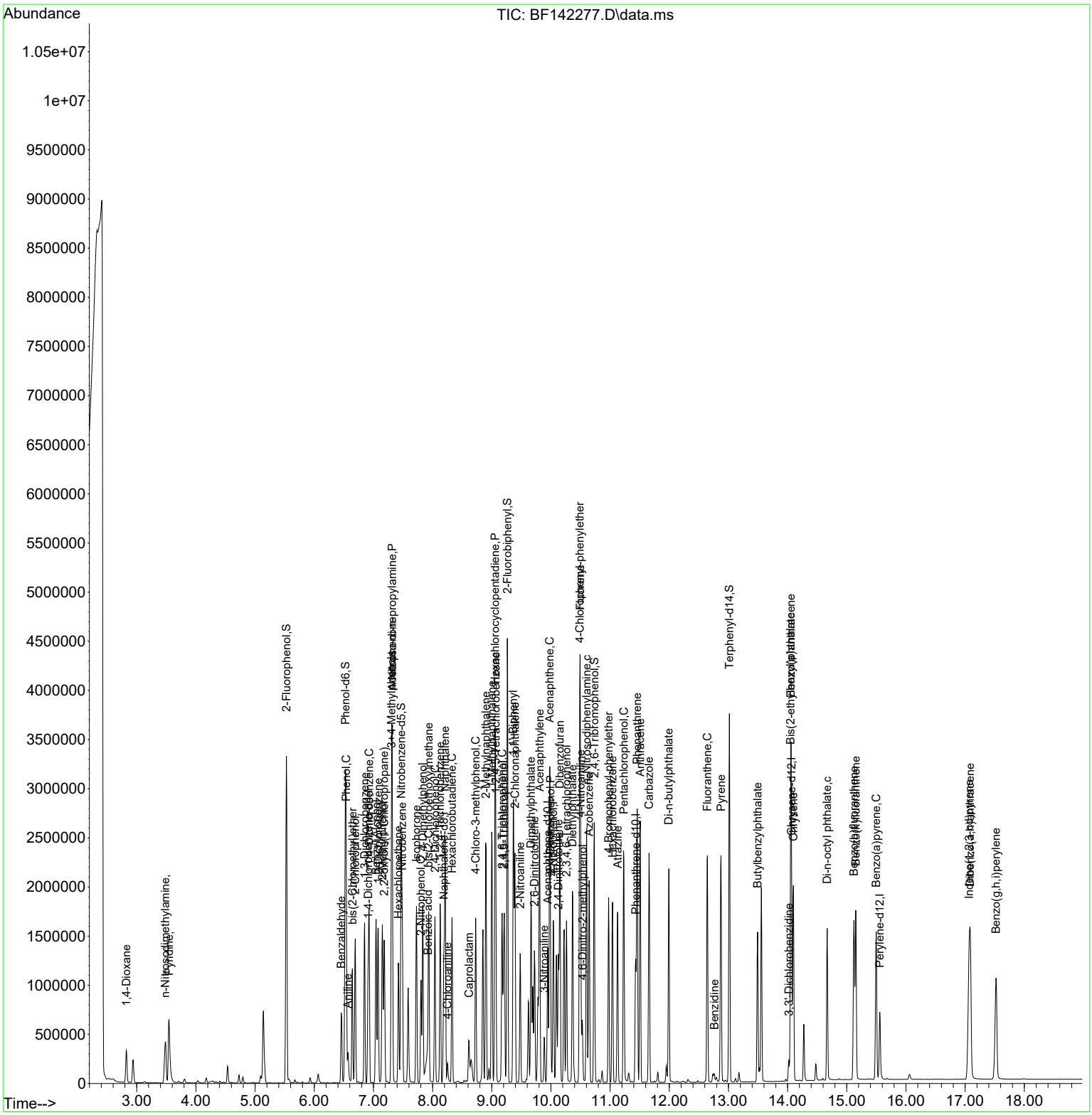
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142277.D
Acq On : 02 May 2025 12:27
Operator : RC/JU
Sample : Q1901-08MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

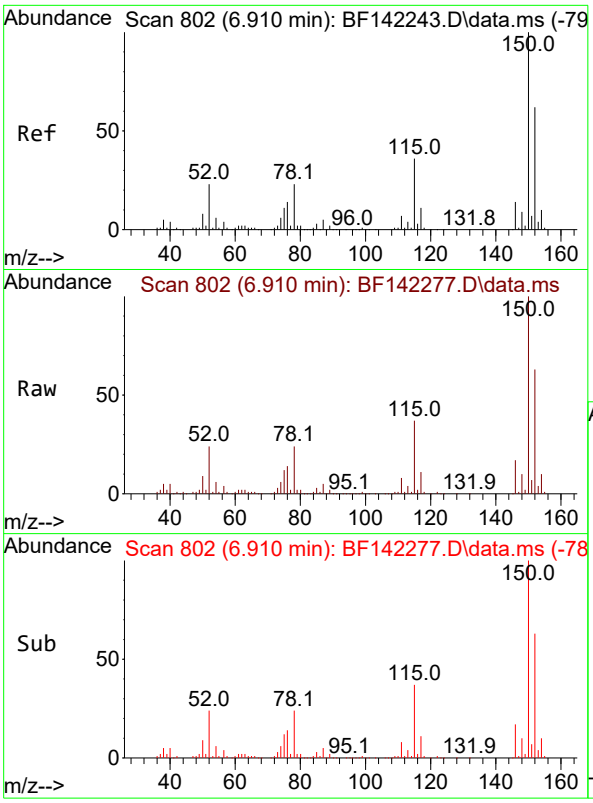
Quant Time: May 02 13:05:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

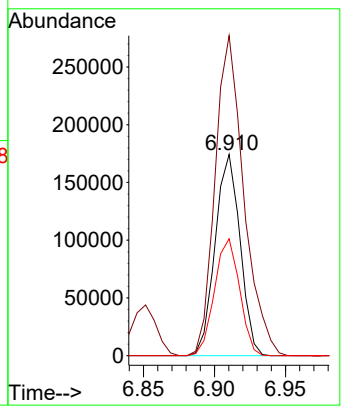




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:152 Resp: 21265

Ion	Ratio	Lower	Upper
152	100		
150	159.0	130.2	195.2
115	58.1	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations
APPROVED

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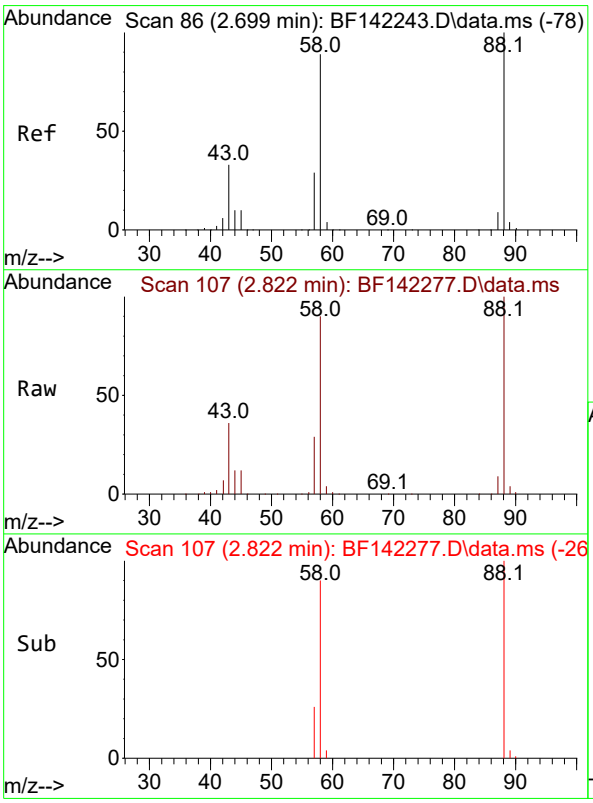
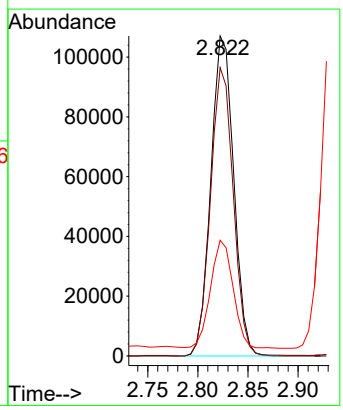
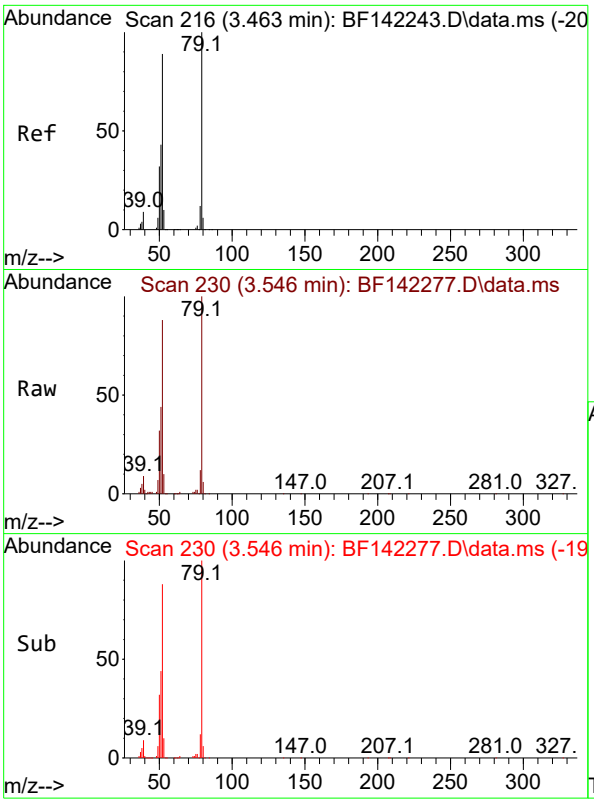


#2
1,4-Dioxane
Concen: 28.583 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.124 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 88 Resp: 169976

Ion	Ratio	Lower	Upper
88	100		
58	90.1	72.2	108.2
43	0.0	27.0	40.6#

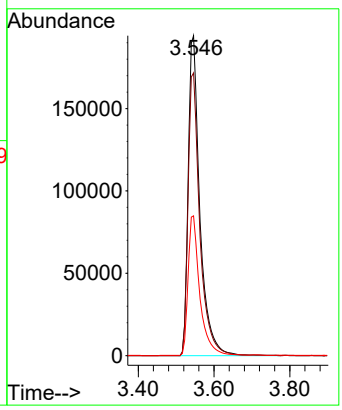




#3
Pyridine
Concen: 26.896 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 79 Resp: 41569

Ion	Ratio	Lower	Upper
79	100		
52	88.4	71.5	107.3
51	43.7	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations
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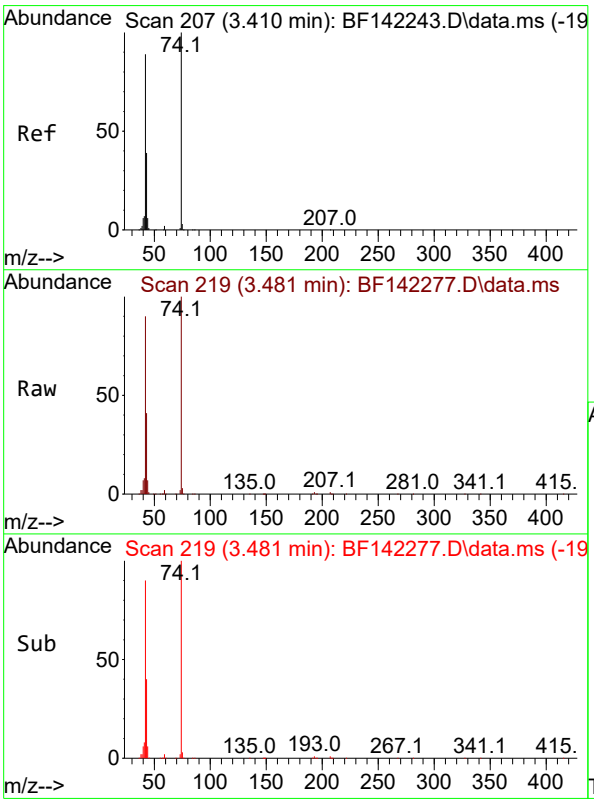
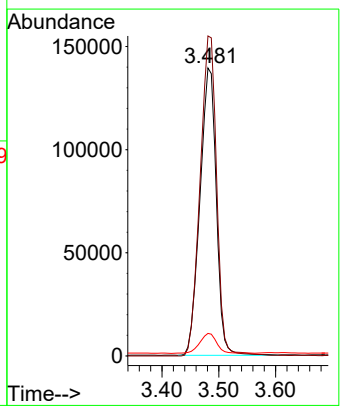
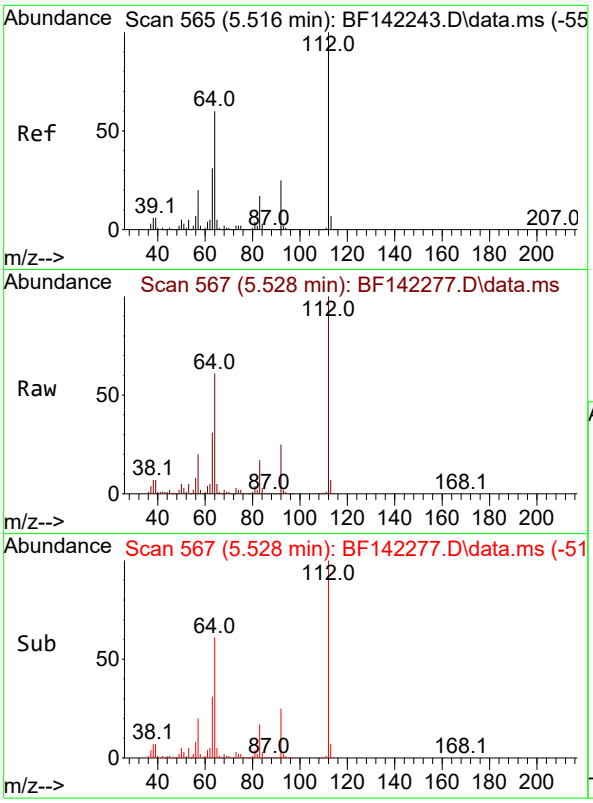


#4
n-Nitrosodimethylamine
Concen: 34.818 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.071 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 42 Resp: 278483

Ion	Ratio	Lower	Upper
42	100		
74	111.1	89.5	134.3
44	7.8	6.6	9.8





#5
2-Fluorophenol
Concen: 96.555 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:112 Resp: 128567

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.4	72.6
63	31.2	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/05/2025
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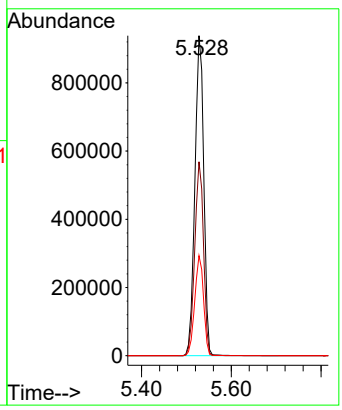
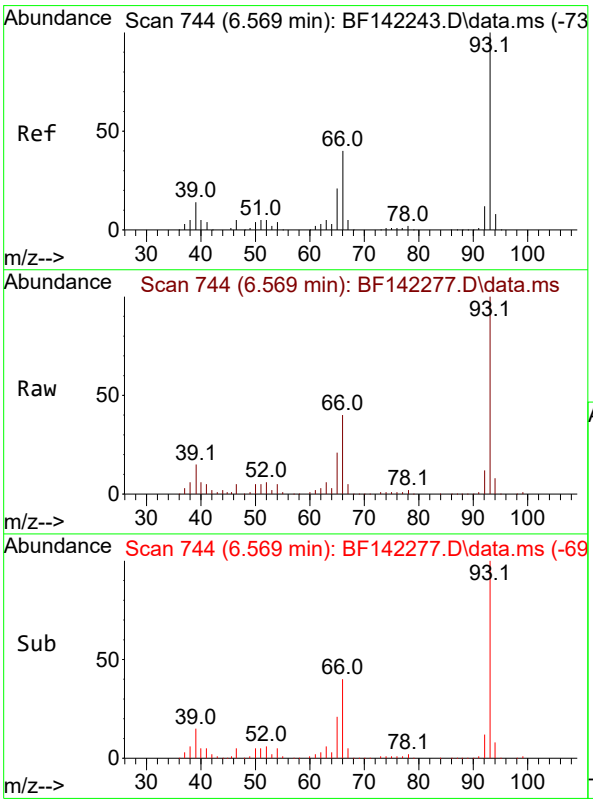
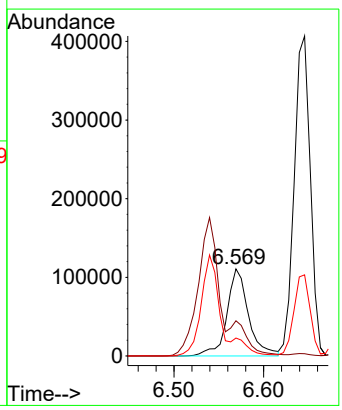


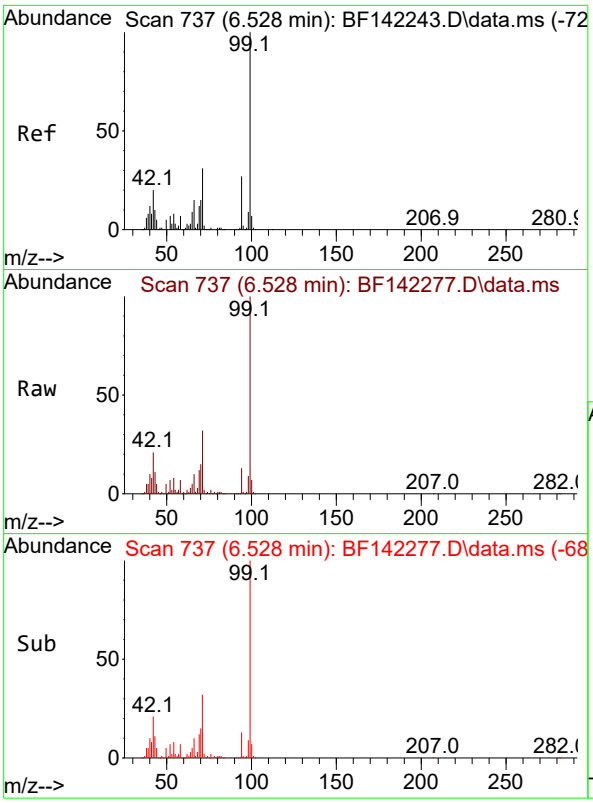


#6
Aniline
Concen: 8.138 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 93 Resp: 185208

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.1	48.1
65	20.7	16.6	24.8





#7
Phenol-d6
Concen: 89.776 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 99 Resp: 144354

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.3	24.5
71	31.8	25.0	37.4

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations
APPROVED

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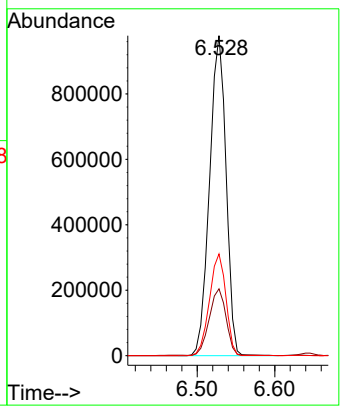
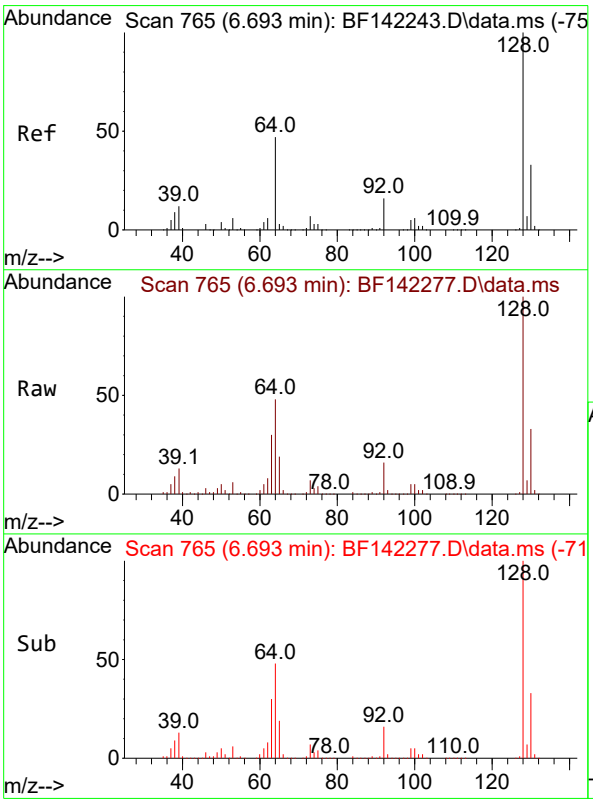
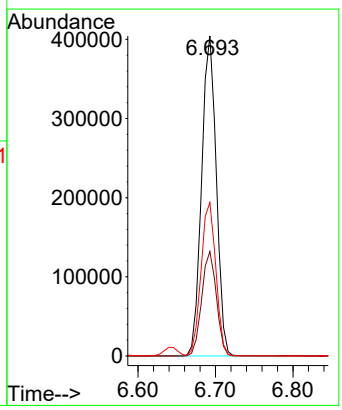


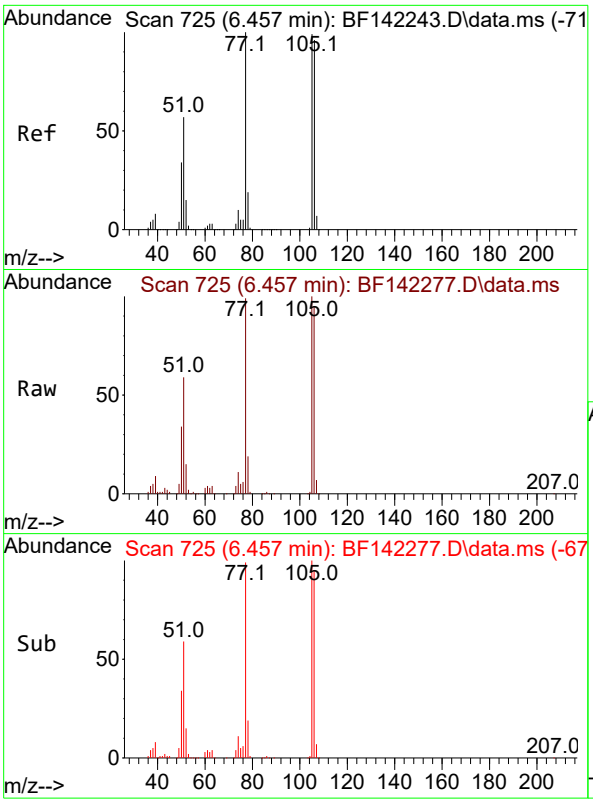


#8
2-Chlorophenol
Concen: 38.662 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:128 Resp: 531955

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.1	53.1
64	47.9	28.6	68.6

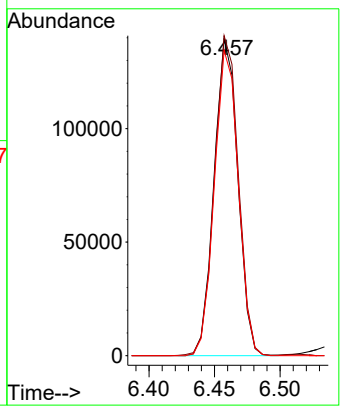




#9
Benzaldehyde
Concen: 15.613 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 77 Resp: 17546

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.1	119.1
106	96.2	76.0	116.0



Instrument :
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ClientSampleId :
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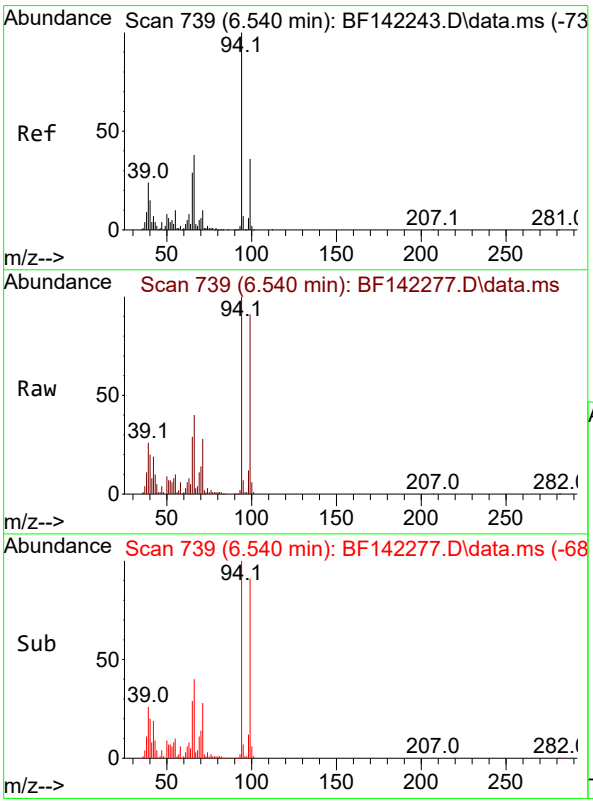
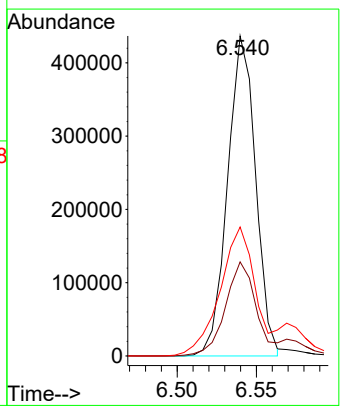
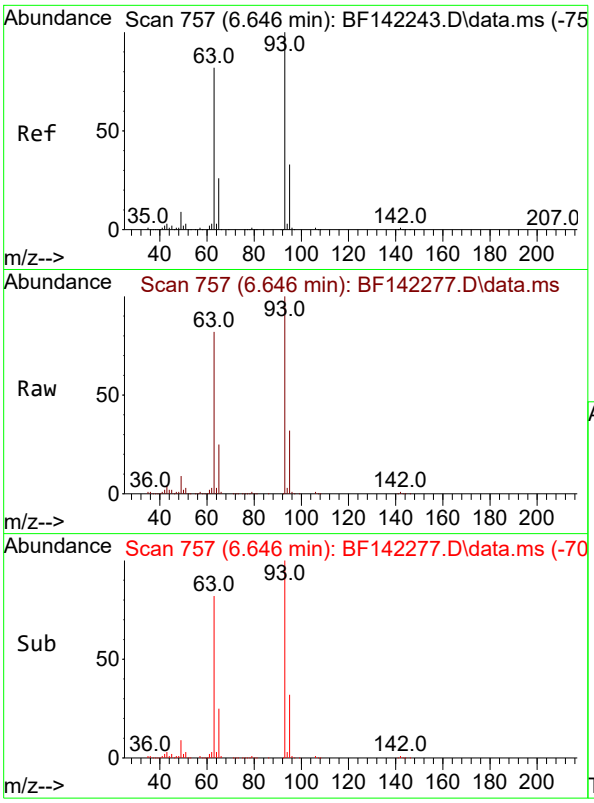


#10
Phenol
Concen: 31.043 ng m
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 94 Resp: 537381

Ion	Ratio	Lower	Upper
94	100		
65	29.4	8.9	48.9
66	40.3	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 37.430 ng
RT: 6.646 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 93 Resp: 50209

Ion	Ratio	Lower	Upper
93	100		
63	81.5	62.2	102.2
95	32.2	12.7	52.7

Instrument :
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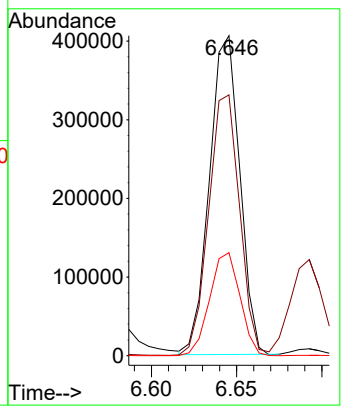
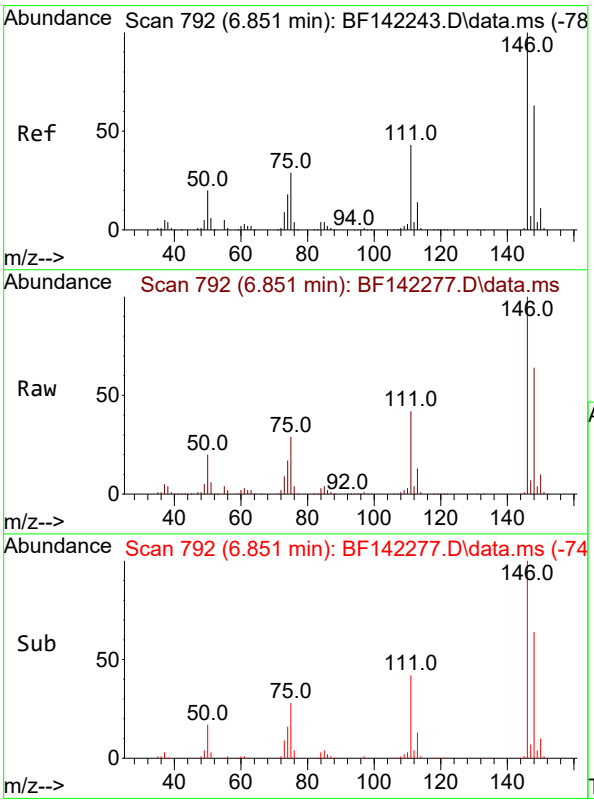
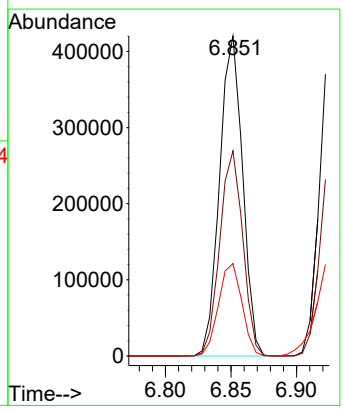


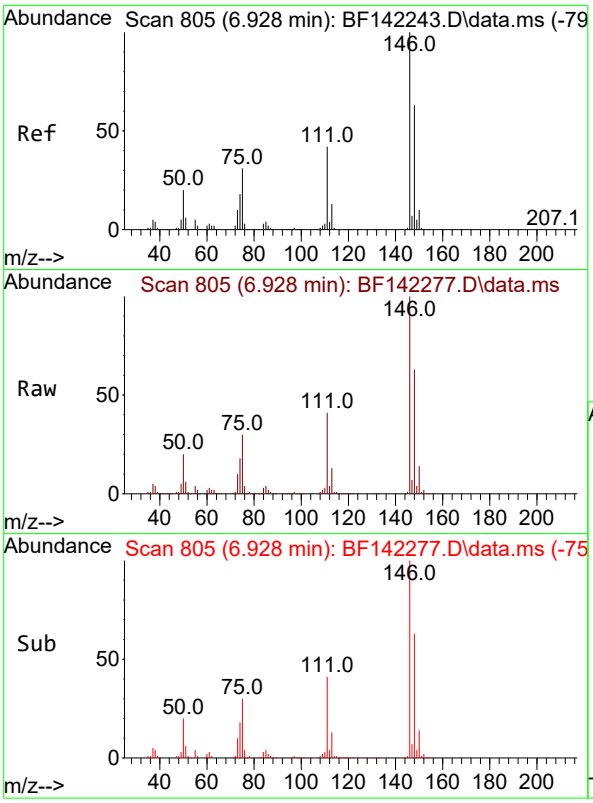


#12
1,3-Dichlorobenzene
Concen: 32.873 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:146 Resp: 511679

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
75	28.9	23.2	34.8

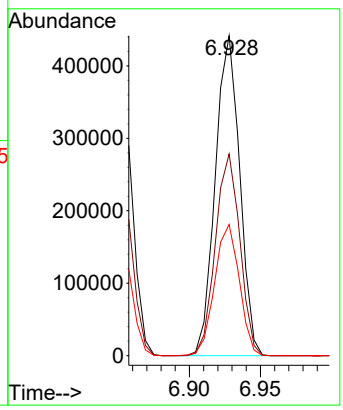




#13
1,4-Dichlorobenzene
Concen: 33.647 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:146 Resp: 52766

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	76.0
111	41.0	33.4	50.0



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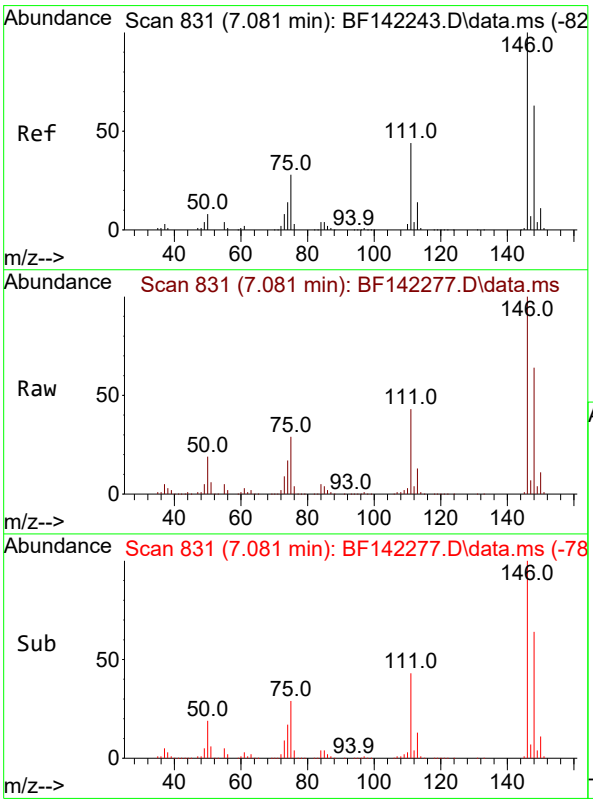
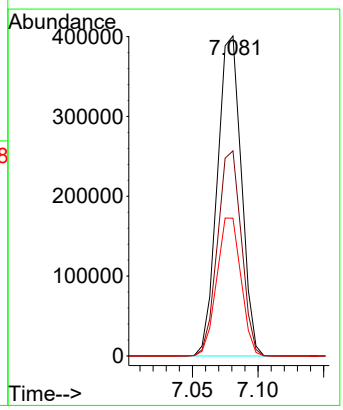
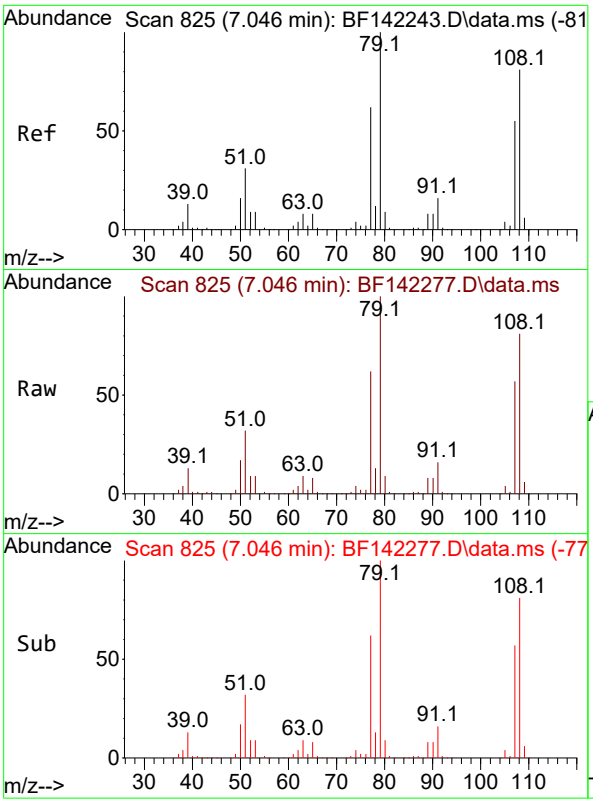


#14
1,2-Dichlorobenzene
Concen: 33.999 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:146 Resp: 509008

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
111	43.0	34.9	52.3





#15
Benzyl Alcohol
Concen: 39.044 ng
RT: 7.046 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 79 Resp: 44525

Ion	Ratio	Lower	Upper
79	100		
108	81.1	64.5	96.7
77	62.0	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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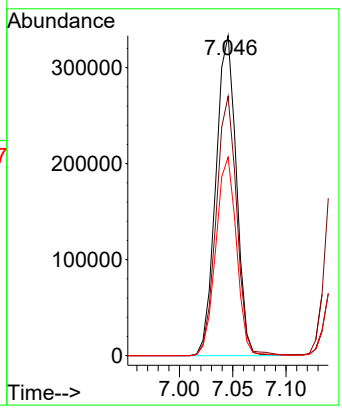
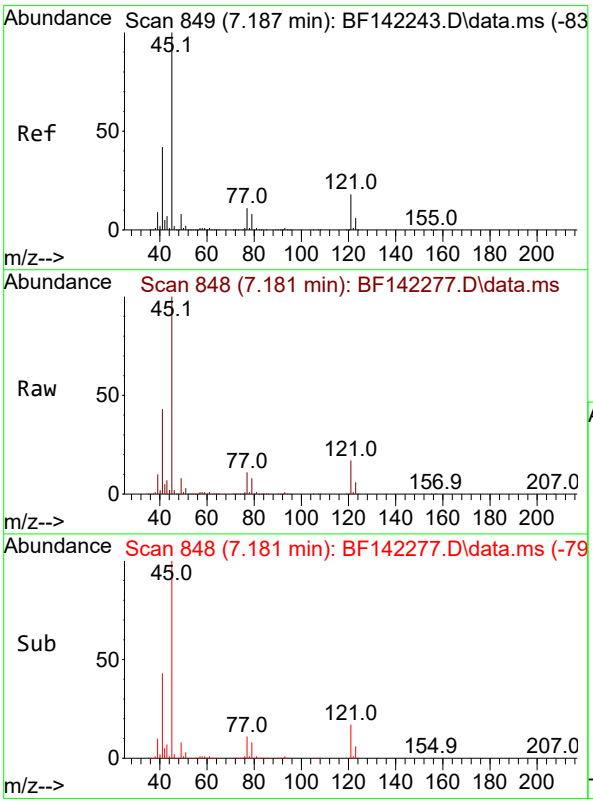
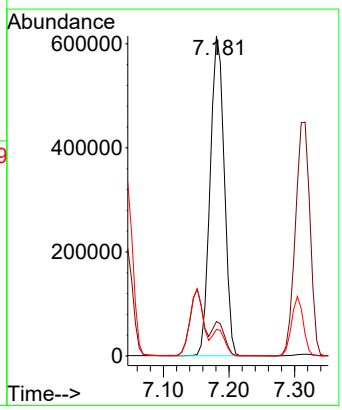


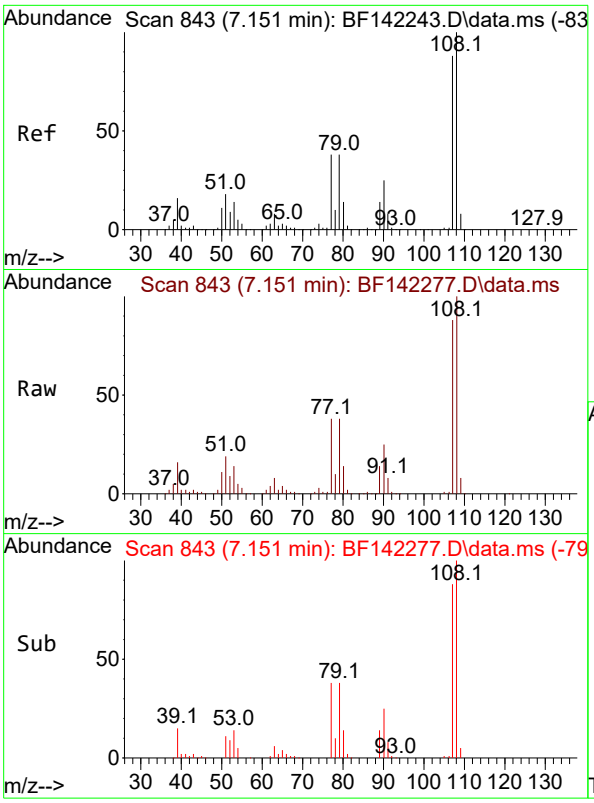


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.830 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 45 Resp: 916352

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.3
79	8.3	0.0	28.5

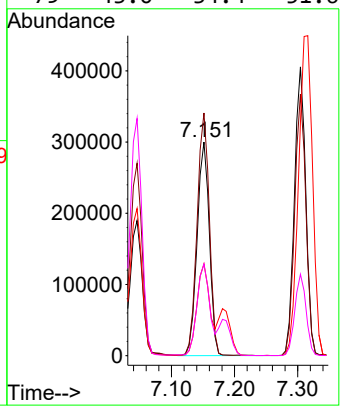




#17
2-Methylphenol
Concen: 35.777 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:107 Resp: 40326

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.0	34.4	51.6
79	43.0	34.4	51.6



Instrument :
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ClientSampleId :
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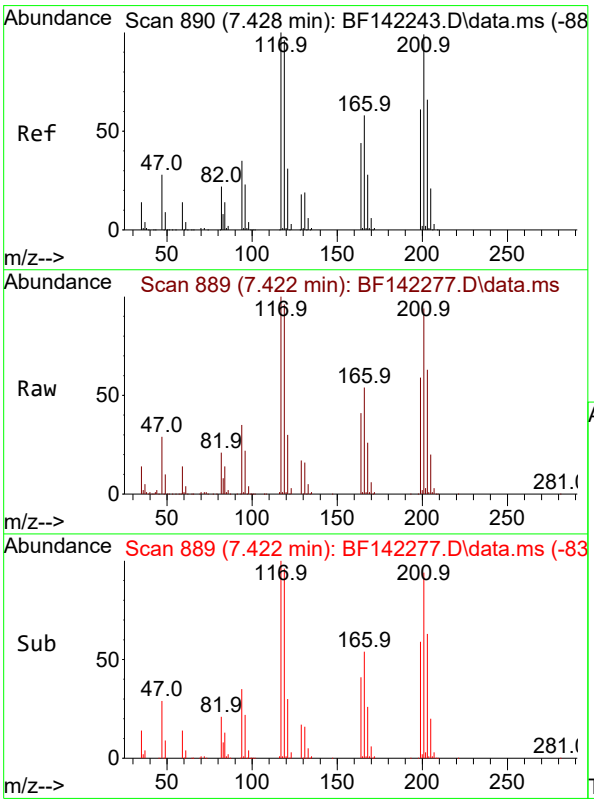
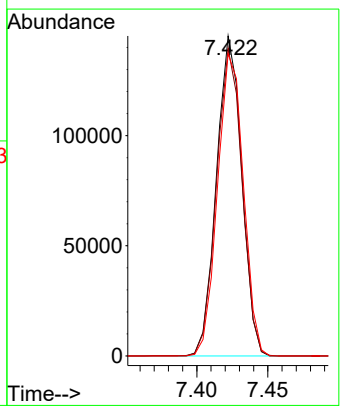
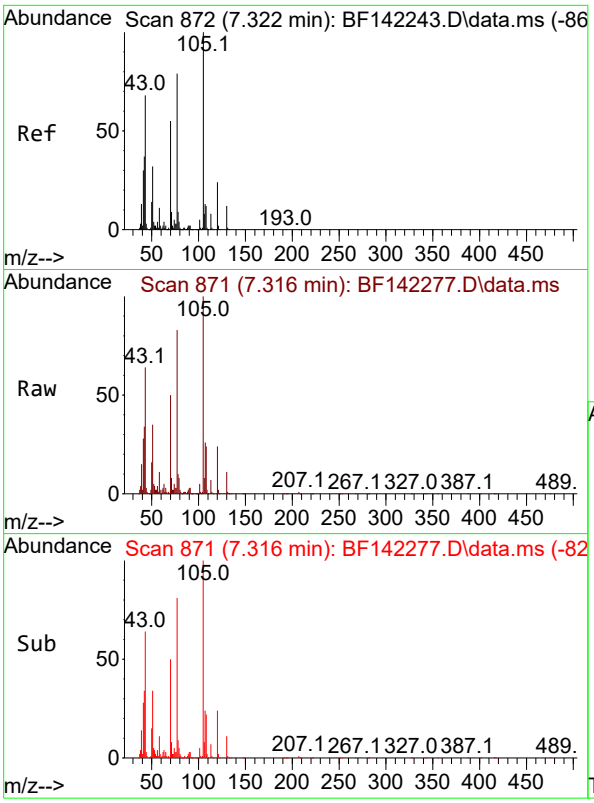


#18
Hexachloroethane
Concen: 35.075 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:117 Resp: 180036

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
201	94.4	79.4	119.2

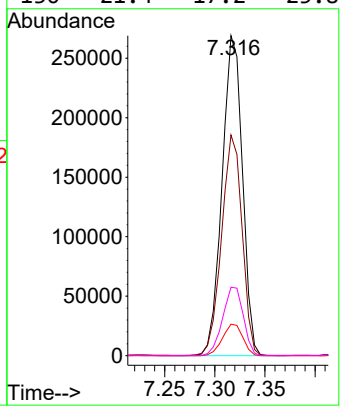




#19
n-Nitroso-di-n-propylamine
Concen: 38.168 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 70 Resp: 37924

Ion	Ratio	Lower	Upper
70	100		
42	69.0	53.4	80.2
101	9.9	7.7	11.5
130	21.4	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
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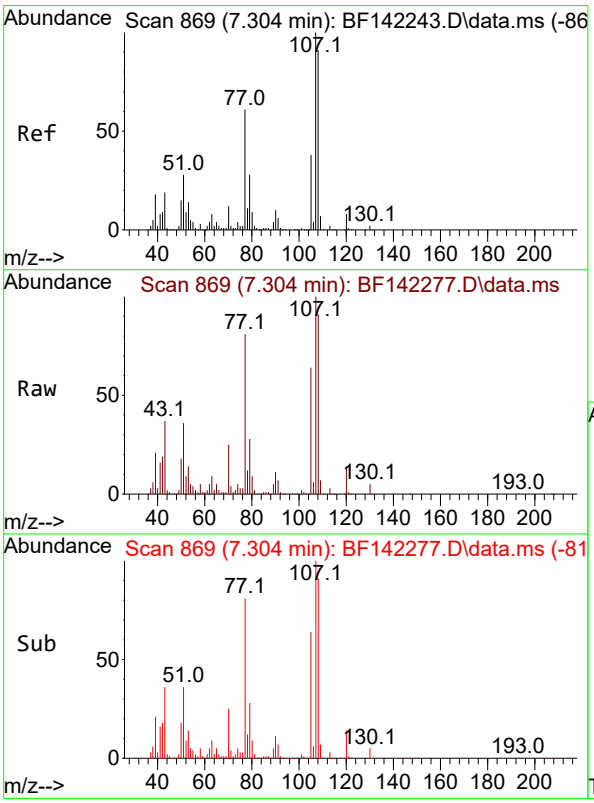
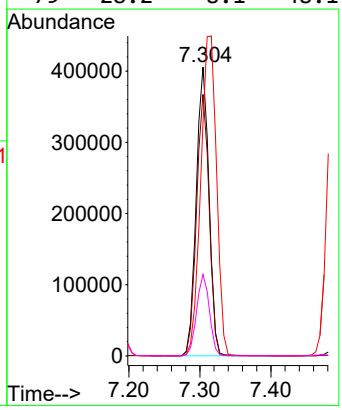
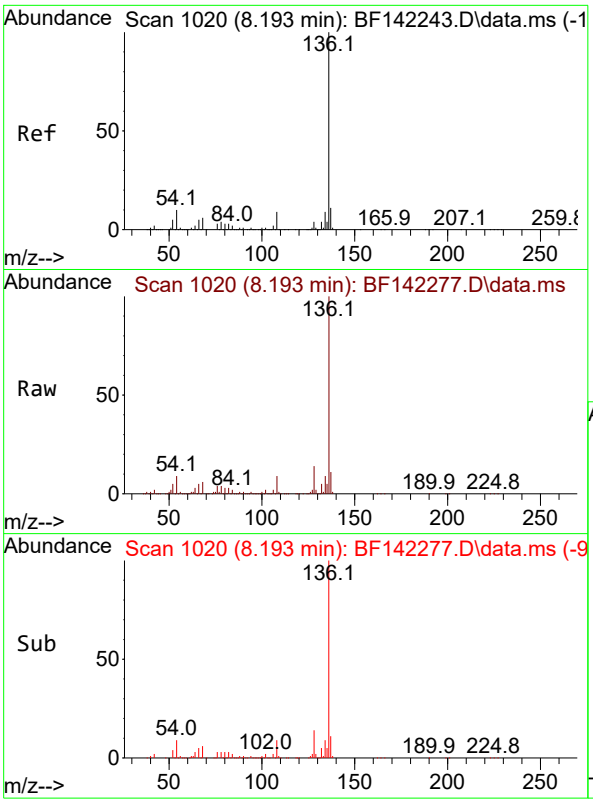


#20
3+4-Methylphenols
Concen: 36.077 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:107 Resp: 508536

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.2	111.2
77	80.7	41.1	81.1
79	28.2	8.1	48.1

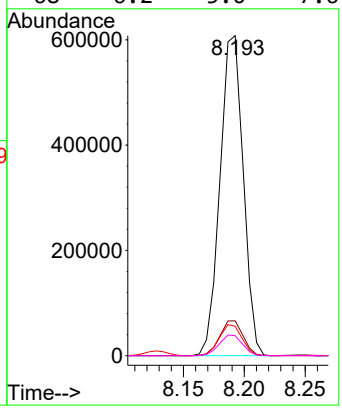




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:136 Resp: 80836

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.2	7.7	11.5
68	6.2	5.0	7.6



Instrument :
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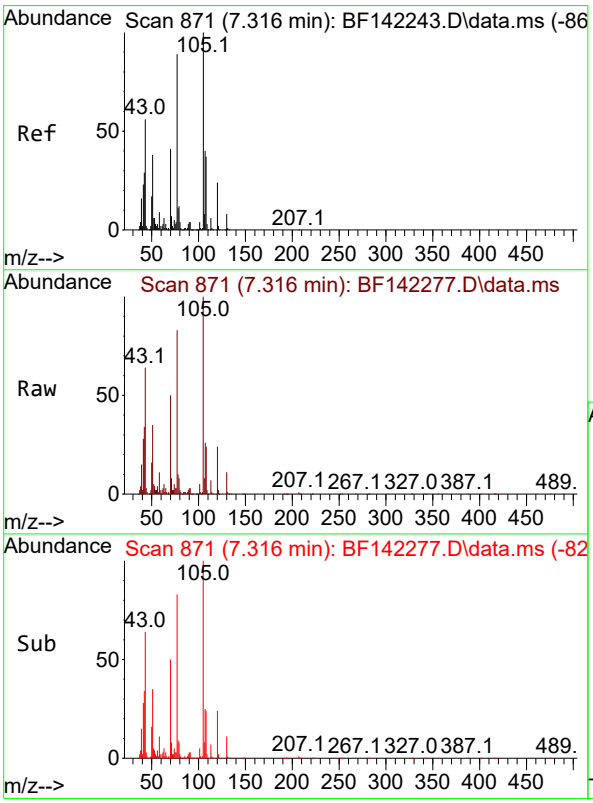
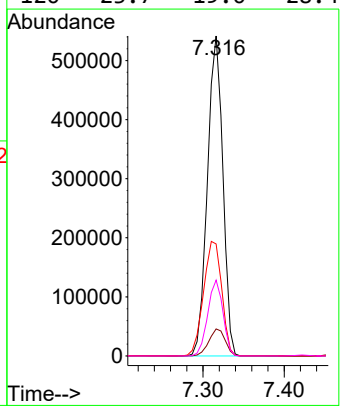
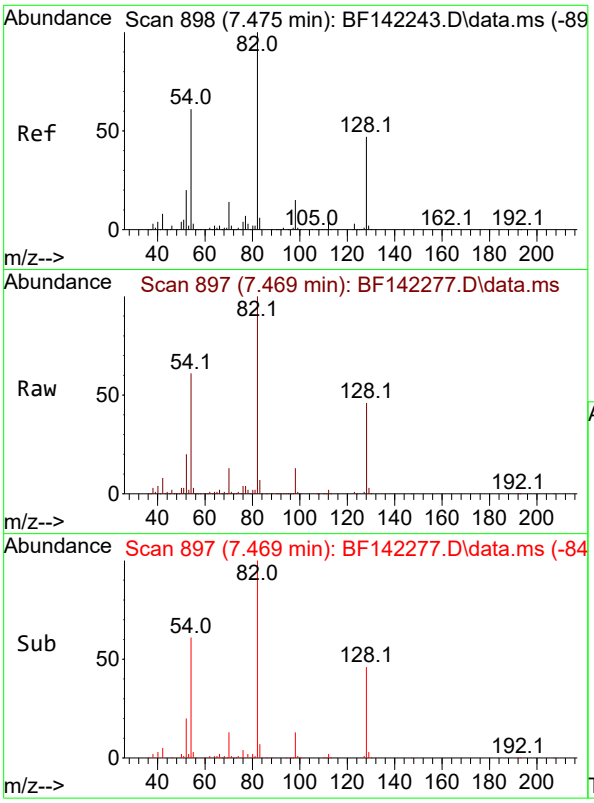


#22
Acetophenone
Concen: 38.195 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:105 Resp: 714285

Ion	Ratio	Lower	Upper
105	100		
71	8.5	5.7	8.5
51	35.0	30.1	45.1
120	23.7	19.0	28.4





#23
Nitrobenzene-d5
Concen: 84.012 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 82 Resp: 103371

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.0	55.6
54	60.7	48.0	72.0

Instrument :
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ClientSampleId :
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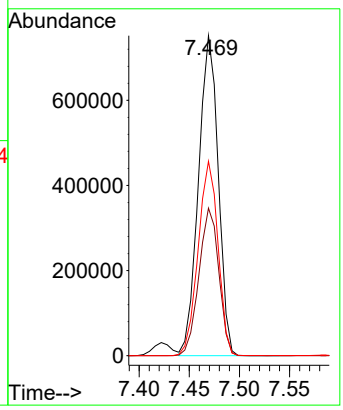
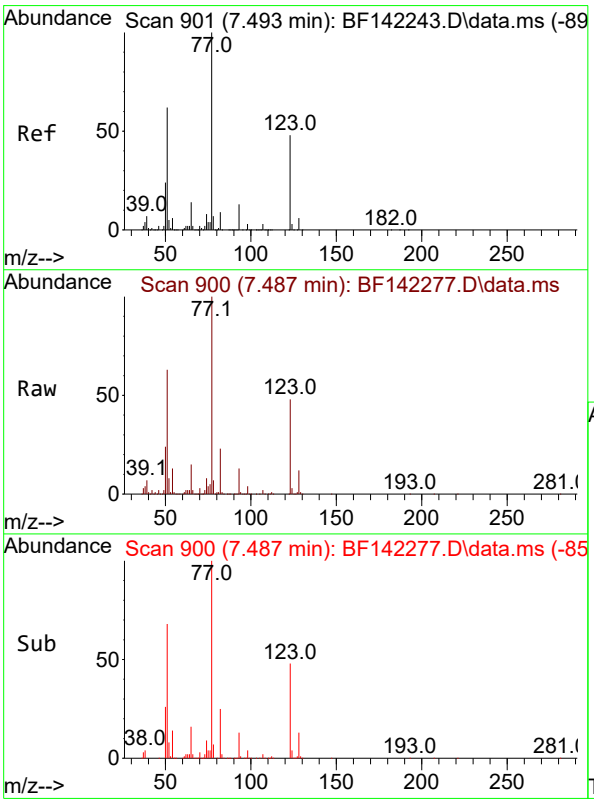
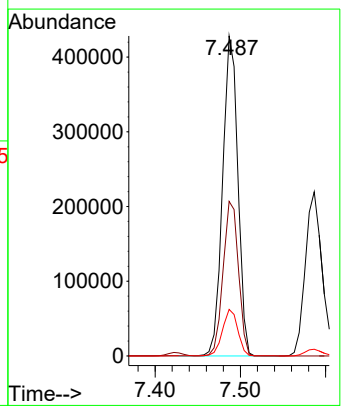


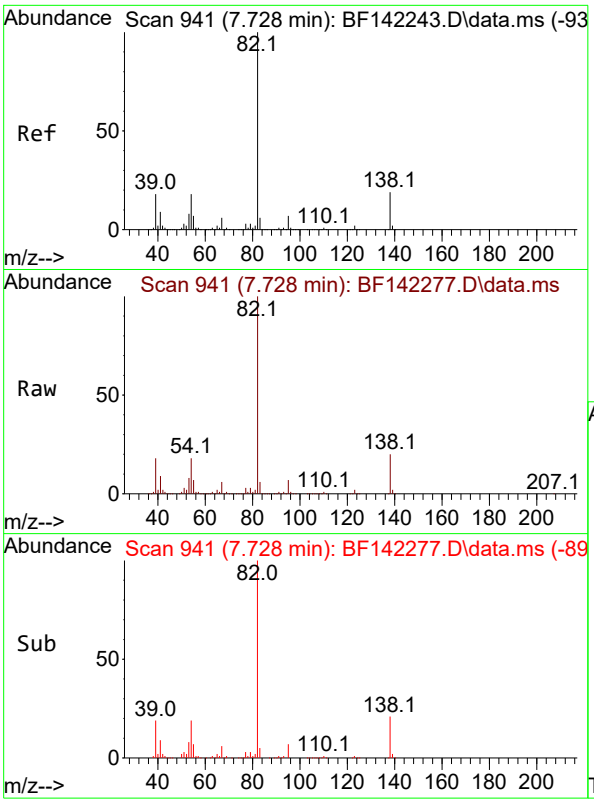


#24
Nitrobenzene
Concen: 44.068 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 77 Resp: 532026

Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.6	58.0
65	14.6	11.5	17.3





#25
Isophorone
Concen: 39.404 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 82 Resp: 101754

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	19.9	15.3	22.9

Instrument :
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ClientSampleId :
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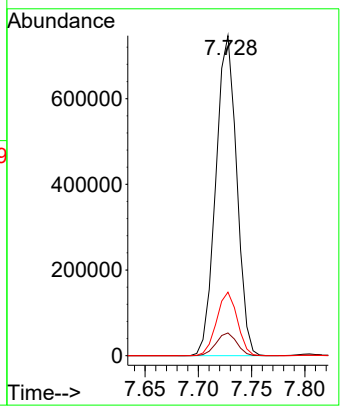
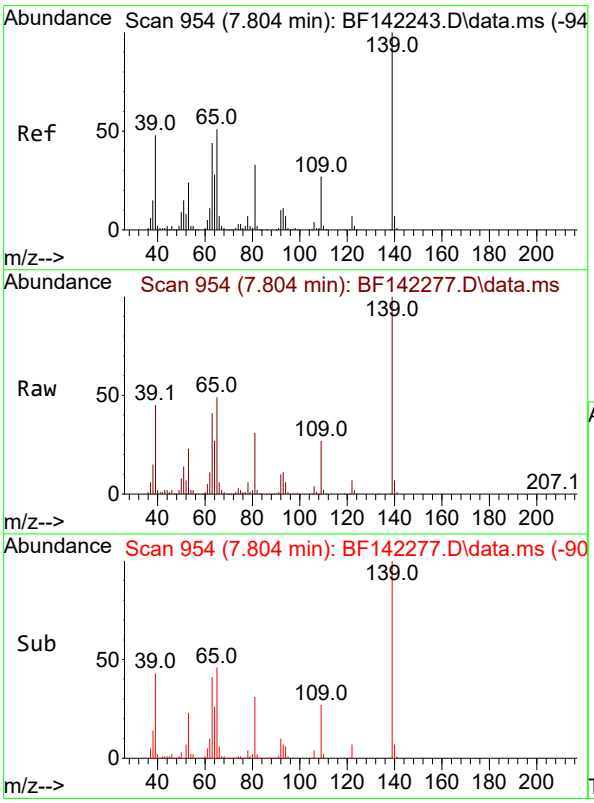
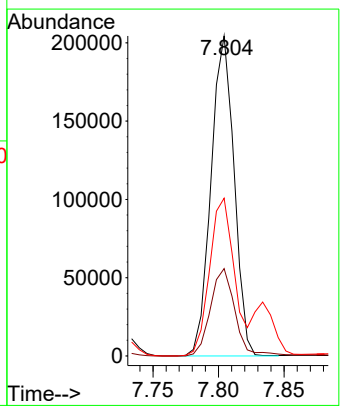


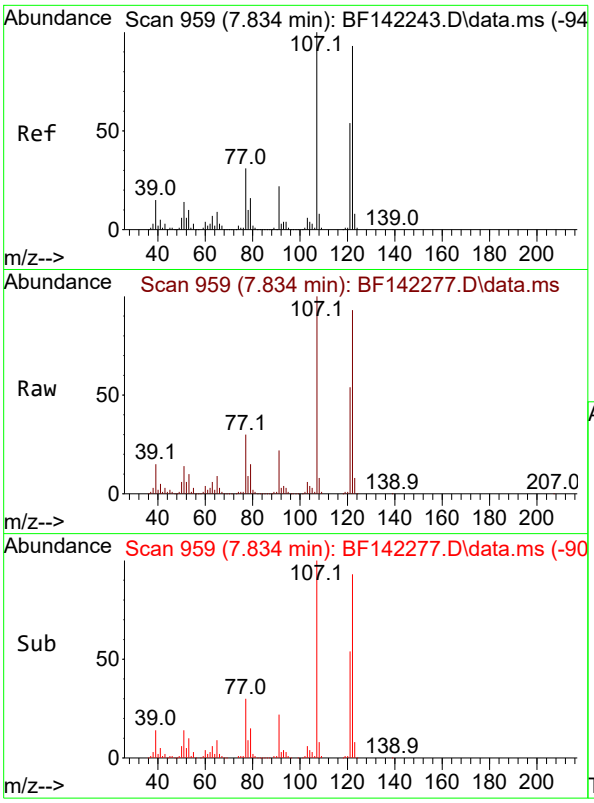


#26
2-Nitrophenol
Concen: 48.946 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:139 Resp: 249952

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.8	32.8
65	49.3	41.1	61.7





#27
2,4-Dimethylphenol
Concen: 35.787 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:122 Resp: 46593

Ion	Ratio	Lower	Upper
122	100		
107	107.3	86.0	129.0
121	57.6	46.3	69.5

Instrument :
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ClientSampleId :
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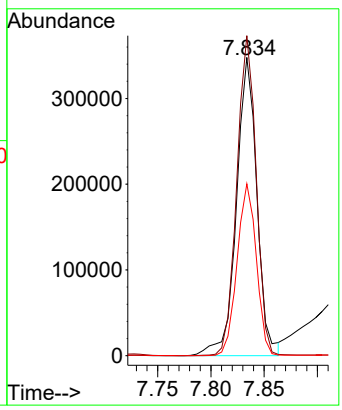
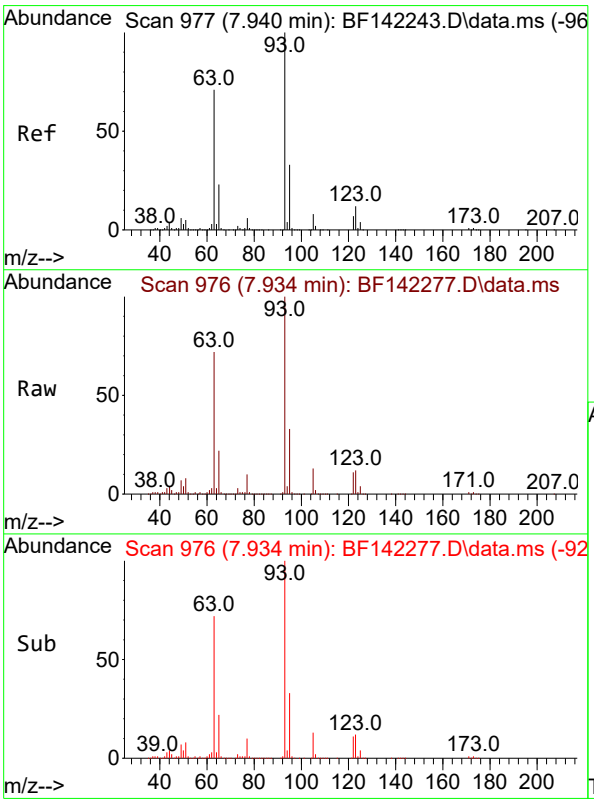
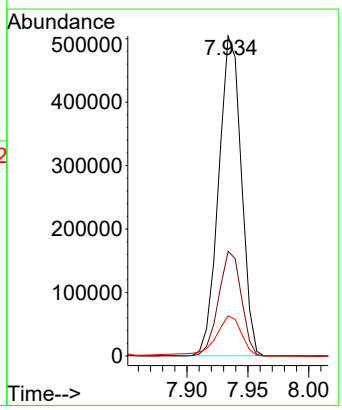


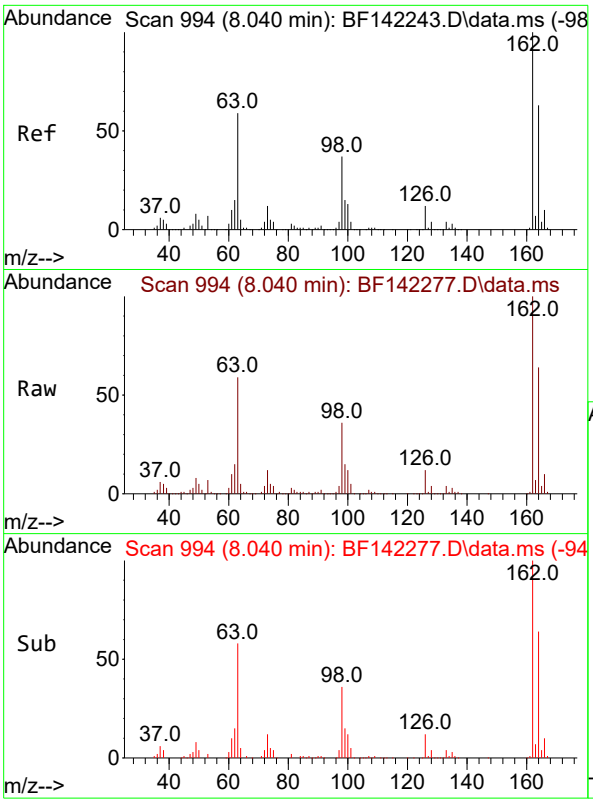


#28
bis(2-Chloroethoxy)methane
Concen: 40.114 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 93 Resp: 653302

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.5	9.7	14.5

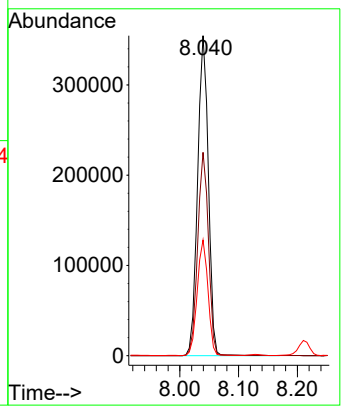




#29
2,4-Dichlorophenol
Concen: 41.390 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:162 Resp: 45054

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.0	83.0
98	36.1	16.7	56.7



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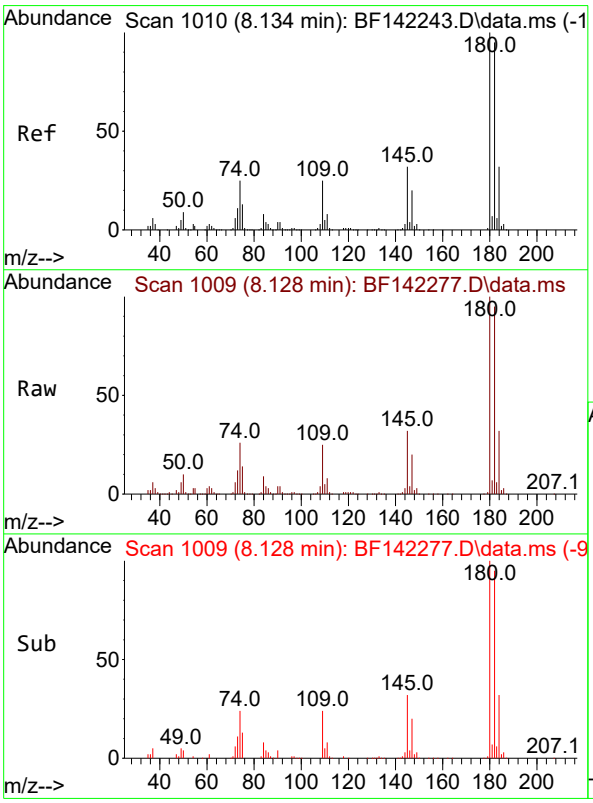
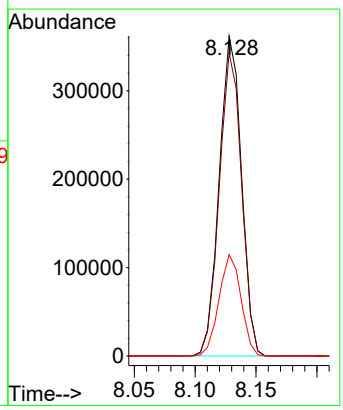
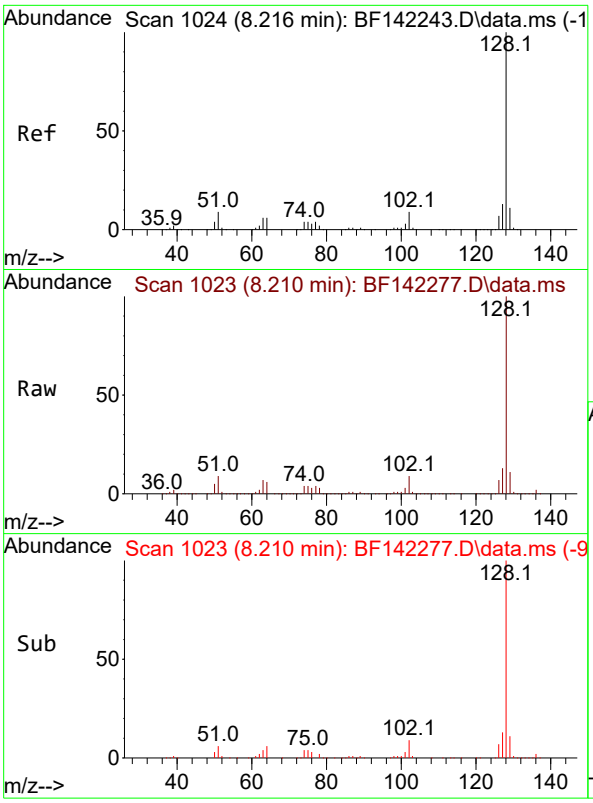


#30
1,2,4-Trichlorobenzene
Concen: 37.902 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:180 Resp: 460388

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.7	113.5
145	31.6	25.4	38.0





#31
Naphthalene
Concen: 37.582 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:128 Resp: 151506

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
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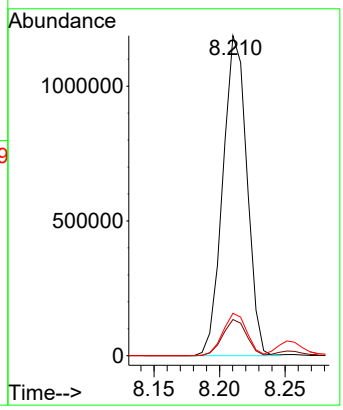
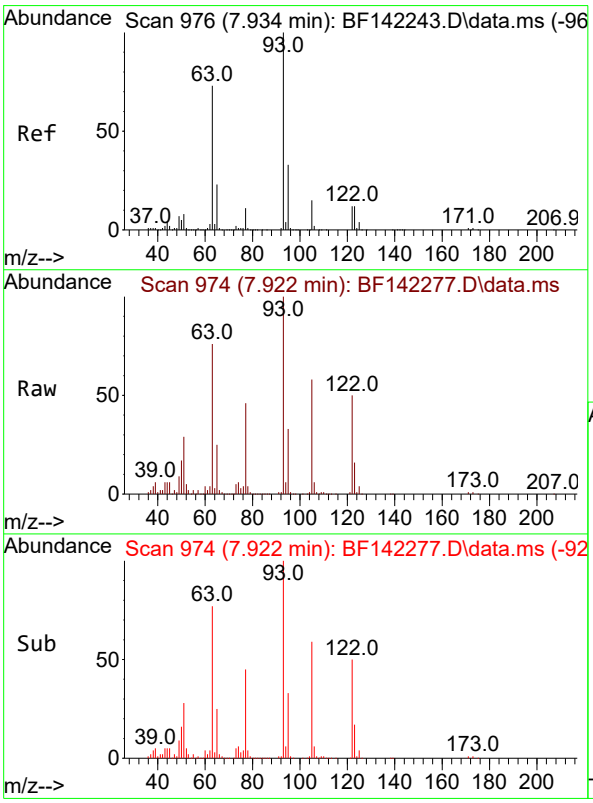
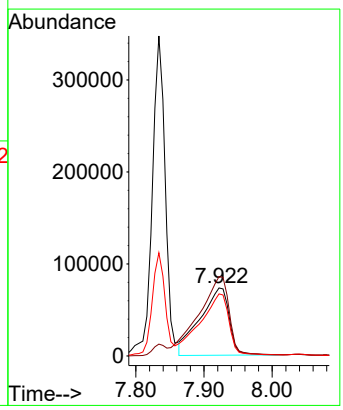


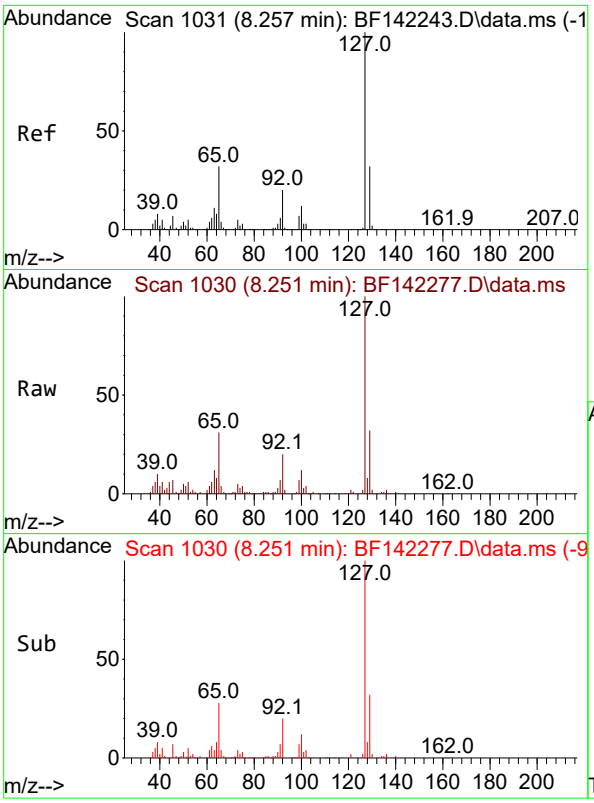


#32
Benzoic acid
Concen: 37.981 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.012 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:122 Resp: 217267

Ion	Ratio	Lower	Upper
122	100		
105	116.5	98.2	138.2
77	91.2	66.8	106.8

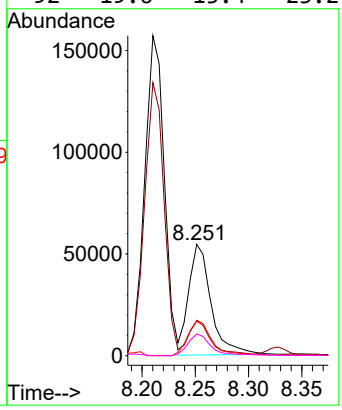




#33
4-Chloroaniline
Concen: 4.754 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:127 Resp: 7979

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	31.0	25.5	38.3
92	19.6	15.4	23.2



Instrument :
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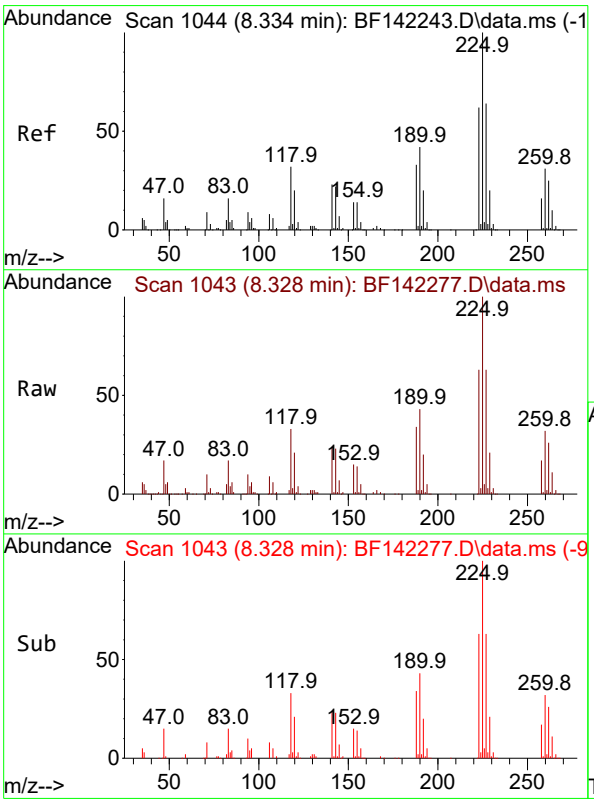
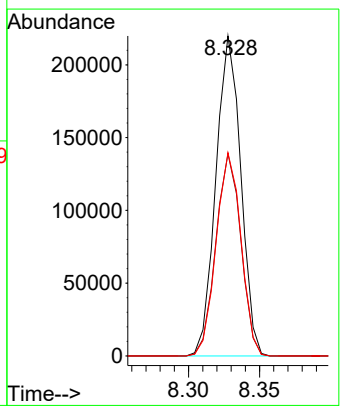
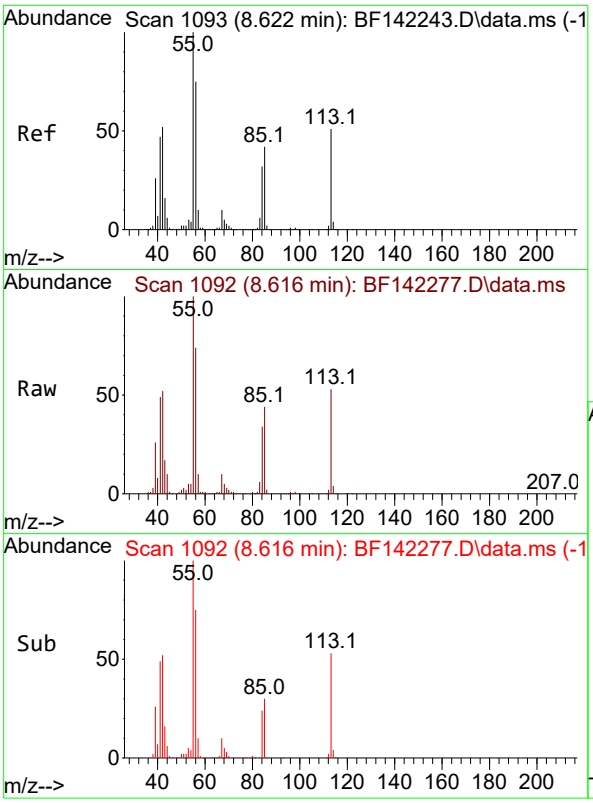


#34
Hexachlorobutadiene
Concen: 37.794 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:225 Resp: 267842

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.7	74.5
227	63.5	51.0	76.4





#35
Caprolactam
Concen: 34.992 ng m
RT: 8.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:113 Resp: 11448

Ion	Ratio	Lower	Upper
113	100		
55	188.8	177.7	217.7
56	140.2	127.1	167.1

Instrument :
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ClientSampleId :
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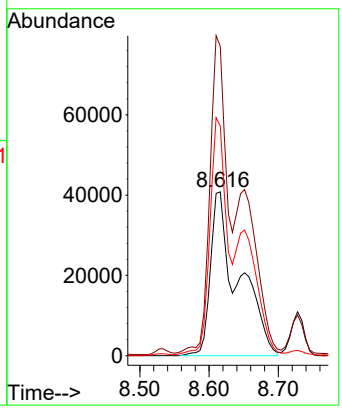
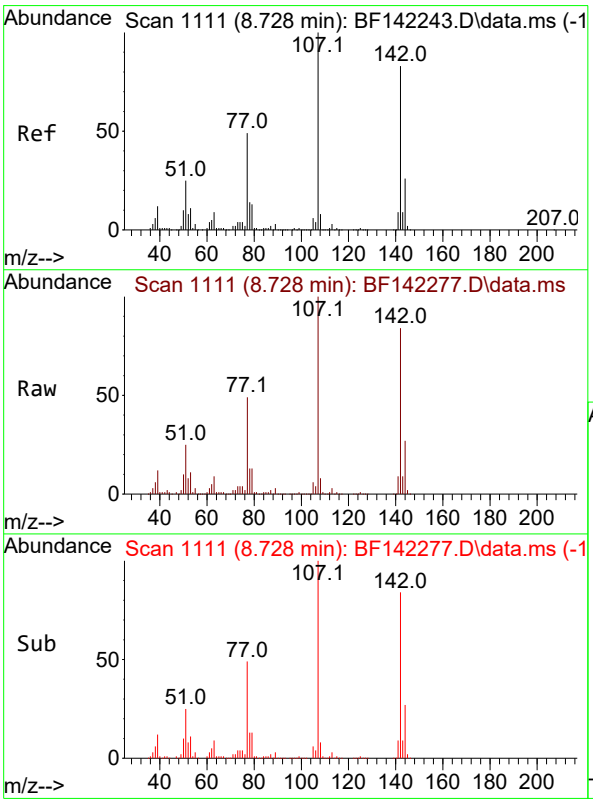
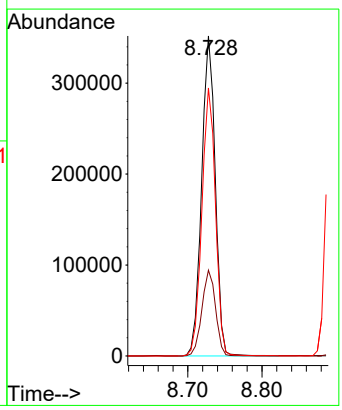


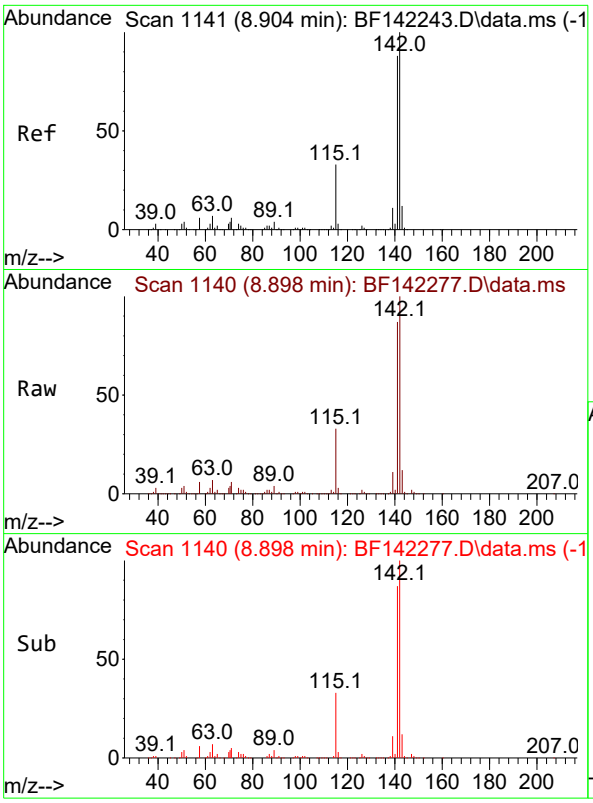


#36
4-Chloro-3-methylphenol
Concen: 40.260 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:107 Resp: 450003

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.0	31.4
142	83.8	66.1	99.1





#37
2-Methylnaphthalene
Concen: 38.934 ng
RT: 8.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:142 Resp: 96502

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.5	105.7

Instrument :
BNA_F
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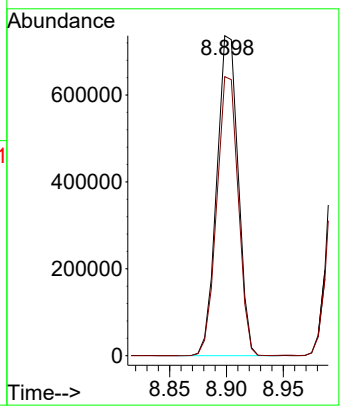
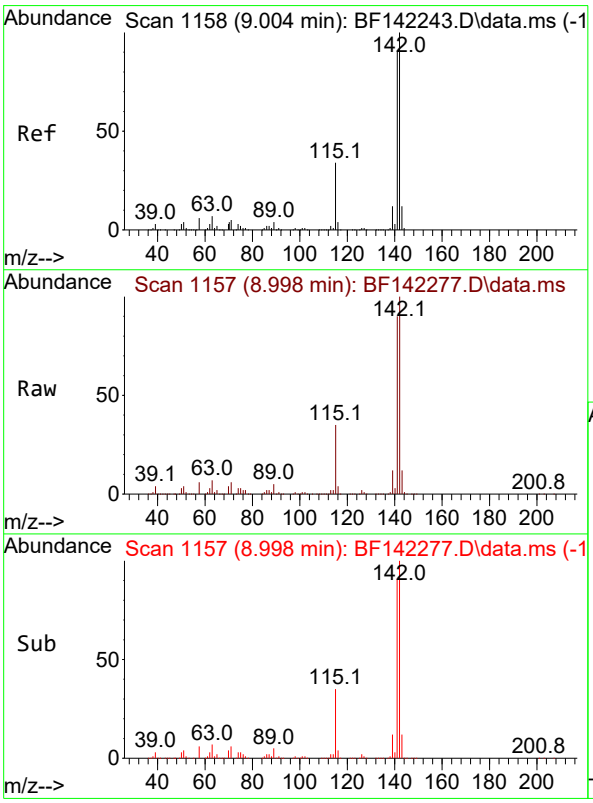
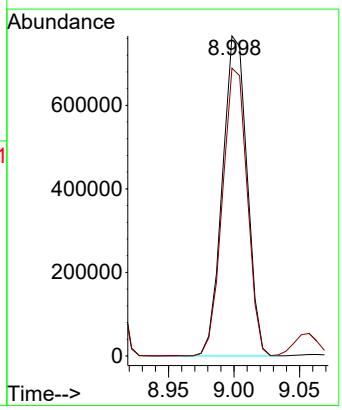


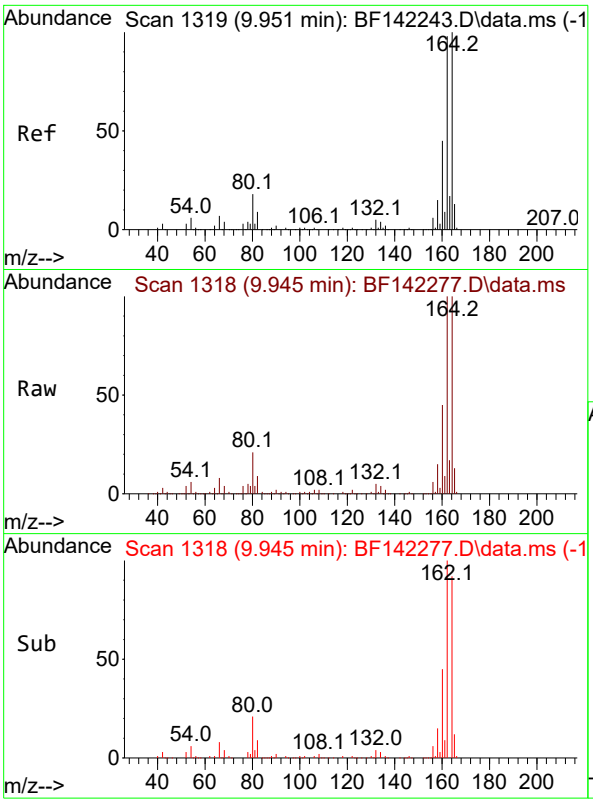


#38
1-Methylnaphthalene
Concen: 39.008 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:142 Resp: 1001608

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.8	109.2

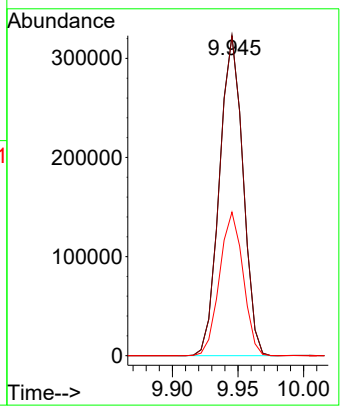




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:164 Resp: 40205

Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.6	117.8
160	44.9	35.7	53.5



Instrument :
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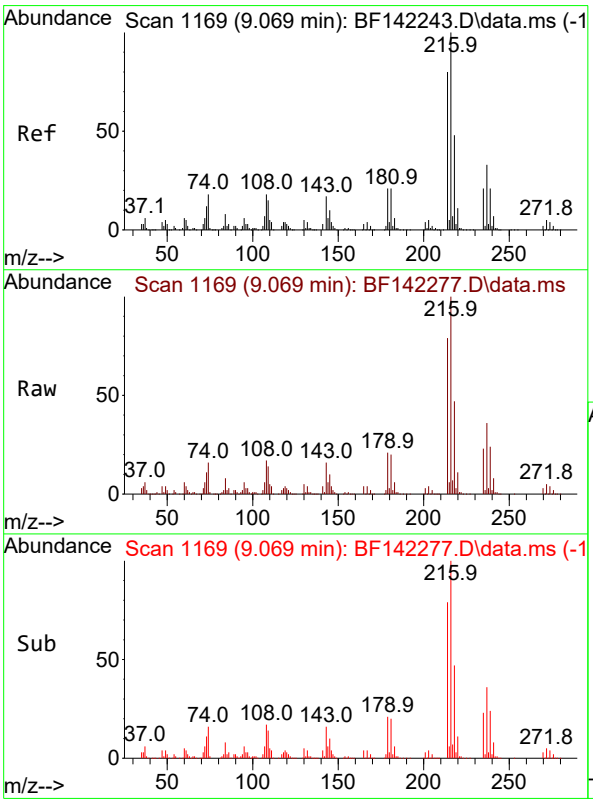
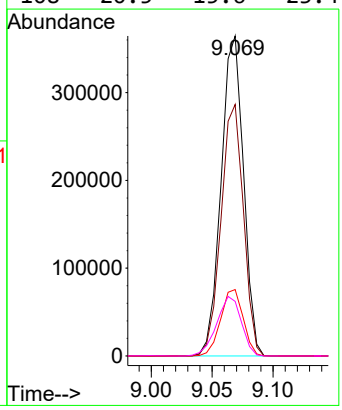
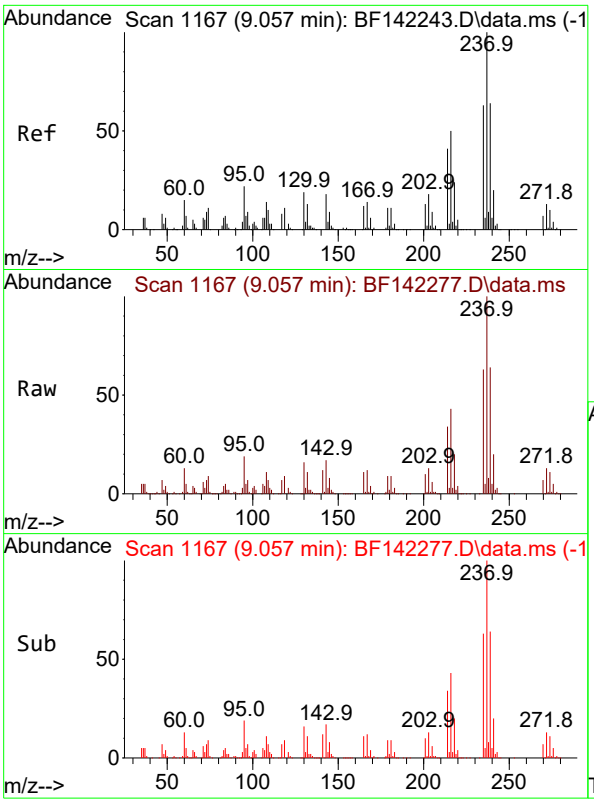


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.212 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:216 Resp: 466320

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	20.9	16.7	25.1
108	20.5	15.6	23.4

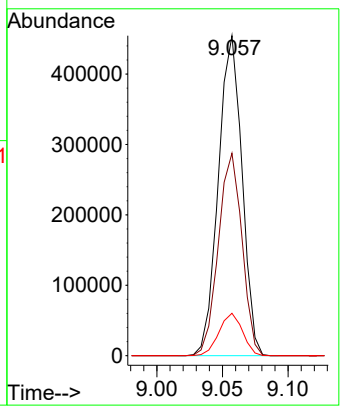




#41
Hexachlorocyclopentadiene
Concen: 88.811 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:237 Resp: 57033

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.5	83.5
272	13.2	0.0	32.9



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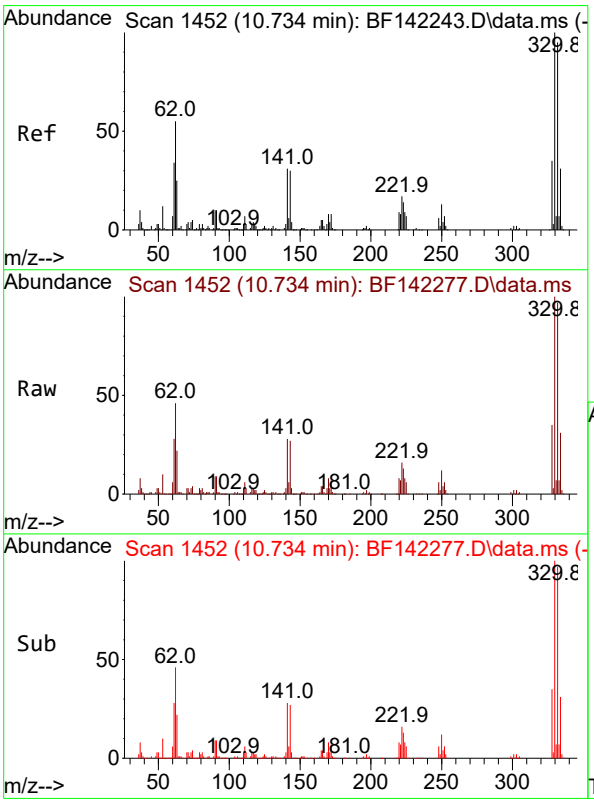
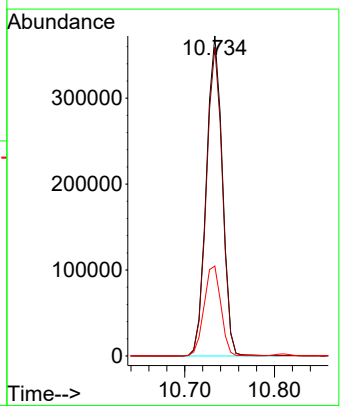
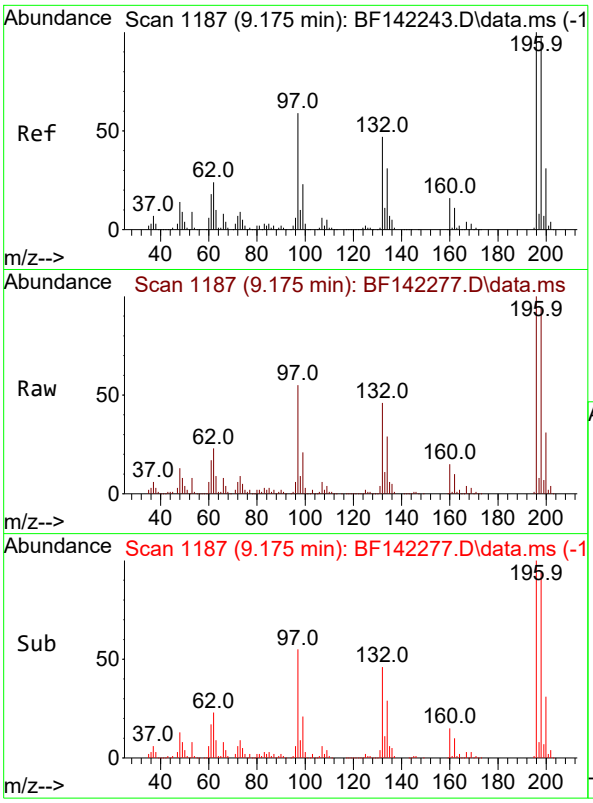


#42
2,4,6-Tribromophenol
Concen: 126.149 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:330 Resp: 462379

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.5	114.7
141	29.6	24.3	36.5

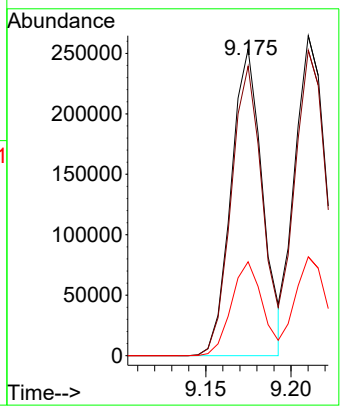




#43
2,4,6-Trichlorophenol
Concen: 46.517 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:196 Resp: 32616

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.4	116.2
200	30.6	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
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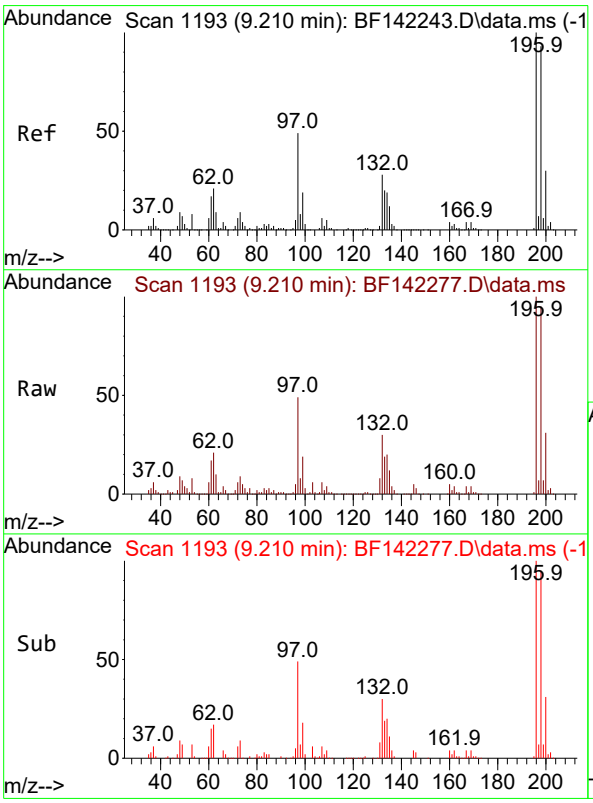
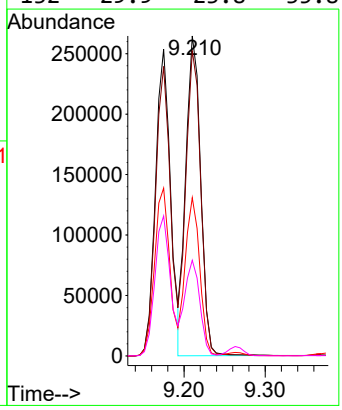
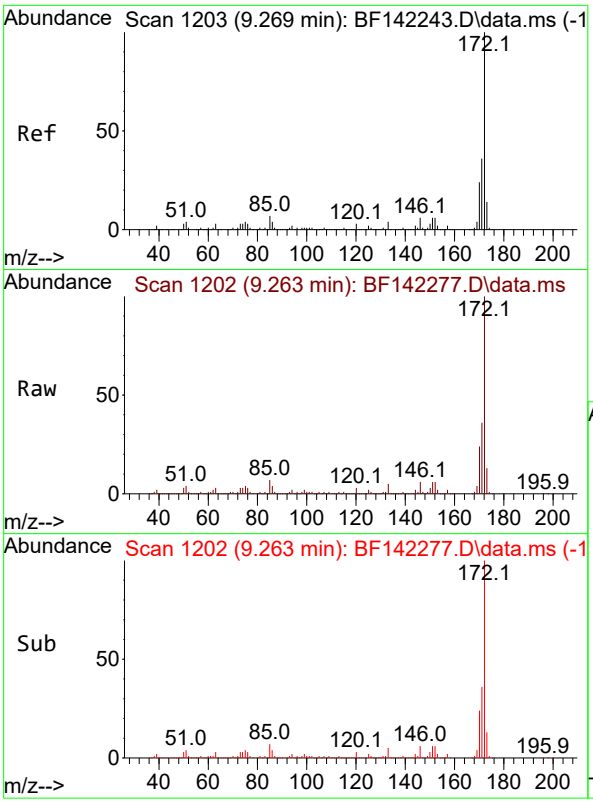


#44
2,4,5-Trichlorophenol
Concen: 45.616 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:196 Resp: 336279

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.2	112.8
97	49.4	39.8	59.8
132	29.9	23.8	35.8

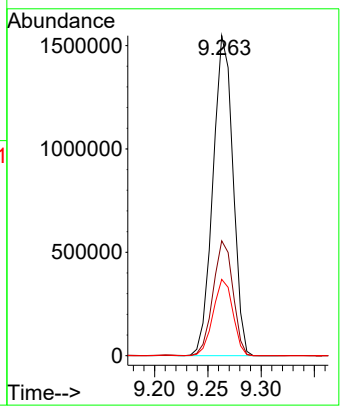




#45
2-Fluorobiphenyl
Concen: 70.728 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:172 Resp: 201686

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.8	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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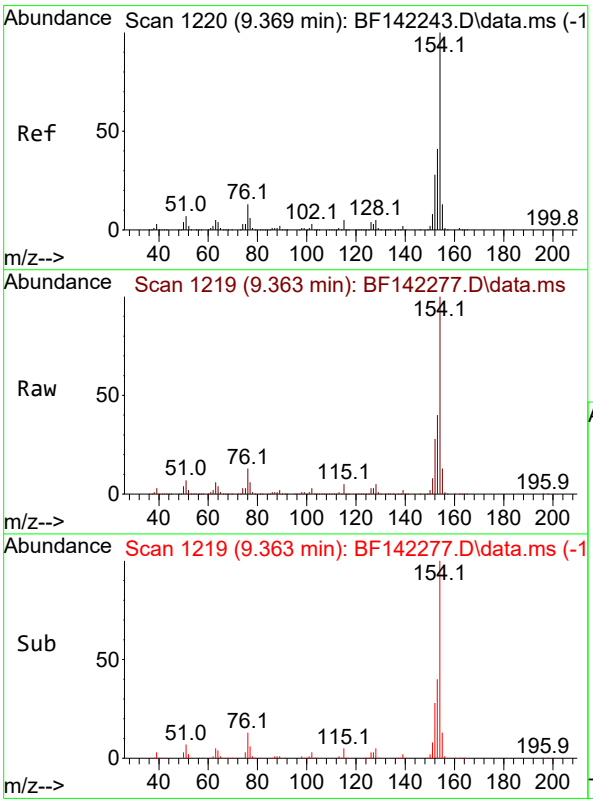
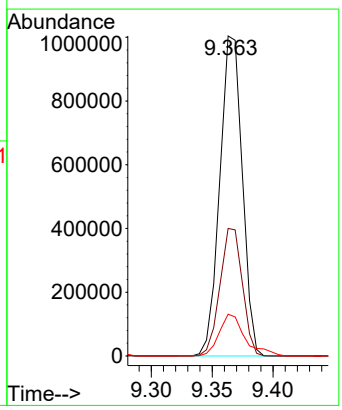
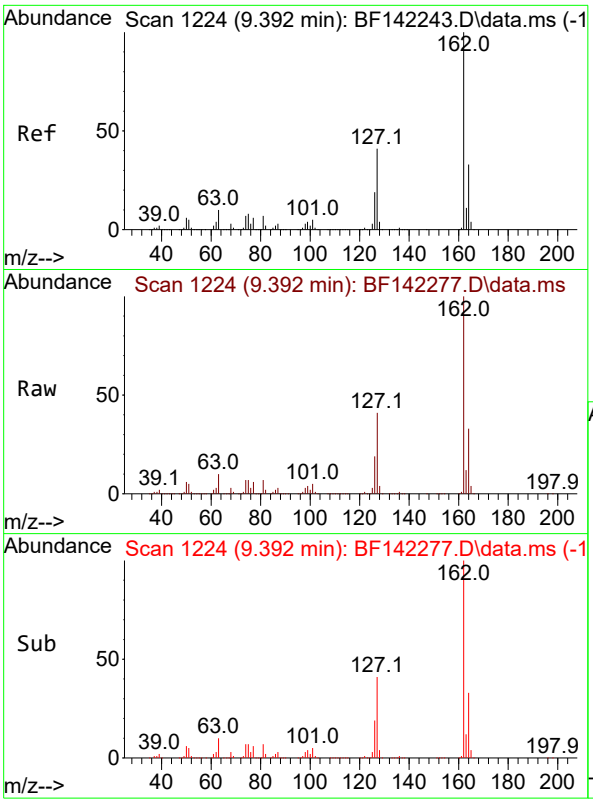


#46
1,1'-Biphenyl
Concen: 41.337 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:154 Resp: 1292053

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.5	60.5
76	13.1	0.0	32.8

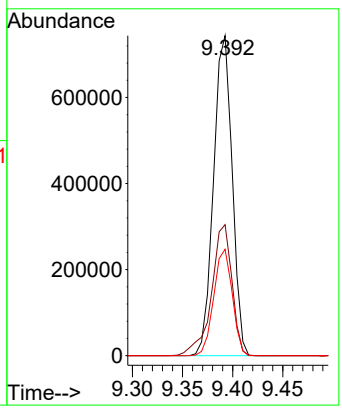




#47
2-Chloronaphthalene
Concen: 41.296 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:162 Resp: 96034

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.6	49.0
164	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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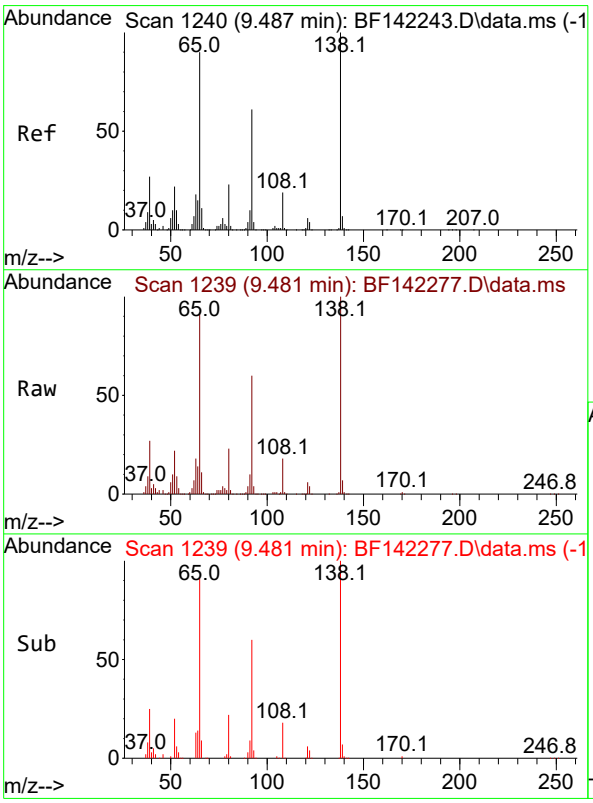
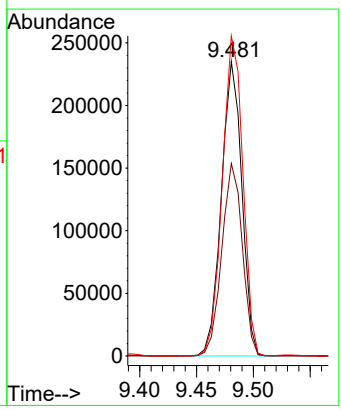
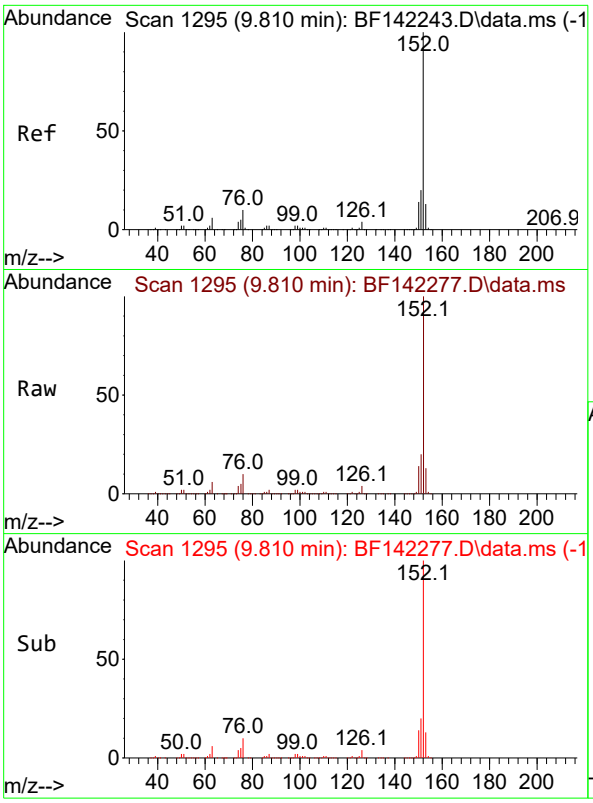


#48
2-Nitroaniline
Concen: 48.035 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion: 65 Resp: 294596

Ion	Ratio	Lower	Upper
65	100		
92	65.4	54.3	81.5
138	108.7	88.6	133.0

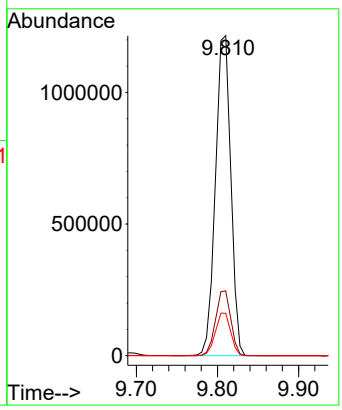




#49
Acenaphthylene
Concen: 40.923 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:152 Resp: 160588

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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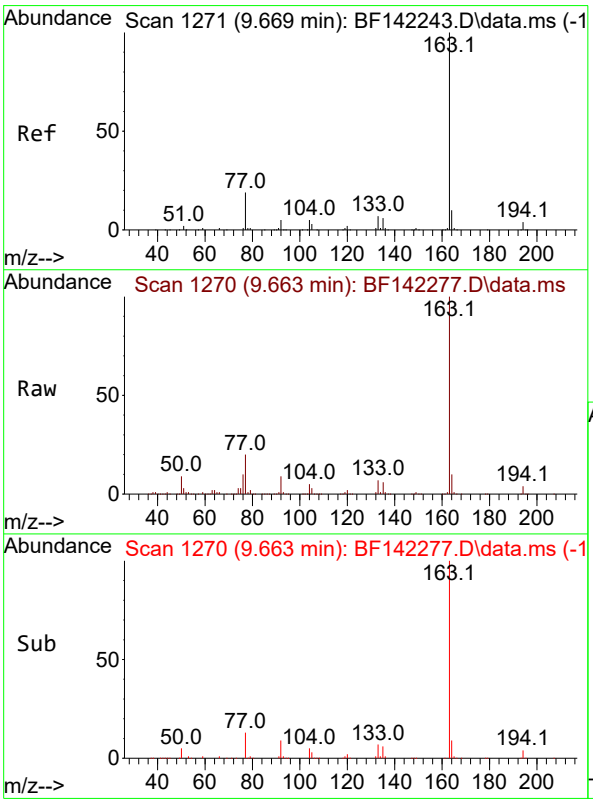
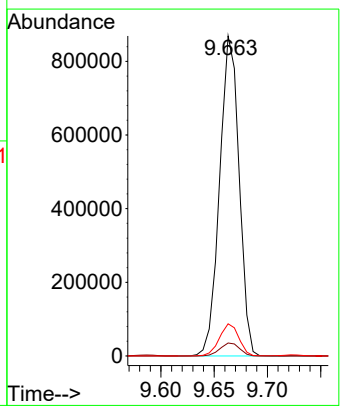
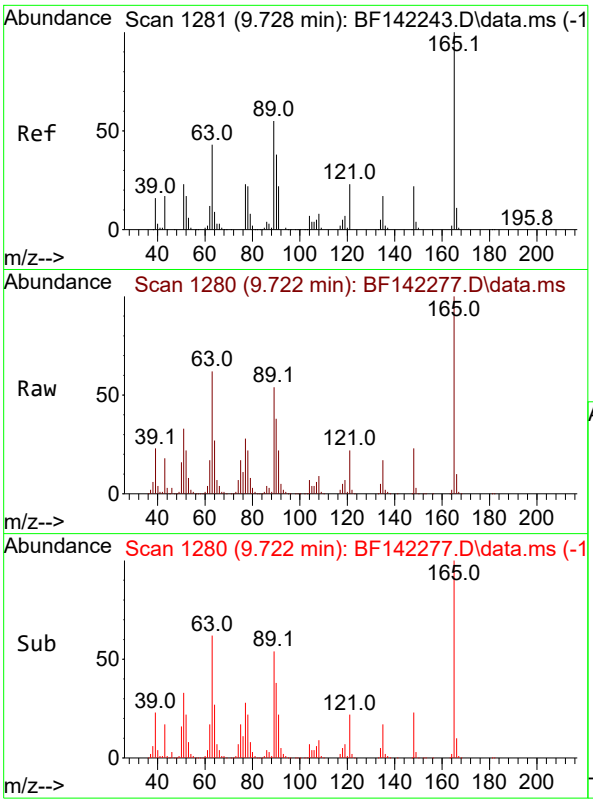


#50
Dimethylphthalate
Concen: 42.957 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:163 Resp: 1104923

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 46.839 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:165 Resp: 23055

Ion	Ratio	Lower	Upper
165	100		
63	62.0	48.5	72.7
89	54.3	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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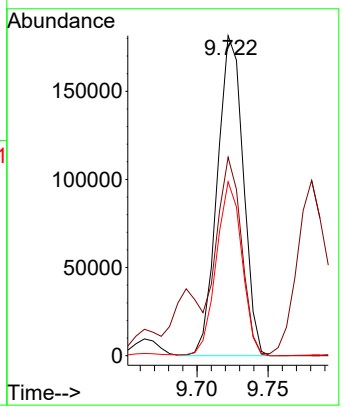
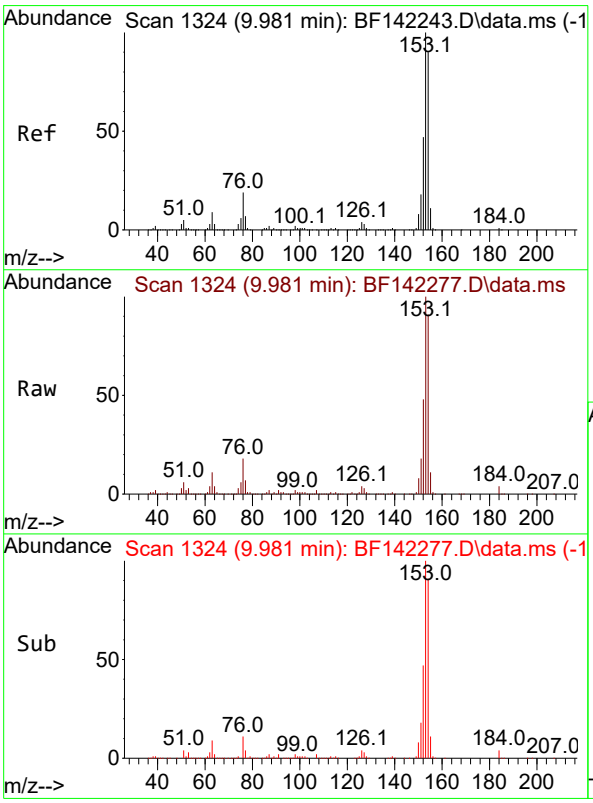
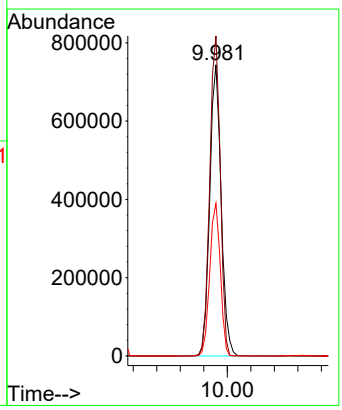


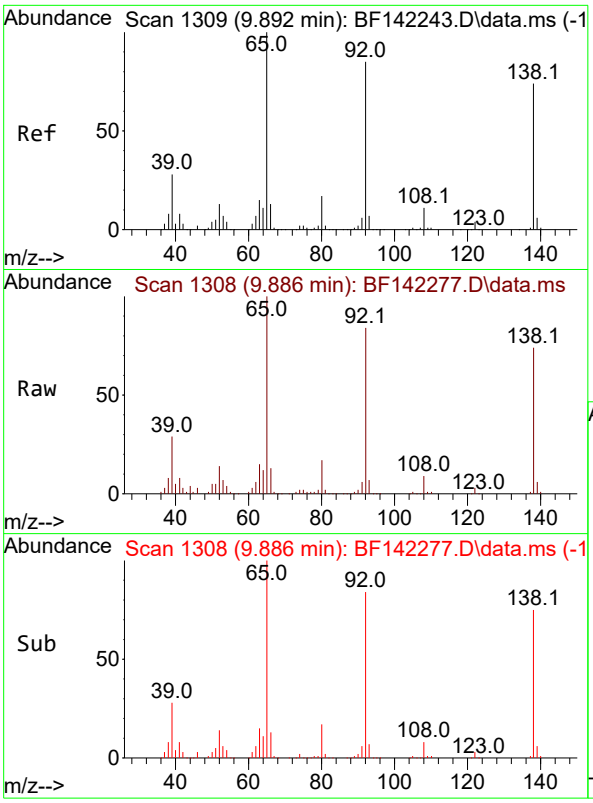


#52
Acenaphthene
Concen: 43.682 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:154 Resp: 1000886

Ion	Ratio	Lower	Upper
154	100		
153	109.9	88.6	133.0
152	52.4	42.1	63.1





#53
3-Nitroaniline
Concen: 17.726 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:138 Resp: 9345

Ion	Ratio	Lower	Upper
138	100		
108	11.7	11.7	17.5
92	113.0	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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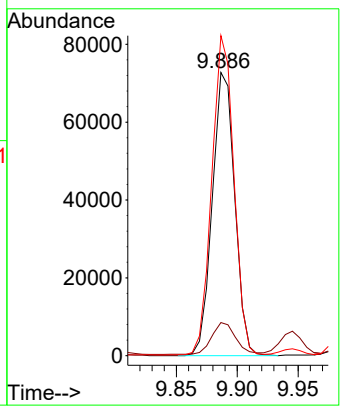
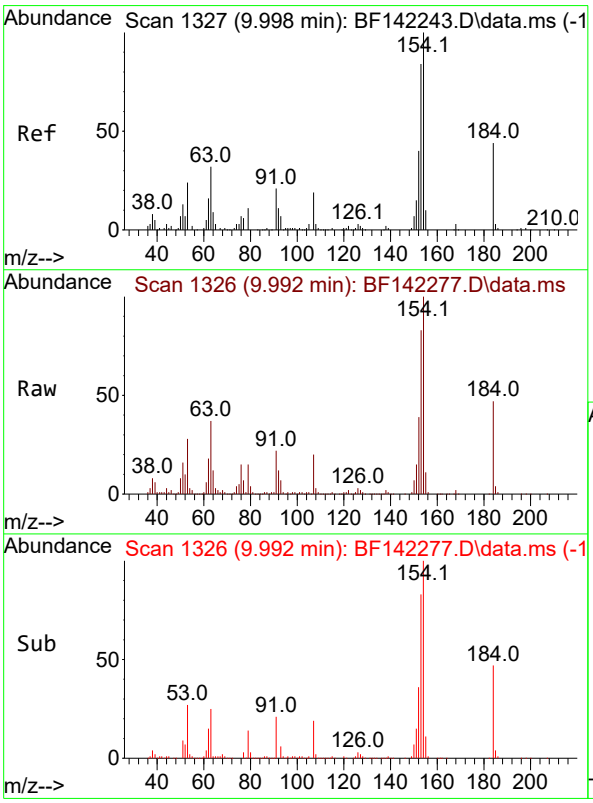
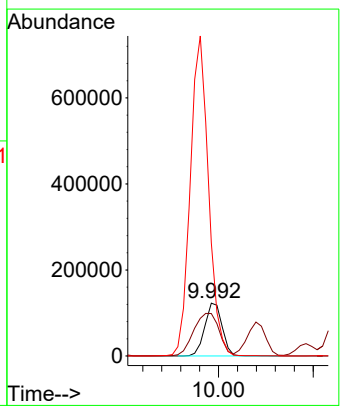


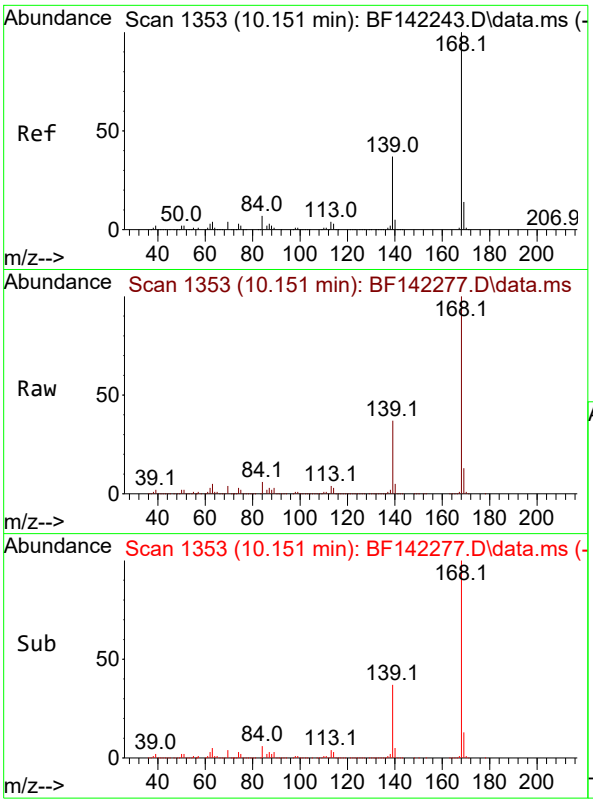


#54
2,4-Dinitrophenol
Concen: 86.643 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:184 Resp: 156192

Ion	Ratio	Lower	Upper
184	100		
63	80.1	69.2	103.8
154	214.0	271.4	407.2#

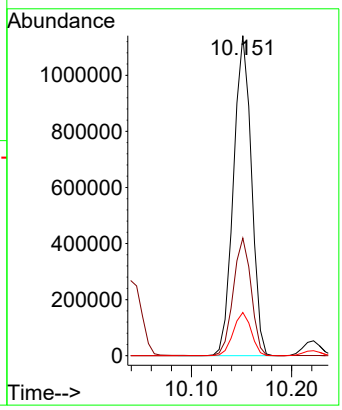




#55
Dibenzofuran
Concen: 41.350 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:168 Resp: 142025

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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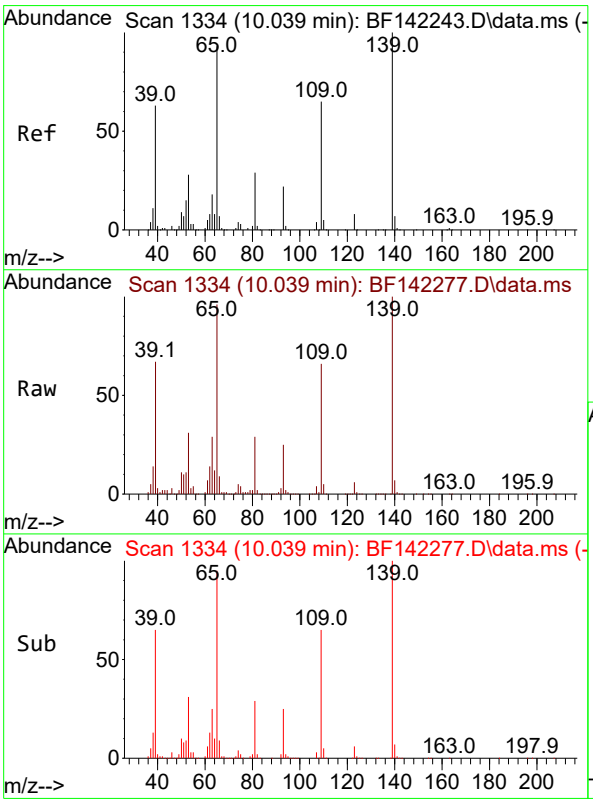
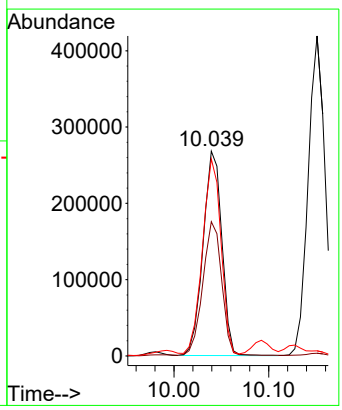
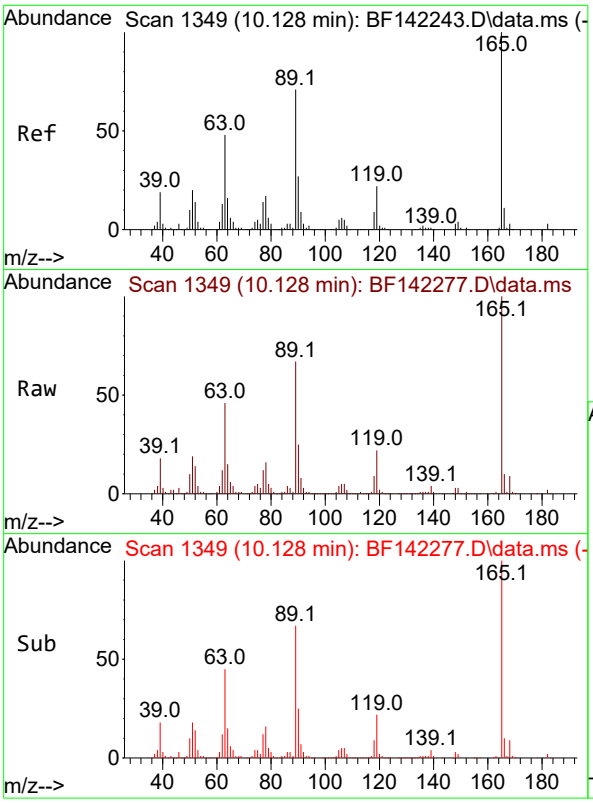


#56
4-Nitrophenol
Concen: 91.443 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:139 Resp: 369705

Ion	Ratio	Lower	Upper
139	100		
109	65.6	44.9	84.9
65	96.2	74.7	114.7

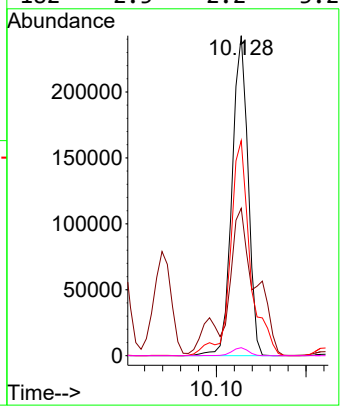




#57
2,4-Dinitrotoluene
Concen: 50.164 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:165 Resp: 30110

Ion	Ratio	Lower	Upper
165	100		
63	46.0	38.8	58.2
89	67.2	57.1	85.7
182	2.5	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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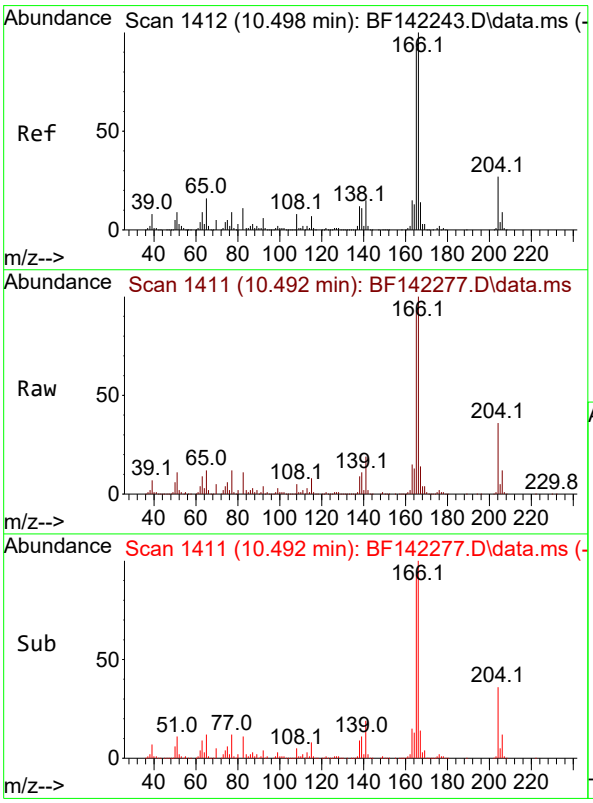
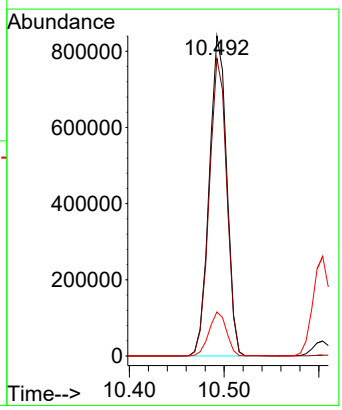
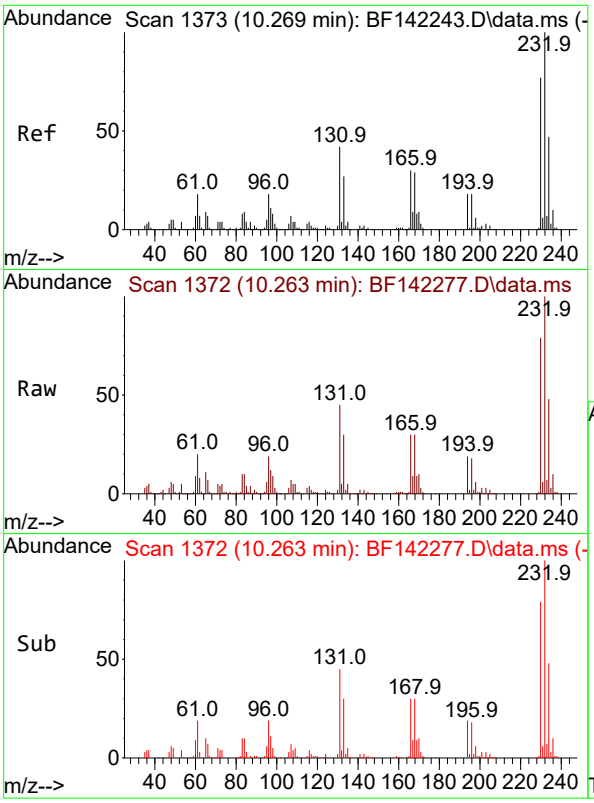


#58
Fluorene
Concen: 41.007 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:166 Resp: 1070926

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.7	10.8	16.2

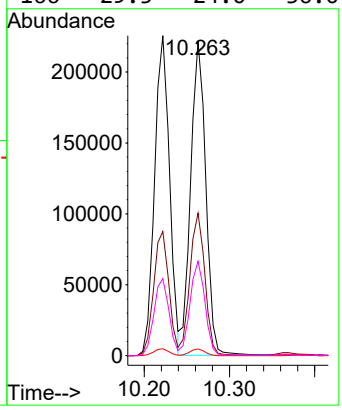




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.776 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:232 Resp: 27342

Ion	Ratio	Lower	Upper
232	100		
131	45.5	35.9	53.9
130	2.1	1.8	2.6
166	29.5	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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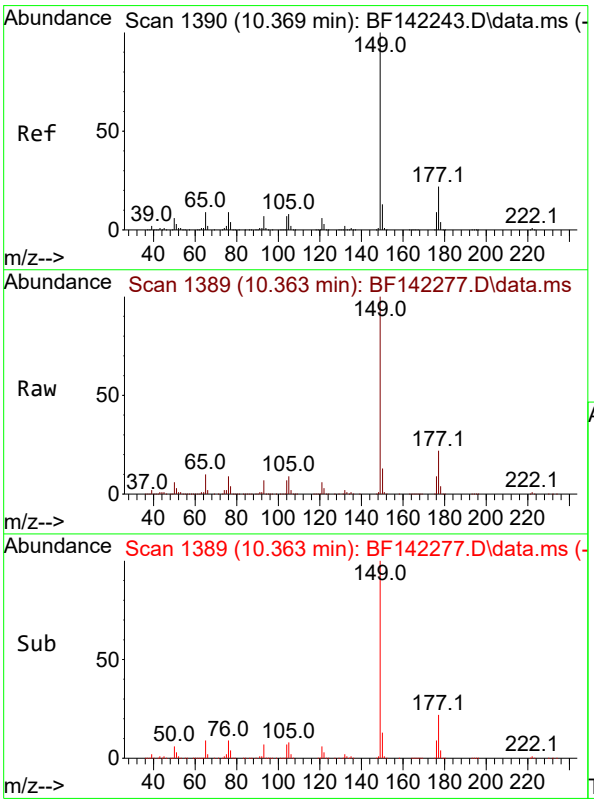
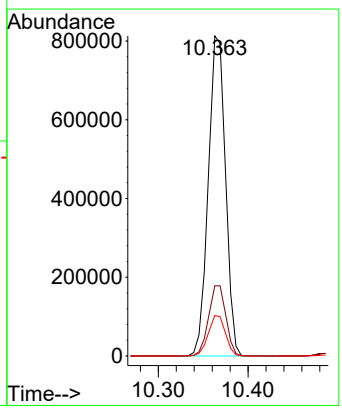
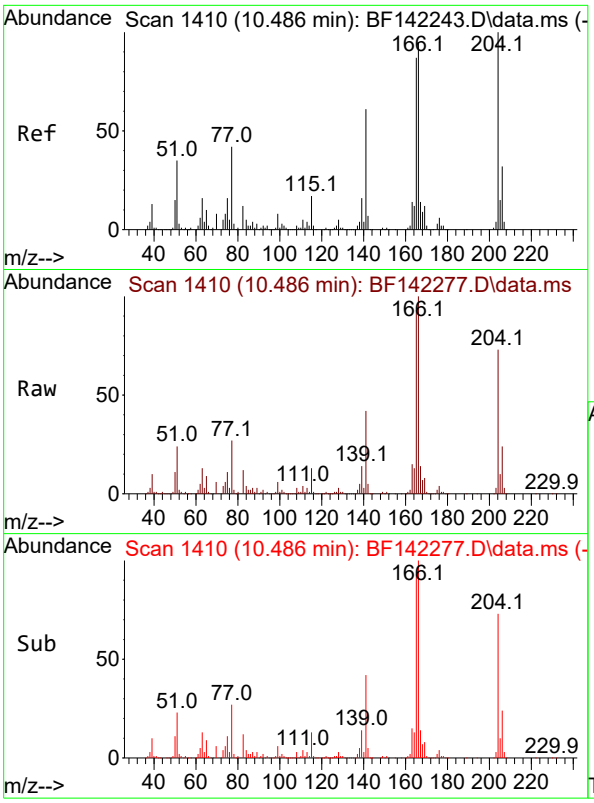


#60
Diethylphthalate
Concen: 42.636 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:149 Resp: 1082961

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.6	26.4
150	12.7	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 42.138 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Tgt Ion:204 Resp: 52260

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.6	38.4
141	56.9	48.9	73.3

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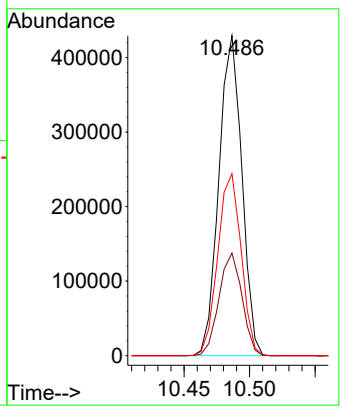
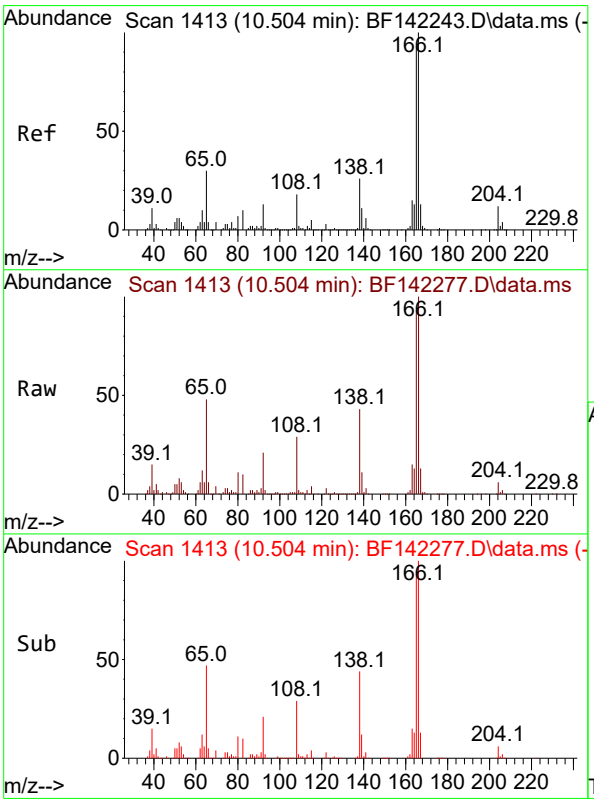
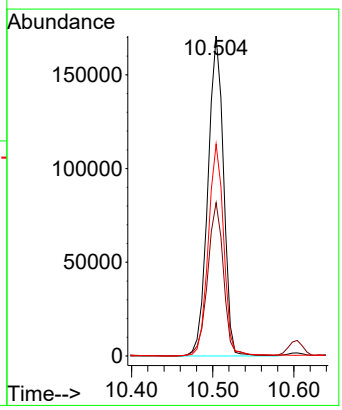


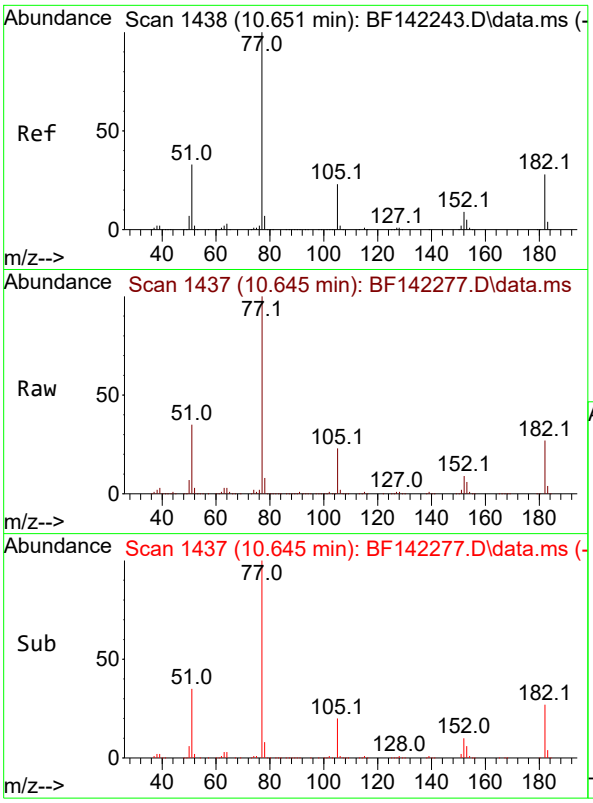


#62
4-Nitroaniline
Concen: 42.238 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:138 Resp: 228504

Ion	Ratio	Lower	Upper
138	100		
92	47.9	29.2	69.2
108	66.2	49.1	89.1





#63
Azobenzene
Concen: 41.352 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Tgt Ion: 77 Resp: 103718

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.3	47.3
105	22.5	2.5	42.5
51	35.0	14.4	54.4

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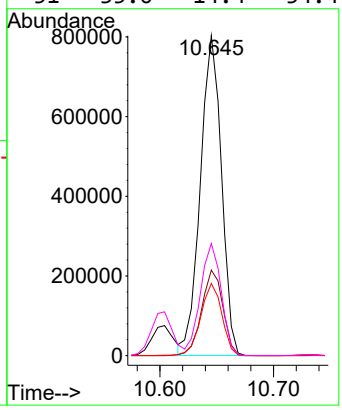
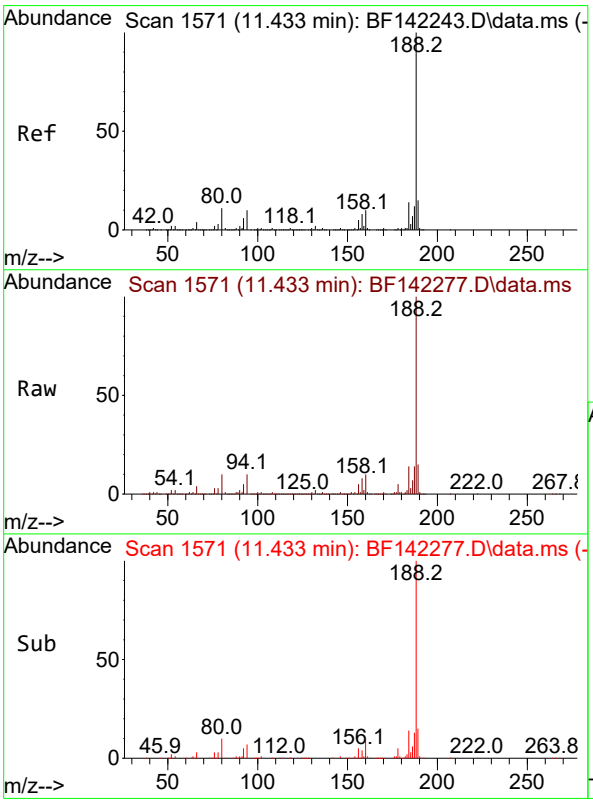
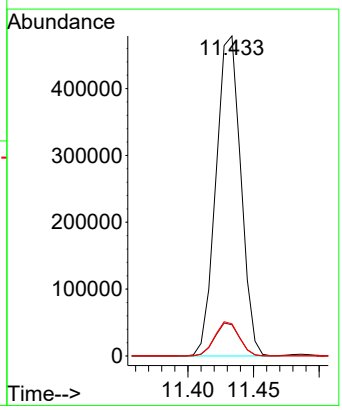


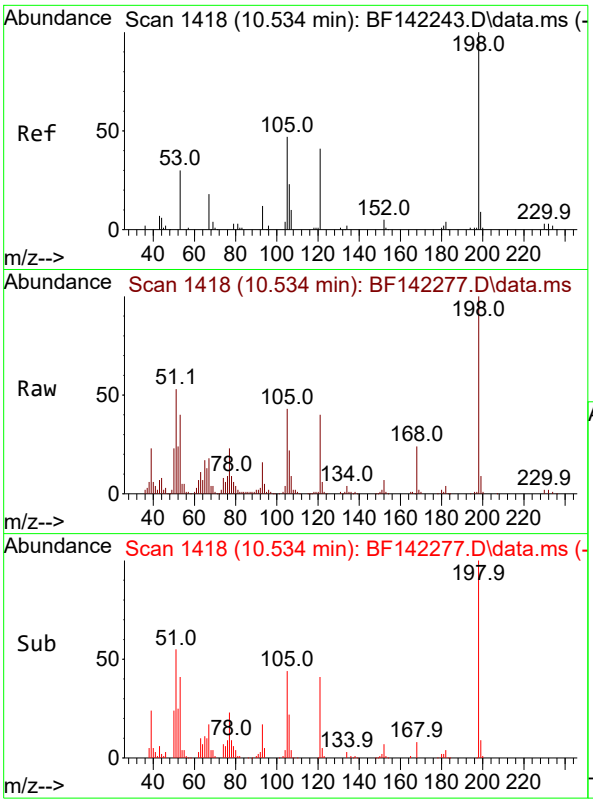


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:188 Resp: 629997

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.1	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 50.723 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:198 Resp: 10686

Ion	Ratio	Lower	Upper
198	100		
51	52.8	40.6	80.6
105	42.9	29.2	69.2

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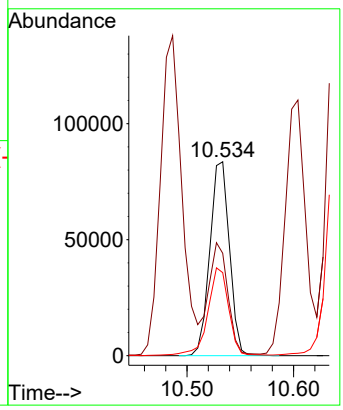
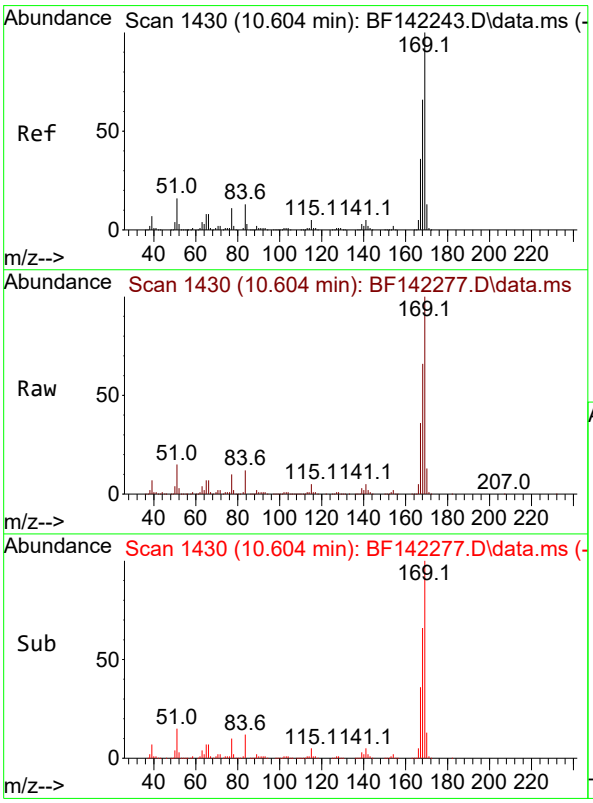
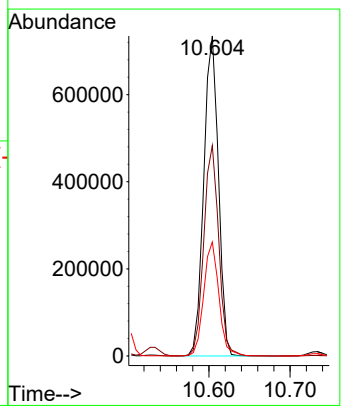


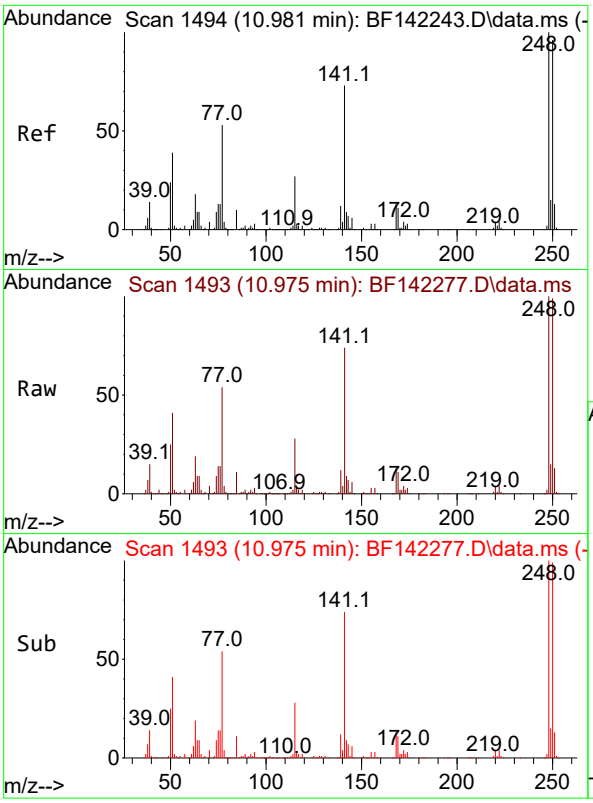


#66
n-Nitrosodiphenylamine
Concen: 42.652 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:169 Resp: 918104

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.6
167	35.6	28.8	43.2

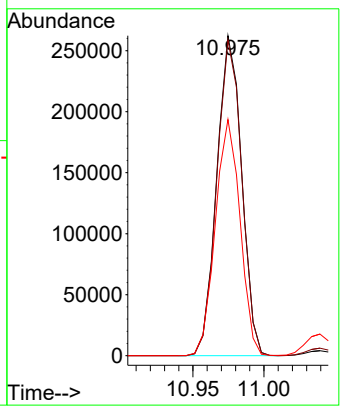




#67
4-Bromophenyl-phenylether
Concen: 45.559 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:248 Resp: 31964

Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.2	115.8
141	73.8	58.4	87.6



Instrument :
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ClientSampleId :
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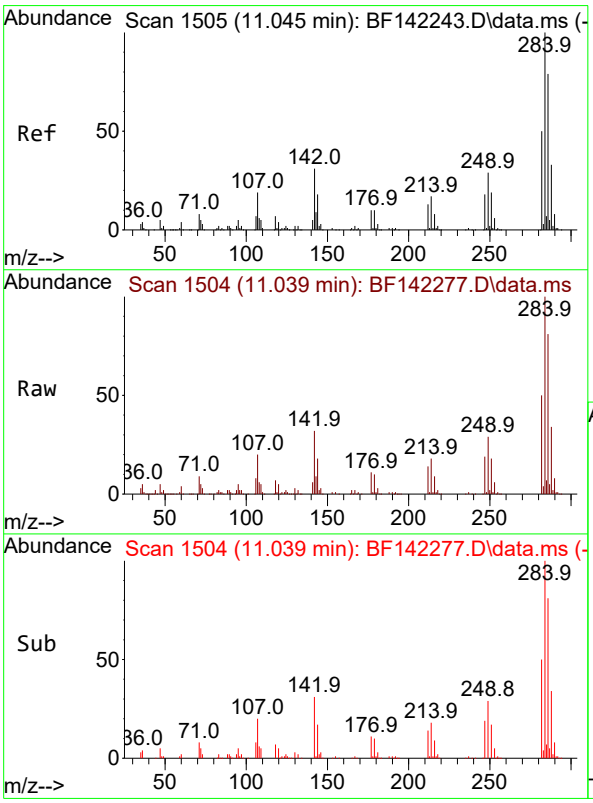
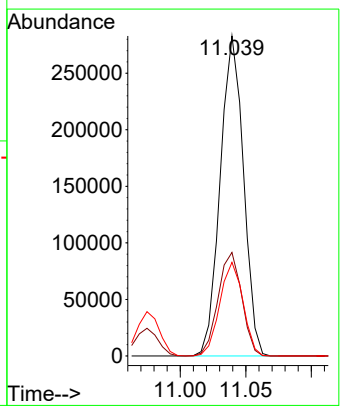
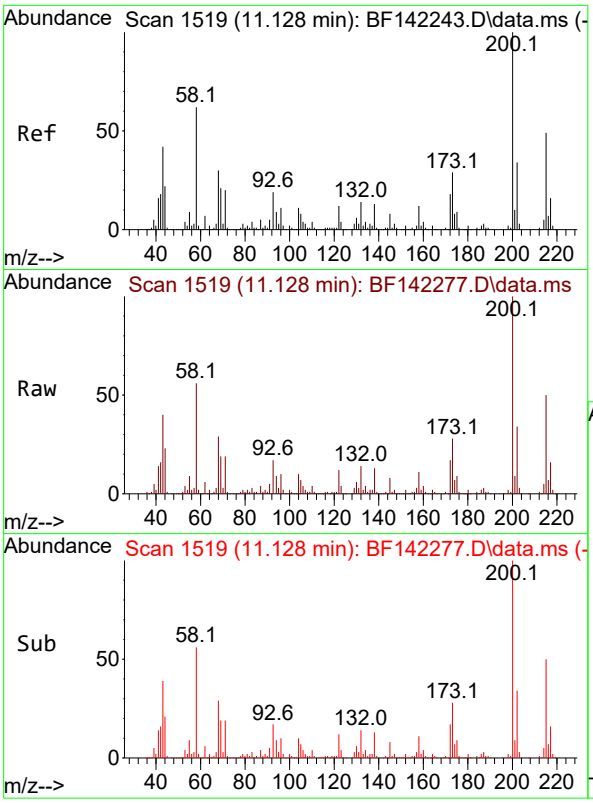


#68
Hexachlorobenzene
Concen: 44.425 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:284 Resp: 349088

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.3	23.2	34.8

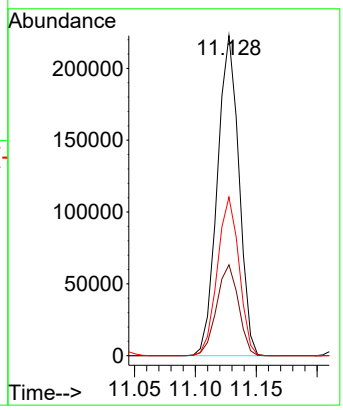




#69
Atrazine
Concen: 48.442 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:200 Resp: 27485

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.6	48.6
215	49.6	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
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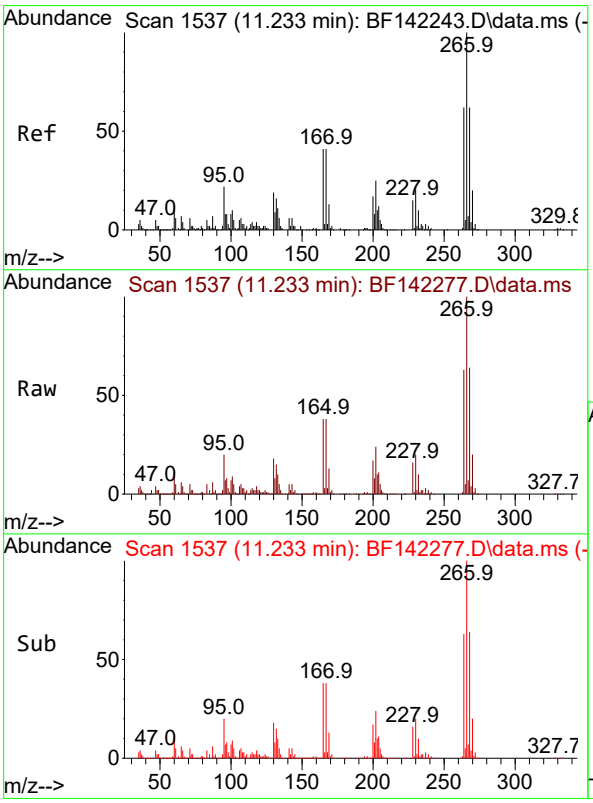
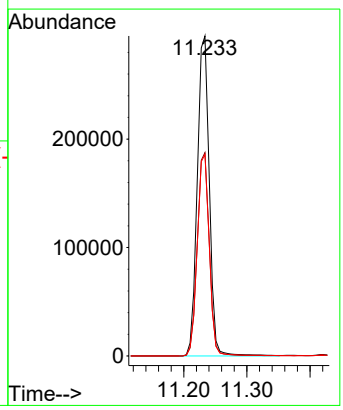
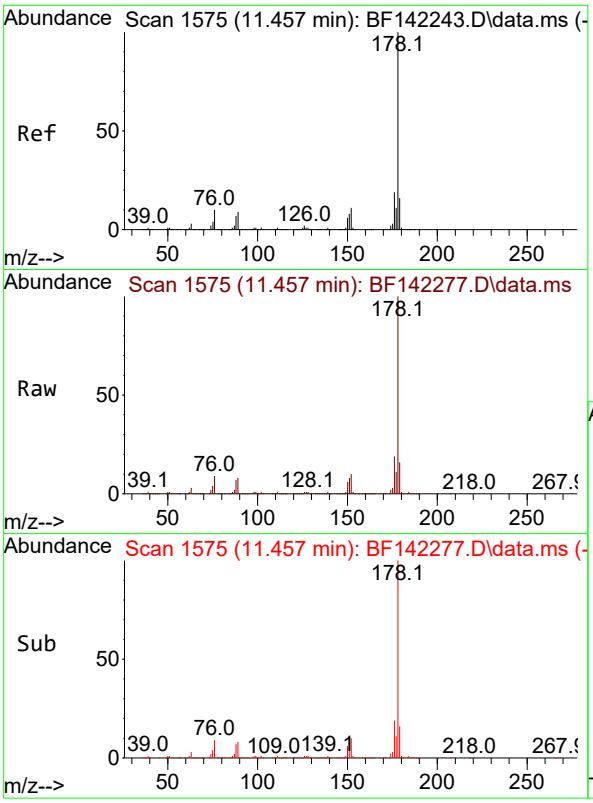


#70
Pentachlorophenol
Concen: 94.071 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:266 Resp: 390510

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.0	75.0
264	62.9	49.3	73.9

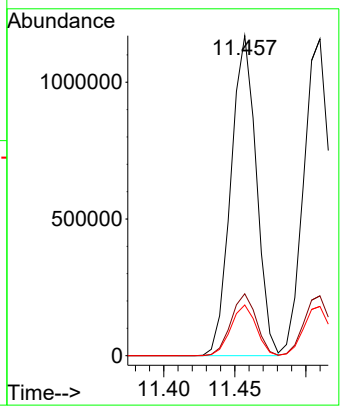




#71
Phenanthrene
Concen: 42.876 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:178 Resp: 145906

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.9	12.6	19.0



Instrument :
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ClientSampleId :
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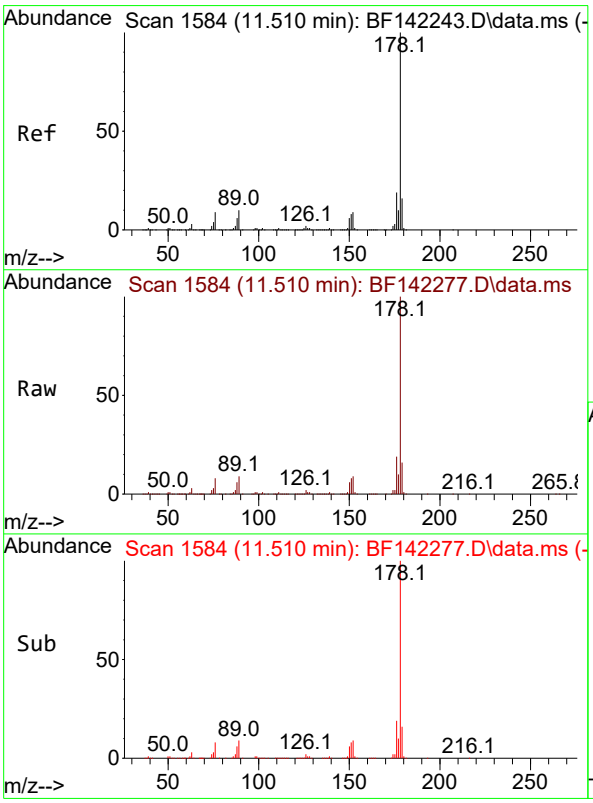
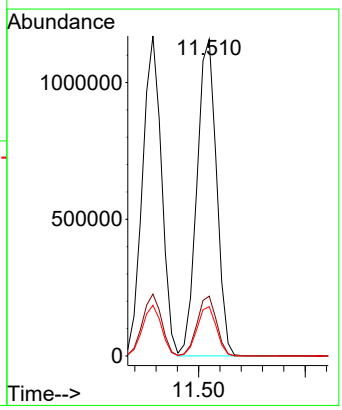
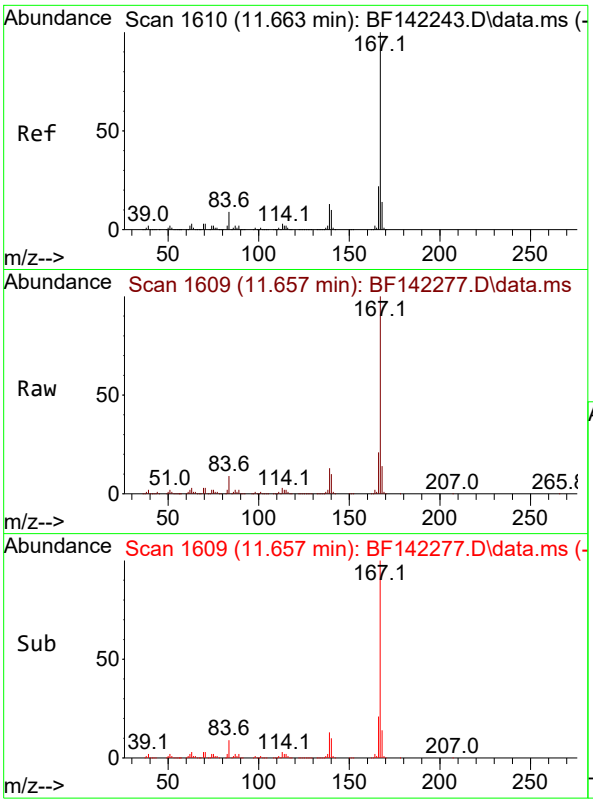


#72
Anthracene
Concen: 42.440 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:178 Resp: 1476623

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.7	19.1

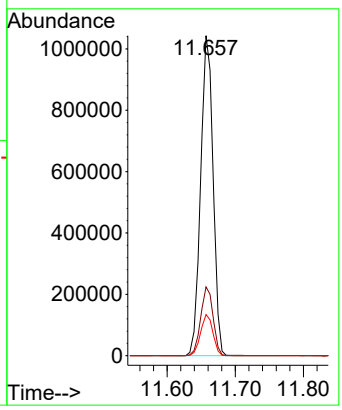




#73
Carbazole
Concen: 41.655 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:167 Resp: 132208

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	12.8	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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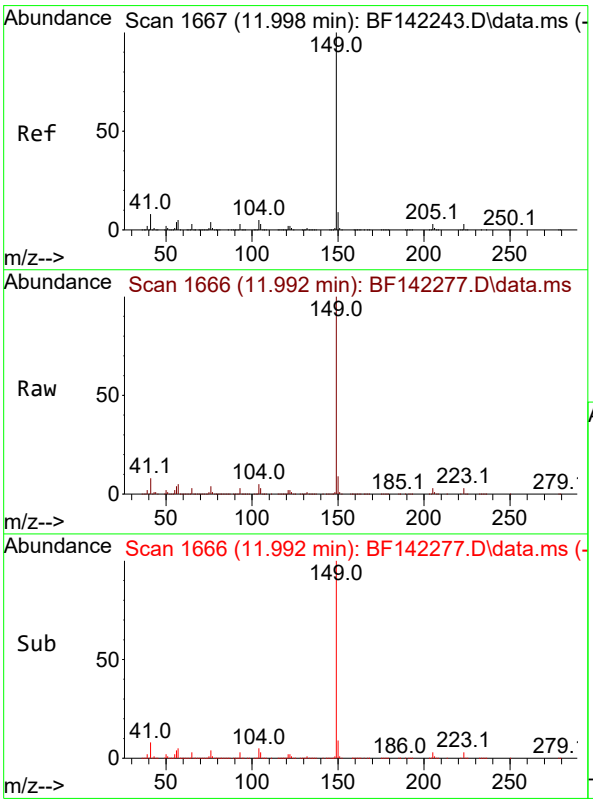
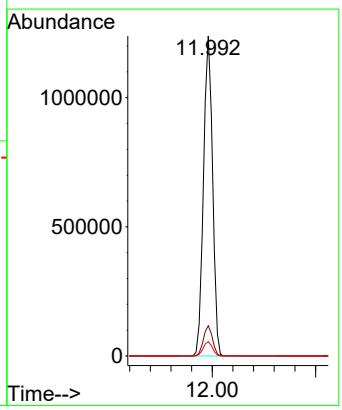
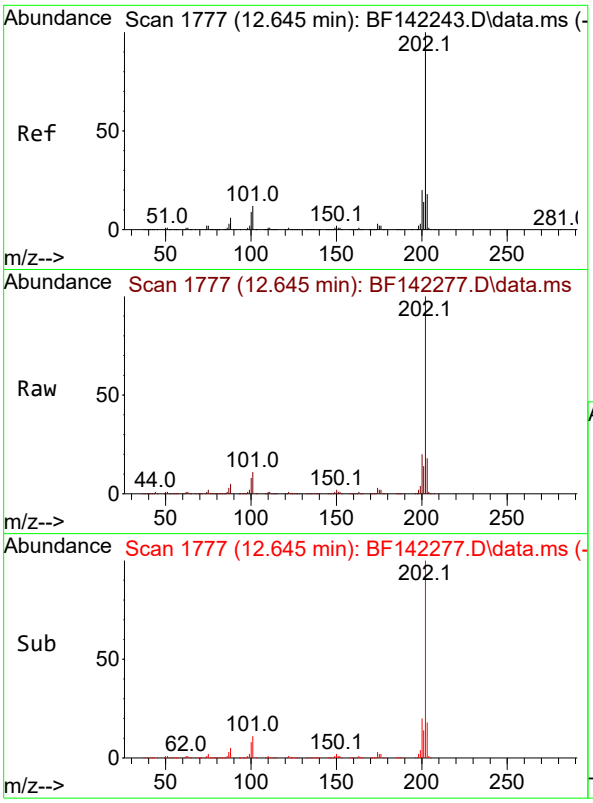


#74
Di-n-butylphthalate
Concen: 47.265 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:149 Resp: 1508741

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

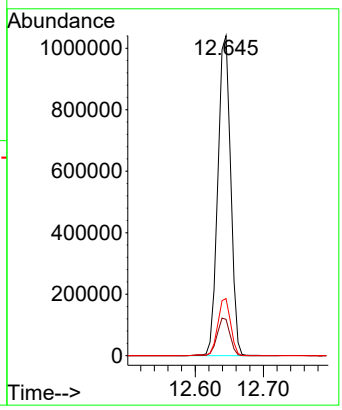




#75
Fluoranthene
Concen: 40.513 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:202 Resp: 136282

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.4
203	17.8	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
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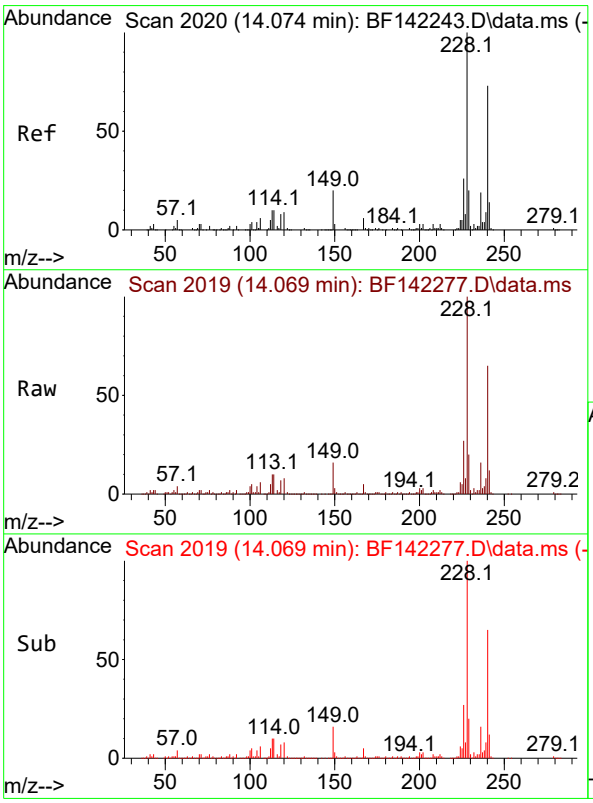
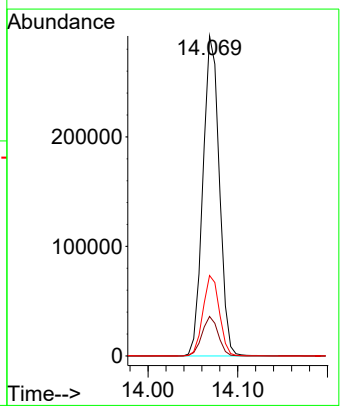
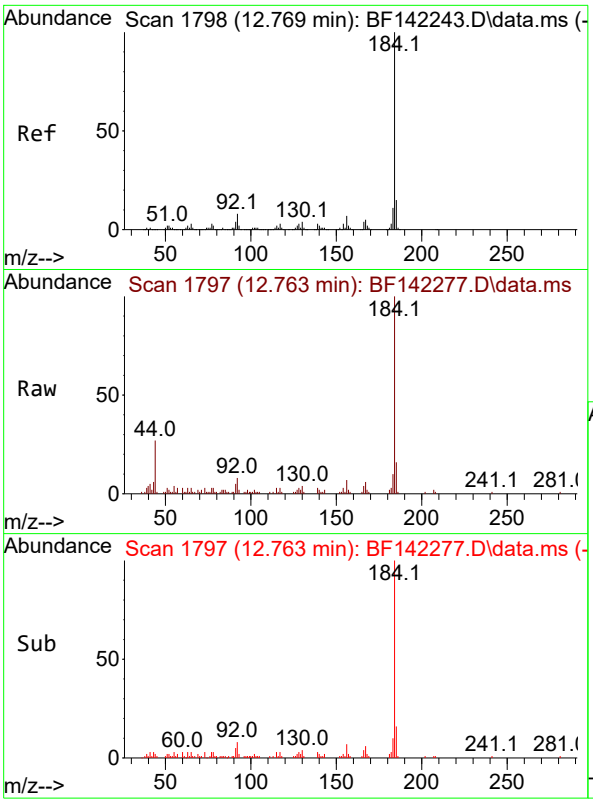


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:240 Resp: 370460

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.1	15.1
236	25.2	20.5	30.7

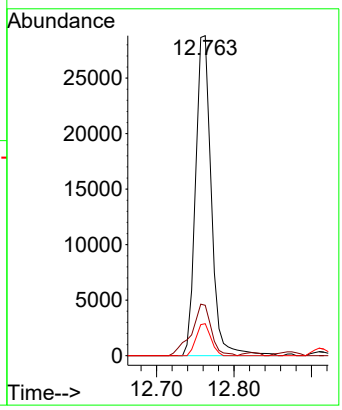




#77
Benzidine
Concen: 2.576 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:184 Resp: 4055

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.8	17.6
183	10.0	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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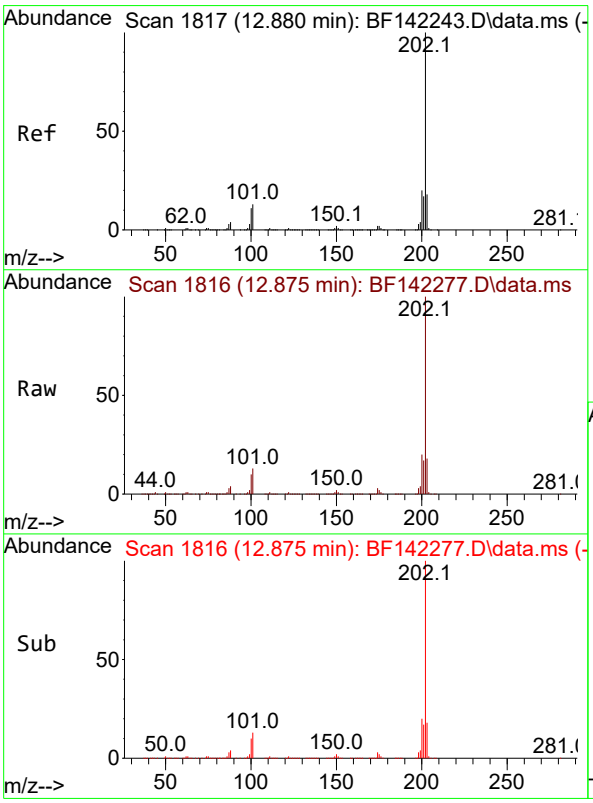
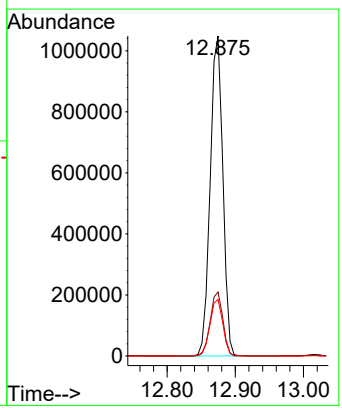
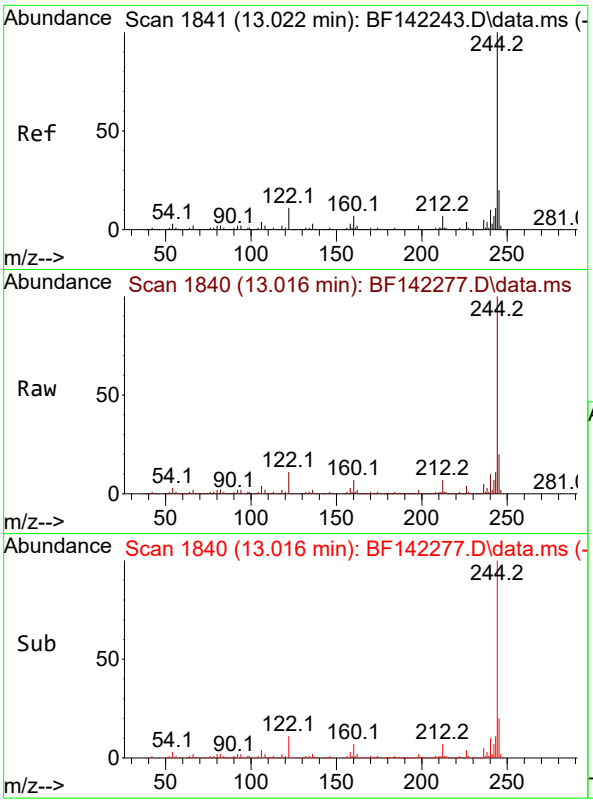


#78
Pyrene
Concen: 39.600 ng
RT: 12.875 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:202 Resp: 1353270

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.7	14.1	21.1

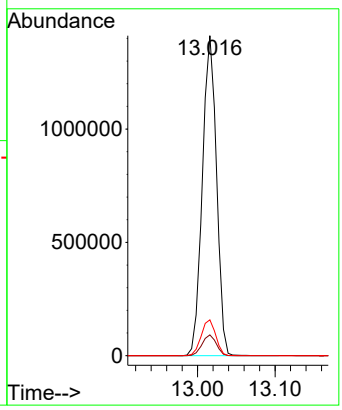




#79
Terphenyl-d14
Concen: 70.359 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:244 Resp: 179216

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	11.2	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
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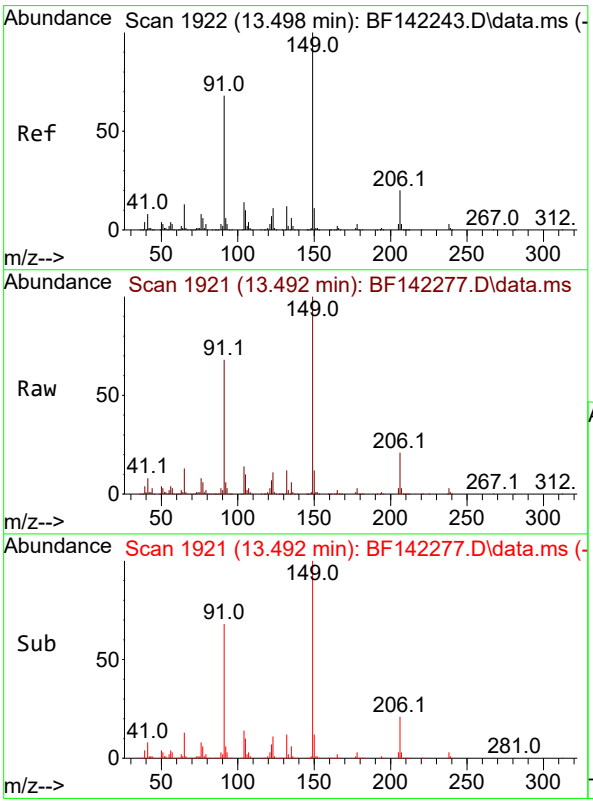
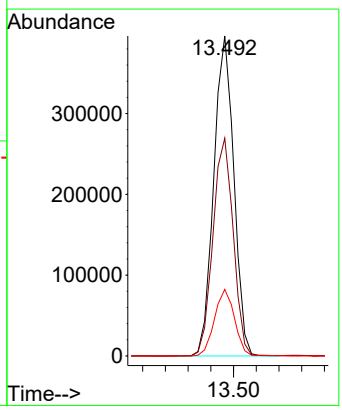
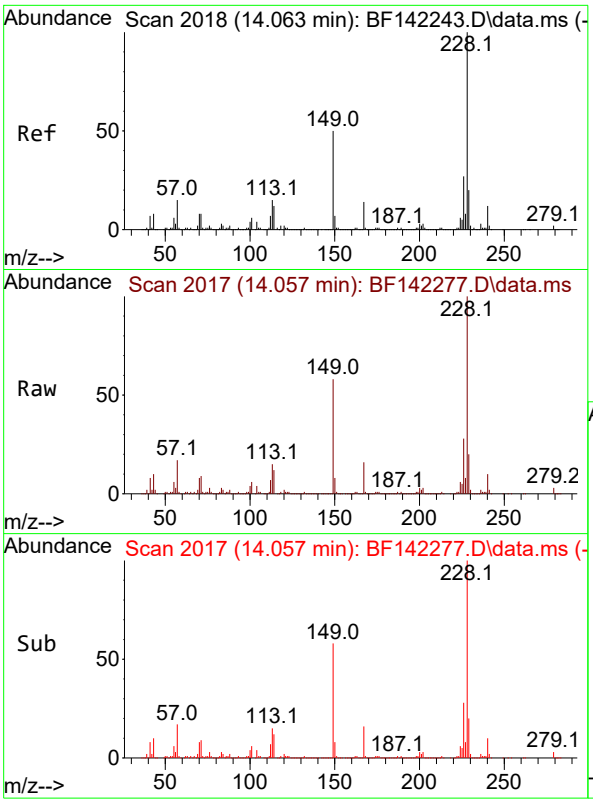


#80
Butylbenzylphthalate
Concen: 51.715 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:149 Resp: 486120

Ion	Ratio	Lower	Upper
149	100		
91	68.1	54.4	81.6
206	20.8	15.9	23.9





#81
Benzo(a)anthracene
Concen: 43.310 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:228 Resp: 107711

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.1	16.0	24.0

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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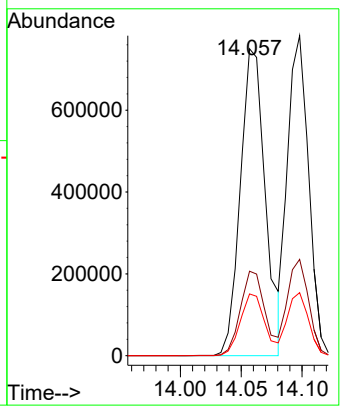
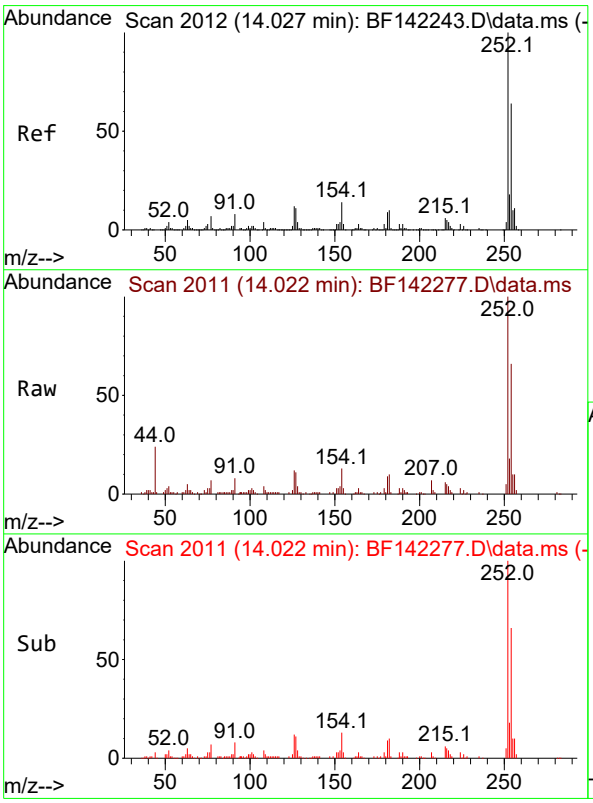
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

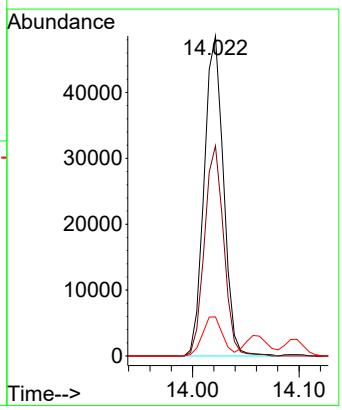


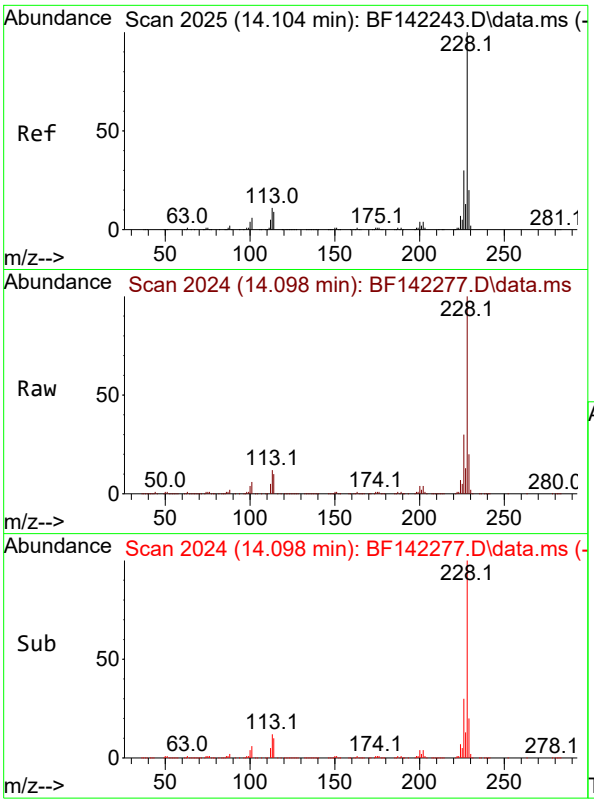


#82
3,3'-Dichlorobenzidine
Concen: 8.398 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:252 Resp: 61349

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.0	76.6
126	12.2	9.4	14.2

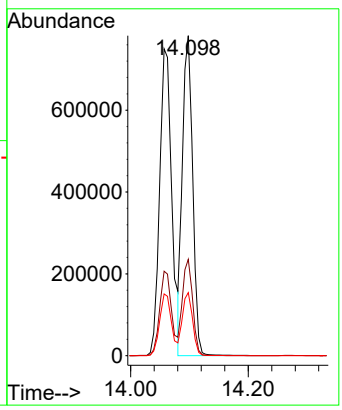




#83
Chrysene
Concen: 41.802 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:228 Resp: 94631

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations
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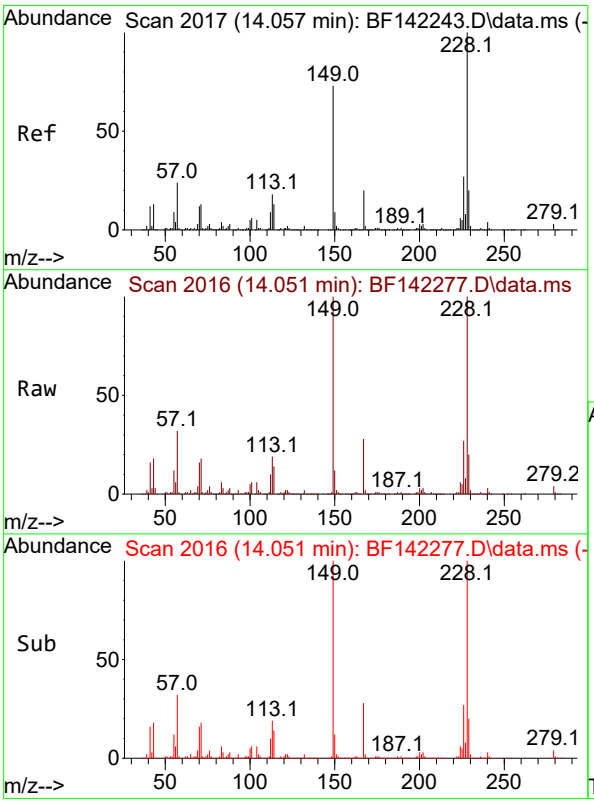
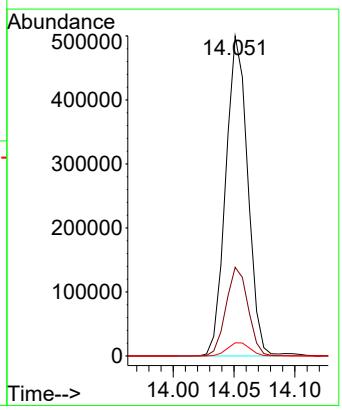
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

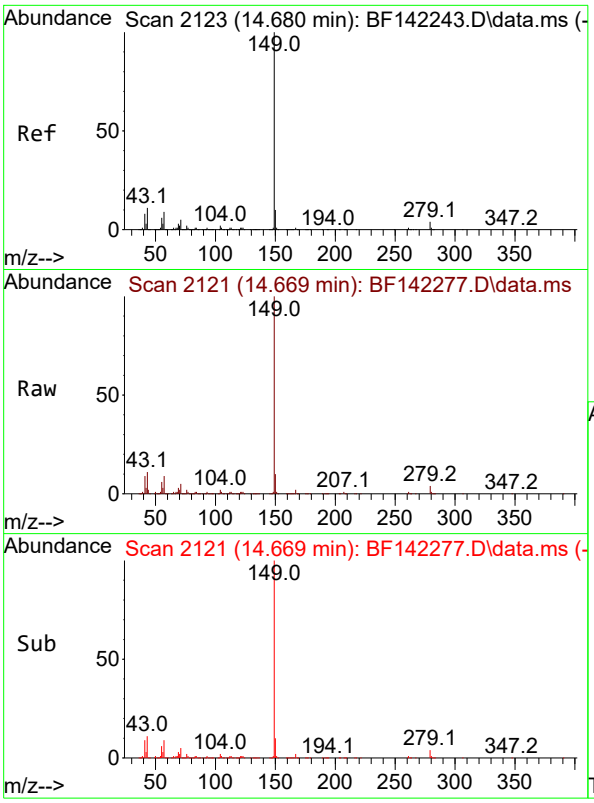


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.509 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:149 Resp: 628324

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.7	32.5
279	4.1	3.0	4.4

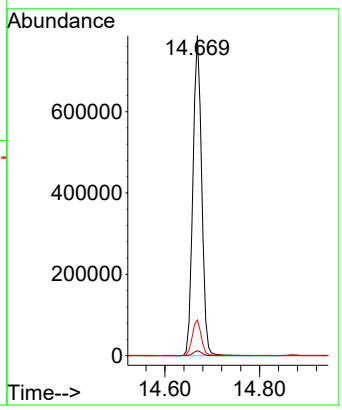




#85
Di-n-octyl phthalate
Concen: 43.232 ng
RT: 14.669 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:149 Resp: 100927

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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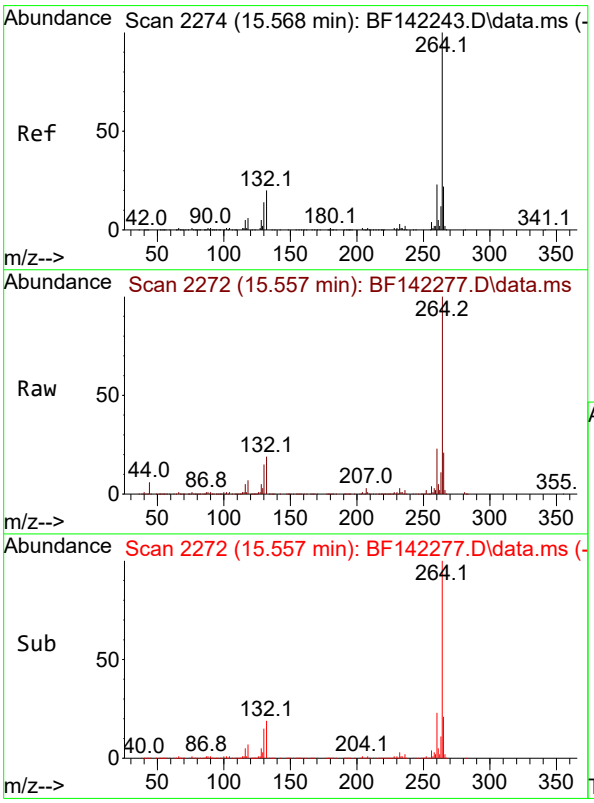
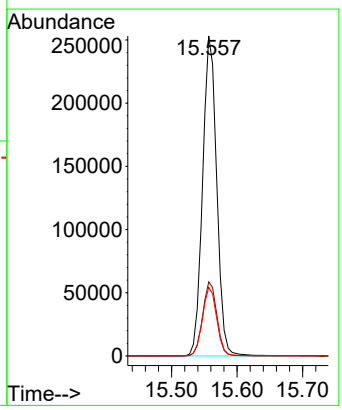
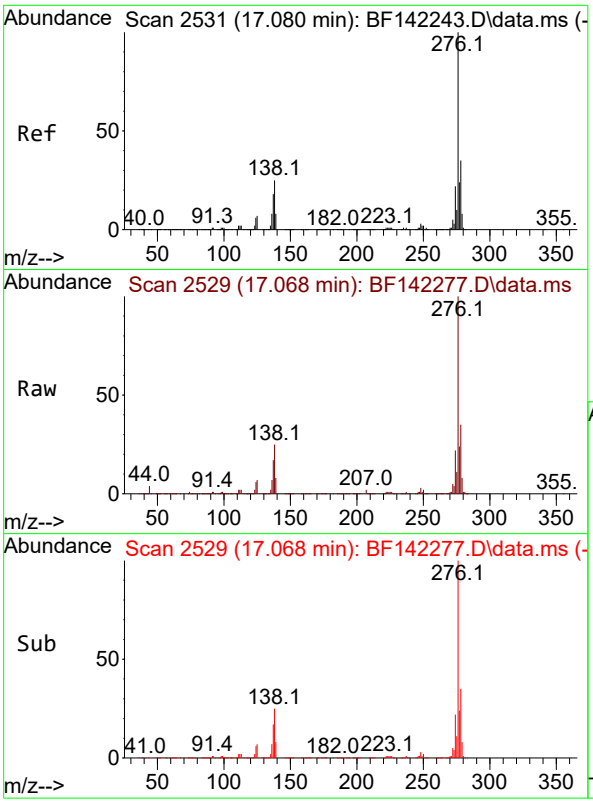


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:264 Resp: 379220

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	21.4	17.3	25.9

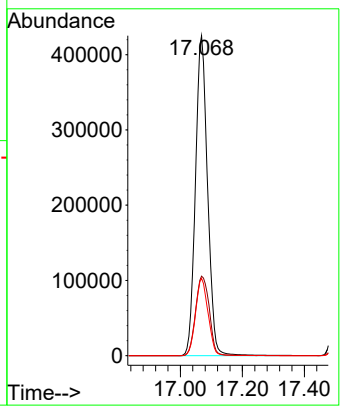




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.548 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:276 Resp: 115406

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.6	33.8
277	25.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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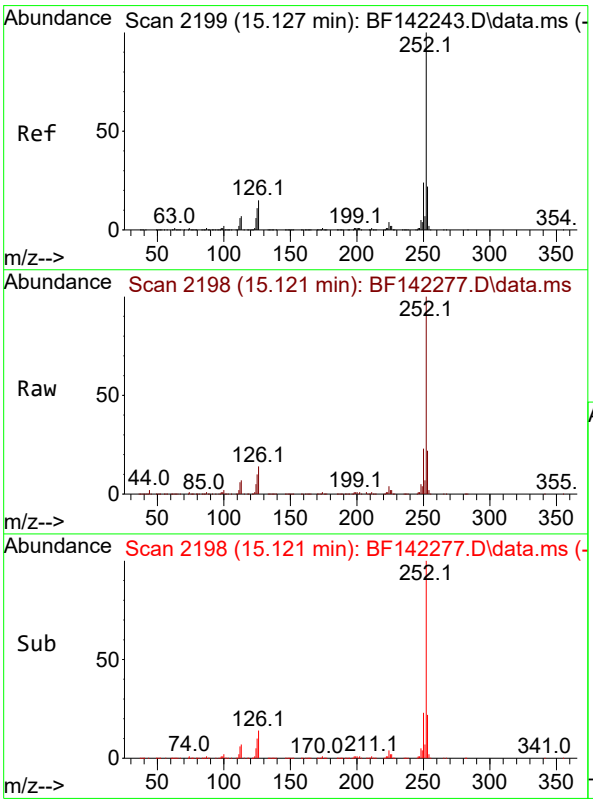
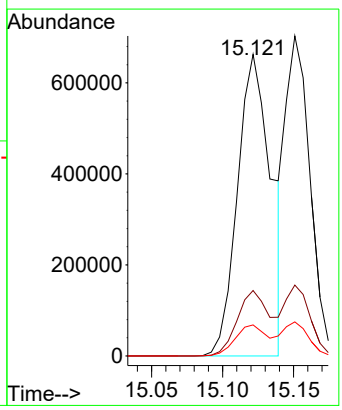
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

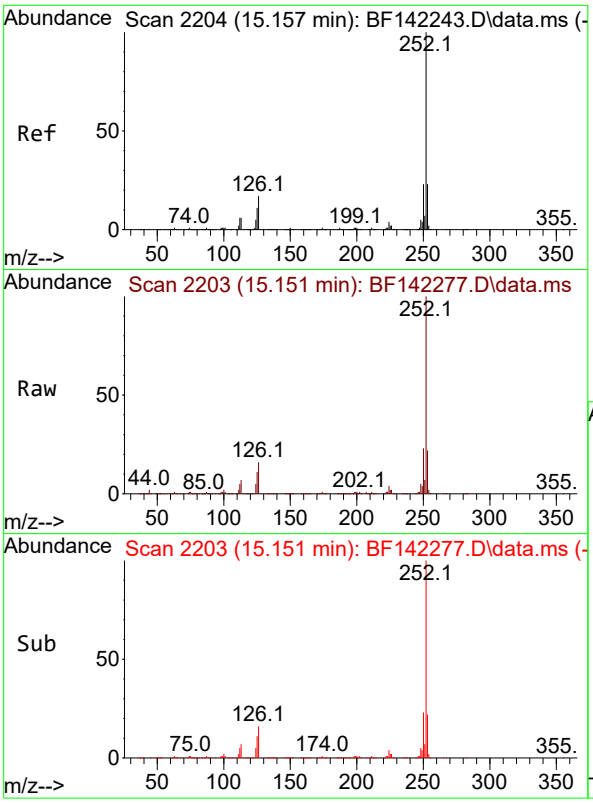


#88
Benzo(b)fluoranthene
Concen: 46.269 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:252 Resp: 1089899

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.3	9.0	13.4

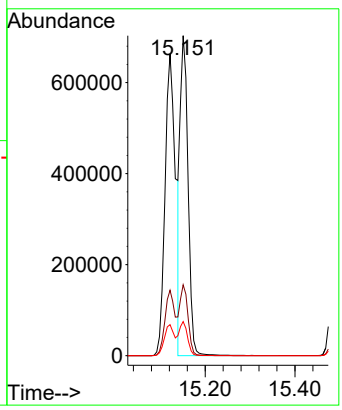




#89
Benzo(k)fluoranthene
Concen: 39.820 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:252 Resp: 85795

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	10.7	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

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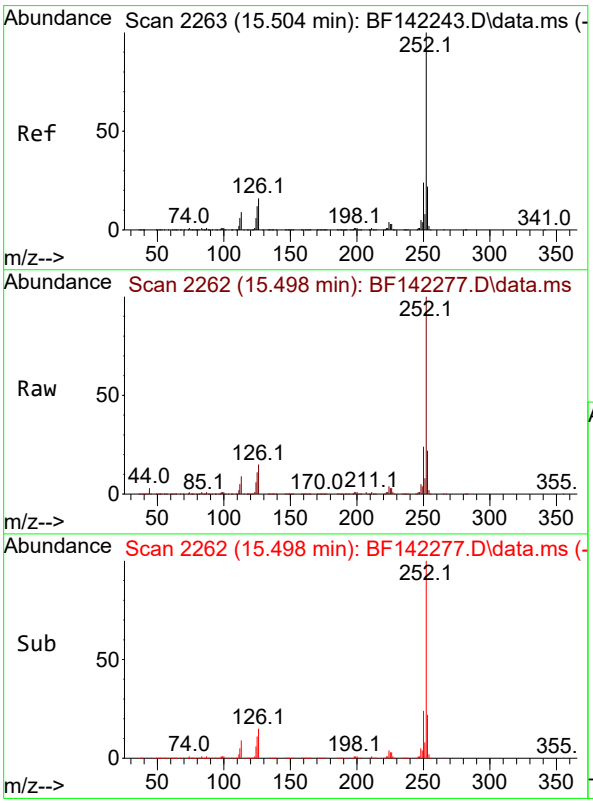
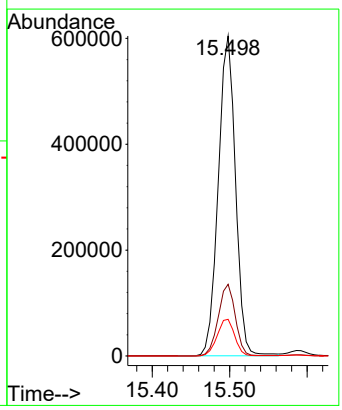
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

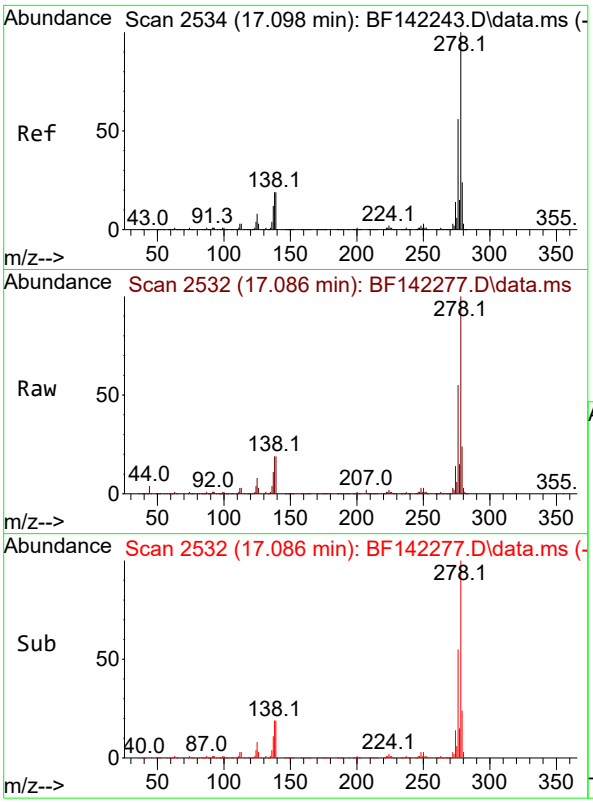


#90
Benzo(a)pyrene
Concen: 43.441 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:252 Resp: 936845

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	11.4	9.5	14.3

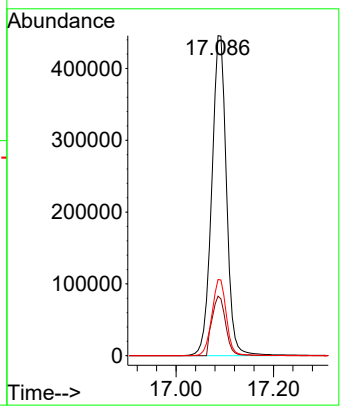




#91
Dibenzo(a,h)anthracene
Concen: 41.398 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:278 Resp: 93326

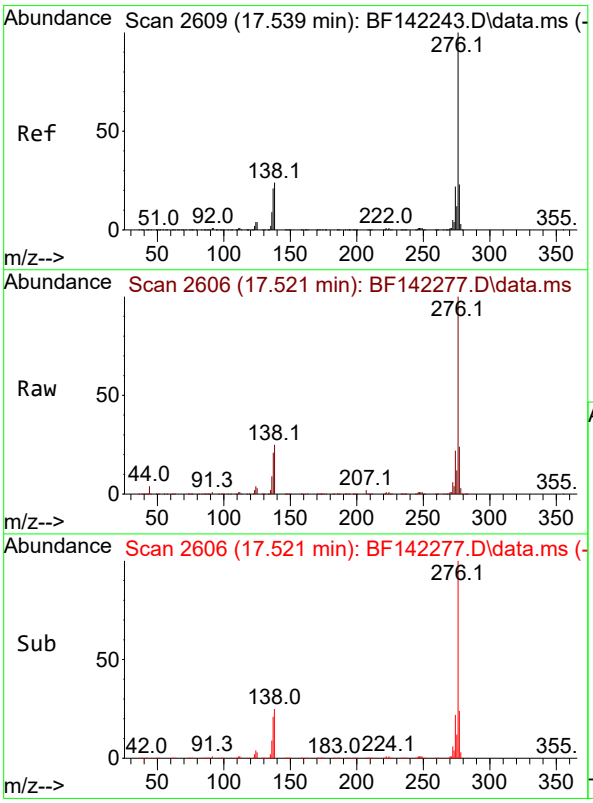
Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.2	22.8
279	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED

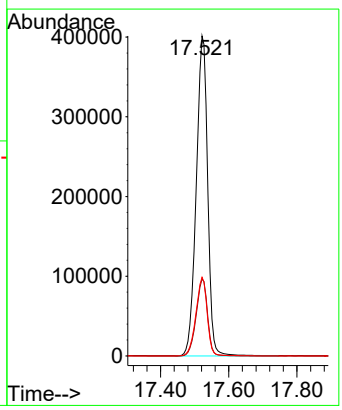
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#92
Benzo(g,h,i)perylene
Concen: 41.307 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.018 min
Lab File: BF142277.D
Acq: 02 May 2025 12:27

Tgt Ion:276 Resp: 936160

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	24.6	19.4	29.0



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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/26/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1915
Lab Sample ID:	Q1901-08MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142278.D	1	04/30/25 13:15	05/02/25 12:55	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	280		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	340		5.30	50.0	ug/L
95-48-7	2-Methylphenol	370		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	370		11.0	100	ug/L
67-72-1	Hexachloroethane	370		6.50	50.0	ug/L
98-95-3	Nitrobenzene	460		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	390		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	470		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	530		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	450		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	970	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	99.4		10 - 139	66%	SPK: 150
13127-88-3	Phenol-d6	92.8		10 - 134	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.8		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	72.8		48 - 125	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	217000	6.91			
1146-65-2	Naphthalene-d8	833000	8.193			
15067-26-2	Acenaphthene-d10	419000	9.945			
1517-22-2	Phenanthrene-d10	684000	11.433			
1719-03-5	Chrysene-d12	400000	14.069			
1520-96-3	Perylene-d12	401000	15.563			

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/26/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1915
Lab Sample ID:	Q1901-08MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142278.D	1	04/30/25 13:15	05/02/25 12:55	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	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\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 13:41:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	217028	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	832936	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	419407	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	684254	20.000	ng	0.00
76) Chrysene-d12	14.069	240	400079	20.000	ng	0.00
86) Perylene-d12	15.563	264	401381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1351308	99.440	ng	0.01
7) Phenol-d6	6.528	99	1523396	92.834	ng	0.00
23) Nitrobenzene-d5	7.469	82	1112775	87.769	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	506639	132.507	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2151303	72.323	ng	0.00
79) Terphenyl-d14	13.016	244	2003750	72.842	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.828	88	174625	28.773	ng	# 82
3) Pyridine	3.546	79	441222	27.973	ng	100
4) n-Nitrosodimethylamine	3.487	42	294114	36.032	ng	99
6) Aniline	6.569	93	197398	8.499	ng	98
8) 2-Chlorophenol	6.693	128	562936	40.089	ng	99
9) Benzaldehyde	6.457	77	183950	16.038	ng	99
10) Phenol	6.540	94	571858m	32.370	ng	
11) bis(2-Chloroethyl)ether	6.646	93	532809	38.919	ng	99
12) 1,3-Dichlorobenzene	6.851	146	542334	34.140	ng	99
13) 1,4-Dichlorobenzene	6.928	146	548211	34.253	ng	99
14) 1,2-Dichlorobenzene	7.081	146	540561	35.379	ng	99
15) Benzyl Alcohol	7.046	79	478246	41.092	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	960997	38.874	ng	100
17) 2-Methylphenol	7.151	107	427556	37.168	ng	99
18) Hexachloroethane	7.422	117	192593	36.766	ng	96
19) n-Nitroso-di-n-propyla...	7.322	70	400784	39.523	ng	99
20) 3+4-Methylphenols	7.304	107	538223	37.414	ng	92
22) Acetophenone	7.316	105	748030	38.819	ng	97
24) Nitrobenzene	7.487	77	571114	45.910	ng	100
25) Isophorone	7.728	82	1075681	40.426	ng	99
26) 2-Nitrophenol	7.804	139	277477	51.929	ng	98
27) 2,4-Dimethylphenol	7.834	122	495291	36.919	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	685392	40.843	ng	99
29) 2,4-Dichlorophenol	8.040	162	483547	43.112	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	482951	38.586	ng	99
31) Naphthalene	8.210	128	1609412	38.745	ng	100
32) Benzoic acid	7.928	122	263320	42.769	ng	97
33) 4-Chloroaniline	8.251	127	72531	4.193	ng	99
34) Hexachlorobutadiene	8.328	225	287976	39.436	ng	99
35) Caprolactam	8.616	113	125300m	37.167	ng	
36) 4-Chloro-3-methylphenol	8.728	107	484815	42.095	ng	99
37) 2-Methylnaphthalene	8.904	142	1012785	39.656	ng	100
38) 1-Methylnaphthalene	8.998	142	1065609	40.276	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	493589	41.817	ng	99
41) Hexachlorocyclopentadiene	9.057	237	611613	91.299	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	351147	48.009	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 13:41:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	361688	47.034	ng		99
46) 1,1'-Biphenyl	9.363	154	1368430	41.970	ng		100
47) 2-Chloronaphthalene	9.392	162	1020867	42.083	ng		99
48) 2-Nitroaniline	9.481	65	319718	49.782	ng		98
49) Acenaphthylene	9.810	152	1710079	41.776	ng		100
50) Dimethylphthalate	9.663	163	1199810	44.716	ng		100
51) 2,6-Dinitrotoluene	9.722	165	253926	49.228	ng		99
52) Acenaphthene	9.981	154	1087078	45.482	ng		98
53) 3-Nitroaniline	9.886	138	99043	17.958	ng		98
54) 2,4-Dinitrophenol	9.998	184	184644	93.898	ng	#	1
55) Dibenzofuran	10.151	168	1522541	42.495	ng		100
56) 4-Nitrophenol	10.045	139	407185	96.548	ng		99
57) 2,4-Dinitrotoluene	10.128	165	336232	53.345	ng		96
58) Fluorene	10.492	166	1144424	42.008	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	303708	47.678	ng		99
60) Diethylphthalate	10.369	149	1182771	44.640	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	556055	42.980	ng		97
62) 4-Nitroaniline	10.504	138	257712	45.444	ng		98
63) Azobenzene	10.645	77	1119990	42.806	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	125145	53.859	ng		94
66) n-Nitrosodiphenylamine	10.604	169	983989	42.088	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	347963	45.662	ng		99
68) Hexachlorobenzene	11.039	284	382262	44.789	ng		97
69) Atrazine	11.128	200	312642	50.733	ng		99
70) Pentachlorophenol	11.233	266	437319	96.993	ng		99
71) Phenanthrene	11.457	178	1591587	43.062	ng		100
72) Anthracene	11.510	178	1599092	42.316	ng		100
73) Carbazole	11.657	167	1465976	42.526	ng		100
74) Di-n-butylphthalate	11.992	149	1677931	48.397	ng		100
75) Fluoranthene	12.645	202	1520599	41.619	ng		98
77) Benzidine	12.763	184	44894	2.641	ng		97
78) Pyrene	12.875	202	1524967	41.321	ng		100
80) Butylbenzylphthalate	13.492	149	558469	54.776	ng		99
81) Benzo(a)anthracene	14.063	228	1194007	44.456	ng		100
82) 3,3'-Dichlorobenzidine	14.022	252	70246	8.904	ng		99
83) Chrysene	14.098	228	1076915	44.049	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	722253	51.410	ng		99
85) Di-n-octyl phthalate	14.669	149	1156306	45.494	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1219041	41.464	ng		100
88) Benzo(b)fluoranthene	15.121	252	1168207	46.856	ng		99
89) Benzo(k)fluoranthene	15.151	252	987950	43.322	ng		100
90) Benzo(a)pyrene	15.498	252	1023759	44.850	ng		100
91) Dibenzo(a,h)anthracene	17.092	278	988821	41.441	ng		99
92) Benzo(g,h,i)perylene	17.527	276	978093	40.775	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 13:41:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

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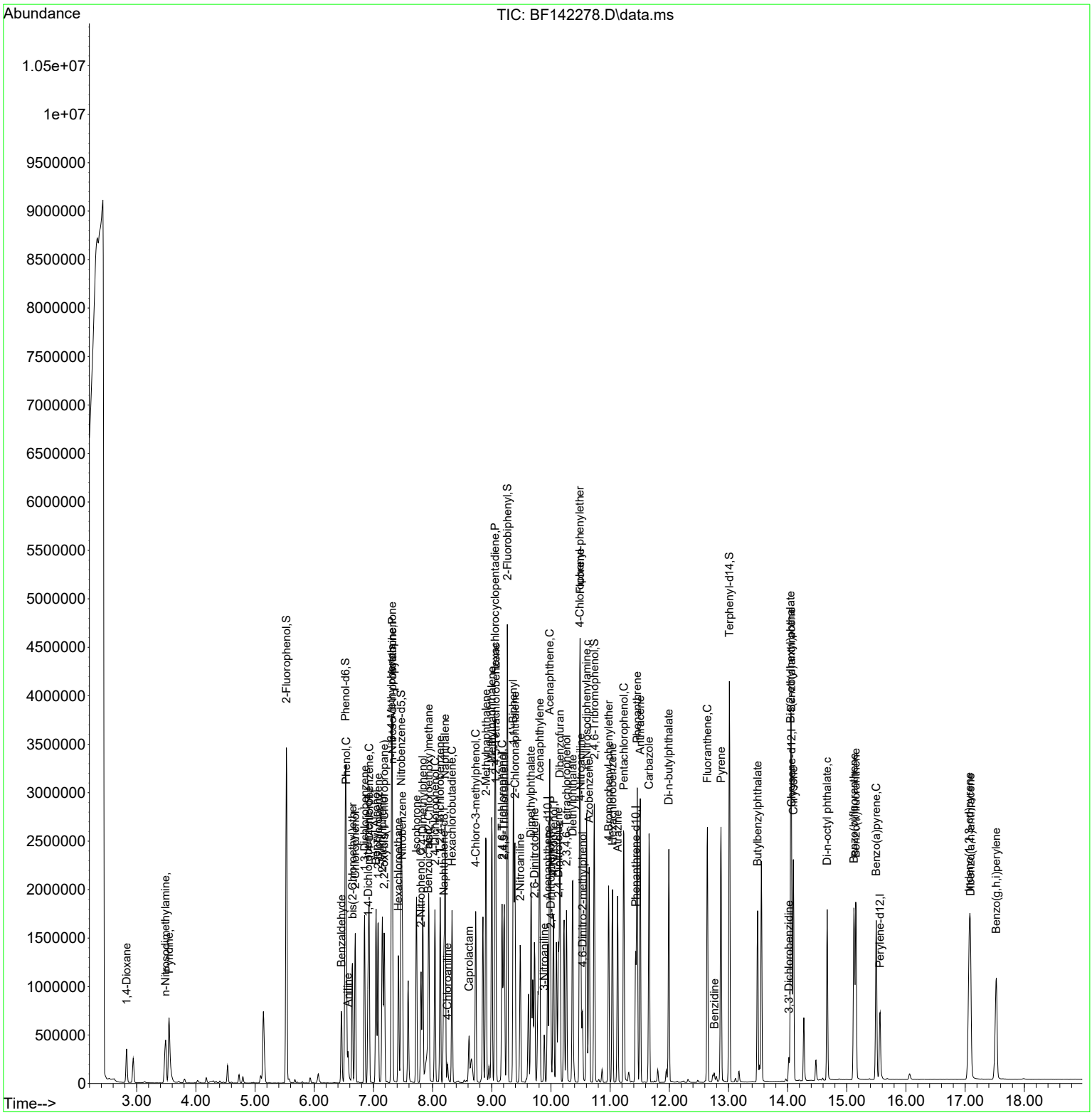
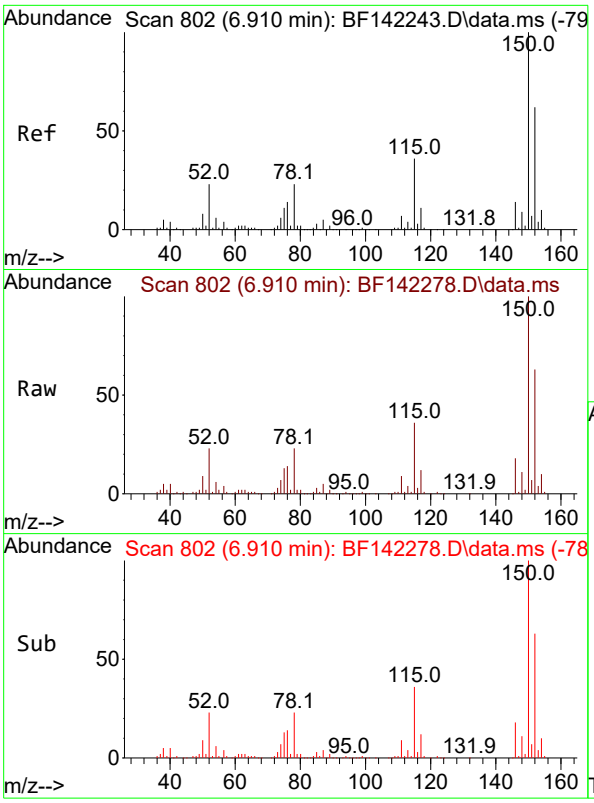
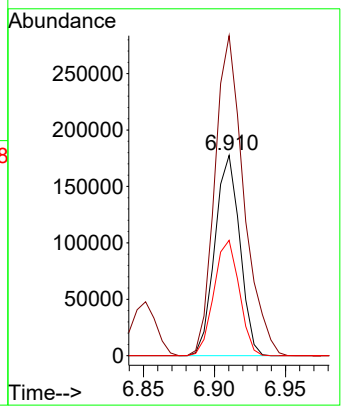




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:152 Resp: 21702

Ion	Ratio	Lower	Upper
152	100		
150	159.7	130.2	195.2
115	57.6	47.0	70.4



Instrument :
BNA_F
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B-167-SB01MSD

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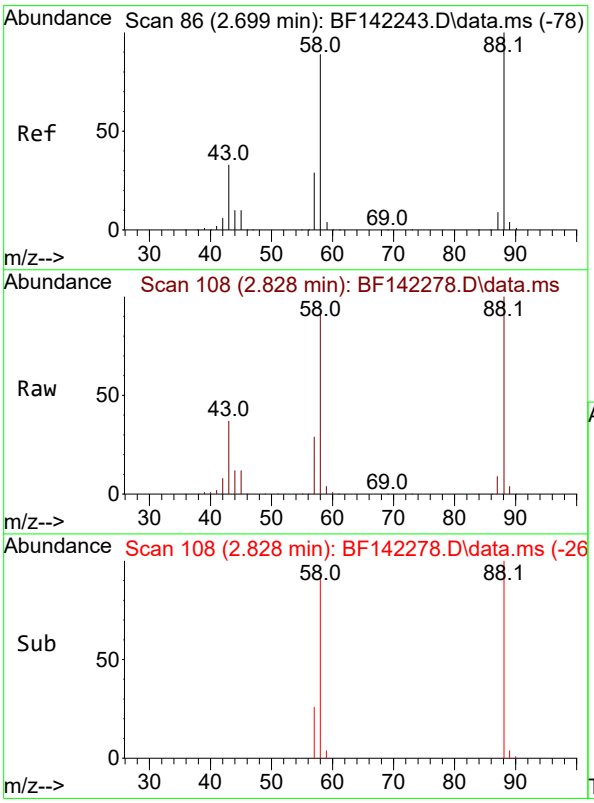
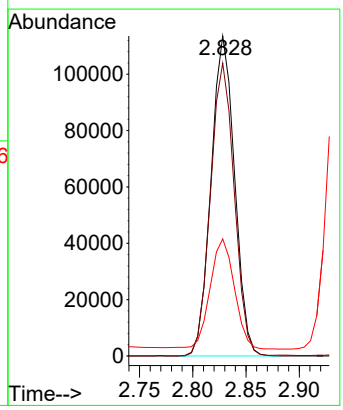
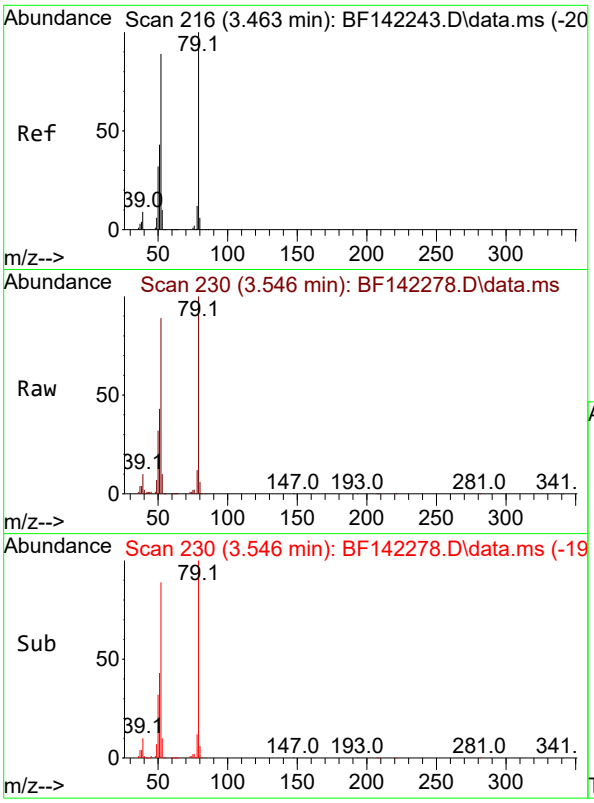


#2
1,4-Dioxane
Concen: 28.773 ng
RT: 2.828 min Scan# 108
Delta R.T. 0.129 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 88 Resp: 174625

Ion	Ratio	Lower	Upper
88	100		
58	92.4	72.2	108.2
43	0.0	27.0	40.6#

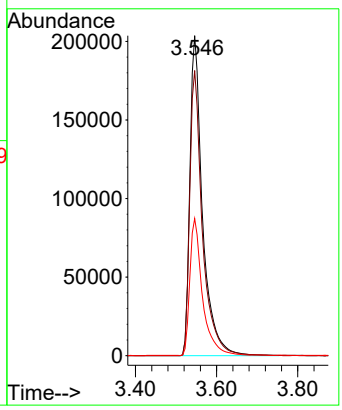




#3
Pyridine
Concen: 27.973 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 79 Resp: 44122

Ion	Ratio	Lower	Upper
79	100		
52	89.1	71.5	107.3
51	42.8	34.5	51.7



Instrument :
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ClientSampleId :
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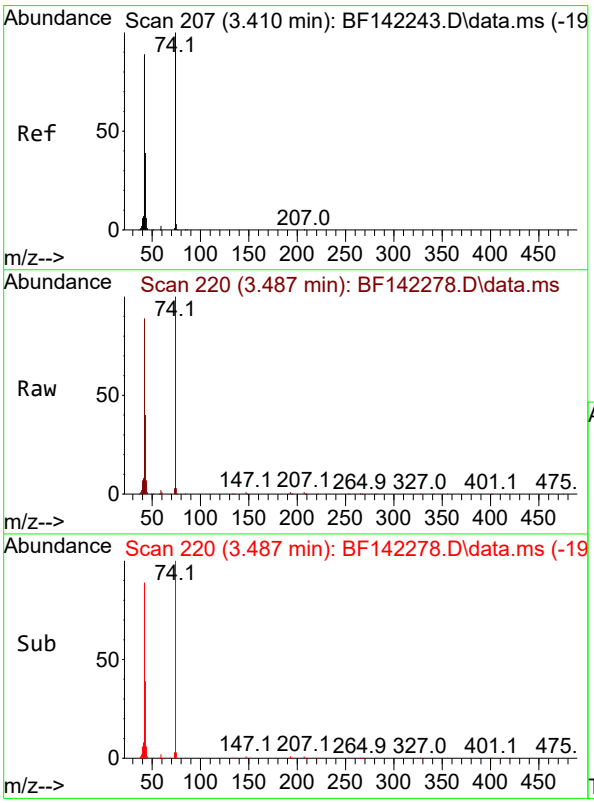
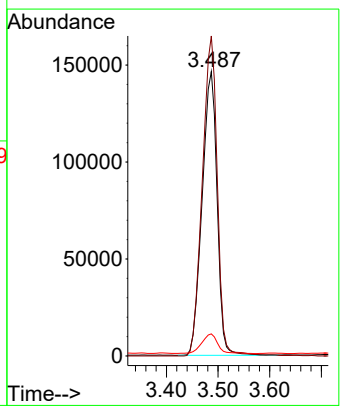
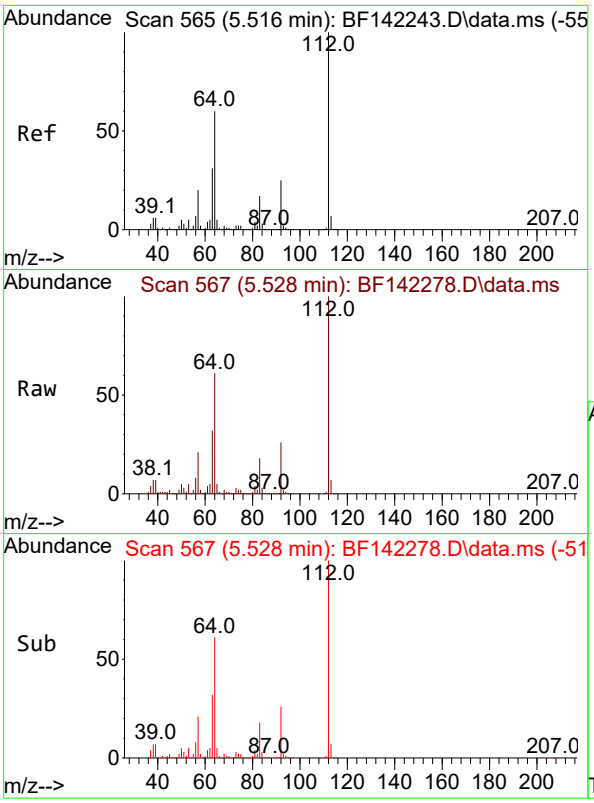


#4
n-Nitrosodimethylamine
Concen: 36.032 ng
RT: 3.487 min Scan# 220
Delta R.T. 0.076 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 42 Resp: 294114

Ion	Ratio	Lower	Upper
42	100		
74	112.6	89.5	134.3
44	7.7	6.6	9.8





#5
2-Fluorophenol
Concen: 99.440 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:112 Resp: 135130

Ion	Ratio	Lower	Upper
112	100		
64	61.0	48.4	72.6
63	31.8	24.8	37.2

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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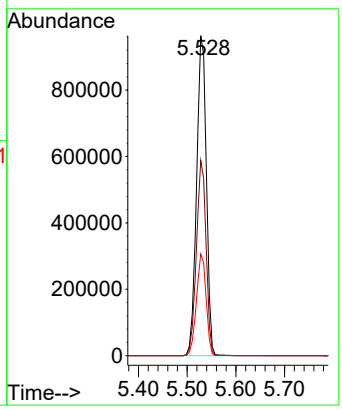
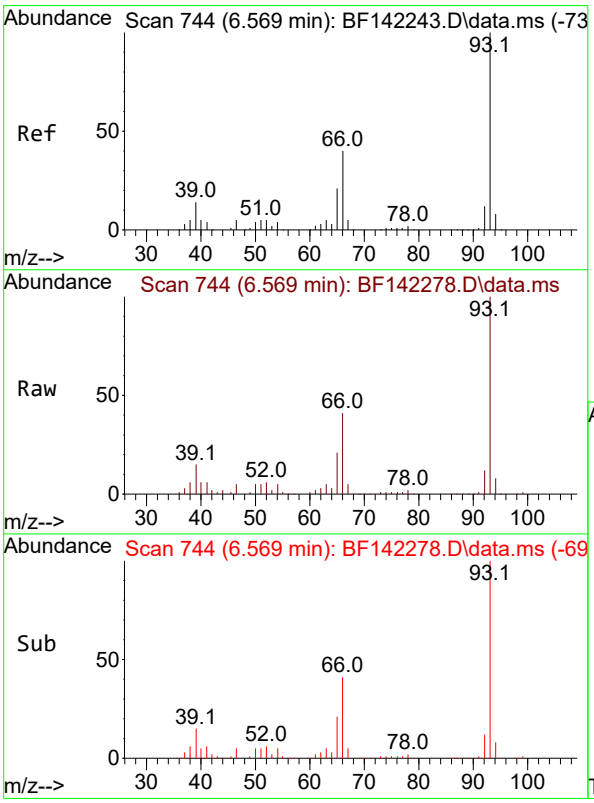
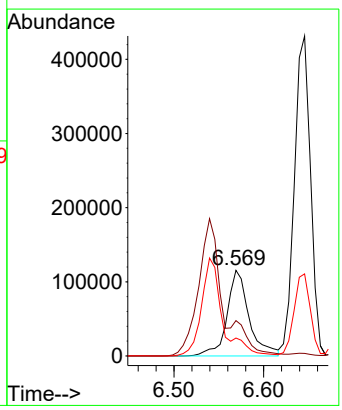


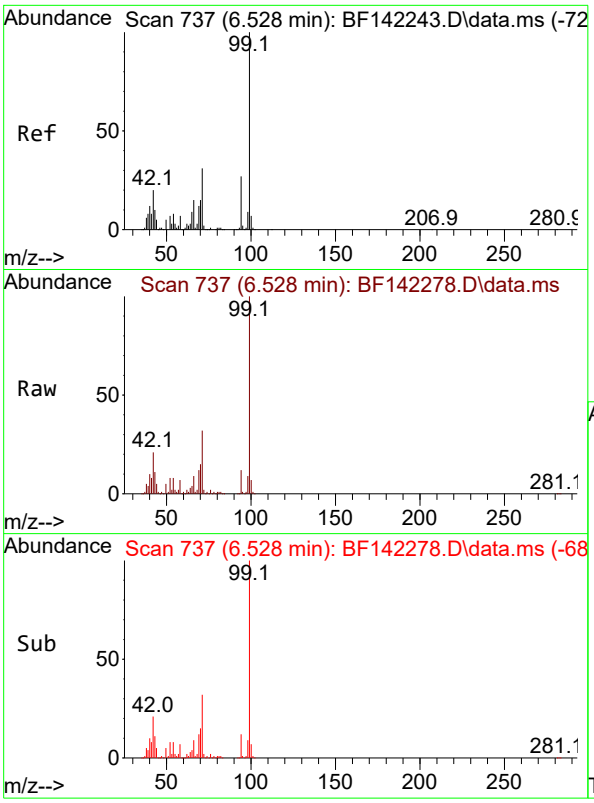


#6
Aniline
Concen: 8.499 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 93 Resp: 197398

Ion	Ratio	Lower	Upper
93	100		
66	41.3	32.1	48.1
65	21.0	16.6	24.8

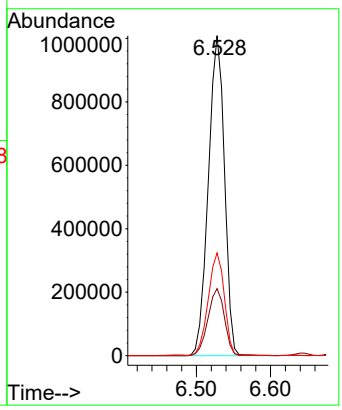




#7
Phenol-d6
Concen: 92.834 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 99 Resp: 152339

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.1	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

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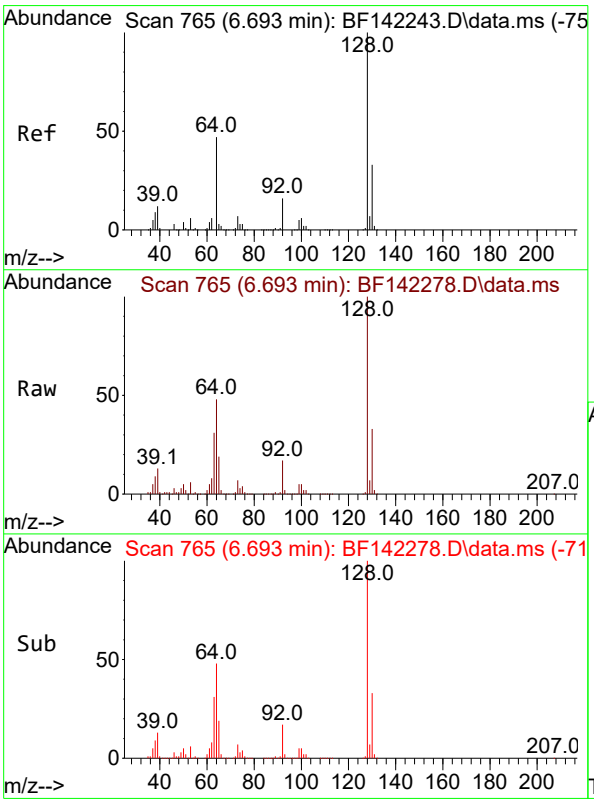
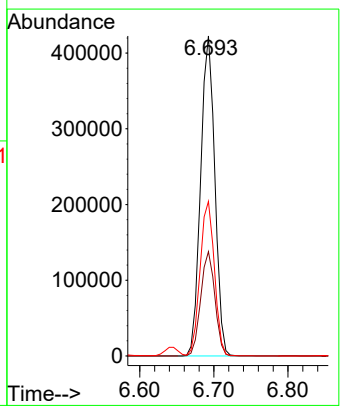
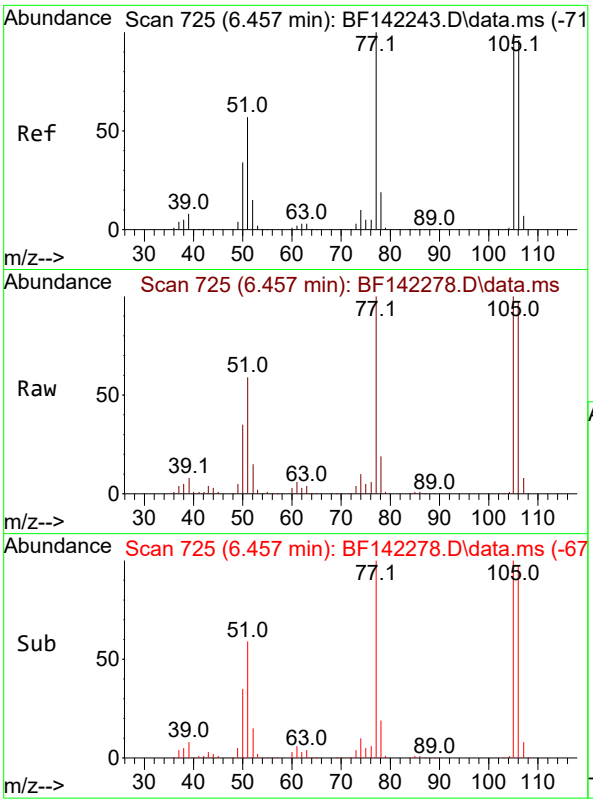


#8
2-Chlorophenol
Concen: 40.089 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:128 Resp: 562936

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.1	53.1
64	48.3	28.6	68.6

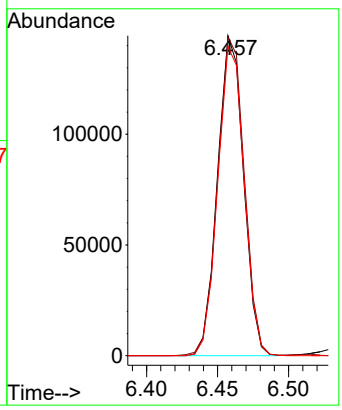




#9
Benzaldehyde
Concen: 16.038 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 77 Resp: 18395

Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.1	119.1
106	96.6	76.0	116.0



Instrument :
BNA_F
ClientSampleId :
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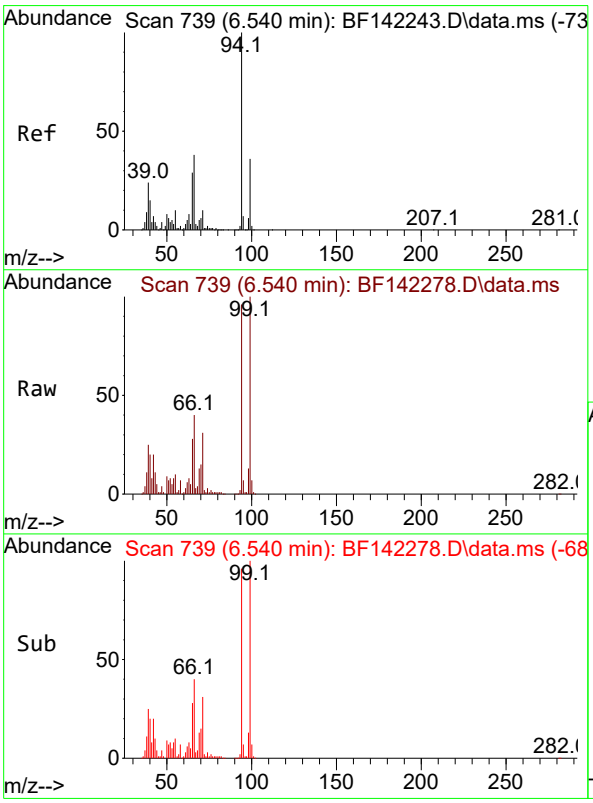
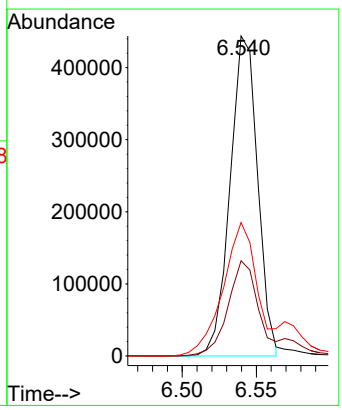
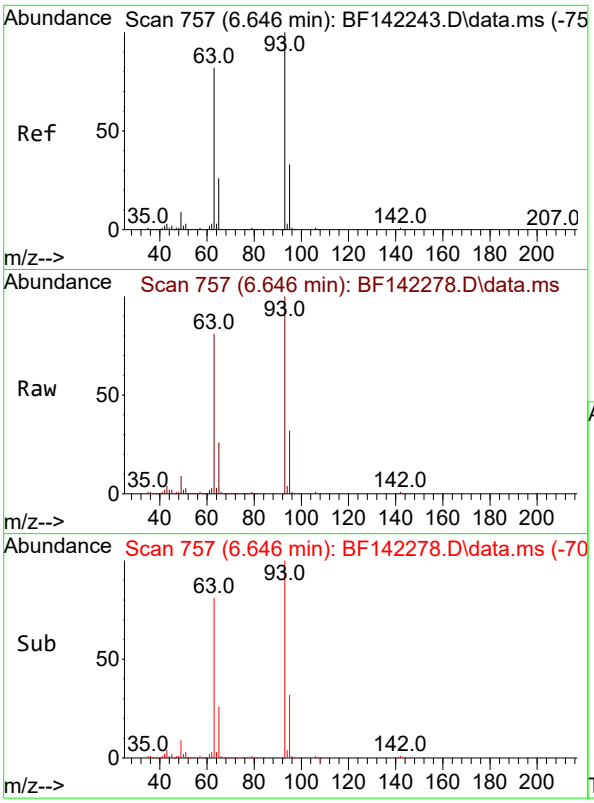


#10
Phenol
Concen: 32.370 ng m
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 94 Resp: 571858

Ion	Ratio	Lower	Upper
94	100		
65	29.7	8.9	48.9
66	41.7	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 38.919 ng
RT: 6.646 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 93 Resp: 53280

Ion	Ratio	Lower	Upper
93	100		
63	81.3	62.2	102.2
95	31.8	12.7	52.7

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

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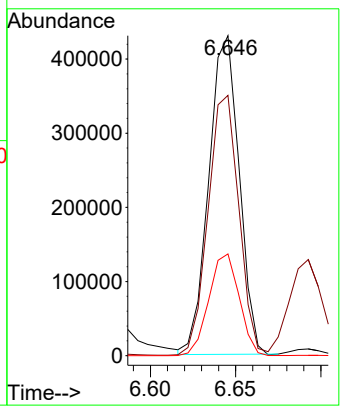
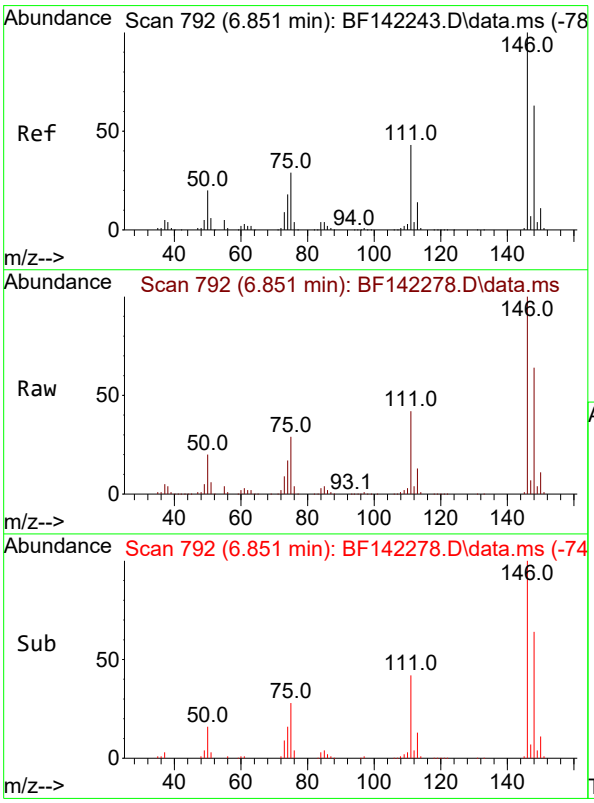
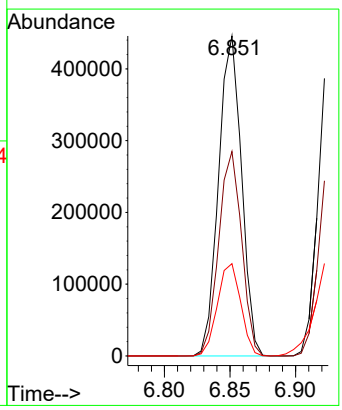


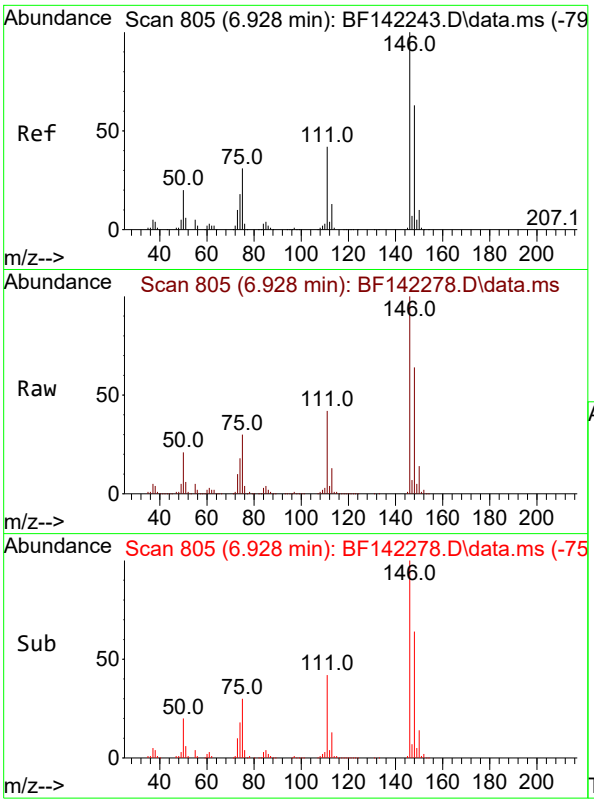


#12
1,3-Dichlorobenzene
Concen: 34.140 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:146 Resp: 542334

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
75	28.8	23.2	34.8

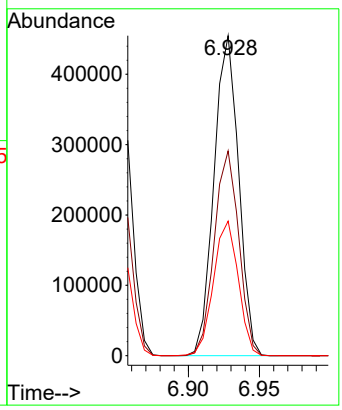




#13
1,4-Dichlorobenzene
Concen: 34.253 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:146 Resp: 54821

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	76.0
111	42.1	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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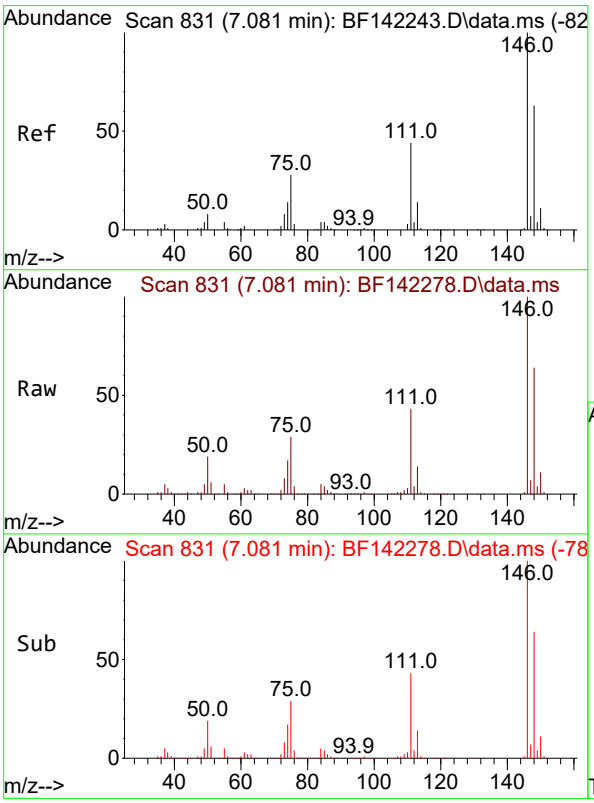
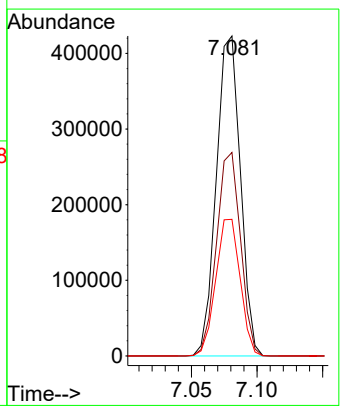
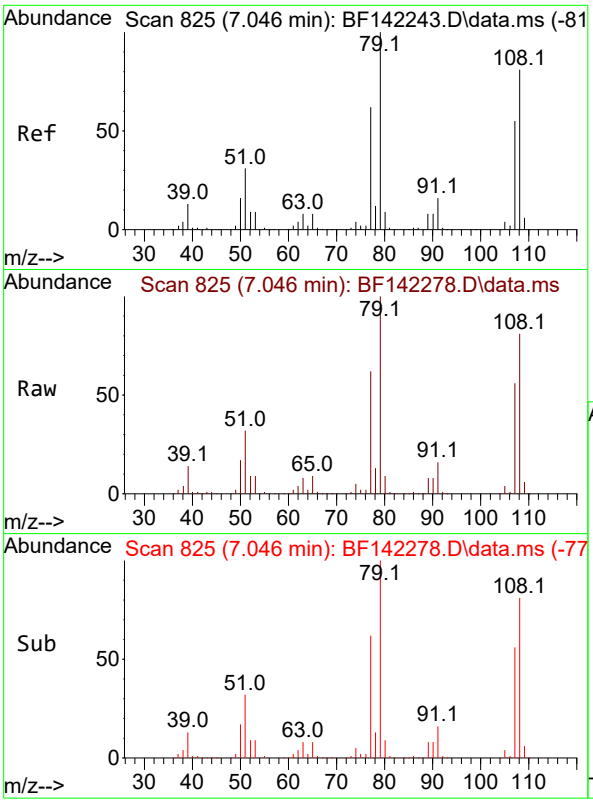


#14
1,2-Dichlorobenzene
Concen: 35.379 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:146 Resp: 540561

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	42.7	34.9	52.3





#15
Benzyl Alcohol
Concen: 41.092 ng
RT: 7.046 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 79 Resp: 47824

Ion	Ratio	Lower	Upper
79	100		
108	80.7	64.5	96.7
77	62.2	49.2	73.8

Instrument :
BNA_F
ClientSampleId :
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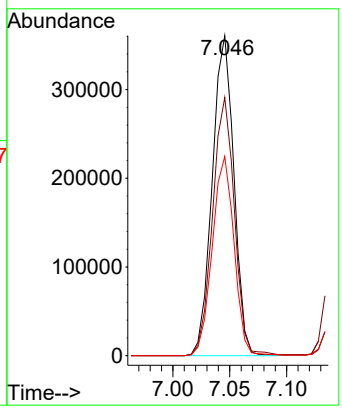
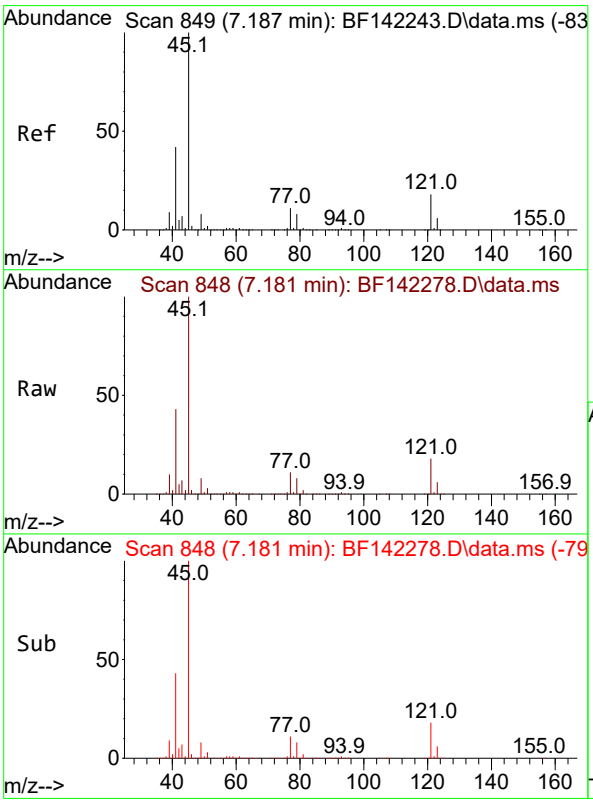
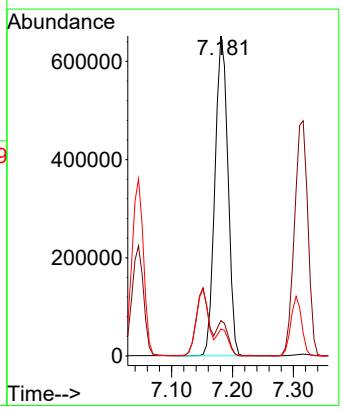


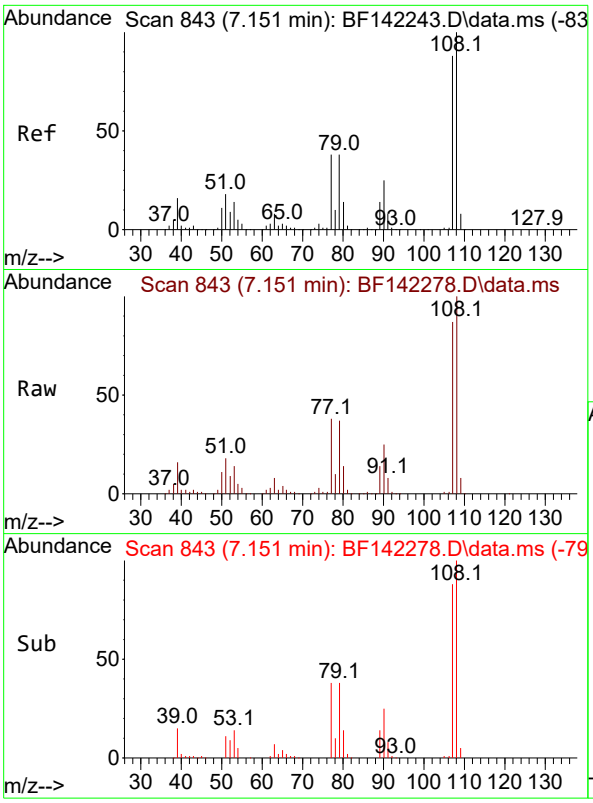


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.874 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 45 Resp: 960997

Ion	Ratio	Lower	Upper
45	100		
77	11.0	0.0	31.3
79	8.4	0.0	28.5

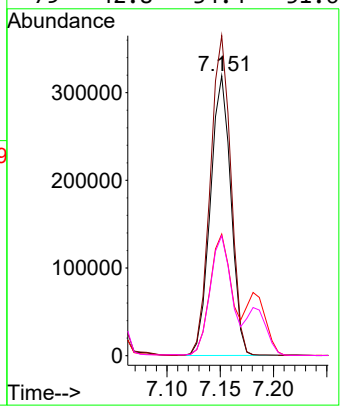




#17
2-Methylphenol
Concen: 37.168 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:107 Resp: 42755

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.4
77	43.5	34.4	51.6
79	42.8	34.4	51.6



Instrument :
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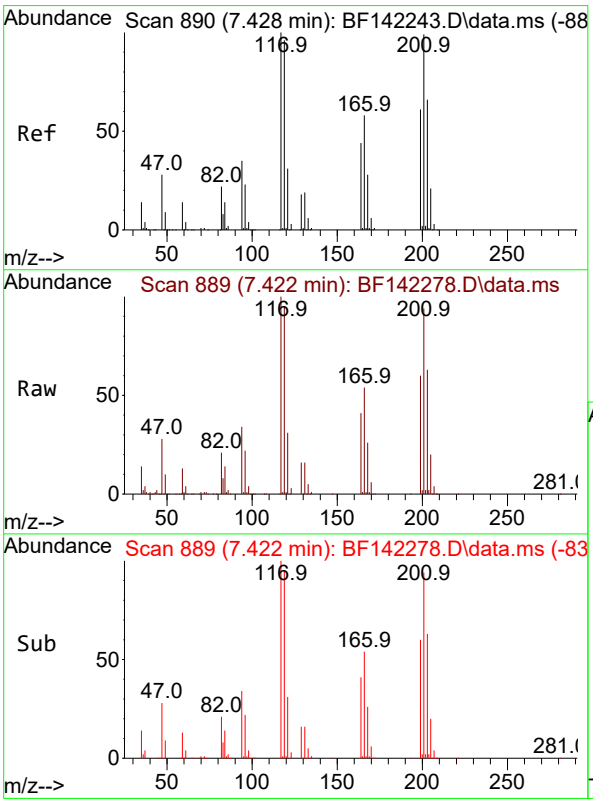
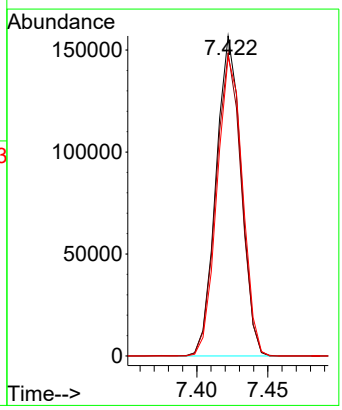
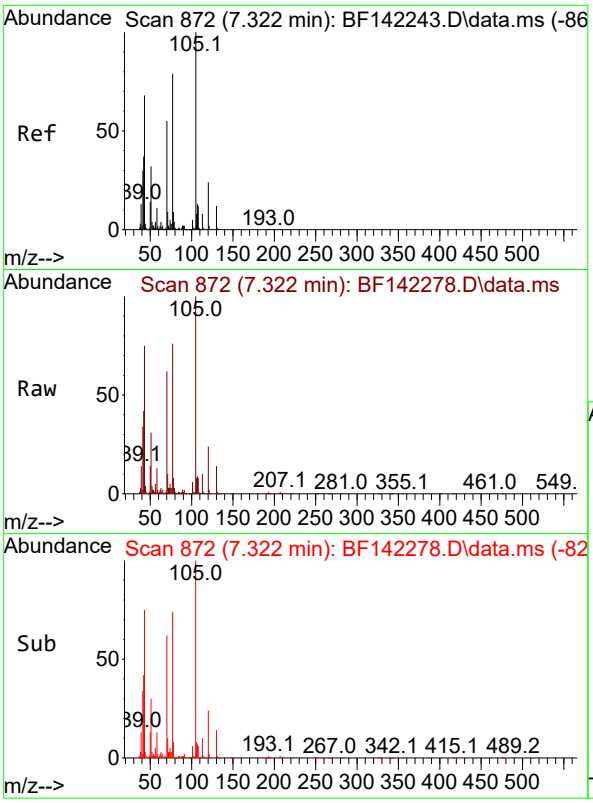


#18
Hexachloroethane
Concen: 36.766 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:117 Resp: 192593

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.1	115.7
201	93.5	79.4	119.2

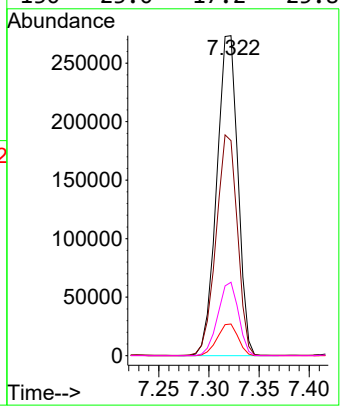




#19
n-Nitroso-di-n-propylamine
Concen: 39.523 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 70 Resp: 40078

Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.4	80.2
101	9.9	7.7	11.5
130	23.0	17.2	25.8



Instrument :
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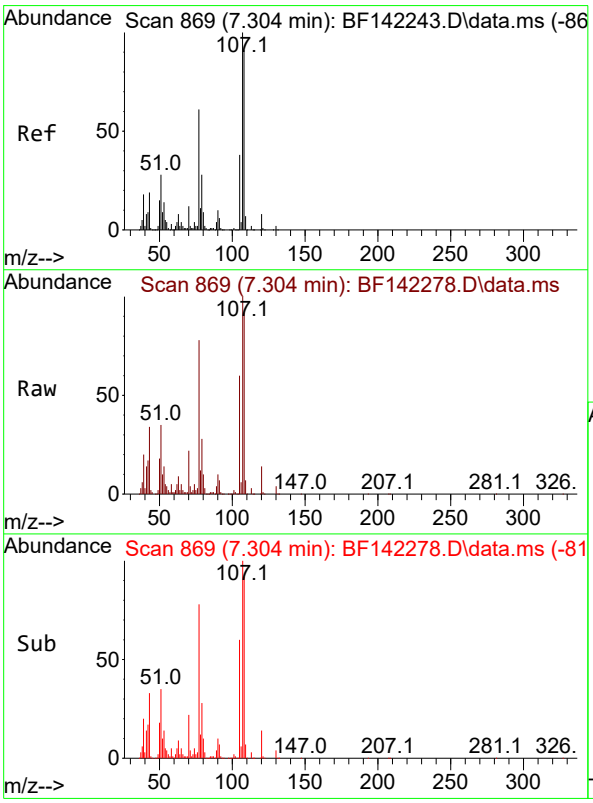
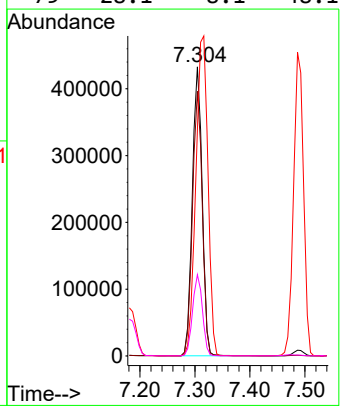
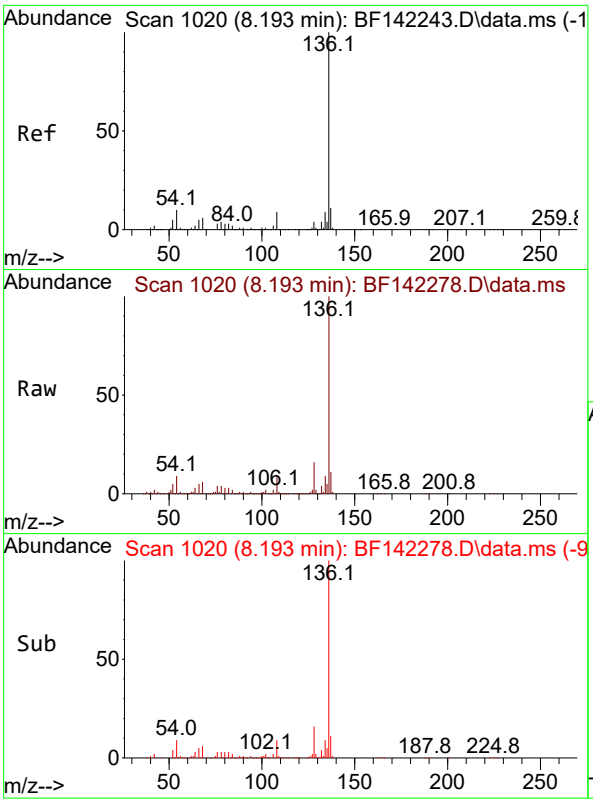


#20
3+4-Methylphenols
Concen: 37.414 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:107 Resp: 538223

Ion	Ratio	Lower	Upper
107	100		
108	91.5	71.2	111.2
77	78.2	41.1	81.1
79	28.1	8.1	48.1

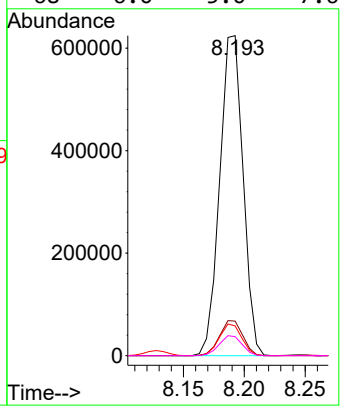




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:136 Resp: 83293(

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.3	7.7	11.5
68	6.0	5.0	7.6



Instrument :
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ClientSampleId :
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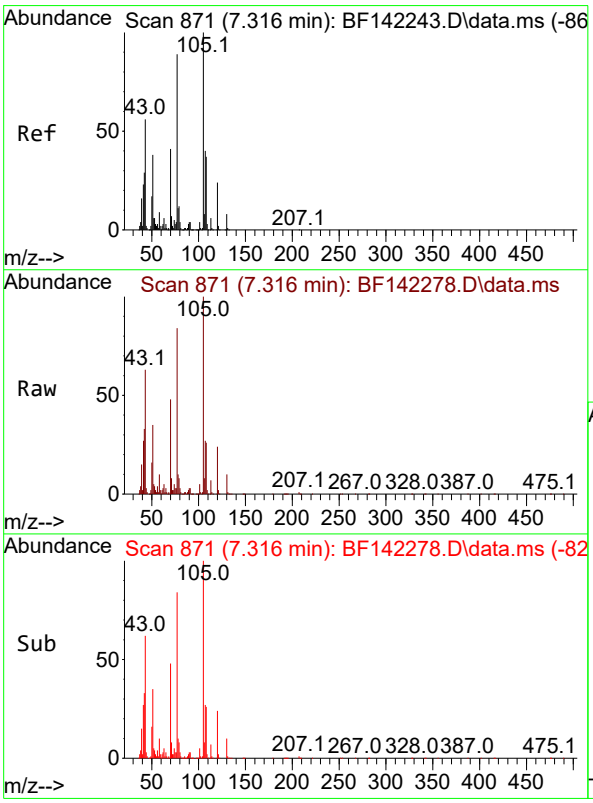
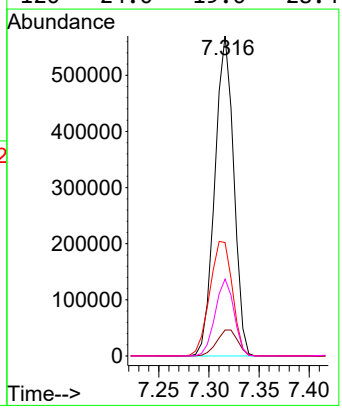
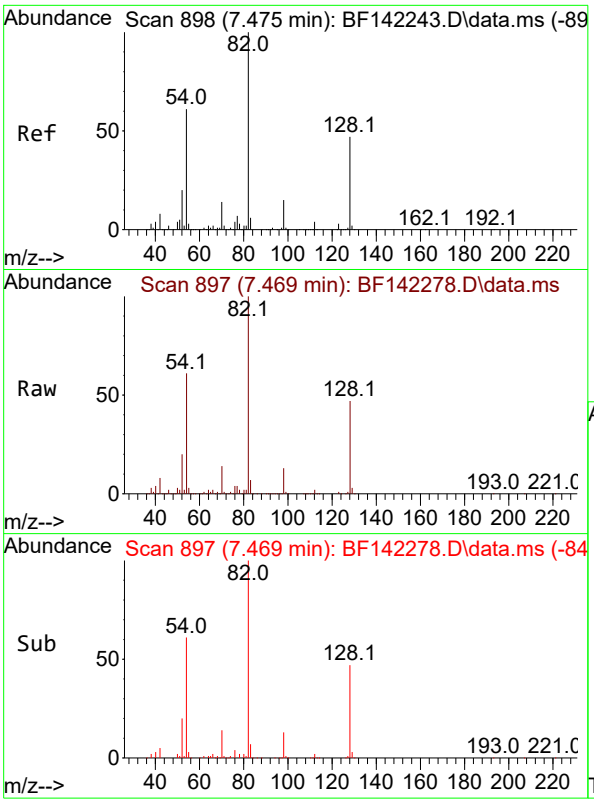


#22
Acetophenone
Concen: 38.819 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:105 Resp: 748030

Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.7	8.5
51	35.4	30.1	45.1
120	24.0	19.0	28.4

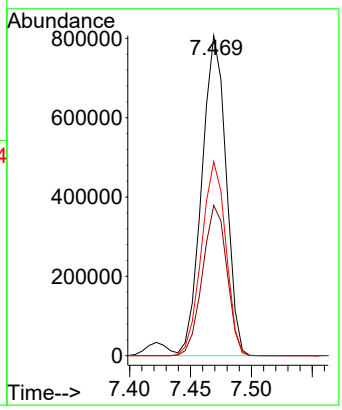




#23
Nitrobenzene-d5
Concen: 87.769 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 82 Resp: 111277

Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.0	55.6
54	60.6	48.0	72.0



Instrument :
BNA_F
ClientSampleId :
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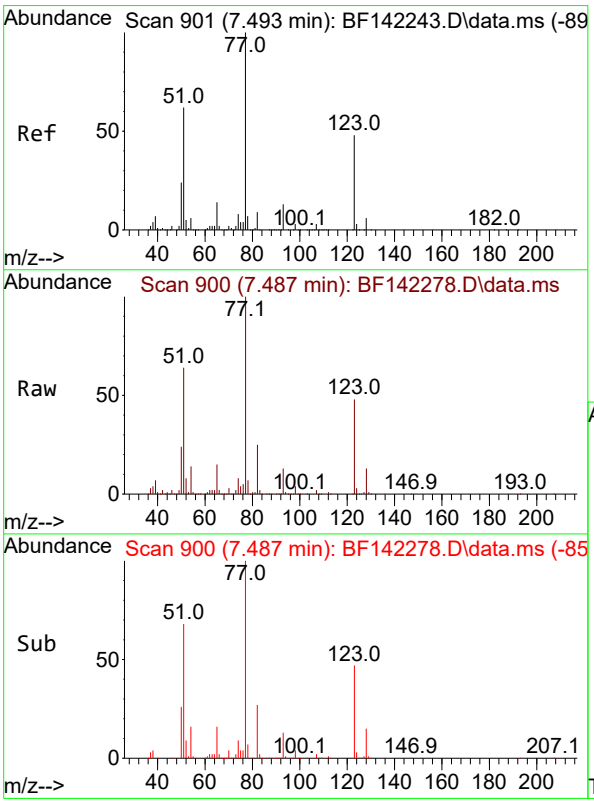
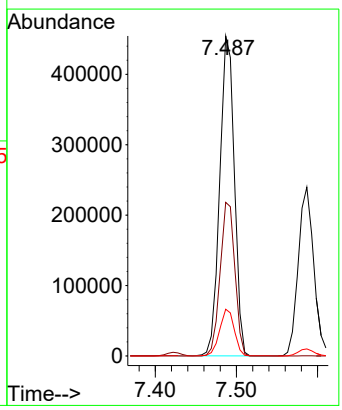
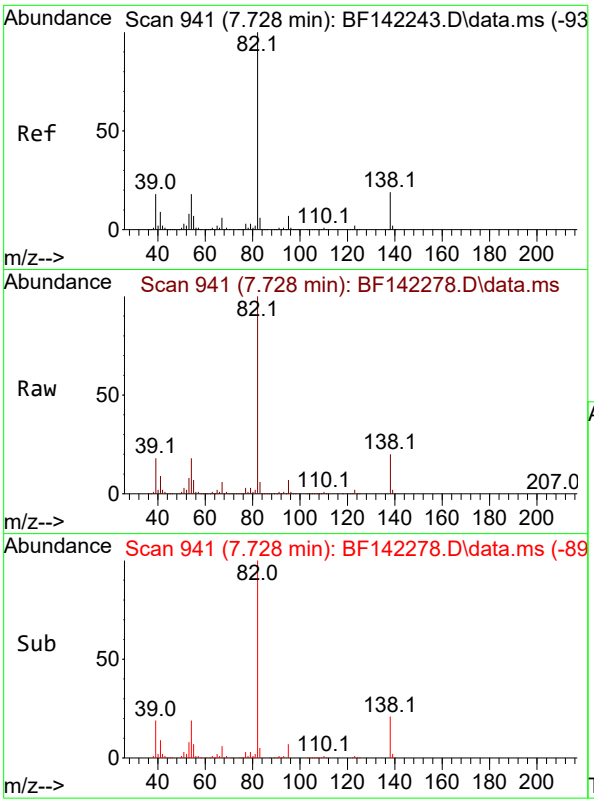


#24
Nitrobenzene
Concen: 45.910 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 77 Resp: 571114

Ion	Ratio	Lower	Upper
77	100		
123	48.0	38.6	58.0
65	14.6	11.5	17.3





#25
Isophorone
Concen: 40.426 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 82 Resp: 107568

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	19.8	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
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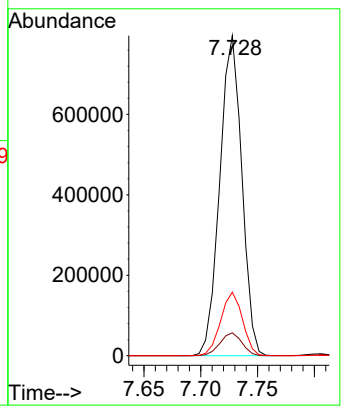
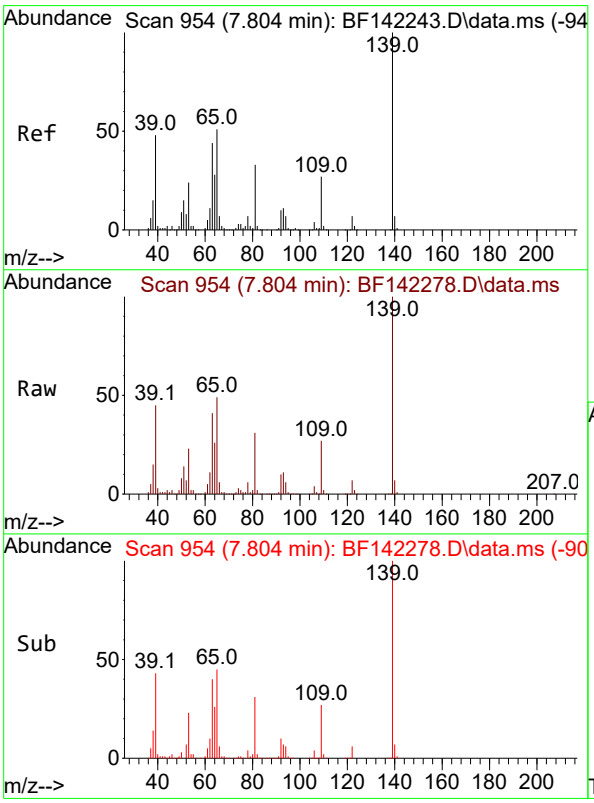
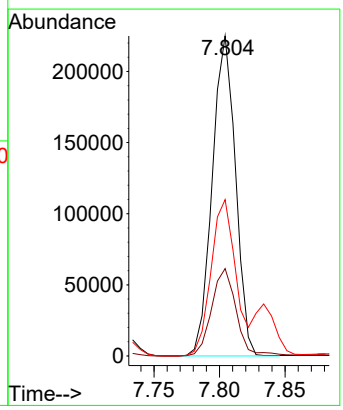


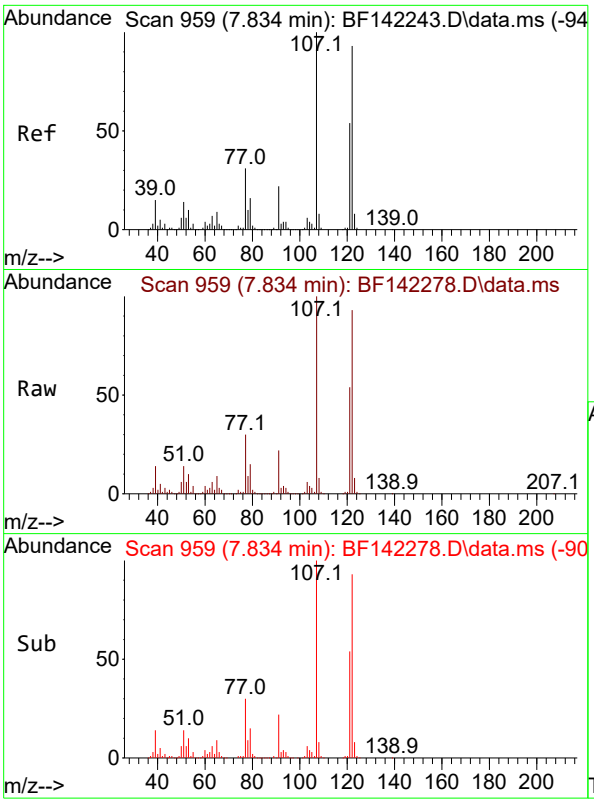


#26
2-Nitrophenol
Concen: 51.929 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:139 Resp: 277477

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.8	32.8
65	48.8	41.1	61.7





#27
2,4-Dimethylphenol
Concen: 36.919 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:122 Resp: 49529

Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.0	129.0
121	58.0	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
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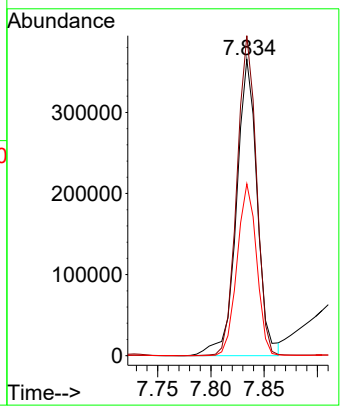
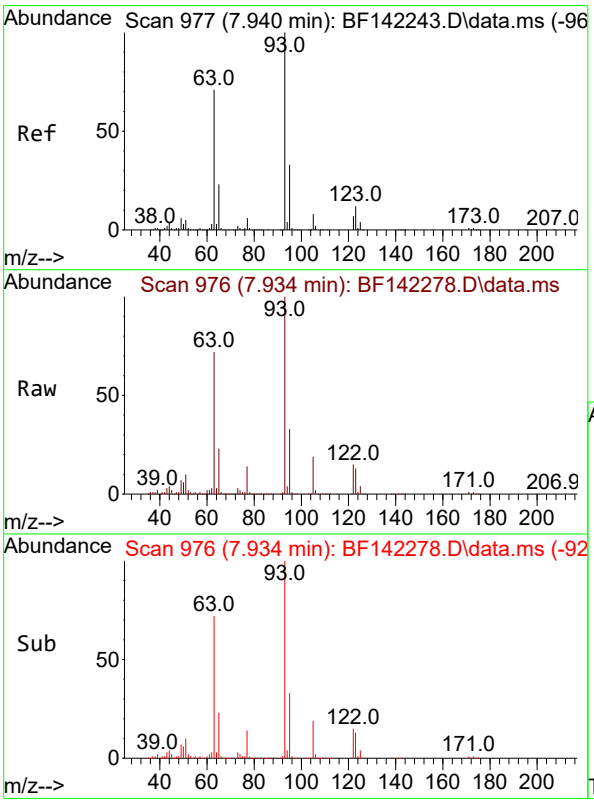
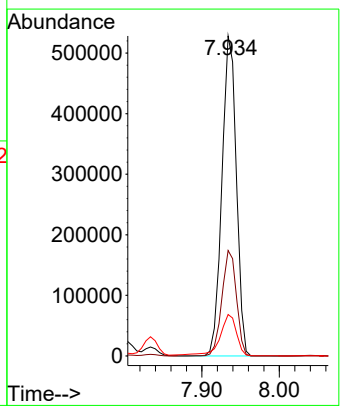


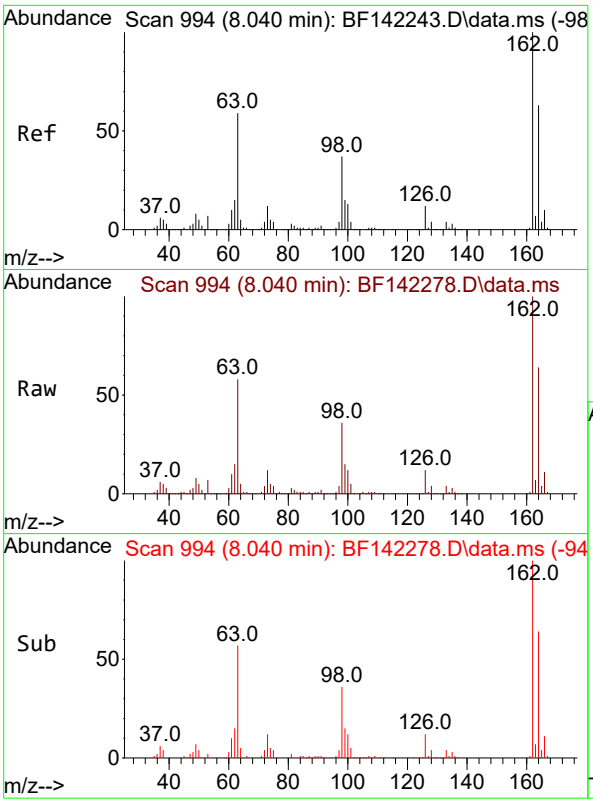


#28
bis(2-Chloroethoxy)methane
Concen: 40.843 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 93 Resp: 685392

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	13.0	9.7	14.5

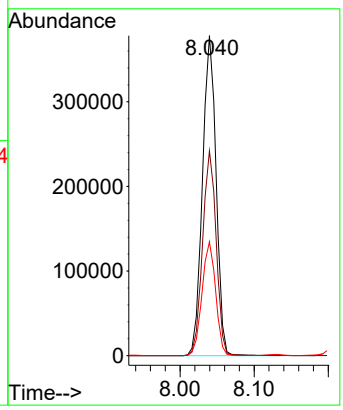




#29
2,4-Dichlorophenol
Concen: 43.112 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:162 Resp: 48354

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.0	83.0
98	35.6	16.7	56.7



Instrument :
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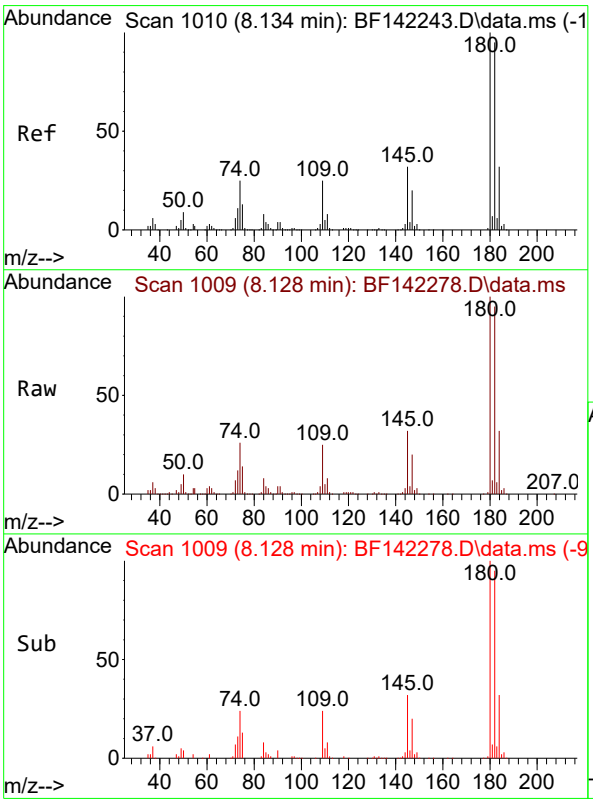
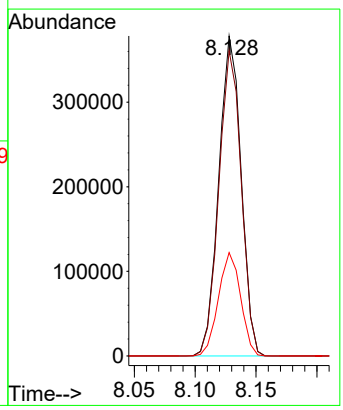
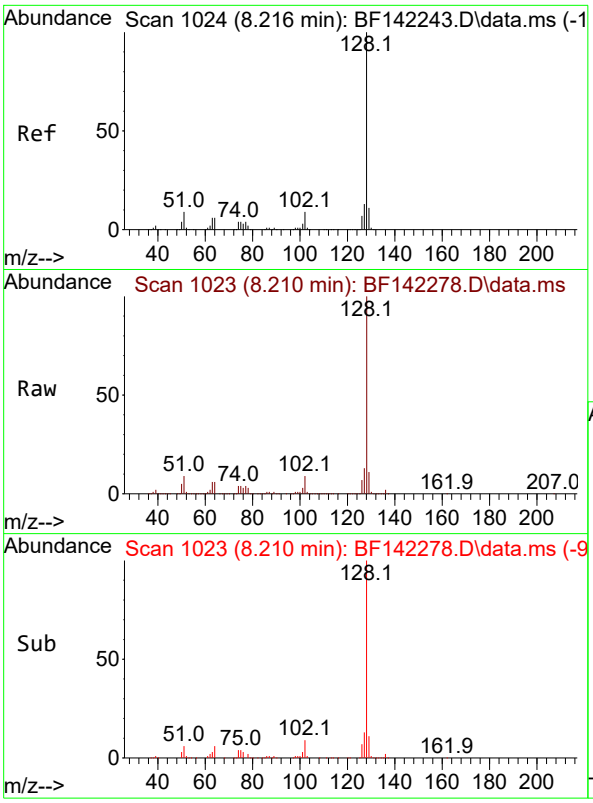


#30
1,2,4-Trichlorobenzene
Concen: 38.586 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:180 Resp: 482951

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.7	113.5
145	32.3	25.4	38.0





#31
Naphthalene
Concen: 38.745 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:128 Resp: 160941

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.4
127	13.3	10.6	15.8

Instrument :
BNA_F
ClientSampleId :
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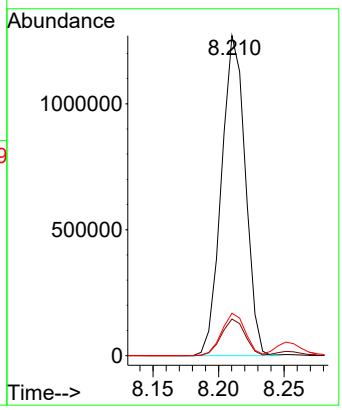
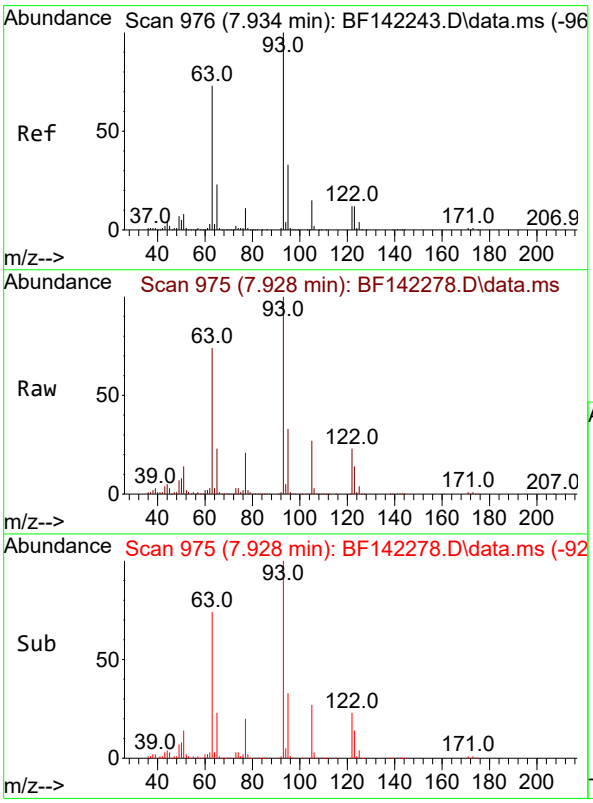
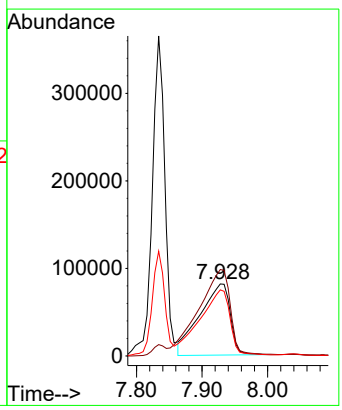


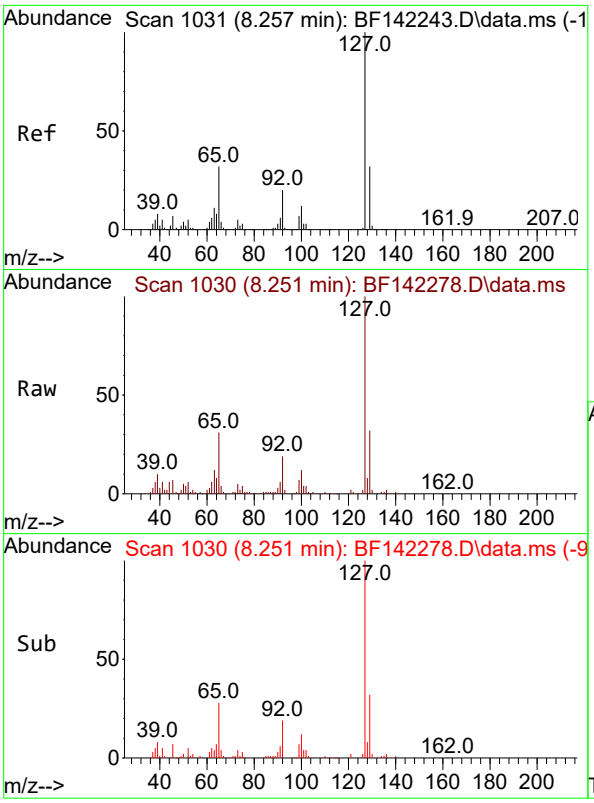


#32
Benzoic acid
Concen: 42.769 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:122 Resp: 263320

Ion	Ratio	Lower	Upper
122	100		
105	119.9	98.2	138.2
77	91.8	66.8	106.8

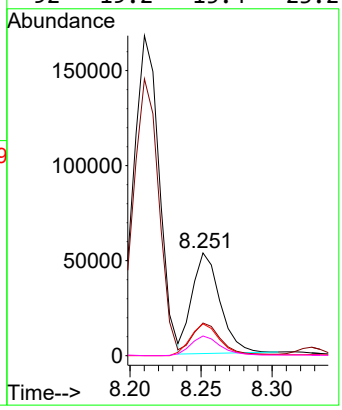




#33
4-Chloroaniline
Concen: 4.193 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:127 Resp: 7253

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	31.0	25.5	38.3
92	19.2	15.4	23.2



Instrument :
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ClientSampleId :
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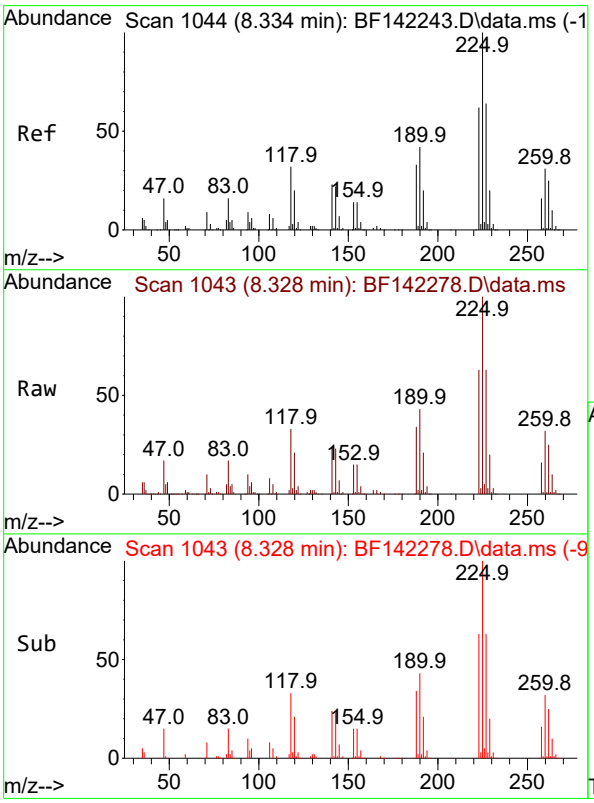
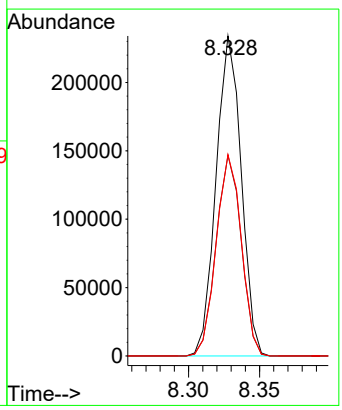
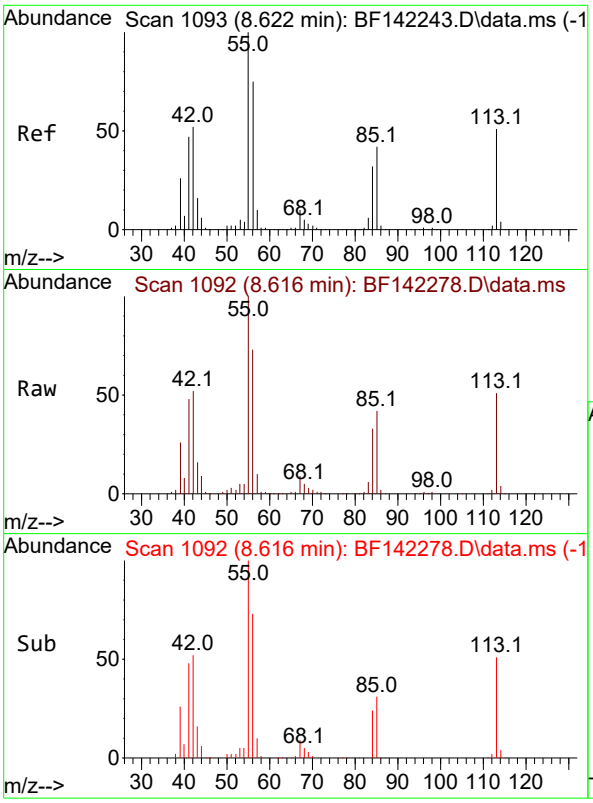


#34
Hexachlorobutadiene
Concen: 39.436 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:225 Resp: 287976

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.7	74.5
227	62.9	51.0	76.4

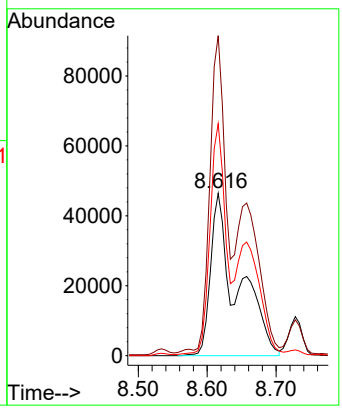




#35
Caprolactam
Concen: 37.167 ng m
RT: 8.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:113 Resp: 12530

Ion	Ratio	Lower	Upper
113	100		
55	197.1	177.7	217.7
56	142.9	127.1	167.1



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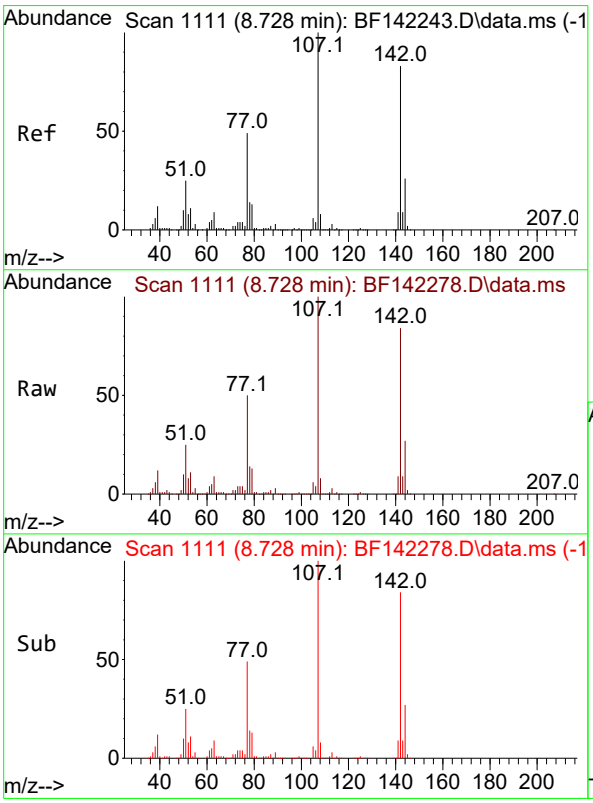
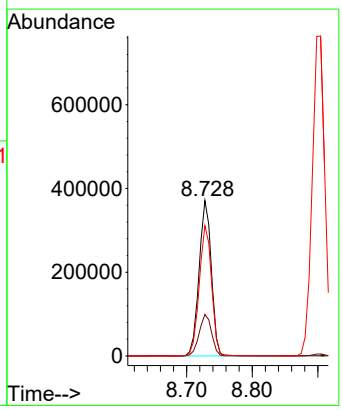
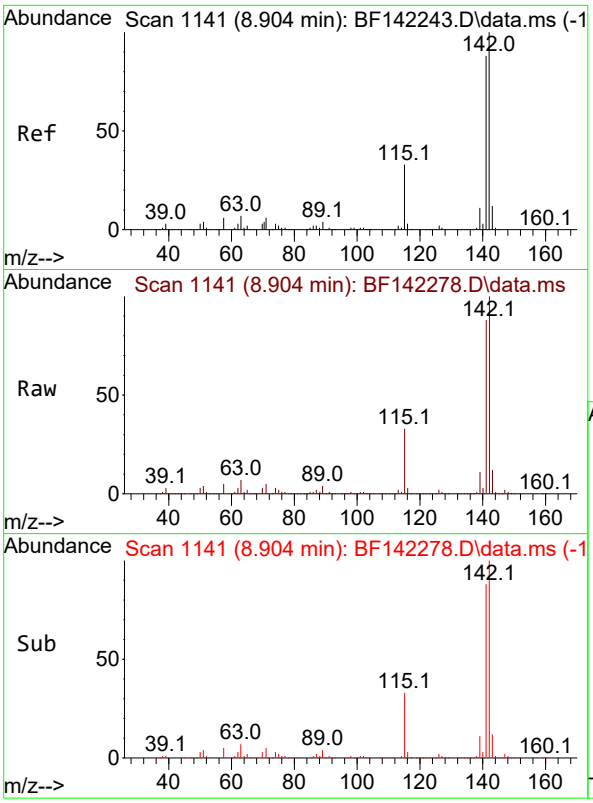


#36
4-Chloro-3-methylphenol
Concen: 42.095 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:107 Resp: 484815

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.0	31.4
142	83.9	66.1	99.1





#37
2-Methylnaphthalene
Concen: 39.656 ng
RT: 8.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:142 Resp: 101278

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7

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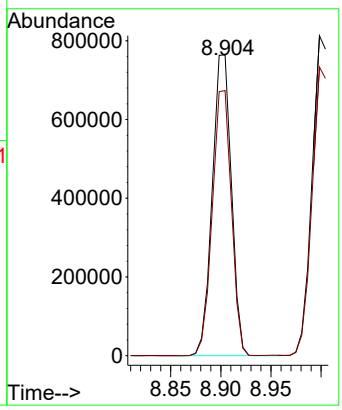
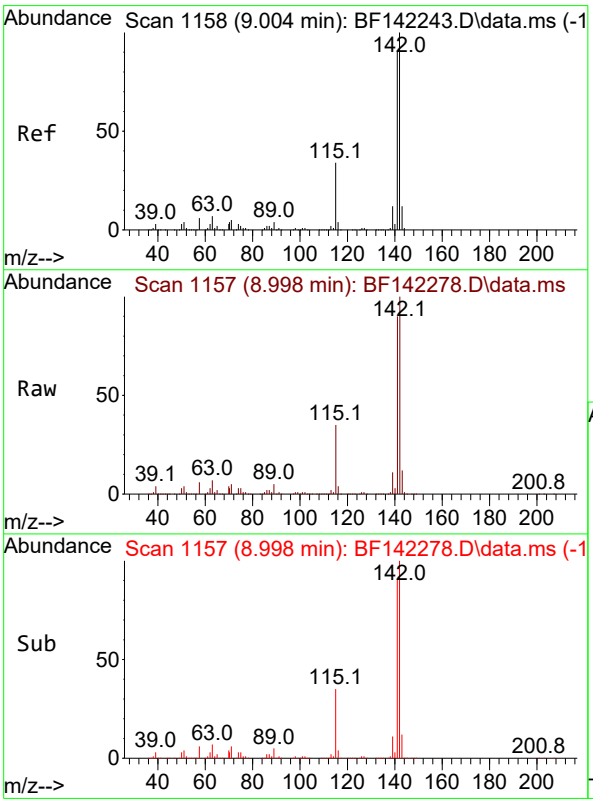
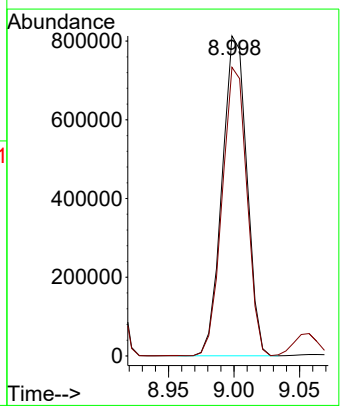


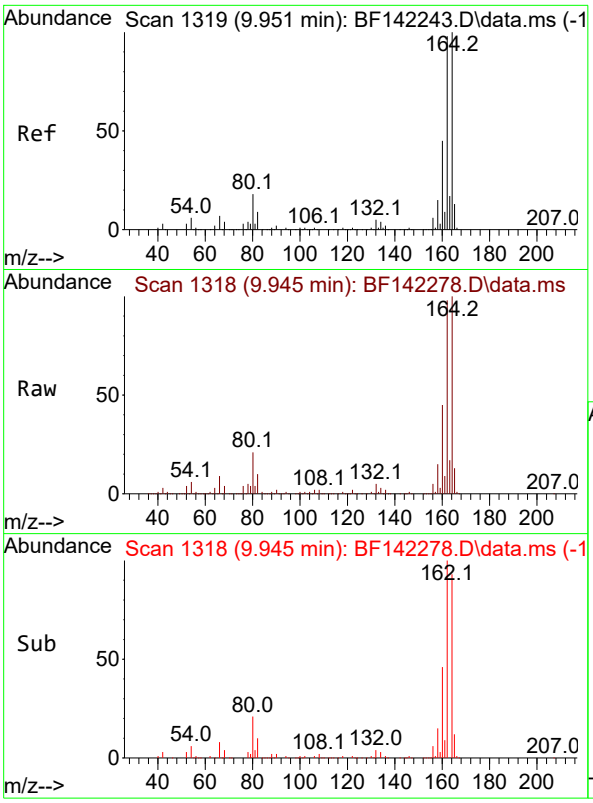


#38
1-Methylnaphthalene
Concen: 40.276 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:142 Resp: 1065609

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.8	109.2

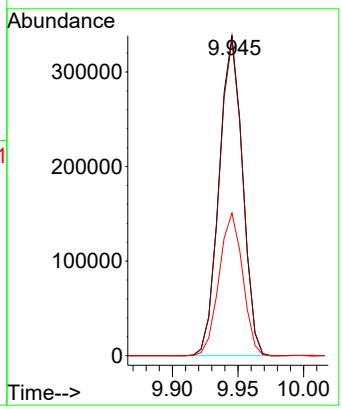




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:164 Resp: 41940

Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.6	117.8
160	44.5	35.7	53.5



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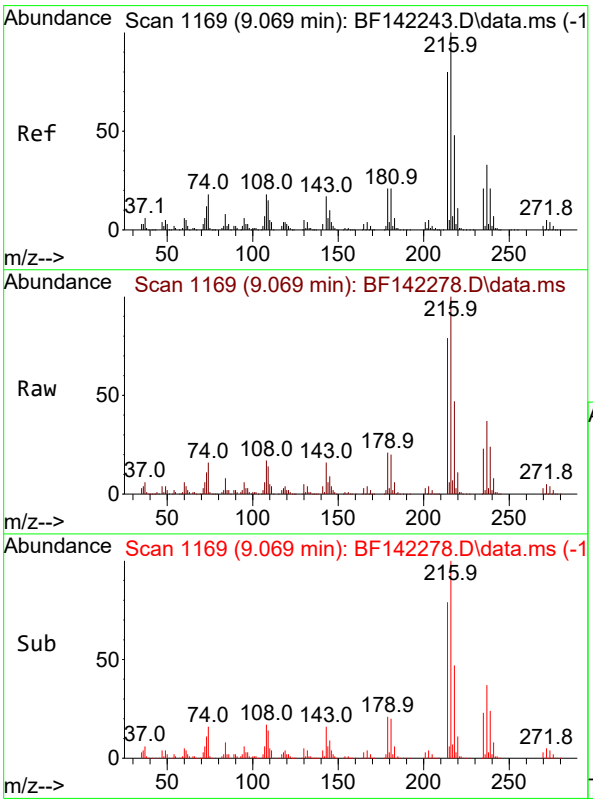
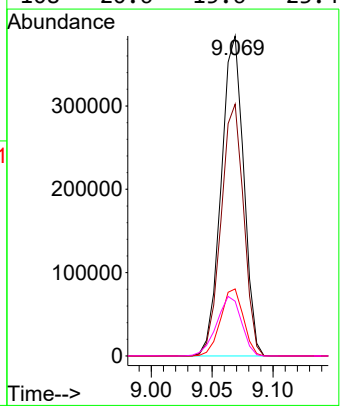
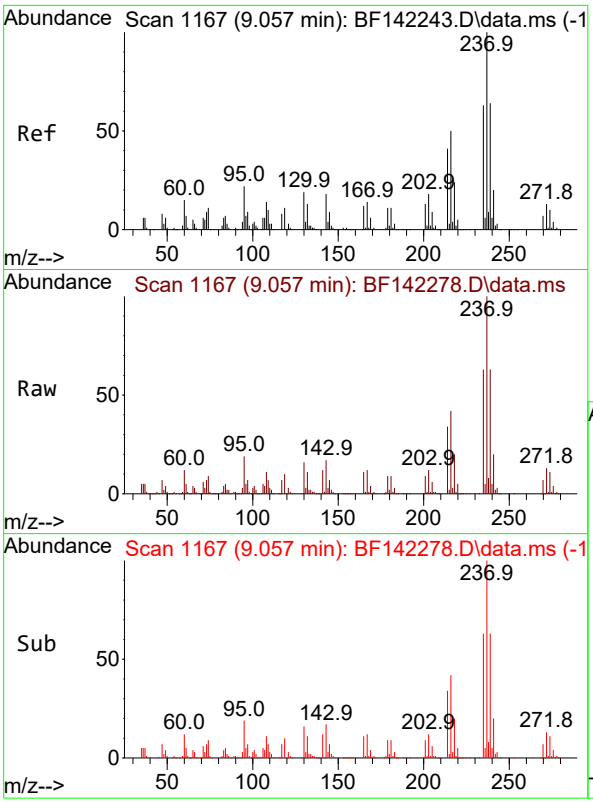


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.817 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:216 Resp: 493589

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	21.2	16.7	25.1
108	20.6	15.6	23.4

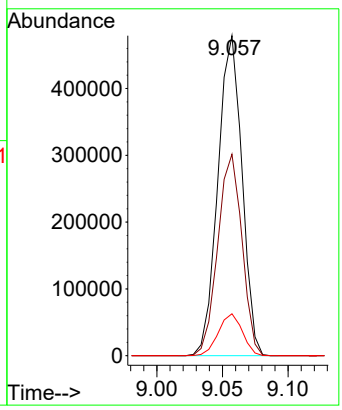




#41
Hexachlorocyclopentadiene
Concen: 91.299 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:237 Resp: 61161

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.5	83.5
272	13.1	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
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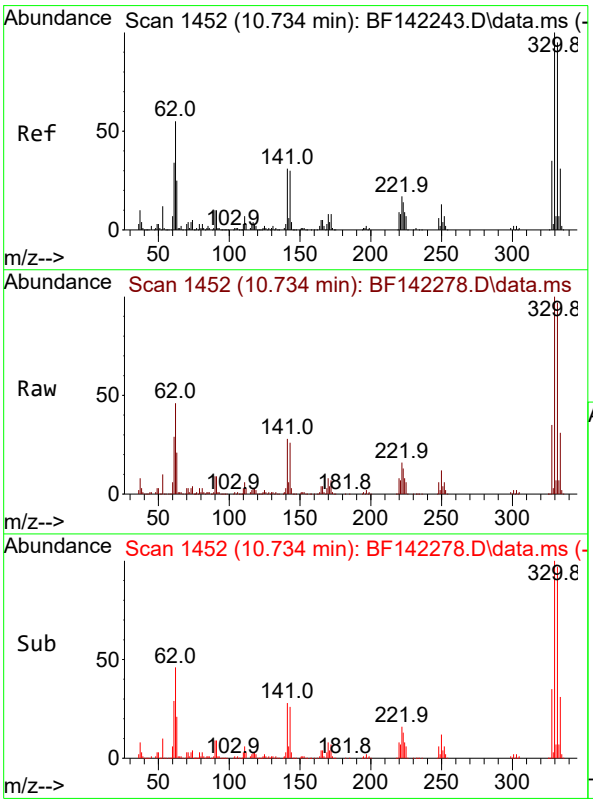
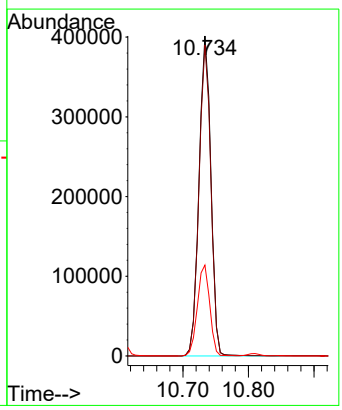
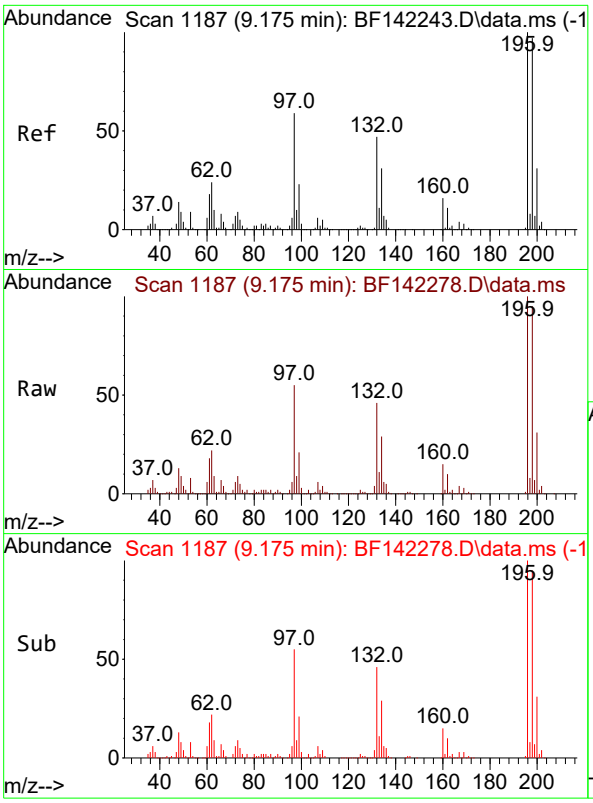


#42
2,4,6-Tribromophenol
Concen: 132.507 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:330 Resp: 506639

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.5	114.7
141	29.5	24.3	36.5

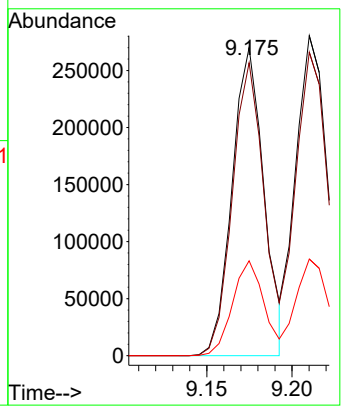




#43
2,4,6-Trichlorophenol
Concen: 48.009 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:196 Resp: 35114

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.4	116.2
200	30.8	24.6	37.0



Instrument :
BNA_F
ClientSampleId :
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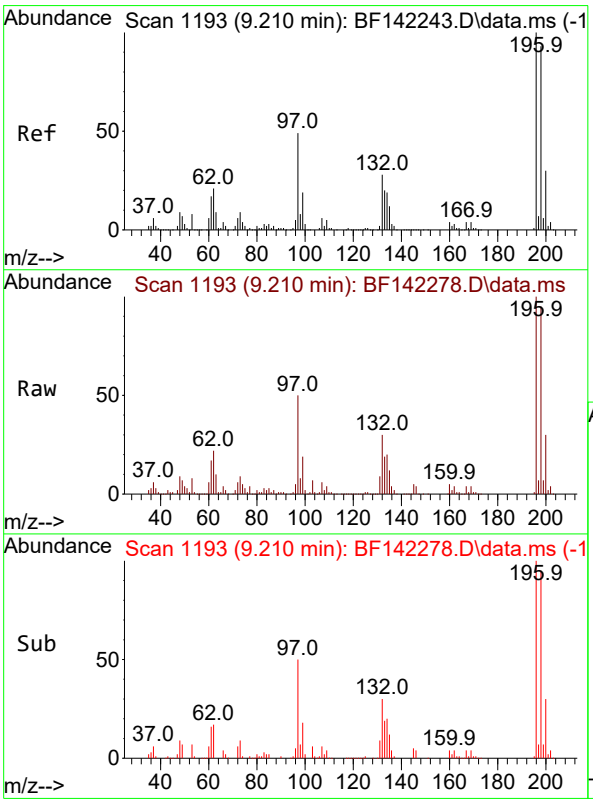
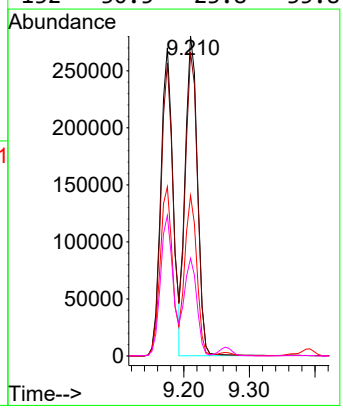
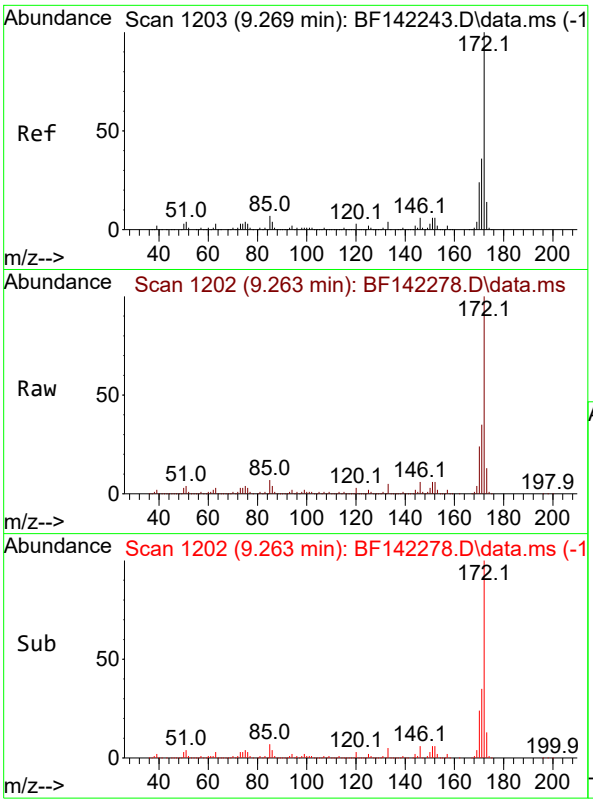


#44
2,4,5-Trichlorophenol
Concen: 47.034 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:196 Resp: 361688

Ion	Ratio	Lower	Upper
196	100		
198	94.8	75.2	112.8
97	50.1	39.8	59.8
132	30.5	23.8	35.8

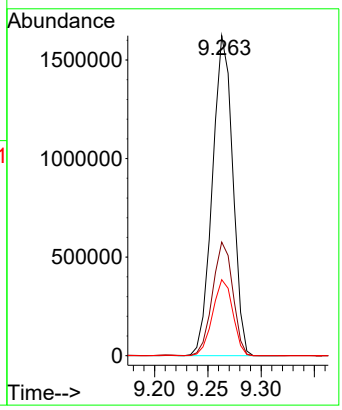




#45
2-Fluorobiphenyl
Concen: 72.323 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:172 Resp: 215130

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.8	19.4	29.0



Instrument :
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ClientSampleId :
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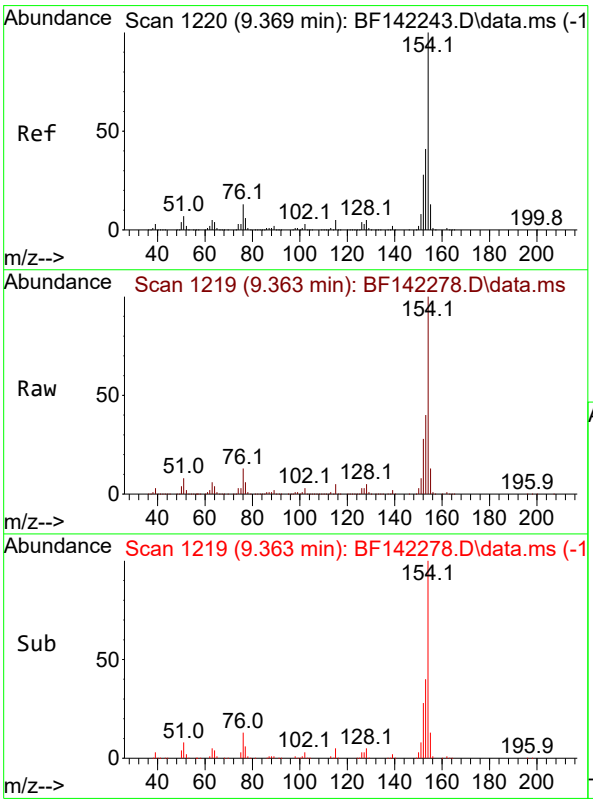
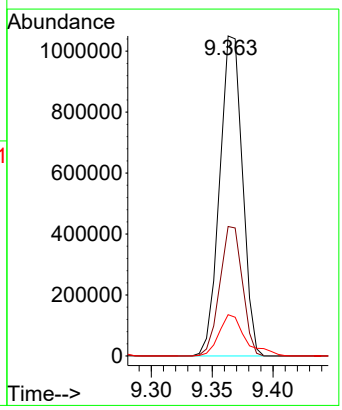
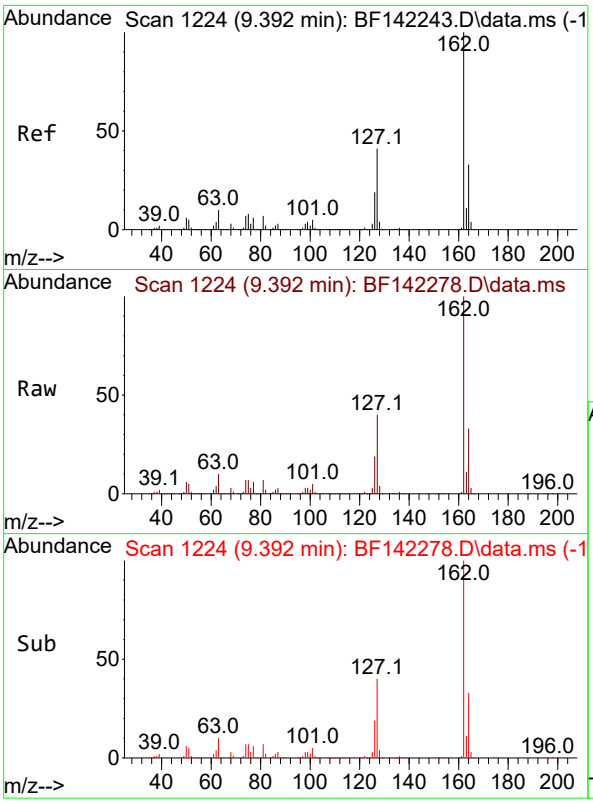


#46
1,1'-Biphenyl
Concen: 41.970 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:154 Resp: 1368430

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.5	60.5
76	12.9	0.0	32.8

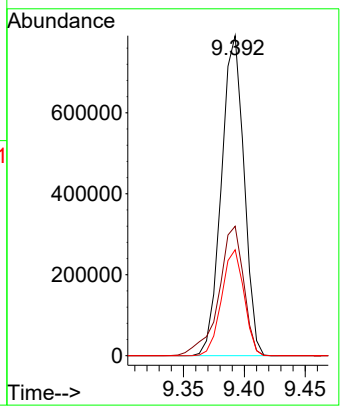




#47
2-Chloronaphthalene
Concen: 42.083 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:162 Resp: 102086

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.6	49.0
164	33.1	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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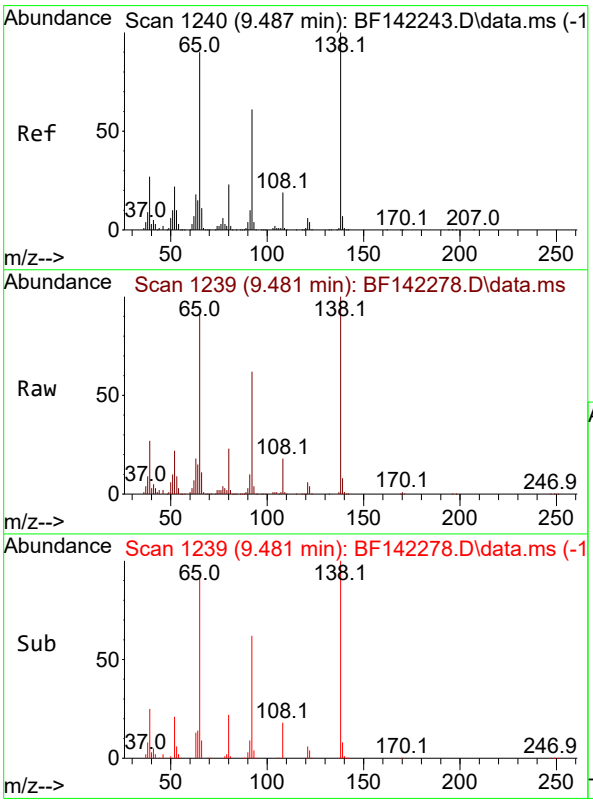
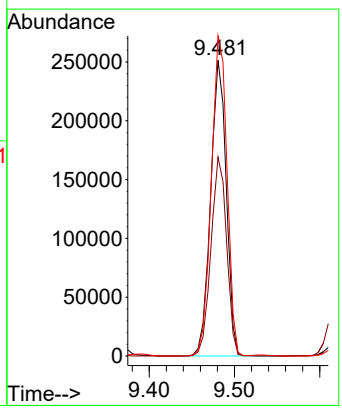
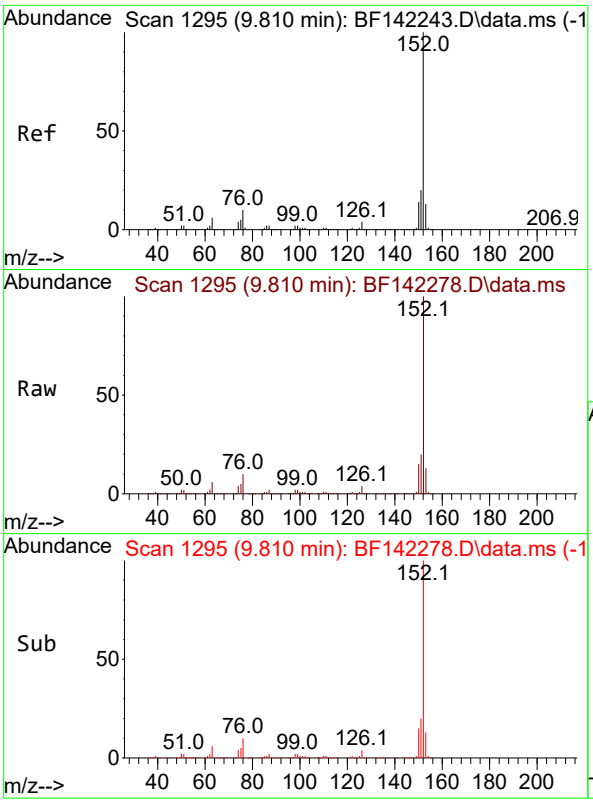


#48
2-Nitroaniline
Concen: 49.782 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 65 Resp: 319718

Ion	Ratio	Lower	Upper
65	100		
92	67.2	54.3	81.5
138	108.2	88.6	133.0

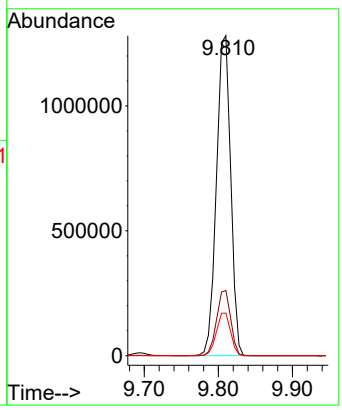




#49
Acenaphthylene
Concen: 41.776 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:152 Resp: 171007

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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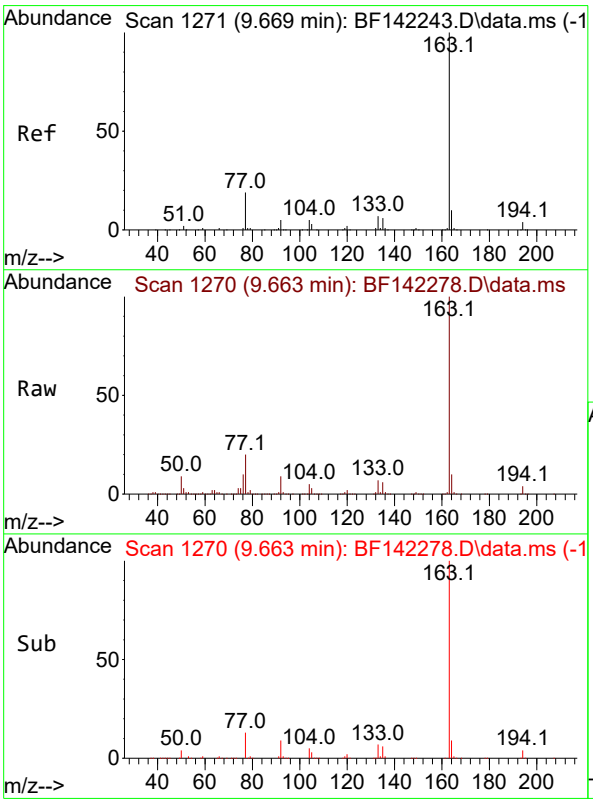
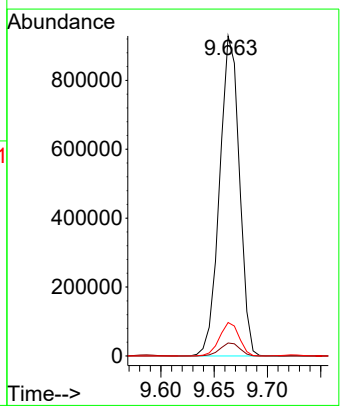
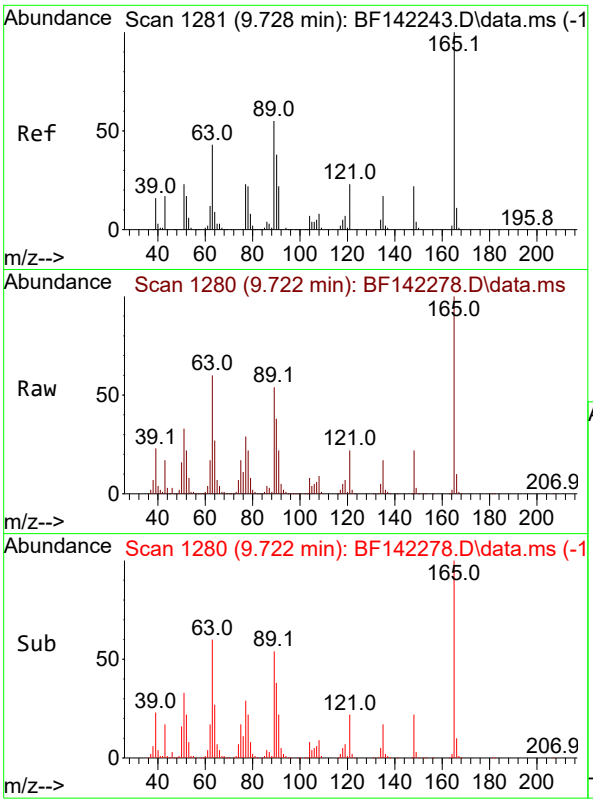


#50
Dimethylphthalate
Concen: 44.716 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:163 Resp: 1199810

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.4	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 49.228 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:165 Resp: 25392

Ion	Ratio	Lower	Upper
165	100		
63	60.1	48.5	72.7
89	53.9	43.9	65.9

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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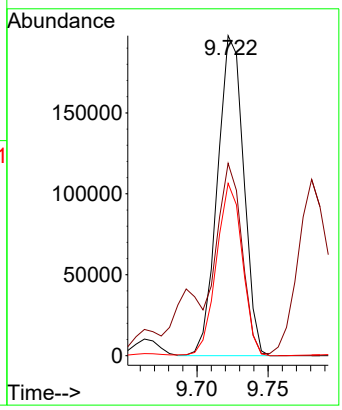
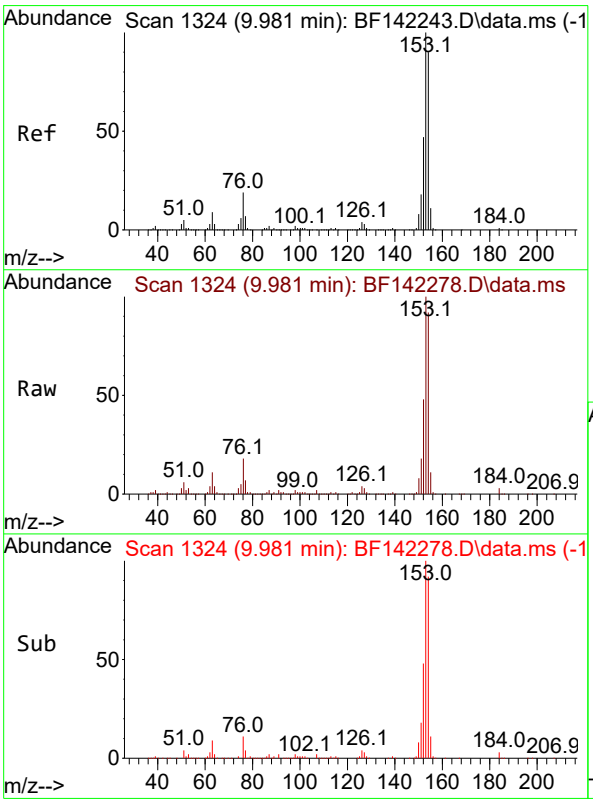
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

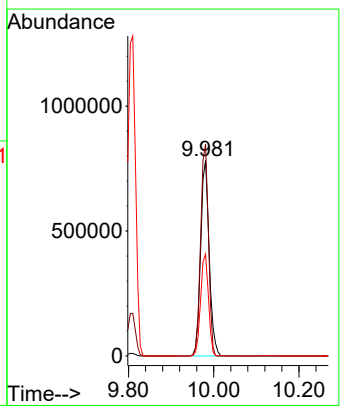


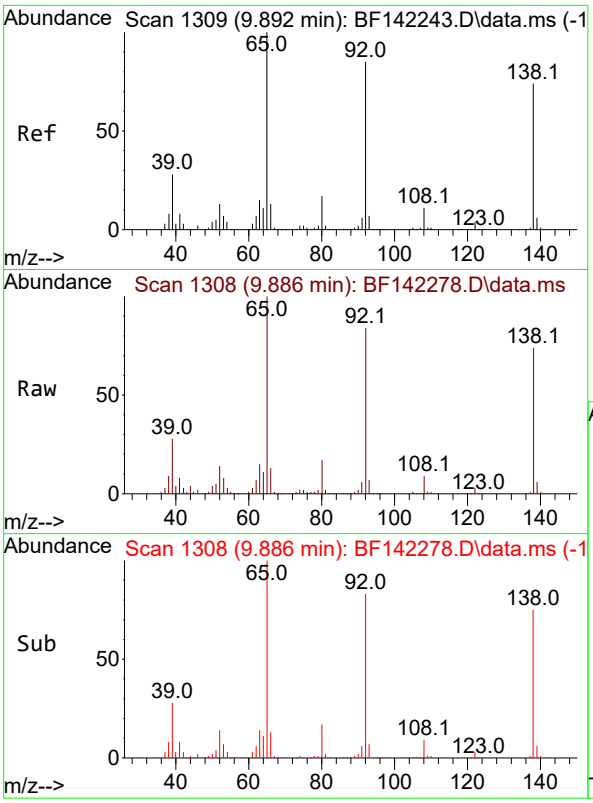


#52
Acenaphthene
Concen: 45.482 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:154 Resp: 1087078

Ion	Ratio	Lower	Upper
154	100		
153	108.5	88.6	133.0
152	52.1	42.1	63.1





#53
3-Nitroaniline
Concen: 17.958 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:138 Resp: 9904

Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.7	17.5
92	112.3	91.2	136.8

Instrument :
BNA_F
ClientSampleId :
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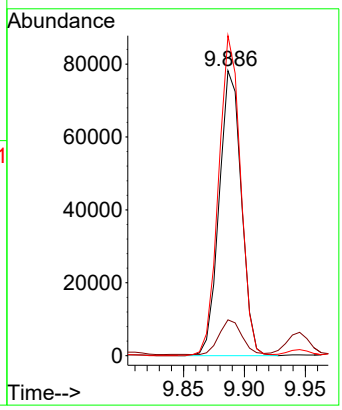
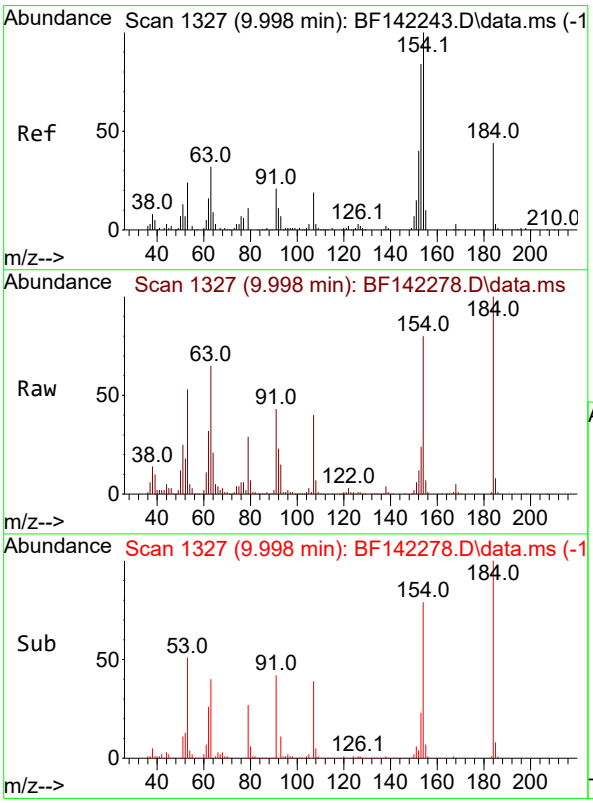
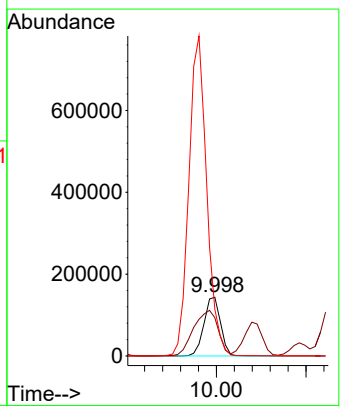


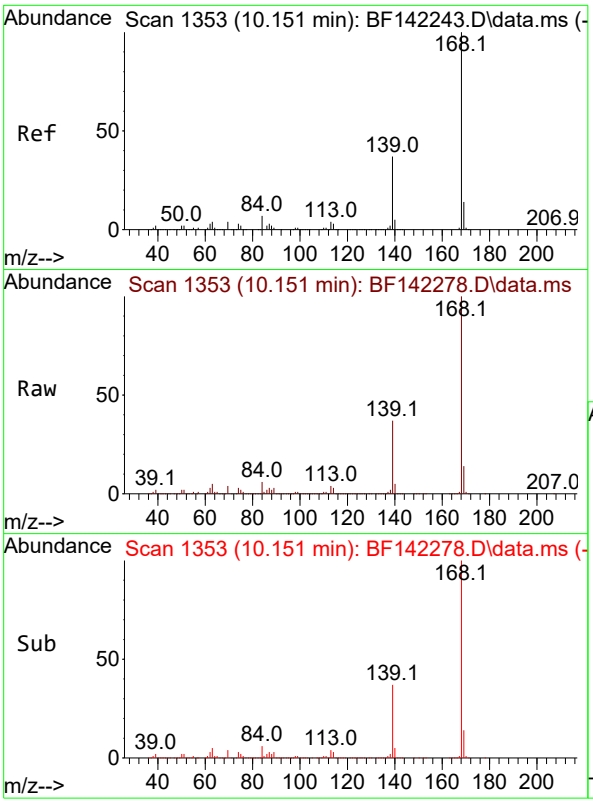


#54
2,4-Dinitrophenol
Concen: 93.898 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:184 Resp: 184644

Ion	Ratio	Lower	Upper
184	100		
63	65.1	69.2	103.8#
154	79.6	271.4	407.2#

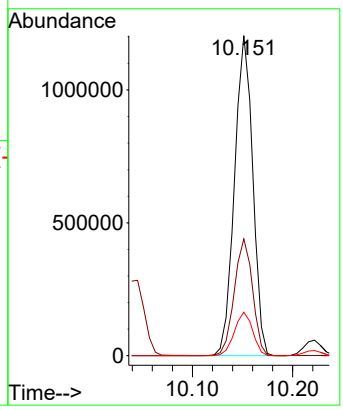




#55
Dibenzofuran
Concen: 42.495 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:168 Resp: 152254

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.4	44.0
169	13.6	11.0	16.4



Instrument :
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ClientSampleId :
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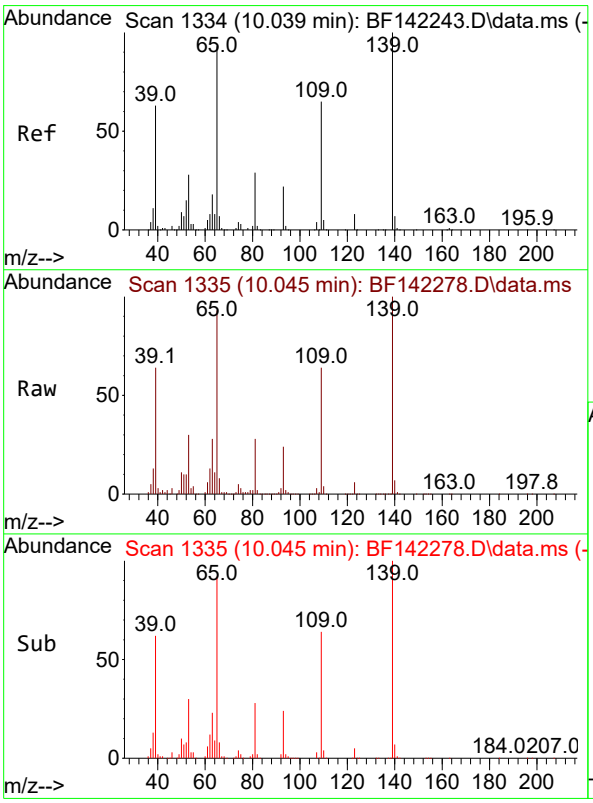
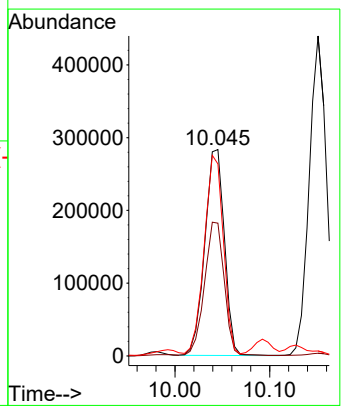
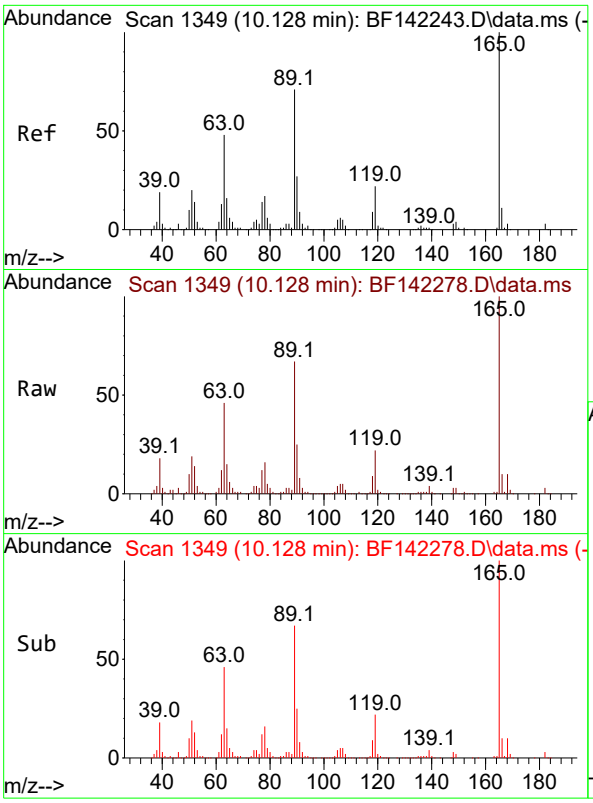


#56
4-Nitrophenol
Concen: 96.548 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:139 Resp: 407185

Ion	Ratio	Lower	Upper
139	100		
109	64.3	44.9	84.9
65	93.1	74.7	114.7

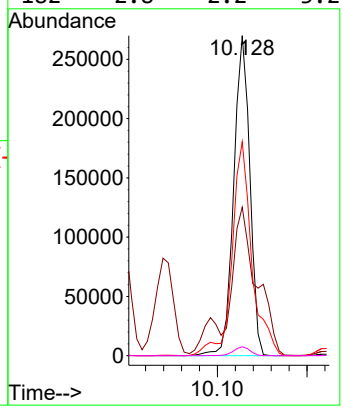




#57
2,4-Dinitrotoluene
Concen: 53.345 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:165 Resp: 33623

Ion	Ratio	Lower	Upper
165	100		
63	46.4	38.8	58.2
89	66.8	57.1	85.7
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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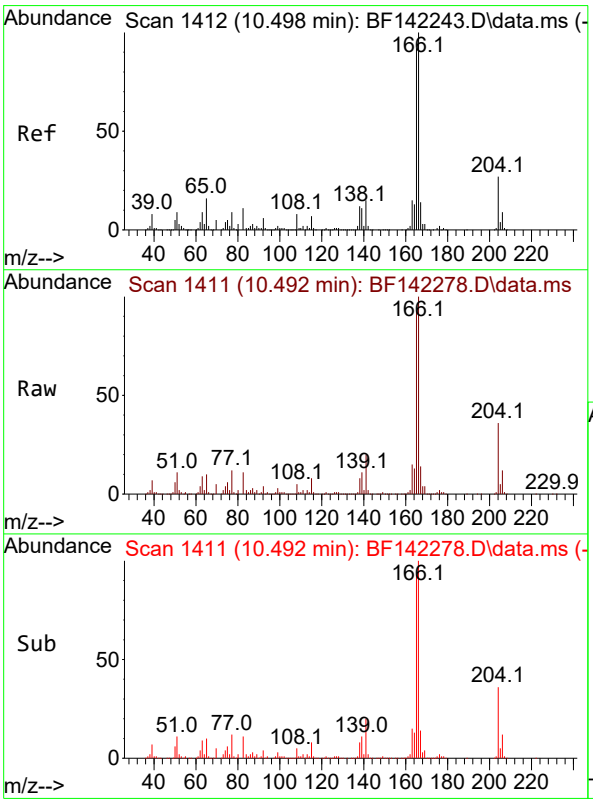
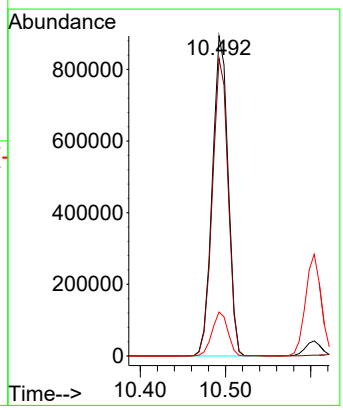
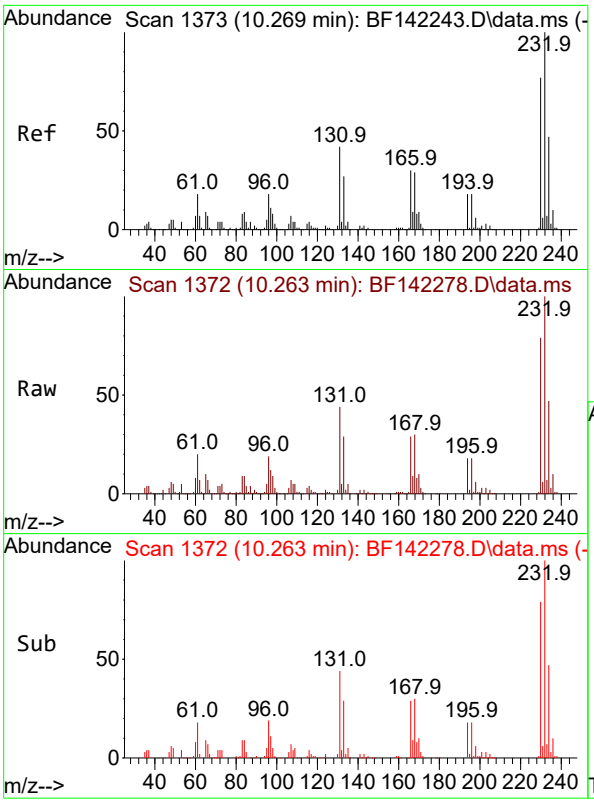


#58
Fluorene
Concen: 42.008 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:166 Resp: 1144424

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.9	110.9
167	13.8	10.8	16.2

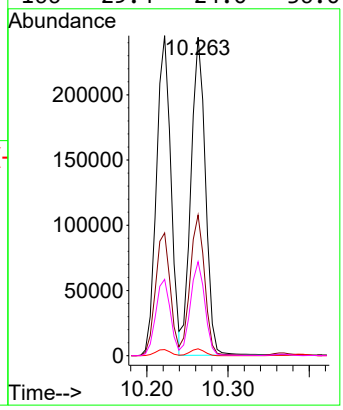




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.678 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:232 Resp: 30370

Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.9	53.9
130	2.1	1.8	2.6
166	29.4	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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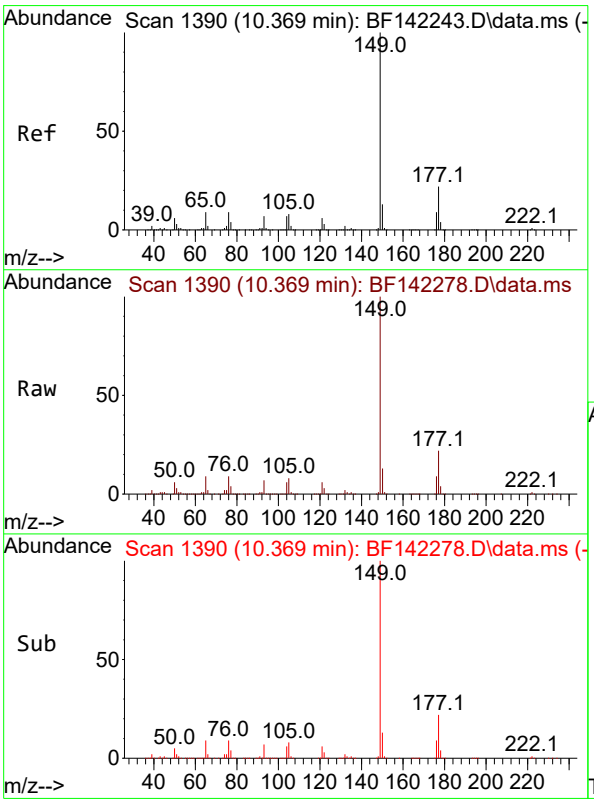
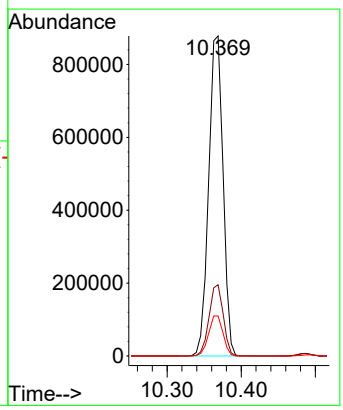
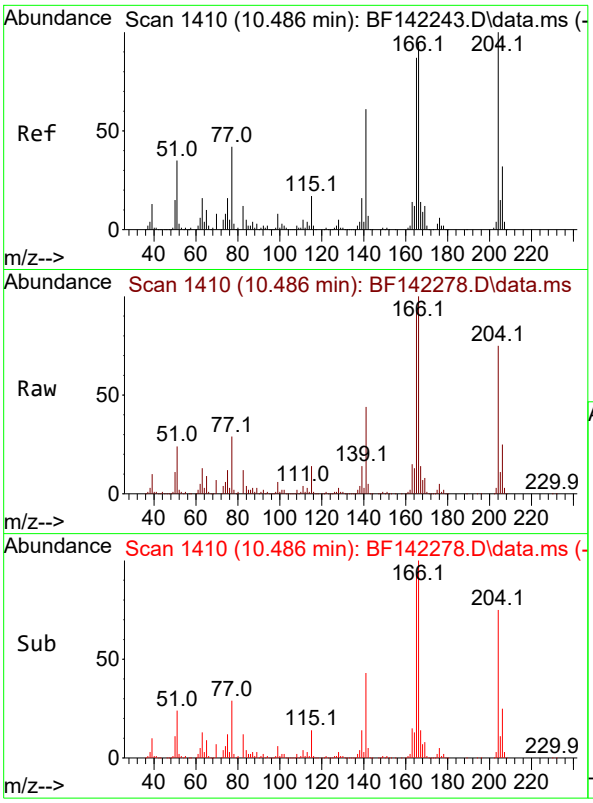


#60
Diethylphthalate
Concen: 44.640 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:149 Resp: 1182771

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.5	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 42.980 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Tgt Ion:204 Resp: 55605

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.6	38.4
141	58.0	48.9	73.3

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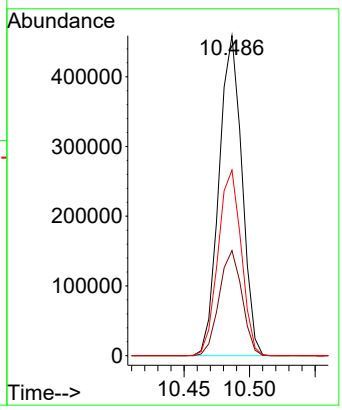
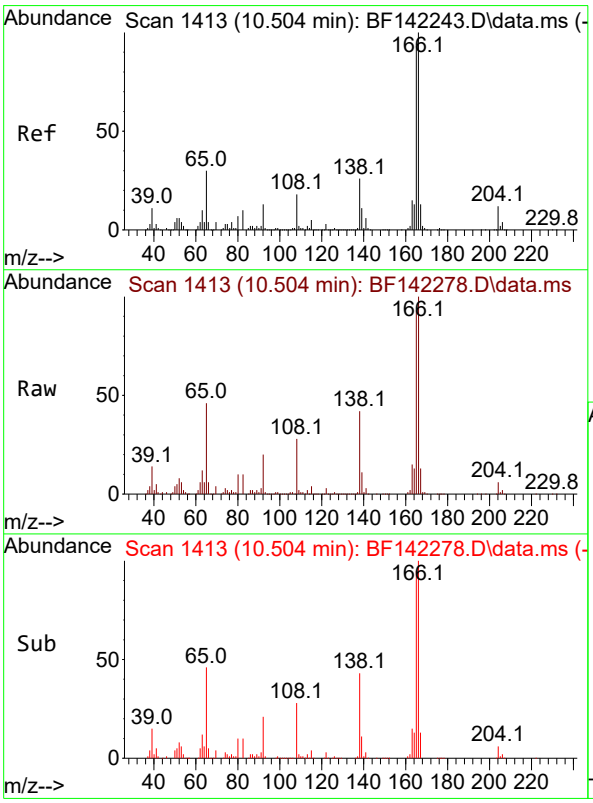
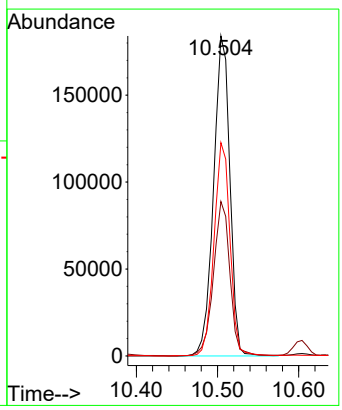


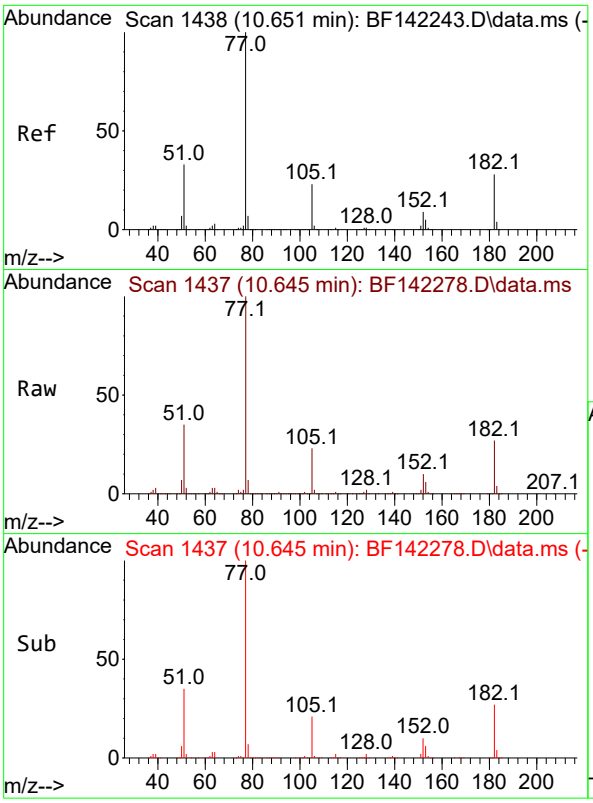


#62
4-Nitroaniline
Concen: 45.444 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:138 Resp: 257712

Ion	Ratio	Lower	Upper
138	100		
92	48.3	29.2	69.2
108	66.7	49.1	89.1

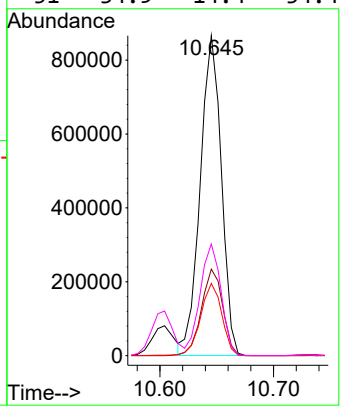




#63
Azobenzene
Concen: 42.806 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion: 77 Resp: 111999

Ion	Ratio	Lower	Upper
77	100		
182	27.0	7.3	47.3
105	22.6	2.5	42.5
51	34.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
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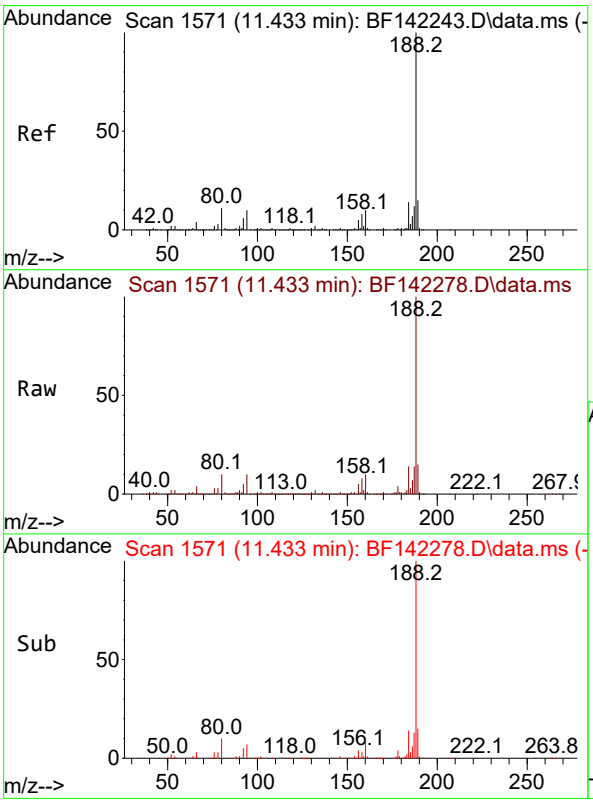
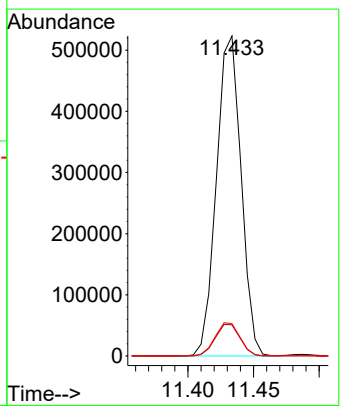
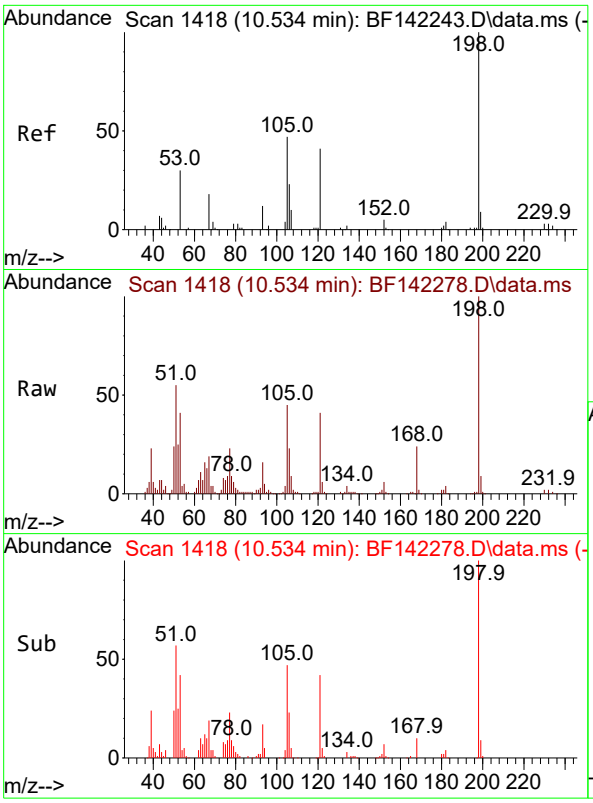


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:188 Resp: 684254

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.2
80	10.1	8.6	12.8





#65
4,6-Dinitro-2-methylphenol
Concen: 53.859 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:198 Resp: 12514

Ion	Ratio	Lower	Upper
198	100		
51	55.4	40.6	80.6
105	45.3	29.2	69.2

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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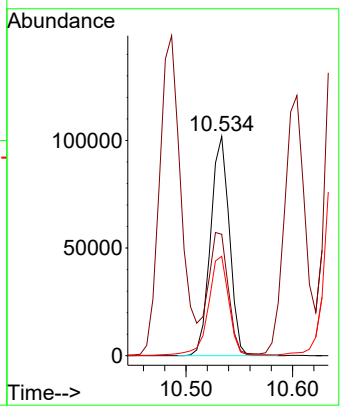
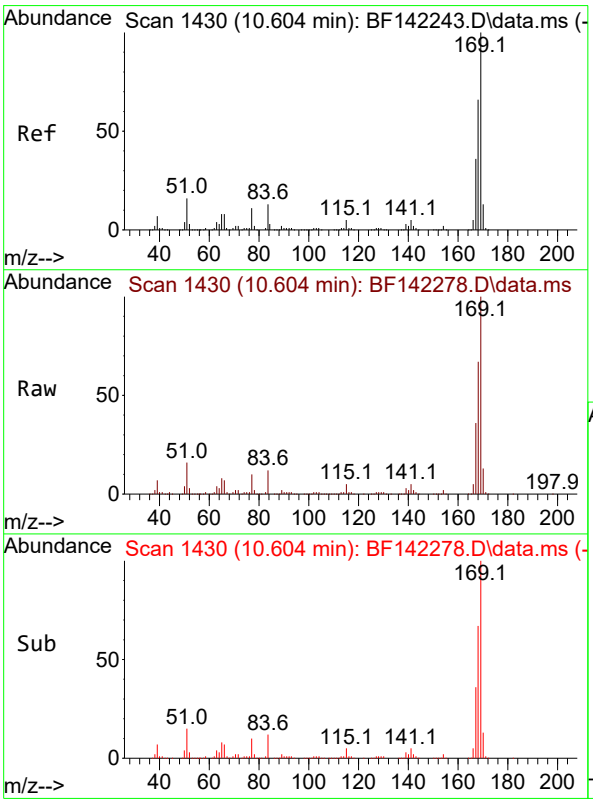
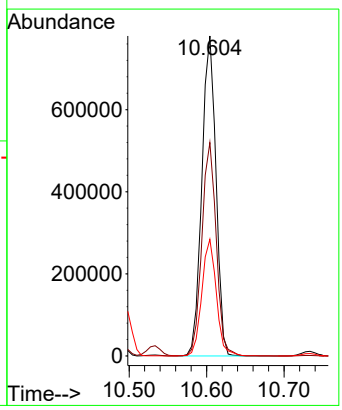


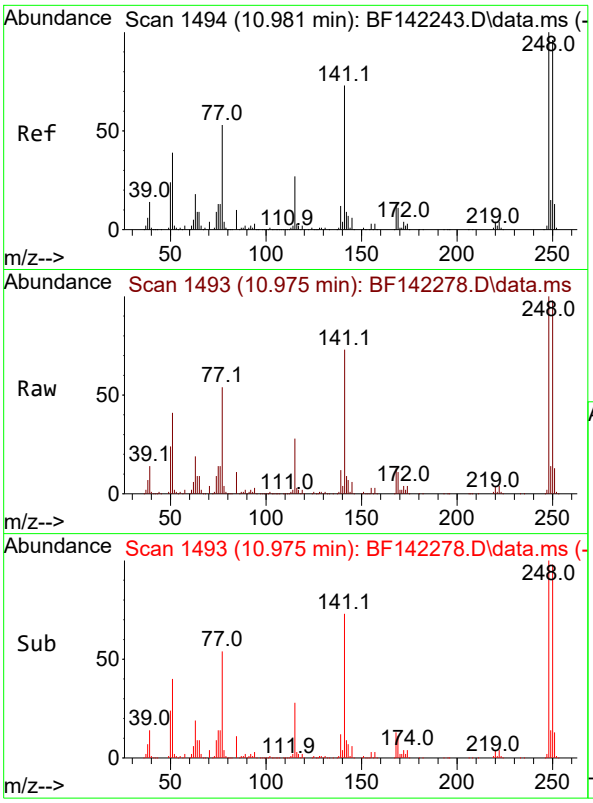


#66
n-Nitrosodiphenylamine
Concen: 42.088 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:169 Resp: 983989

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.6
167	36.4	28.8	43.2

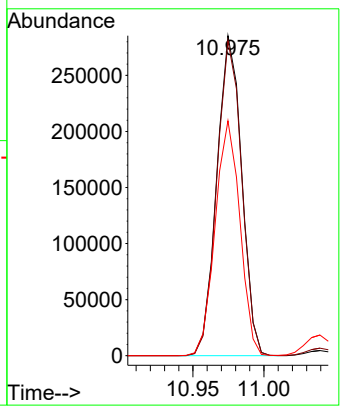




#67
4-Bromophenyl-phenylether
Concen: 45.662 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:248 Resp: 34796

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.2	115.8
141	73.4	58.4	87.6



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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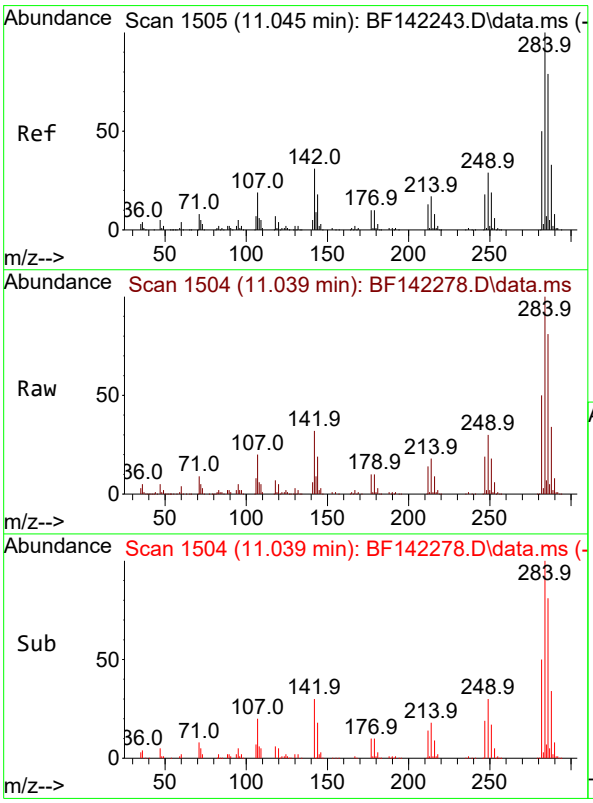
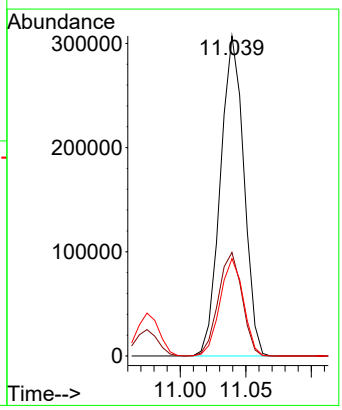
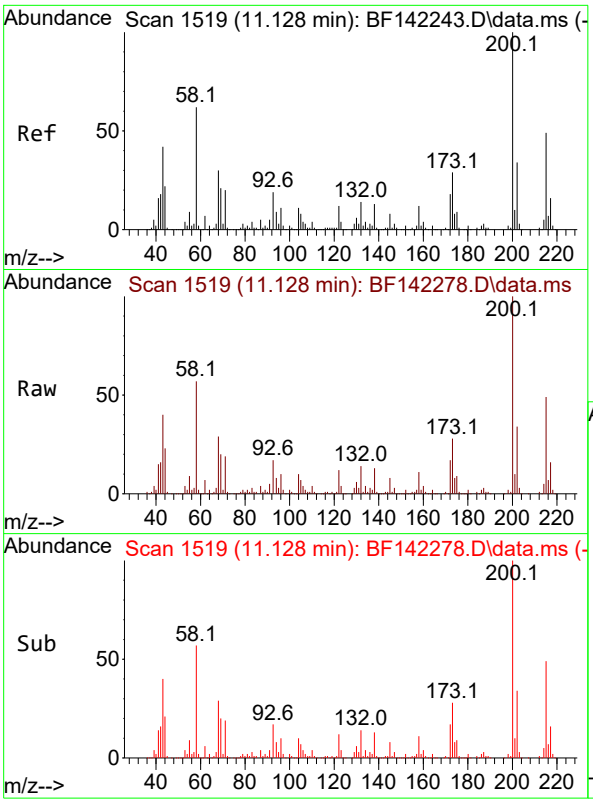


#68
Hexachlorobenzene
Concen: 44.789 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:284 Resp: 382262

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	30.4	23.2	34.8

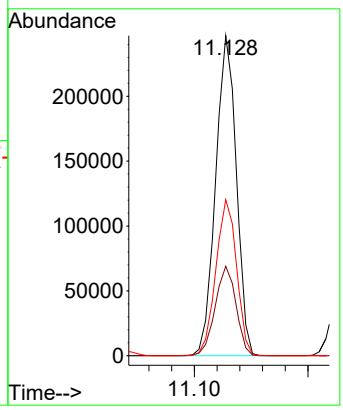




#69
Atrazine
Concen: 50.733 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:200 Resp: 31264

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.6	48.6
215	48.8	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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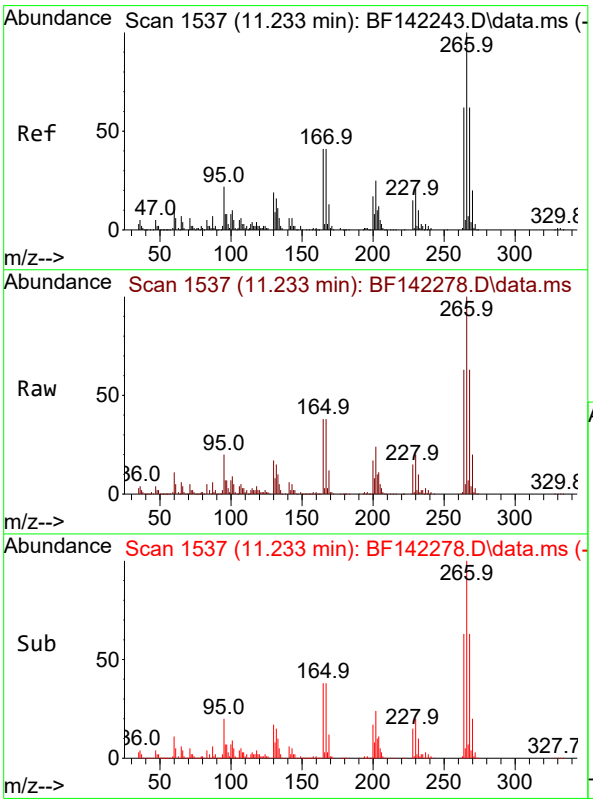
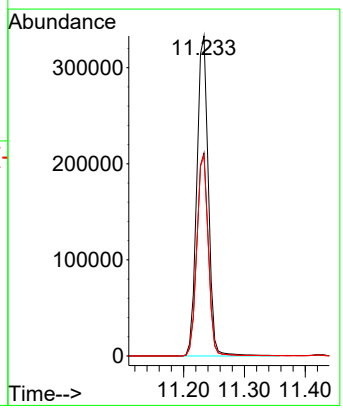
Supervised By :Jagrut Upadhyay 05/05/2025

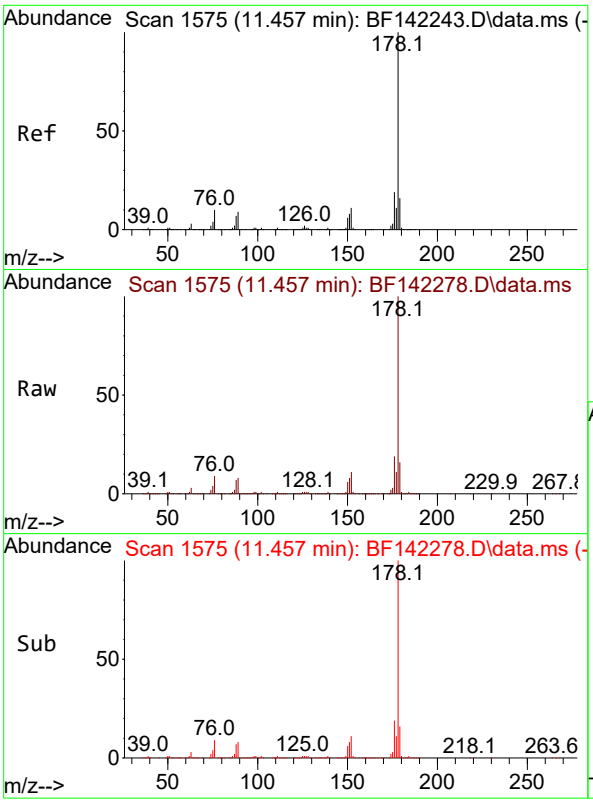


#70
Pentachlorophenol
Concen: 96.993 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:266 Resp: 437319

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.0	75.0
264	62.5	49.3	73.9

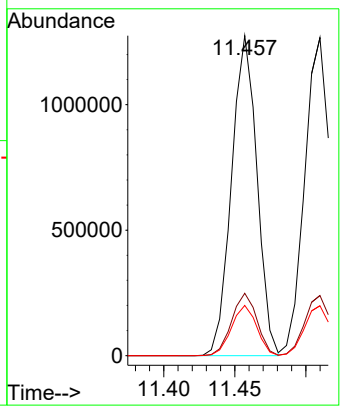




#71
Phenanthrene
Concen: 43.062 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:178 Resp: 159158

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.6	19.0



Instrument :
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ClientSampleId :
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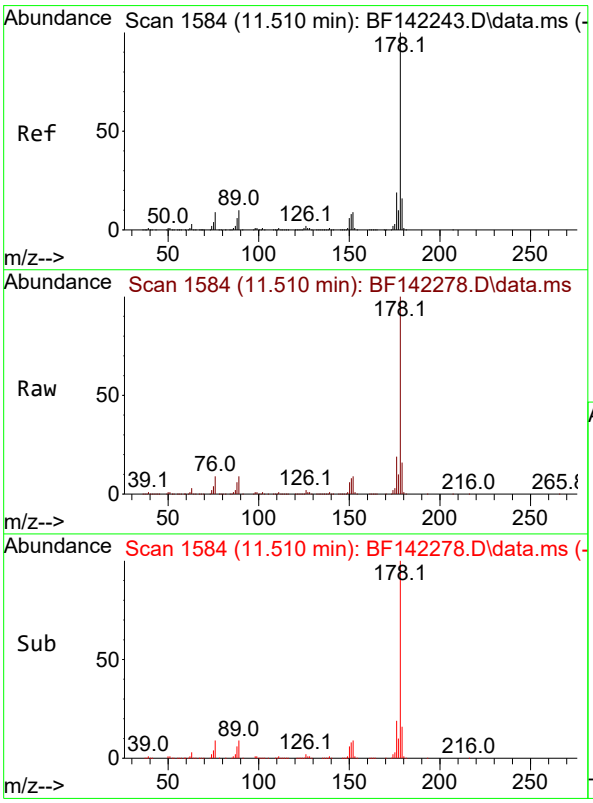
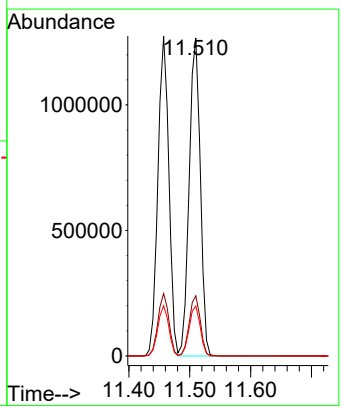
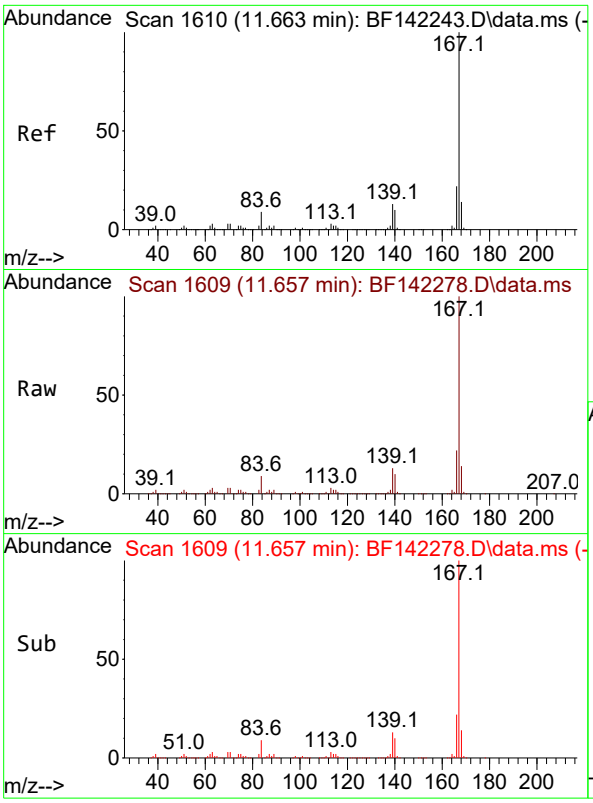


#72
Anthracene
Concen: 42.316 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:178 Resp: 1599092

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.7	19.1

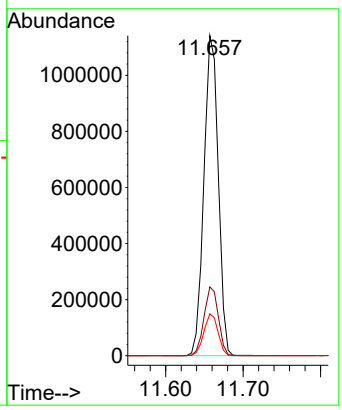




#73
Carbazole
Concen: 42.526 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:167 Resp: 146597

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.1	10.3	15.5



Instrument :
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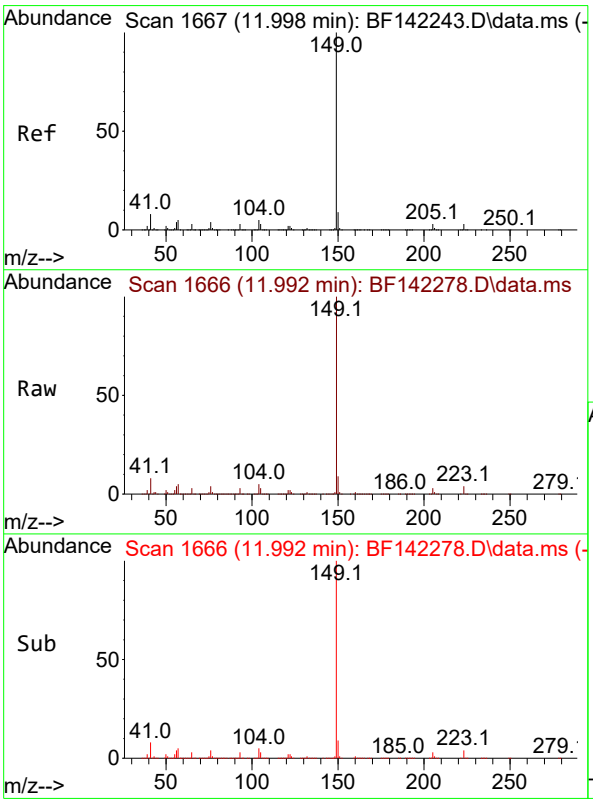
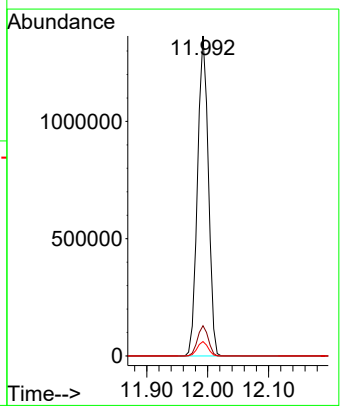
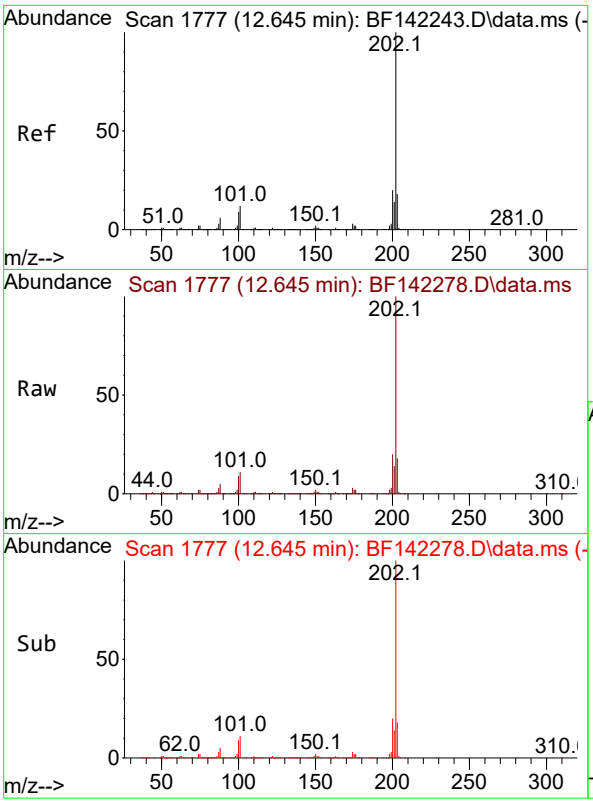


#74
Di-n-butylphthalate
Concen: 48.397 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:149 Resp: 1677931

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

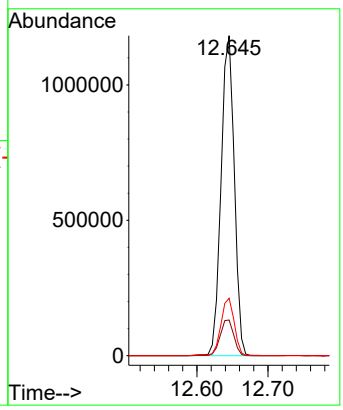




#75
Fluoranthene
Concen: 41.619 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:202 Resp: 152059

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	32.4
203	18.0	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
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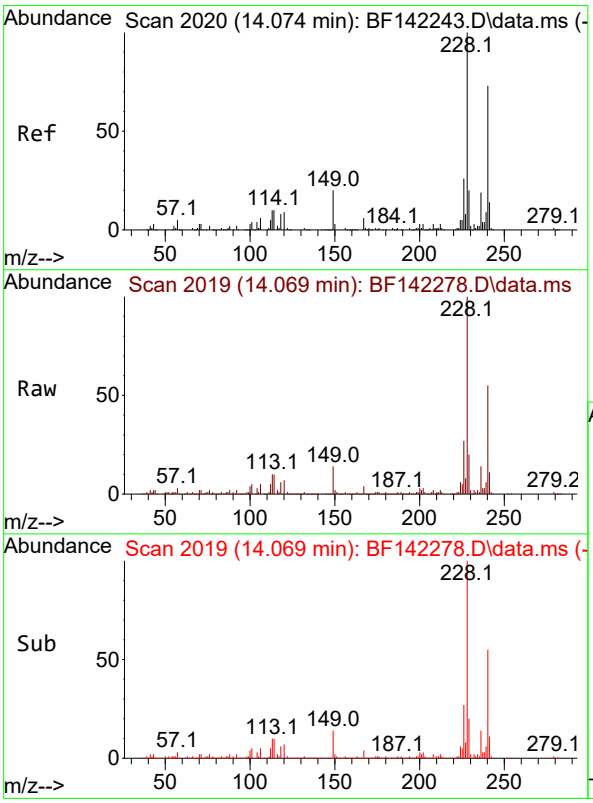
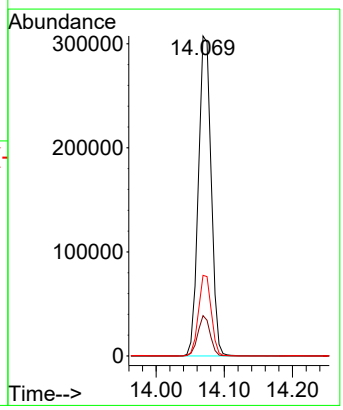
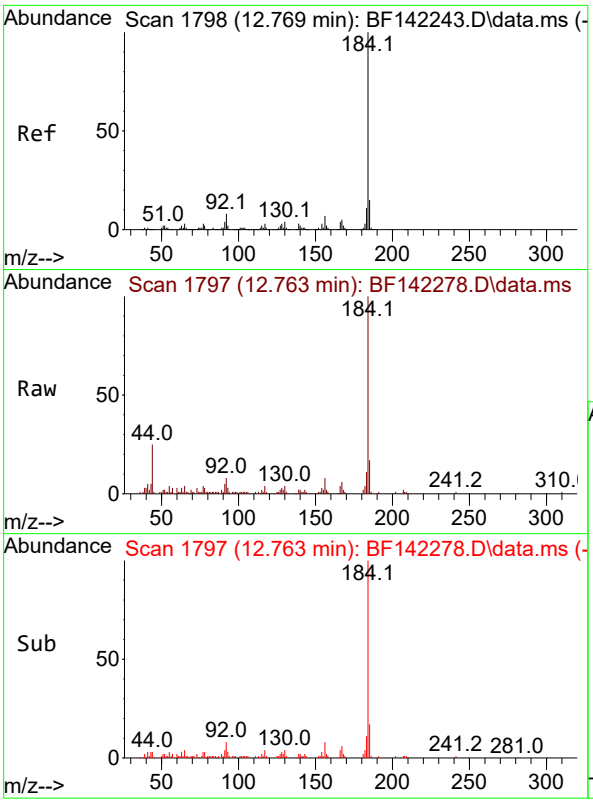


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:240 Resp: 400079

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.2	20.5	30.7

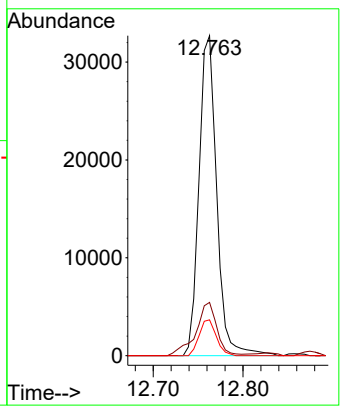




#77
Benzidine
Concen: 2.641 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:184 Resp: 4489

Ion	Ratio	Lower	Upper
184	100		
185	16.7	11.8	17.6
183	11.2	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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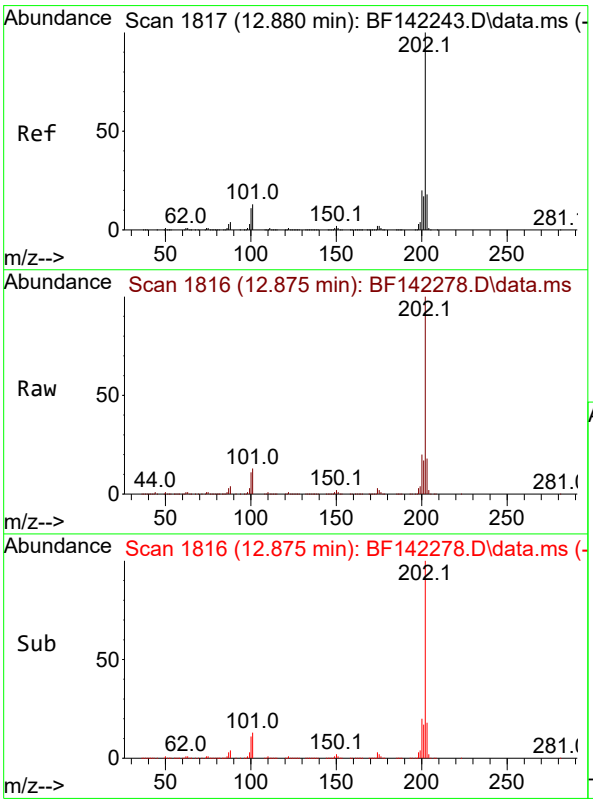
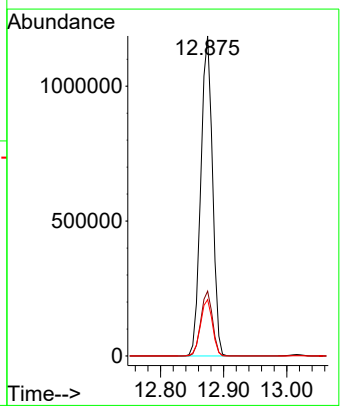
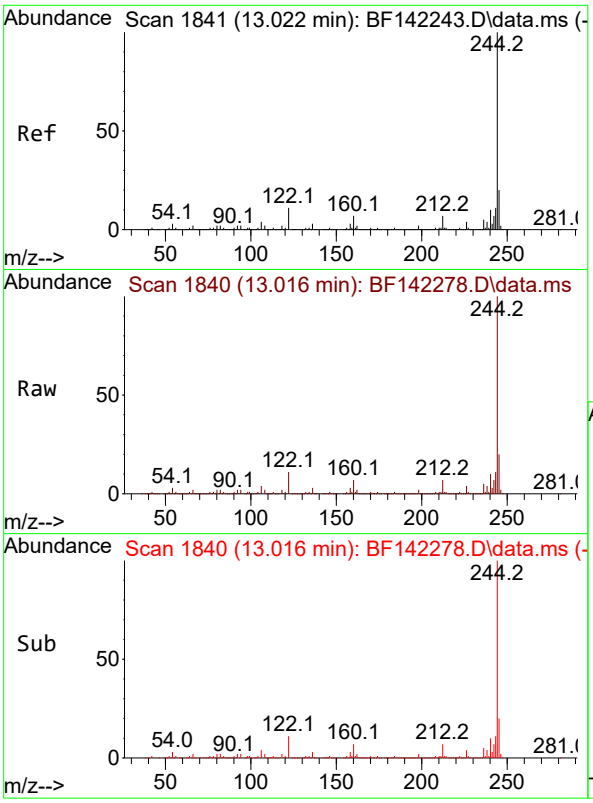


#78
Pyrene
Concen: 41.321 ng
RT: 12.875 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:202 Resp: 1524967

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.6	14.1	21.1

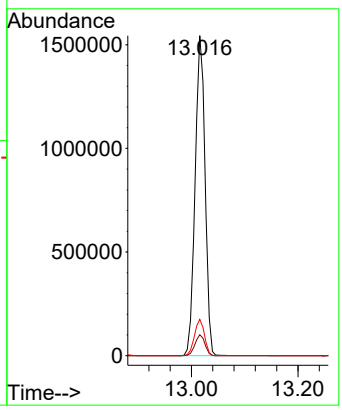




#79
Terphenyl-d14
Concen: 72.842 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:244 Resp: 200375

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.4	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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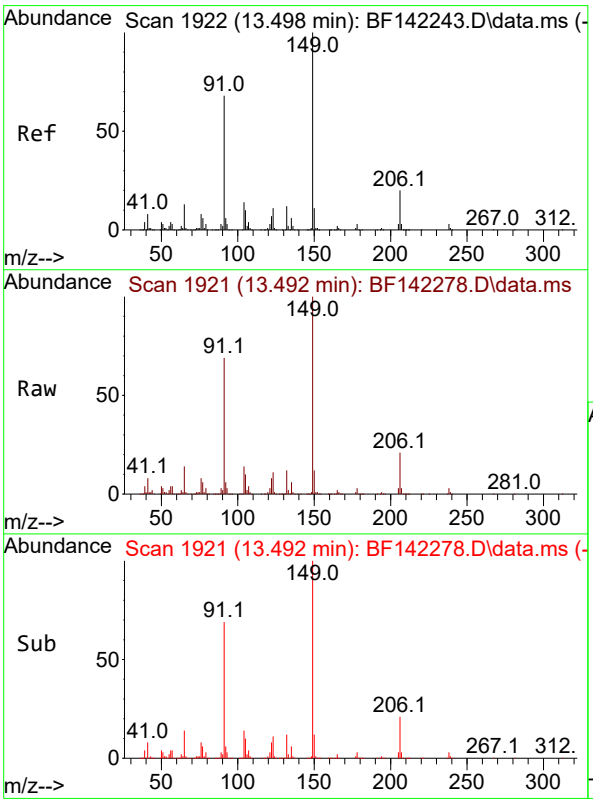
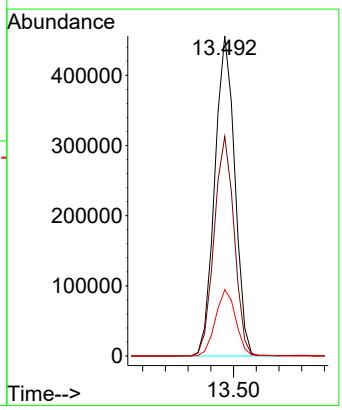
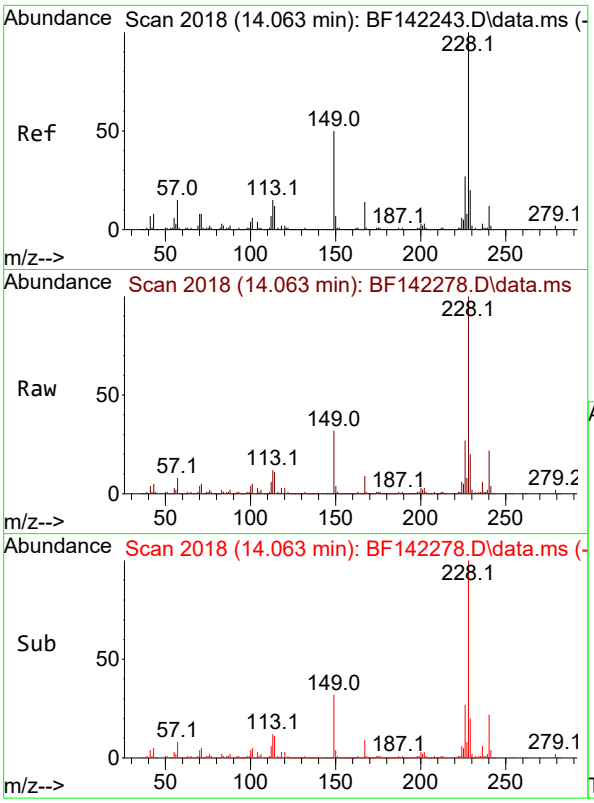


#80
Butylbenzylphthalate
Concen: 54.776 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:149 Resp: 558469

Ion	Ratio	Lower	Upper
149	100		
91	68.6	54.4	81.6
206	20.7	15.9	23.9

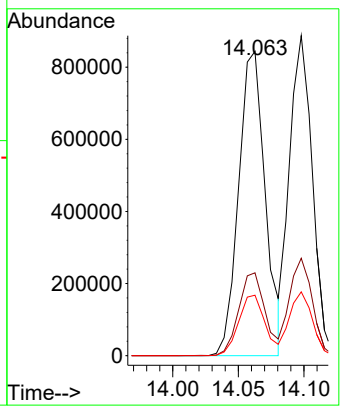




#81
Benzo(a)anthracene
Concen: 44.456 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:228 Resp: 119400

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.9	16.0	24.0



Instrument :
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ClientSampleId :
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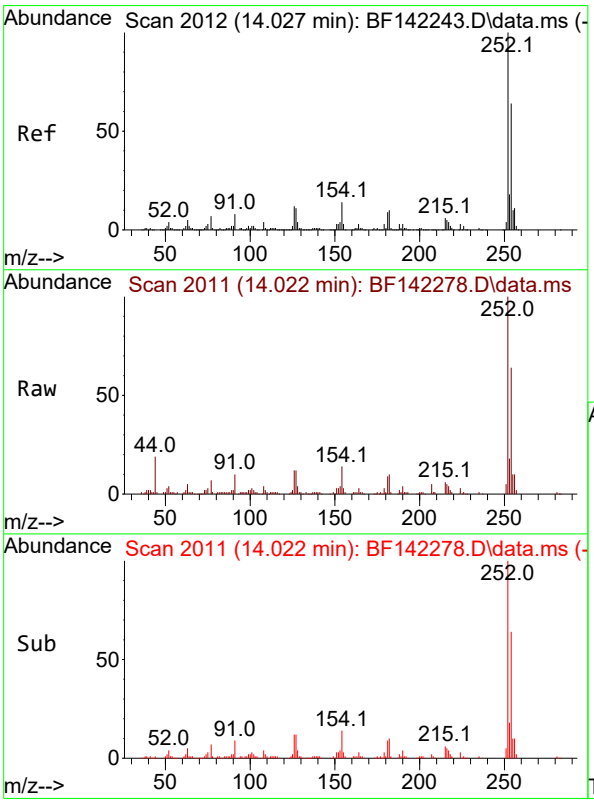
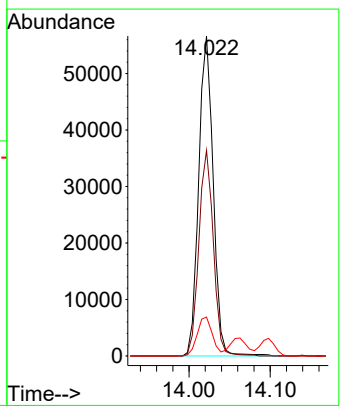
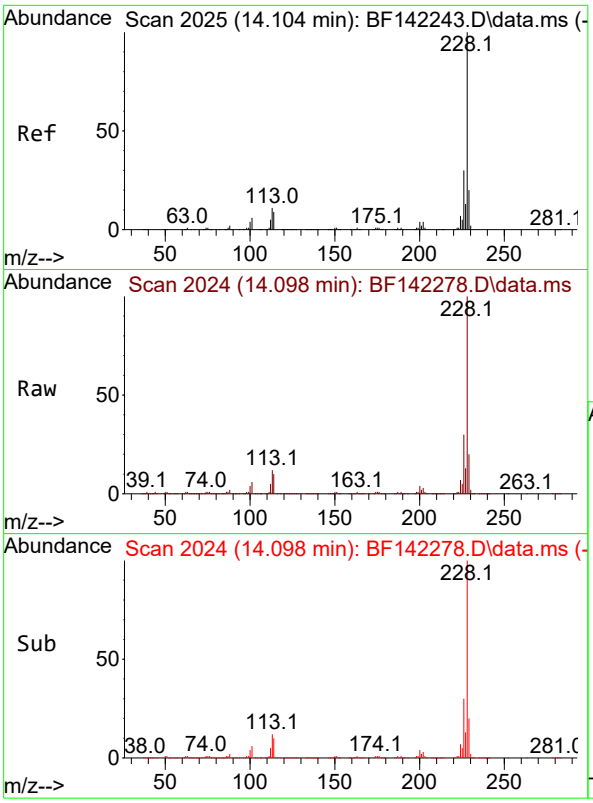


#82
3,3'-Dichlorobenzidine
Concen: 8.904 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:252 Resp: 70246

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.6
126	12.1	9.4	14.2

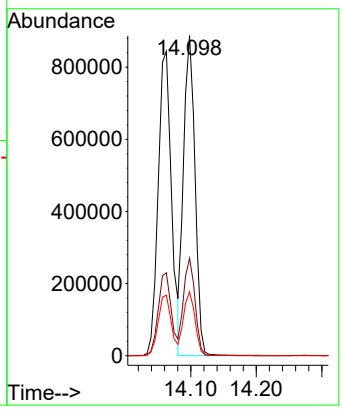




#83
Chrysene
Concen: 44.049 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:228 Resp: 107691

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	20.0	15.7	23.5



Instrument :
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ClientSampleId :
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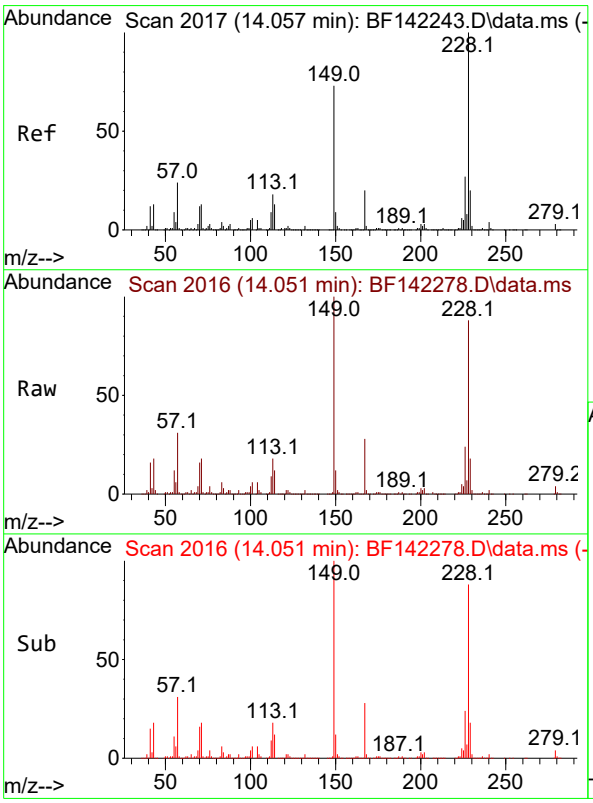
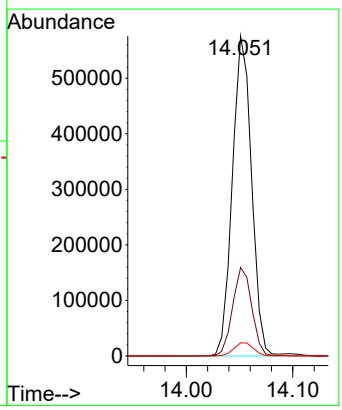
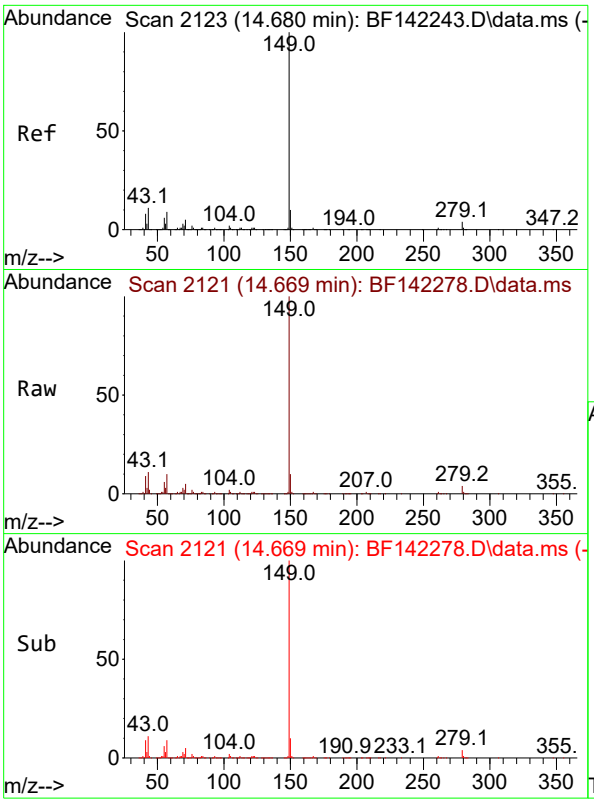


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.410 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:149 Resp: 722253

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.7	32.5
279	4.1	3.0	4.4

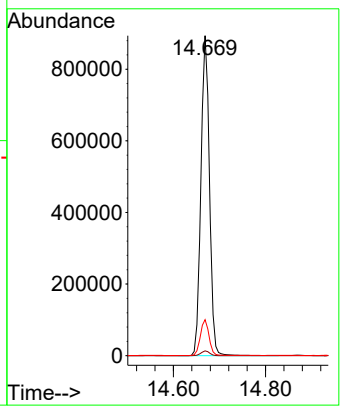




#85
Di-n-octyl phthalate
Concen: 45.494 ng
RT: 14.669 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:149 Resp: 115630

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.3	13.9



Instrument :
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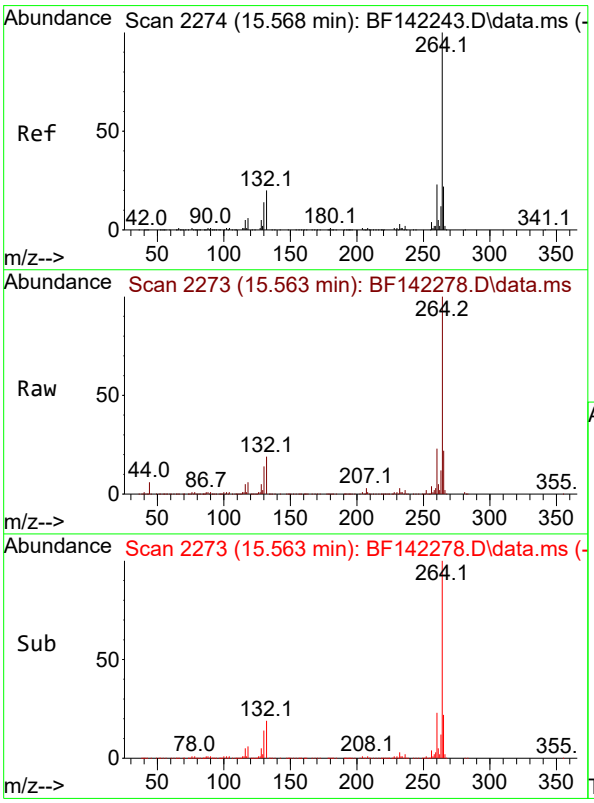
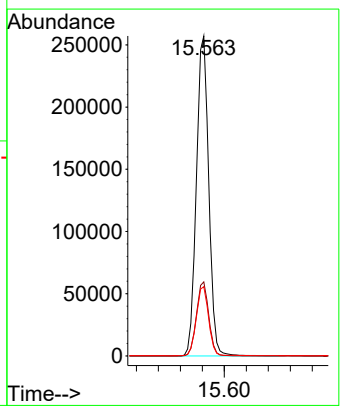
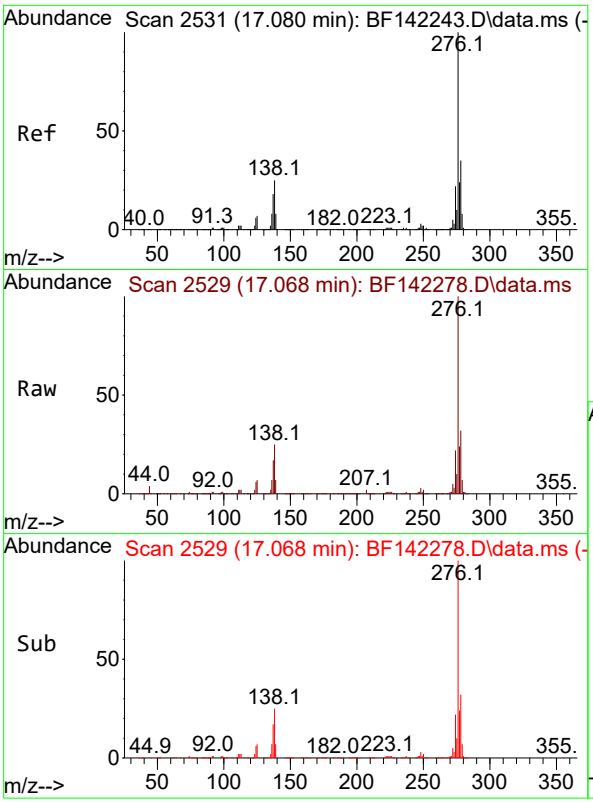


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:264 Resp: 401381

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.7	17.3	25.9

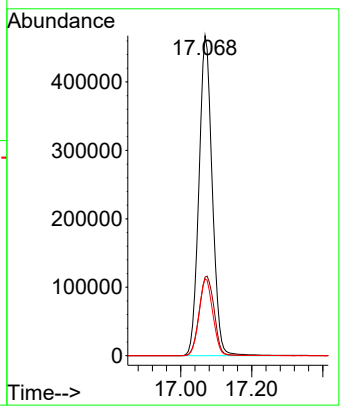




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.464 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:276 Resp: 121904

Ion	Ratio	Lower	Upper
276	100		
138	27.9	22.6	33.8
277	25.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

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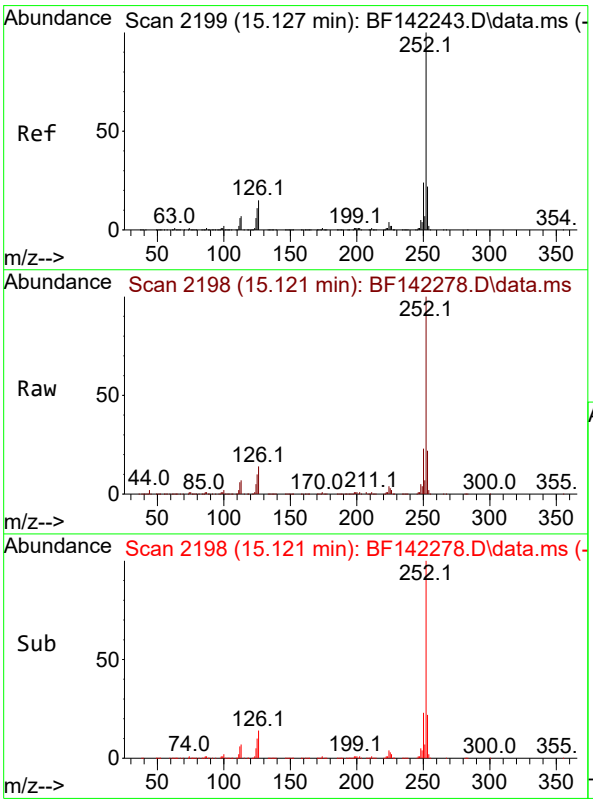
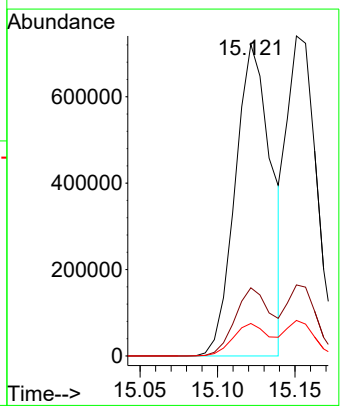
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

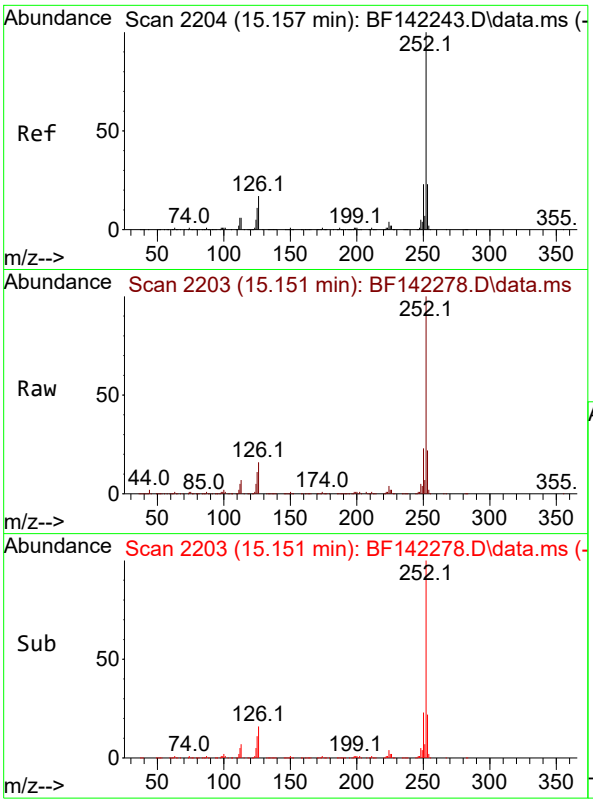


#88
Benzo(b)fluoranthene
Concen: 46.856 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:252 Resp: 1168207

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.5	9.0	13.4

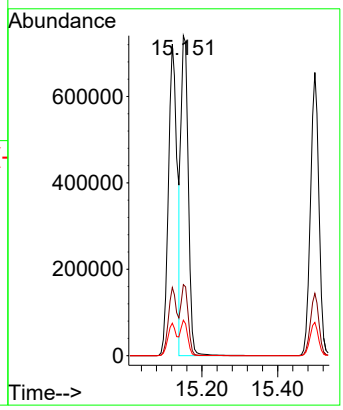




#89
Benzo(k)fluoranthene
Concen: 43.322 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:252 Resp: 98795

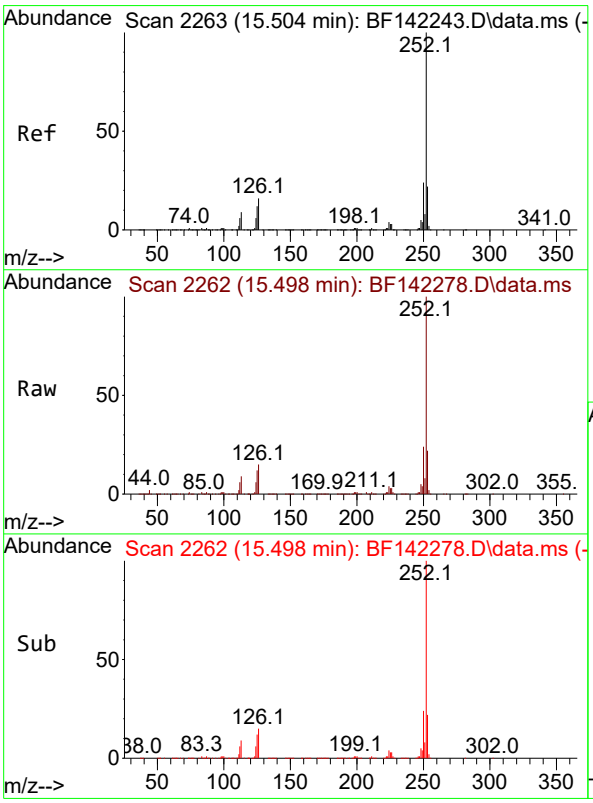
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

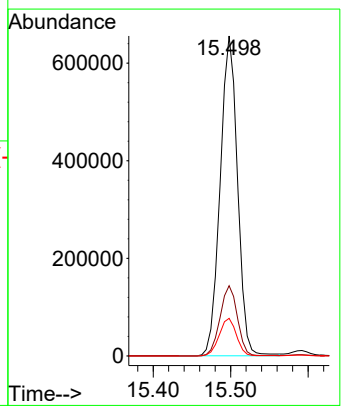
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

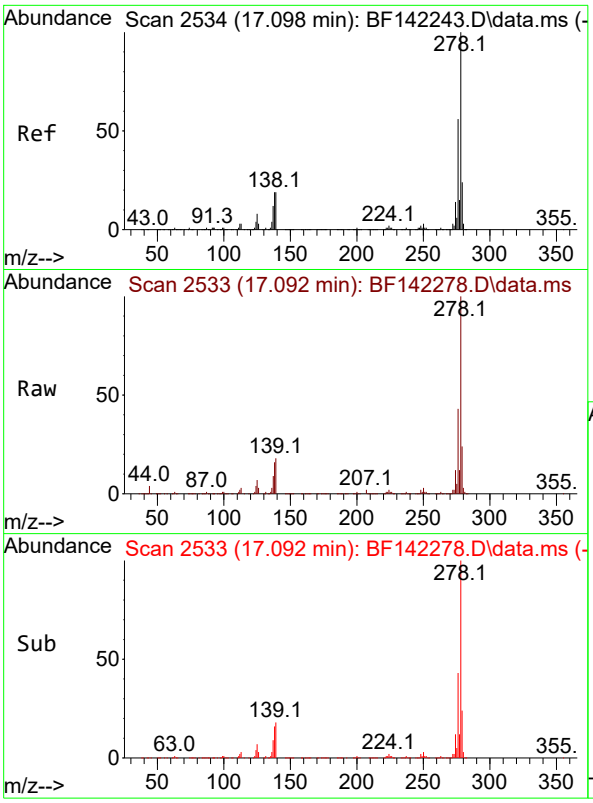


#90
Benzo(a)pyrene
Concen: 44.850 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:252 Resp: 1023759

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.7	9.5	14.3

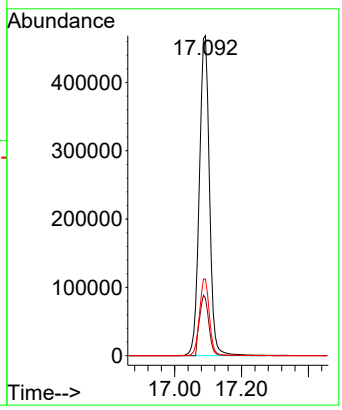




#91
Dibenzo(a,h)anthracene
Concen: 41.441 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:278 Resp: 98882

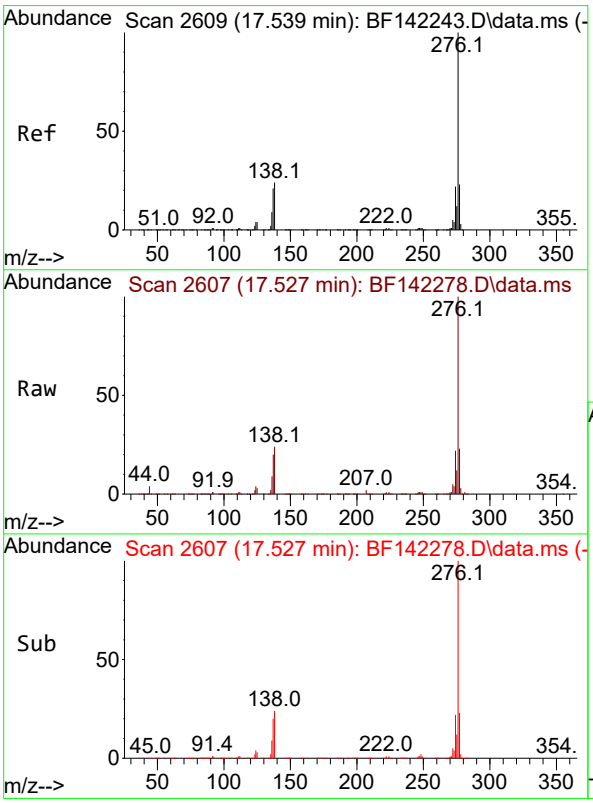
Ion	Ratio	Lower	Upper
278	100		
139	18.0	15.2	22.8
279	24.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

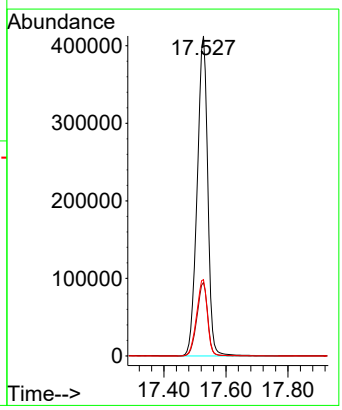
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#92
Benzo(g,h,i)perylene
Concen: 40.775 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF142278.D
Acq: 02 May 2025 12:55

Tgt Ion:276 Resp: 978093

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.7	28.1
138	23.9	19.4	29.0



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Manual Integration Report

Sequence:	BF043025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF142240.D	2,3,4,6-Tetrachlorophenol	Rahul	5/1/2025 11:26:17 AM	Jagrut	5/1/2025 1:17:43 PM	Peak Integrated by Software
SSTDICC020	BF142242.D	Benzoic acid	Rahul	5/1/2025 11:26:23 AM	Jagrut	5/1/2025 1:17:45 PM	Peak Integrated by Software
SSTDICCC040	BF142243.D	Benzoic acid	Rahul	5/1/2025 11:26:25 AM	Jagrut	5/1/2025 1:17:48 PM	Peak Integrated by Software
SSTDICC050	BF142244.D	Phenol	Rahul	5/1/2025 11:26:27 AM	Jagrut	5/1/2025 1:17:50 PM	Peak Integrated by Software
SSTDICC060	BF142245.D	Phenol	Rahul	5/1/2025 11:26:30 AM	Jagrut	5/1/2025 1:17:52 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Benzoic acid	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Phenol	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Benzoic acid	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Phenol	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf050125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142250.D	Benzoic acid	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
SSTDCCC040	BF142250.D	Phenol	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
PB167810BS	BF142255.D	Benzoic acid	Rahul	5/2/2025 10:45:25 AM	Jagrut	5/2/2025 4:47:56 PM	Peak Integrated by Software
PB167810BS	BF142255.D	Caprolactam	Rahul	5/2/2025 10:45:25 AM	Jagrut	5/2/2025 4:47:56 PM	Peak Integrated by Software
PB167810BS	BF142255.D	Phenol	Rahul	5/2/2025 10:45:25 AM	Jagrut	5/2/2025 4:47:56 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf050225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142274.D	Benzoic acid	Rahul	5/5/2025 10:14:38 AM	Jagrut	5/5/2025 11:51:58 AM	Peak Integrated by Software
SSTDCCC040	BF142274.D	Phenol	Rahul	5/5/2025 10:14:38 AM	Jagrut	5/5/2025 11:51:58 AM	Peak Integrated by Software
Q1901-08MS	BF142277.D	Caprolactam	Rahul	5/5/2025 10:14:41 AM	Jagrut	5/5/2025 11:52:00 AM	Peak Integrated by Software
Q1901-08MS	BF142277.D	Phenol	Rahul	5/5/2025 10:14:41 AM	Jagrut	5/5/2025 11:52:00 AM	Peak Integrated by Software
Q1901-08MSD	BF142278.D	Caprolactam	Rahul	5/5/2025 10:14:44 AM	Jagrut	5/5/2025 11:52:03 AM	Peak Integrated by Software
Q1901-08MSD	BF142278.D	Phenol	Rahul	5/5/2025 10:14:44 AM	Jagrut	5/5/2025 11:52:03 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM		
SubDirectory	BF043025	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142238.D	30 Apr 2025 10:55	RC/JU	Ok
2	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24	RC/JU	Ok
3	SSTDICC005	BF142240.D	30 Apr 2025 11:52	RC/JU	Ok,M
4	SSTDICC010	BF142241.D	30 Apr 2025 12:20	RC/JU	Ok
5	SSTDICC020	BF142242.D	30 Apr 2025 12:49	RC/JU	Ok,M
6	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	RC/JU	Ok,M
7	SSTDICC050	BF142244.D	30 Apr 2025 13:46	RC/JU	Ok,M
8	SSTDICC060	BF142245.D	30 Apr 2025 14:15	RC/JU	Ok,M
9	SSTDICC080	BF142246.D	30 Apr 2025 14:43	RC/JU	Ok,M
10	SSTDICV040	BF142247.D	30 Apr 2025 16:17	RC/JU	Ok,M
11	PB167726BL	BF142248.D	30 Apr 2025 17:15	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM				
SubDirectory	BF050125	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142249.D	01 May 2025 09:48	RC/JU	Ok
2	SSTDCCC040	BF142250.D	01 May 2025 10:17	RC/JU	Ok,M
3	PB167798BL	BF142251.D	01 May 2025 10:45	RC/JU	Ok
4	PB167798BS	BF142252.D	01 May 2025 11:13	RC/JU	Ok,M
5	PB167798BSD	BF142253.D	01 May 2025 11:42	RC/JU	Ok,M
6	PB167810BL	BF142254.D	01 May 2025 12:10	RC/JU	Ok
7	PB167810BS	BF142255.D	01 May 2025 12:39	RC/JU	Ok,M
8	PB167774TB	BF142256.D	01 May 2025 13:07	RC/JU	Ok
9	Q1890-01	BF142257.D	01 May 2025 13:40	RC/JU	Ok
10	Q1920-01	BF142258.D	01 May 2025 14:09	RC/JU	Ok,M
11	Q1914-14	BF142259.D	01 May 2025 14:37	RC/JU	Ok
12	Q1913-04	BF142260.D	01 May 2025 15:06	RC/JU	Ok
13	Q1915-01	BF142261.D	01 May 2025 15:34	RC/JU	Ok
14	Q1903-01	BF142262.D	01 May 2025 16:03	RC/JU	Ok
15	Q1903-02	BF142263.D	01 May 2025 16:31	RC/JU	Ok
16	Q1903-03	BF142264.D	01 May 2025 17:00	RC/JU	Ok
17	Q1906-01	BF142265.D	01 May 2025 17:29	RC/JU	Ok
18	Q1906-13	BF142266.D	01 May 2025 17:57	RC/JU	Ok
19	Q1901-06	BF142267.D	01 May 2025 18:26	RC/JU	Ok
20	Q1901-02	BF142268.D	01 May 2025 18:55	RC/JU	Ok,M
21	Q1901-02MS	BF142269.D	01 May 2025 19:24	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM				
SubDirectory	BF050125	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1901-02MSD	BF142270.D	01 May 2025 19:52	RC/JU	Ok,M
23	Q1901-04	BF142271.D	01 May 2025 20:20	RC/JU	Ok
24	Q1901-05	BF142272.D	01 May 2025 20:49	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050225

Review By	Rahul	Review On	5/5/2025 10:18:55 AM				
Supervise By	Jagrut	Supervise On	5/5/2025 11:52:39 AM				
SubDirectory	BF050225	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142273.D	02 May 2025 10:11	RC/JU	Ok
2	SSTDCCC040	BF142274.D	02 May 2025 10:39	RC/JU	Ok,M
3	PB167774TB	BF142275.D	02 May 2025 11:07	RC/JU	Not Ok
4	Q1901-08	BF142276.D	02 May 2025 11:58	RC/JU	Ok
5	Q1901-08MS	BF142277.D	02 May 2025 12:27	RC/JU	Ok,M
6	Q1901-08MSD	BF142278.D	02 May 2025 12:55	RC/JU	Ok,M
7	Q1901-09	BF142279.D	02 May 2025 13:24	RC/JU	Ok
8	Q1901-10	BF142280.D	02 May 2025 13:53	RC/JU	ReRun
9	Q1901-11	BF142281.D	02 May 2025 14:22	RC/JU	Ok
10	Q1907-02	BF142282.D	02 May 2025 14:51	RC/JU	ReRun
11	Q1916-04	BF142283.D	02 May 2025 16:20	RC/JU	Ok
12	Q1916-04MS	BF142284.D	02 May 2025 16:49	RC/JU	Ok,M
13	Q1916-04MSD	BF142285.D	02 May 2025 17:18	RC/JU	Ok,M
14	Q1932-02	BF142286.D	02 May 2025 17:47	RC/JU	Ok
15	Q1932-04	BF142287.D	02 May 2025 18:16	RC/JU	Ok
16	Q1932-06	BF142288.D	02 May 2025 18:46	RC/JU	ReRun
17	Q1932-08	BF142289.D	02 May 2025 19:15	RC/JU	Ok
18	Q1917-04	BF142290.D	02 May 2025 19:44	RC/JU	Ok
19	Q1922-04	BF142291.D	02 May 2025 20:13	RC/JU	Ok
20	Q1922-08	BF142292.D	02 May 2025 20:42	RC/JU	Ok
21	Q1929-03	BF142293.D	02 May 2025 21:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM		
SubDirectory	BF043025	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/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	BF142238.D	30 Apr 2025 10:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142240.D	30 Apr 2025 11:52	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF142241.D	30 Apr 2025 12:20		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142242.D	30 Apr 2025 12:49		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	Compound#32,48,51,53,57,62,65,80,84,85 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF142244.D	30 Apr 2025 13:46	Compound#26,54 Kept on QR	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF142245.D	30 Apr 2025 14:15		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF142246.D	30 Apr 2025 14:43		RC/JU	Ok,M
10	SSTDICV040	ICVBF043025	BF142247.D	30 Apr 2025 16:17		RC/JU	Ok,M
11	PB167726BL	PB167726BL	BF142248.D	30 Apr 2025 17:15		RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/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	BF142249.D	01 May 2025 09:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142250.D	01 May 2025 10:17		RC/JU	Ok,M
3	PB167798BL	PB167798BL	BF142251.D	01 May 2025 10:45		RC/JU	Ok
4	PB167798BS	PB167798BS	BF142252.D	01 May 2025 11:13		RC/JU	Ok,M
5	PB167798BSD	PB167798BSD	BF142253.D	01 May 2025 11:42		RC/JU	Ok,M
6	PB167810BL	PB167810BL	BF142254.D	01 May 2025 12:10		RC/JU	Ok
7	PB167810BS	PB167810BS	BF142255.D	01 May 2025 12:39		RC/JU	Ok,M
8	PB167774TB	PB167774TB	BF142256.D	01 May 2025 13:07		RC/JU	Ok
9	Q1890-01	TW-WTS-07	BF142257.D	01 May 2025 13:40		RC/JU	Ok
10	Q1920-01	291	BF142258.D	01 May 2025 14:09		RC/JU	Ok,M
11	Q1914-14	FB04282025	BF142259.D	01 May 2025 14:37		RC/JU	Ok
12	Q1913-04	WC-13-A-202504	BF142260.D	01 May 2025 15:06		RC/JU	Ok
13	Q1915-01	WC-04282025	BF142261.D	01 May 2025 15:34		RC/JU	Ok
14	Q1903-01	COMP-4	BF142262.D	01 May 2025 16:03		RC/JU	Ok
15	Q1903-02	COMP-5	BF142263.D	01 May 2025 16:31		RC/JU	Ok
16	Q1903-03	COMP-6	BF142264.D	01 May 2025 17:00		RC/JU	Ok
17	Q1906-01	WC-4	BF142265.D	01 May 2025 17:29		RC/JU	Ok
18	Q1906-13	WC-7	BF142266.D	01 May 2025 17:57		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 # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1901-06	FB04262025	BF142267.D	01 May 2025 18:26		RC/JU	Ok
20	Q1901-02	B-167-SB01	BF142268.D	01 May 2025 18:55		RC/JU	Ok,M
21	Q1901-02MS	B-167-SB01MS	BF142269.D	01 May 2025 19:24		RC/JU	Ok,M
22	Q1901-02MSD	B-167-SB01MSD	BF142270.D	01 May 2025 19:52		RC/JU	Ok,M
23	Q1901-04	B-167-SB02	BF142271.D	01 May 2025 20:20		RC/JU	Ok
24	Q1901-05	B-170-SB02	BF142272.D	01 May 2025 20:49		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050225

Review By	Rahul	Review On	5/5/2025 10:18:55 AM		
Supervise By	Jagrut	Supervise On	5/5/2025 11:52:39 AM		
SubDirectory	BF050225	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/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	BF142273.D	02 May 2025 10:11		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142274.D	02 May 2025 10:39		RC/JU	Ok,M
3	PB167774TB	PB167774TB	BF142275.D	02 May 2025 11:07	Analyzed for contamination check	RC/JU	Not Ok
4	Q1901-08	B-167-SB01	BF142276.D	02 May 2025 11:58		RC/JU	Ok
5	Q1901-08MS	B-167-SB01MS	BF142277.D	02 May 2025 12:27		RC/JU	Ok,M
6	Q1901-08MSD	B-167-SB01MSD	BF142278.D	02 May 2025 12:55		RC/JU	Ok,M
7	Q1901-09	B-170-SB01	BF142279.D	02 May 2025 13:24		RC/JU	Ok
8	Q1901-10	B-167-SB02	BF142280.D	02 May 2025 13:53	Internal Standard Fail	RC/JU	ReRun
9	Q1901-11	B-170-SB02	BF142281.D	02 May 2025 14:22		RC/JU	Ok
10	Q1907-02	CO-8R-WC	BF142282.D	02 May 2025 14:51	Internal Standard and surrogates Fail	RC/JU	ReRun
11	Q1916-04	WC-12	BF142283.D	02 May 2025 16:20		RC/JU	Ok
12	Q1916-04MS	WC-12MS	BF142284.D	02 May 2025 16:49		RC/JU	Ok,M
13	Q1916-04MSD	WC-12MSD	BF142285.D	02 May 2025 17:18		RC/JU	Ok,M
14	Q1932-02	COMP-4	BF142286.D	02 May 2025 17:47		RC/JU	Ok
15	Q1932-04	COMP-5	BF142287.D	02 May 2025 18:16		RC/JU	Ok
16	Q1932-06	COMP-6	BF142288.D	02 May 2025 18:46	Surrogate Fail	RC/JU	ReRun
17	Q1932-08	COMP-7	BF142289.D	02 May 2025 19:15		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 # BF050225

Review By	Rahul	Review On	5/5/2025 10:18:55 AM		
Supervise By	Jagrut	Supervise On	5/5/2025 11:52:39 AM		
SubDirectory	BF050225	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1917-04	MH-JJ	BF142290.D	02 May 2025 19:44		RC/JU	Ok
19	Q1922-04	MH-R	BF142291.D	02 May 2025 20:13		RC/JU	Ok
20	Q1922-08	MH-S	BF142292.D	02 May 2025 20:42		RC/JU	Ok
21	Q1929-03	WC-A4-02-C	BF142293.D	02 May 2025 21:11		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167774

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 04/29/2025 **Time :** 17:20

End Prep Date : 04/30/2025 **Time :** 11:30

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 10

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : 10

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. Particle size reduction is not required. q1894-01,02 and 03 we receive limited volume so no fluid determation. Q1901-08 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/30/25 13:00	JP Prep Room	SLG RJ/GH
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167774

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-1
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-1
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-1
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167774TB	LEB774	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-01	PAINTED-GROUND-PIPE--1	N/A	N/A	N/A	N/A	100	N/A
Q1894-02	PAINTED-GROUND-PIPE-2	N/A	N/A	N/A	N/A	100	N/A
Q1894-03	PAINTED-GROUND-PIPE-3	N/A	N/A	N/A	N/A	100	N/A
Q1901-08	B-167-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1901-09	B-170-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1901-10	B-167-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1901-11	B-170-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1904-02	VNJ-210	N/A	N/A	N/A	N/A	100	N/A
Q1905-04	MH-G	N/A	N/A	N/A	N/A	100	N/A
Q1905-08	MH-H	N/A	N/A	N/A	N/A	100	N/A
Q1906-04	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1906-08	WC-5	N/A	N/A	N/A	N/A	100	N/A
Q1906-12	WC-6	N/A	N/A	N/A	N/A	100	N/A
Q1906-16	WC-7	N/A	N/A	N/A	N/A	100	N/A
Q1907-02	CO-8R-WC	N/A	N/A	N/A	N/A	100	N/A
Q1912-04	MH-E	N/A	N/A	N/A	N/A	100	N/A
Q1912-08	MH-F	N/A	N/A	N/A	N/A	100	N/A
Q1913-01	WC-12-S-202504	N/A	N/A	N/A	N/A	100	N/A
Q1913-03	WC-13-S-202504	N/A	N/A	N/A	N/A	100	N/A
Q1915-01	WC-04282025	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167774

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167774TB	LEB774	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-01	PAINTED-GROUND-PIPE--1	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-02	PAINTED-GROUND-PIPE-2	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-03	PAINTED-GROUND-PIPE-3	N/A	N/A	N/A	N/A	N/A	N/A
Q1901-08	B-167-SB01	5.02	96.5	8.4	3.0	#1	4.93
Q1901-09	B-170-SB01	5.01	96.5	9.0	4.0	#1	4.93
Q1901-10	B-167-SB02	5.02	96.5	7.0	3.5	#1	4.93
Q1901-11	B-170-SB02	5.03	96.5	8.2	3.5	#1	4.93
Q1904-02	VNJ-210	5.04	96.5	8.4	3.0	#1	4.93
Q1905-04	MH-G	5.03	96.5	5.6	1.5	#1	4.93
Q1905-08	MH-H	5.02	96.5	6.0	2.0	#1	4.93
Q1906-04	WC-4	5.03	96.5	7.6	2.5	#1	4.93
Q1906-08	WC-5	5.02	96.5	7.0	2.5	#1	4.93
Q1906-12	WC-6	5.01	96.5	6.6	2.0	#1	4.93
Q1906-16	WC-7	5.02	96.5	6.6	2.0	#1	4.93
Q1907-02	CO-8R-WC	5.02	96.5	8.4	3.0	#1	4.93
Q1912-04	MH-E	5.01	96.5	6.6	2.0	#1	4.93
Q1912-08	MH-F	5.02	96.5	6.4	2.0	#1	4.93
Q1913-01	WC-12-S-202504	5.02	96.5	8.2	3.5	#1	4.93
Q1913-03	WC-13-S-202504	5.01	96.5	8.0	3.0	#1	4.93
Q1915-01	WC-04282025	5.02	96.5	8.4	3.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1907 **WorkList ID :** 189188 **Department :** TCLP Extraction **Date :** 04-29-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1913-03	WC-13-S-202504	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1915-01	WC-04282025	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1901-08	B-167-SB01	Solid	TCLP Extraction	Cool 4 deg C	CAMP02	L41	04/28/2025	1311
Q1901-09	B-170-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-10	B-167-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-11	B-170-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1894-01	PAINTED-GROUND-PIPE--1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1894-02	PAINTED-GROUND-PIPE-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1894-03	PAINTED-GROUND-PIPE-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1904-02	VNJ-210	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1905-04	MH-G	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/28/2025	1311
Q1905-08	MH-H	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/28/2025	1311
Q1906-04	WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-08	WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-12	WC-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-16	WC-7	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1912-04	MH-E	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/29/2025	1311
Q1912-08	MH-F	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/29/2025	1311
Q1907-02	CO-8R-WC	Solid	TCLP Extraction	Cool 4 deg C	WALS01		04/28/2025	1311

Date/Time 04/29/25 17:00

Raw Sample Received by: ~~SB WOC~~

Raw Sample Relinquished by: JD CSM

Date/Time 04/29/25 19:30

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: ~~SB WOC~~

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EXTRACTION LOGPAGE

PB167810

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/30/2025
Matrix :	Water			**Extraction Start Time :**	13:15
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	04/30/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	18:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2607
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2865
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:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (Bldg 6)	RC/SVOC
18:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167810

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 04/30/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167774TB	PB167774TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167805TB	PB167805TB	TCLP BNA	100	6	RUPESH	ritesh	1			2
PB167810BL	PB167810BL	TCLP BNA	1000	6	RUPESH	ritesh	1			3
PB167810BS	PB167810BS	TCLP BNA	1000	6	RUPESH	ritesh	1			4
Q1901-08	B-167-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1901-08MS	B-167-SB01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1901-08MSD	B-167-SB01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1901-09	B-170-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1901-10	B-167-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1901-11	B-170-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1904-02	VNJ-210	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1905-04	MH-G	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1905-08	MH-H	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1906-04	WC-4	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1906-08	WC-5	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1906-12	WC-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1906-16	WC-7	TCLP BNA	100	6	RUPESH	ritesh	1	A		SEP-1
Q1907-02	CO-8R-WC	TCLP BNA	100	6	RUPESH	ritesh	1	A		2
Q1912-04	MH-E	TCLP BNA	100	6	RUPESH	ritesh	1	A		3
Q1912-08	MH-F	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1913-01	WC-12-S-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1913-02	WC-12-A-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1913-03	WC-13-S-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1913-04	WC-13-A-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1915-01	WC-04282025	TCLP BNA	100	6	RUPESH	ritesh	1	A		9

RS
4/30

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167774

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	P Pos
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

04/30/25
13:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167805

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr Pos
PB167805TB	LEB805	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.0	N/
Q1913-02	WC-12-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/
Q1913-04	WC-13-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/

04/30/25
13:00

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Prep Standard - Chemical Standard Summary

Order ID : Q1915

Test : TCLP BNA

Prepbatch ID : PB167810,

Sequence ID/Qc Batch ID: bf050125,Bf050225,

Standard ID :
EP2559,EP2607,EP2865,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,SP6769,SP6770,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3874,E3876,E3902,E3904,E3926,S10104,S10397,S10584,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12534,S12577,S12649,S12658,S12661,S12662,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

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	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

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	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

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 /	12/27/2024 / RUPESH	E3904

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	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 #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

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]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

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)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

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]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

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	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

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	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

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	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

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	S11786

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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	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

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 #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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	S12190

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	S12191

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	S12192

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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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

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	S12194

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	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

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	S12210

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	S12211

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

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	S12213

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	S12214

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	S12215

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 #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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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-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

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	S12479

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	S12480

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	S12481

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	S12482

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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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

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	S12484

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	S12485

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	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

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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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

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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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

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	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

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	10/25/2025	04/25/2025 / Rahul	09/20/2024 / anahy	S12661

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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	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

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)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

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	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

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	S12967

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	S12968

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	S12969

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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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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	S12971

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	S12972

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	S12973

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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*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: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
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Manufacturer's Quality System
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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

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 : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 07/05/22 S10583 to S10592

Catalog No. : 555868 **Lot No.:** A0186373

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, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

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

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.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

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erage factor of 2, which gives a level of confidence of approximately 95%.

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Notes:

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:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Page 1 of 1

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

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

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  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:

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RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

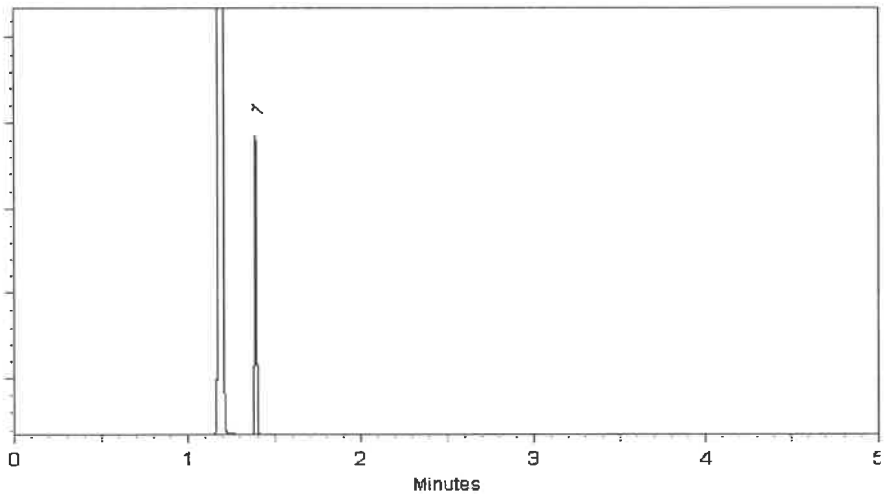
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- 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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

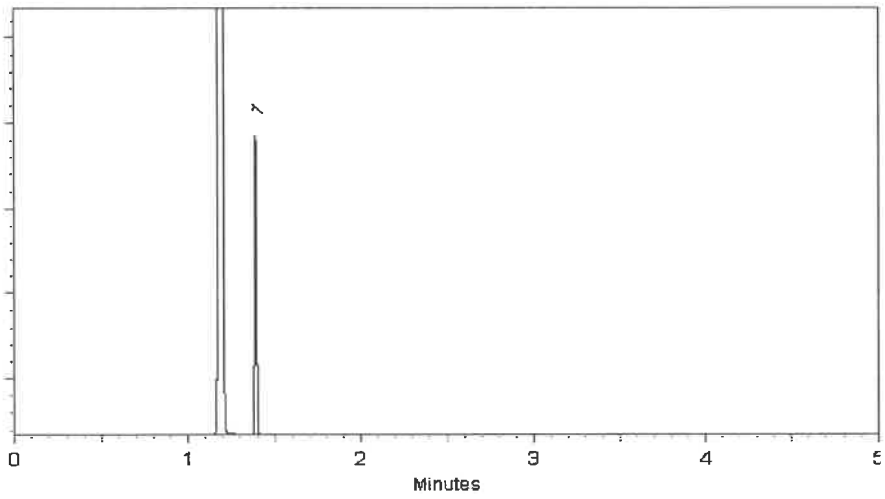
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

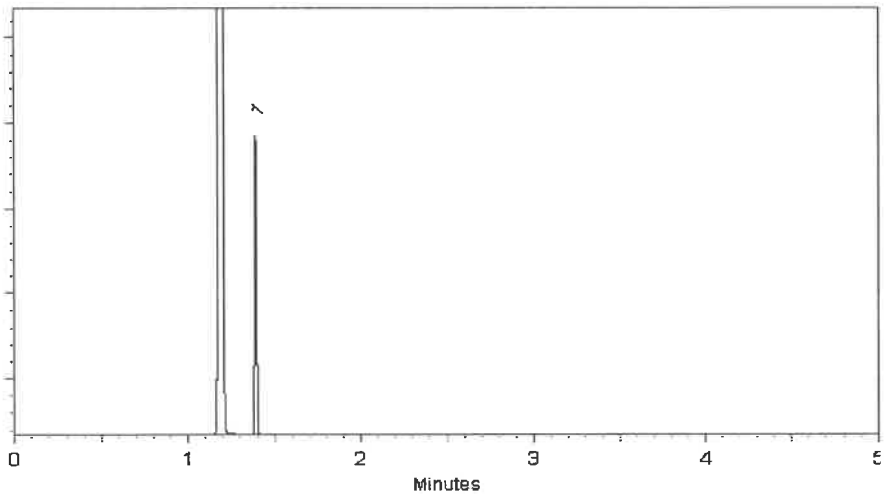
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

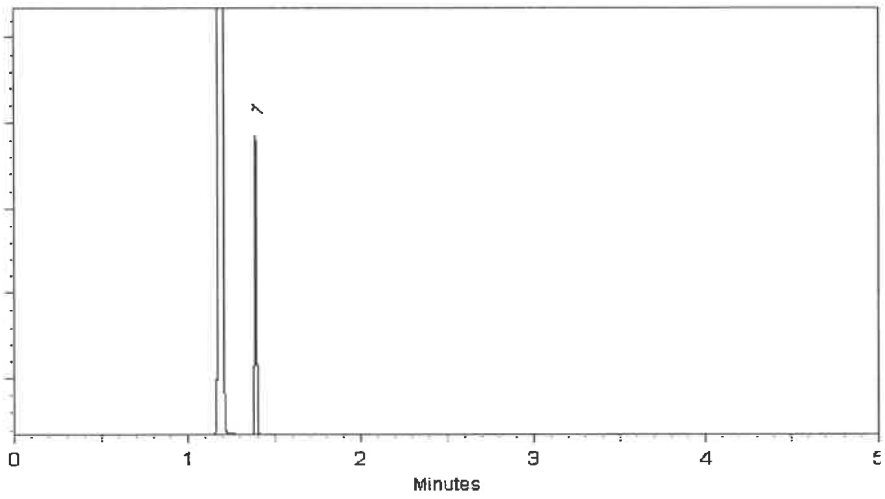
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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:

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

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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.)

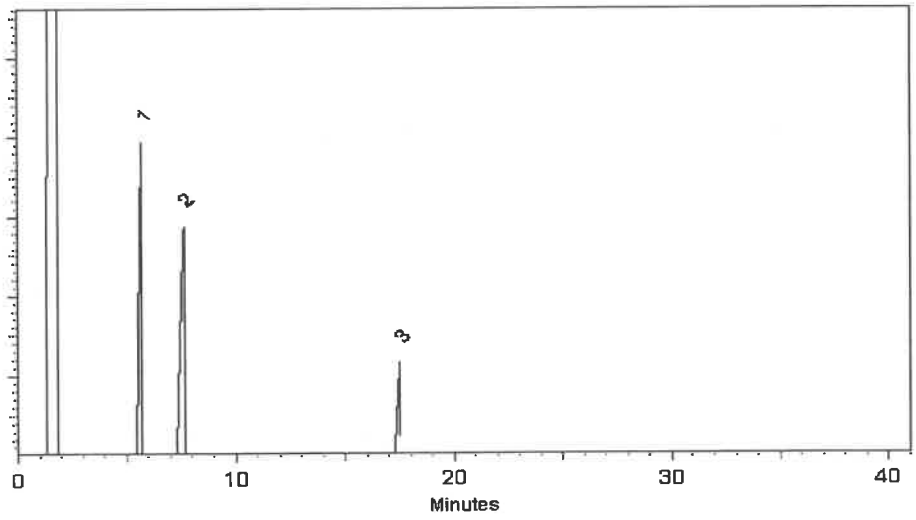
Inj. Temp:
250°C

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

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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.)

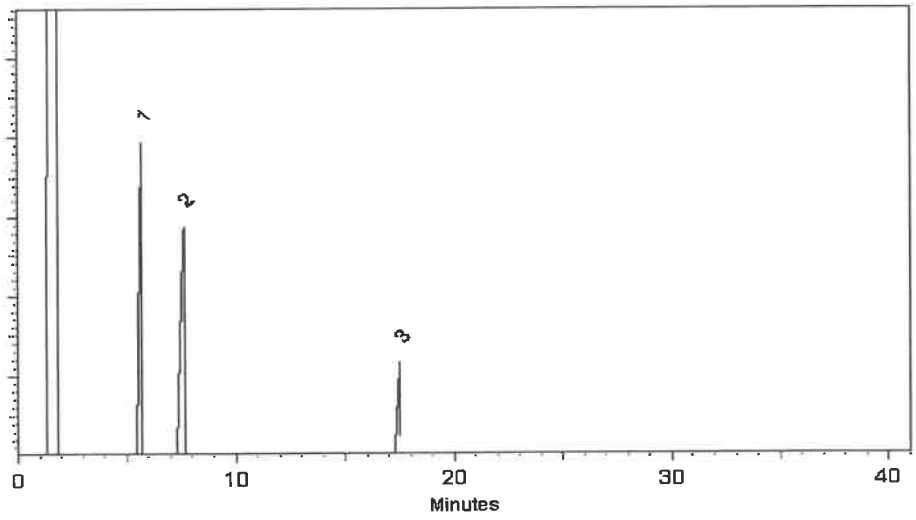
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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:
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Carrier Gas:
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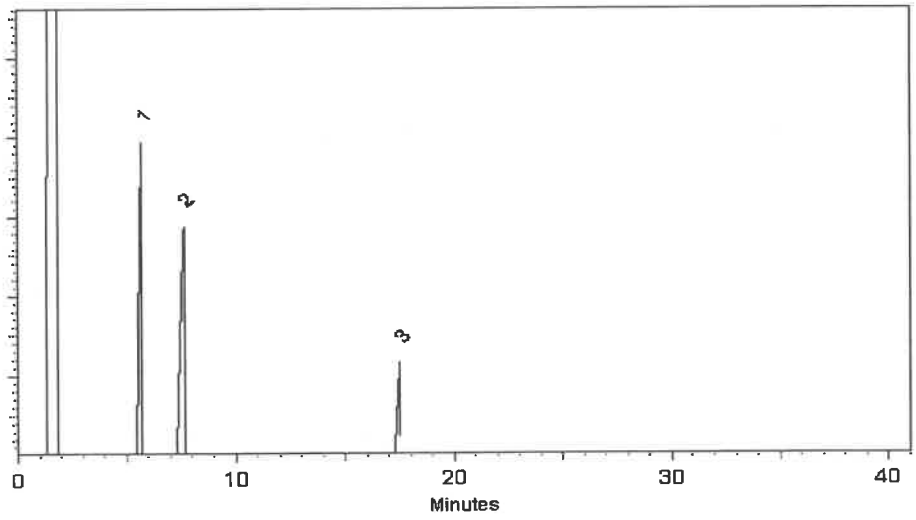
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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.

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Det. Temp:
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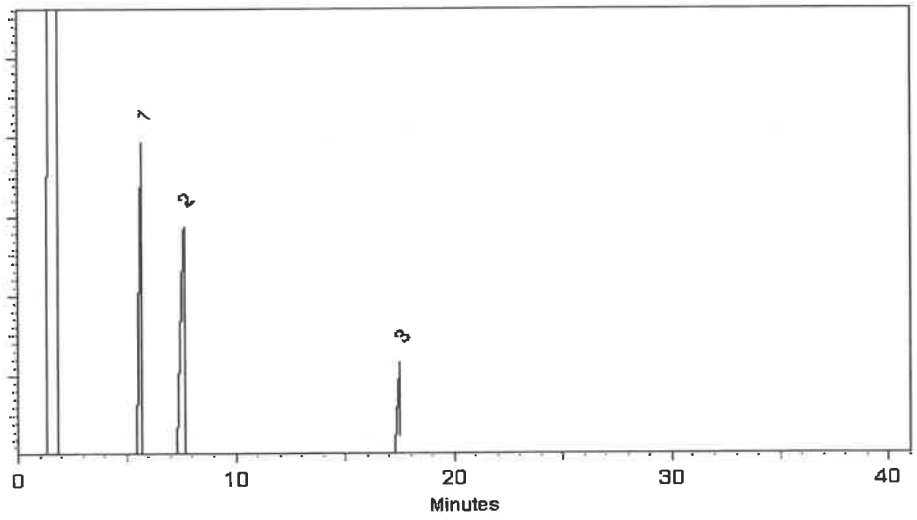
Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

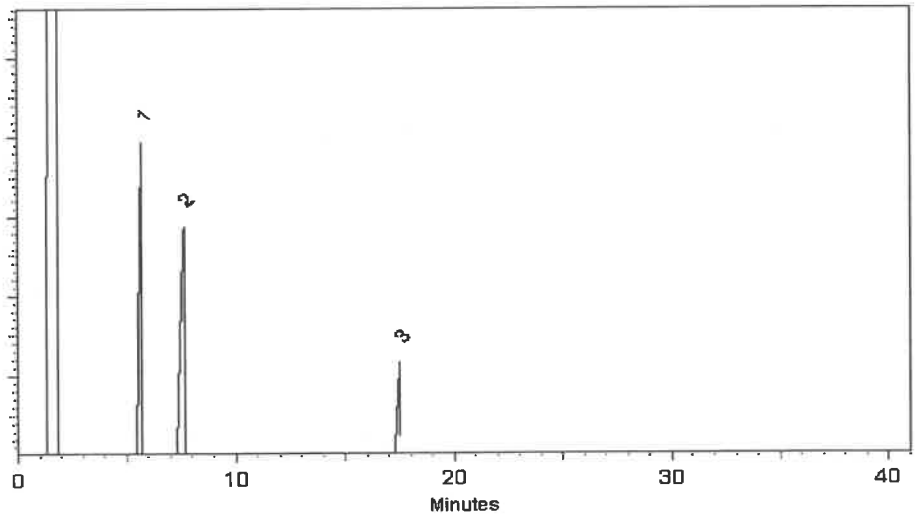
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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.)

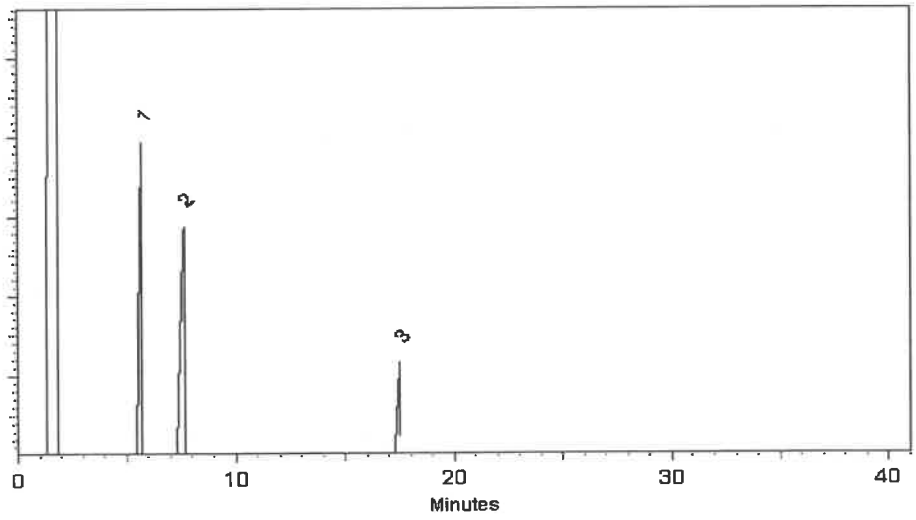
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

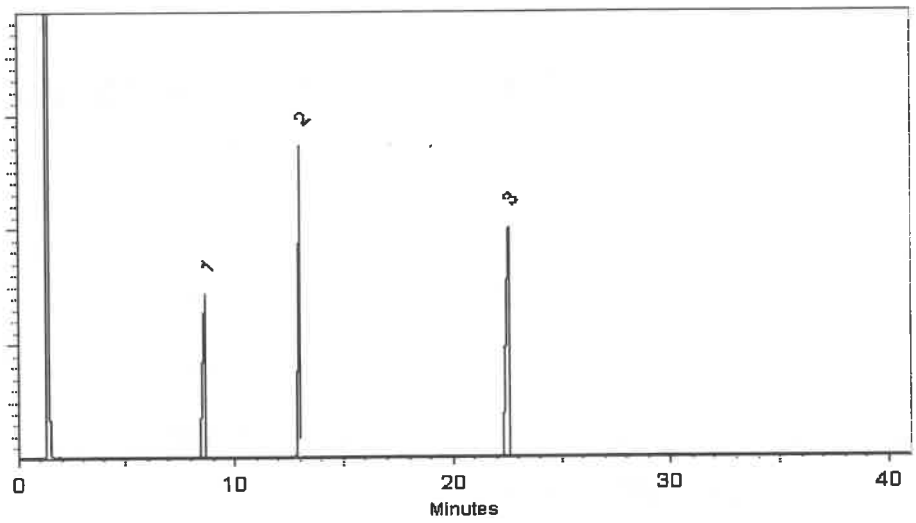
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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.)

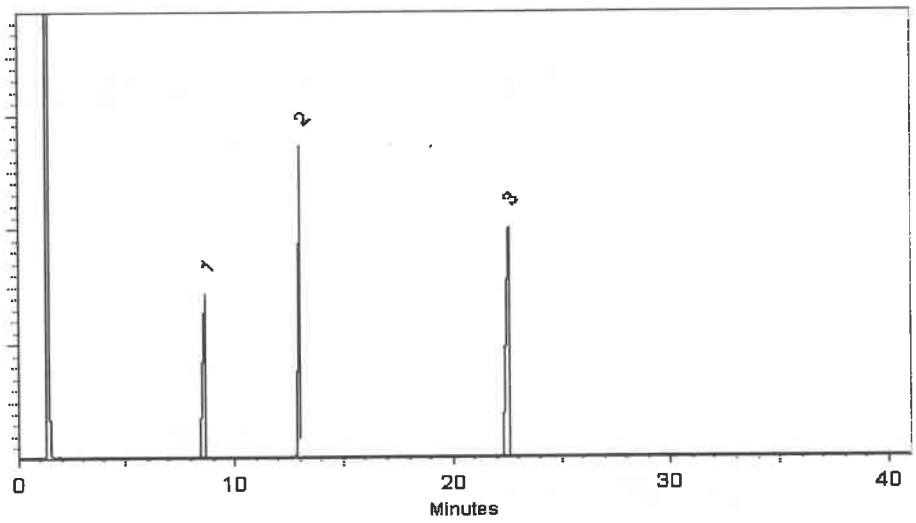
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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
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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.)

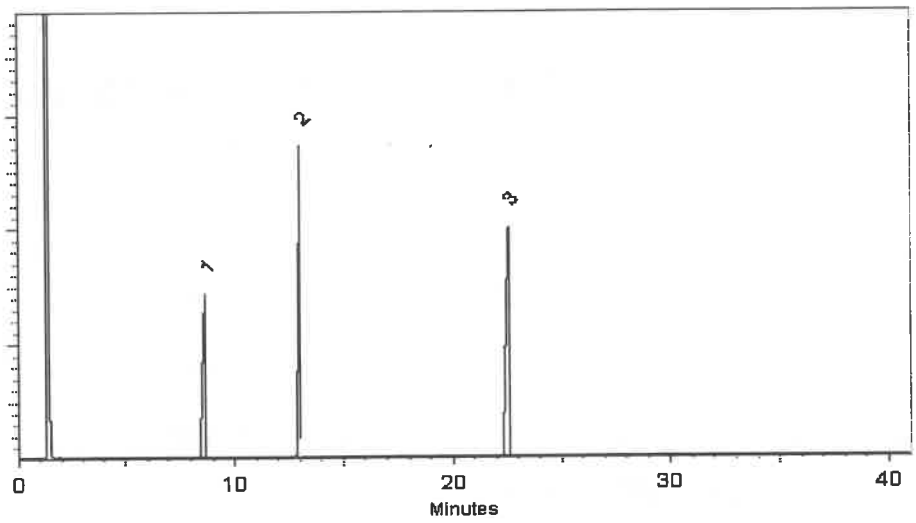
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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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)
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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:
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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.)

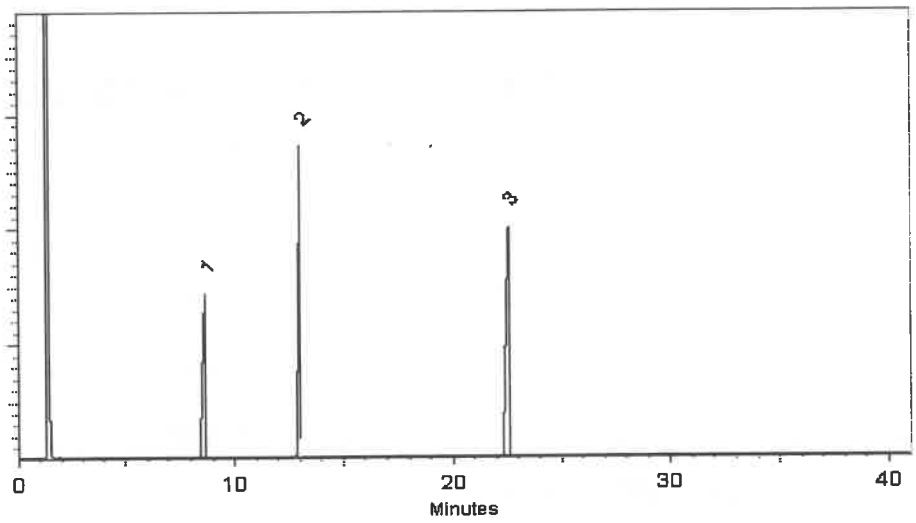
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jennifer Pollino - Operations Tech III - ARM QC

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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)
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* 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:
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Det. Type:
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Split Vent:
2 ml/min.

Inj. Vol
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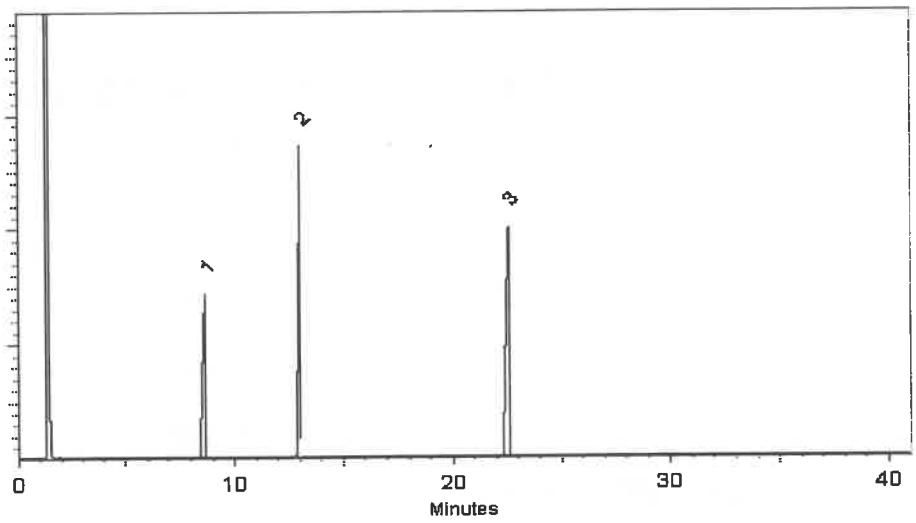

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S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

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Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Quality Confirmation Test

Column:
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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:
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Det. Type:
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Split Vent:
2 ml/min.

Inj. Vol
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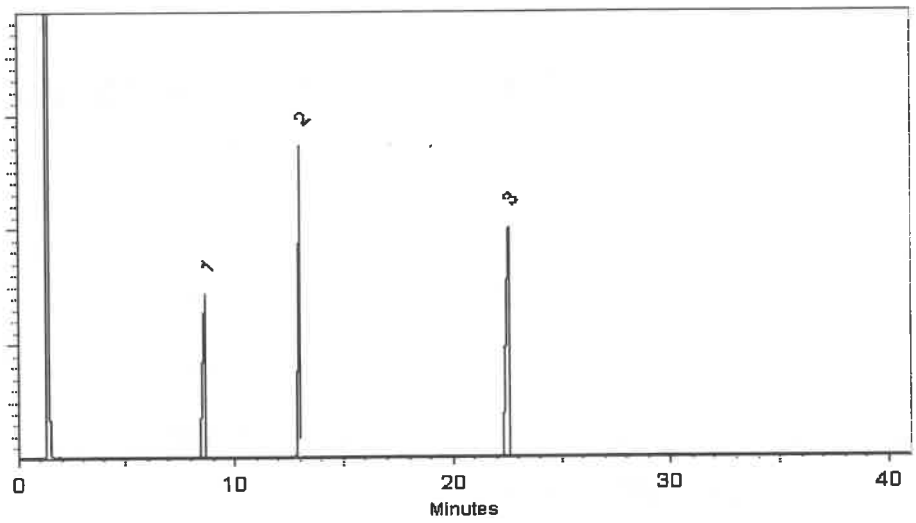

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Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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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

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

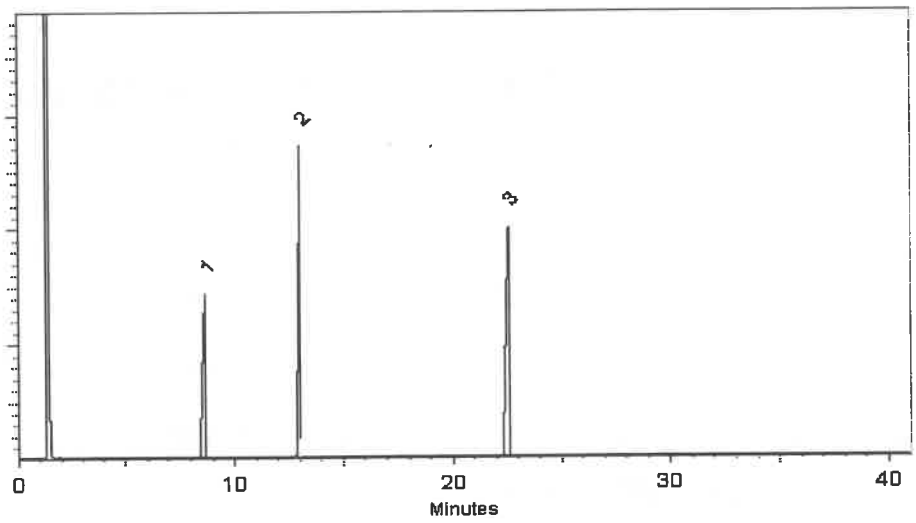
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

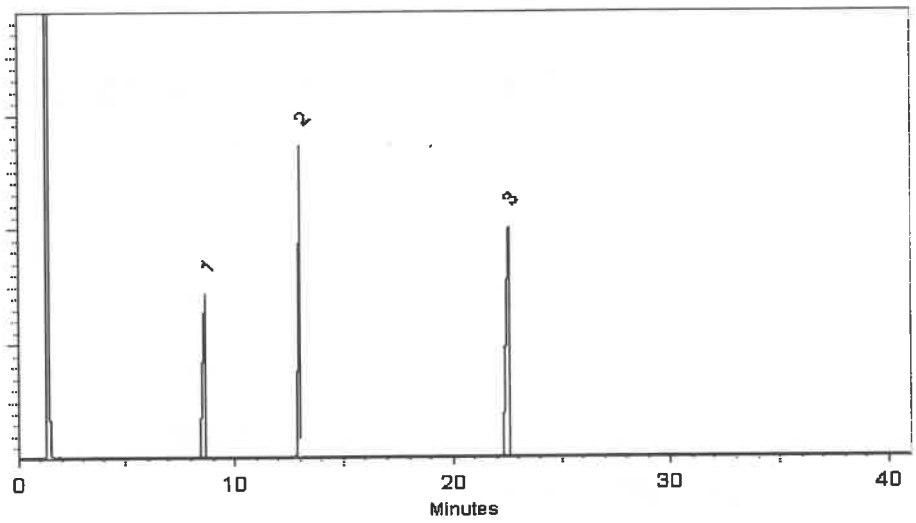
Inj. Temp:
250°C

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

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Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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Certificate of Analysis

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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.
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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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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
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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:

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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

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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
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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

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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

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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
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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:

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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:

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Certificate #3222.01

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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

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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.

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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

gravimetric

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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.
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Certificate of Analysis

chromatographic plus

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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.)

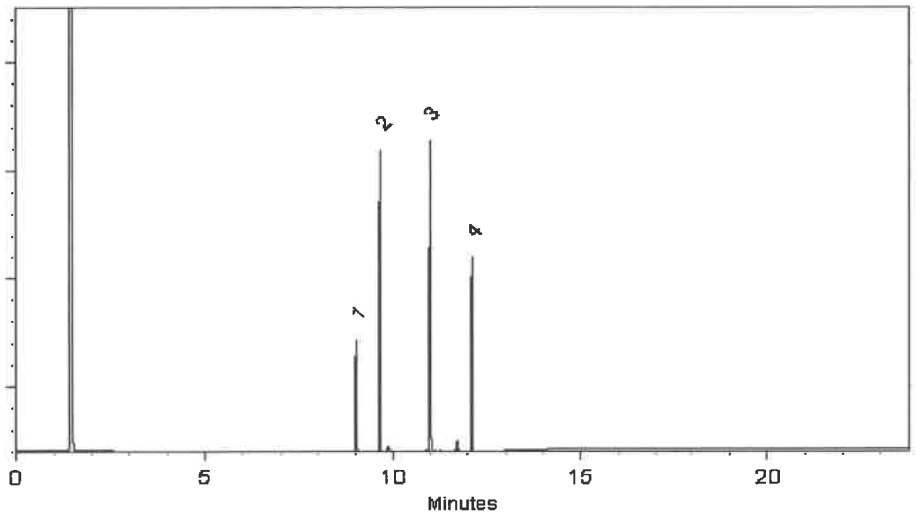
Inj. Temp:
250°C

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

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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

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Certificate of Analysis

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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

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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

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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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12280 ↓ S12284 RC 05/24/24

New numbers Generated.

S12790 ↓ S12794 RC 11/12/24

*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: _____
Shane Overcash
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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

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

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	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.

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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 ↓ S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1915
COC Number 2046745

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Ave #8 6th Flr
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M Encinas
PHONE: 732 590 4697 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: UTEN UST
PROJECT NO.: LOCATION: Mt Vernon NY
PROJECT MANAGER: M. Encinas
e-mail: EncinasMA@cdmsmith.com
PHONE: 732 590 4697 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Ave #8 6th Flr
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas PHONE: 732 590 4697

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B ❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1. TCLP VOC
2. TCLP SVOC
3. TCLP metals
4. Ignitability
5. Corrosivity
6. Reactivity
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	WC 04282025	Soil	✓	VOC only	4/28/25	1415	4	✓	✓	✓	✓	✓	✓			
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4/29/25 1345	1. 1345 4/29/25
2.		2.
3.	4-29-25 1650	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.5 °C
Comments: Temp 2.5° CAdjustment factor +1) IR Gun #1

Page _____ of
CLIENT: ❑ Hand Delivered ❑ Other
Shipment Complete ❑ YES ❑ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Chenenko, Ricky A. <chenenkora@cdmsmith.com>
Sent: Wednesday, May 14, 2025 1:16 PM
To: Yazmeen Gomez; yazmeen; Jordan Hedvat
Cc: Encinas, Marcie (Puskarik)
Subject: RE: Lab report Q1914

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Thanks very much.

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Wednesday, May 14, 2025 1:07 PM
To: Chenenko, Ricky A. <chenenkora@cdmsmith.com>; yazmeen <yazmeen@chemtech.net>; Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>
Cc: Encinas, Marcie (Puskarik) <EncinasMA@cdmsmith.com>
Subject: RE: Lab report Q1914

You don't often get email from yazmeen.gomez@alliancetg.com. Learn why this is important

Ricky,

I have let QA/QC know to create NYS B reports.

They should be uploaded by EOB.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Chenenko, Ricky A. <chenenkora@cdmsmith.com>
Sent: Wednesday, May 14, 2025 11:53 AM
To: yazmeen <yazmeen@chemtech.net>; Jordan Hedvat <jordan.hedvat@alliancetg.com>
Cc: Encinas, Marcie (Puskarik) <EncinasMA@cdmsmith.com>
Subject: Lab report Q1914

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Secured by Check Point

Yazmeen,

Can we get the ASP B report for Q1914? I think I checked off ASP A by mistake.

Thanks,

Ricky

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