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

SEMI-VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2259

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2259

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2259-01	OU4-PCS-TC-36-060525
Q2259-02	OU4-PCS-TC-36-060525
Q2259-03	OU4-PCS-TC-37-060525
Q2259-04	OU4-PCS-TC-37-060525
Q2259-05	OU4-TS-29-060525
Q2259-06	OU4-TS-30-060525

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

Signature : _____

Date: 6/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2259
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 06/06/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for SVOCMS Group3.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group3 was based on method 8270E and extraction was done based on method 3541.

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

The Surrogate recoveries met the acceptable criteria except for,
WC-5MS [Terphenyl-d14 - 52%]. As per SOW one base surrogate is allowed to fail, therefor no further corrective action was taken.

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 Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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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: Q2259 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for, WC-5MS [Terphenyl-d14 - 52%]. As per SOW one base surrogate is allowed to fail, therefor no further corrective action was taken.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all samples.			

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

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

ADDITIONAL COMMENTS:

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

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

The not QT review data is reported in the Miscellaneous.

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

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2259

	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:** 06/20/2025

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LAB CHRONICLE

OrderID:	Q2259	**OrderDate:**	6/6/2025 10:57:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	D21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2259-01	**OU4-PCS-TC-36-060525**	**SOIL**			**06/05/25**			**06/06/25**
			SVOCMS Group3	8270E		06/09/25	06/10/25	
Q2259-03	**OU4-PCS-TC-37-060525**	**SOIL**			**06/05/25**			**06/06/25**
			SVOCMS Group3	8270E		06/09/25	06/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2259

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	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.: Q2259

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168351BL	PB168351BL	Nitrobenzene-d5	100	80.5	81		37	122
		2-Fluorobiphenyl	100	78.5	78		44	115
		Terphenyl-d14	100	72.4	72		54	127
PB168351BS	PB168351BS	Nitrobenzene-d5	100	81.6	82		37	122
		2-Fluorobiphenyl	100	78.3	78		44	115
		Terphenyl-d14	100	90.8	91		54	127
Q2259-01	OU4-PCS-TC-36-060525	Nitrobenzene-d5	100	63.1	63		37	122
		2-Fluorobiphenyl	100	64.7	65		44	115
		Terphenyl-d14	100	66.2	66		54	127
Q2259-03	OU4-PCS-TC-37-060525	Nitrobenzene-d5	100	53.5	54		37	122
		2-Fluorobiphenyl	100	57.1	57		44	115
		Terphenyl-d14	100	58.1	58		54	127
Q2266-05MS	WC-5MS	Nitrobenzene-d5	100	49.8	50		37	122
		2-Fluorobiphenyl	100	50.7	51		44	115
		Terphenyl-d14	100	52.4	52	*	54	127
Q2266-05MSD	WC-5MSD	Nitrobenzene-d5	100	51.2	51		37	122
		2-Fluorobiphenyl	100	53.3	53		44	115
		Terphenyl-d14	100	54.3	54		54	127

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2266-05MS		**Client Sample ID:** WC-5MS						**DataFile:** BF142707.D			
Naphthalene	1100	0	1000	ug/Kg	91				35	123	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				38	122	
Acenaphthylene	1100	0	1000	ug/Kg	91				32	132	
Acenaphthene	1100	0	1100	ug/Kg	100				40	123	
Fluorene	1100	0	970	ug/Kg	88				43	125	
Phenanthrene	1100	0	1000	ug/Kg	91				50	121	
Anthracene	1100	0	1000	ug/Kg	91				47	123	
Fluoranthene	1100	0	1000	ug/Kg	91				50	127	
Pyrene	1100	0	1000	ug/Kg	91				47	127	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				49	126	
Chrysene	1100	0	1100	ug/Kg	100				50	124	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				45	132	
Benzo(k)fluoranthene	1100	0	980	ug/Kg	89				47	132	
Benzo(a)pyrene	1100	0	1000	ug/Kg	91				45	129	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1100	0	990	ug/Kg	90				43	134	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2266-05MSD		**Client Sample ID:** WC-5MSD						**DataFile:** BF142708.D			
Naphthalene	1100	0	1100	ug/Kg	100		9		35	123	20
2-Methylnaphthalene	1100	0	1000	ug/Kg	91		0		38	122	20
Acenaphthylene	1100	0	1100	ug/Kg	100		9		32	132	20
Acenaphthene	1100	0	1200	ug/Kg	109		9		40	123	20
Fluorene	1100	0	1000	ug/Kg	91		3		43	125	20
Phenanthrene	1100	0	1100	ug/Kg	100		9		50	121	20
Anthracene	1100	0	1100	ug/Kg	100		9		47	123	20
Fluoranthene	1100	0	1200	ug/Kg	109		18		50	127	20
Pyrene	1100	0	1100	ug/Kg	100		9		47	127	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100		0		49	126	20
Chrysene	1100	0	1100	ug/Kg	100		0		50	124	20
Benzo(b)fluoranthene	1100	0	1200	ug/Kg	109		9		45	132	20
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91		2		47	132	20
Benzo(a)pyrene	1100	0	1200	ug/Kg	109		18		45	129	20
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109		9		45	133	20
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109		9		45	134	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100		11		43	134	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2259

Client: Nobis Group

Analytical Method: 8270E **DataFile:** BF142703.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168351BS	Naphthalene	1700	1600	ug/Kg	94				35	123	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				38	122	
	Acenaphthylene	1700	1600	ug/Kg	94				32	132	
	Acenaphthene	1700	1700	ug/Kg	100				40	123	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	Phenanthrene	1700	1600	ug/Kg	94				50	121	
	Anthracene	1700	1600	ug/Kg	94				47	123	
	Fluoranthene	1700	1700	ug/Kg	100				50	127	
	Pyrene	1700	1800	ug/Kg	106				47	127	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				49	126	
	Chrysene	1700	1600	ug/Kg	94				50	124	
	Benzo(b)fluoranthene	1700	2100	ug/Kg	124				45	132	
	Benzo(k)fluoranthene	1700	2000	ug/Kg	118				47	132	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				45	129	
	Indeno(1,2,3-cd)pyrene	1700	2100	ug/Kg	124				45	133	
	Dibenz(a,h)anthracene	1700	2100	ug/Kg	124				45	134	
	Benzo(g,h,i)perylene	1700	2100	ug/Kg	124				43	134	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168351BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: BF142702.D Lab Sample ID: PB168351BL

Instrument ID: BNA_F Date Extracted: 06/09/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/10/2025

Level: (low/med) LOW Time Analyzed: 10:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168351BS	PB168351BS	BF142703.D	06/10/2025
OU4-PCS-TC-36-060525	Q2259-01	BF142704.D	06/10/2025
OU4-PCS-TC-37-060525	Q2259-03	BF142705.D	06/10/2025
WC-5MS	Q2266-05MS	BF142707.D	06/10/2025
WC-5MSD	Q2266-05MSD	BF142708.D	06/10/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: BF142687.D DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	17.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142689.D	06/09/2025	13:09
SSTDICC005	SSTDICC005	BF142690.D	06/09/2025	13:38
SSTDICC010	SSTDICC010	BF142691.D	06/09/2025	14:07
SSTDICC020	SSTDICC020	BF142692.D	06/09/2025	14:36
SSTDICCC040	SSTDICCC040	BF142693.D	06/09/2025	15:05
SSTDICC050	SSTDICC050	BF142694.D	06/09/2025	15:34
SSTDICC060	SSTDICC060	BF142695.D	06/09/2025	16:03
SSTDICC080	SSTDICC080	BF142696.D	06/09/2025	16:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q2259 SDG NO.: Q2259

Lab File ID: BF142700.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.3
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	32.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	45.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	16.8
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	BF142701.D	06/10/2025	09:39
PB168351BL	PB168351BL	BF142702.D	06/10/2025	10:08
PB168351BS	PB168351BS	BF142703.D	06/10/2025	10:37
OU4-PCS-TC-36-060525	Q2259-01	BF142704.D	06/10/2025	11:13
OU4-PCS-TC-37-060525	Q2259-03	BF142705.D	06/10/2025	11:42
WC-5MS	Q2266-05MS	BF142707.D	06/10/2025	12:41
WC-5MSD	Q2266-05MSD	BF142708.D	06/10/2025	13:10
SSTDCCC040EC	SSTDCCC040	BF142709.D	06/10/2025	13:44

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BF142701.D Time Analyzed: 09:39

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	82620	6.892	309806	8.18	166836	9.94
	UPPER LIMIT	165240	7.392	619612	8.681	333672	10.439
	LOWER LIMIT	41310	6.392	154903	7.681	83418	9.439
	EPA SAMPLE NO.						
01	PB168351BL	92057	6.89	355567	8.18	195730	9.93
02	PB168351BS	87982	6.89	355357	8.18	234579	9.94
03	OU4-PCS-TC-36-060525	69278	6.89	257460	8.18	139574	9.93
04	OU4-PCS-TC-37-060525	75387	6.89	295072	8.18	163176	9.93
05	WC-5MS	72888	6.89	273042	8.18	145075	9.93
06	WC-5MSD	72257	6.89	275500	8.18	142711	9.93

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG NO.: Q2259

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BF142701.D Time Analyzed: 09:39

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	293543	11.427	175532	14.068	161327	15.562
	UPPER LIMIT	587086	11.927	351064	14.568	322654	16.062
	LOWER LIMIT	146772	10.927	87766	13.568	80663.5	15.062
	EPA SAMPLE NO.						
01	PB168351BL	351690	11.42	279030	14.07	202587	15.56
02	PB168351BS	361738	11.43	224252	14.07	175871	15.56
03	OU4-PCS-TC-36-060525	225221	11.42	140912	14.06	168989	15.56
04	OU4-PCS-TC-37-060525	267108	11.42	167914	14.06	224529	15.56
05	WC-5MS	232310	11.42	148312	14.07	175165	15.56
06	WC-5MSD	234155	11.42	165870	14.07	192181	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:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142704.D	1	06/09/25 09:40	06/10/25 11:13	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	63.1		37 - 122		63%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.7		44 - 115		65%	SPK: 100
1718-51-0	Terphenyl-d14	66.2		54 - 127		66%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69300	6.892				
1146-65-2	Naphthalene-d8	257000	8.175				
15067-26-2	Acenaphthene-d10	140000	9.933				
1517-22-2	Phenanthrene-d10	225000	11.422				
1719-03-5	Chrysene-d12	141000	14.063				
1520-96-3	Perylene-d12	169000	15.557				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-36-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142704.D	1	06/09/25 09:40	06/10/25 11:13	PB168351

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142704.D
Acq On : 10 Jun 2025 11:13
Operator : RC/JU
Sample : Q2259-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Time: Jun 10 11:45:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

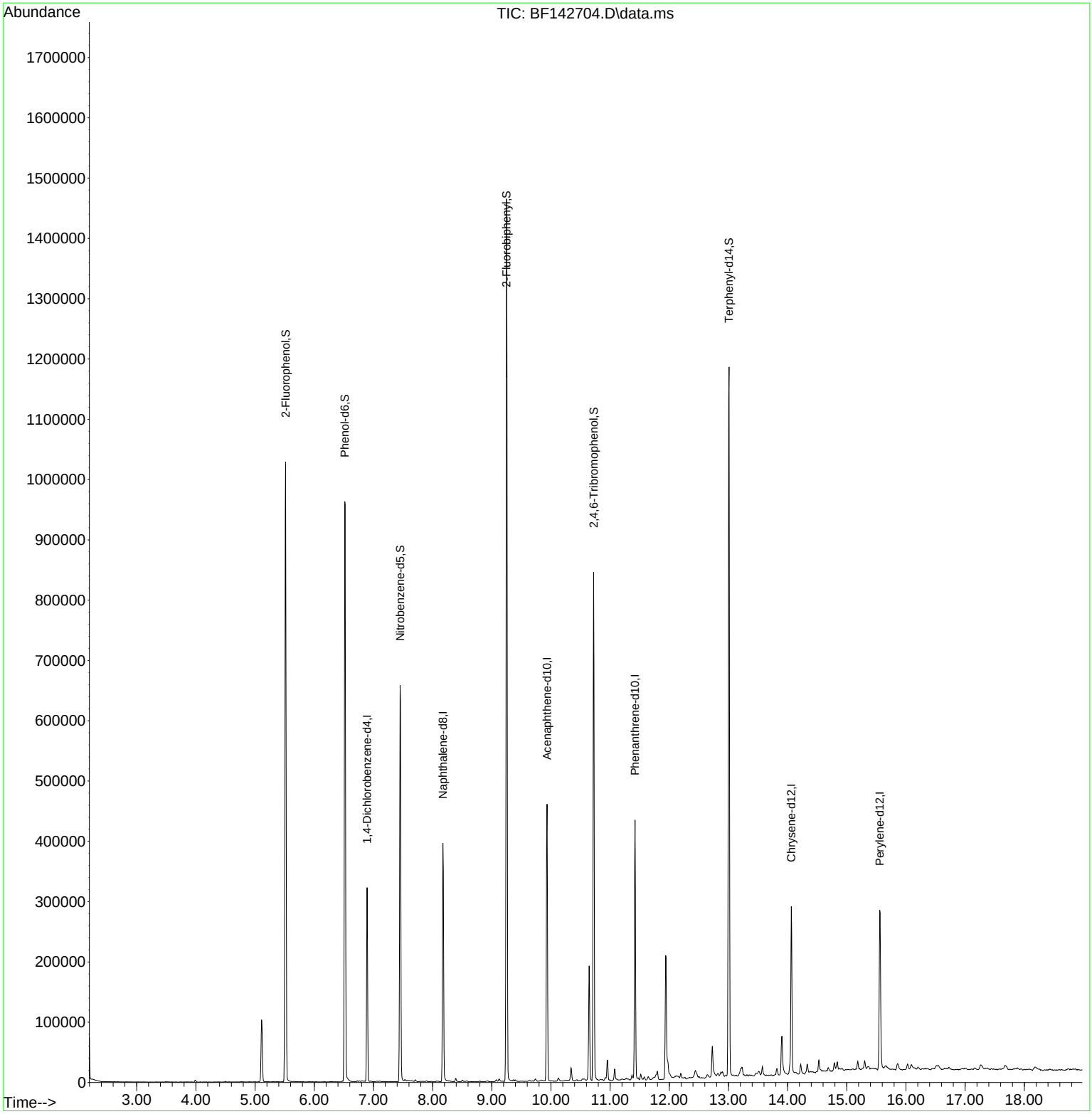
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	69278	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	257460	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	139574	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	225221	20.000	ng	0.00
76) Chrysene-d12	14.063	240	140912	20.000	ng	-0.01
86) Perylene-d12	15.557	264	168989	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	397838	97.507	ng	0.00
7) Phenol-d6	6.516	99	472895	98.833	ng	-0.02
23) Nitrobenzene-d5	7.451	82	295591	63.096	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	147290	93.927	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	660273	64.695	ng	-0.01
79) Terphenyl-d14	13.010	244	589689	66.184	ng	0.00
Target Compounds						Qvalue

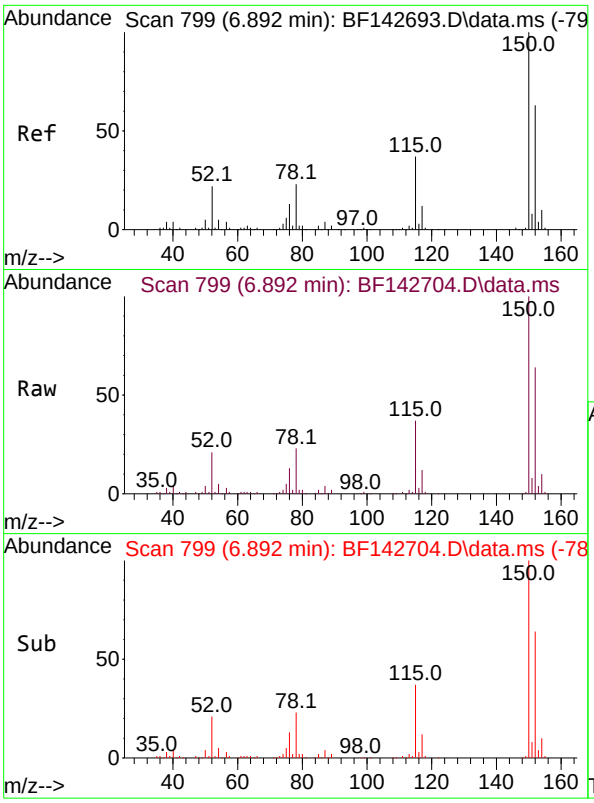
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142704.D
Acq On : 10 Jun 2025 11:13
Operator : RC/JU
Sample : Q2259-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Time: Jun 10 11:45:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



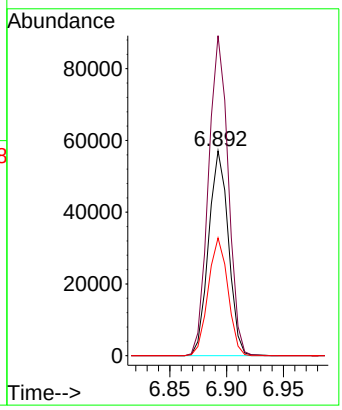


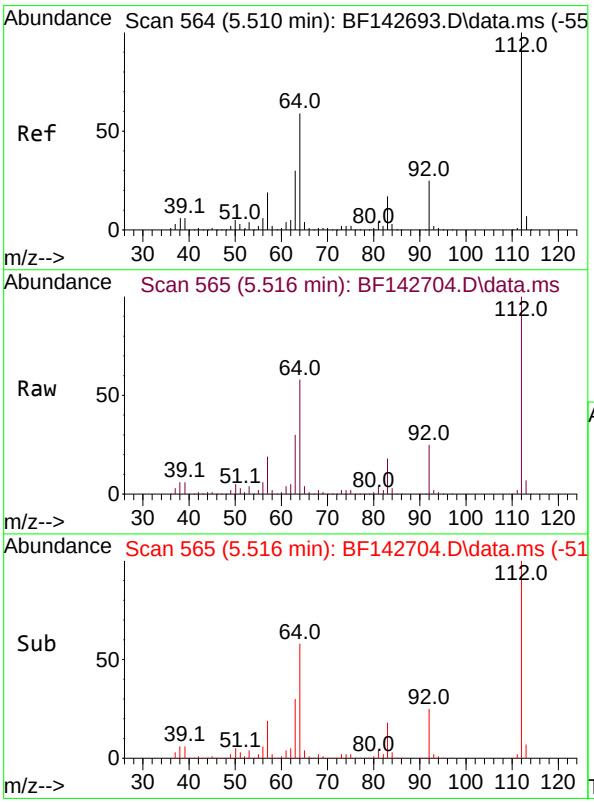
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:152 Resp: 69278

Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.8	190.2
115	57.5	46.8	70.2

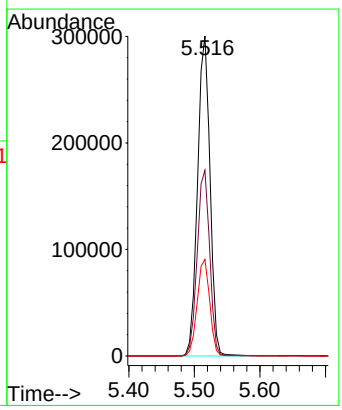


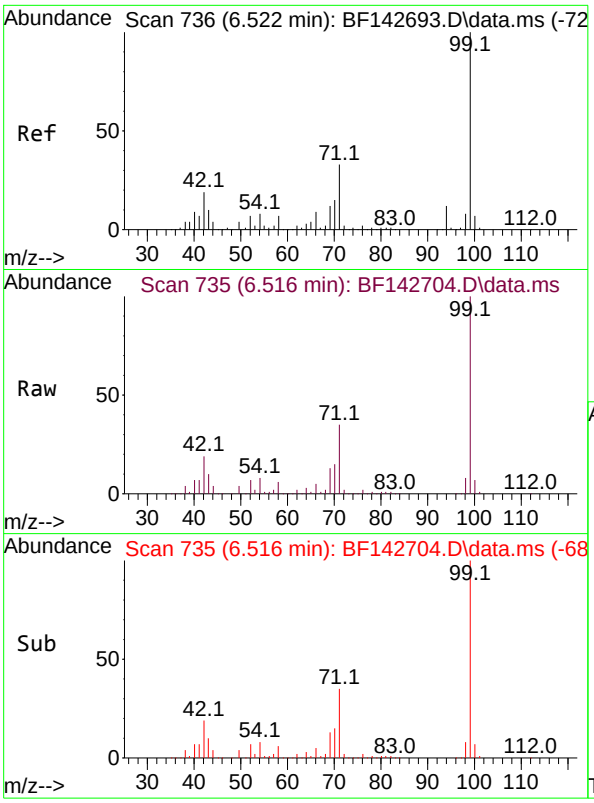


#5
2-Fluorophenol
Concen: 97.507 ng
RT: 5.516 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Tgt Ion:112 Resp: 397838

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.9	70.3
63	30.1	24.3	36.5



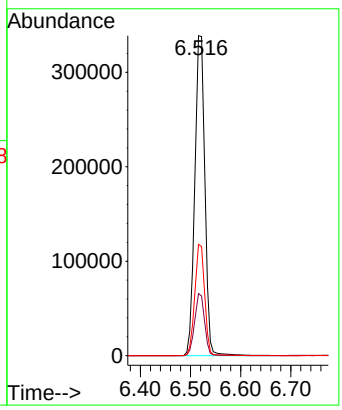


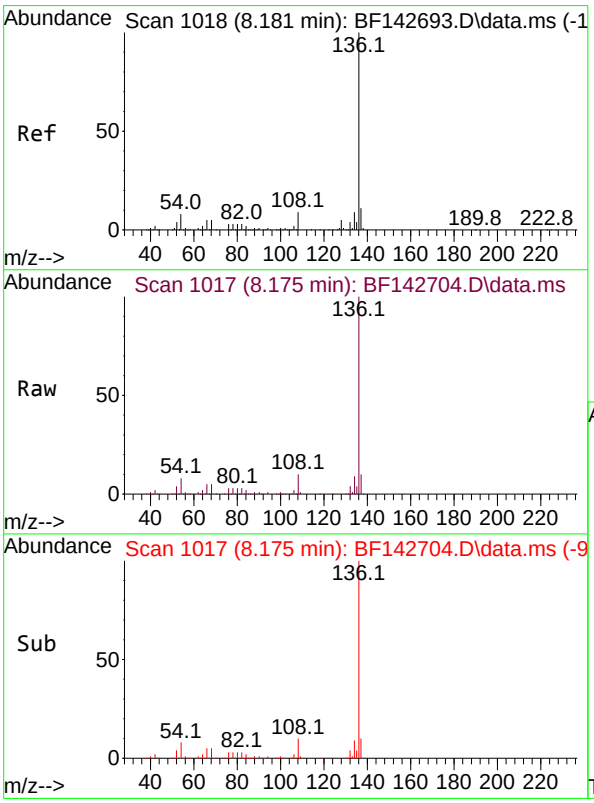
#7
Phenol-d6
Concen: 98.833 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion: 99 Resp: 472895

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.3	22.9
71	34.8	26.3	39.5

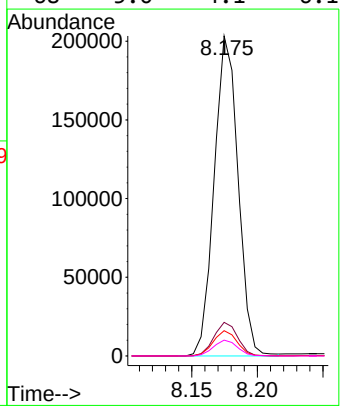


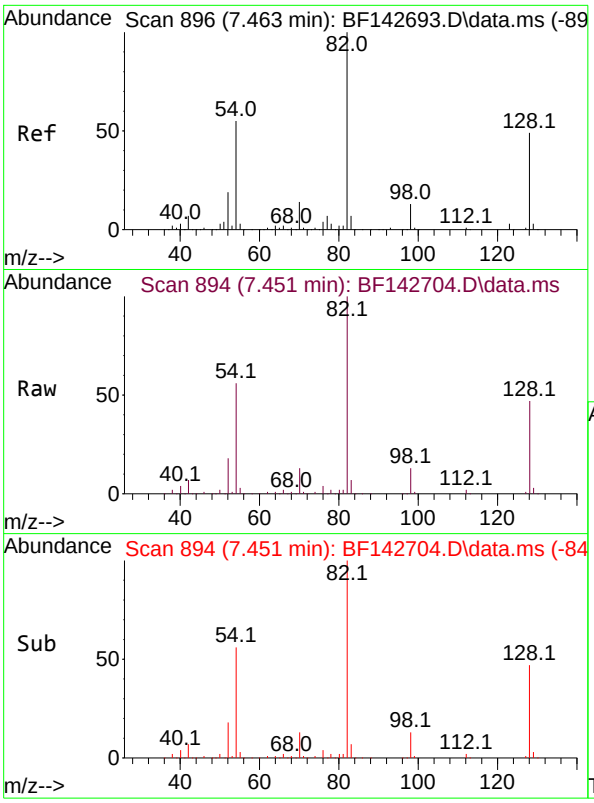


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Tgt Ion:136 Resp: 257460

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.9	6.4	9.6
68	5.0	4.1	6.1



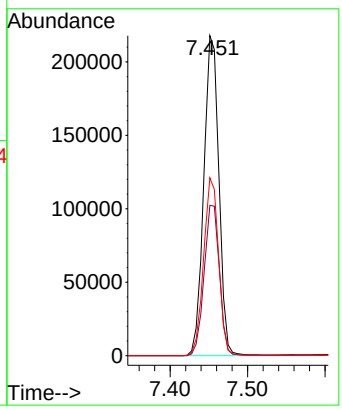


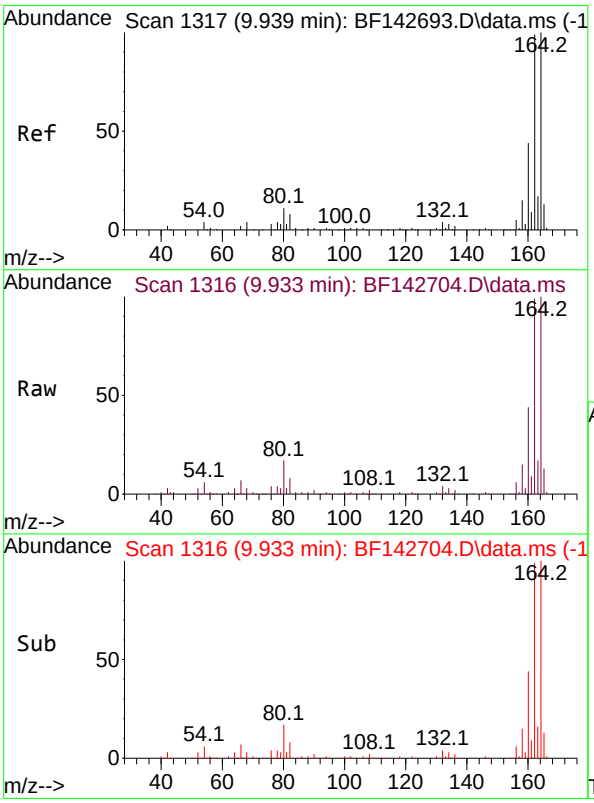
#23
Nitrobenzene-d5
Concen: 63.096 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion: 82 Resp: 295591

Ion	Ratio	Lower	Upper
82	100		
128	47.0	39.3	58.9
54	55.6	44.2	66.2

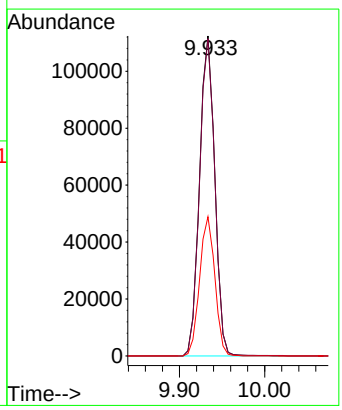


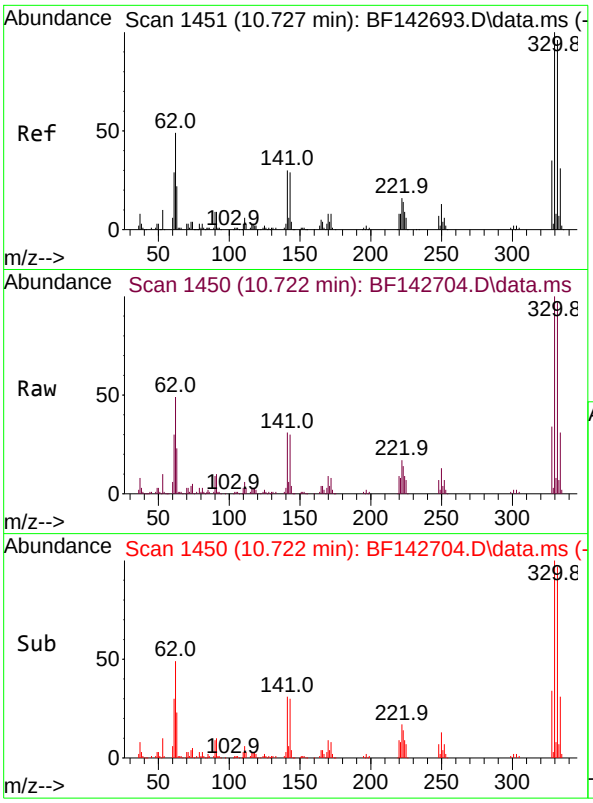


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Tgt Ion:164 Resp: 139574

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.1	118.7
160	43.5	35.4	53.0



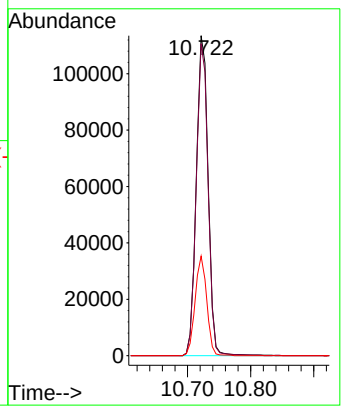


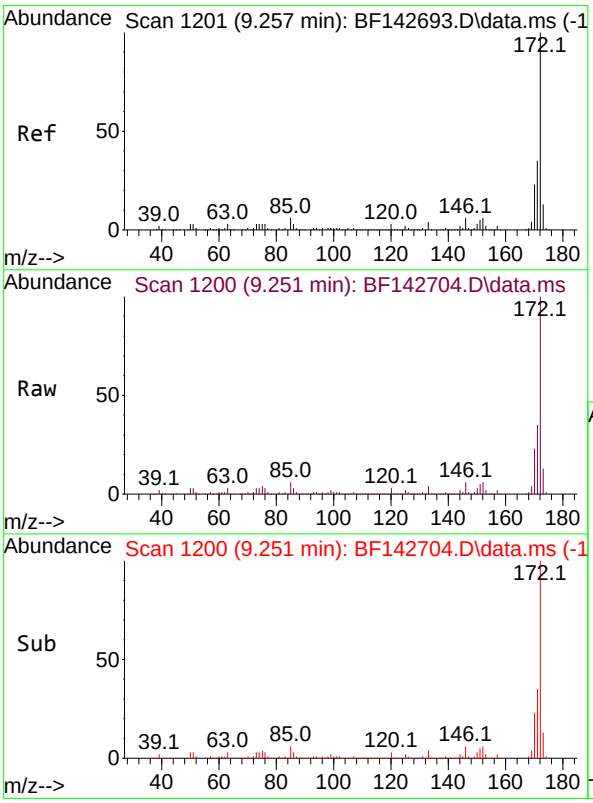
#42
2,4,6-Tribromophenol
Concen: 93.927 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:330 Resp: 147290

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	30.5	23.5	35.3

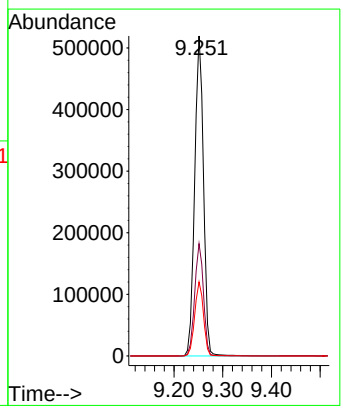


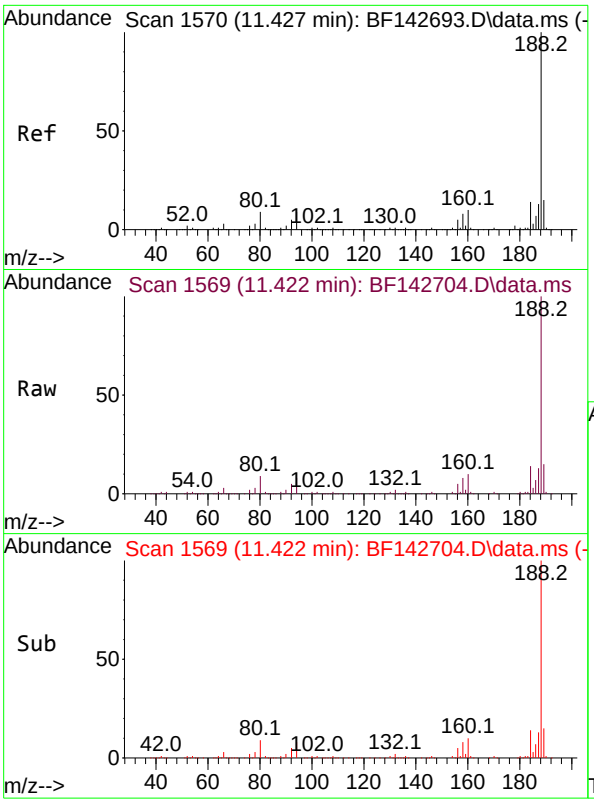


#45
2-Fluorobiphenyl
Concen: 64.695 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Tgt Ion:172 Resp: 660273

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.2	18.7	28.1



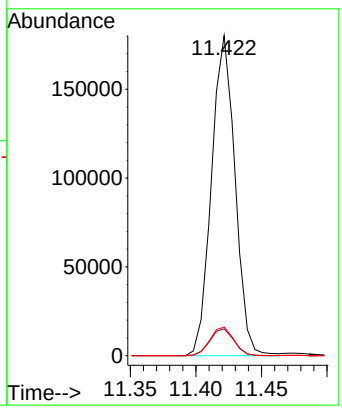


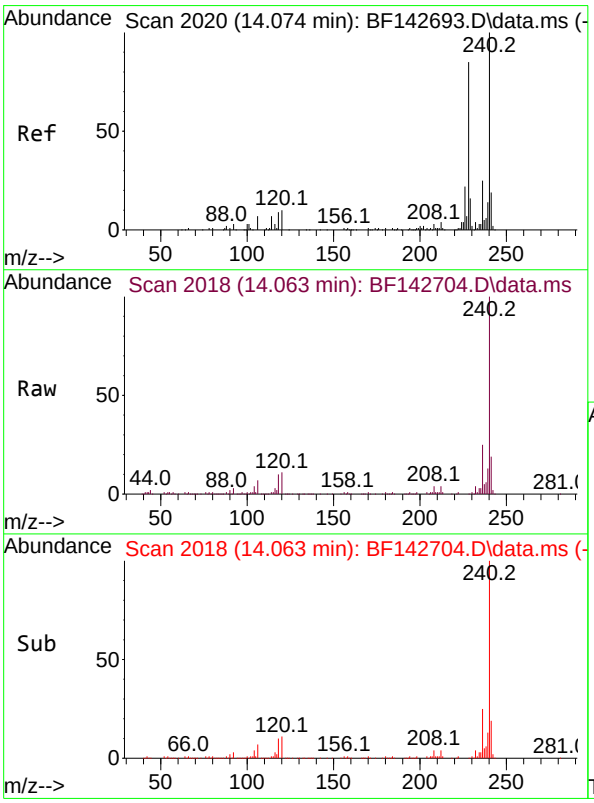
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:188 Resp: 225221

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.0	10.4
80	8.9	7.2	10.8

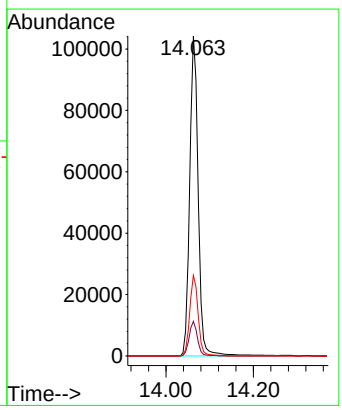


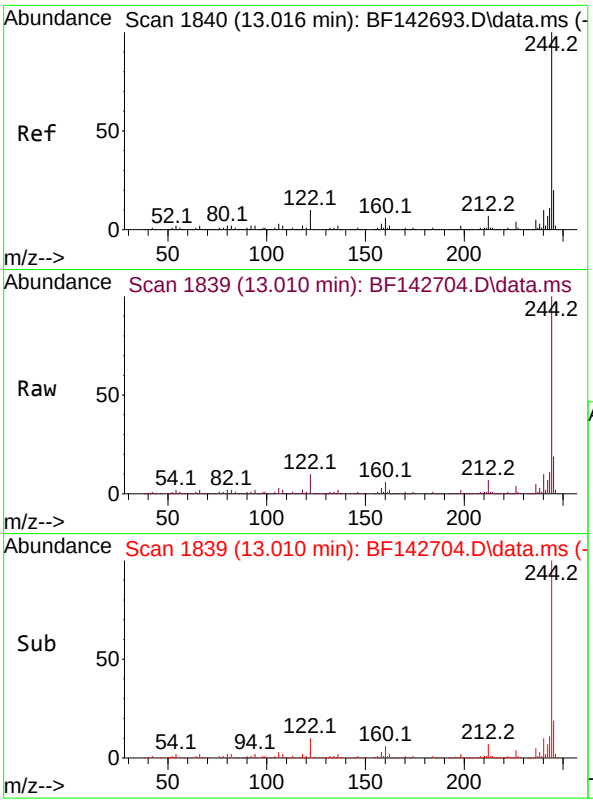


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Tgt Ion:240 Resp: 140912

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.4	12.6
236	25.2	20.2	30.2



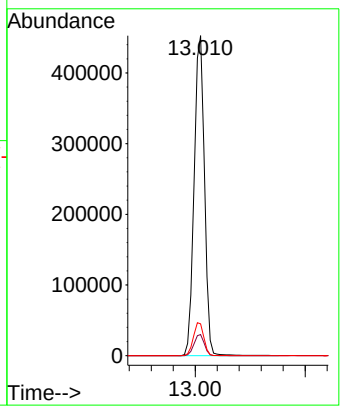


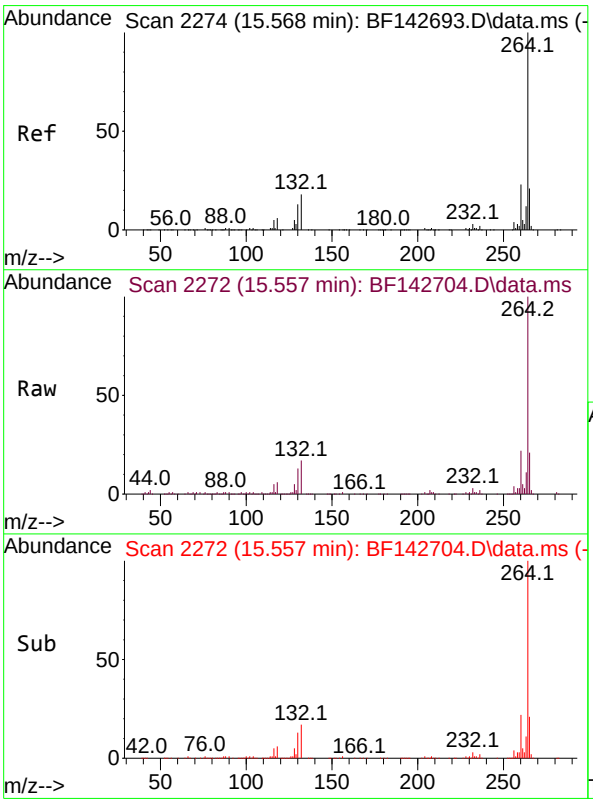
#79
Terphenyl-d14
Concen: 66.184 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Tgt Ion:244 Resp: 589689

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.0	8.2	12.2

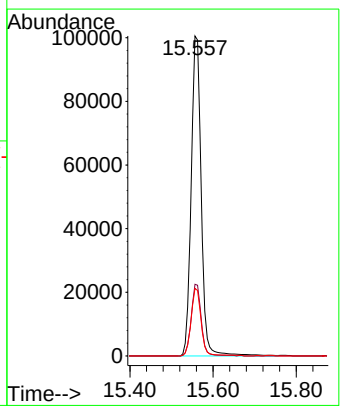




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142704.D
Acq: 10 Jun 2025 11:13

Tgt Ion:264 Resp: 168989

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	21.1	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142704.D
Acq On : 10 Jun 2025 11:13
Operator : RC/JU
Sample : Q2259-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142704.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	483	496	503	rBV	102963	152374	8.28%	1.253%
2	5.516	559	565	570	rBV	1028186	1357463	73.75%	11.165%
3	6.516	730	735	755	rVB	962062	1339232	72.76%	11.015%
4	6.892	794	799	804	rBV	321294	386916	21.02%	3.182%
5	7.451	888	894	905	rBV	657261	893221	48.53%	7.347%
6	8.175	1012	1017	1028	rBV	395603	505969	27.49%	4.162%
7	9.251	1194	1200	1205	rBV	1463753	1840676	100.00%	15.139%
8	9.933	1311	1316	1325	rVB	459155	570036	30.97%	4.688%
9	10.339	1380	1385	1392	rVB2	21574	33080	1.80%	0.272%
10	10.645	1429	1437	1442	rBV	189842	242089	13.15%	1.991%
11	10.722	1445	1450	1460	rBV	843239	1080769	58.72%	8.889%
12	10.957	1486	1490	1495	rVB	33023	42431	2.31%	0.349%
13	11.074	1502	1510	1516	rBV4	19106	31584	1.72%	0.260%
14	11.422	1564	1569	1575	rVB	428977	533960	29.01%	4.392%
15	11.798	1626	1633	1640	rVB7	13509	29869	1.62%	0.246%
16	11.939	1651	1657	1675	rBV2	205443	368439	20.02%	3.030%
17	12.439	1735	1742	1750	rBV3	11216	28583	1.55%	0.235%
18	12.727	1786	1791	1803	rBV	50296	87137	4.73%	0.717%
19	13.010	1833	1839	1844	rBV	1175580	1541071	83.72%	12.675%
20	13.210	1866	1873	1874	rBV3	12140	19337	1.05%	0.159%
21	13.574	1931	1935	1945	rVB3	14899	23261	1.26%	0.191%
22	13.904	1985	1991	2007	rBV	63667	119379	6.49%	0.982%
23	14.063	2009	2018	2027	rBV	278301	388197	21.09%	3.193%
24	14.221	2041	2045	2051	rBV	15402	21944	1.19%	0.180%
25	14.333	2059	2064	2069	rBV	13445	20575	1.12%	0.169%
26	14.527	2093	2097	2102	rBV	18329	27282	1.48%	0.224%
27	15.557	2266	2272	2284	rBV	265030	449836	24.44%	3.700%
28	15.857	2320	2323	2337	rVB2	10420	23510	1.28%	0.193%

Sum of corrected areas: 12158220

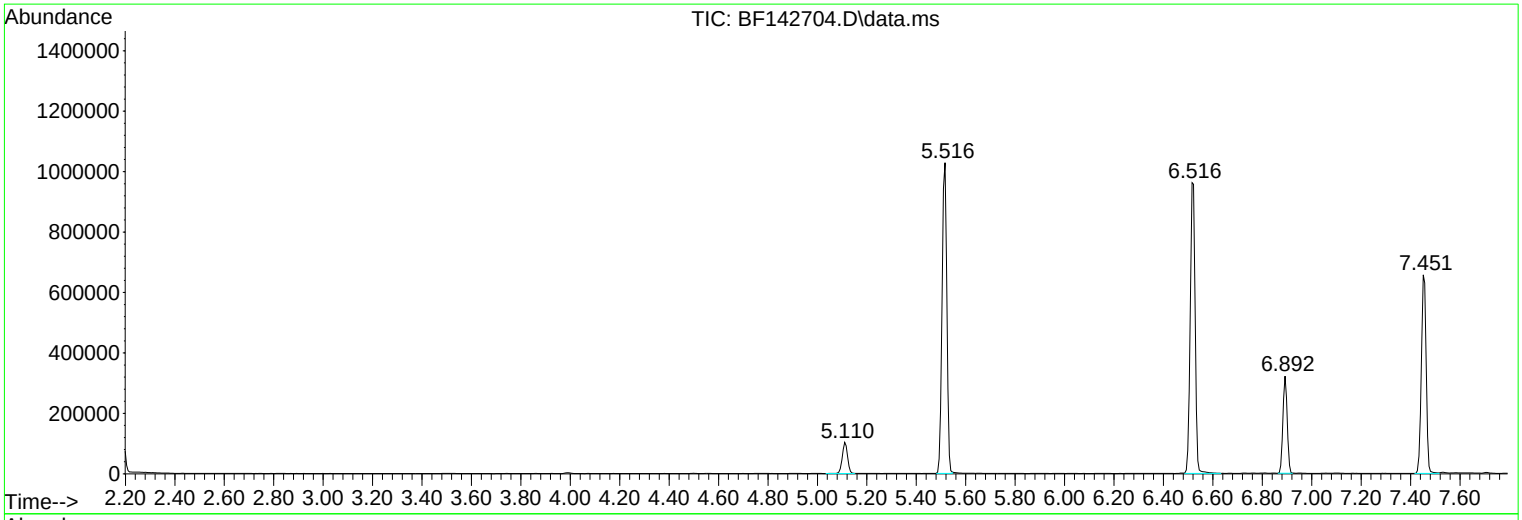
Sample Results: **BF142704.D**

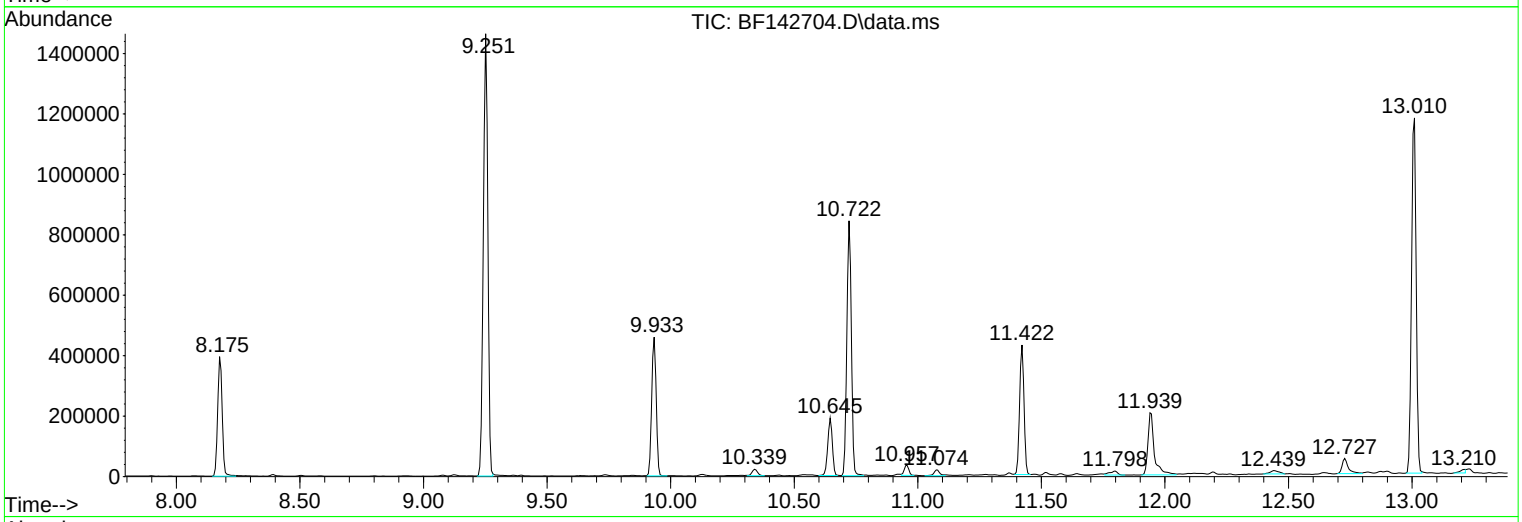
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142704.D
Acq On : 10 Jun 2025 11:13
Operator : RC/JU
Sample : Q2259-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

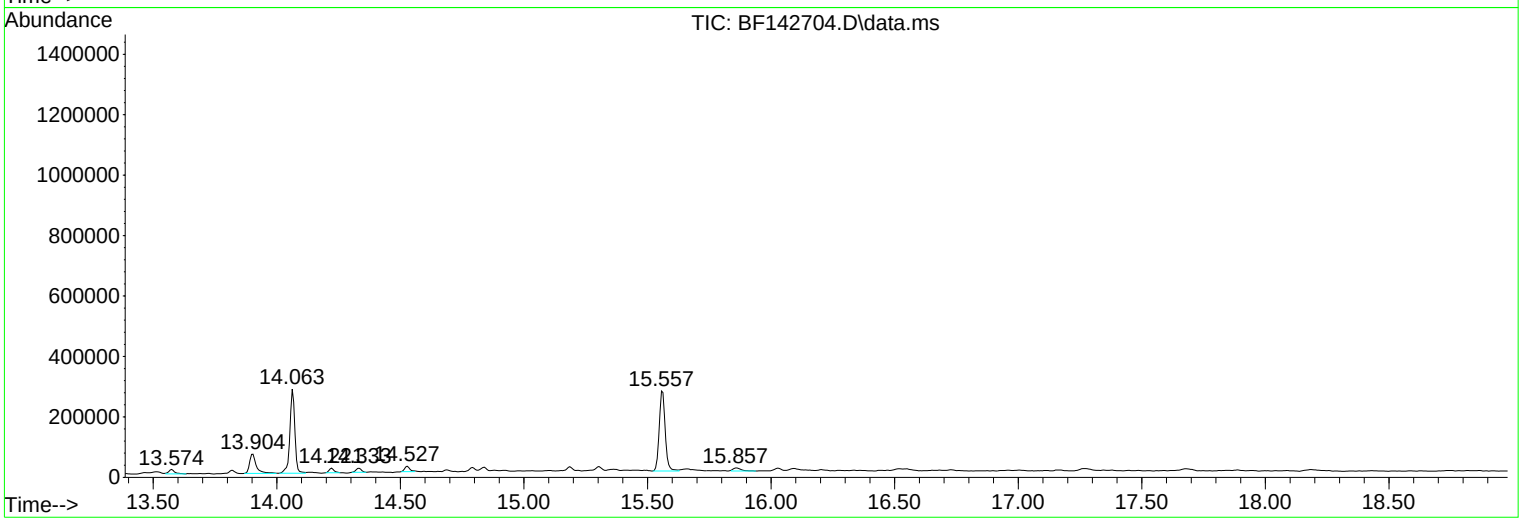
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142704.D
Acq On : 10 Jun 2025 11:13
Operator : RC/JU
Sample : Q2259-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142704.D
Acq On : 10 Jun 2025 11:13
Operator : RC/JU
Sample : Q2259-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-36-060525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142705.D	1	06/09/25 09:40	06/10/25 11:42	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	53.5		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.1		44 - 115		57%	SPK: 100
1718-51-0	Terphenyl-d14	58.1		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75400	6.892				
1146-65-2	Naphthalene-d8	295000	8.175				
15067-26-2	Acenaphthene-d10	163000	9.933				
1517-22-2	Phenanthrene-d10	267000	11.422				
1719-03-5	Chrysene-d12	168000	14.063				
1520-96-3	Perylene-d12	225000	15.557				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/05/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	OU4-PCS-TC-37-060525	SDG No.:	Q2259
Lab Sample ID:	Q2259-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142705.D	1	06/09/25 09:40	06/10/25 11:42	PB168351

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142705.D
Acq On : 10 Jun 2025 11:42
Operator : RC/JU
Sample : Q2259-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Time: Jun 10 12:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

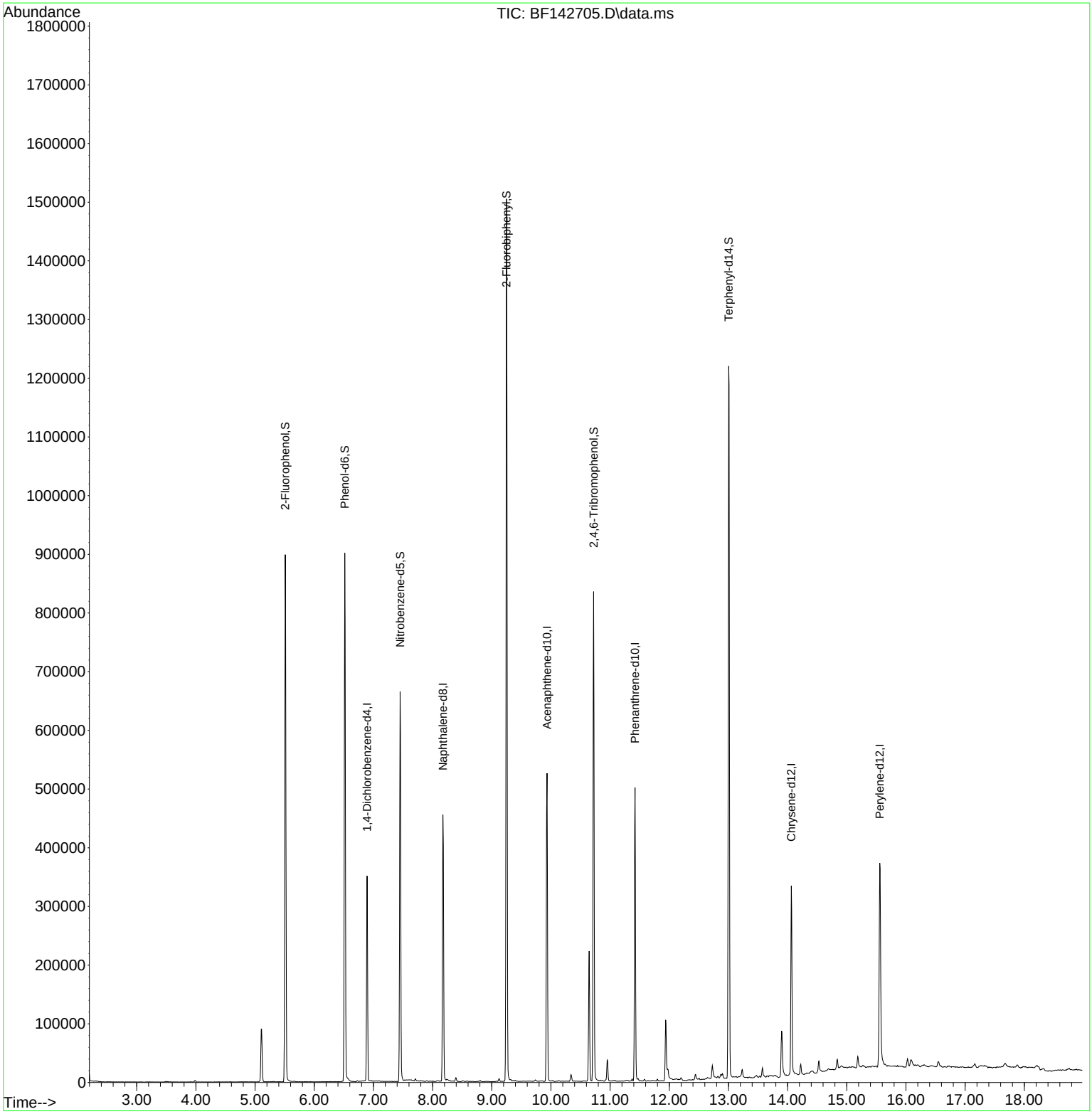
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	75387	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	295072	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	163176	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	267108	20.000	ng	0.00
76) Chrysene-d12	14.063	240	167914	20.000	ng	-0.01
86) Perylene-d12	15.557	264	224529	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	347997	78.380	ng	0.00
7) Phenol-d6	6.516	99	421183	80.893	ng	-0.02
23) Nitrobenzene-d5	7.451	82	287322	53.513	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	146843	80.098	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	680719	57.051	ng	-0.01
79) Terphenyl-d14	13.004	244	616656	58.081	ng	-0.01
Target Compounds						Qvalue

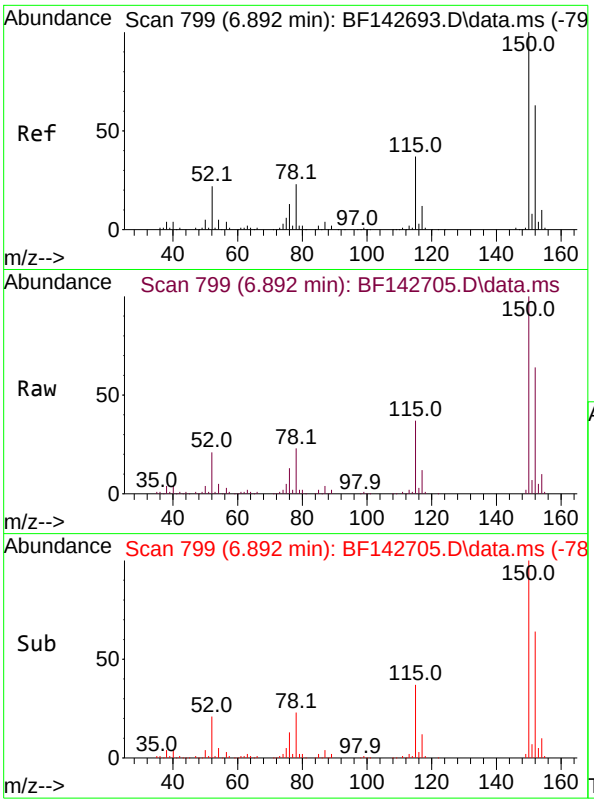
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142705.D
Acq On : 10 Jun 2025 11:42
Operator : RC/JU
Sample : Q2259-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Time: Jun 10 12:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



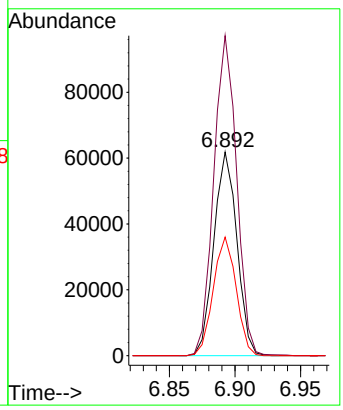


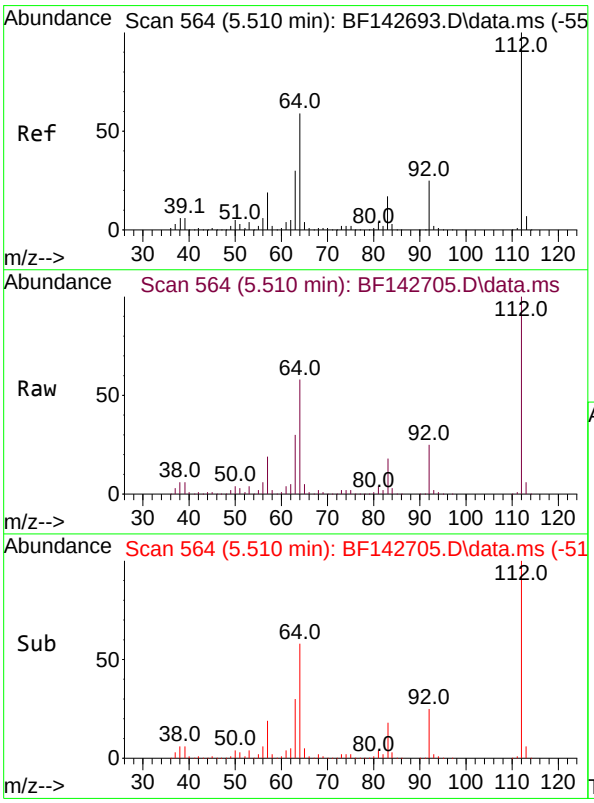
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:152 Resp: 75387

Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.8	190.2
115	58.2	46.8	70.2

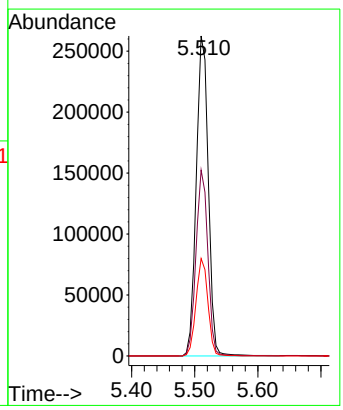


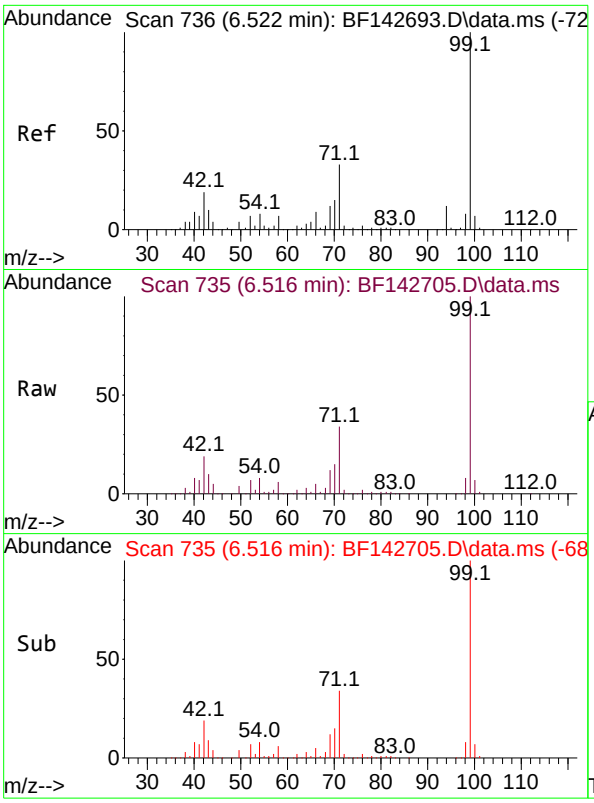


#5
2-Fluorophenol
Concen: 78.380 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:112 Resp: 347997

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.9	70.3
63	30.5	24.3	36.5



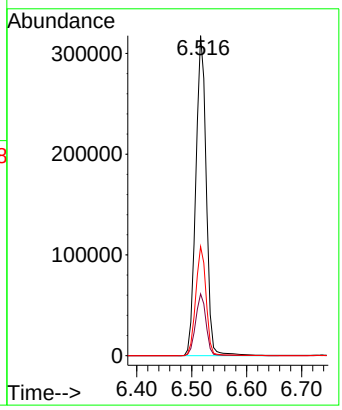


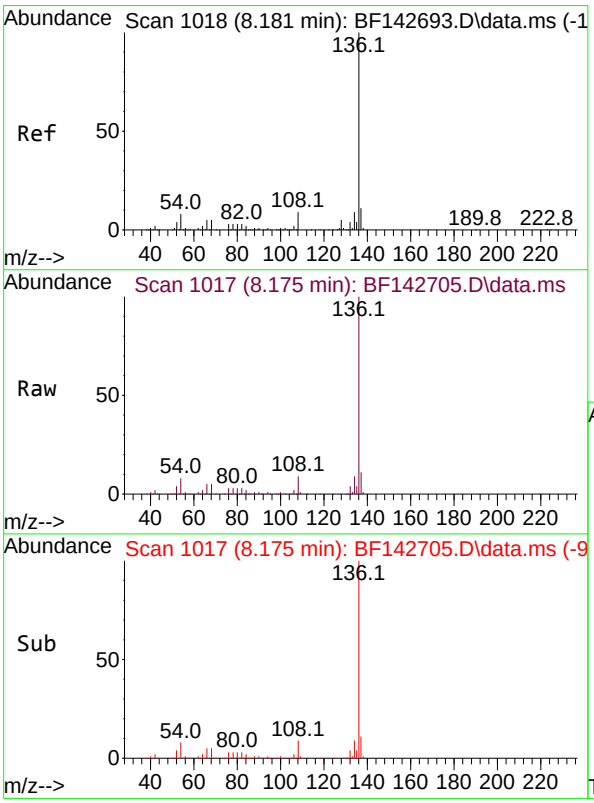
#7
Phenol-d6
Concen: 80.893 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion: 99 Resp: 421183

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.3	22.9
71	34.1	26.3	39.5

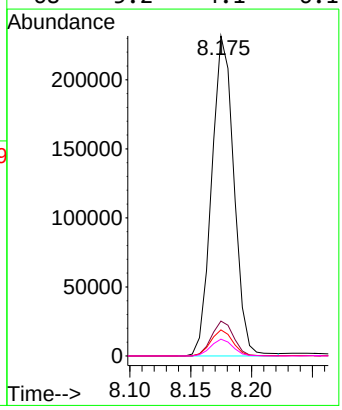


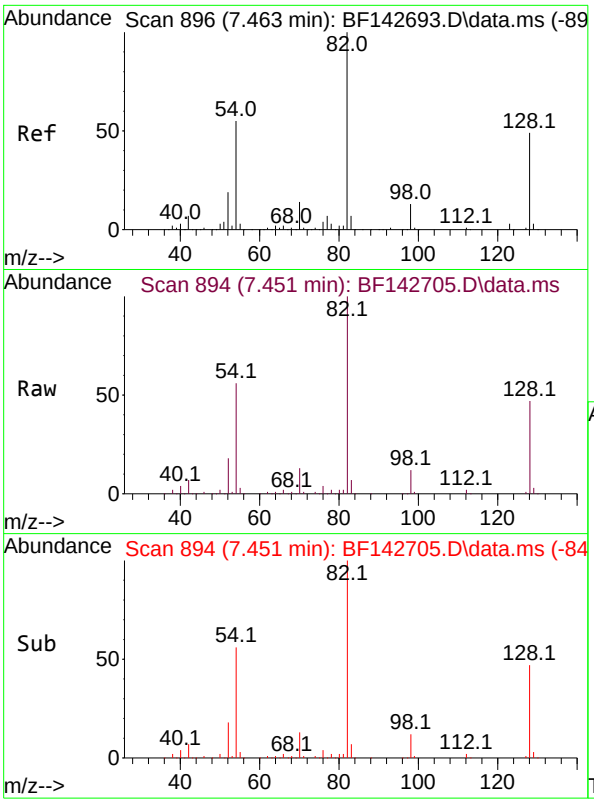


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:136 Resp: 295072

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	6.4	9.6
68	5.2	4.1	6.1



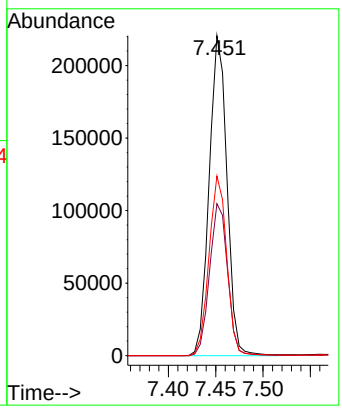


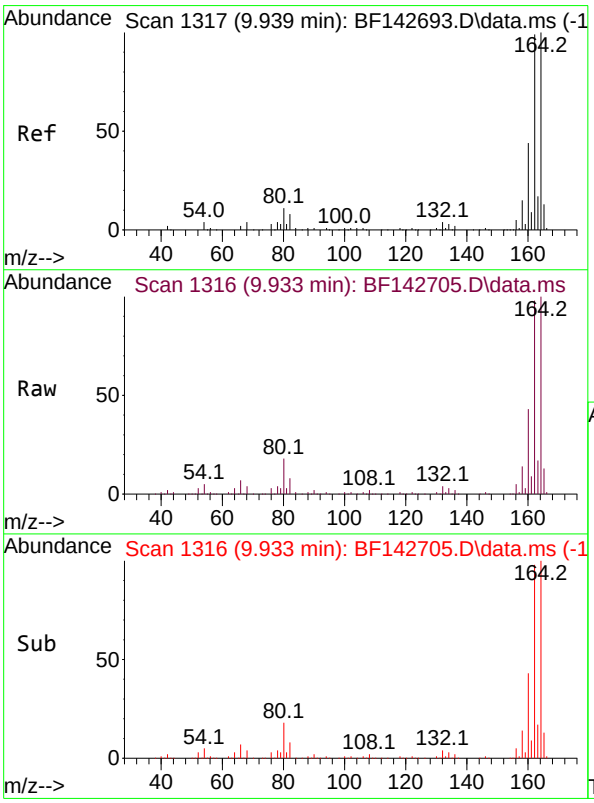
#23
Nitrobenzene-d5
Concen: 53.513 ng
RT: 7.451 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion: 82 Resp: 287322

Ion	Ratio	Lower	Upper
82	100		
128	47.5	39.3	58.9
54	56.2	44.2	66.2

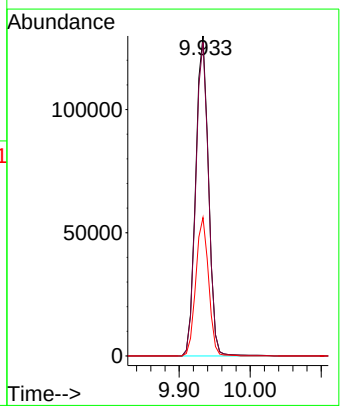


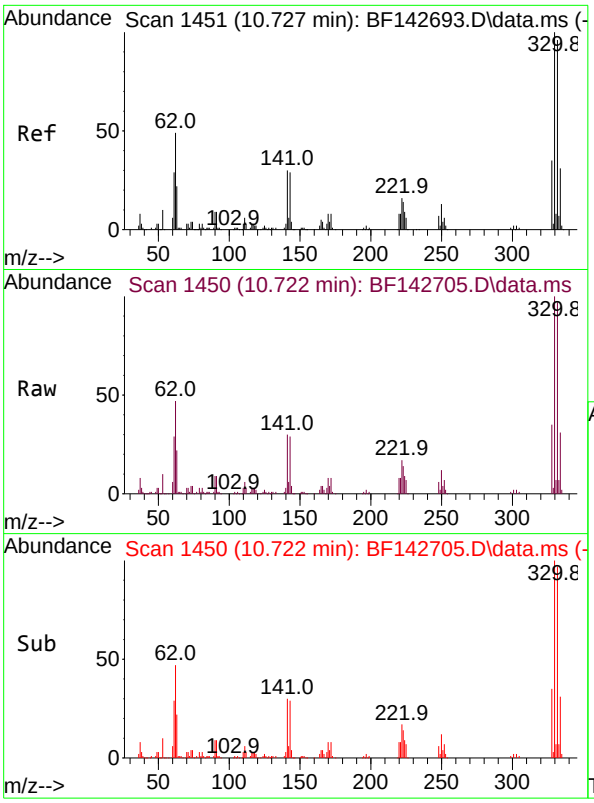


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:164 Resp: 163176

Ion	Ratio	Lower	Upper
164	100		
162	98.0	79.1	118.7
160	43.2	35.4	53.0



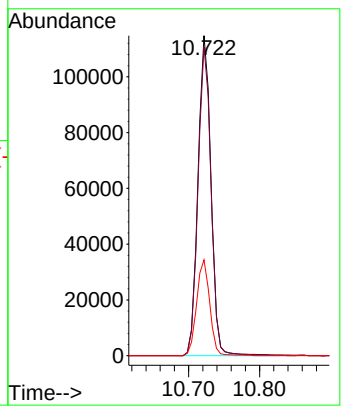


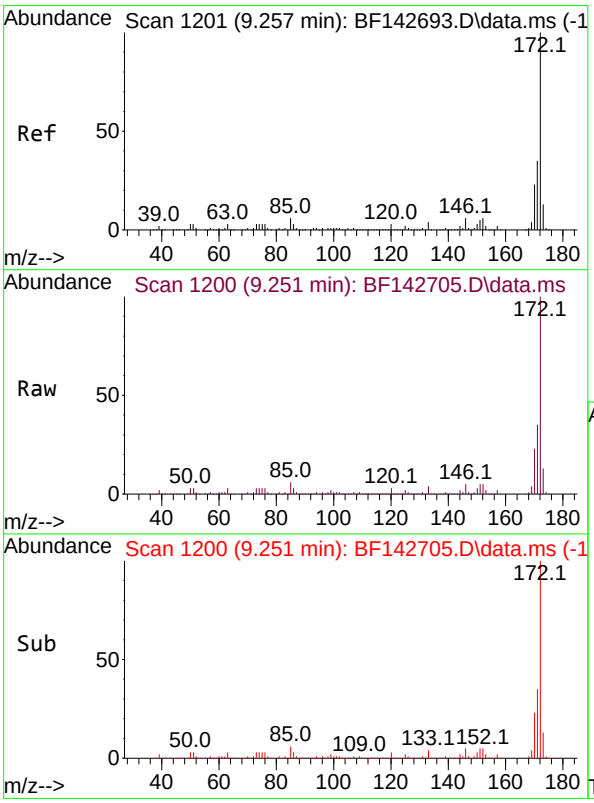
#42
2,4,6-Tribromophenol
Concen: 80.098 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:330 Resp: 146843

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.1	115.7
141	30.1	23.5	35.3

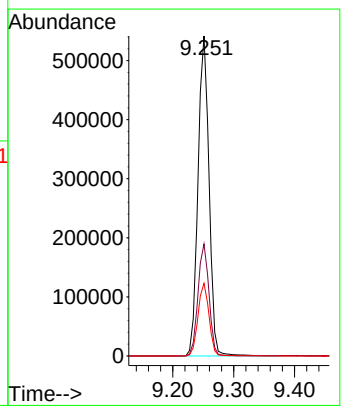


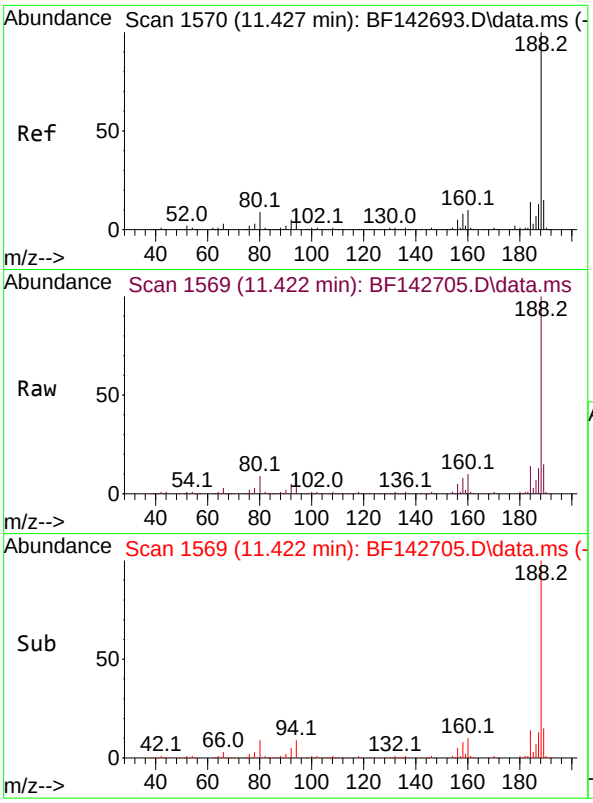


#45
2-Fluorobiphenyl
Concen: 57.051 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:172 Resp: 680719

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.3	42.5
170	22.7	18.7	28.1



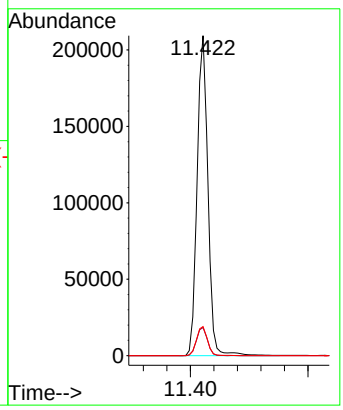


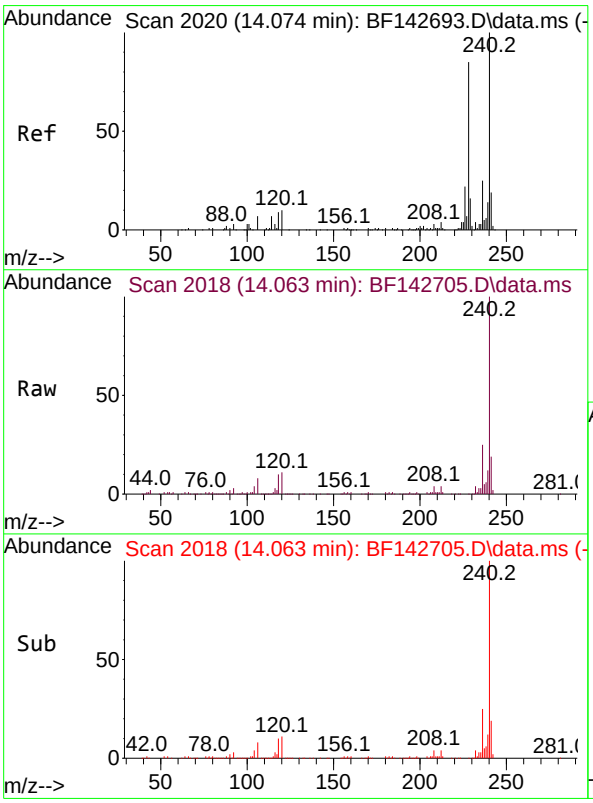
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:188 Resp: 267108

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.4
80	9.1	7.2	10.8

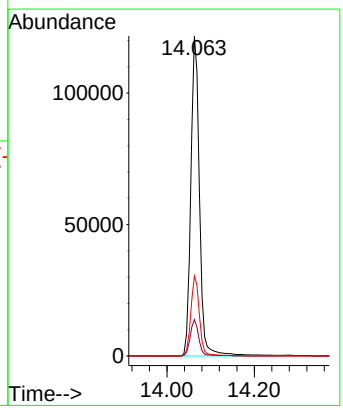


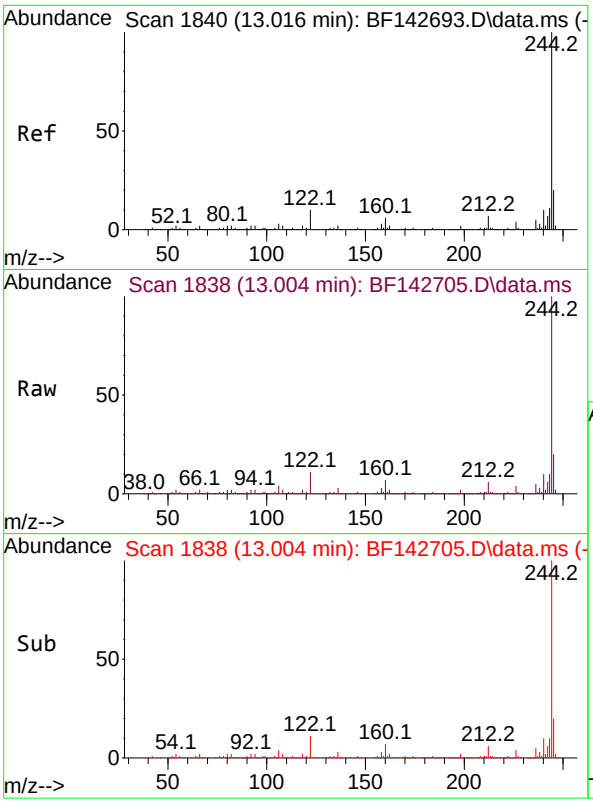


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:240 Resp: 167914

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.4	12.6
236	25.0	20.2	30.2



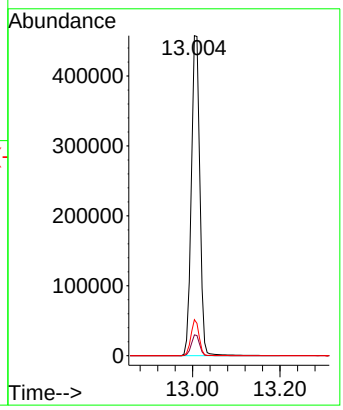


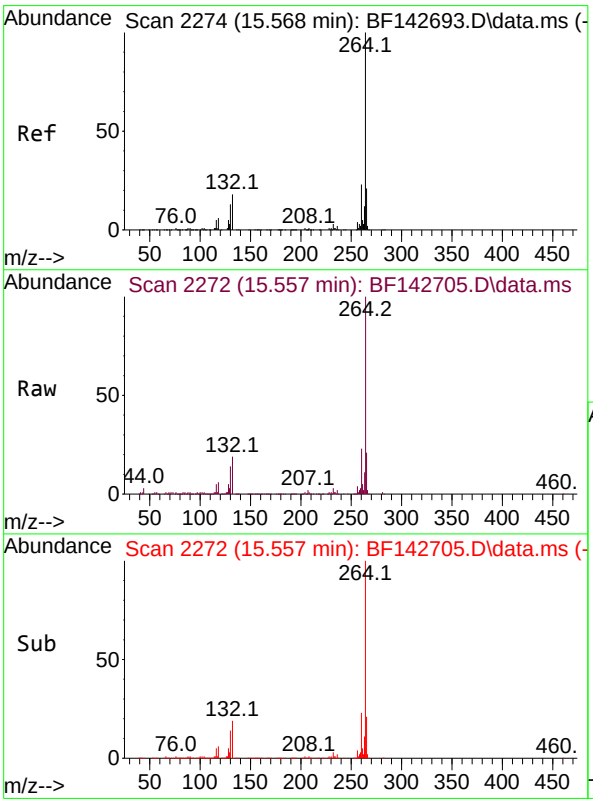
#79
Terphenyl-d14
Concen: 58.081 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:244 Resp: 616656

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	11.3	8.2	12.2

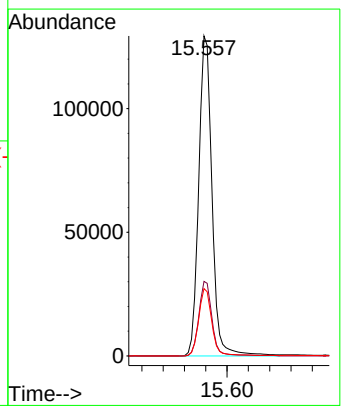




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:264 Resp: 224529

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.1	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142705.D
Acq On : 10 Jun 2025 11:42
Operator : RC/JU
Sample : Q2259-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142705.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	487	495	504	rBV	89811	134635	7.15%	1.112%
2	5.510	558	564	577	rBV	898163	1174116	62.37%	9.697%
3	6.516	729	735	756	rVB	900662	1192955	63.37%	9.852%
4	6.892	794	799	804	rBV	348816	421796	22.41%	3.483%
5	7.451	888	894	905	rBV	664279	870025	46.22%	7.185%
6	8.175	1012	1017	1025	rBV	454035	575492	30.57%	4.753%
7	9.251	1194	1200	1210	rBV	1503386	1882409	100.00%	15.546%
8	9.933	1310	1316	1326	rBV	524484	655492	34.82%	5.413%
9	10.645	1431	1437	1442	rBV	221641	272246	14.46%	2.248%
10	10.722	1445	1450	1465	rVV	833578	1066565	56.66%	8.808%
11	10.951	1485	1489	1499	rVB	35801	47155	2.51%	0.389%
12	11.422	1564	1569	1575	rBV	499598	624990	33.20%	5.162%
13	11.939	1652	1657	1662	rBV	103567	153764	8.17%	1.270%
14	12.727	1786	1791	1799	rBV	22117	39124	2.08%	0.323%
15	13.004	1833	1838	1850	rBV	1213516	1607217	85.38%	13.273%
16	13.233	1873	1877	1884	rVB	13443	20139	1.07%	0.166%
17	13.574	1930	1935	1943	rBV2	15962	25720	1.37%	0.212%
18	13.898	1985	1990	2001	rBV	78344	132911	7.06%	1.098%
19	14.063	2013	2018	2028	rBV	319621	419146	22.27%	3.462%
20	14.221	2041	2045	2053	rVB	17301	23764	1.26%	0.196%
21	14.527	2092	2097	2107	rBV2	19051	35932	1.91%	0.297%
22	14.839	2146	2150	2154	rBV	15102	20817	1.11%	0.172%
23	15.186	2205	2209	2218	rBV	18872	32092	1.70%	0.265%
24	15.557	2266	2272	2286	rBV	347282	628286	33.38%	5.189%
25	16.027	2347	2352	2357	rBV	14131	24537	1.30%	0.203%
26	16.086	2358	2362	2371	rVB6	10531	27187	1.44%	0.225%

Sum of corrected areas: 12108512

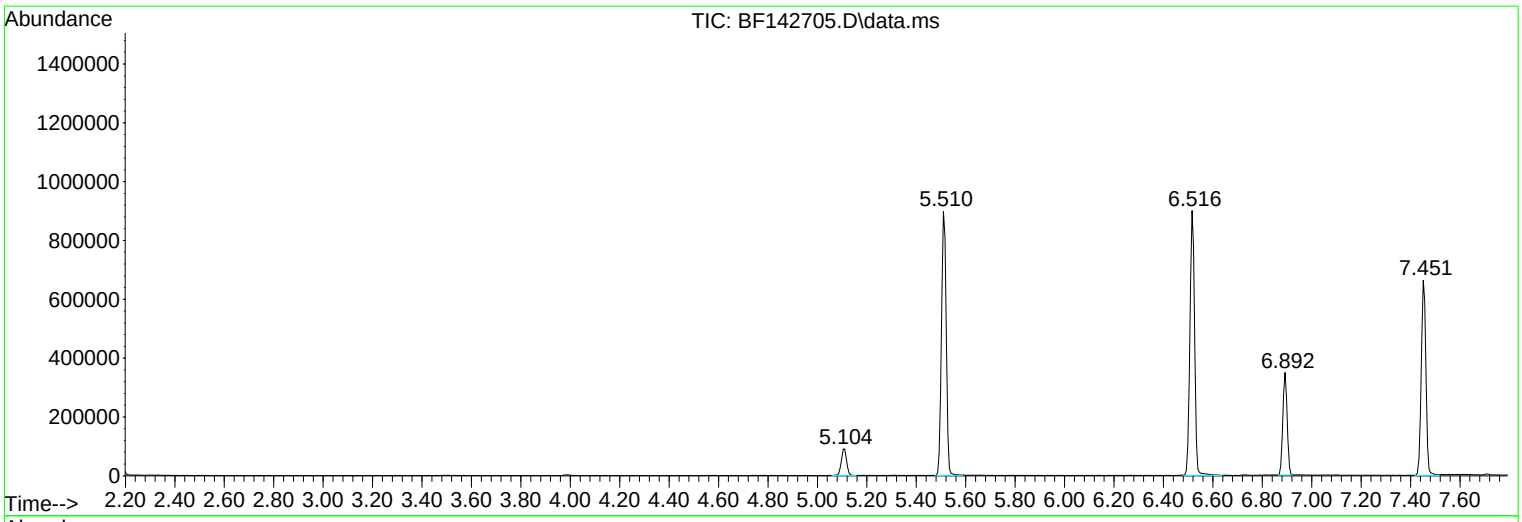
Sample Results: **BF142705.D**

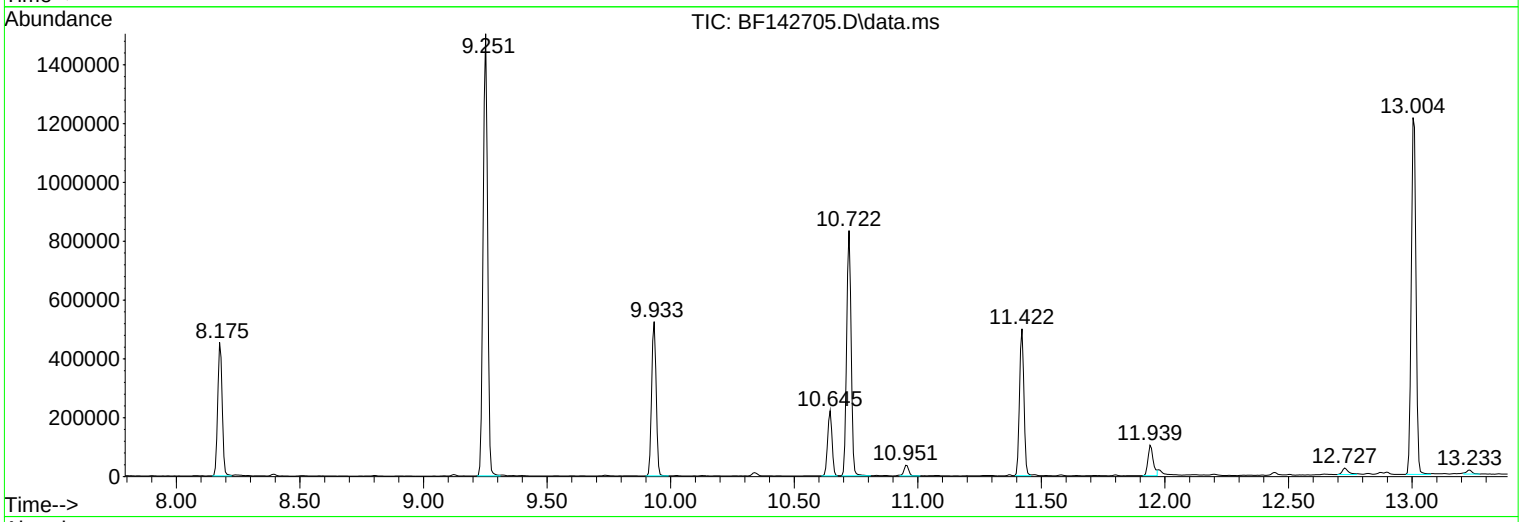
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142705.D
Acq On : 10 Jun 2025 11:42
Operator : RC/JU
Sample : Q2259-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

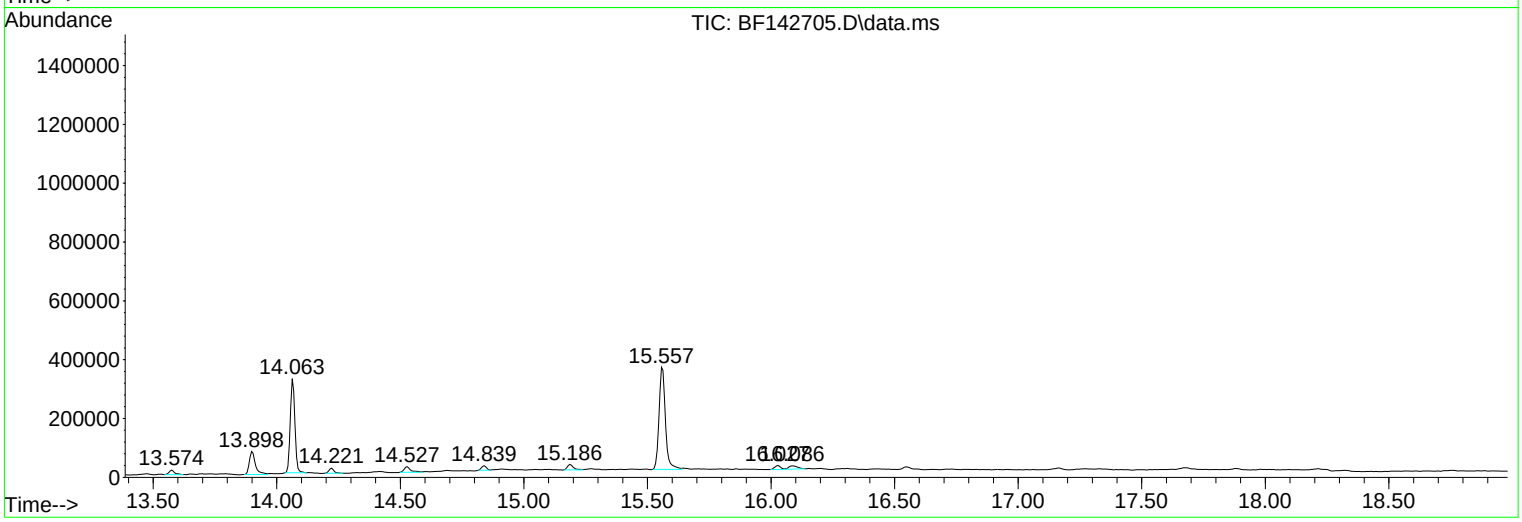
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142705.D
Acq On : 10 Jun 2025 11:42
Operator : RC/JU
Sample : Q2259-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142705.D
Acq On : 10 Jun 2025 11:42
Operator : RC/JU
Sample : Q2259-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF060925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 09 18:21:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142689.D 5 =BF142690.D 10 =BF142691.D 20 =BF142692.D 40 =BF142693.D 50 =BF142694.D 60 =BF142695.D 80 =BF1426
96.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.441	0.445	0.453	0.448	0.477	0.430	0.463	0.451	3.35
3)		Pyridine		1.116	1.110	1.219	1.154	1.217	1.130	1.197	1.163	4.06
4)		n-Nitrosodimet...			0.532	0.580	0.555	0.584	0.556	0.590	0.566	3.91
5)	S	2-Fluorophenol		1.193	1.215	1.304	1.144	1.233	1.057	1.098	1.178	7.17
6)		Aniline		1.891	1.823	1.815	1.853	1.983	1.841	1.776	1.855	3.59
7)	S	Phenol-d6		1.416	1.375	1.356	1.383	1.460	1.368	1.311	1.381	3.38
8)		2-Chlorophenol		1.343	1.288	1.267	1.251	1.343	1.283	1.220	1.285	3.54
9)		Benzaldehyde			0.908	0.898	0.820	0.825	0.703	0.518	0.779	18.93
10)	C	Phenol		1.577	1.546	1.524	1.560	1.651	1.520	1.450	1.547	3.95
11)		bis(2-Chloroet...		1.193	1.125	1.087	1.114	1.178	1.120	1.071	1.127	3.96
12)		1,3-Dichlorobe...		1.514	1.450	1.454	1.413	1.483	1.419	1.342	1.439	3.84
13)	C	1,4-Dichlorobe...		1.568	1.478	1.510	1.451	1.526	1.430	1.337	1.472	5.13
14)		1,2-Dichlorobe...		1.459	1.306	1.507	1.399	1.481	1.393	1.277	1.403	6.19
15)		Benzyl Alcohol			0.879	1.051	1.011	1.095	1.047	0.980	1.010	7.44
16)		2,2'-oxybis(1-...		1.822	1.795	2.016	1.858	1.936	1.804	1.613	1.835	6.87
17)		2-Methylphenol		0.920	0.919	1.064	0.996	1.065	1.005	0.929	0.985	6.54
18)		Hexachloroethane		0.515	0.523	0.524	0.490	0.527	0.483	0.477	0.506	4.27
19)	P	n-Nitroso-di-n...	0.737	0.777	0.842	0.923	0.825	0.838	0.767	0.770	0.810	7.33
20)		3+4-Methylphenols			1.227	1.362	1.225	1.233	1.127	1.108	1.214	7.51
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.426	0.461	0.471	0.433	0.437	0.434	0.399	0.437	5.37
23)	S	Nitrobenzene-d5		0.349	0.364	0.367	0.353	0.388	0.381	0.346	0.364	4.43
24)		Nitrobenzene		0.309	0.324	0.332	0.321	0.355	0.343	0.313	0.328	5.03
25)		Isophorone		0.621	0.611	0.552	0.559	0.584	0.632	0.573	0.590	5.29
26)	C	2-Nitrophenol		0.164	0.184	0.171	0.183	0.184	0.203	0.178	0.181	6.80
27)		2,4-Dimethylph...		0.303	0.317	0.295	0.299	0.308	0.337	0.294	0.308	4.93
28)		bis(2-Chloroet...		0.347	0.400	0.345	0.374	0.373	0.405	0.348	0.370	6.75
29)	C	2,4-Dichloroph...		0.282	0.272	0.281	0.291	0.295	0.284	0.268	0.282	3.45
30)		1,2,4-Trichlor...		0.316	0.315	0.313	0.296	0.320	0.305	0.288	0.307	3.87
31)		Naphthalene		1.064	1.003	1.008	0.971	1.005	0.953	0.894	0.986	5.40
32)		Benzoic acid			0.162	0.167	0.186	0.196	0.213	0.196	0.187	10.33
33)		4-Chloroaniline		0.417	0.410	0.413	0.404	0.421	0.397	0.374	0.405	3.96
34)	C	Hexachlorobuta...		0.195	0.195	0.196	0.183	0.195	0.187	0.173	0.189	4.52
35)		Caprolactam			0.079	0.087	0.084	0.094	0.091	0.085	0.087	6.07
36)	C	4-Chloro-3-met...		0.314	0.295	0.293	0.264	0.291	0.302	0.276	0.291	5.74
37)		2-Methylnaphth...		0.643	0.663	0.661	0.562	0.637	0.625	0.550	0.620	7.37
38)		1-Methylnaphth...		0.705	0.657	0.648	0.592	0.662	0.664	0.567	0.642	7.33

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF060925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.627	0.593	0.567	0.542	0.578	0.624	0.516	0.578	7.08
41)	P	Hexachlorocycl...		0.272	0.299	0.330	0.372	0.410	0.354	0.339	14.74
42)	S	2,4,6-Tribromo...	0.222	0.222	0.201	0.218	0.249	0.239	0.223	0.225	6.82
43)	C	2,4,6-Trichlor...	0.361	0.398	0.370	0.368	0.391	0.399	0.368	0.379	4.26
44)		2,4,5-Trichlor...	0.400	0.419	0.411	0.387	0.417	0.427	0.375	0.405	4.67
45)	S	2-Fluorobiphenyl	1.689	1.612	1.526	1.372	1.423	1.394	1.220	1.462	10.85
46)		1,1'-Biphenyl	1.692	1.651	1.559	1.509	1.530	1.578	1.368	1.555	6.74
47)		2-Chloronaphth...	1.272	1.223	1.150	1.132	1.150	1.193	1.037	1.165	6.40
48)		2-Nitroaniline	0.346	0.332	0.345	0.349	0.355	0.373	0.326	0.347	4.43
49)		Acenaphthylene	2.008	2.000	2.035	1.894	1.980	1.875	1.727	1.931	5.60
50)		Dimethylphthalate	1.458	1.375	1.317	1.293	1.355	1.389	1.232	1.346	5.44
51)		2,6-Dinitrotol...	0.298	0.264	0.290	0.278	0.305	0.324	0.279	0.291	6.86
52)	C	Acenaphthene	1.269	1.219	1.117	1.172	1.238	1.157	1.098	1.181	5.37
53)		3-Nitroaniline	0.324	0.314	0.334	0.323	0.350	0.333	0.311	0.327	4.09
54)	P	2,4-Dinitrophenol		0.116	0.131	0.162	0.193	0.182	0.182	0.161	19.29
55)		Dibenzofuran	1.892	1.790	1.556	1.643	1.804	1.664	1.515	1.695	8.17
56)	P	4-Nitrophenol		0.192	0.190	0.226	0.262	0.242	0.237	0.225	12.77
57)		2,4-Dinitrotol...	0.391	0.389	0.353	0.388	0.433	0.398	0.379	0.390	6.11
58)		Fluorene	1.415	1.486	1.218	1.293	1.475	1.356	1.240	1.355	8.03
59)		2,3,4,6-Tetrac...	0.328	0.338	0.297	0.350	0.376	0.364	0.332	0.341	7.59
60)		Diethylphthalate	1.452	1.334	1.142	1.239	1.440	1.320	1.217	1.306	8.82
61)		4-Chlorophenyl...	0.643	0.688	0.580	0.615	0.713	0.650	0.594	0.640	7.56
62)		4-Nitroaniline	0.284	0.293	0.266	0.311	0.363	0.332	0.324	0.310	10.52
63)		Azobenzene	1.187	1.215	1.044	1.094	1.333	1.203	1.116	1.170	8.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.109	0.105	0.144	0.144	0.132	0.131	0.128	13.25
66)	c	n-Nitrosodiphe...	0.618	0.680	0.595	0.676	0.713	0.635	0.603	0.646	6.93
67)		4-Bromophenyl-...	0.210	0.215	0.213	0.230	0.238	0.223	0.219	0.221	4.49
68)		Hexachlorobenzene	0.243	0.250	0.248	0.265	0.278	0.249	0.244	0.254	5.02
69)		Atrazine	0.179	0.193	0.190	0.207	0.217	0.189	0.196	0.196	6.37
70)	C	Pentachlorophenol		0.112	0.133	0.159	0.153	0.137	0.144	0.140	11.94
71)		Phenanthrene	1.173	1.115	1.118	1.032	1.085	1.017	0.944	1.069	7.18
72)		Anthracene	1.213	1.157	1.145	1.077	1.147	1.038	0.991	1.110	6.96
73)		Carbazole	1.069	1.039	0.978	1.004	1.076	0.913	0.915	0.999	6.73
74)		Di-n-butylphth...	1.147	1.012	1.130	1.141	1.130	0.907	0.958	1.061	9.43
75)	C	Fluoranthene	1.261	1.136	1.045	1.180	1.025	0.964	0.887	1.071	12.08
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.659	0.713	0.727	0.734	0.768	0.541	0.690	11.80
78)		Pyrene	1.743	1.587	1.588	1.466	1.723	1.793	1.508	1.630	7.66
79)	S	Terphenyl-d14	1.427	1.275	1.289	1.098	1.302	1.364	1.098	1.265	9.90
80)		Butylbenzylpht...	0.448	0.409	0.513	0.482	0.566	0.589	0.506	0.502	12.52
81)		Benzo(a)anthra...	1.322	1.253	1.356	1.287	1.345	1.317	1.205	1.298	4.13
82)		3,3'-Dichlorob...		0.373	0.407	0.425	0.465	0.432	0.387	0.415	7.97
83)		Chrysene	1.327	1.226	1.196	1.200	1.265	1.229	1.162	1.229	4.36
84)		Bis(2-ethylhex...	0.441	0.471	0.535	0.599	0.657	0.662	0.645	0.573	15.97
85)	c	Di-n-octyl pht...		0.847	0.952	1.094	1.160	1.405	1.229	1.114	17.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF060925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.273	1.361	1.426	1.416	1.545	1.542	1.340	1.415	7.17
88)		Benzo(b)fluora...	1.196	1.122	1.277	1.136	1.323	1.196	1.115	1.195	6.68
89)		Benzo(k)fluora...	1.396	1.063	1.092	1.185	1.086	0.992	1.057	1.124	11.82
90)	C	Benzo(a)pyrene	1.193	1.101	1.120	1.103	1.162	1.106	1.053	1.120	4.06
91)		Dibenzo(a,h)an...	0.995	1.098	1.163	1.129	1.252	1.259	1.076	1.139	8.37
92)		Benzo(g,h,i)pe...	1.068	1.099	1.149	1.145	1.414	1.299	1.080	1.179	10.95

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142689.D
Acq On : 09 Jun 2025 13:09
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 09 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

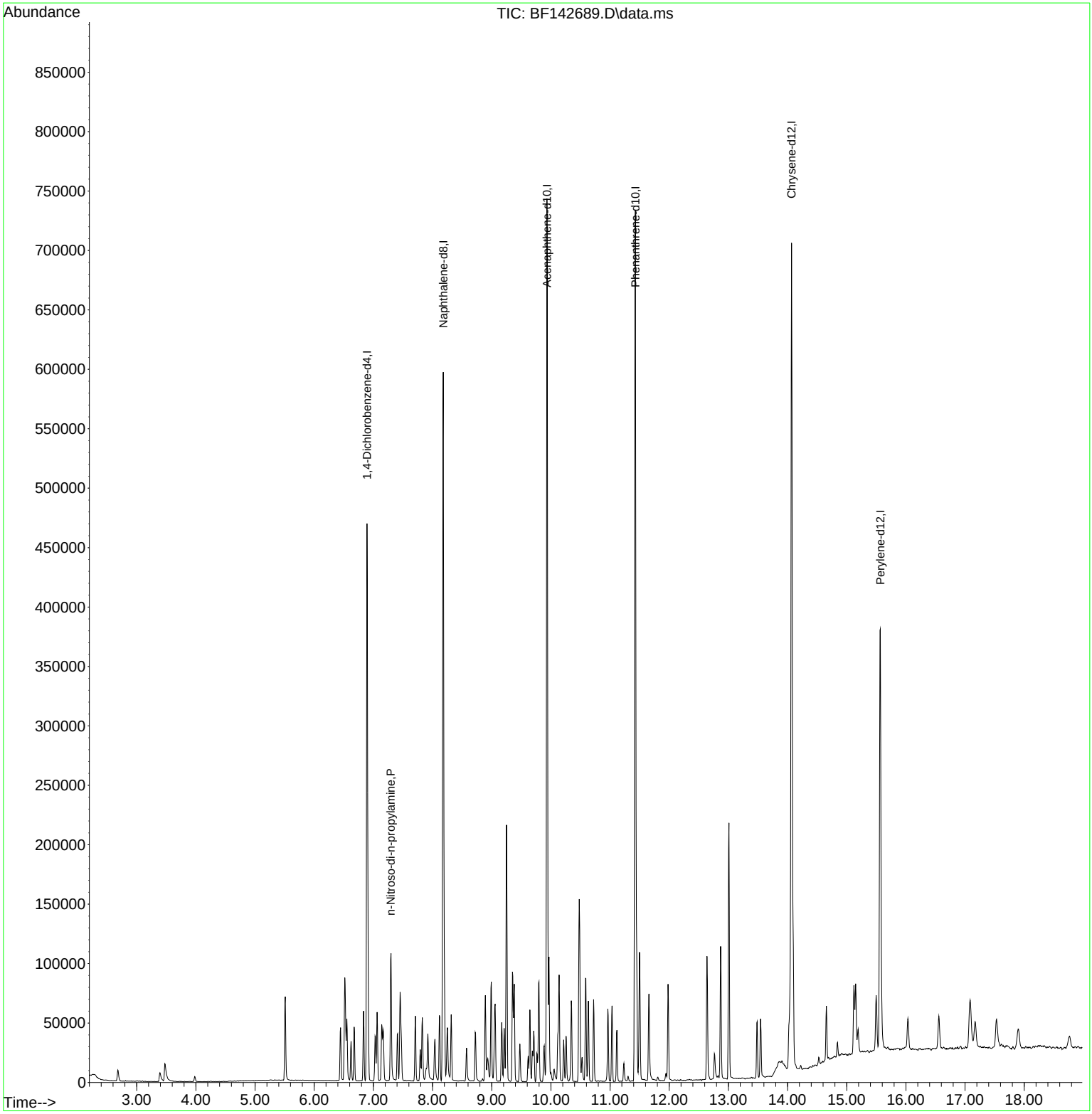
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	102047	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	386338	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	227669	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	398586	20.000	ng	0.00
76) Chrysene-d12	14.068	240	329531	20.000	ng	0.00
86) Perylene-d12	15.568	264	232542	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...	7.292	70	9398	2.275	ng	98

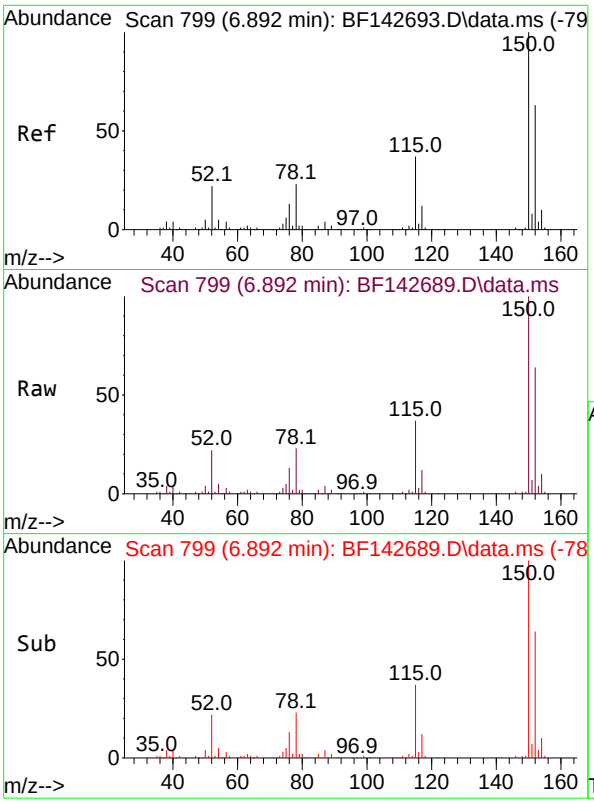
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142689.D
Acq On : 09 Jun 2025 13:09
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 09 17:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



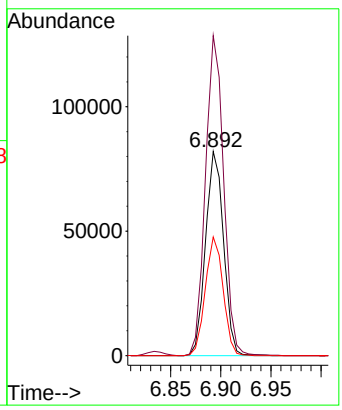


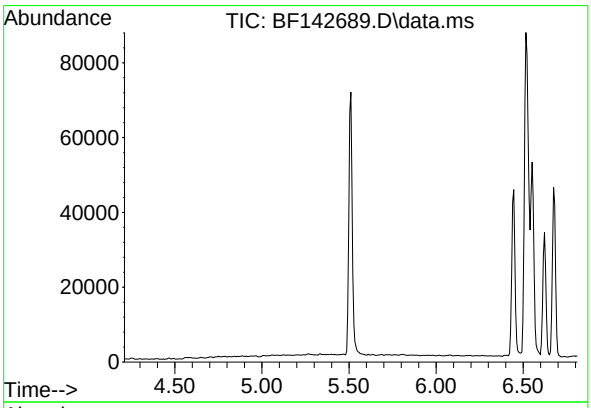
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 102047

Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.8	190.2
115	58.1	46.8	70.2



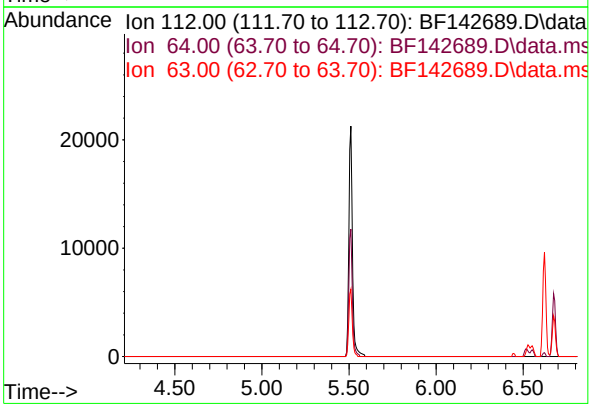


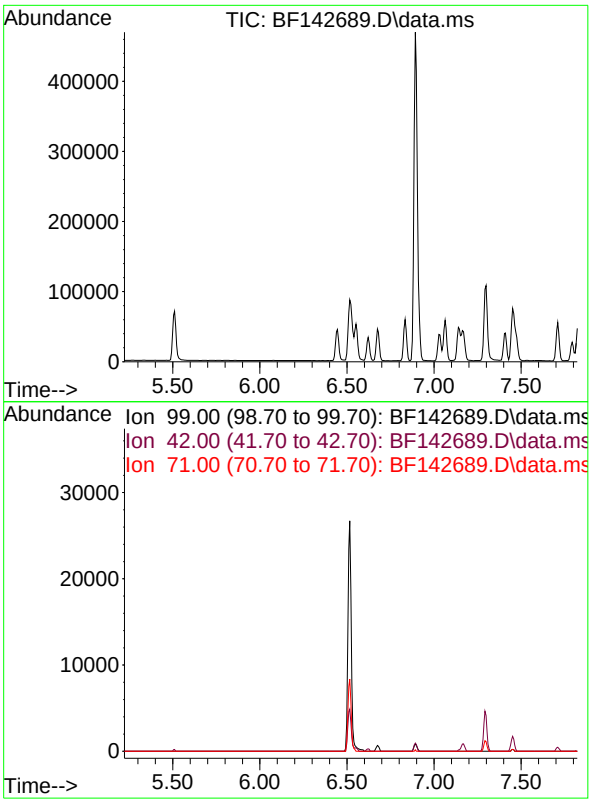
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.51 min

Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.6
63	30.4





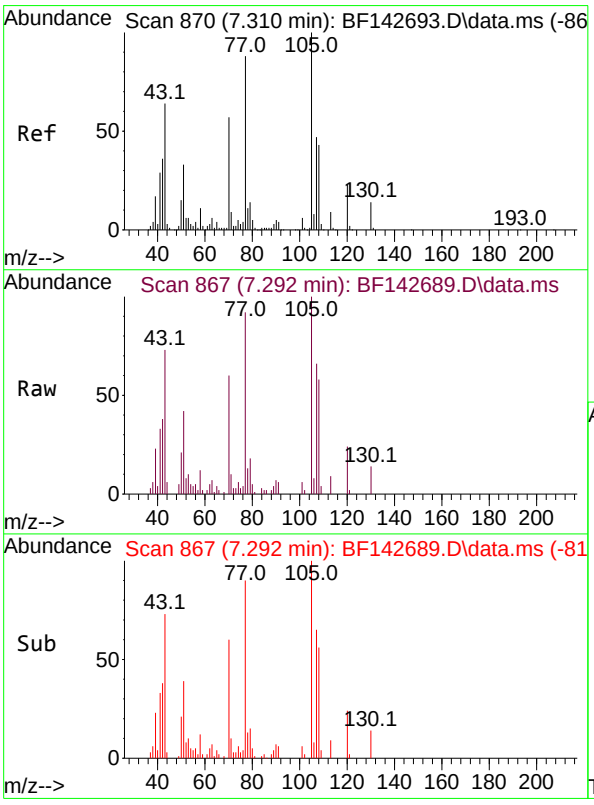
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

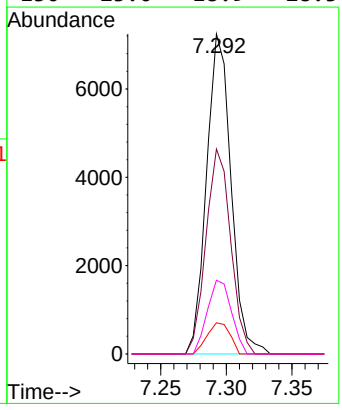
Sig	Exp Ratio
99	100
42	19.1
71	32.9

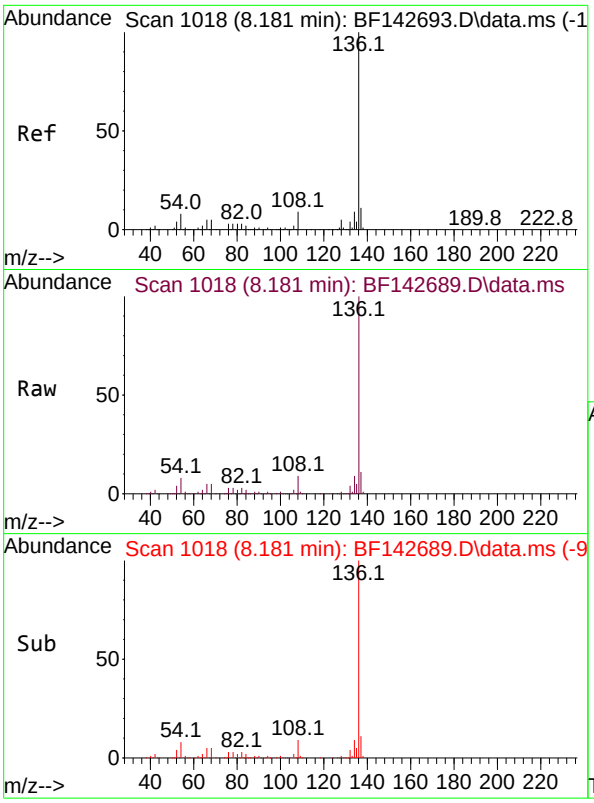


#19
n-Nitroso-di-n-propylamine
Concen: 2.275 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Tgt Ion: 70 Resp: 9398

Ion	Ratio	Lower	Upper
70	100		
42	64.1	50.1	75.1
101	9.8	8.1	12.1
130	23.0	18.9	28.3



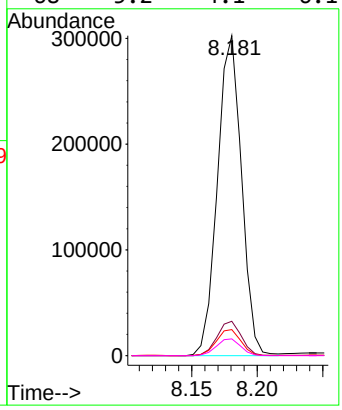


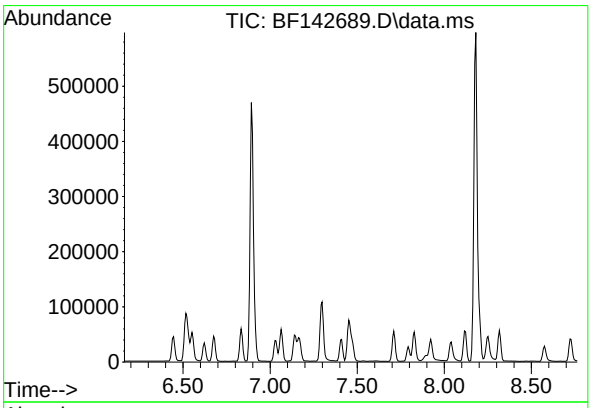
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 386338

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	6.4	9.6
68	5.2	4.1	6.1



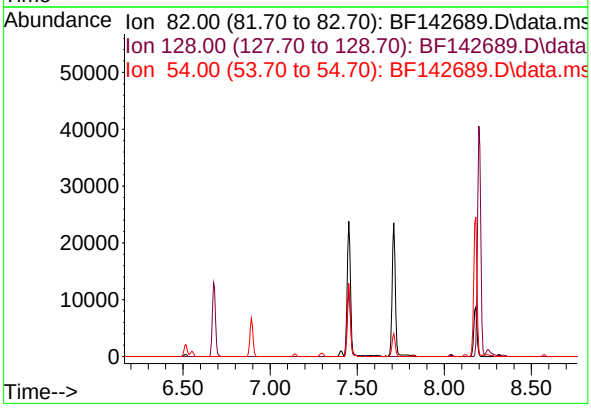


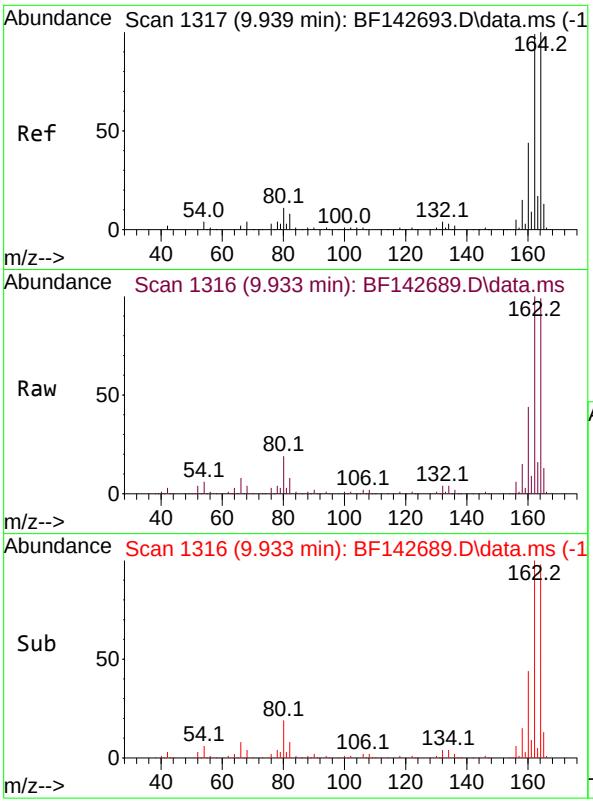
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.46 min

Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	49.1
54	55.2



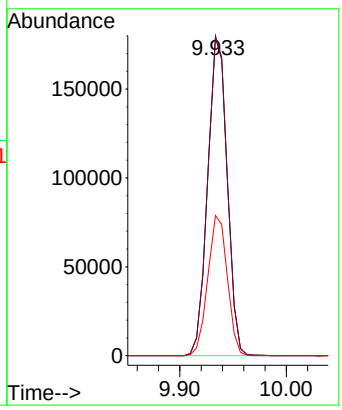


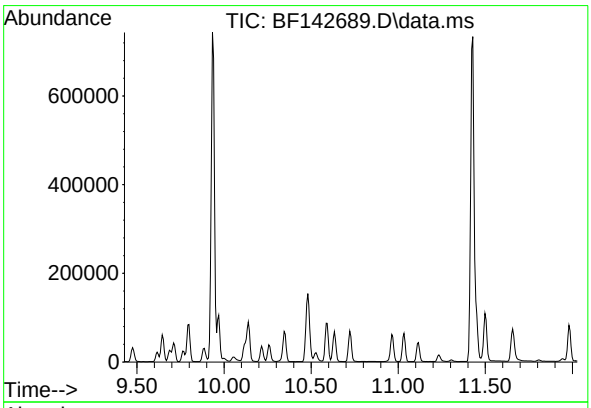
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 227669

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.1	118.7
160	44.0	35.4	53.0



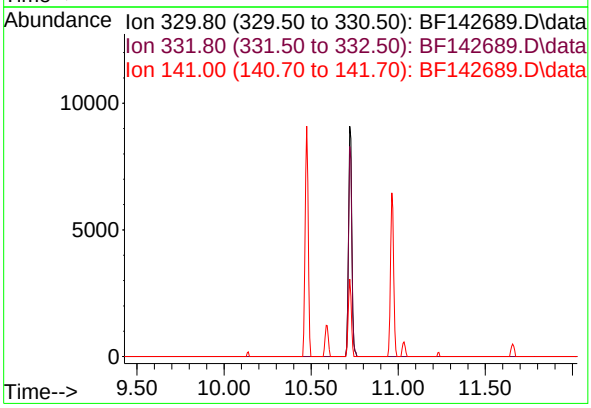


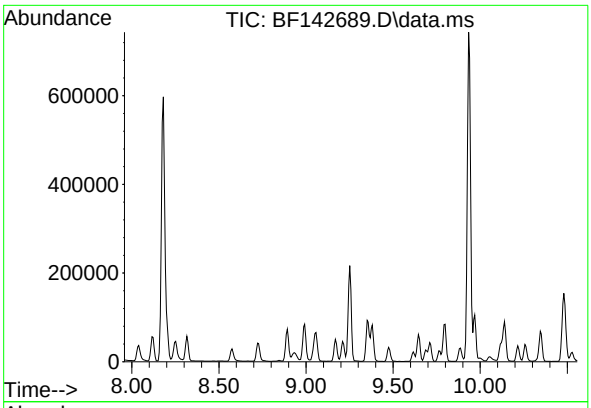
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.73 min

Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.4
141	29.4





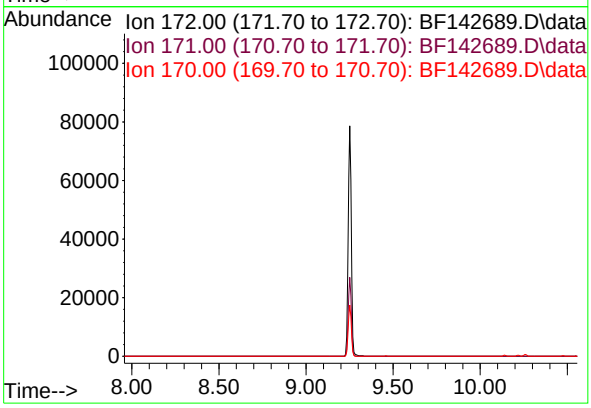
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.26 min

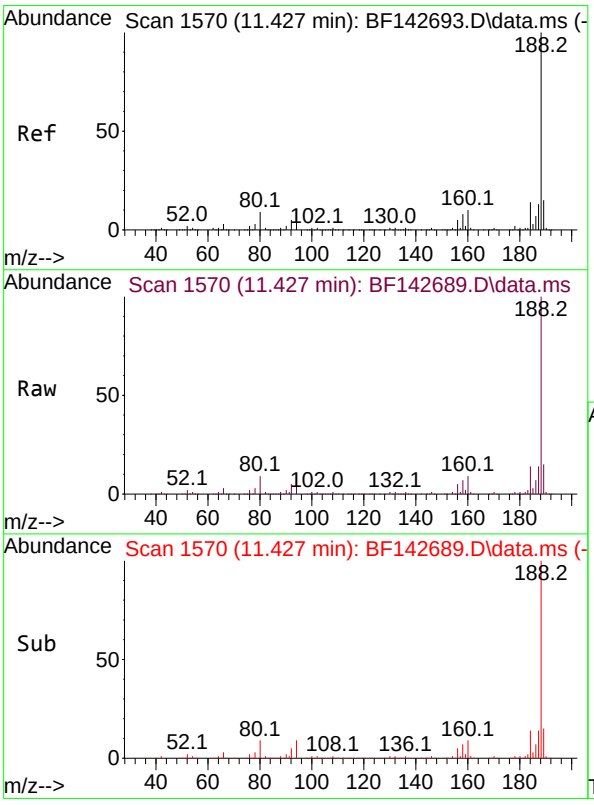
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.4
170	23.4

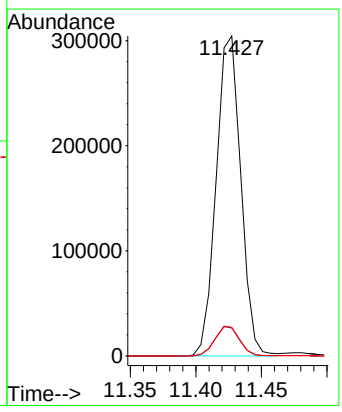


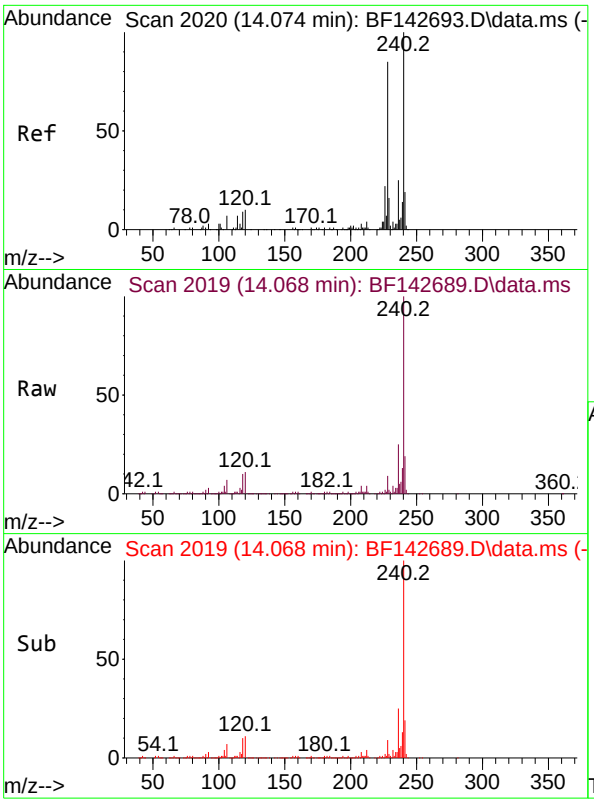


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Tgt Ion:188 Resp: 398586

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.4
80	8.9	7.2	10.8



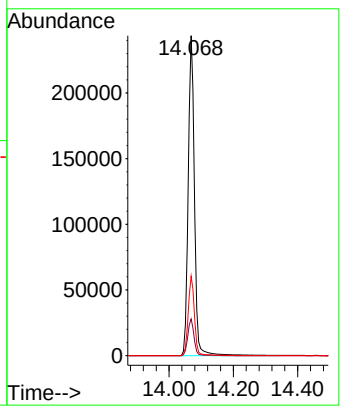


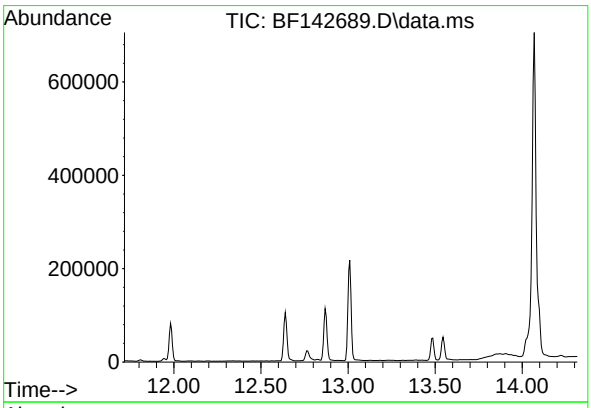
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 329531

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.4	12.6
236	24.8	20.2	30.2



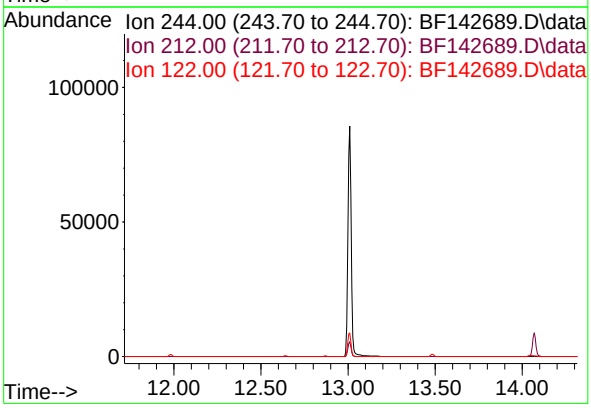


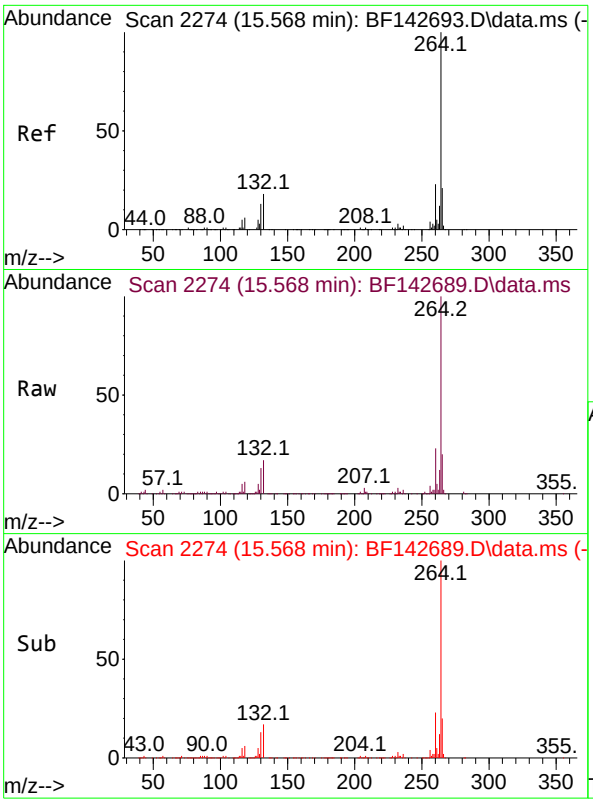
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.6
122	10.2



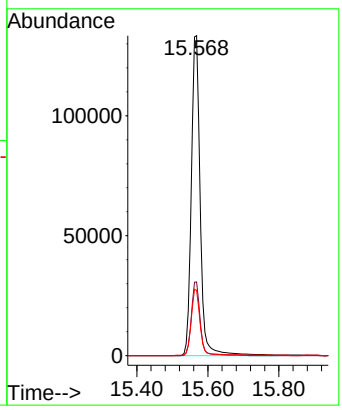


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142689.D
Acq: 09 Jun 2025 13:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 232542

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	20.4	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142690.D
Acq On : 09 Jun 2025 13:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 09 17:24:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	96691	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	363657	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	199052	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	395819	20.000	ng	0.00
76) Chrysene-d12	14.068	240	296605	20.000	ng	0.00
86) Perylene-d12	15.562	264	200570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	57683	10.129	ng	0.00
7) Phenol-d6	6.516	99	68440	10.248	ng	0.00
23) Nitrobenzene-d5	7.451	82	63402	9.581	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	22120	9.891	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	168113	11.550	ng	0.00
79) Terphenyl-d14	13.010	244	211608	11.283	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	10667	4.892	ng	99
3) Pyridine	3.469	79	26988	4.799	ng	96
6) Aniline	6.551	93	45705	5.098	ng	98
8) 2-Chlorophenol	6.675	128	32476	5.227	ng	98
10) Phenol	6.528	94	38127	5.098	ng	94
11) bis(2-Chloroethyl)ether	6.622	93	28844	5.294	ng	98
12) 1,3-Dichlorobenzene	6.833	146	36591	5.259	ng	99
13) 1,4-Dichlorobenzene	6.910	146	37909	5.328	ng	99
14) 1,2-Dichlorobenzene	7.063	146	35270	5.199	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	44043	4.965	ng	98
17) 2-Methylphenol	7.139	107	22239	4.668	ng	99
18) Hexachloroethane	7.410	117	12444	5.091	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	18775	4.796	ng	94
22) Acetophenone	7.298	105	38735	4.873	ng	98
24) Nitrobenzene	7.469	77	28076	4.705	ng	96
25) Isophorone	7.710	82	56443	5.257	ng	99
26) 2-Nitrophenol	7.792	139	14905	4.528	ng	97
27) 2,4-Dimethylphenol	7.828	122	27564	4.927	ng	99
28) bis(2-Chloroethoxy)met...	7.922	93	31531	4.683	ng	99
29) 2,4-Dichlorophenol	8.033	162	25677	5.010	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	28700	5.134	ng	97
31) Naphthalene	8.198	128	96698	5.396	ng	99
33) 4-Chloroaniline	8.251	127	37915	5.146	ng	99
34) Hexachlorobutadiene	8.316	225	17760	5.158	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	28589	5.408	ng	99
37) 2-Methylnaphthalene	8.892	142	58413	5.180	ng	100
38) 1-Methylnaphthalene	8.992	142	64138	5.493	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	31196	5.423	ng	98
43) 2,4,6-Trichlorophenol	9.169	196	17945	4.754	ng	99
44) 2,4,5-Trichlorophenol	9.210	196	19913	4.939	ng	98
46) 1,1'-Biphenyl	9.351	154	84182	5.439	ng	100
47) 2-Chloronaphthalene	9.380	162	63280	5.456	ng	98
48) 2-Nitroaniline	9.475	65	17236	4.994	ng	96
49) Acenaphthylene	9.798	152	99907	5.198	ng	99
50) Dimethylphthalate	9.645	163	72571	5.419	ng	100
51) 2,6-Dinitrotoluene	9.710	165	14814	5.113	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142690.D
Acq On : 09 Jun 2025 13:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 09 17:24:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

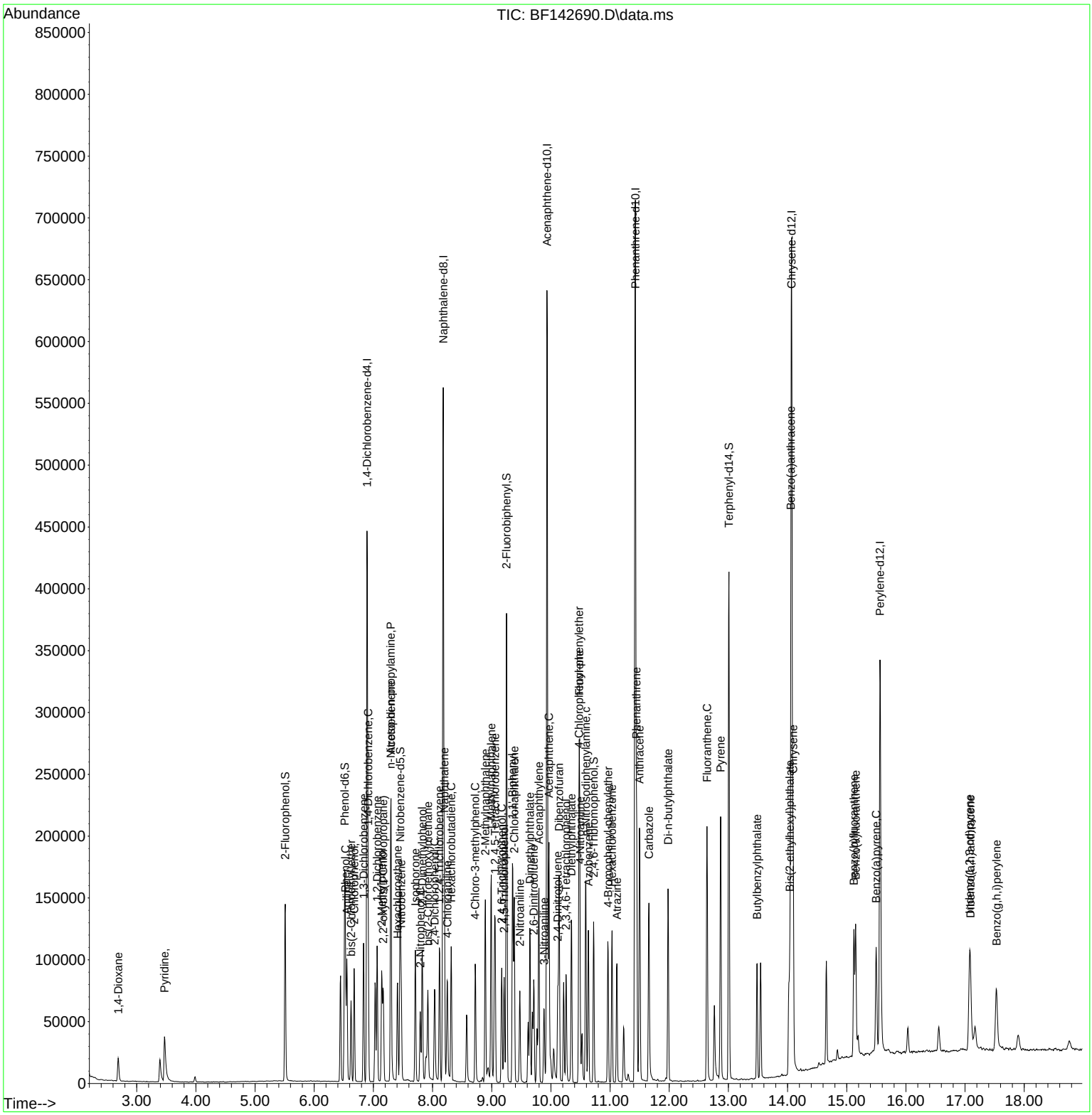
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.969	154	63154	5.371	ng	99
53) 3-Nitroaniline	9.886	138	16123	4.953	ng	98
55) Dibenzofuran	10.139	168	94164	5.582	ng	100
57) 2,4-Dinitrotoluene	10.116	165	19477	5.016	ng	98
58) Fluorene	10.480	166	70429	5.224	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.257	232	16332	4.814	ng	95
60) Diethylphthalate	10.345	149	72244	5.557	ng	98
61) 4-Chlorophenyl-phenyle...	10.474	204	31976	5.016	ng	95
62) 4-Nitroaniline	10.492	138	14112	4.570	ng	97
63) Azobenzene	10.633	77	59054	5.071	ng	98
66) n-Nitrosodiphenylamine	10.592	169	61123	4.783	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	20773	4.748	ng	97
68) Hexachlorobenzene	11.033	284	24093	4.793	ng	99
69) Atrazine	11.116	200	17711	4.570	ng	97
71) Phenanthrene	11.445	178	116113	5.487	ng	99
72) Anthracene	11.498	178	119993	5.464	ng	99
73) Carbazole	11.657	167	105765	5.349	ng	98
74) Di-n-butylphthalate	11.980	149	113548	5.409	ng	99
75) Fluoranthene	12.639	202	124816	5.887	ng	100
78) Pyrene	12.868	202	129253	5.348	ng	100
80) Butylbenzylphthalate	13.486	149	33207	4.462	ng	97
81) Benzo(a)anthracene	14.057	228	98046	5.093	ng	99
83) Chrysene	14.092	228	98383	5.396	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	32669	3.844	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	63824	4.499	ng	98
88) Benzo(b)fluoranthene	15.121	252	59968	5.004	ng	99
89) Benzo(k)fluoranthene	15.151	252	70016	6.209	ng	98
90) Benzo(a)pyrene	15.498	252	59831	5.328	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	49885	4.368	ng	97
92) Benzo(g,h,i)perylene	17.533	276	53563	4.529	ng	99

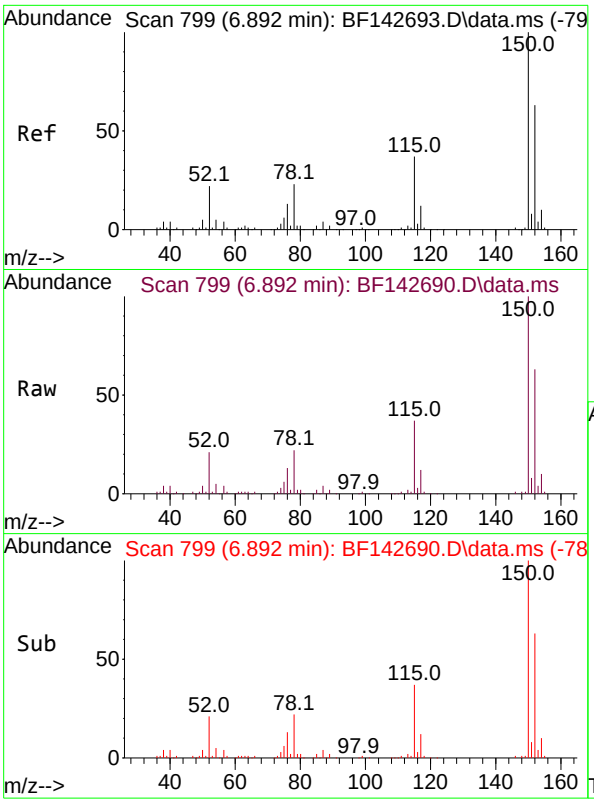
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142690.D
Acq On : 09 Jun 2025 13:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 09 17:24:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



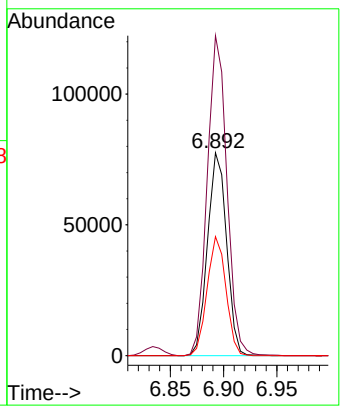


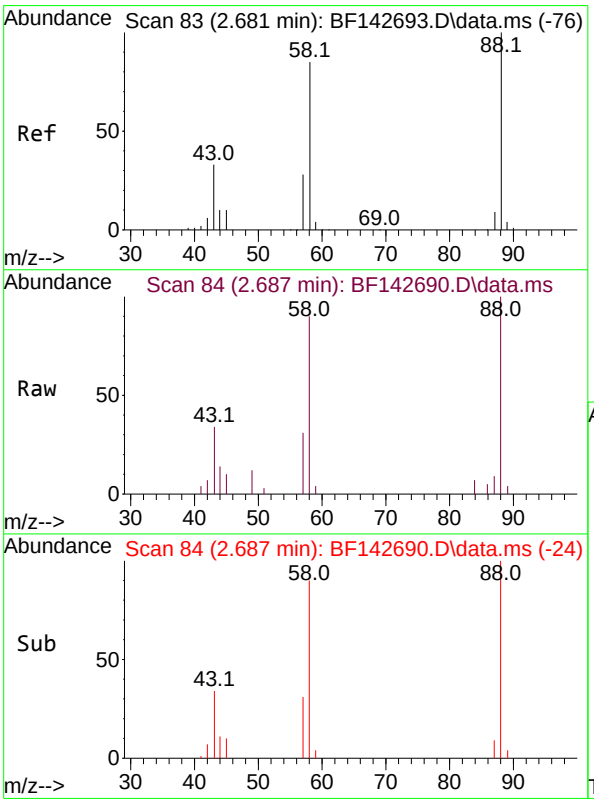
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 96691

Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.8	190.2
115	58.7	46.8	70.2

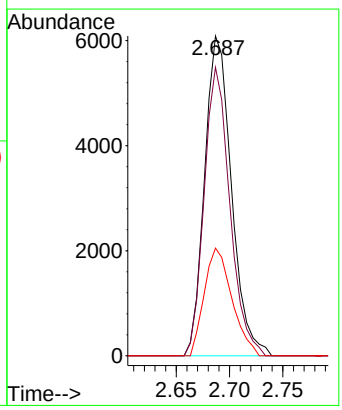


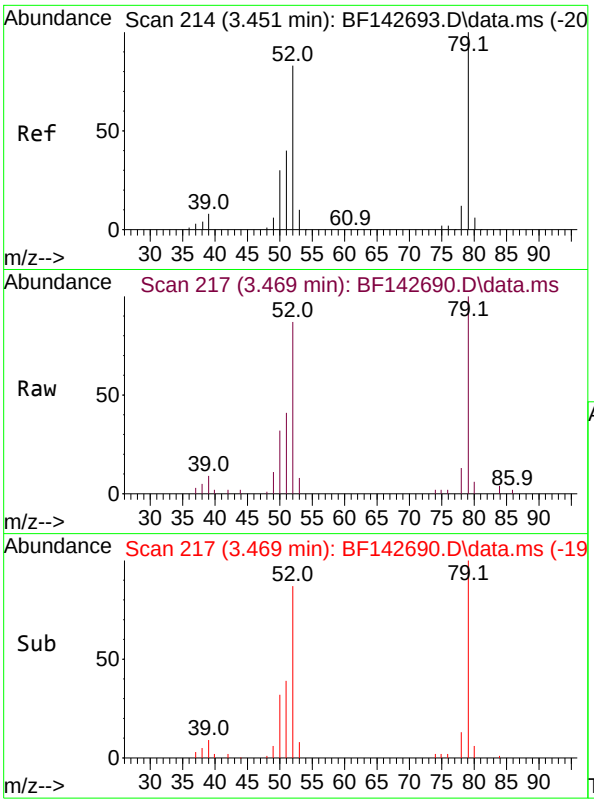


#2
1,4-Dioxane
Concen: 4.892 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 88 Resp: 10667

Ion	Ratio	Lower	Upper
88	100		
58	86.2	69.2	103.8
43	34.7	26.3	39.5



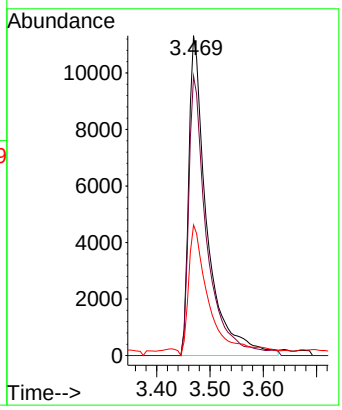


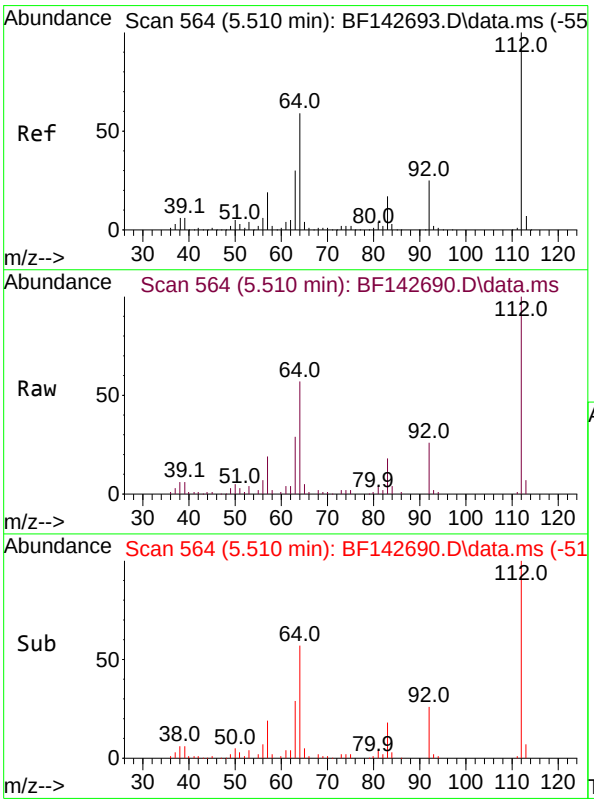
#3
Pyridine
Concen: 4.799 ng
RT: 3.469 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 26988

Ion	Ratio	Lower	Upper
79	100		
52	87.3	66.6	99.8
51	40.8	31.7	47.5

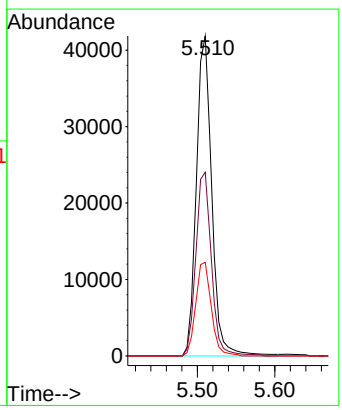


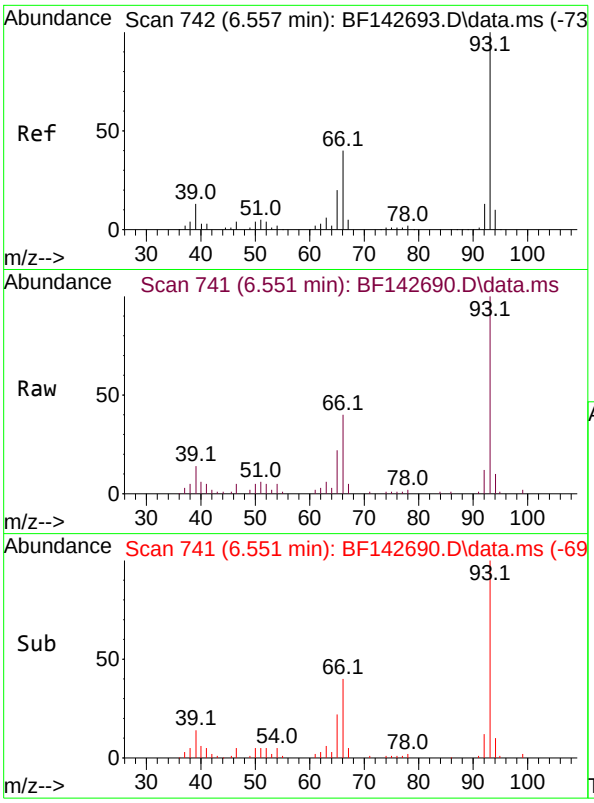


#5
2-Fluorophenol
Concen: 10.129 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:112 Resp: 57683

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.9	70.3
63	29.2	24.3	36.5



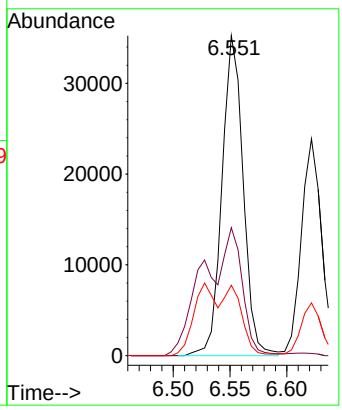


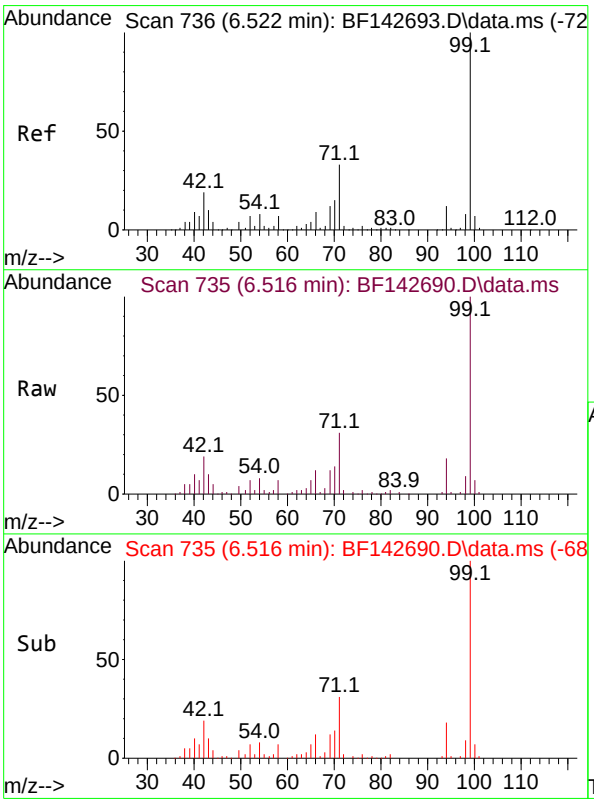
#6
Aniline
Concen: 5.098 ng
RT: 6.551 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 45705

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.8	49.2
65	22.0	16.4	24.6

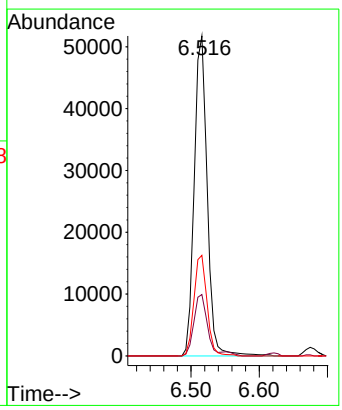


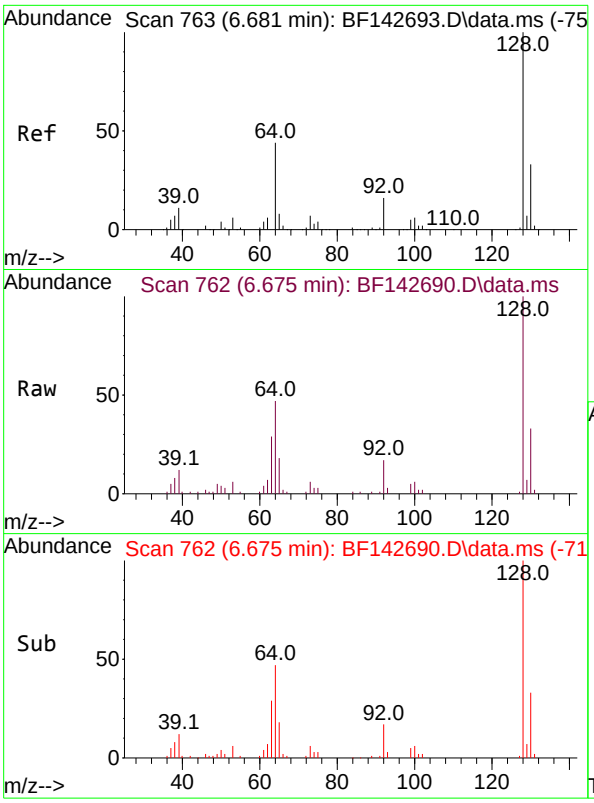


#7
Phenol-d6
Concen: 10.248 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 99 Resp: 68440

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	31.4	26.3	39.5



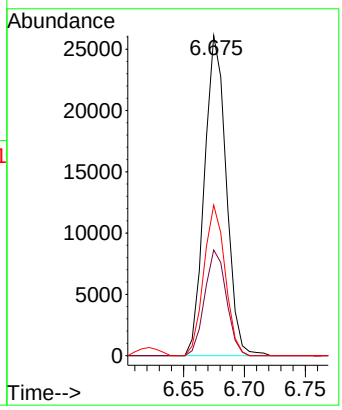


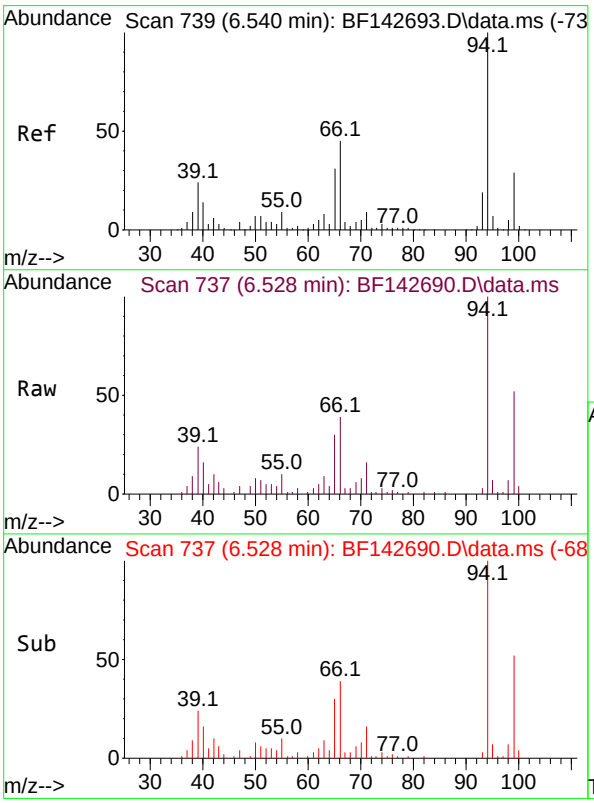
#8
2-Chlorophenol
Concen: 5.227 ng
RT: 6.675 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 32476

Ion	Ratio	Lower	Upper
128	100		
130	33.0	13.3	53.3
64	47.0	25.4	65.4

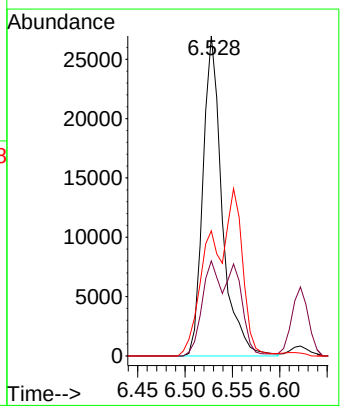


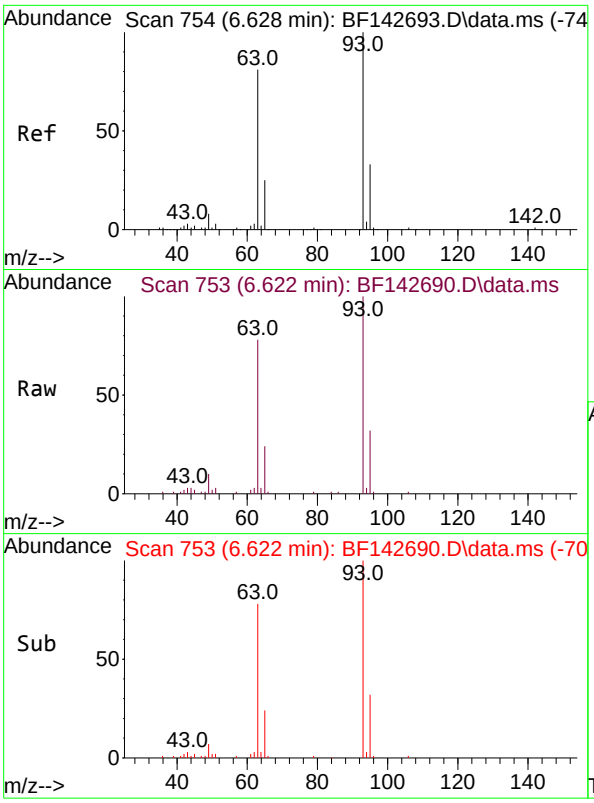


#10
Phenol
Concen: 5.098 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 94 Resp: 38127

Ion	Ratio	Lower	Upper
94	100		
65	29.7	11.0	51.0
66	39.1	24.9	64.9



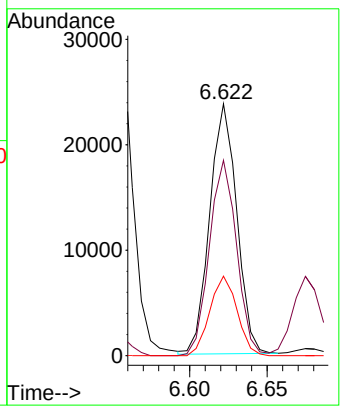


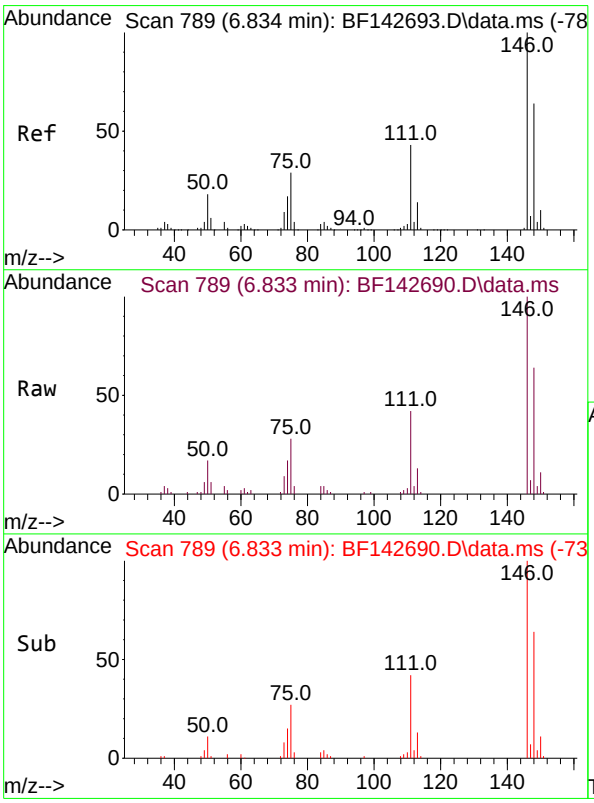
#11
bis(2-Chloroethyl)ether
Concen: 5.294 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 28844

Ion	Ratio	Lower	Upper
93	100		
63	77.6	60.0	100.0
95	31.6	12.2	52.2

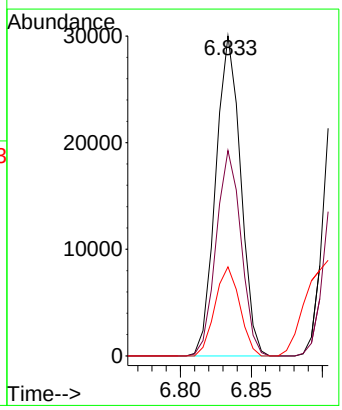


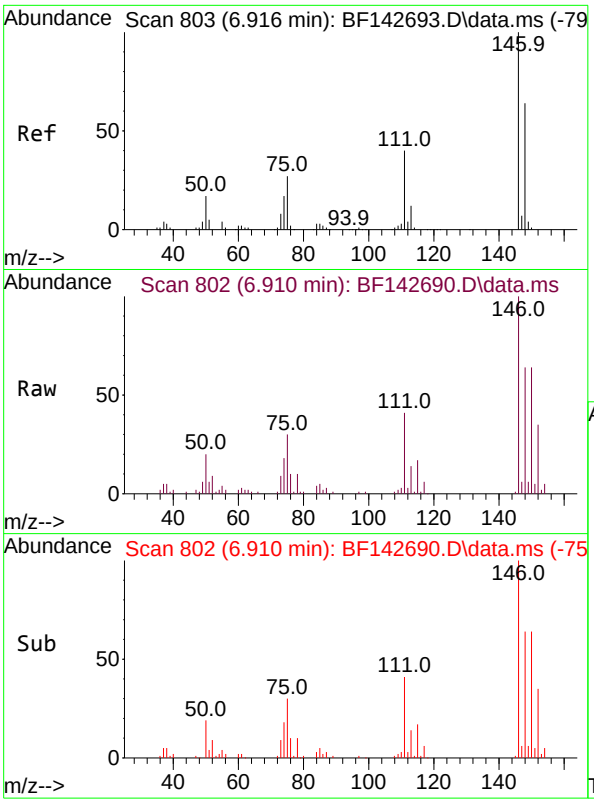


#12
1,3-Dichlorobenzene
Concen: 5.259 ng
RT: 6.833 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:146 Resp: 36591

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	27.8	23.1	34.7



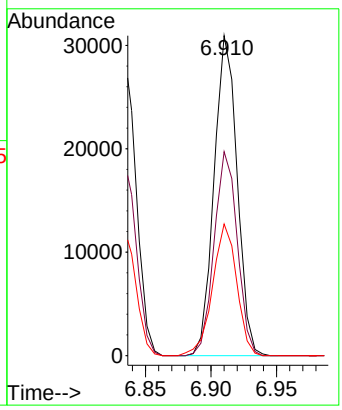


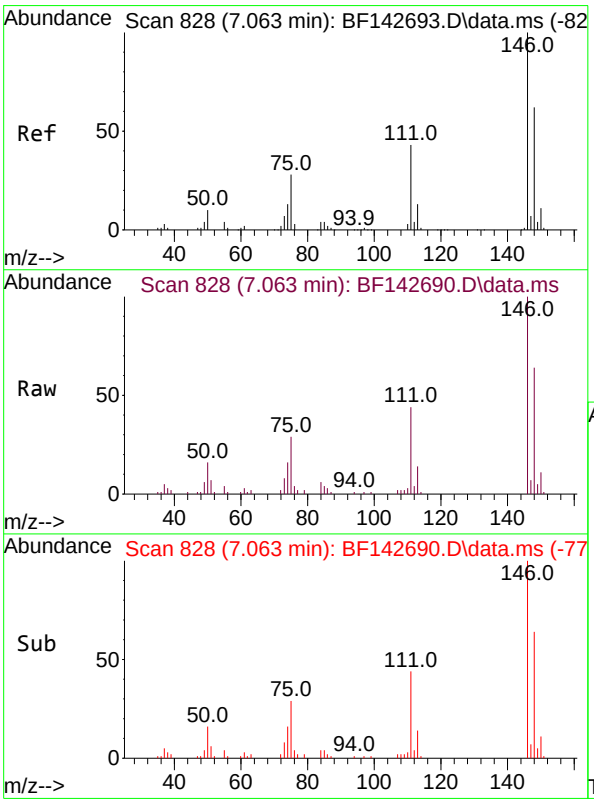
#13
1,4-Dichlorobenzene
Concen: 5.328 ng
RT: 6.910 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 37909

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	41.1	31.8	47.8

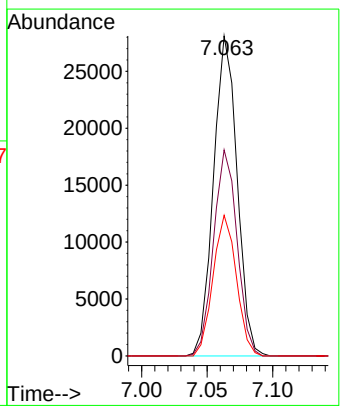


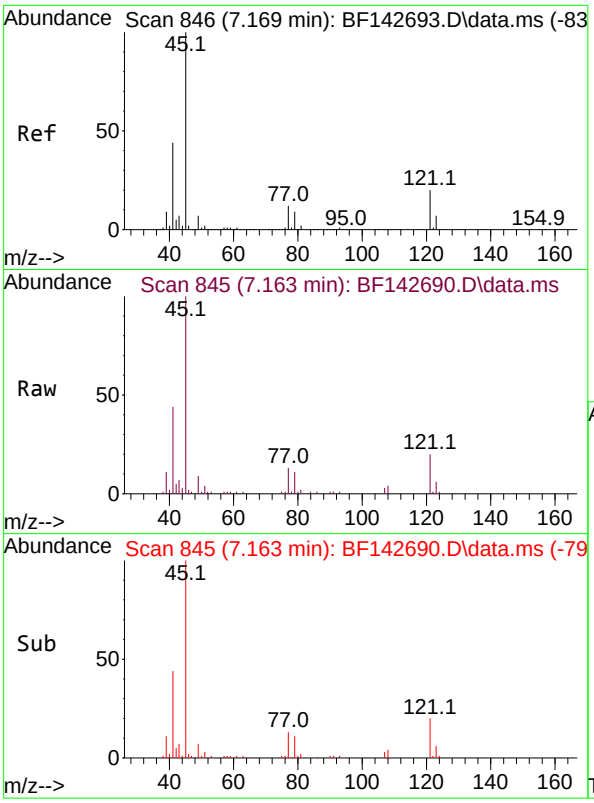


#14
1,2-Dichlorobenzene
Concen: 5.199 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:146 Resp: 35270

Ion	Ratio	Lower	Upper
146	100		
148	64.4	49.3	73.9
111	43.9	34.1	51.1



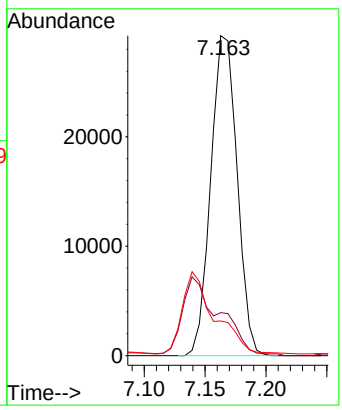


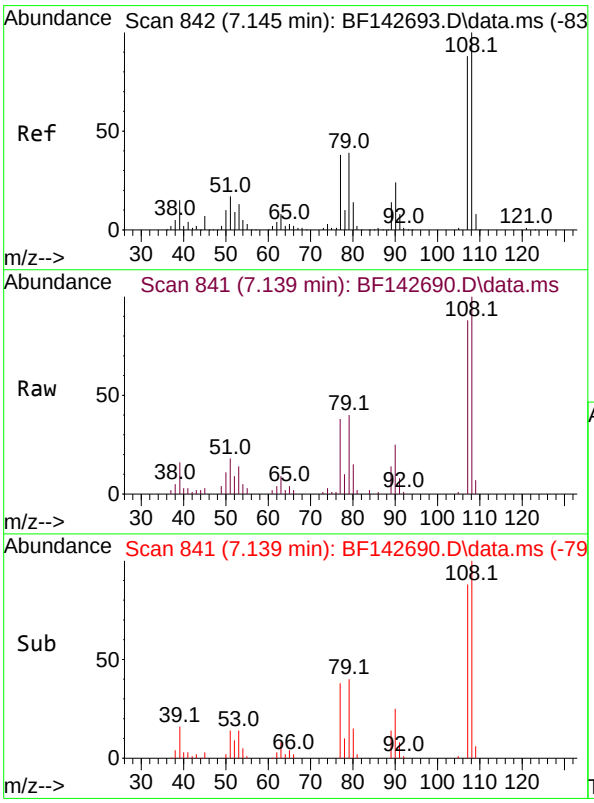
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.965 ng
RT: 7.163 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 44043

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	32.8
79	10.8	0.0	30.3

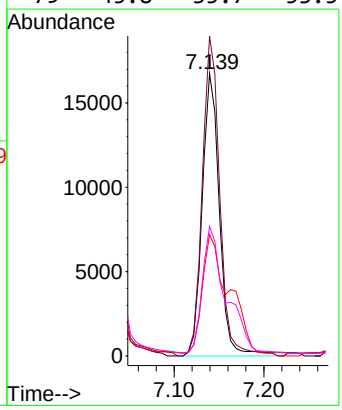


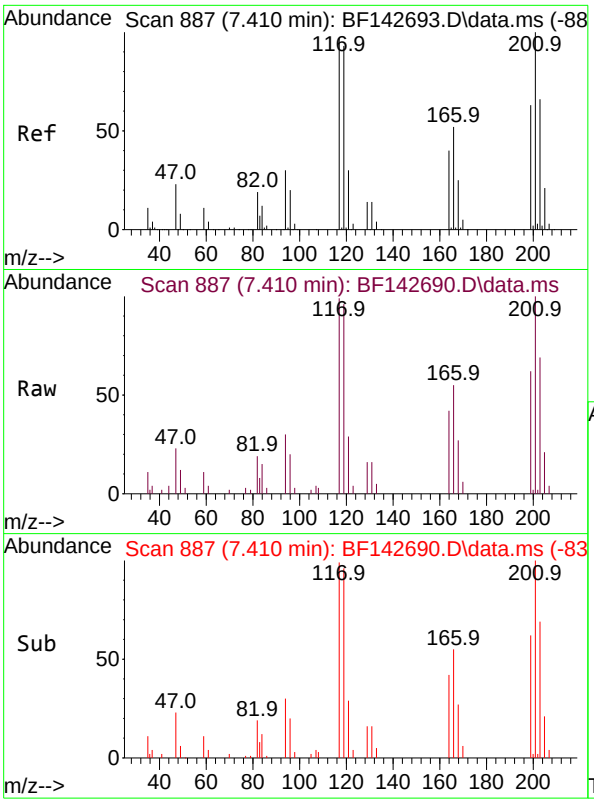


#17
2-Methylphenol
Concen: 4.668 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:107 Resp: 22239

Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.0	136.4
77	43.0	34.9	52.3
79	45.8	35.7	53.5



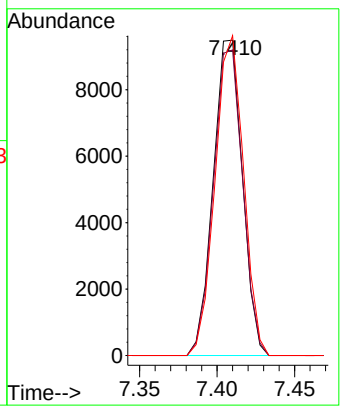


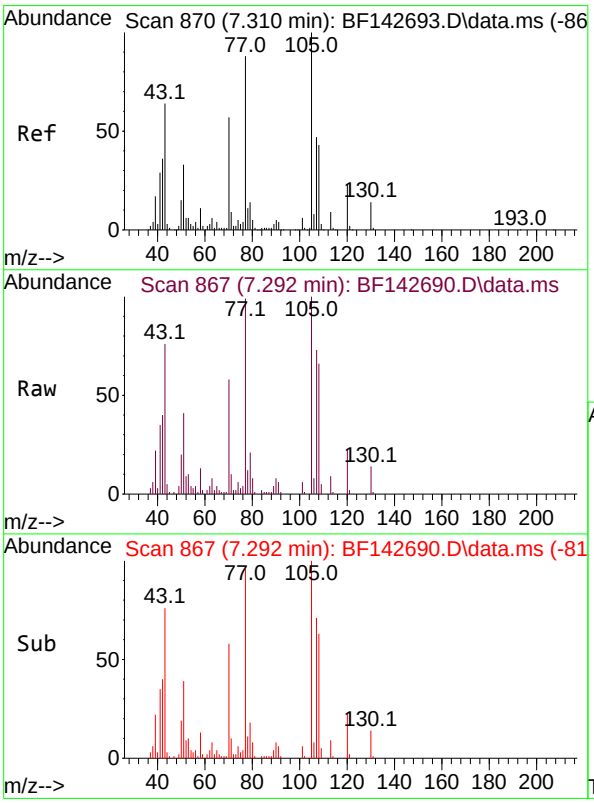
#18
Hexachloroethane
Concen: 5.091 ng
RT: 7.410 min Scan# 88
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 12444

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.1	115.7
201	101.4	82.6	123.8

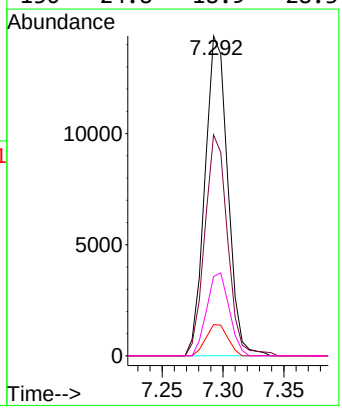


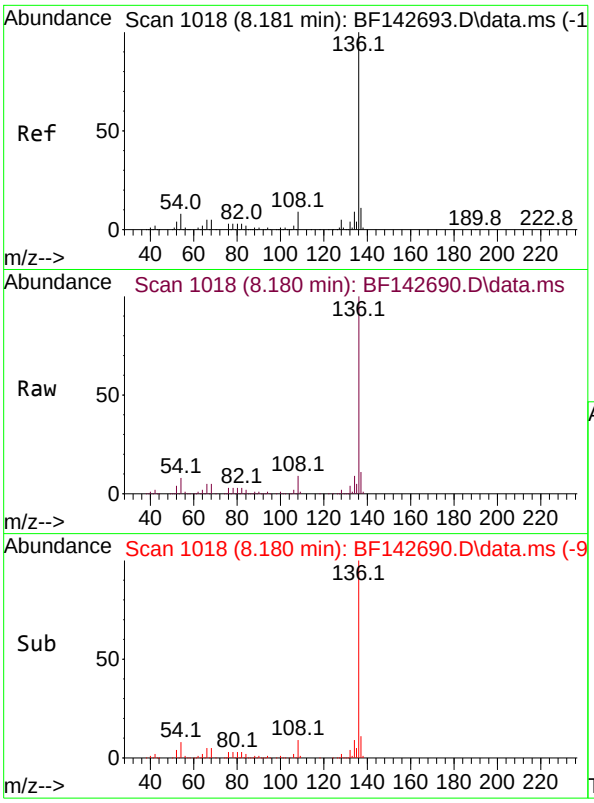


#19
n-Nitroso-di-n-propylamine
Concen: 4.796 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.018 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 70 Resp: 18775

Ion	Ratio	Lower	Upper
70	100		
42	69.1	50.1	75.1
101	9.8	8.1	12.1
130	24.8	18.9	28.3



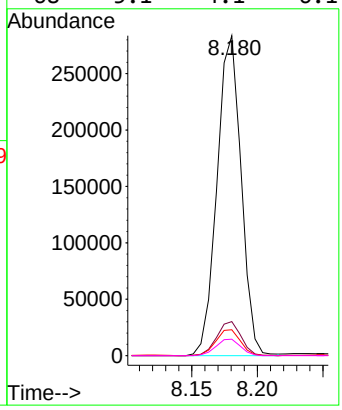


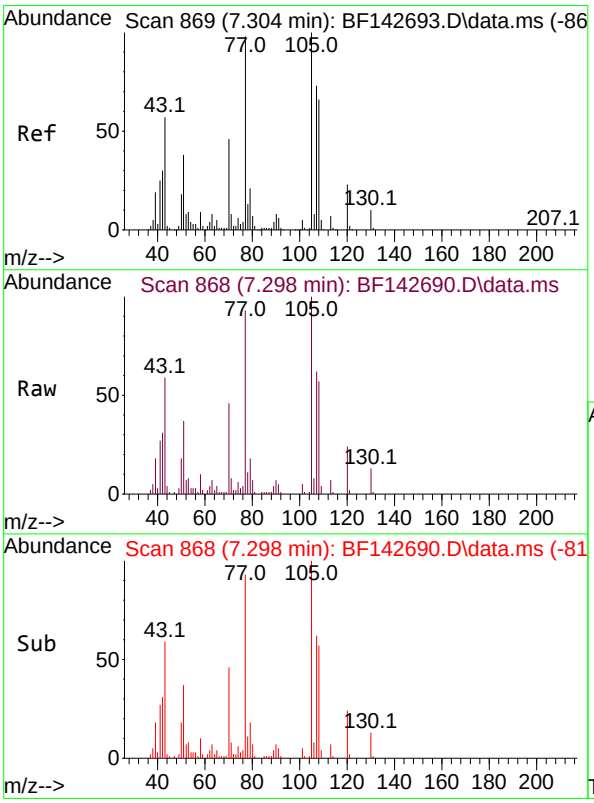
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 363657

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	8.1	6.4	9.6
68	5.1	4.1	6.1

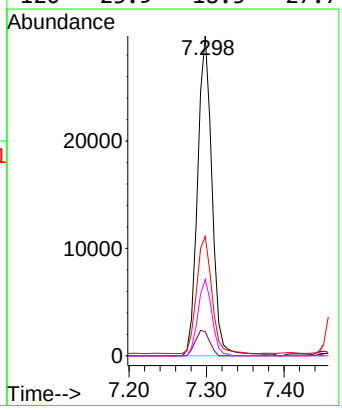


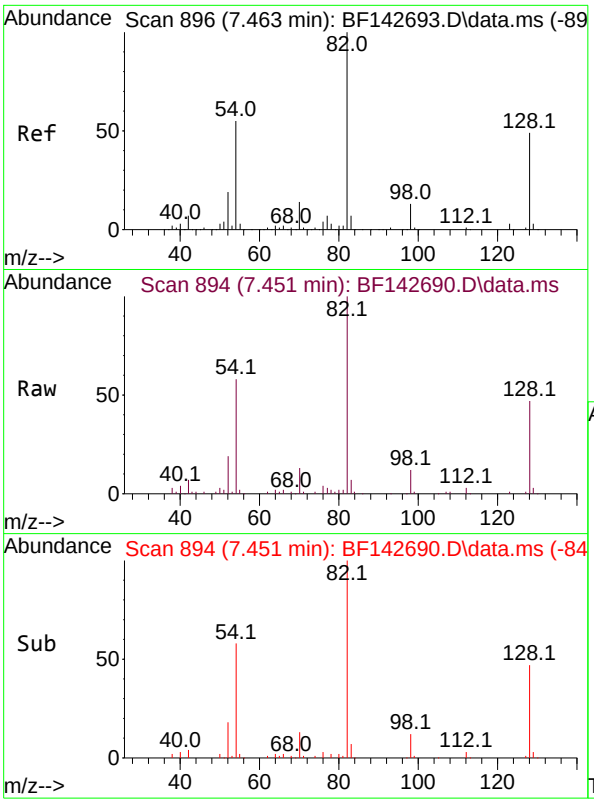


#22
Acetophenone
Concen: 4.873 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:105 Resp: 38735

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.2	9.2
51	37.3	30.8	46.2
120	23.9	18.5	27.7



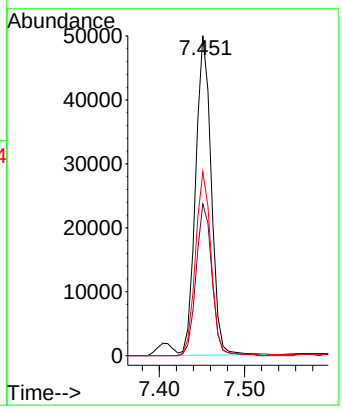


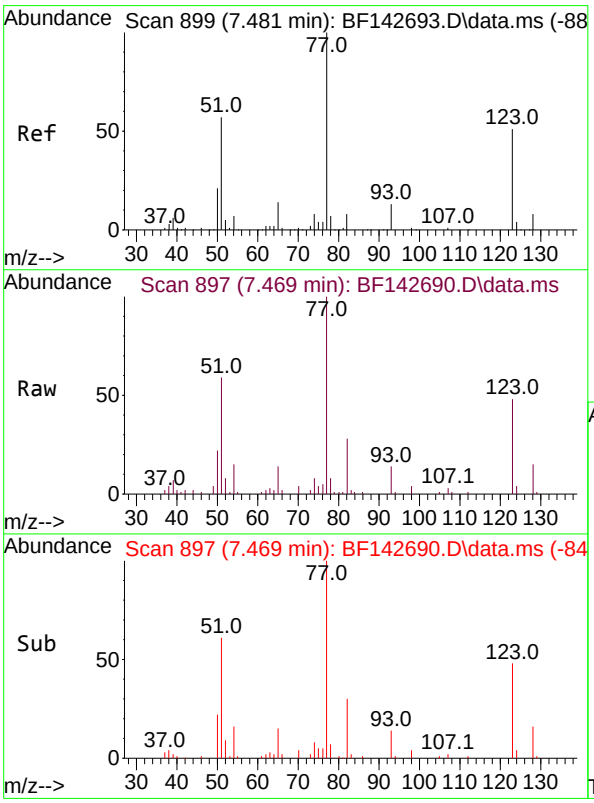
#23
Nitrobenzene-d5
Concen: 9.581 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 63402

Ion	Ratio	Lower	Upper
82	100		
128	47.4	39.3	58.9
54	57.5	44.2	66.2

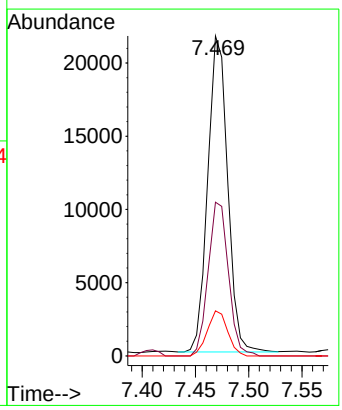


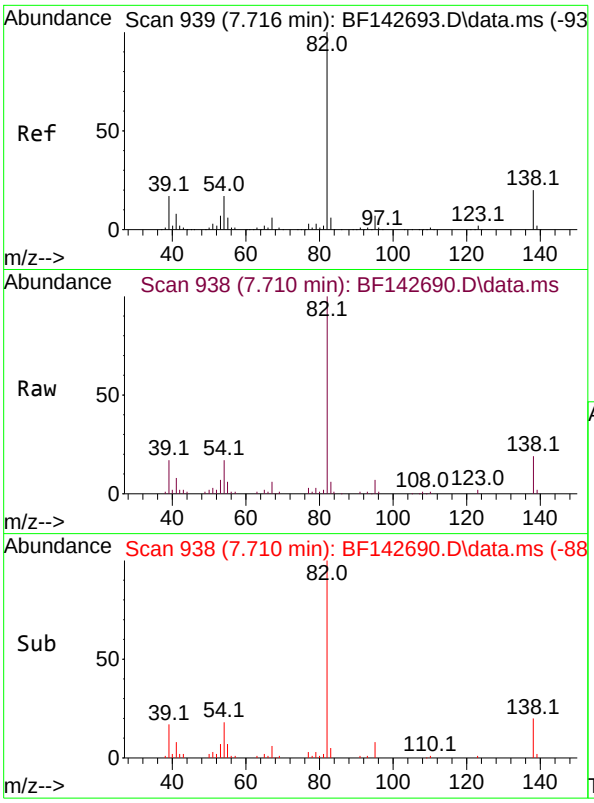


#24
Nitrobenzene
Concen: 4.705 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 77 Resp: 28076

Ion	Ratio	Lower	Upper
77	100		
123	48.0	41.3	61.9
65	14.1	11.2	16.8



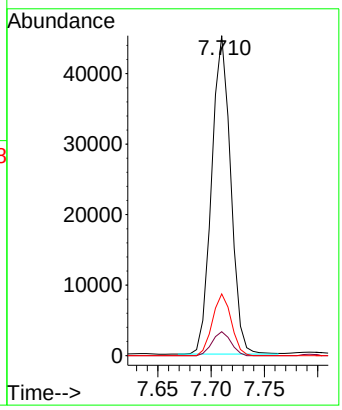


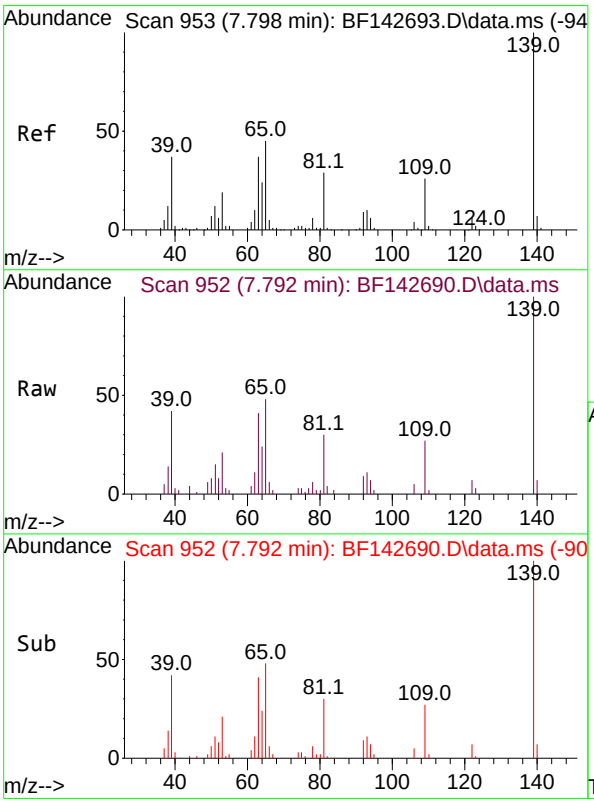
#25
Isophorone
Concen: 5.257 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 56443

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	19.3	16.1	24.1

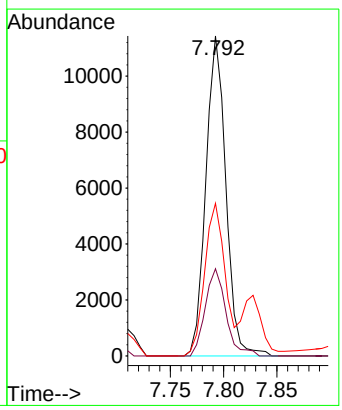


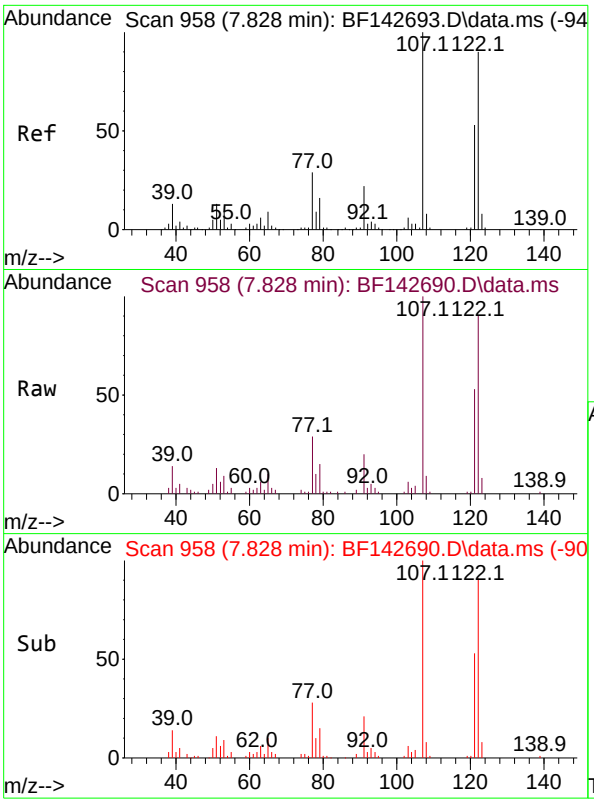


#26
2-Nitrophenol
Concen: 4.528 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:139 Resp: 14905

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.0	31.6
65	47.7	36.2	54.2



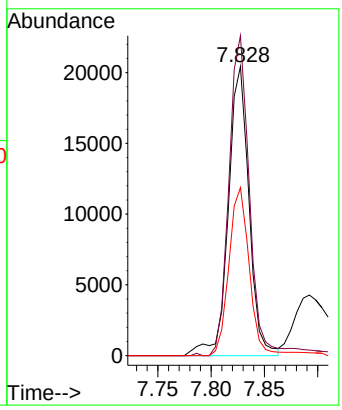


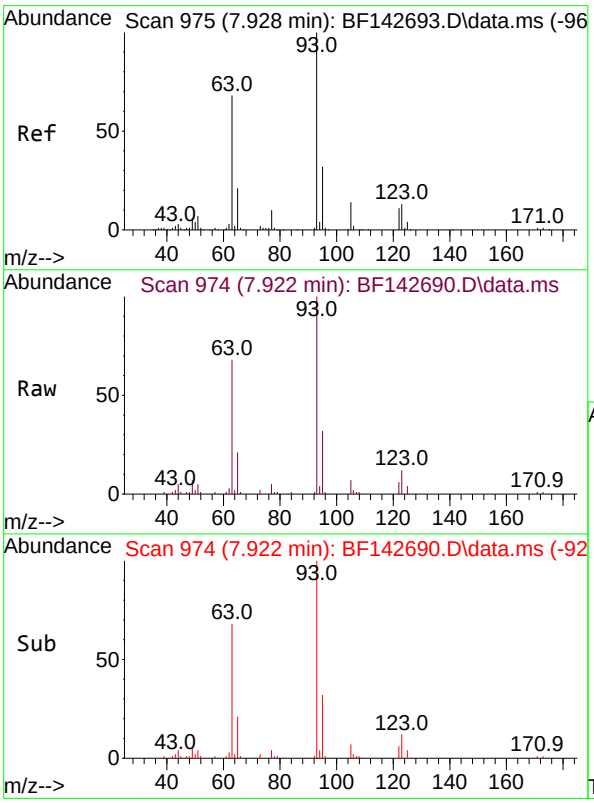
#27
2,4-Dimethylphenol
Concen: 4.927 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 27564

Ion	Ratio	Lower	Upper
122	100		
107	110.6	89.4	134.2
121	58.1	47.1	70.7

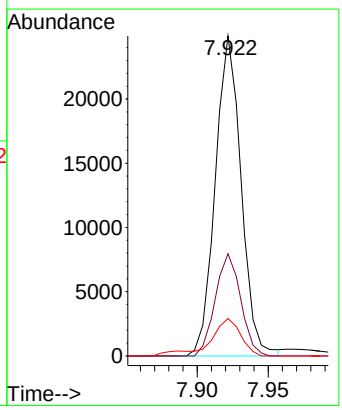


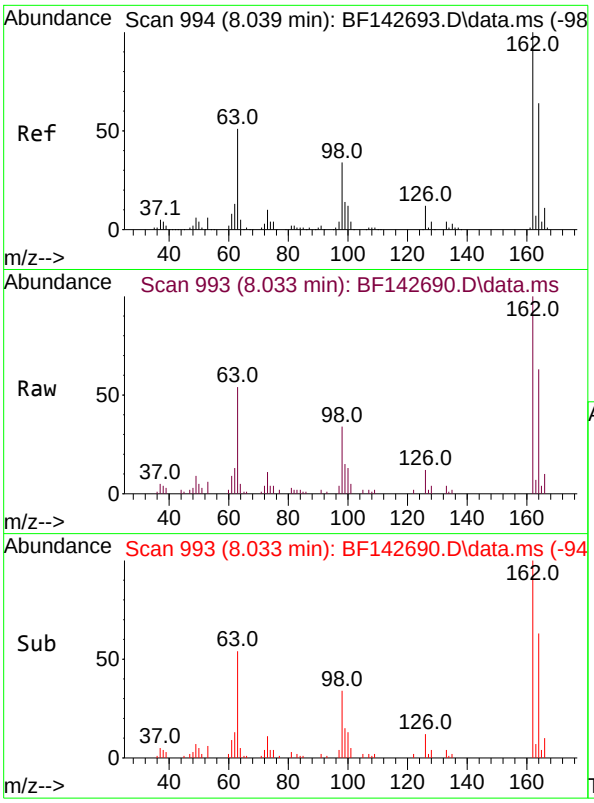


#28
bis(2-Chloroethoxy)methane
Concen: 4.683 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 93 Resp: 31531

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.4	38.2
123	11.7	10.5	15.7



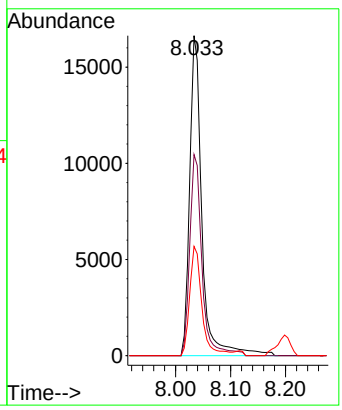


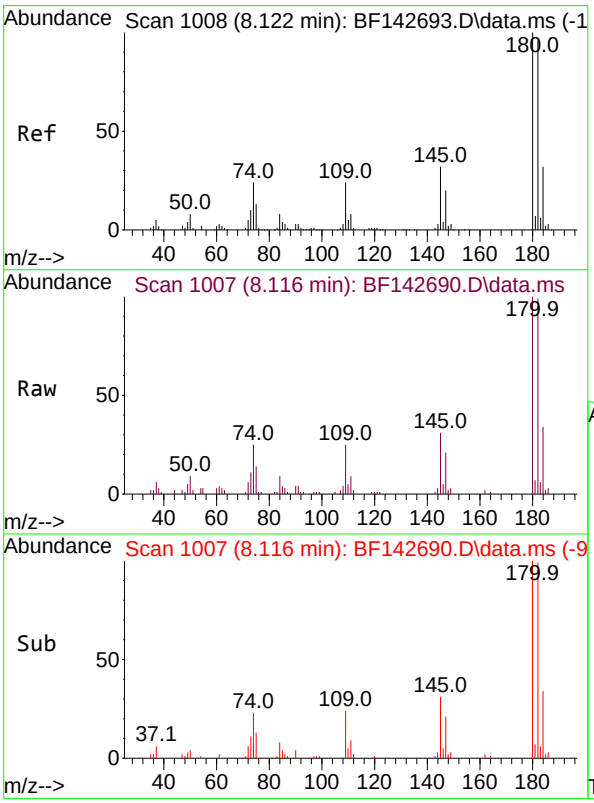
#29
2,4-Dichlorophenol
Concen: 5.010 ng
RT: 8.033 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 25677

Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	34.1	14.4	54.4

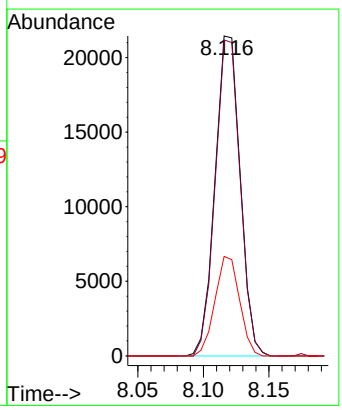


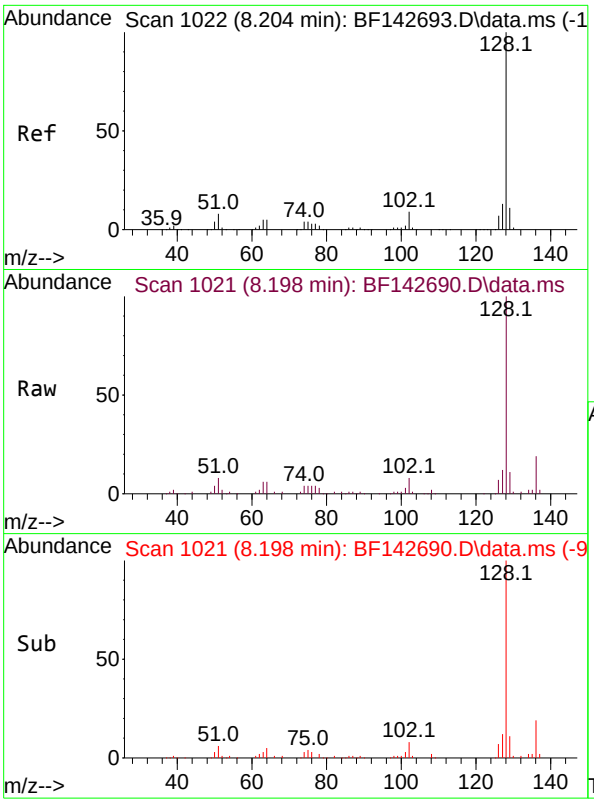


#30
1,2,4-Trichlorobenzene
Concen: 5.134 ng
RT: 8.116 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:180 Resp: 28700

Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.6	114.8
145	31.1	25.4	38.0



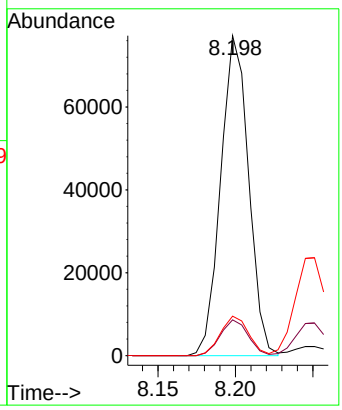


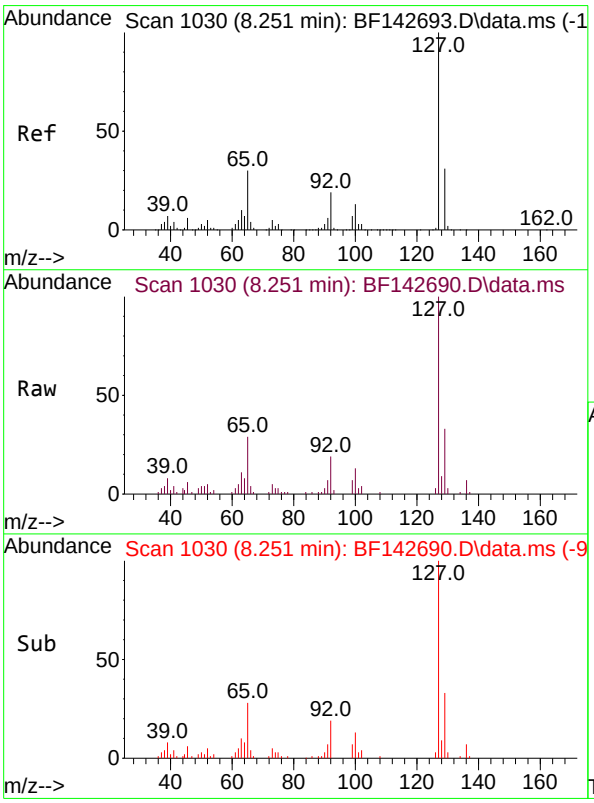
#31
Naphthalene
Concen: 5.396 ng
RT: 8.198 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 96698

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.3	10.6	15.8

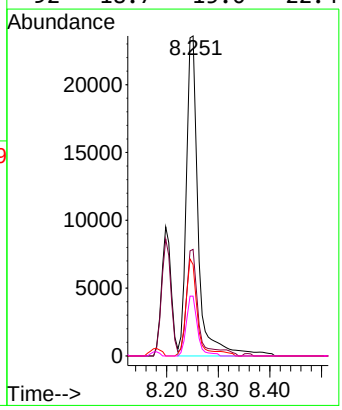


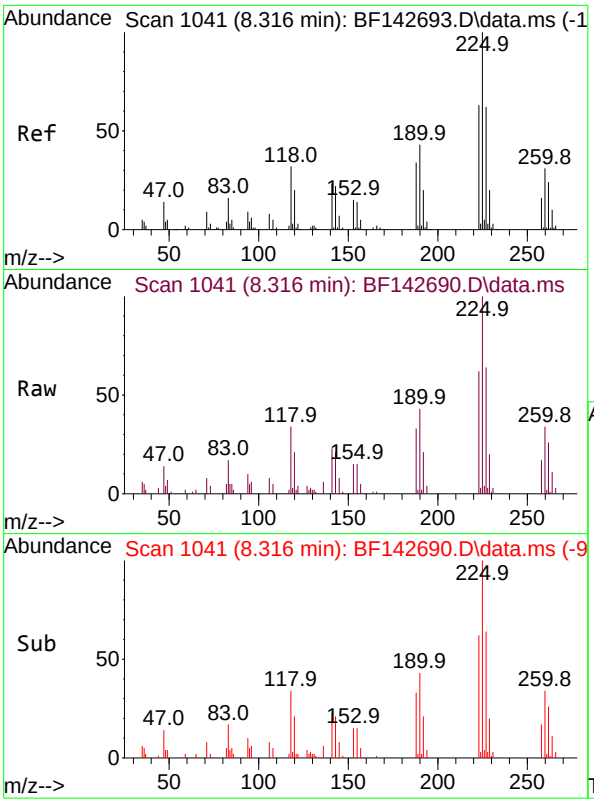


#33
4-Chloroaniline
Concen: 5.146 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:127 Resp: 37915

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.1	39.1
65	28.5	23.8	35.6
92	18.7	15.0	22.4



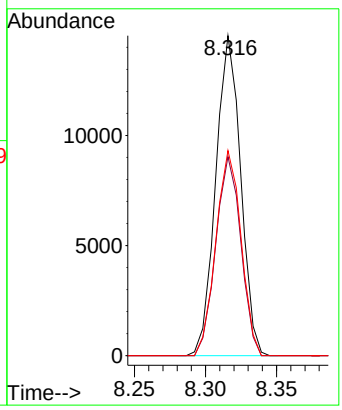


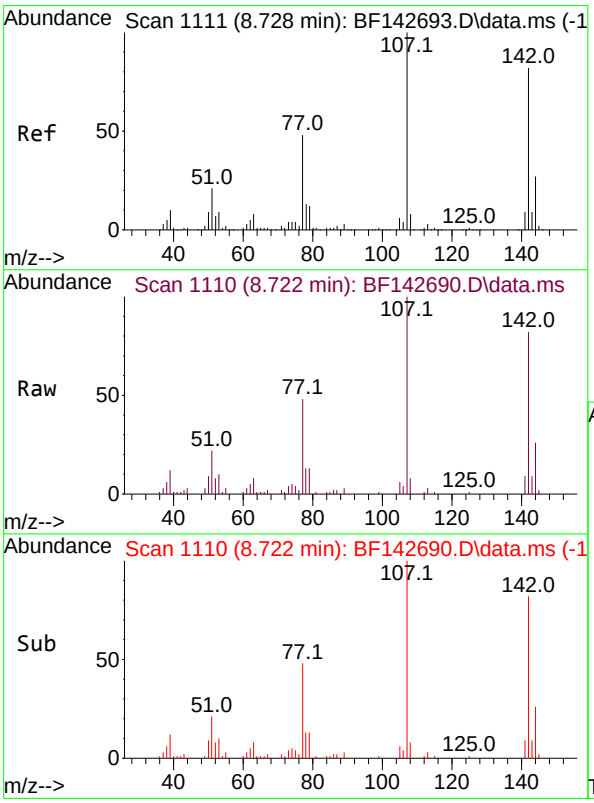
#34
Hexachlorobutadiene
Concen: 5.158 ng
RT: 8.316 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 17760

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.7	76.1
227	64.1	49.8	74.8

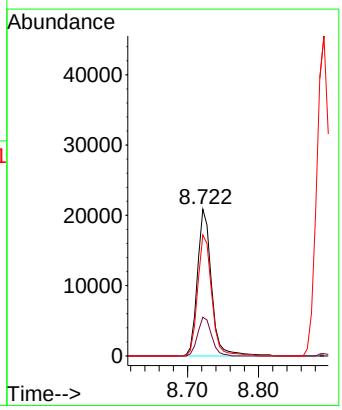


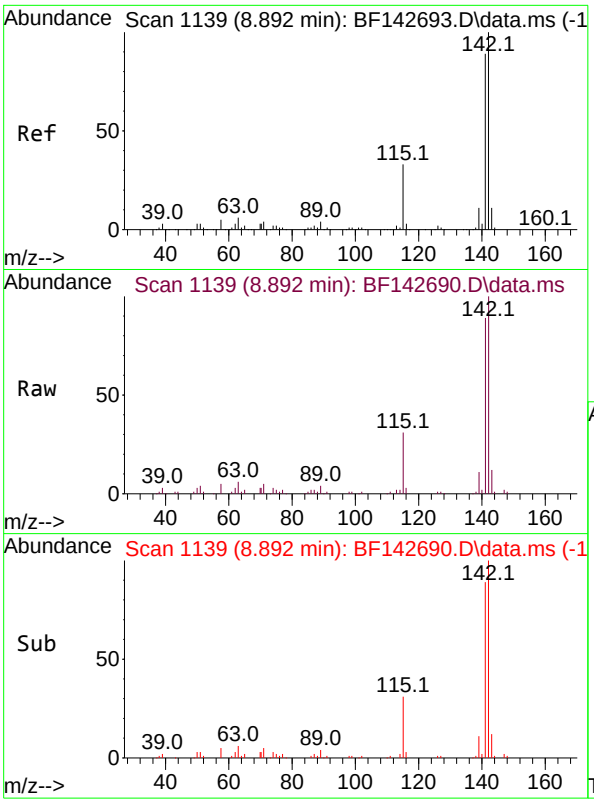


#36
4-Chloro-3-methylphenol
Concen: 5.408 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:107 Resp: 28589

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.5	32.3
142	82.4	65.5	98.3



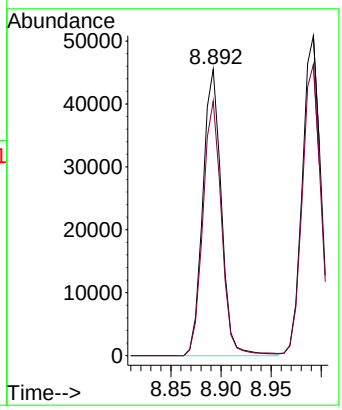


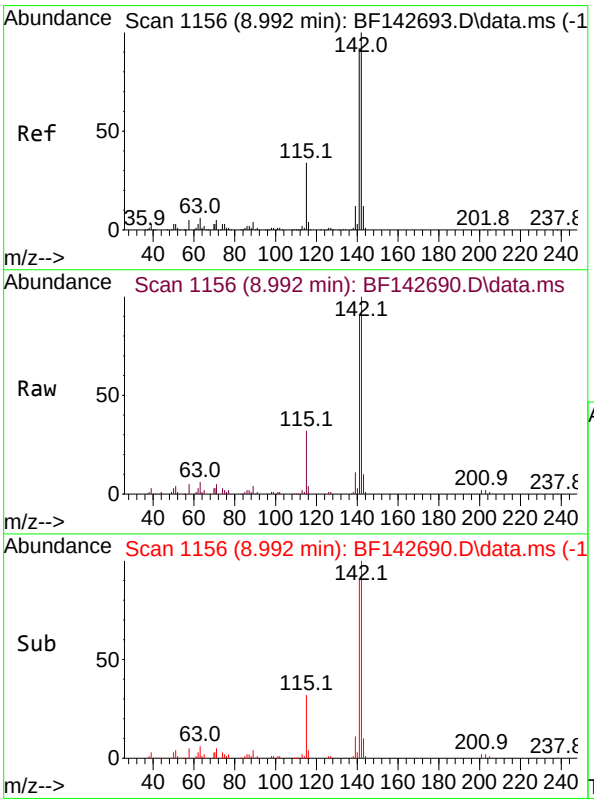
#37
2-Methylnaphthalene
Concen: 5.180 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 58413

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2

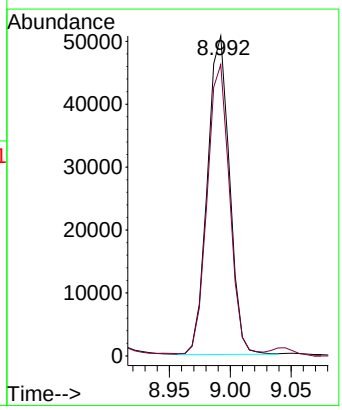


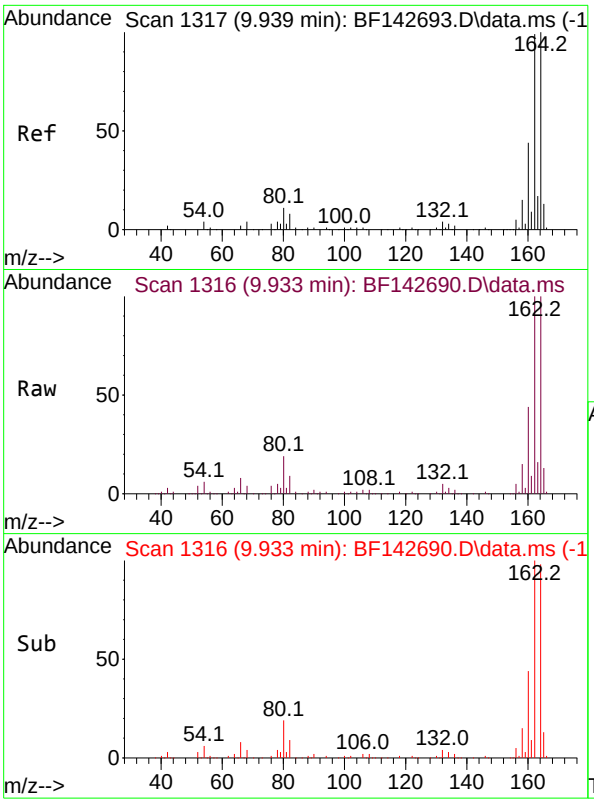


#38
1-Methylnaphthalene
Concen: 5.493 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:142 Resp: 64138

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.7	110.5



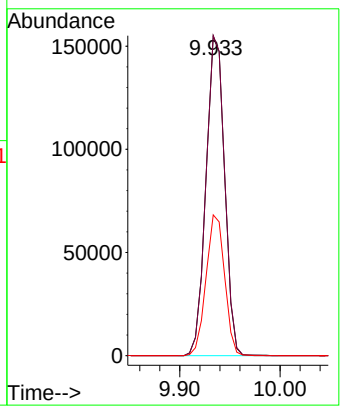


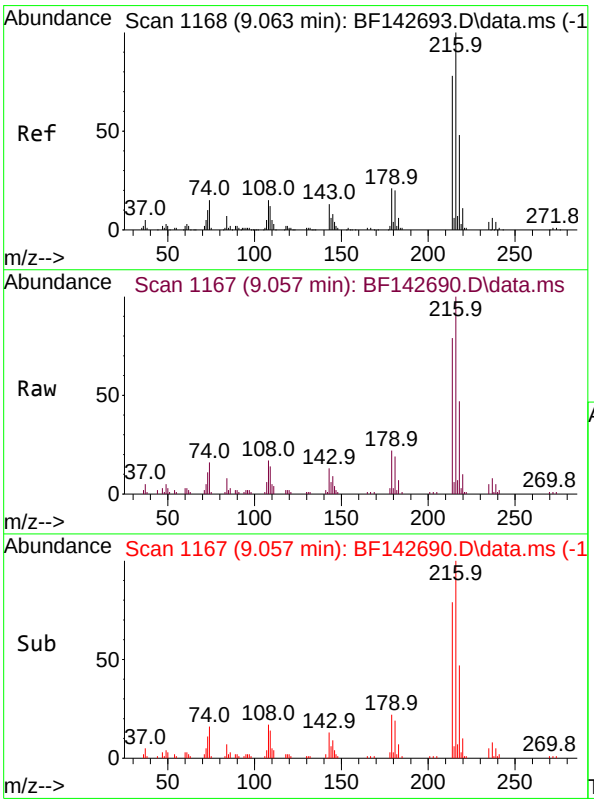
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 199052

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.1	118.7
160	44.0	35.4	53.0

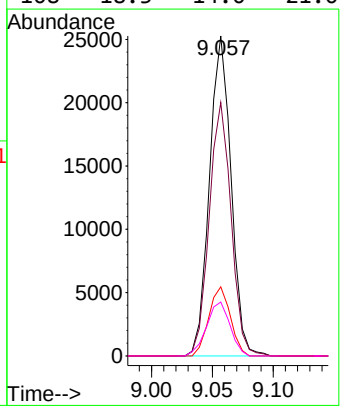


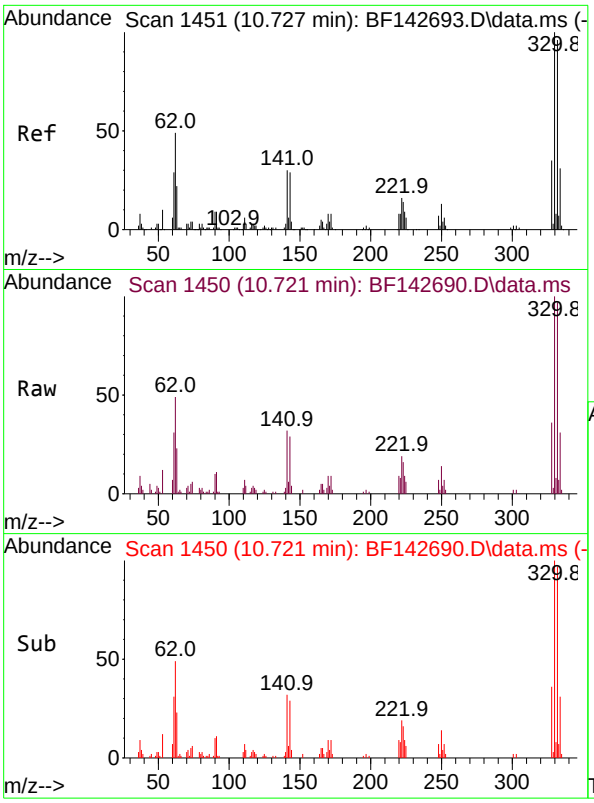


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.423 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:216 Resp: 31196

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.0	94.6
179	21.5	16.6	25.0
108	18.3	14.0	21.0



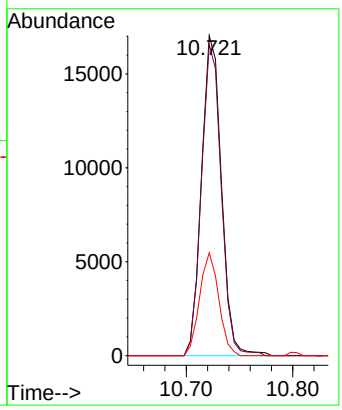


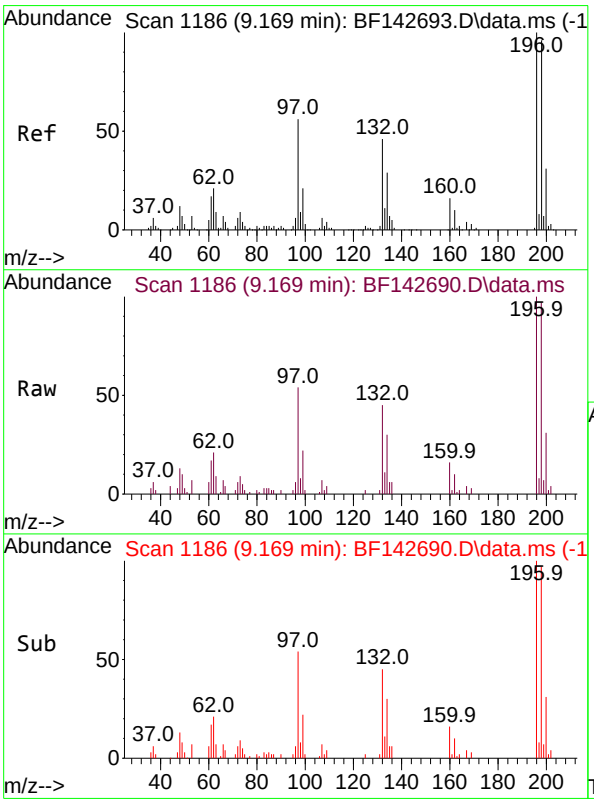
#42
2,4,6-Tribromophenol
Concen: 9.891 ng
RT: 10.721 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 22120

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	30.9	23.5	35.3

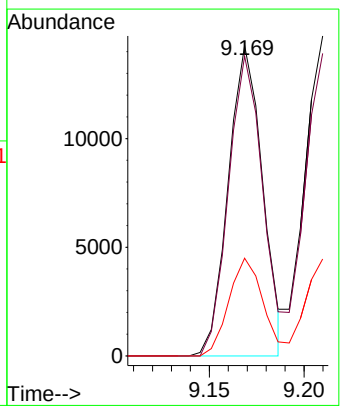


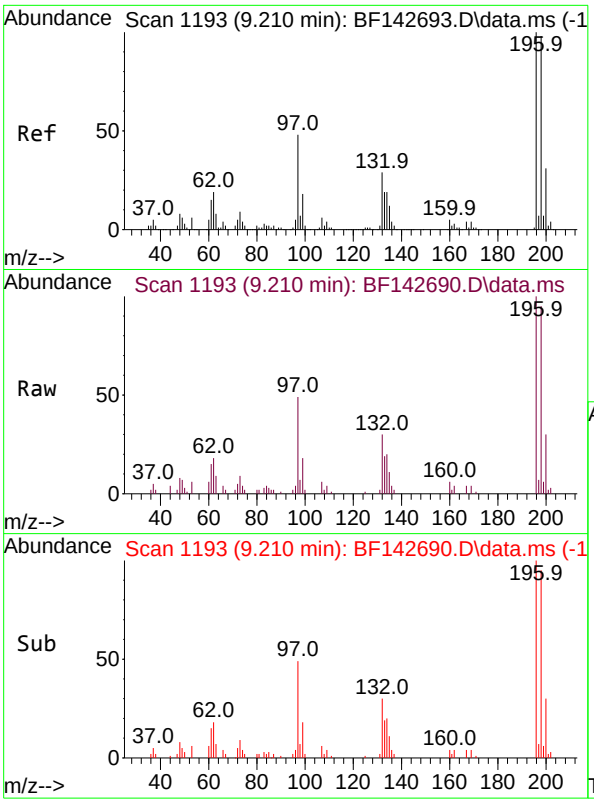


#43
2,4,6-Trichlorophenol
Concen: 4.754 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:196 Resp: 17945

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.1	115.7
200	31.5	24.5	36.7



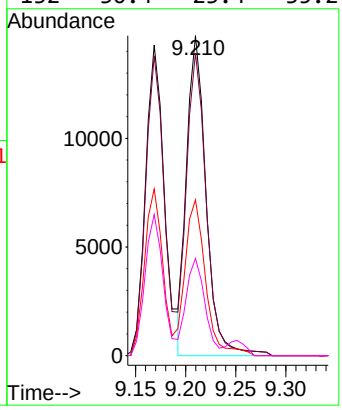


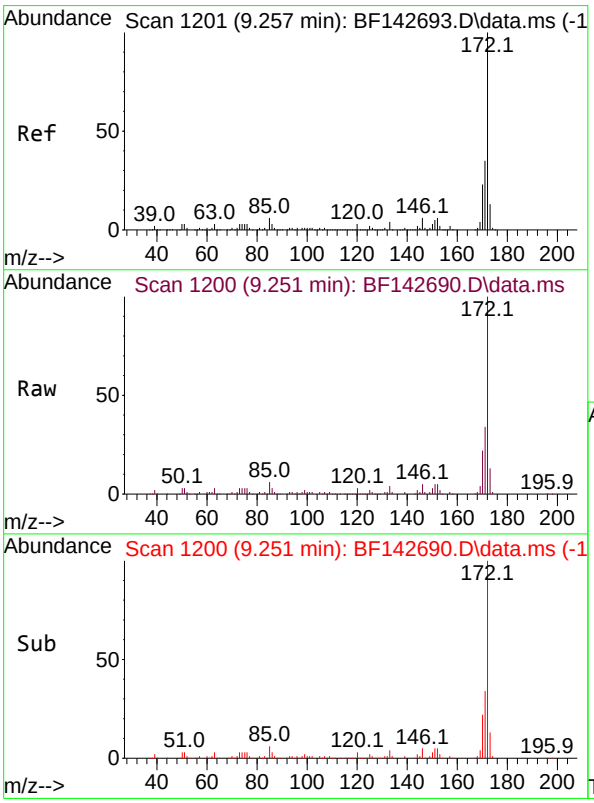
#44
2,4,5-Trichlorophenol
Concen: 4.939 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 19913

Ion	Ratio	Lower	Upper
196	100		
198	94.5	78.2	117.2
97	48.7	39.2	58.8
132	30.4	23.4	35.2

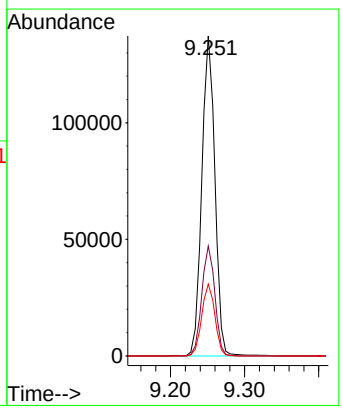


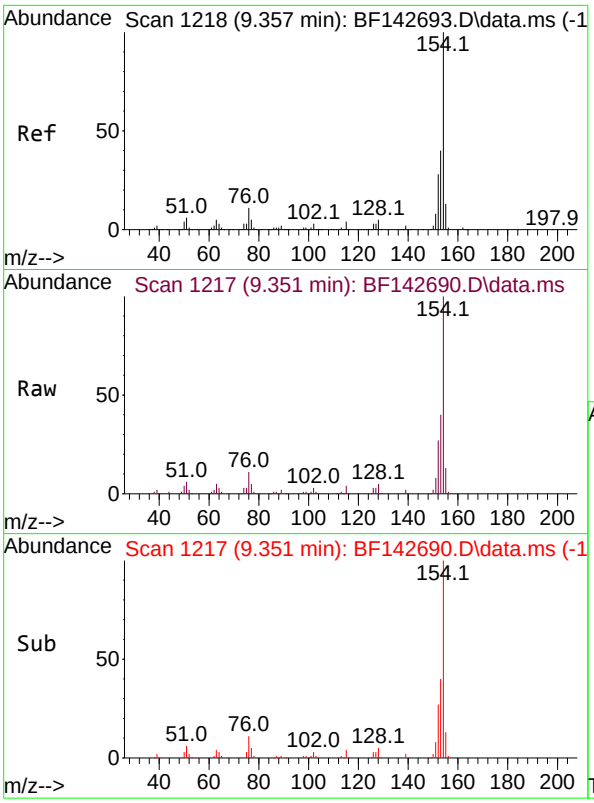


#45
2-Fluorobiphenyl
Concen: 11.550 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:172 Resp: 168113

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.3	42.5
170	22.5	18.7	28.1



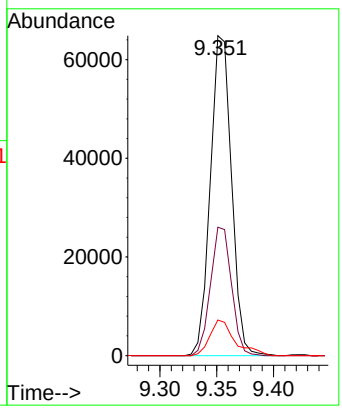


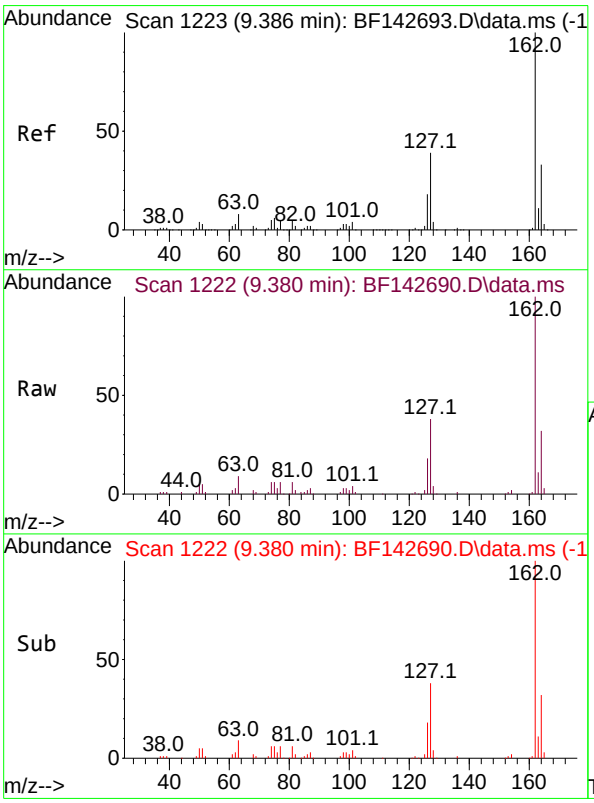
#46
1,1'-Biphenyl
Concen: 5.439 ng
RT: 9.351 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 84182

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	11.1	0.0	31.4

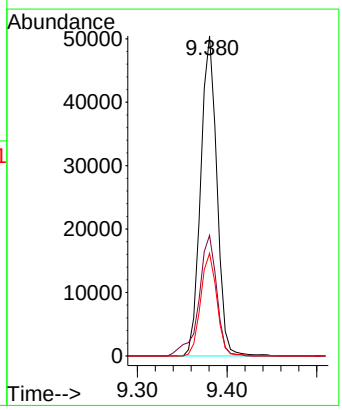


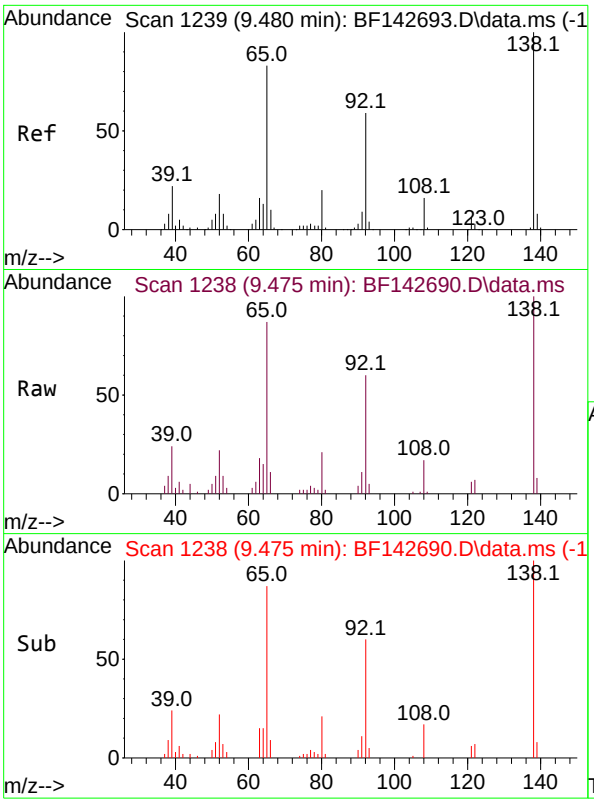


#47
2-Chloronaphthalene
Concen: 5.456 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:162 Resp: 63280

Ion	Ratio	Lower	Upper
162	100		
127	37.7	31.7	47.5
164	32.1	26.2	39.4



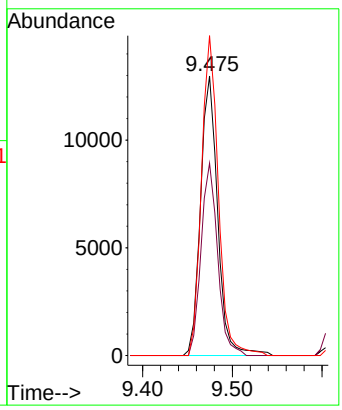


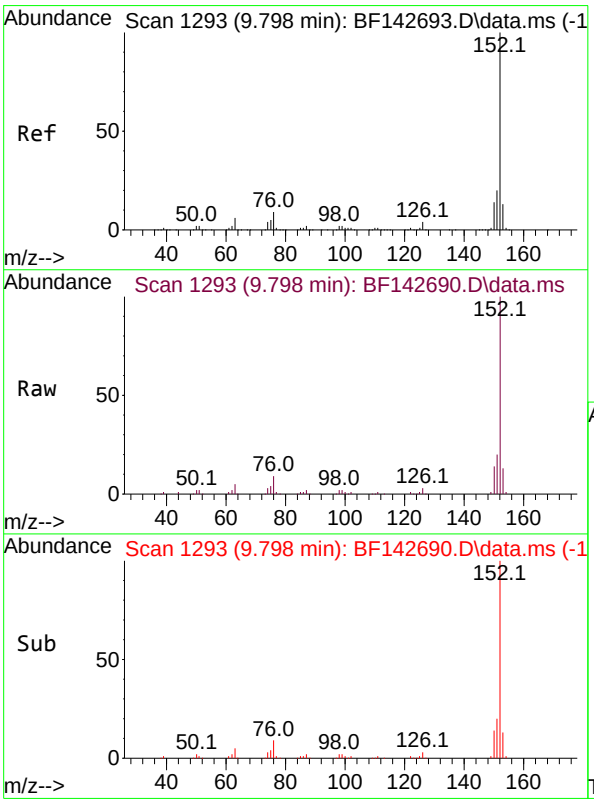
#48
2-Nitroaniline
Concen: 4.994 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 17236

Ion	Ratio	Lower	Upper
65	100		
92	68.8	56.3	84.5
138	114.4	95.9	143.9

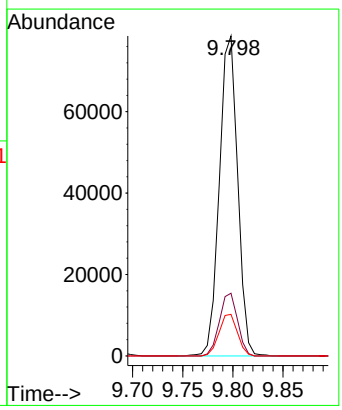


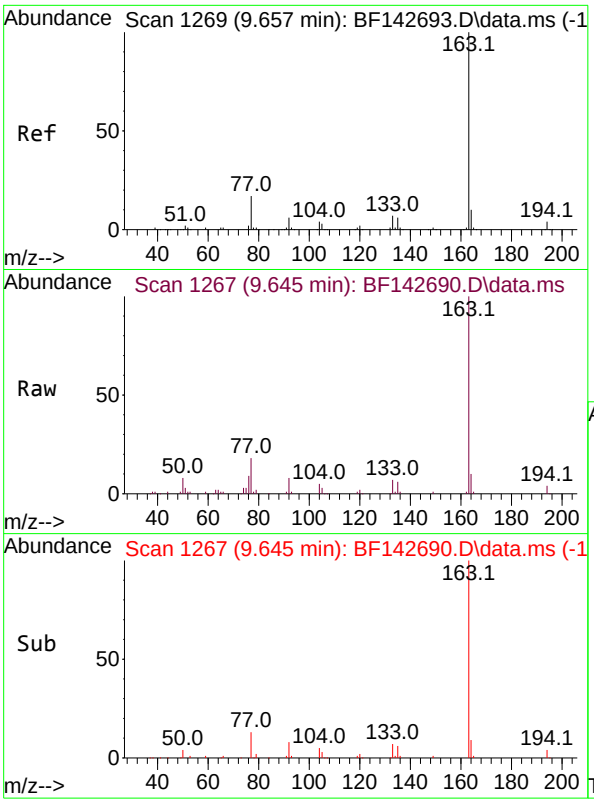


#49
Acenaphthylene
Concen: 5.198 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:152 Resp: 99907

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.5	15.7



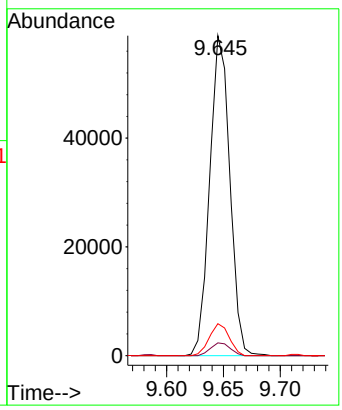


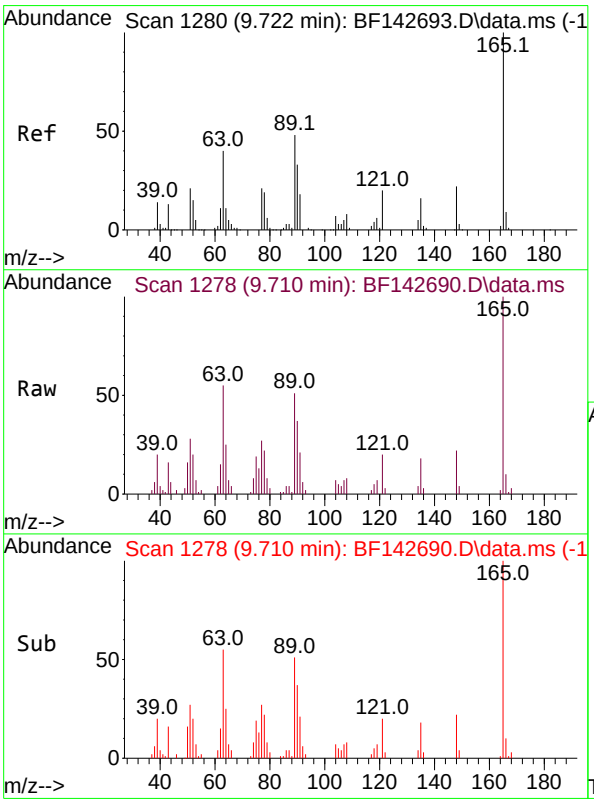
#50
Dimethylphthalate
Concen: 5.419 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 72571

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.1	12.1

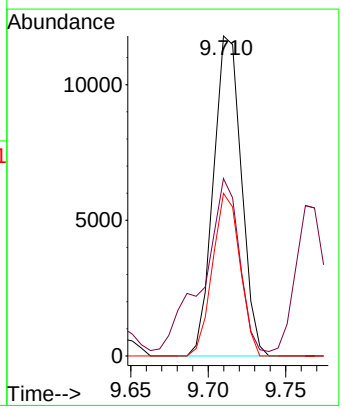


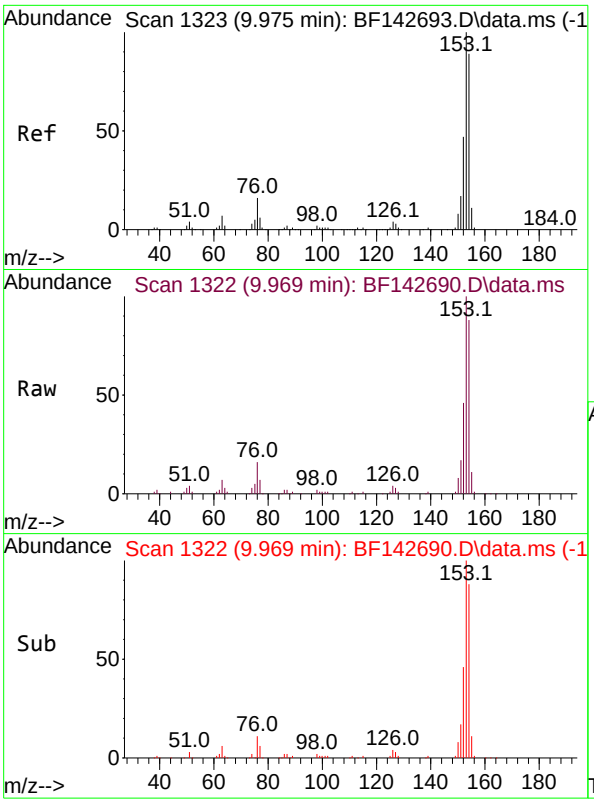


#51
2,6-Dinitrotoluene
Concen: 5.113 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:165 Resp: 14814

Ion	Ratio	Lower	Upper
165	100		
63	55.4	41.3	61.9
89	50.8	38.1	57.1



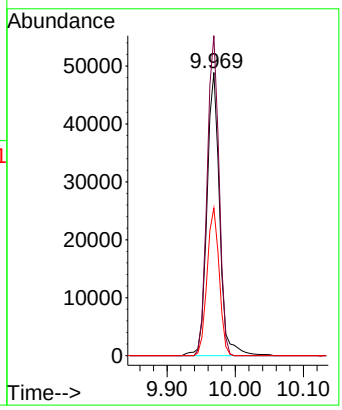


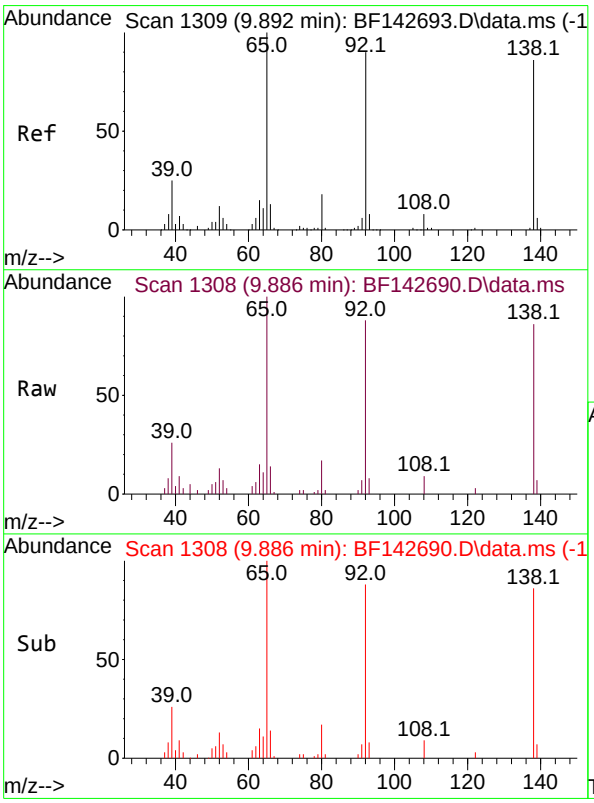
#52
Acenaphthene
Concen: 5.371 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 63154

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.5	134.3
152	52.1	41.8	62.8

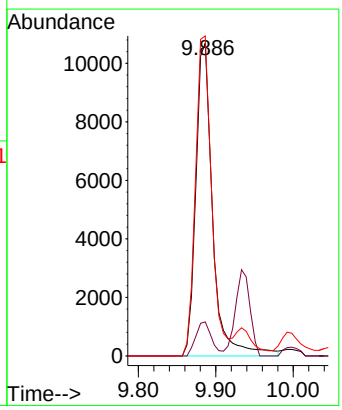


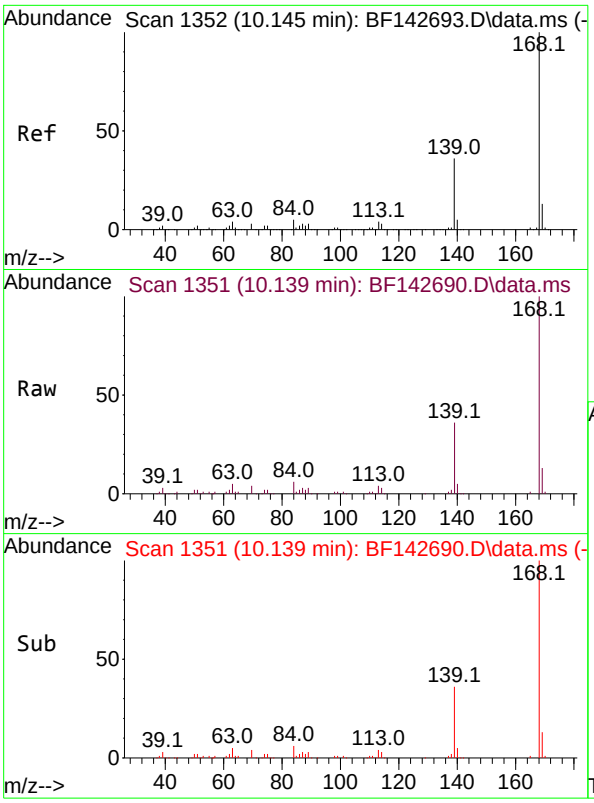


#53
3-Nitroaniline
Concen: 4.953 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:138 Resp: 16123

Ion	Ratio	Lower	Upper
138	100		
108	10.9	7.7	11.5
92	102.3	83.4	125.0



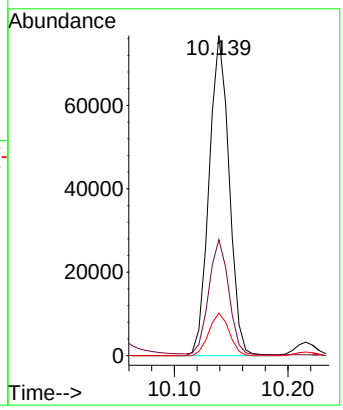


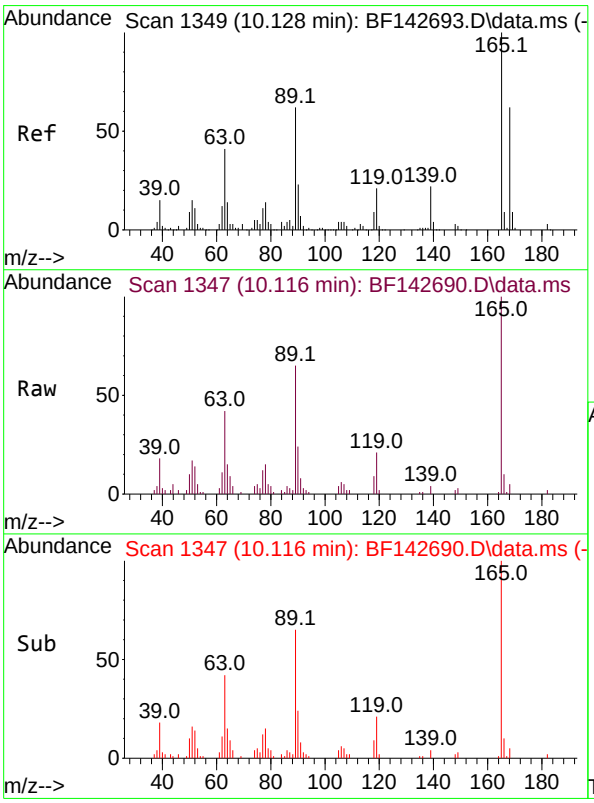
#55
Dibenzofuran
Concen: 5.582 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 94164

Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.2	43.8
169	13.3	10.7	16.1

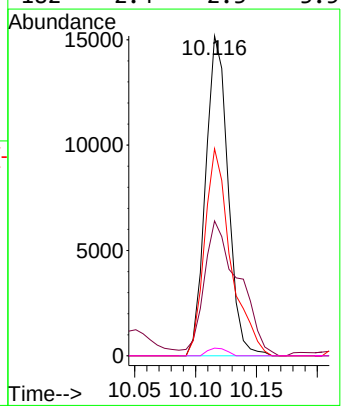


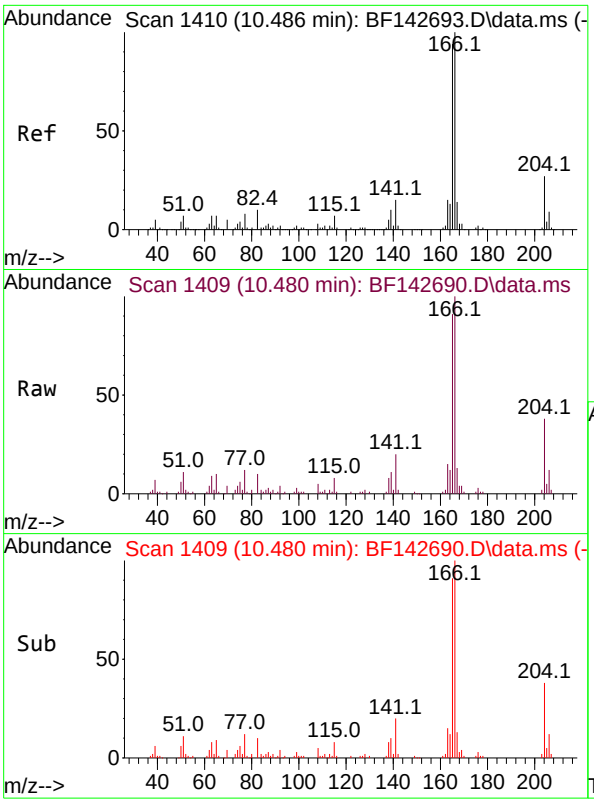


#57
2,4-Dinitrotoluene
Concen: 5.016 ng
RT: 10.116 min Scan# 1347
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:165 Resp: 19477

Ion	Ratio	Lower	Upper
165	100		
63	42.2	33.6	50.4
89	64.7	49.4	74.0
182	2.4	2.3	3.5



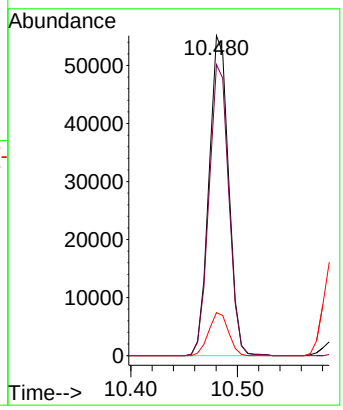


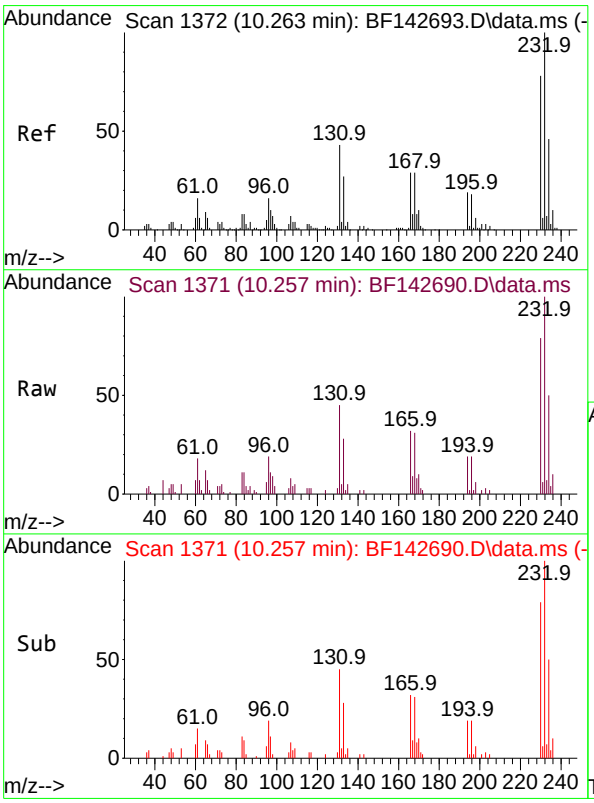
#58
Fluorene
Concen: 5.224 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 70429

Ion	Ratio	Lower	Upper
166	100		
165	90.9	75.0	112.6
167	13.4	10.8	16.2

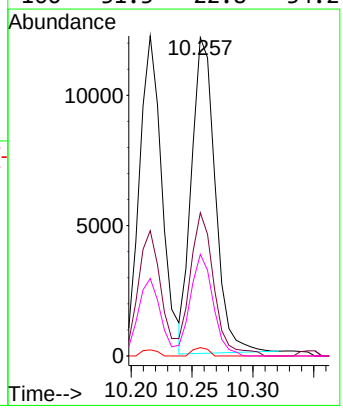


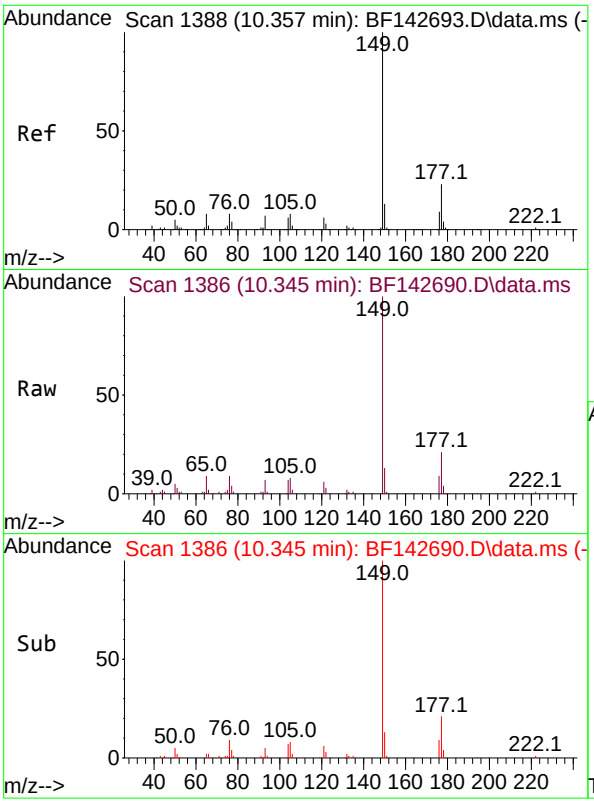


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.814 ng
RT: 10.257 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:232 Resp: 16332

Ion	Ratio	Lower	Upper
232	100		
131	44.8	33.5	50.3
130	1.8	1.5	2.3
166	31.3	22.8	34.2



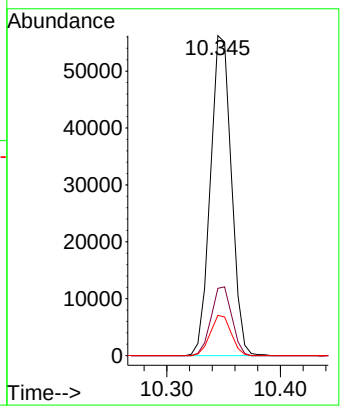


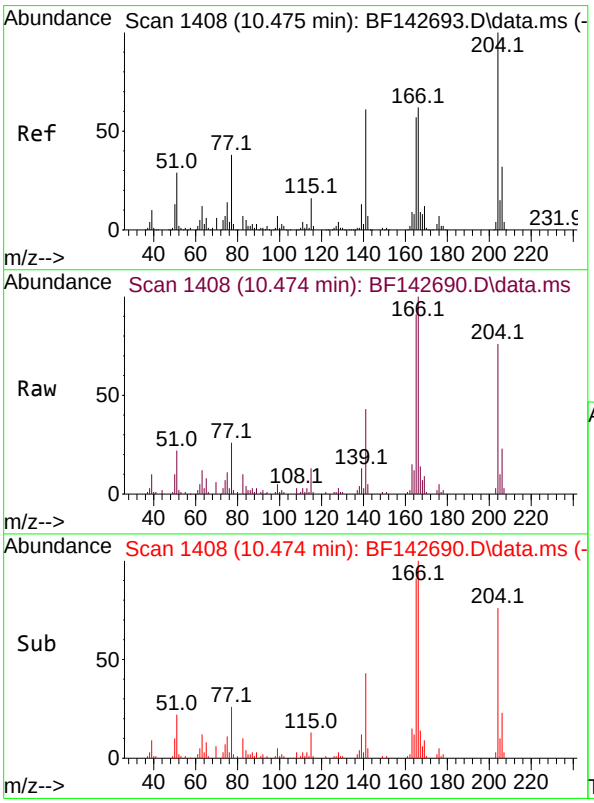
#60
Diethylphthalate
Concen: 5.557 ng
RT: 10.345 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 72244

Ion	Ratio	Lower	Upper
149	100		
177	21.0	18.0	27.0
150	12.6	10.0	15.0

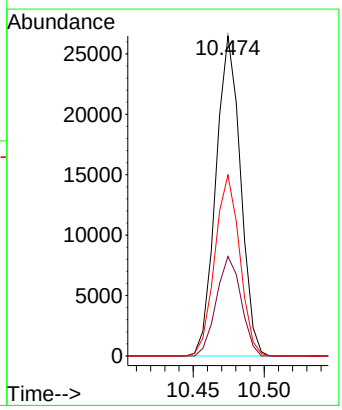


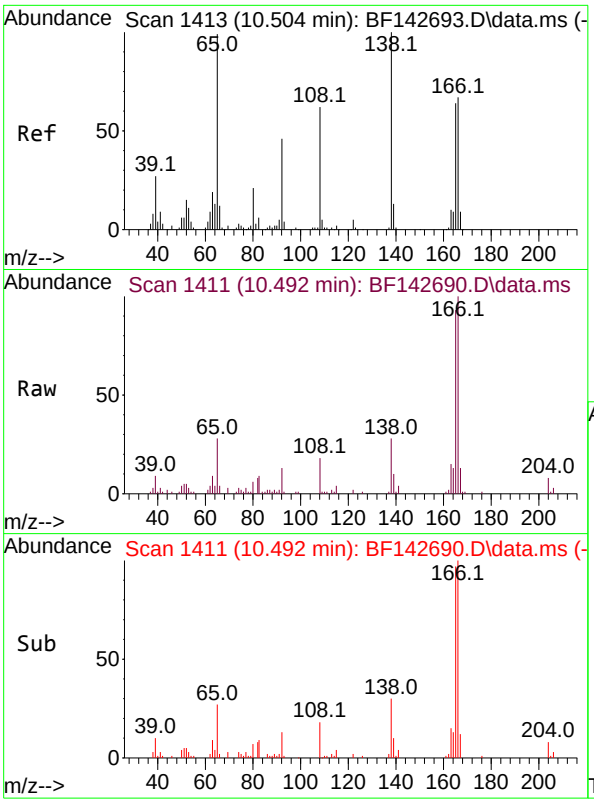


#61
4-Chlorophenyl-phenylether
Concen: 5.016 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:204 Resp: 31976

Ion	Ratio	Lower	Upper
204	100		
206	31.1	25.6	38.4
141	56.5	48.9	73.3



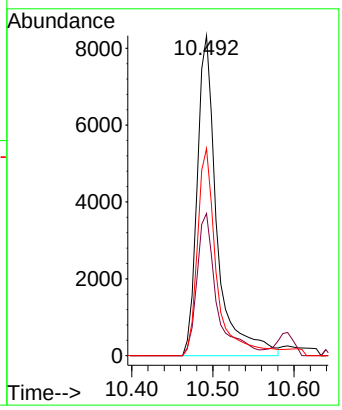


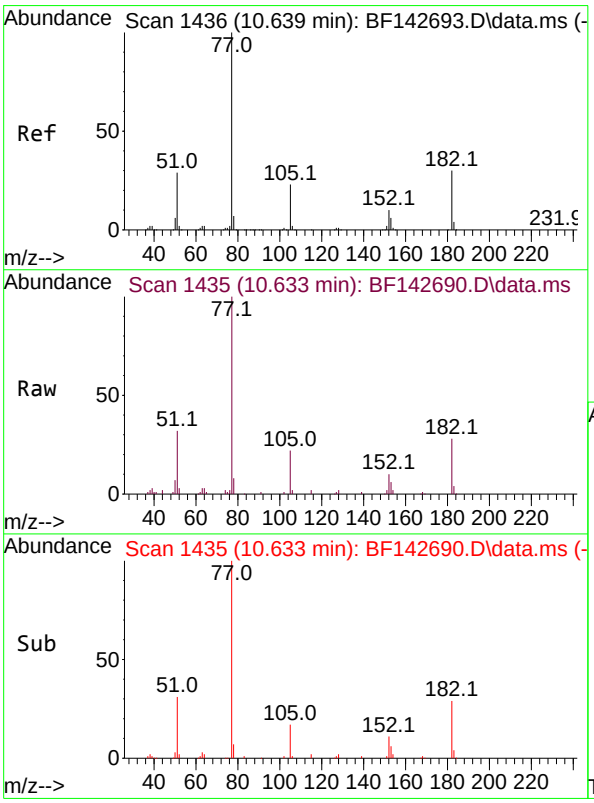
#62
4-Nitroaniline
Concen: 4.570 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 14112

Ion	Ratio	Lower	Upper
138	100		
92	44.4	25.8	65.8
108	64.7	42.3	82.3

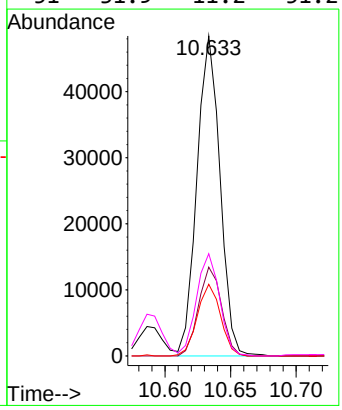


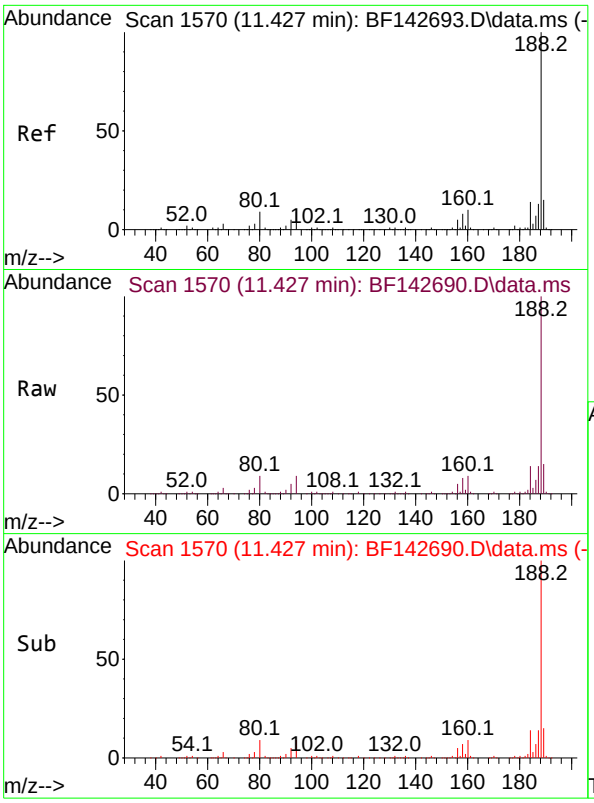


#63
Azobenzene
Concen: 5.071 ng
RT: 10.633 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion: 77 Resp: 59054

Ion	Ratio	Lower	Upper
77	100		
182	27.7	9.5	49.5
105	22.4	2.3	42.3
51	31.9	11.2	51.2



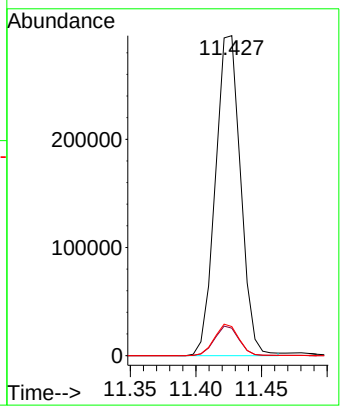


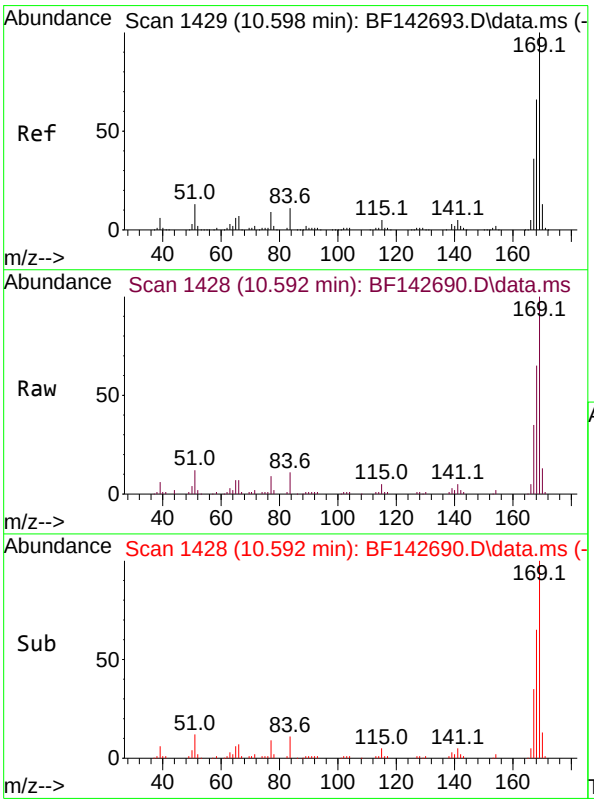
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 395819

Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.0	10.4
80	9.1	7.2	10.8

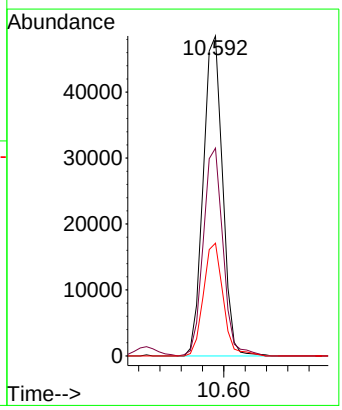


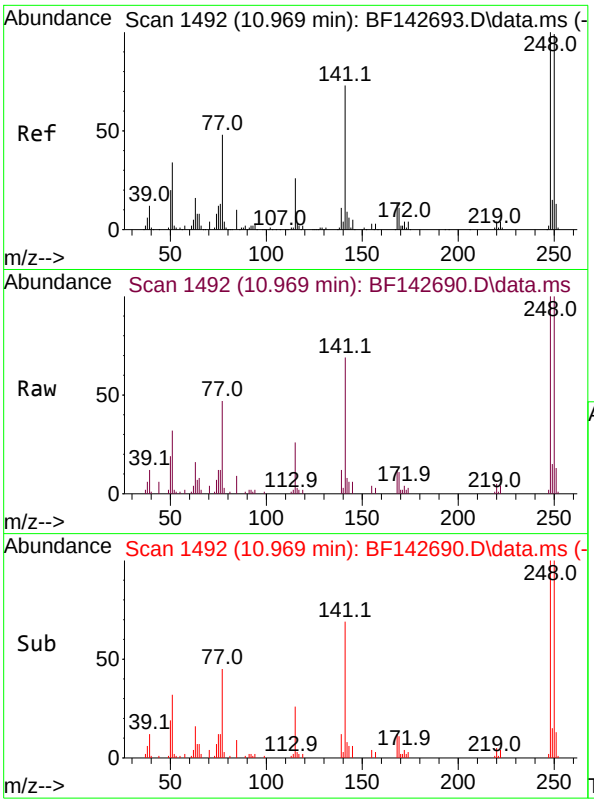


#66
n-Nitrosodiphenylamine
Concen: 4.783 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:169 Resp: 61123

Ion	Ratio	Lower	Upper
169	100		
168	64.9	53.1	79.7
167	35.2	28.4	42.6



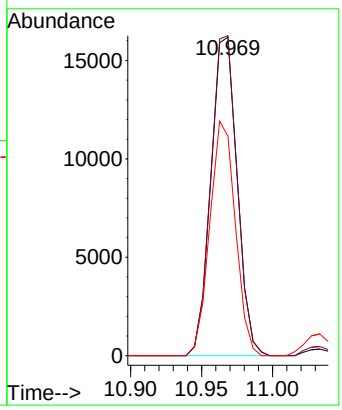


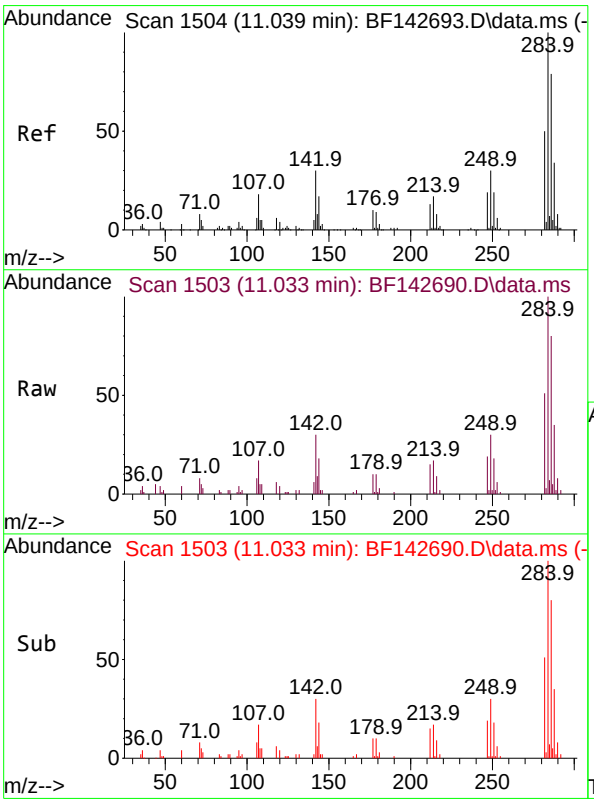
#67
4-Bromophenyl-phenylether
Concen: 4.748 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 20773

Ion	Ratio	Lower	Upper
248	100		
250	100.5	79.1	118.7
141	68.9	58.5	87.7

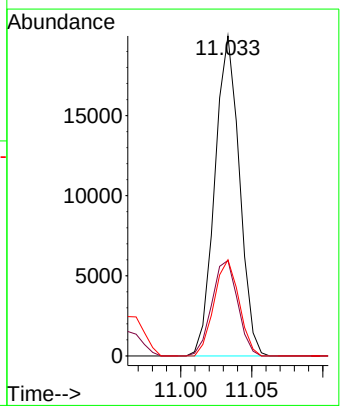


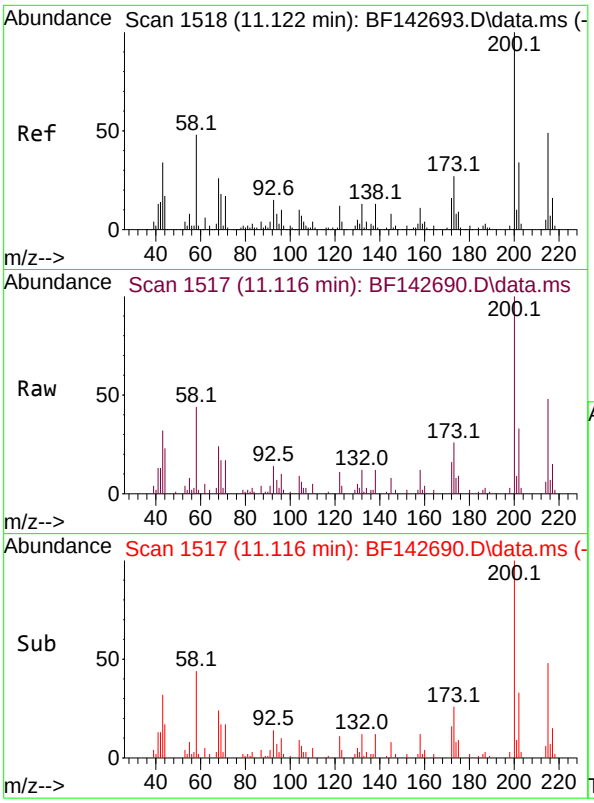


#68
Hexachlorobenzene
Concen: 4.793 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:284 Resp: 24093

Ion	Ratio	Lower	Upper
284	100		
142	29.8	23.6	35.4
249	30.0	23.8	35.8



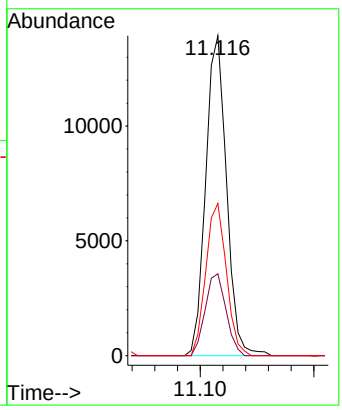


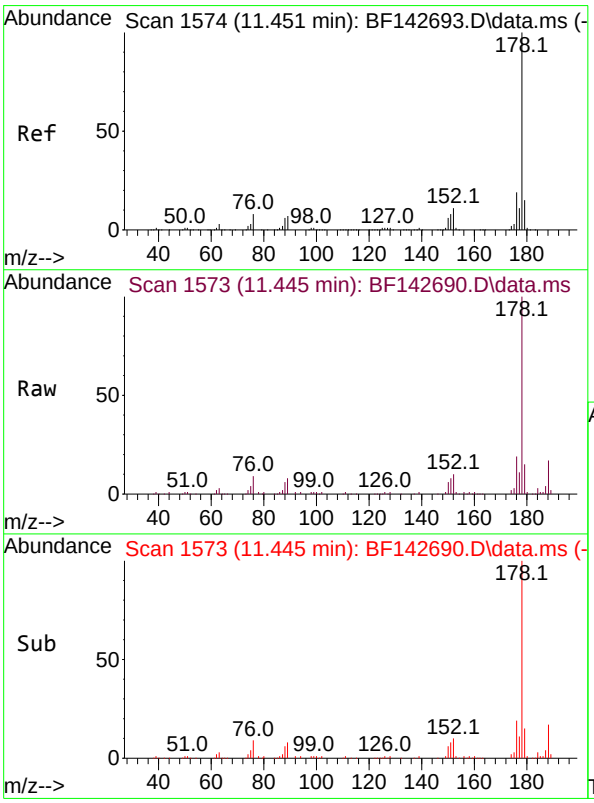
#69
Atrazine
Concen: 4.570 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 17711

Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.4	47.4
215	47.5	28.9	68.9

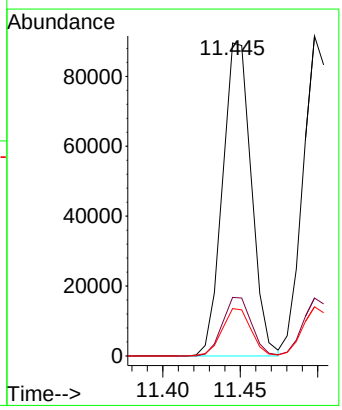


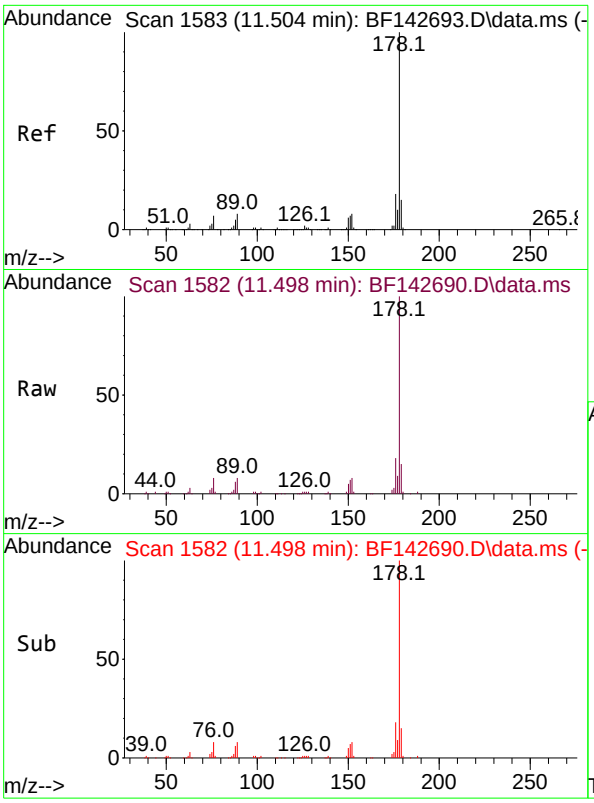


#71
Phenanthrene
Concen: 5.487 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:178 Resp: 116113

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.1	12.4	18.6



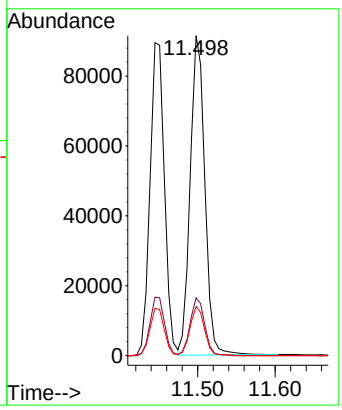


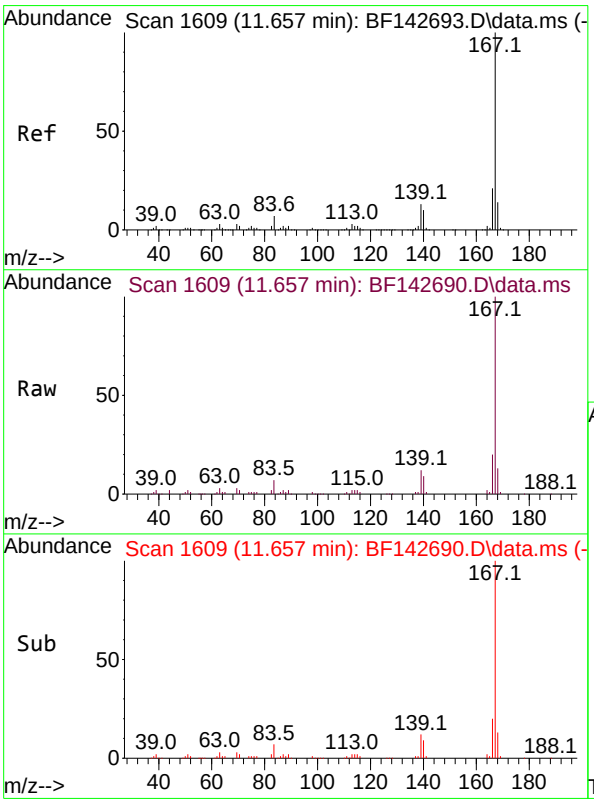
#72
Anthracene
Concen: 5.464 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 119993

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.3	12.2	18.2

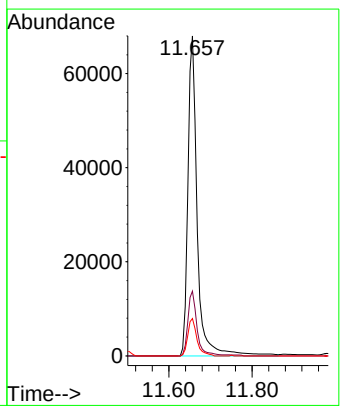


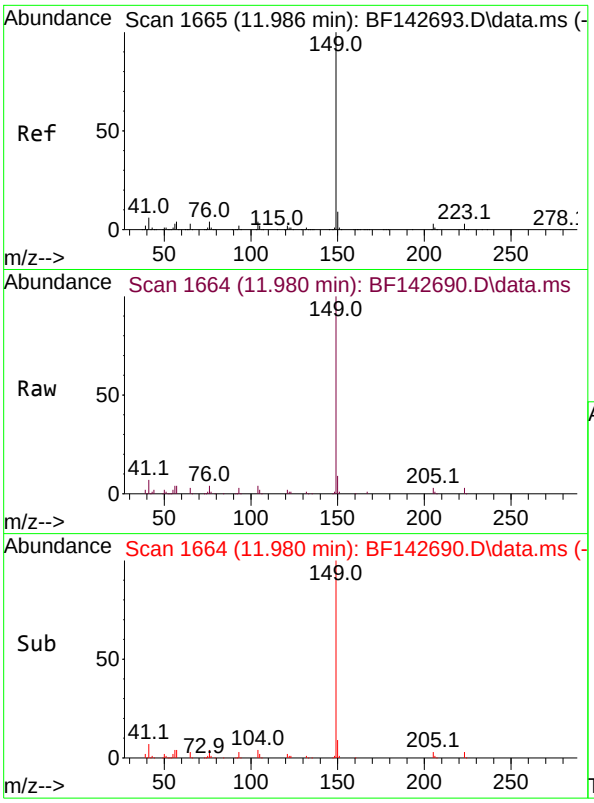


#73
Carbazole
Concen: 5.349 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:167 Resp: 105765

Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.0	25.4
139	11.7	10.1	15.1



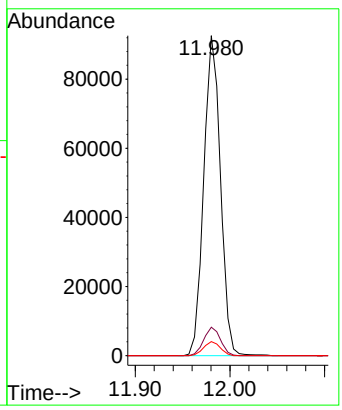


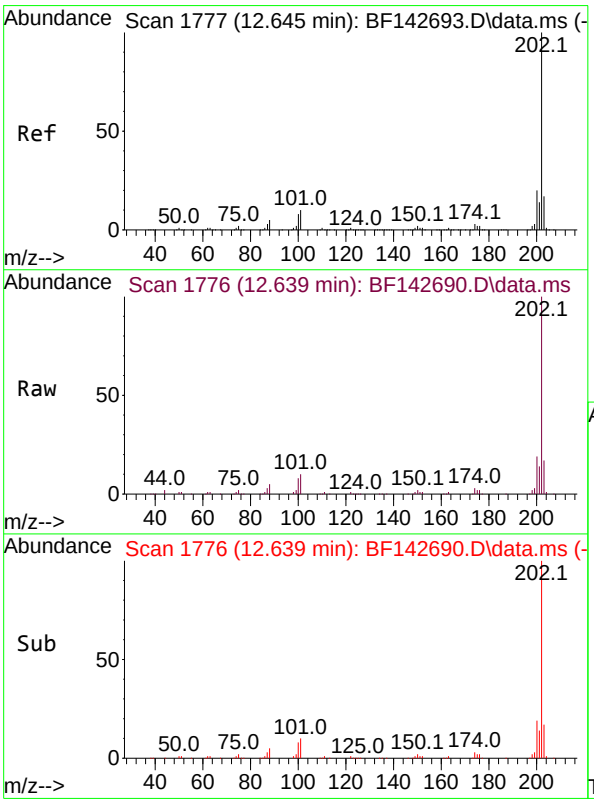
#74
Di-n-butylphthalate
Concen: 5.409 ng
RT: 11.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 113548

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.4	3.3	4.9

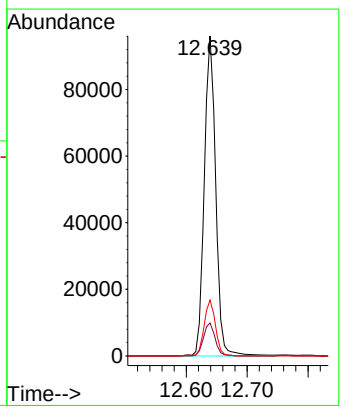


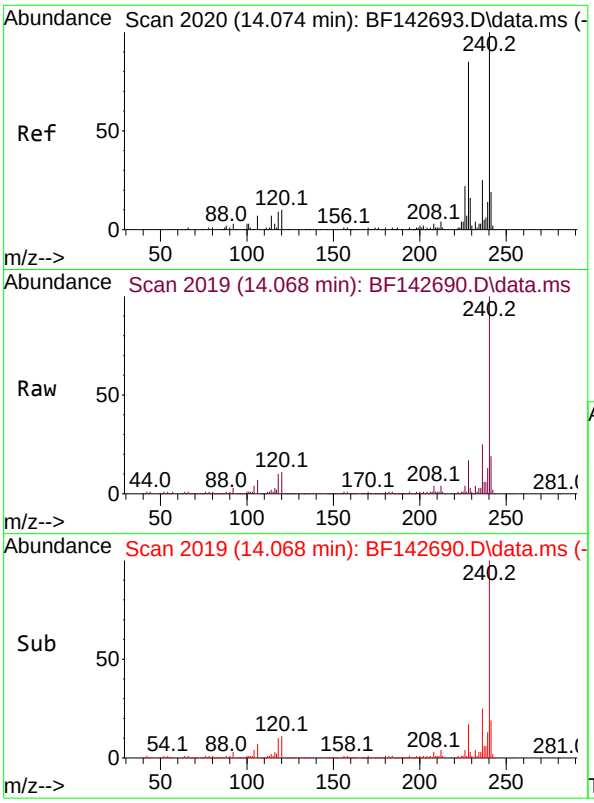


#75
Fluoranthene
Concen: 5.887 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:202 Resp: 124816

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.4	0.0	37.3



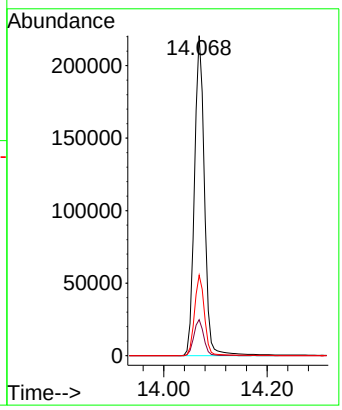


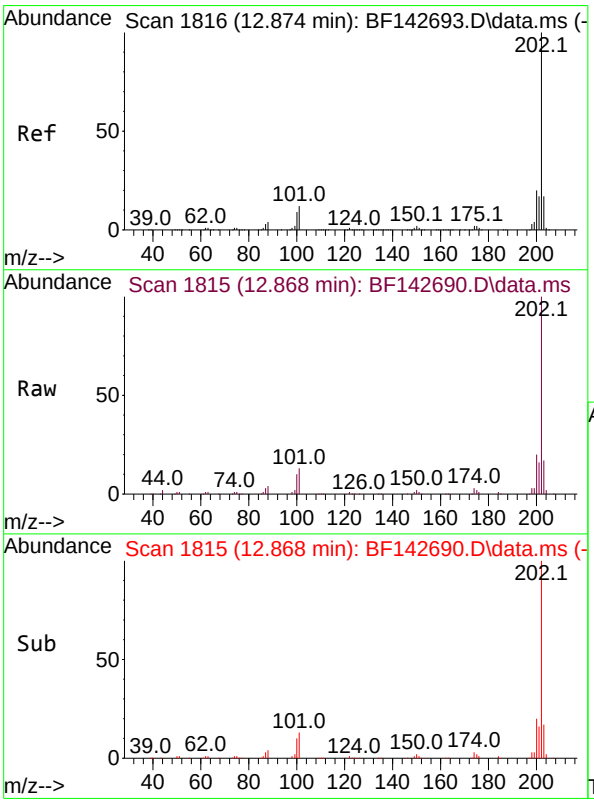
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 296605

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	25.1	20.2	30.2

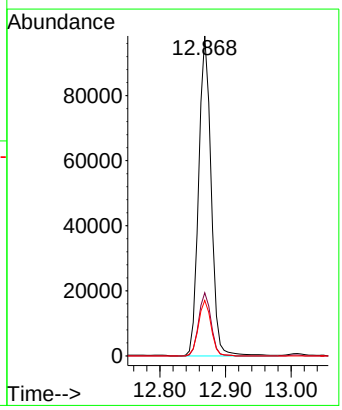


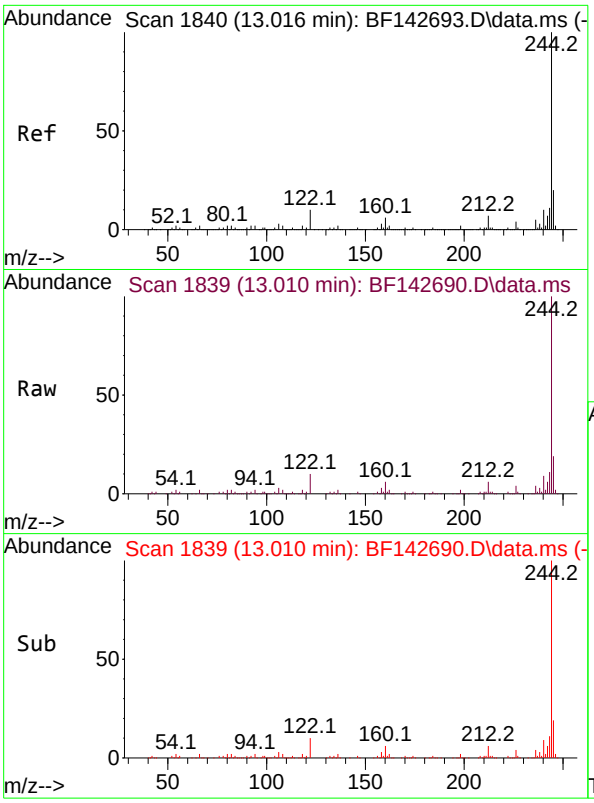


#78
Pyrene
Concen: 5.348 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:202 Resp: 129253

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.1	24.1
203	17.3	13.9	20.9



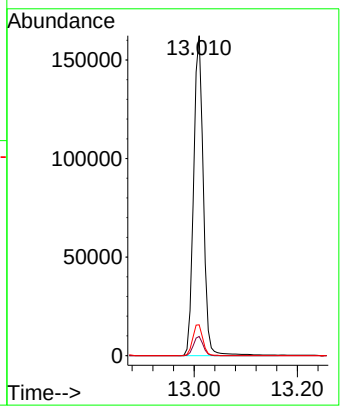


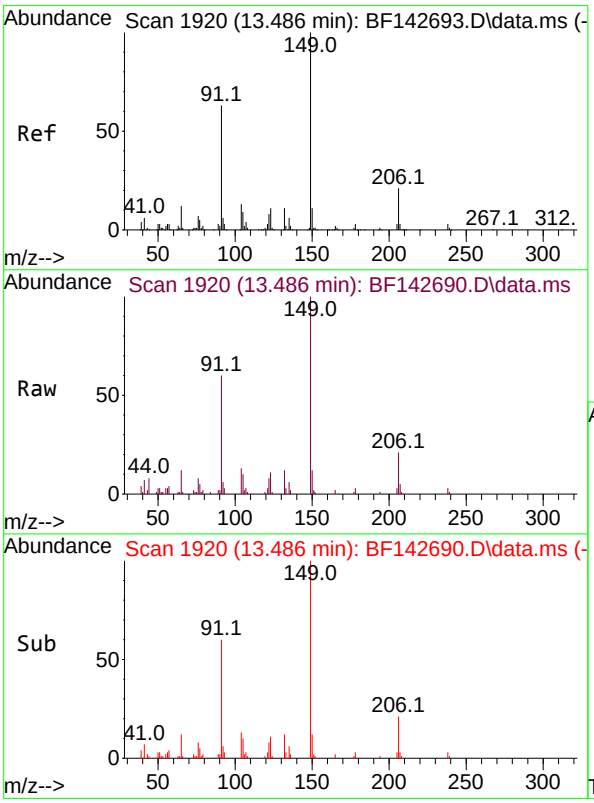
#79
Terphenyl-d14
Concen: 11.283 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 211608

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.3	7.9
122	9.6	8.2	12.2

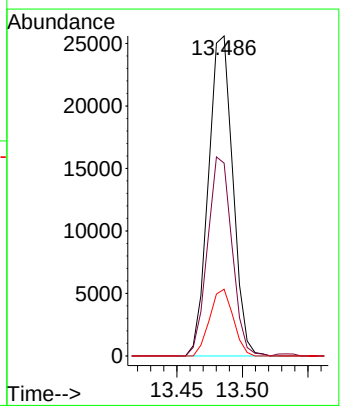


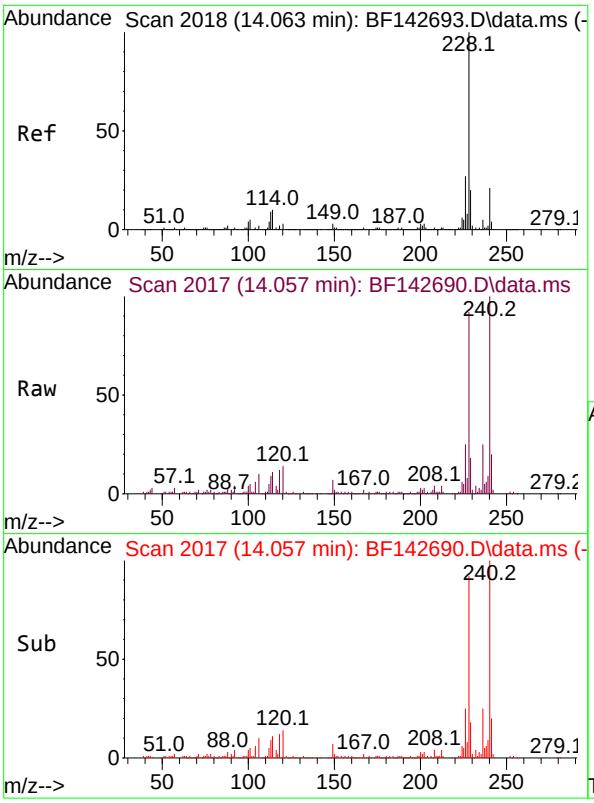


#80
Butylbenzylphthalate
Concen: 4.462 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.000 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:149 Resp: 33207

Ion	Ratio	Lower	Upper
149	100		
91	60.2	50.5	75.7
206	20.8	16.9	25.3



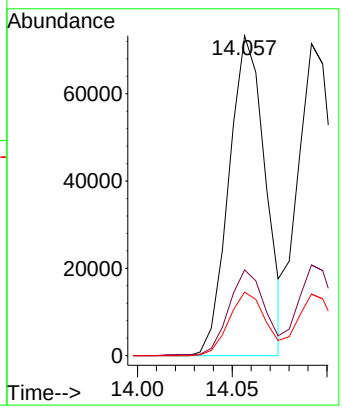


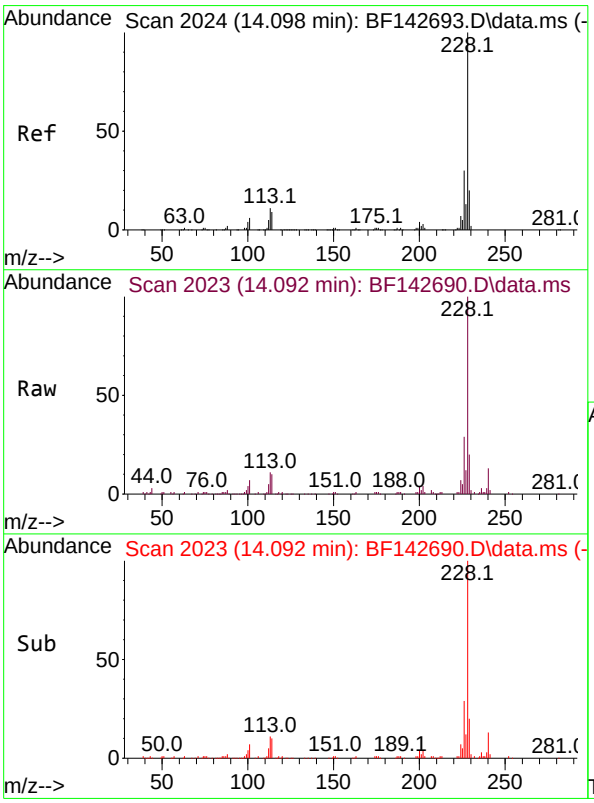
#81
Benzo(a)anthracene
Concen: 5.093 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 98046

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.8	15.8	23.6

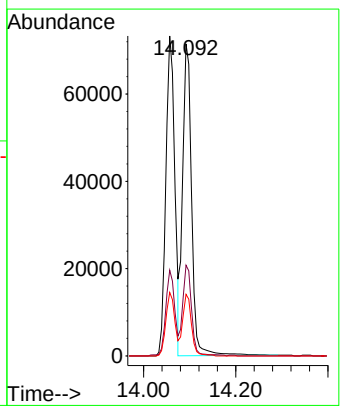


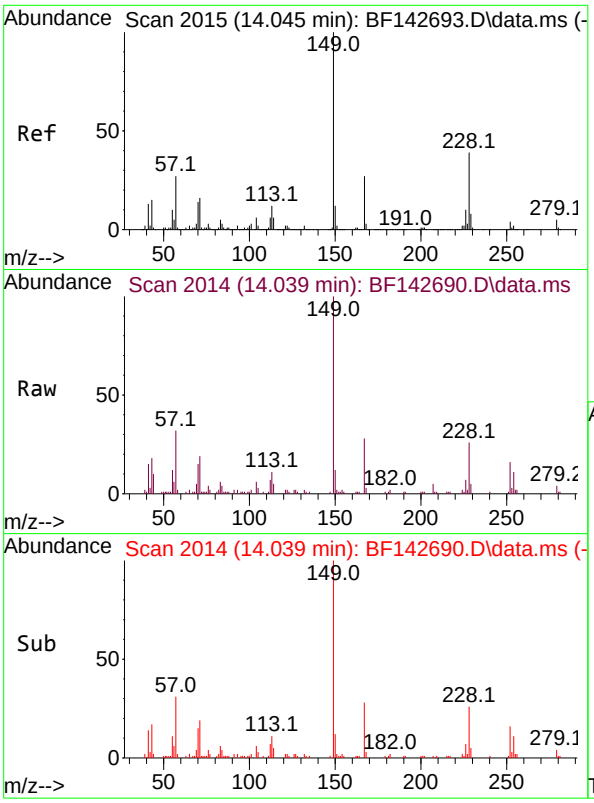


#83
Chrysene
Concen: 5.396 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:228 Resp: 98383

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.8	35.8
229	19.7	15.8	23.6



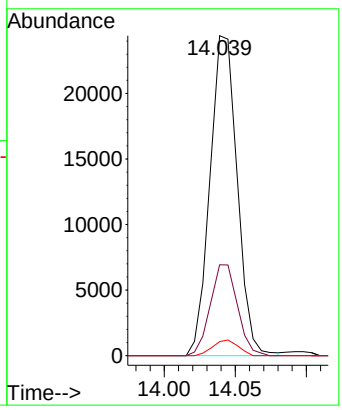


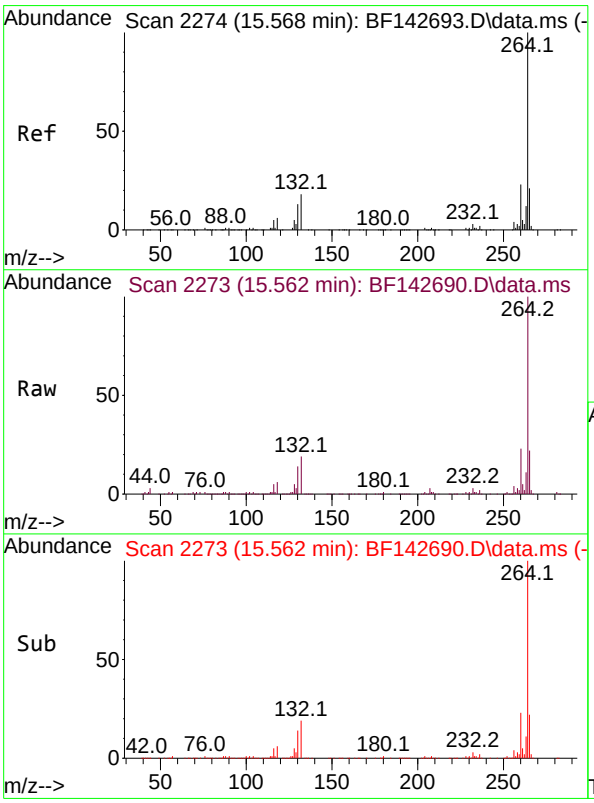
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.844 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 32669

Ion	Ratio	Lower	Upper
149	100		
167	28.4	21.9	32.9
279	4.4	3.6	5.4

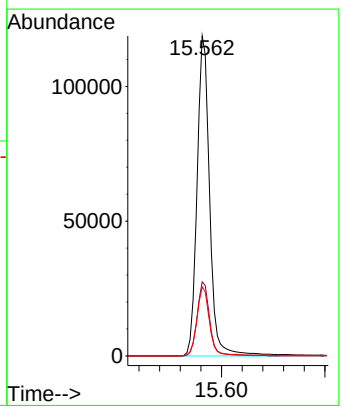


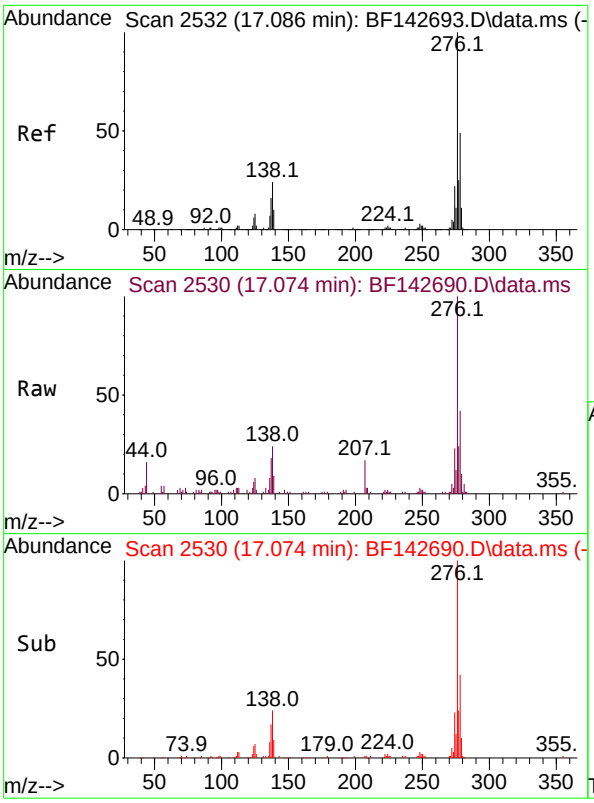


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:264 Resp: 200570

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.0	25.4



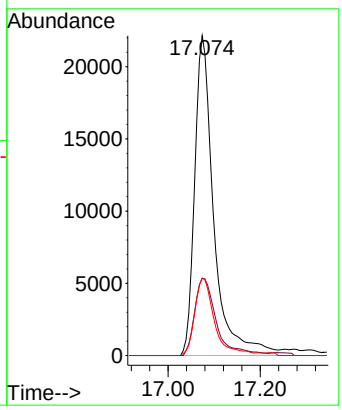


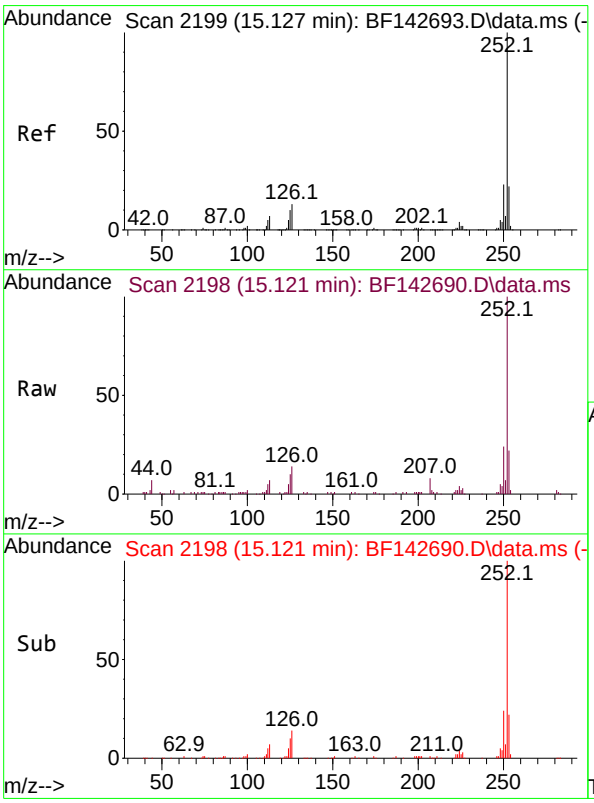
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.499 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 63824

Ion	Ratio	Lower	Upper
276	100		
138	27.5	20.8	31.2
277	25.1	20.2	30.2

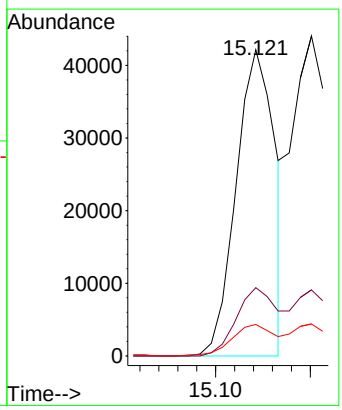


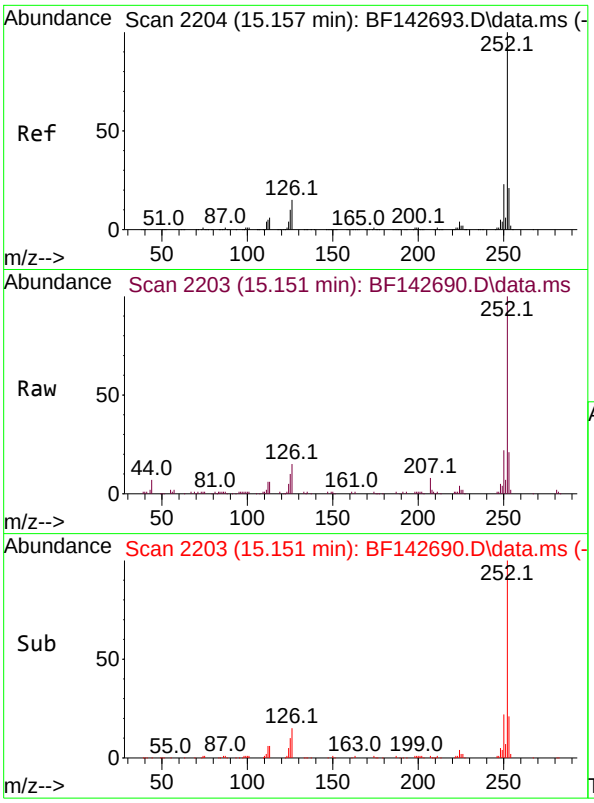


#88
Benzo(b)fluoranthene
Concen: 5.004 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:252 Resp: 59968

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.3	7.8	11.8



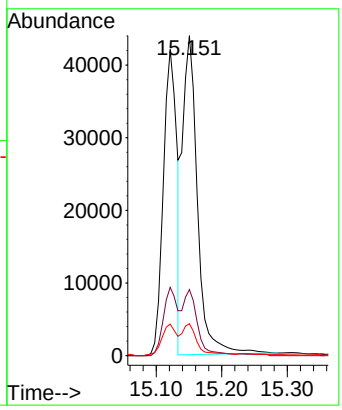


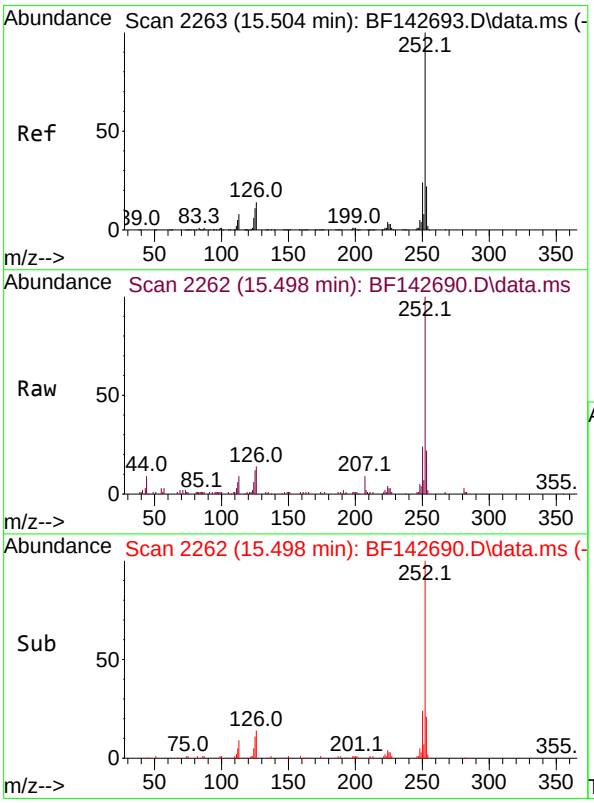
#89
Benzo(k)fluoranthene
Concen: 6.209 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 70016

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.4	26.0
125	10.0	7.7	11.5

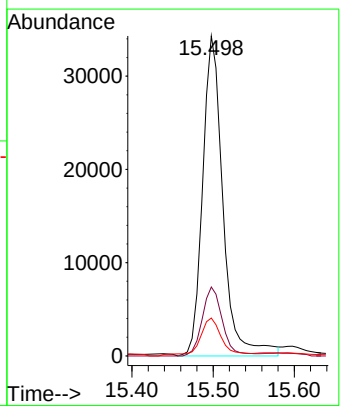


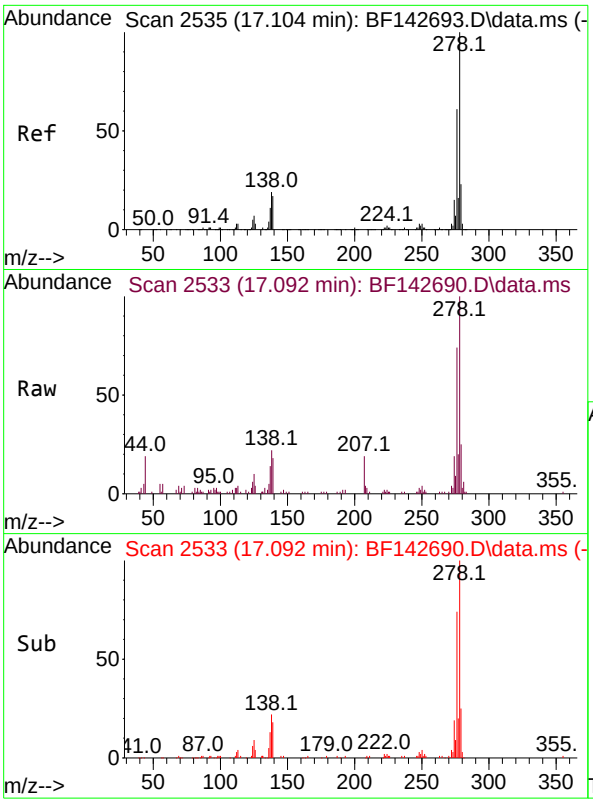


#90
Benzo(a)pyrene
Concen: 5.328 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:252 Resp: 59831

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	11.8	8.8	13.2



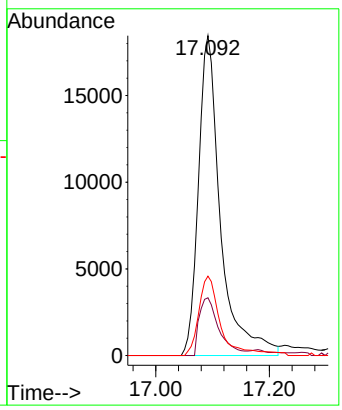


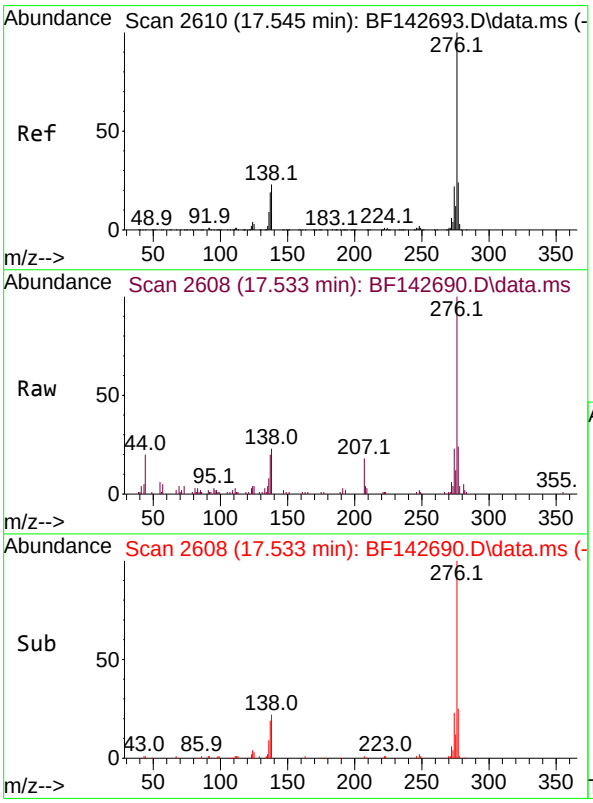
#91
Dibenzo(a,h)anthracene
Concen: 4.368 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 49885

Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.4	20.0
279	24.8	18.7	28.1

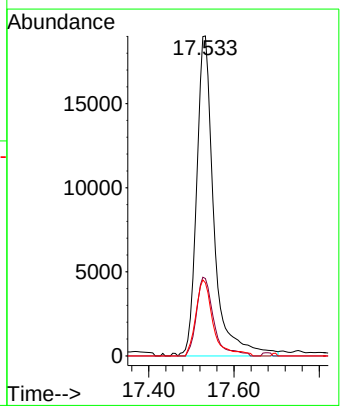




#92
Benzo(g,h,i)perylene
Concen: 4.529 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF142690.D
Acq: 09 Jun 2025 13:38

Tgt Ion:276 Resp: 53563

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	22.8	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142691.D
Acq On : 09 Jun 2025 14:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 09 17:24:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	102206	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	372079	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	201241	20.000	ng		0.00
64) Phenanthrene-d10	11.421	188	362826	20.000	ng		0.00
76) Chrysene-d12	14.068	240	275728	20.000	ng		0.00
86) Perylene-d12	15.562	264	204099	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	124184	20.631	ng		0.00
7) Phenol-d6	6.516	99	140564	19.913	ng		0.00
23) Nitrobenzene-d5	7.451	82	135434	20.004	ng		-0.01
42) 2,4,6-Tribromophenol	10.722	330	44610	19.730	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	324487	22.051	ng		0.00
79) Terphenyl-d14	13.010	244	351566	20.165	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	22755	9.872	ng		98
3) Pyridine	3.457	79	56705	9.539	ng		98
4) n-Nitrosodimethylamine	3.387	42	27189	9.397	ng		99
6) Aniline	6.551	93	93143	9.828	ng		99
8) 2-Chlorophenol	6.675	128	65805	10.020	ng		99
9) Benzaldehyde	6.445	77	46410	11.662	ng		96
10) Phenol	6.528	94	79000	9.994	ng		94
11) bis(2-Chloroethyl)ether	6.622	93	57477	9.981	ng		99
12) 1,3-Dichlorobenzene	6.834	146	74080	10.072	ng		99
13) 1,4-Dichlorobenzene	6.910	146	75552	10.047	ng		100
14) 1,2-Dichlorobenzene	7.063	146	66749	9.309	ng		98
15) Benzyl Alcohol	7.028	79	44917	8.699	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	91725	9.782	ng		99
17) 2-Methylphenol	7.139	107	46958	9.325	ng		99
18) Hexachloroethane	7.404	117	26736	10.349	ng		93
19) n-Nitroso-di-n-propyla...	7.298	70	43006	10.393	ng		97
20) 3+4-Methylphenols	7.298	107	62706	10.111	ng	#	79
22) Acetophenone	7.298	105	85722	10.539	ng		98
24) Nitrobenzene	7.475	77	60264	9.870	ng		99
25) Isophorone	7.710	82	113717	10.353	ng		100
26) 2-Nitrophenol	7.792	139	34193	10.152	ng		99
27) 2,4-Dimethylphenol	7.828	122	58973	10.303	ng		97
28) bis(2-Chloroethoxy)met...	7.922	93	74393	10.798	ng		99
29) 2,4-Dichlorophenol	8.033	162	50537	9.637	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	58618	10.248	ng		99
31) Naphthalene	8.198	128	186662	10.181	ng		99
32) Benzoic acid	7.898	122	30090	8.659	ng		94
33) 4-Chloroaniline	8.245	127	76324	10.125	ng		99
34) Hexachlorobutadiene	8.316	225	36350	10.318	ng		98
35) Caprolactam	8.586	113	14727	9.144	ng		94
36) 4-Chloro-3-methylphenol	8.722	107	54824	10.136	ng		99
37) 2-Methylnaphthalene	8.892	142	123271	10.685	ng		99
38) 1-Methylnaphthalene	8.992	142	122257	10.233	ng		100
40) 1,2,4,5-Tetrachloroben...	9.057	216	59641	10.255	ng		99
41) Hexachlorocyclopentadiene	9.045	237	27327	8.001	ng		98
43) 2,4,6-Trichlorophenol	9.169	196	40023	10.488	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142691.D
Acq On : 09 Jun 2025 14:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 09 17:24:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	42127	10.336	ng	97
46) 1,1'-Biphenyl	9.357	154	166083	10.613	ng	98
47) 2-Chloronaphthalene	9.380	162	123036	10.494	ng	99
48) 2-Nitroaniline	9.475	65	33448	9.587	ng	99
49) Acenaphthylene	9.798	152	201264	10.357	ng	99
50) Dimethylphthalate	9.651	163	138398	10.222	ng	100
51) 2,6-Dinitrotoluene	9.716	165	26528	9.057	ng	99
52) Acenaphthene	9.969	154	122682	10.320	ng	98
53) 3-Nitroaniline	9.880	138	31583	9.597	ng	95
54) 2,4-Dinitrophenol	9.992	184	11652	7.185	ng	88
55) Dibenzofuran	10.139	168	180061	10.558	ng	99
56) 4-Nitrophenol	10.045	139	19298	8.531	ng	96
57) 2,4-Dinitrotoluene	10.116	165	39179	9.979	ng	97
58) Fluorene	10.480	166	149476	10.966	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	34011	9.916	ng	98
60) Diethylphthalate	10.351	149	134272	10.215	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	69232	10.743	ng	96
62) 4-Nitroaniline	10.492	138	29512	9.453	ng	98
63) Azobenzene	10.633	77	122238	10.381	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	19854	8.580	ng	98
66) n-Nitrosodiphenylamine	10.592	169	123372	10.532	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	38956	9.714	ng	98
68) Hexachlorobenzene	11.033	284	45386	9.849	ng	99
69) Atrazine	11.116	200	35078	9.874	ng	96
70) Pentachlorophenol	11.227	266	20307	8.013	ng	98
71) Phenanthrene	11.451	178	202355	10.432	ng	98
72) Anthracene	11.498	178	209829	10.424	ng	99
73) Carbazole	11.657	167	188427	10.396	ng	100
74) Di-n-butylphthalate	11.980	149	183503	9.536	ng	99
75) Fluoranthene	12.639	202	206148	10.608	ng	100
77) Benzidine	12.763	184	90848	9.547	ng	99
78) Pyrene	12.868	202	218773	9.737	ng	99
80) Butylbenzylphthalate	13.480	149	56415	8.154	ng	98
81) Benzo(a)anthracene	14.057	228	172676	9.650	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	51441	8.993	ng	99
83) Chrysene	14.092	228	169082	9.976	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	64954	8.223	ng	99
85) Di-n-octyl phthalate	14.657	149	116791	7.602	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	138884	9.620	ng	99
88) Benzo(b)fluoranthene	15.121	252	114500	9.390	ng	99
89) Benzo(k)fluoranthene	15.151	252	108461	9.452	ng	99
90) Benzo(a)pyrene	15.498	252	112373	9.834	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	112016	9.638	ng	100
92) Benzo(g,h,i)perylene	17.533	276	112108	9.315	ng	100

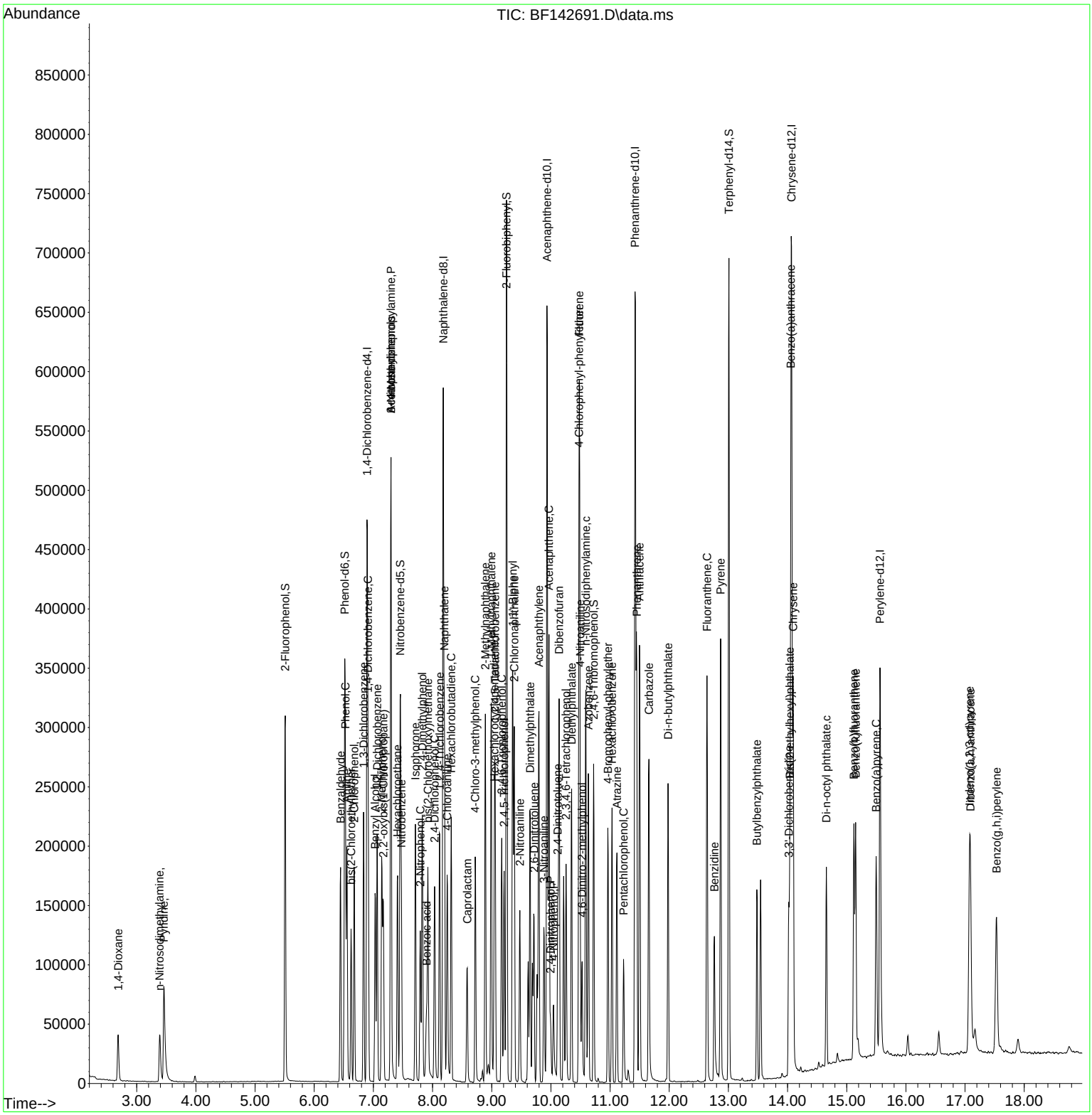
(#) = qualifier out of range (m) = manual integration (+) = signals summed

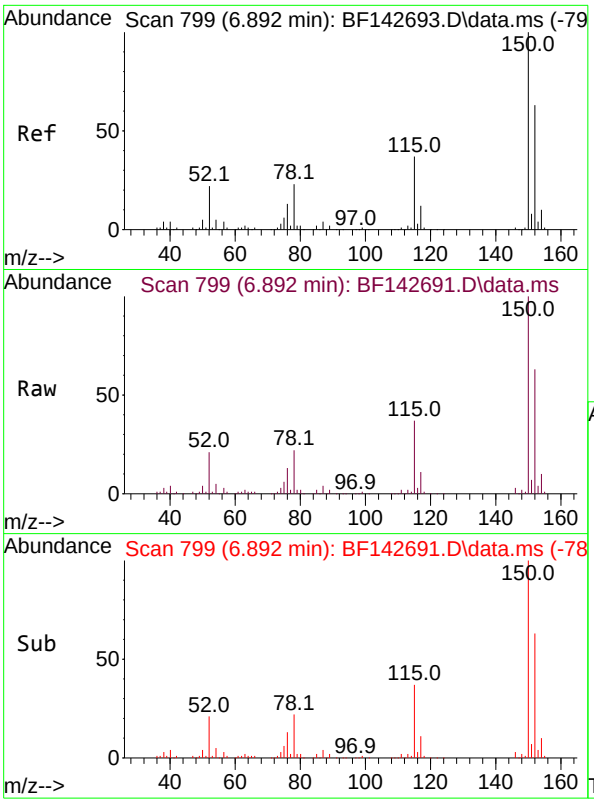
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142691.D
Acq On : 09 Jun 2025 14:07
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 09 17:24:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



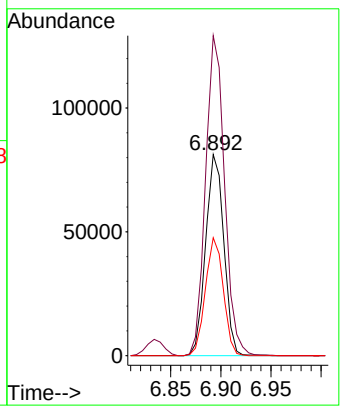


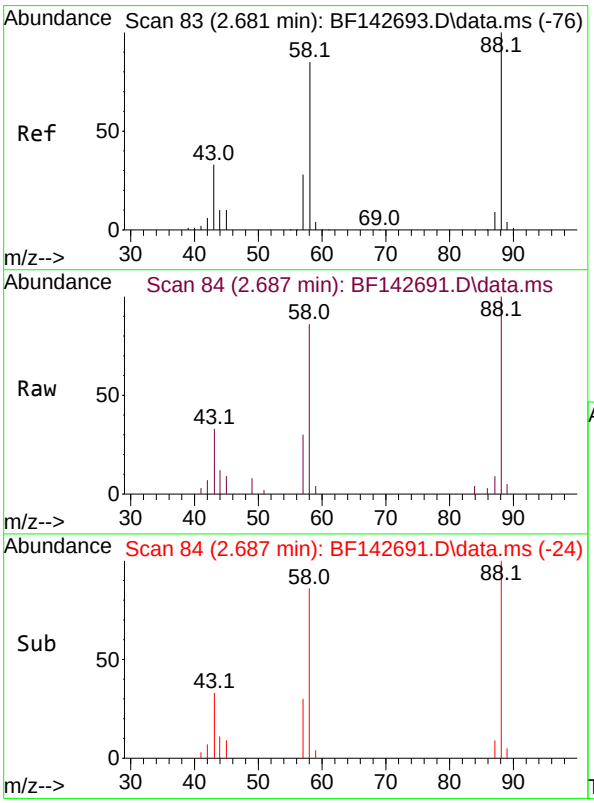
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 102206

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.8	190.2
115	58.6	46.8	70.2

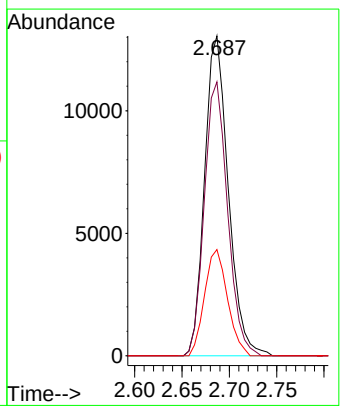


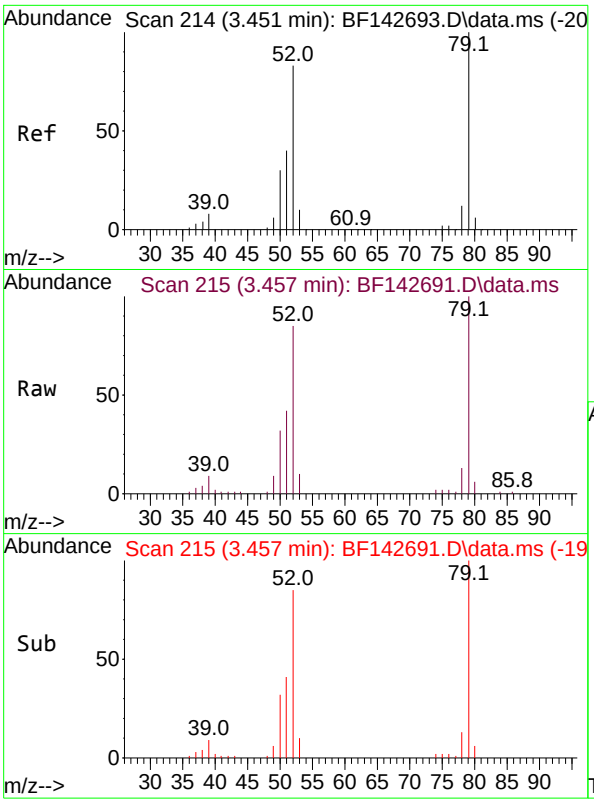


#2
1,4-Dioxane
Concen: 9.872 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 88 Resp: 22755

Ion	Ratio	Lower	Upper
88	100		
58	84.1	69.2	103.8
43	32.2	26.3	39.5



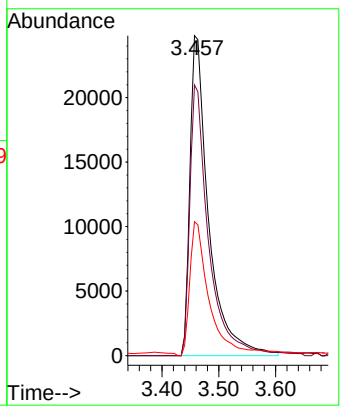


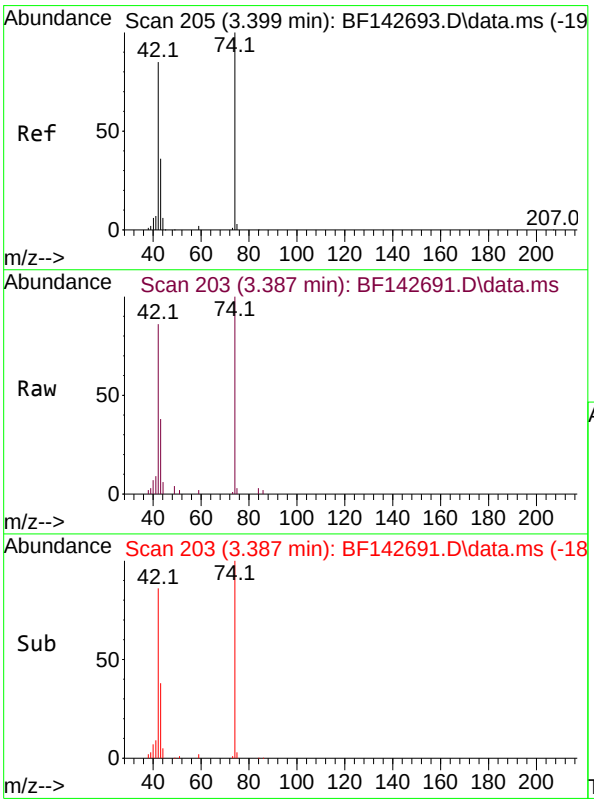
#3
Pyridine
Concen: 9.539 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 56705

Ion	Ratio	Lower	Upper
79	100		
52	84.6	66.6	99.8
51	41.8	31.7	47.5

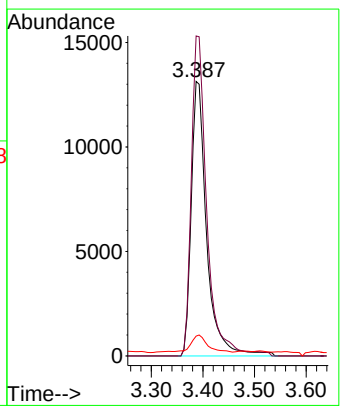


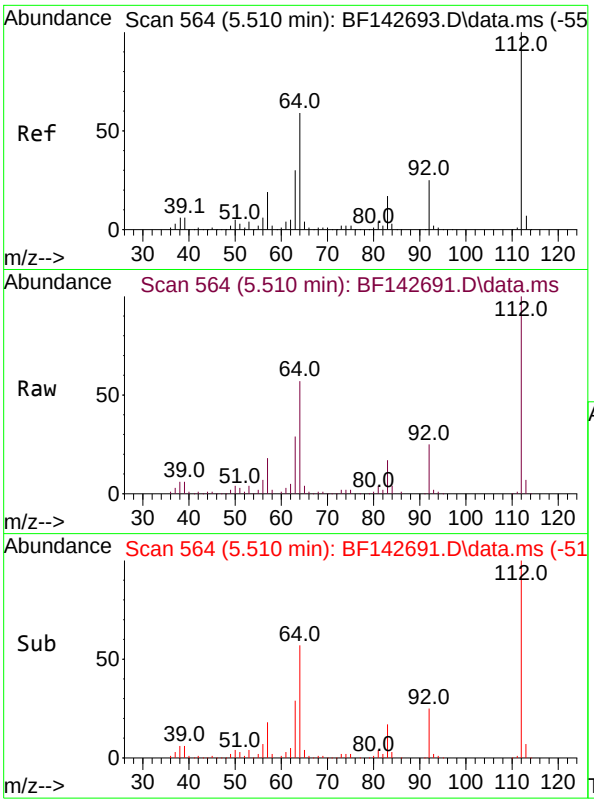


#4
n-Nitrosodimethylamine
Concen: 9.397 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 42 Resp: 27189

Ion	Ratio	Lower	Upper
42	100		
74	116.6	94.5	141.7
44	7.2	5.6	8.4



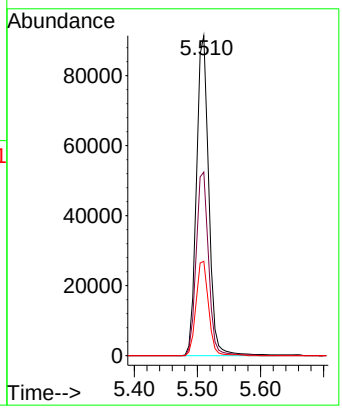


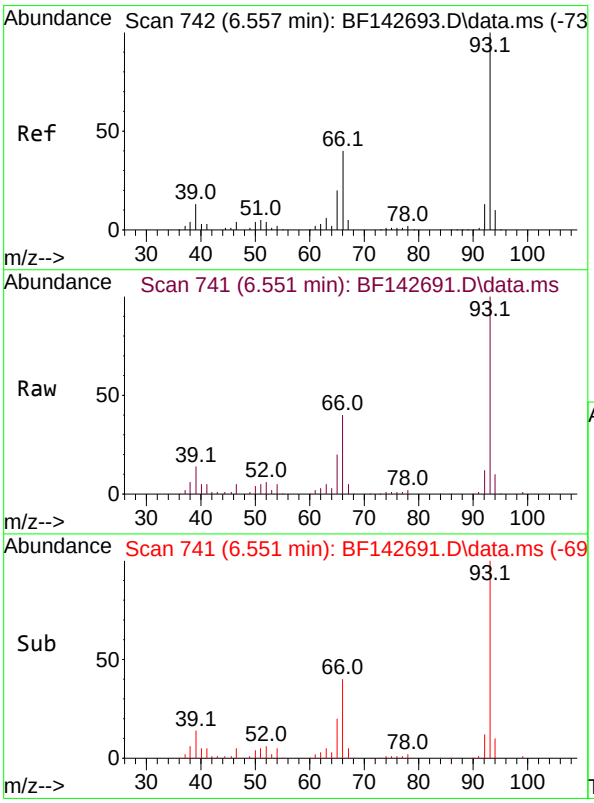
#5
2-Fluorophenol
Concen: 20.631 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 124184

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.9	70.3
63	29.5	24.3	36.5

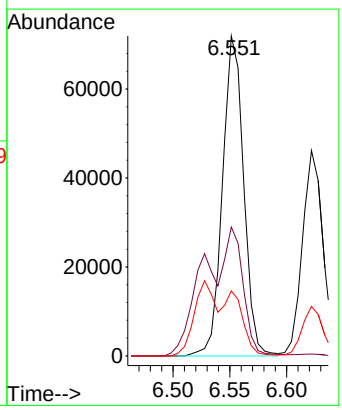


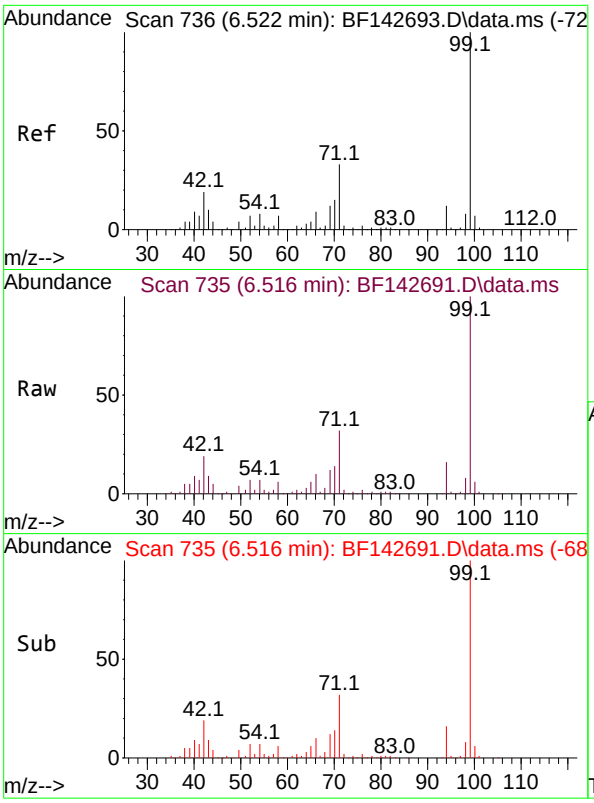


#6
Aniline
Concen: 9.828 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 93 Resp: 93143

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.8	49.2
65	20.3	16.4	24.6



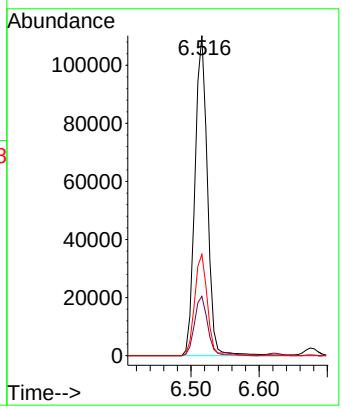


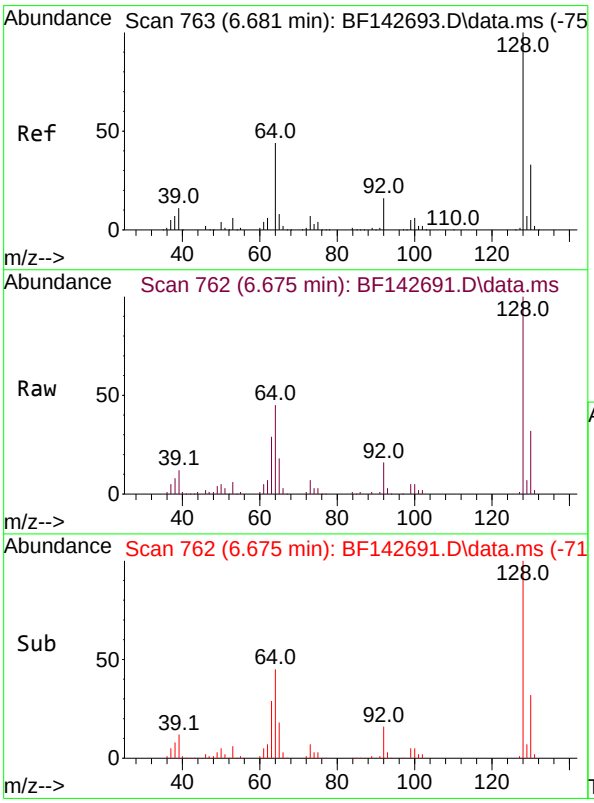
#7
Phenol-d6
Concen: 19.913 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 140564

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.3	22.9
71	31.6	26.3	39.5

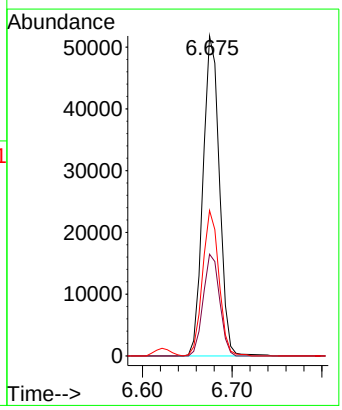


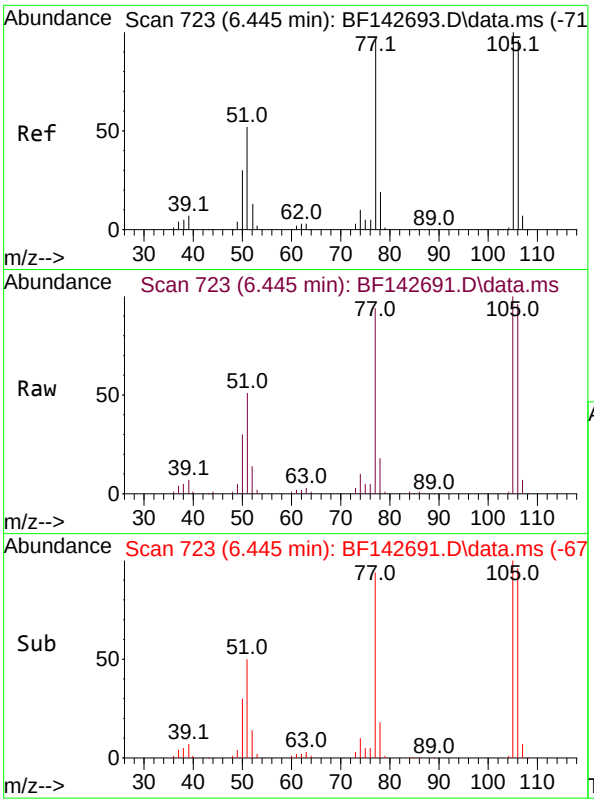


#8
2-Chlorophenol
Concen: 10.020 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:128 Resp: 65805

Ion	Ratio	Lower	Upper
128	100		
130	31.8	13.3	53.3
64	45.4	25.4	65.4



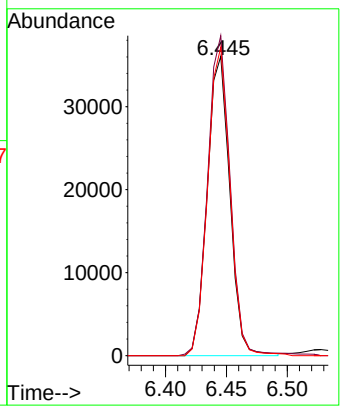


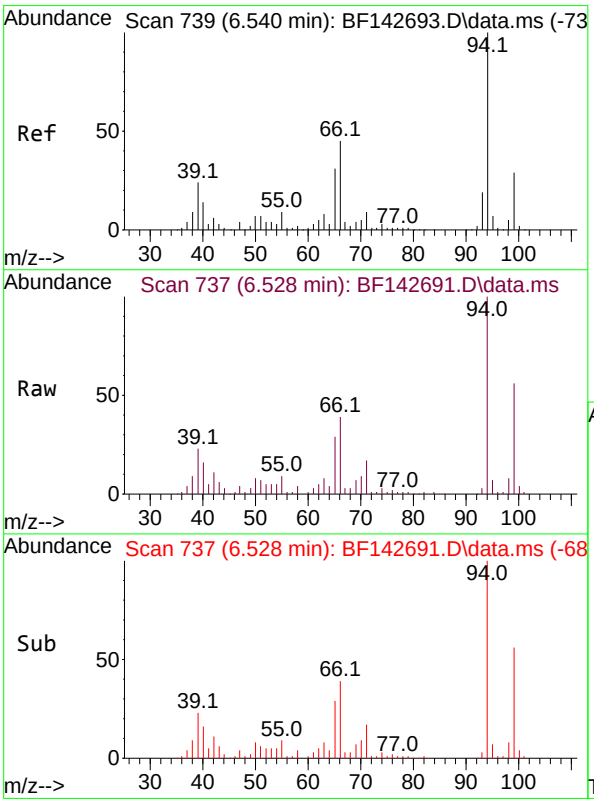
#9
Benzaldehyde
Concen: 11.662 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 46410

Ion	Ratio	Lower	Upper
77	100		
105	106.9	83.2	123.2
106	103.1	78.7	118.7

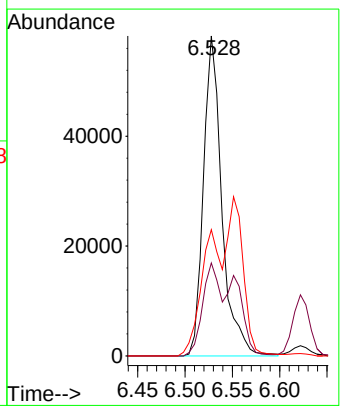


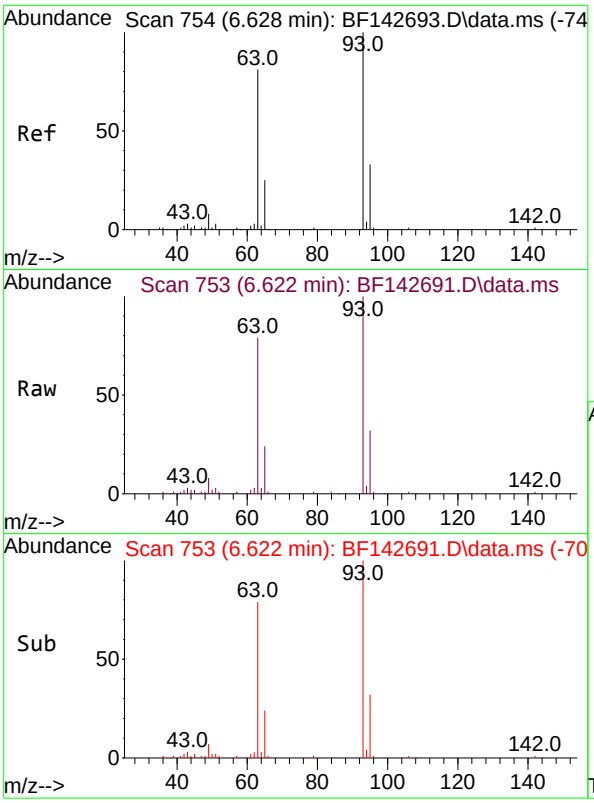


#10
Phenol
Concen: 9.994 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 94 Resp: 79000

Ion	Ratio	Lower	Upper
94	100		
65	29.0	11.0	51.0
66	39.4	24.9	64.9



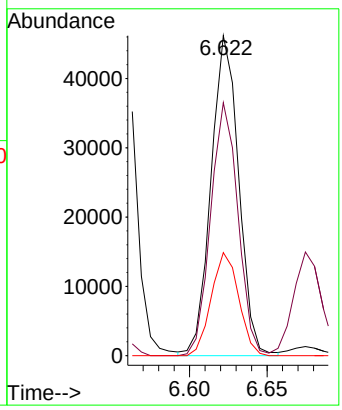


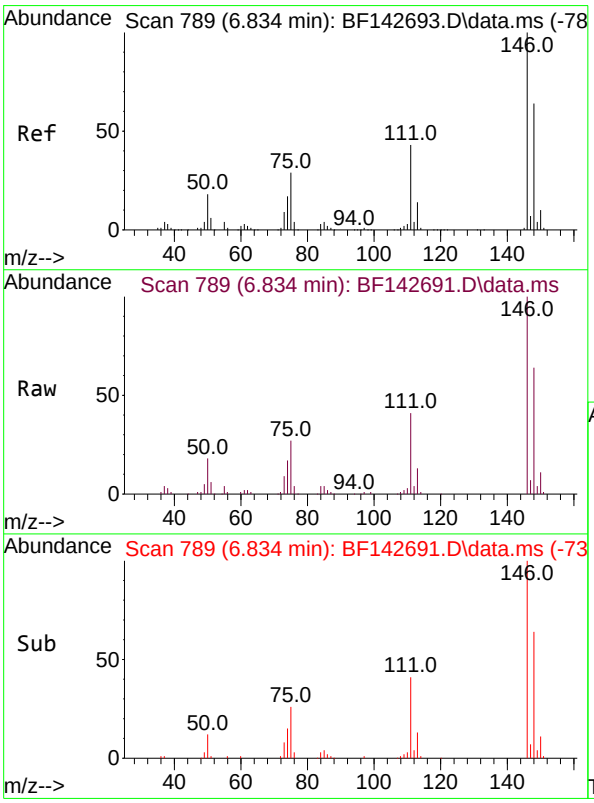
#11
bis(2-Chloroethyl)ether
Concen: 9.981 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 57477

Ion	Ratio	Lower	Upper
93	100		
63	79.0	60.0	100.0
95	32.2	12.2	52.2

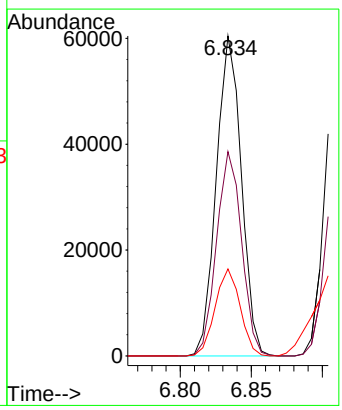


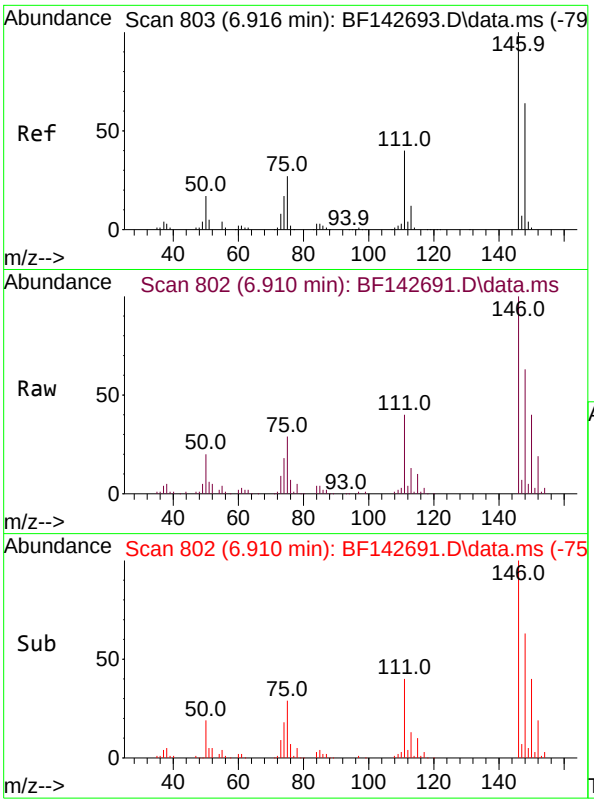


#12
1,3-Dichlorobenzene
Concen: 10.072 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:146 Resp: 74080

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
75	27.2	23.1	34.7



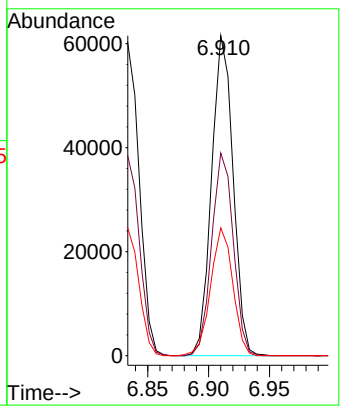


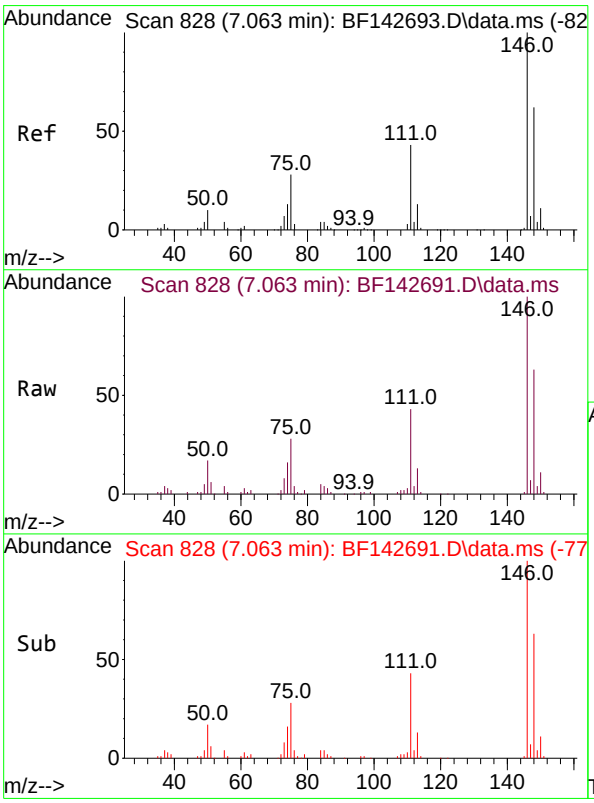
#13
1,4-Dichlorobenzene
Concen: 10.047 ng
RT: 6.910 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 75552

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
111	39.9	31.8	47.8

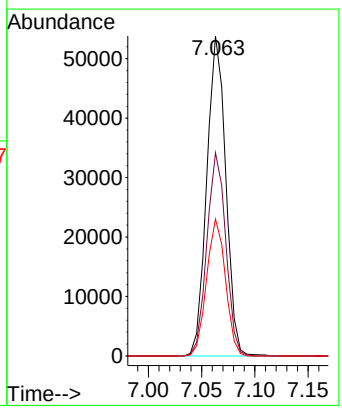


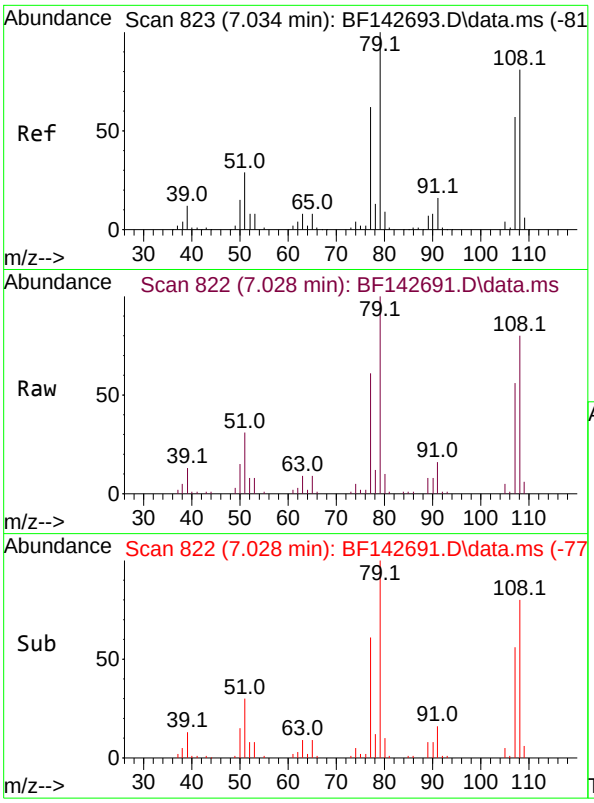


#14
1,2-Dichlorobenzene
Concen: 9.309 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:146 Resp: 66749

Ion	Ratio	Lower	Upper
146	100		
148	63.5	49.3	73.9
111	42.8	34.1	51.1



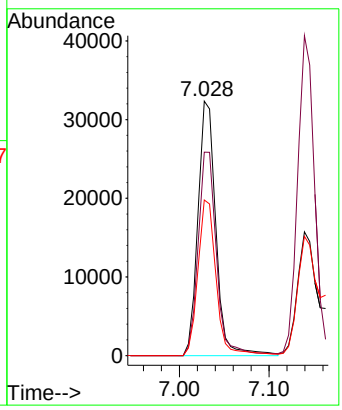


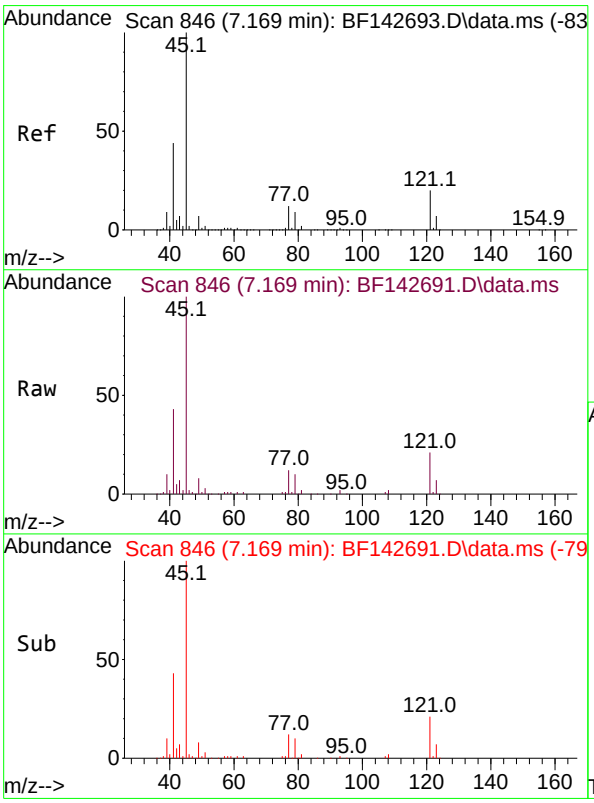
#15
Benzyl Alcohol
Concen: 8.699 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 44917

Ion	Ratio	Lower	Upper
79	100		
108	79.9	64.8	97.2
77	61.1	49.4	74.2

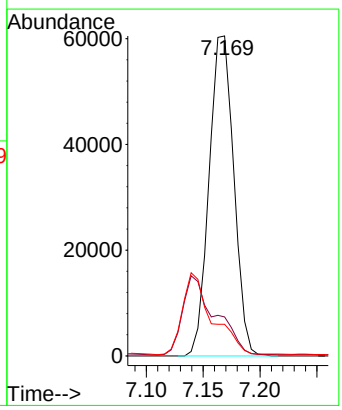


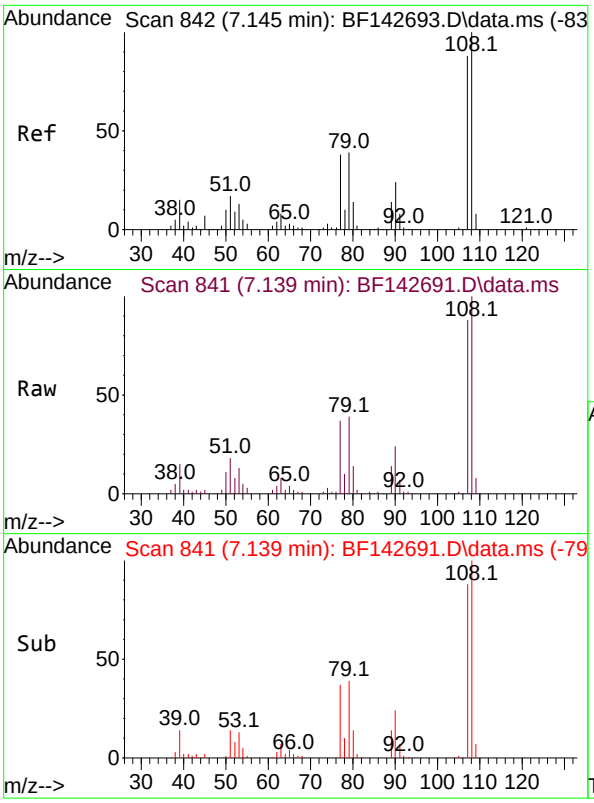


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.782 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 45 Resp: 91725

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	32.8
79	9.9	0.0	30.3



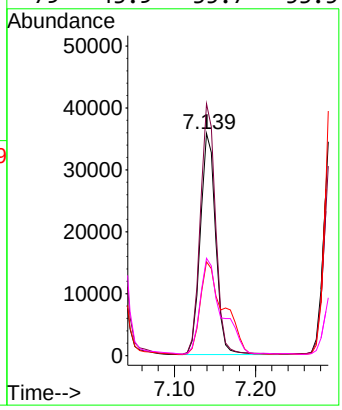


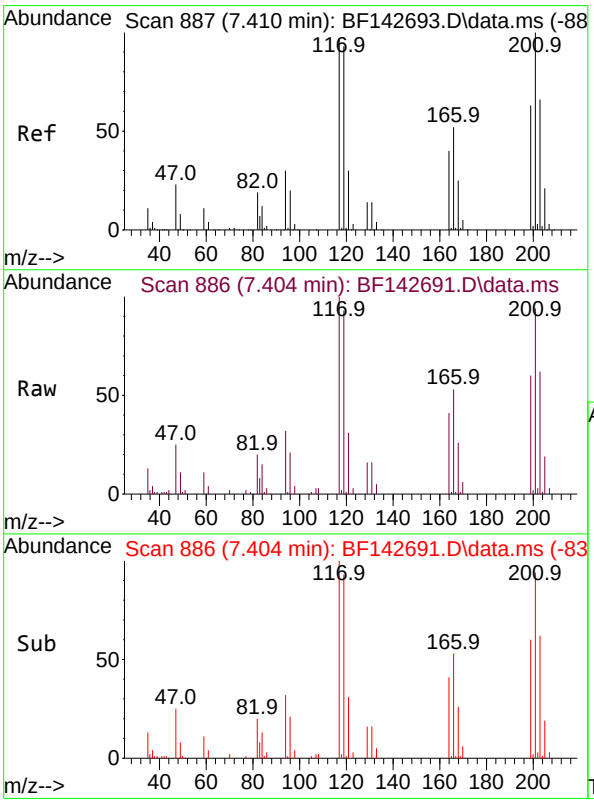
#17
2-Methylphenol
Concen: 9.325 ng
RT: 7.139 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 46958

Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.0	136.4
77	42.3	34.9	52.3
79	43.9	35.7	53.5

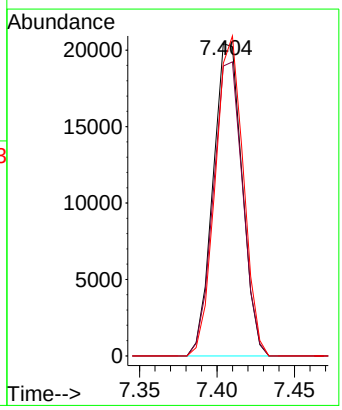


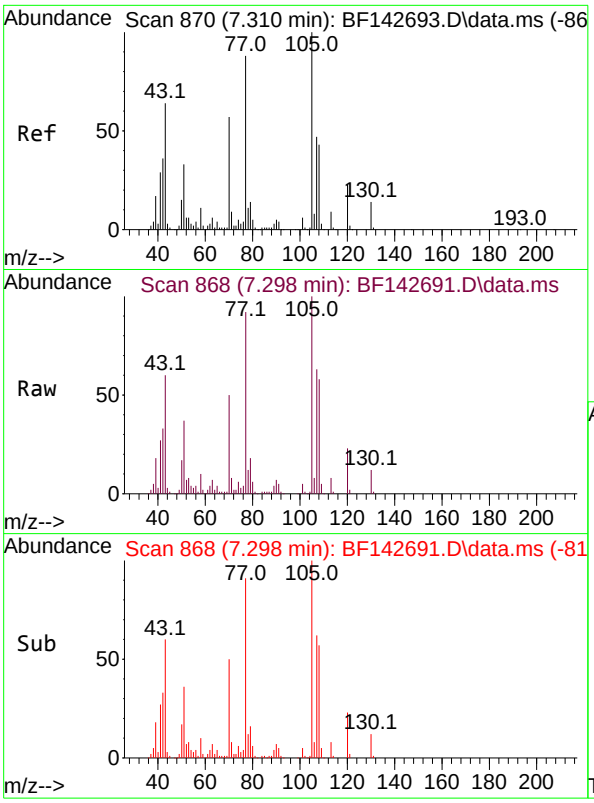


#18
Hexachloroethane
Concen: 10.349 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:117 Resp: 26736

Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.1	115.7
201	93.7	82.6	123.8



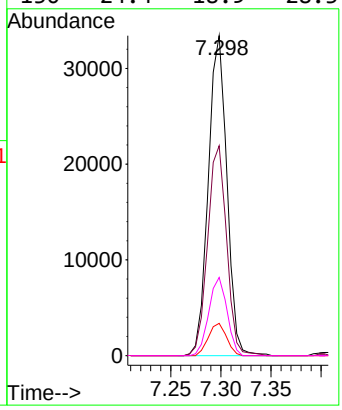


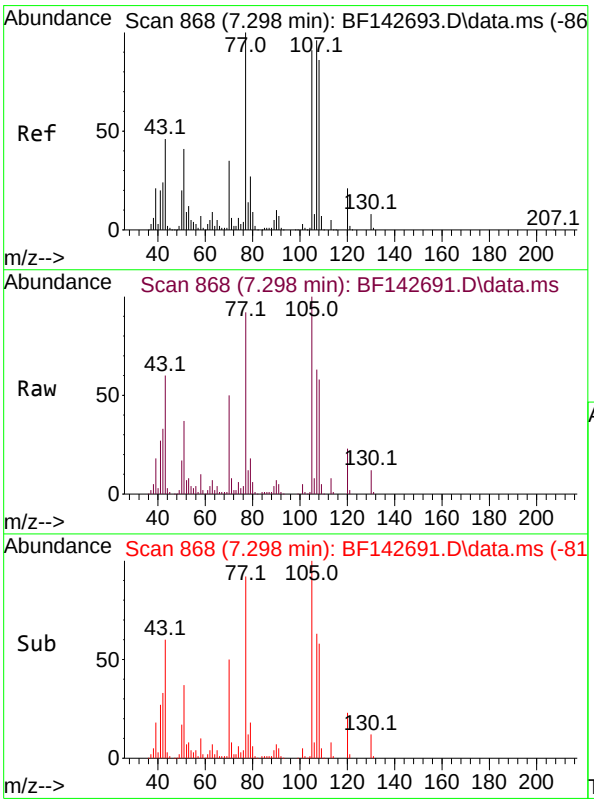
#19
n-Nitroso-di-n-propylamine
Concen: 10.393 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 43006

Ion	Ratio	Lower	Upper
70	100		
42	65.6	50.1	75.1
101	10.1	8.1	12.1
130	24.4	18.9	28.3

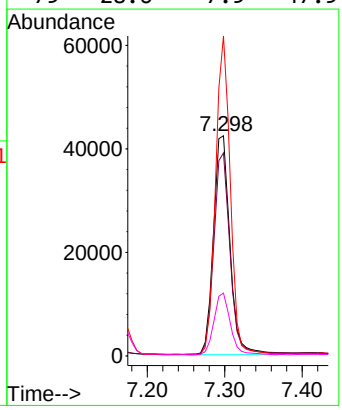


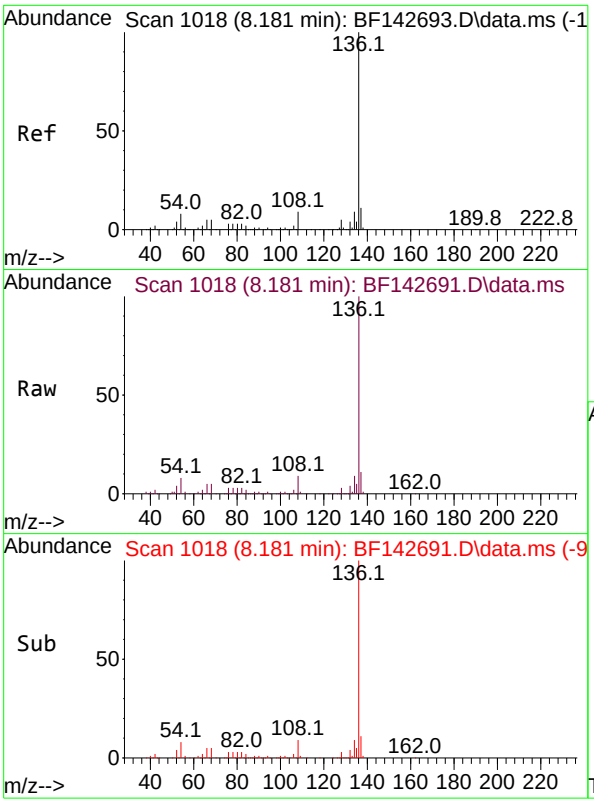


#20
3+4-Methylphenols
Concen: 10.111 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:107 Resp: 62706

Ion	Ratio	Lower	Upper
107	100		
108	92.2	69.5	109.5
77	145.4	83.6	123.6#
79	28.6	7.9	47.9



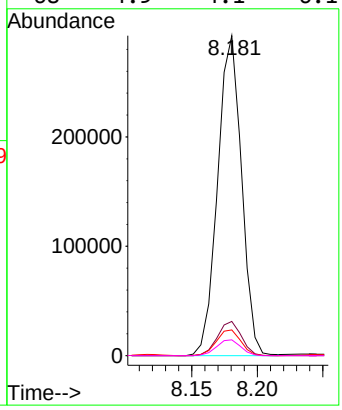


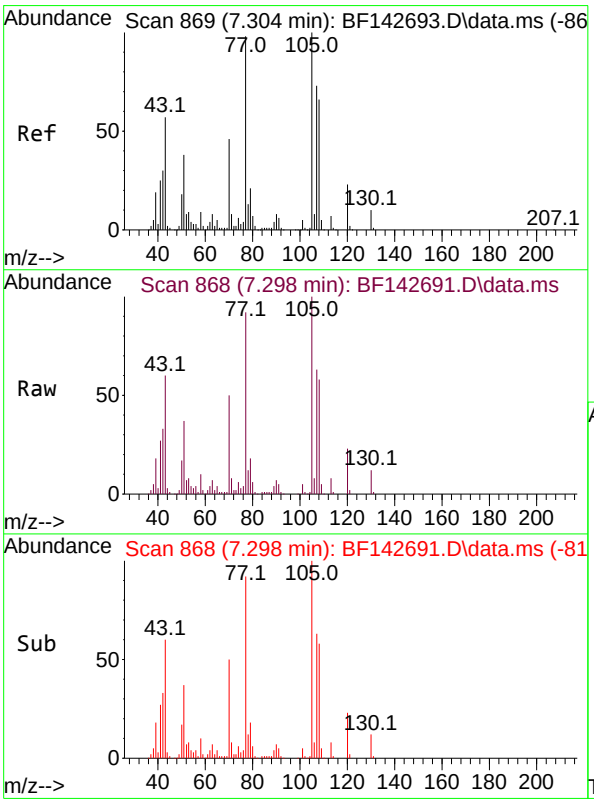
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 372079

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.0	6.4	9.6
68	4.9	4.1	6.1

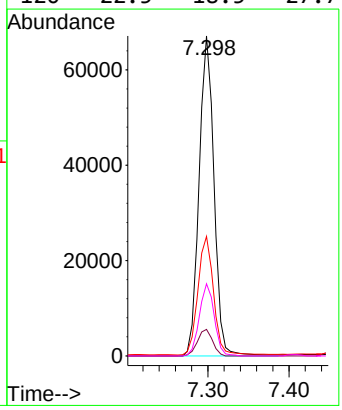


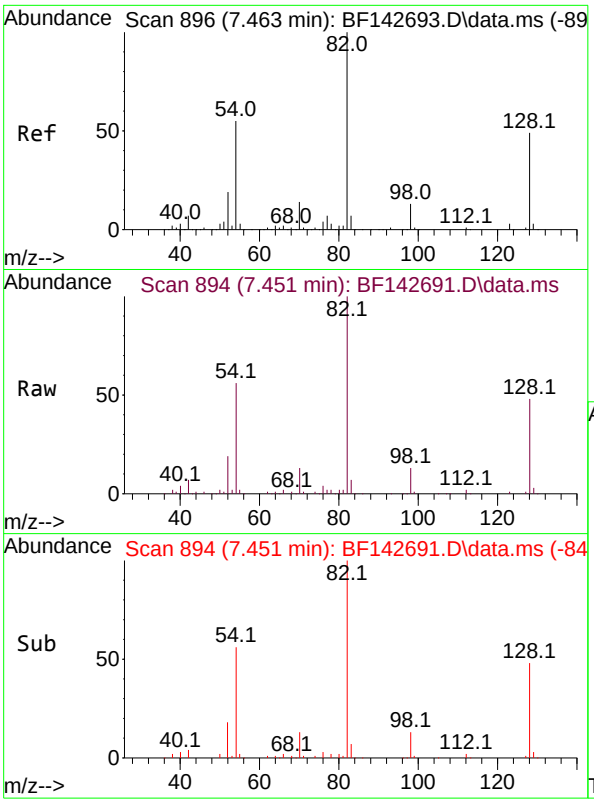


#22
Acetophenone
Concen: 10.539 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:105 Resp: 85722

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.2	9.2
51	37.3	30.8	46.2
120	22.5	18.5	27.7



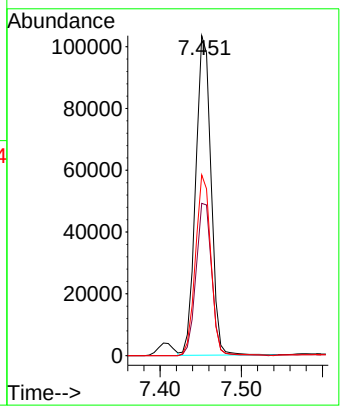


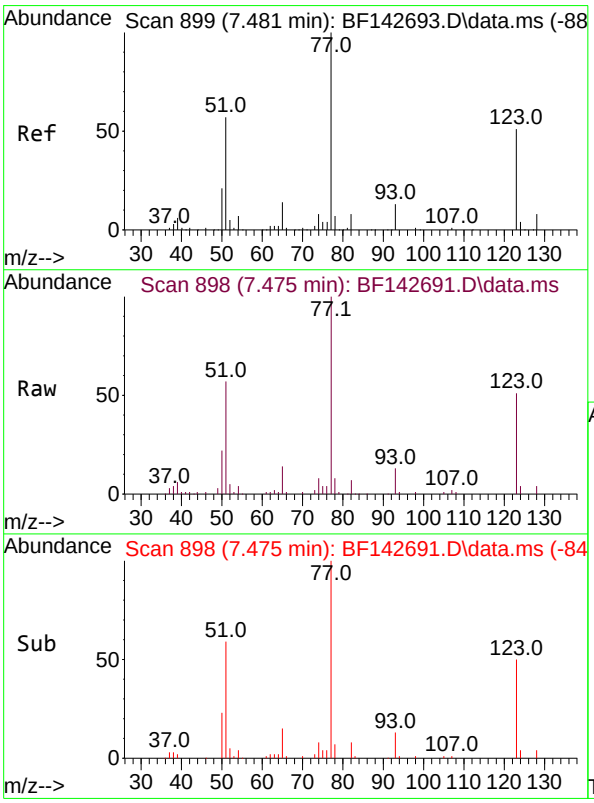
#23
Nitrobenzene-d5
Concen: 20.004 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 135434

Ion	Ratio	Lower	Upper
82	100		
128	47.6	39.3	58.9
54	56.5	44.2	66.2

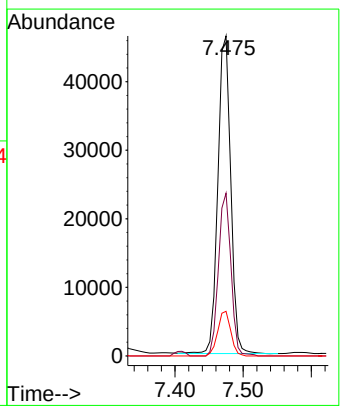


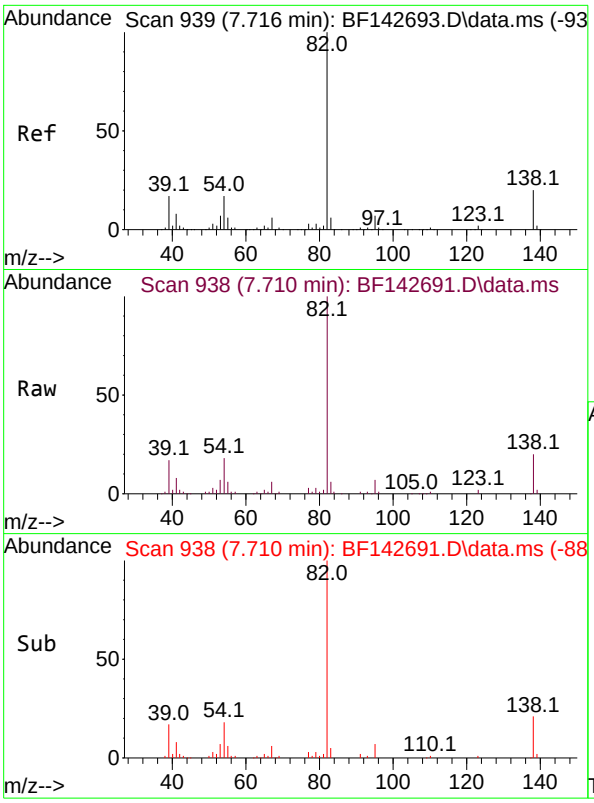


#24
Nitrobenzene
Concen: 9.870 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 77 Resp: 60264

Ion	Ratio	Lower	Upper
77	100		
123	50.8	41.3	61.9
65	13.9	11.2	16.8



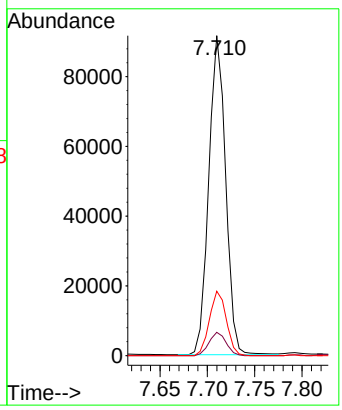


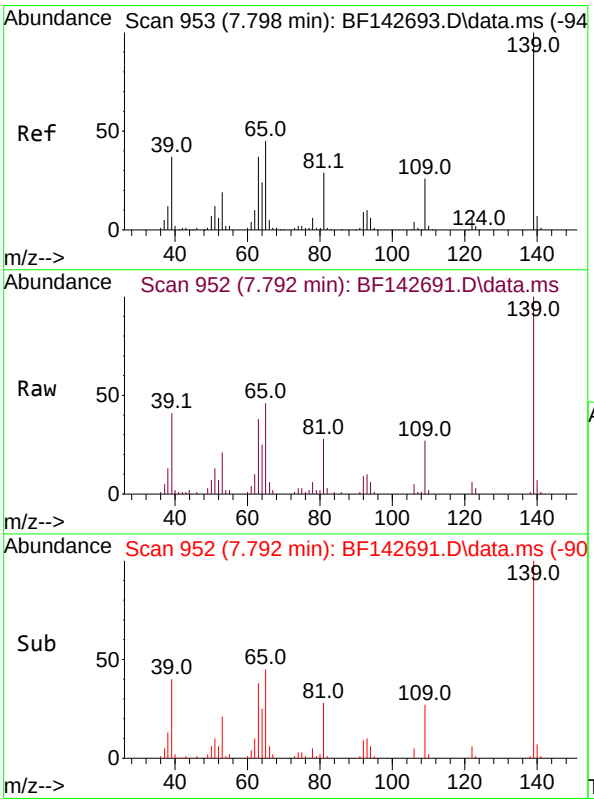
#25
Isophorone
Concen: 10.353 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 113717

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.9	8.9
138	20.1	16.1	24.1

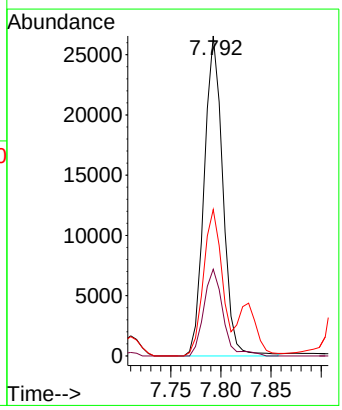


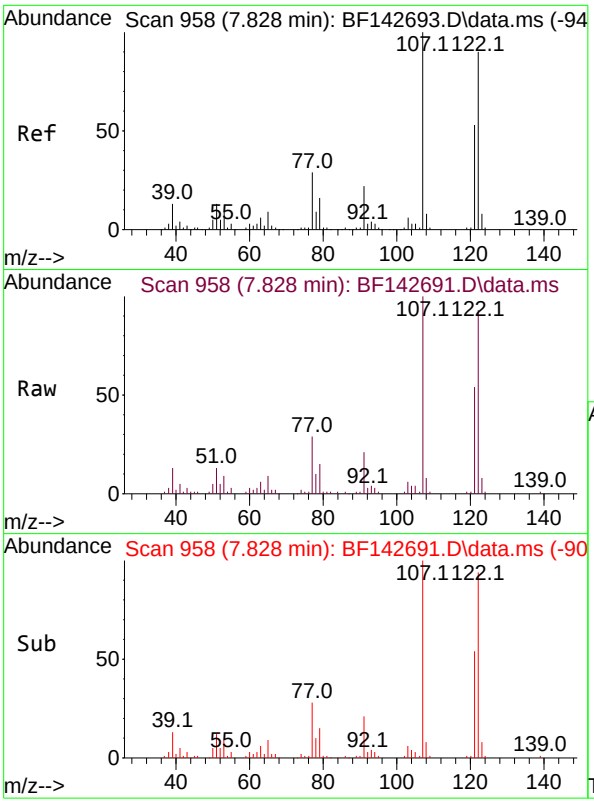


#26
2-Nitrophenol
Concen: 10.152 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:139 Resp: 34193

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.0	31.6
65	45.7	36.2	54.2



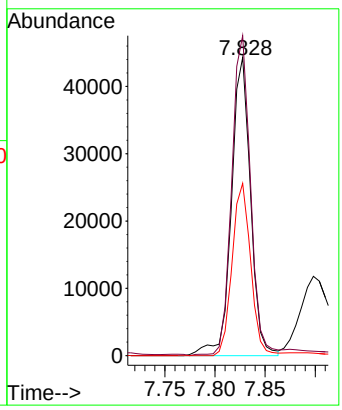


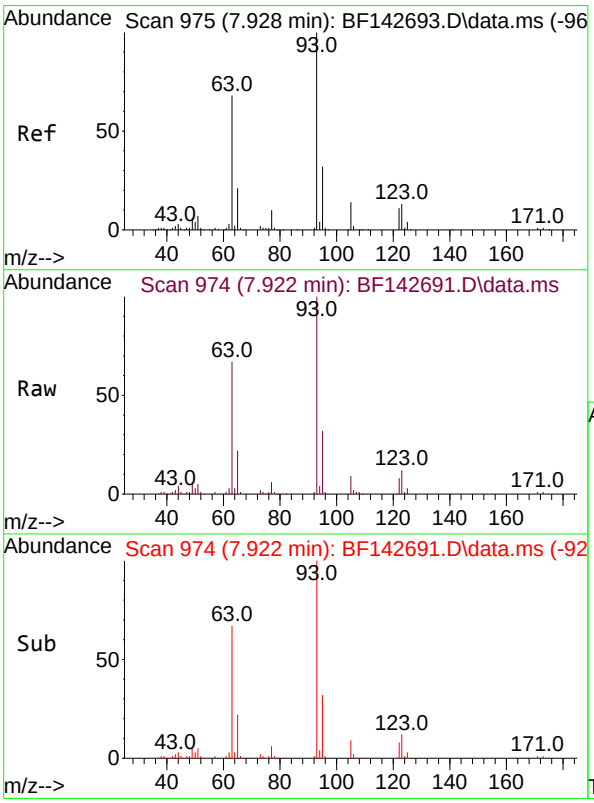
#27
2,4-Dimethylphenol
Concen: 10.303 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 58973

Ion	Ratio	Lower	Upper
122	100		
107	107.3	89.4	134.2
121	57.8	47.1	70.7

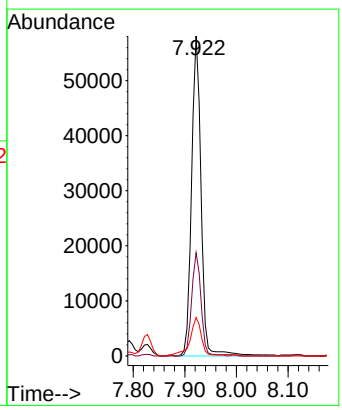


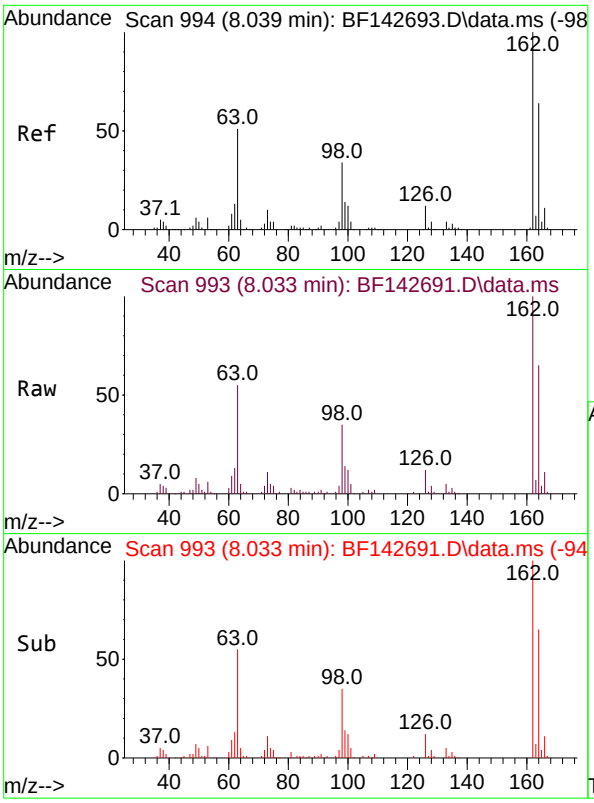


#28
bis(2-Chloroethoxy)methane
Concen: 10.798 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 93 Resp: 74393

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.2
123	12.0	10.5	15.7



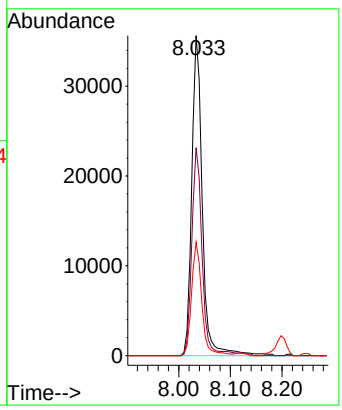


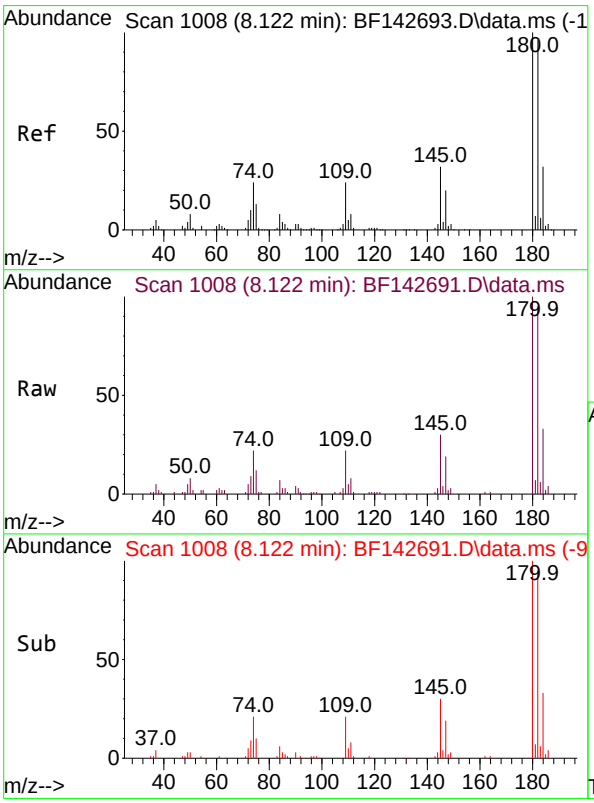
#29
2,4-Dichlorophenol
Concen: 9.637 ng
RT: 8.033 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 50537

Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.0	84.0
98	35.5	14.4	54.4

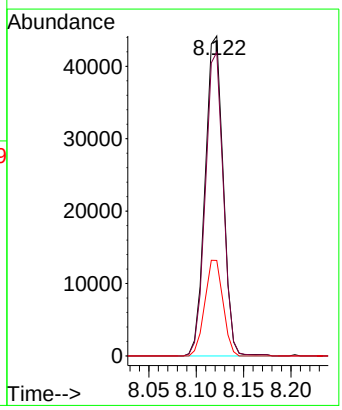


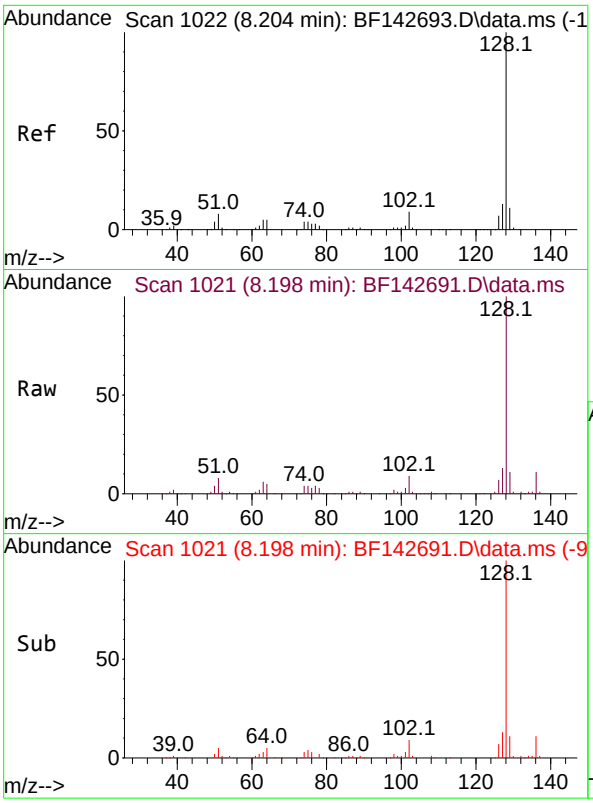


#30
1,2,4-Trichlorobenzene
Concen: 10.248 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:180 Resp: 58618

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	29.8	25.4	38.0



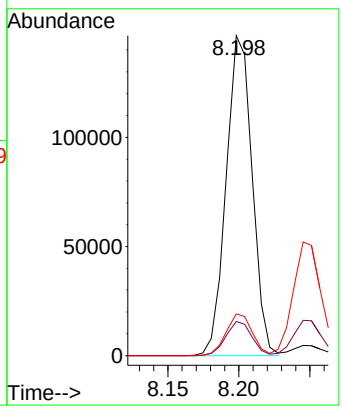


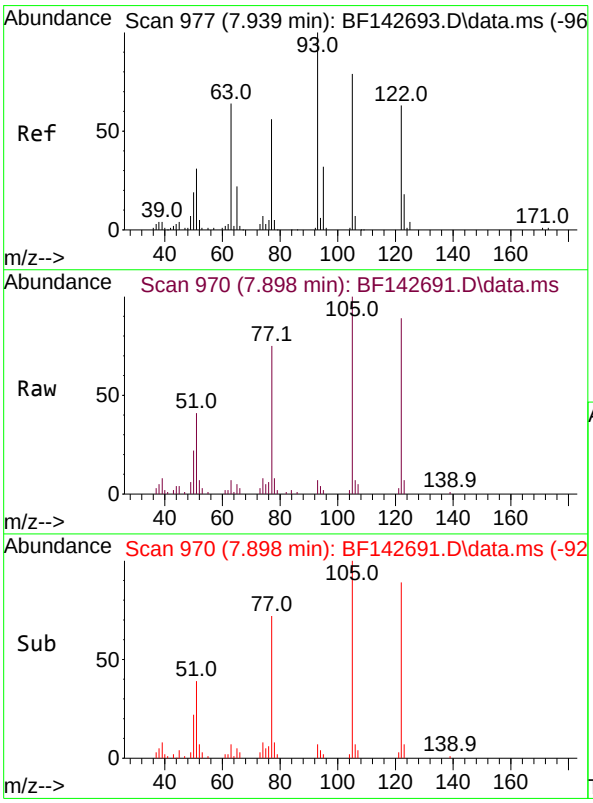
#31
Naphthalene
Concen: 10.181 ng
RT: 8.198 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 186662

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.0	10.6	15.8

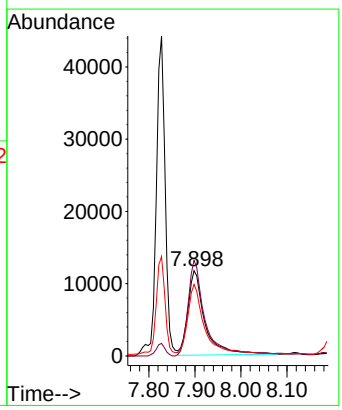


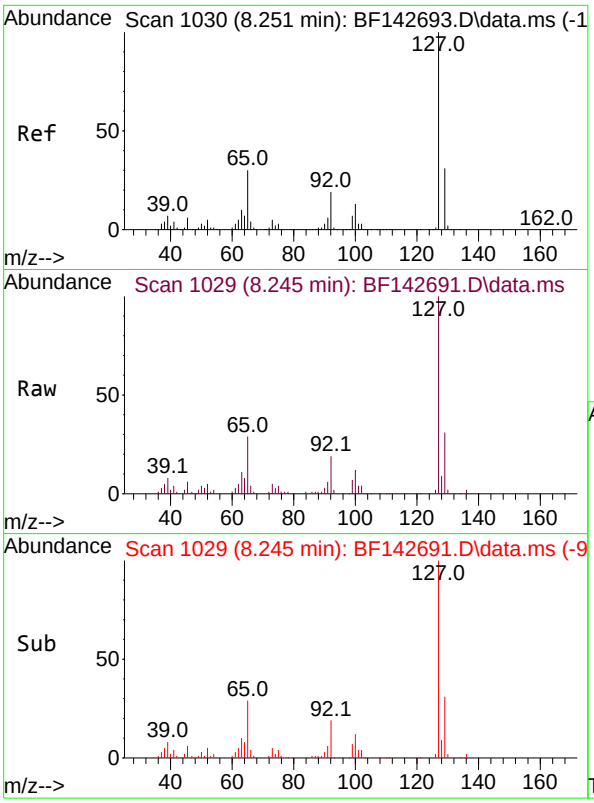


#32
Benzoic acid
Concen: 8.659 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.041 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:122 Resp: 30090

Ion	Ratio	Lower	Upper
122	100		
105	112.3	100.3	140.3
77	83.8	67.9	107.9



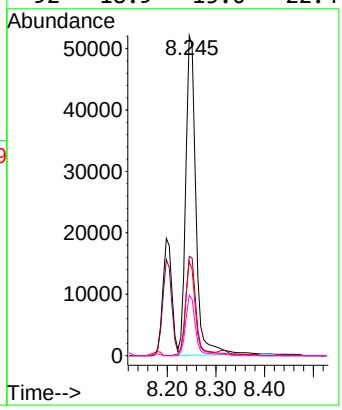


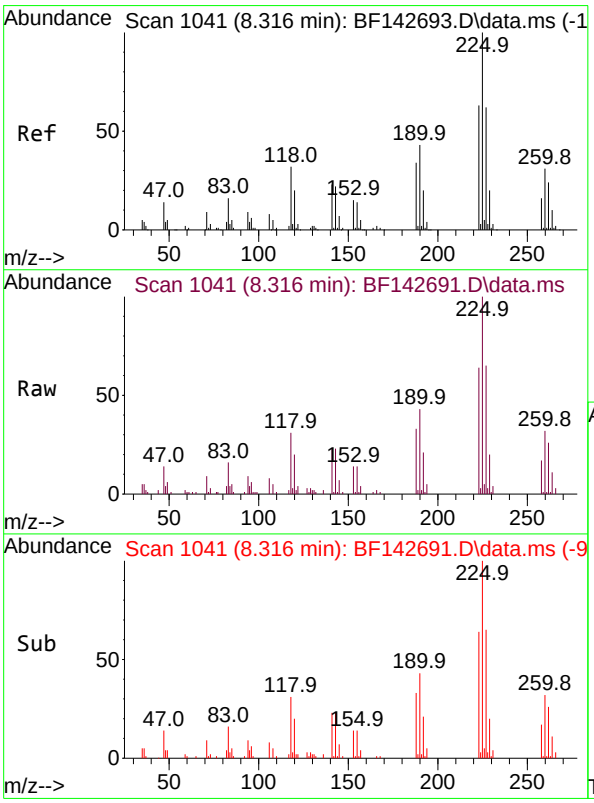
#33
4-Chloroaniline
Concen: 10.125 ng
RT: 8.245 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 76324

Ion	Ratio	Lower	Upper
127	100		
129	31.0	26.1	39.1
65	29.4	23.8	35.6
92	18.9	15.0	22.4

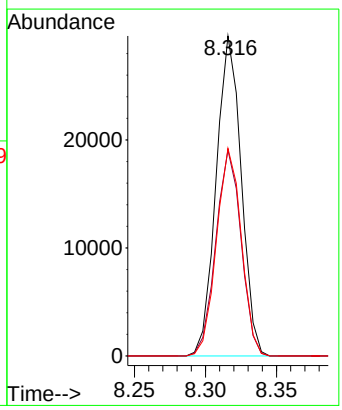


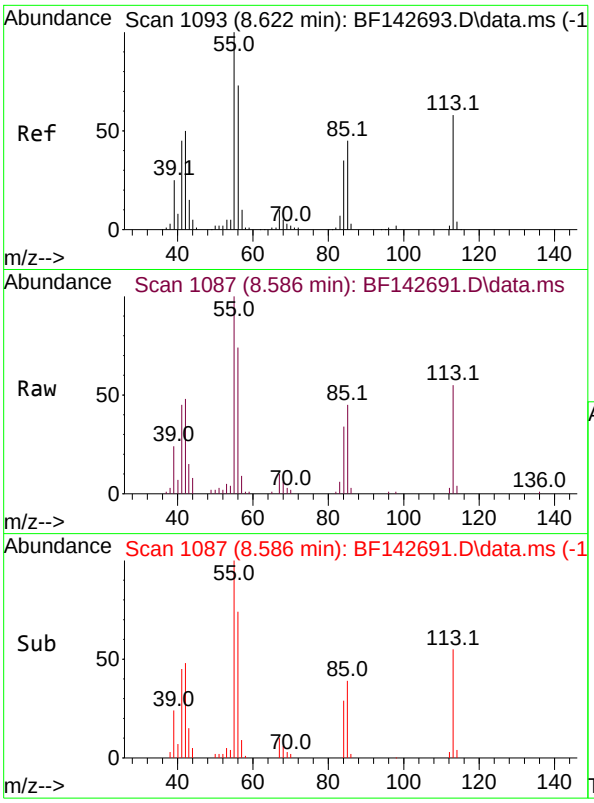


#34
Hexachlorobutadiene
Concen: 10.318 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:225 Resp: 36350

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.7	76.1
227	64.8	49.8	74.8



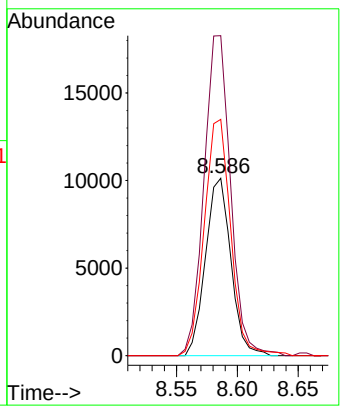


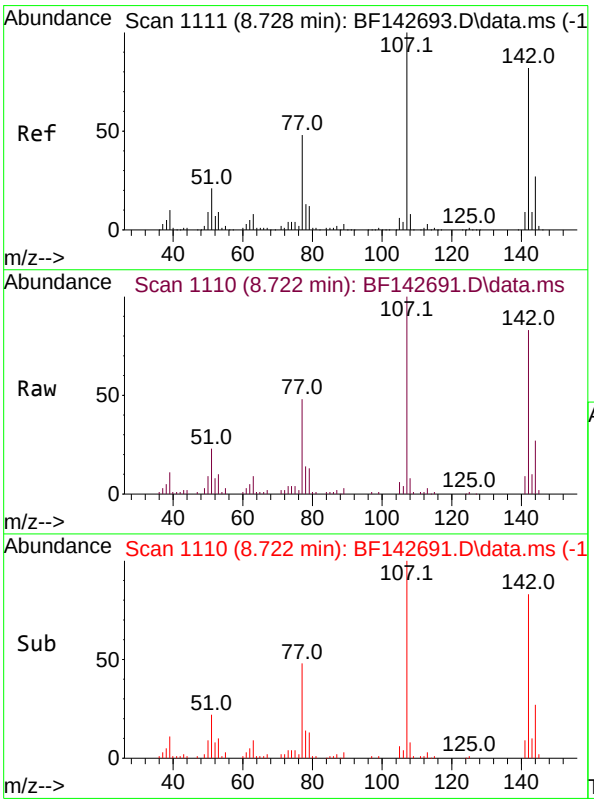
#35
Caprolactam
Concen: 9.144 ng
RT: 8.586 min Scan# 10
Delta R.T. -0.035 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 14727

Ion	Ratio	Lower	Upper
113	100		
55	180.4	152.9	192.9
56	133.1	106.6	146.6

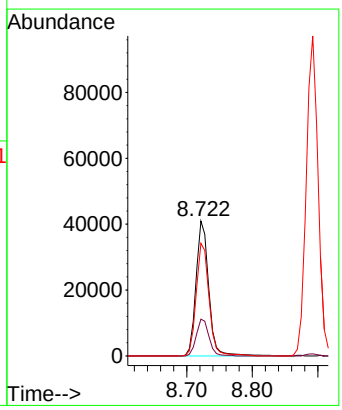


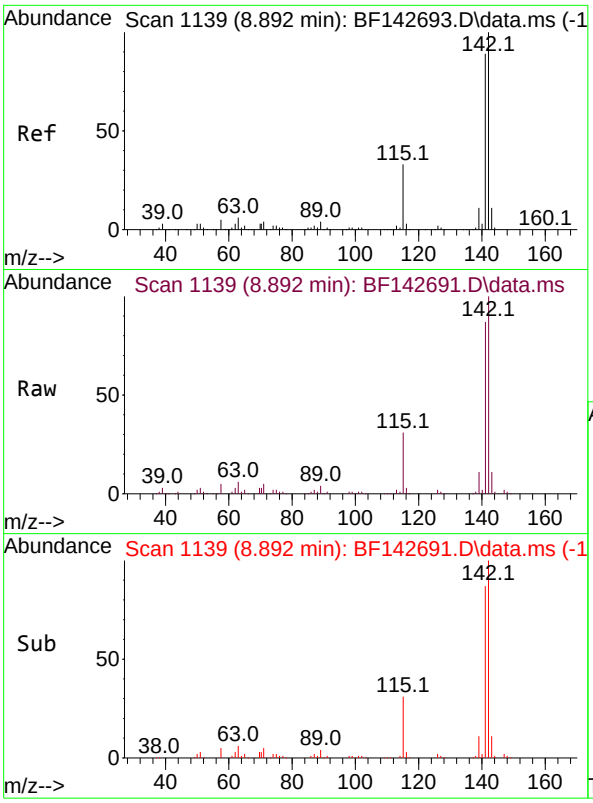


#36
4-Chloro-3-methylphenol
Concen: 10.136 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:107 Resp: 54824

Ion	Ratio	Lower	Upper
107	100		
144	27.2	21.5	32.3
142	83.5	65.5	98.3



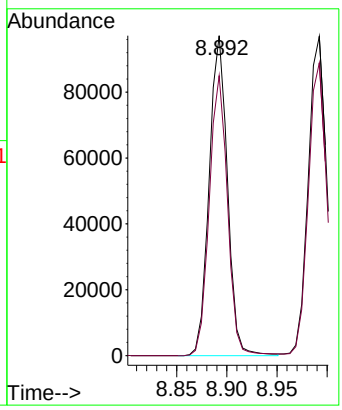


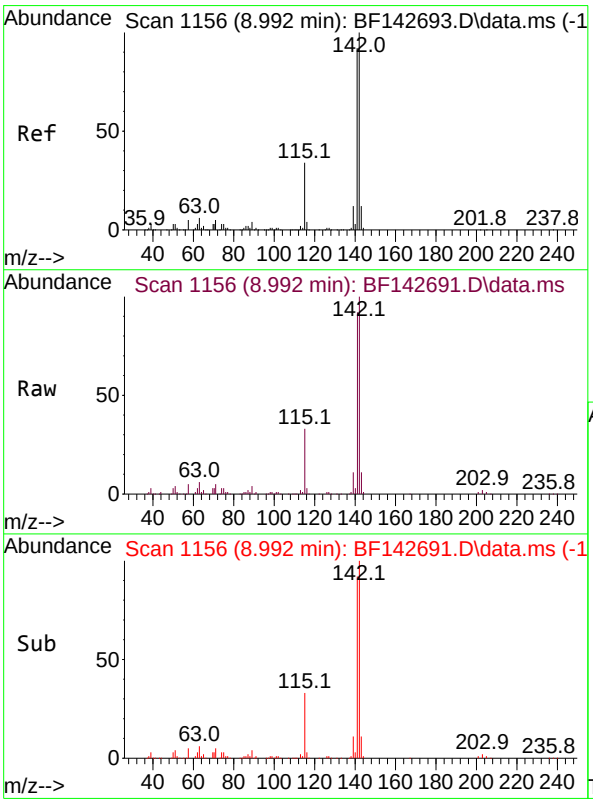
#37
2-Methylnaphthalene
Concen: 10.685 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 123271

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2

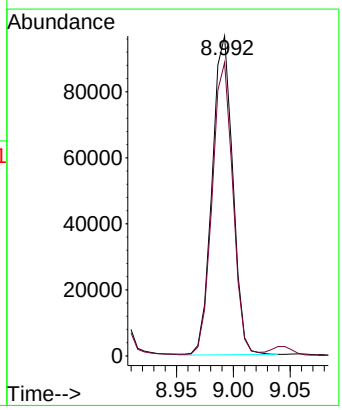


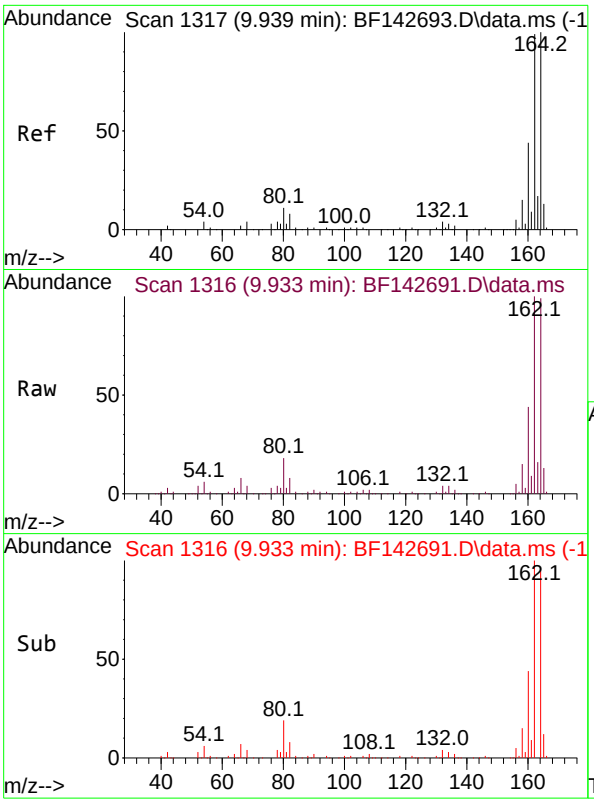


#38
1-Methylnaphthalene
Concen: 10.233 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:142 Resp: 122257

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.7	110.5



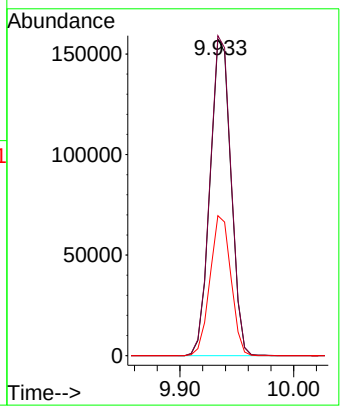


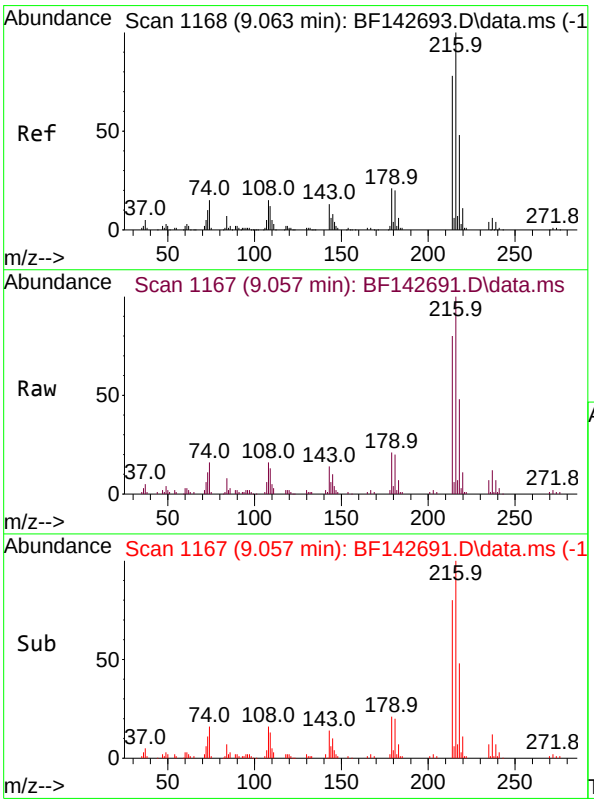
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 201241

Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.1	118.7
160	44.2	35.4	53.0

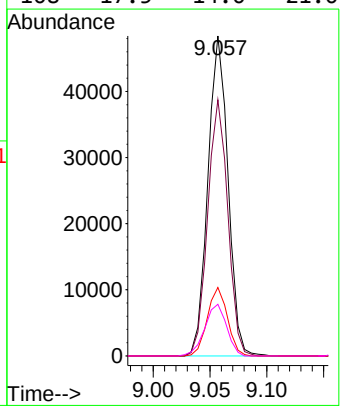


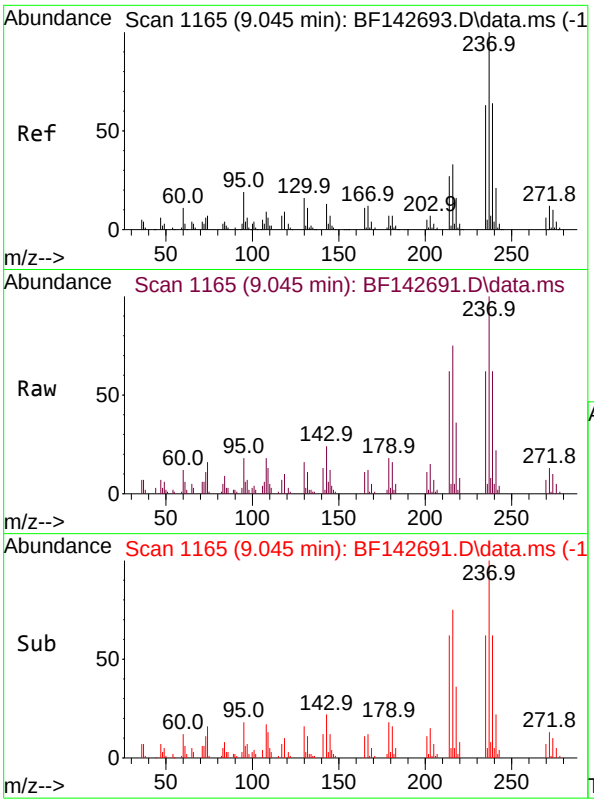


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.255 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:216 Resp: 59641

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.0	94.6
179	21.3	16.6	25.0
108	17.5	14.0	21.0



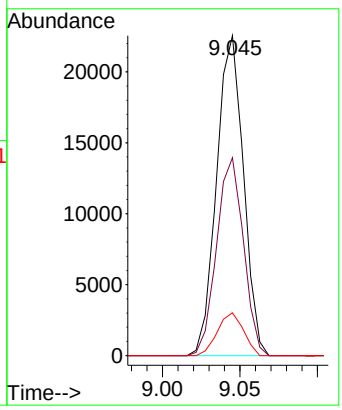


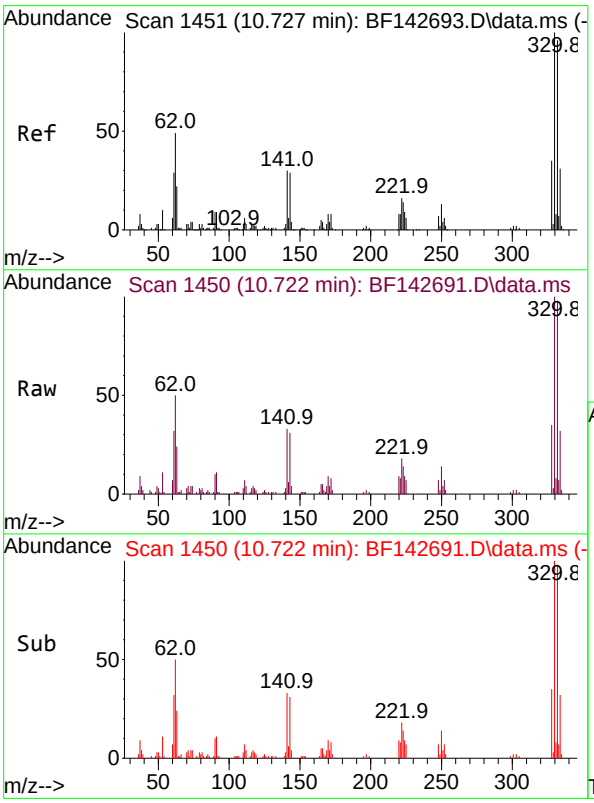
#41
Hexachlorocyclopentadiene
Concen: 8.001 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 27327

Ion	Ratio	Lower	Upper
237	100		
235	61.8	43.1	83.1
272	13.4	0.0	32.5

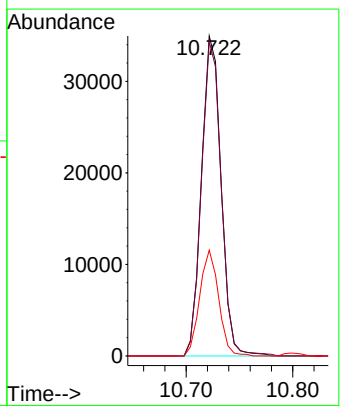


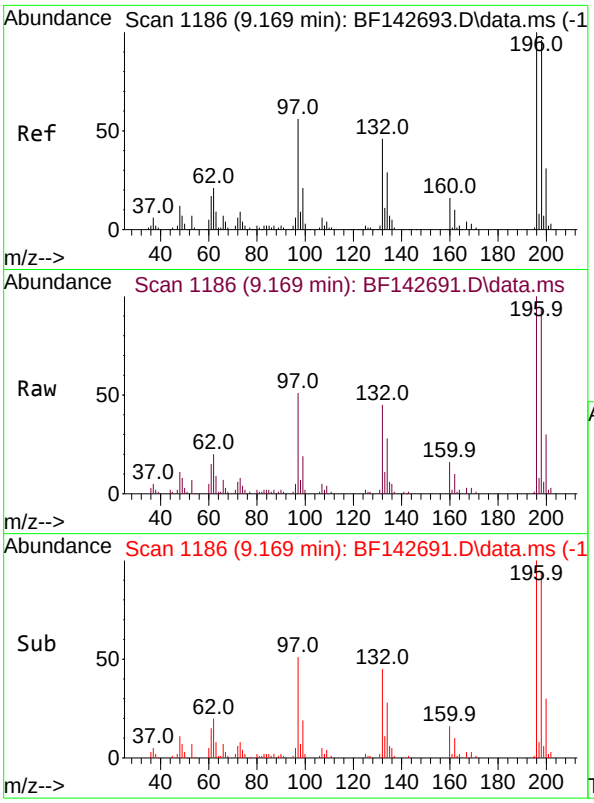


#42
2,4,6-Tribromophenol
Concen: 19.730 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:330 Resp: 44610

Ion	Ratio	Lower	Upper
330	100		
332	98.7	77.1	115.7
141	31.8	23.5	35.3



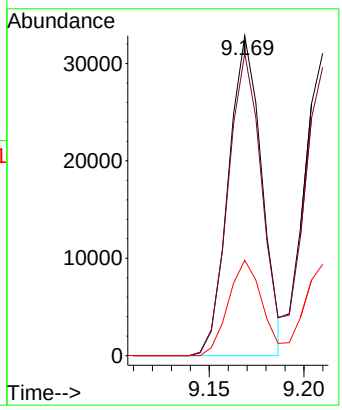


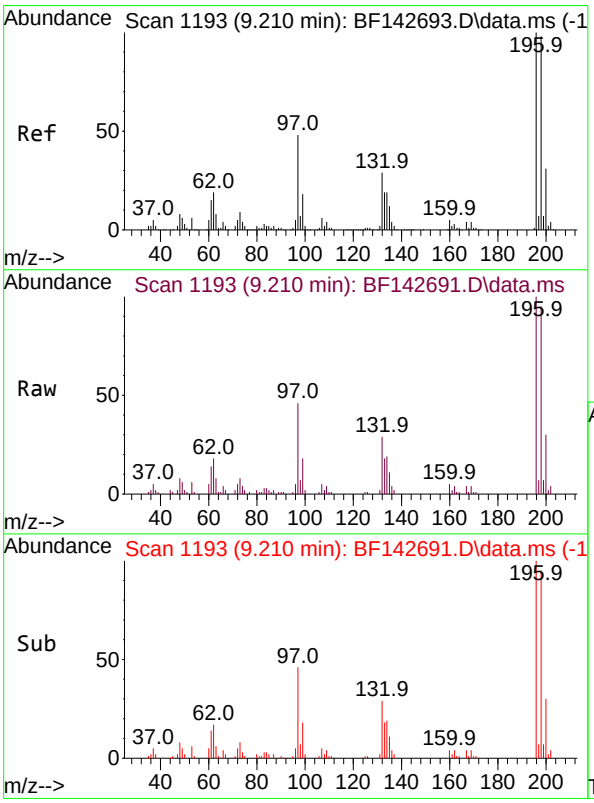
#43
2,4,6-Trichlorophenol
Concen: 10.488 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 40023

Ion	Ratio	Lower	Upper
196	100		
198	94.5	77.1	115.7
200	29.8	24.5	36.7

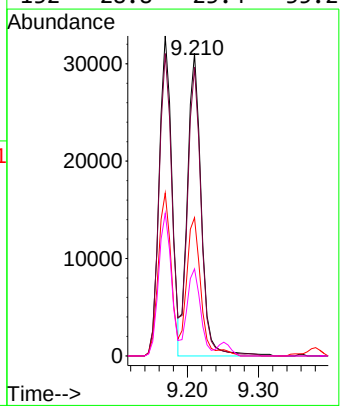


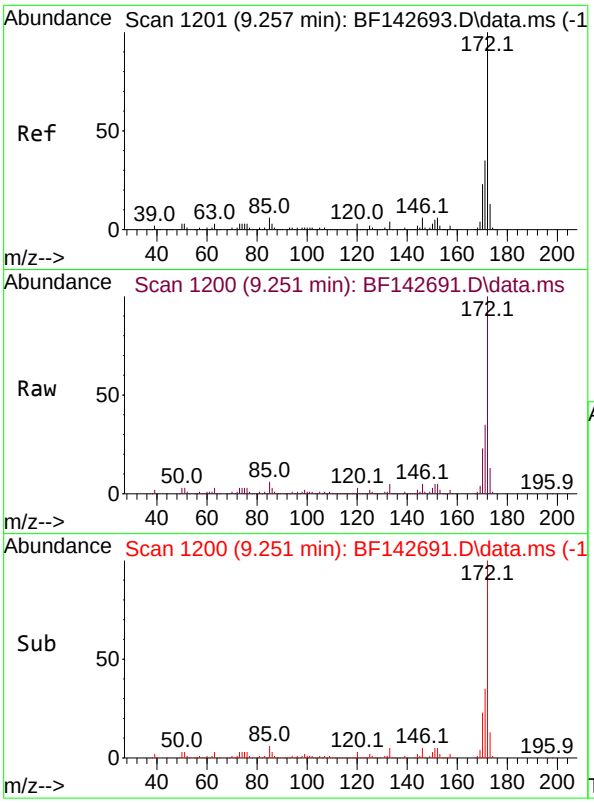


#44
2,4,5-Trichlorophenol
Concen: 10.336 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:196 Resp: 42127

Ion	Ratio	Lower	Upper
196	100		
198	95.4	78.2	117.2
97	45.7	39.2	58.8
132	28.8	23.4	35.2



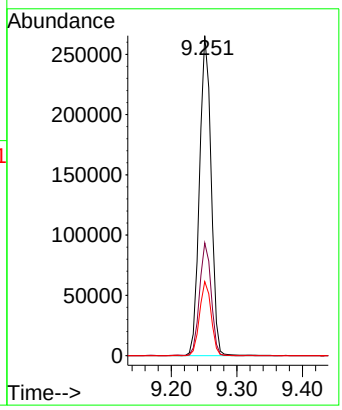


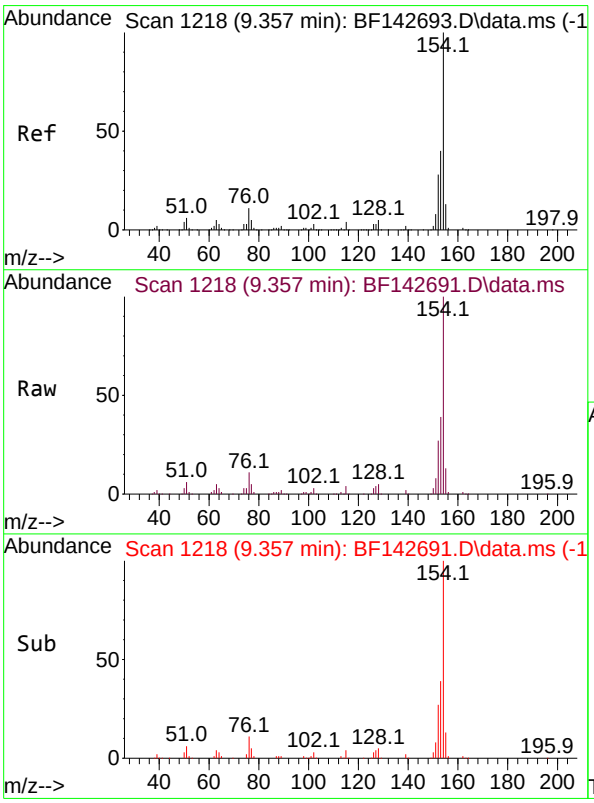
#45
2-Fluorobiphenyl
Concen: 22.051 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 324487

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.1	18.7	28.1

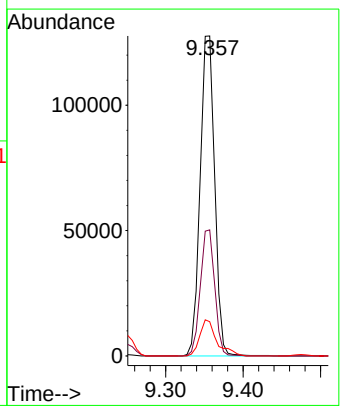


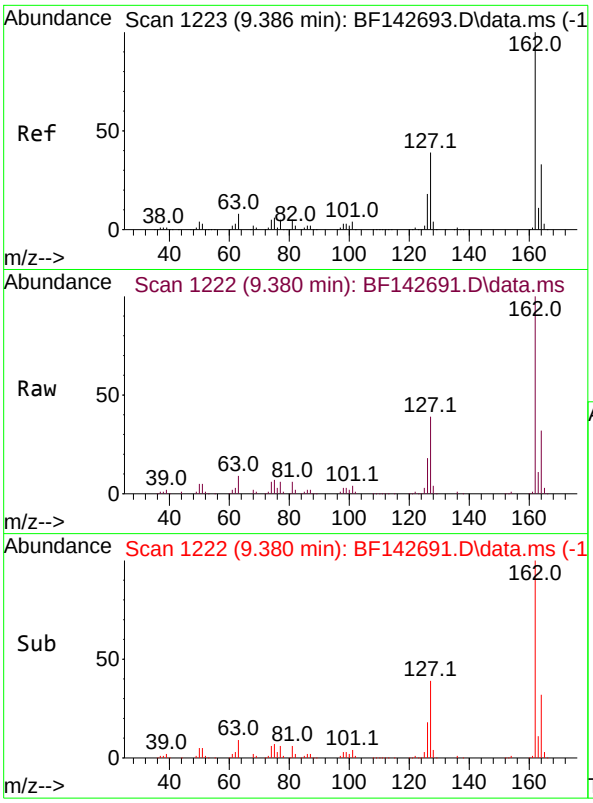


#46
1,1'-Biphenyl
Concen: 10.613 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:154 Resp: 166083

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.4	60.4
76	10.7	0.0	31.4



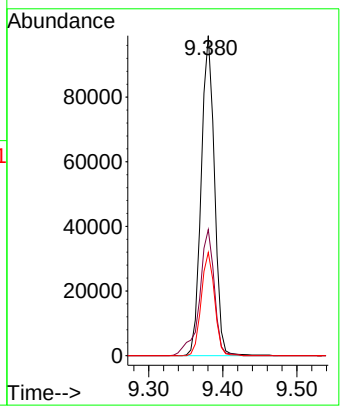


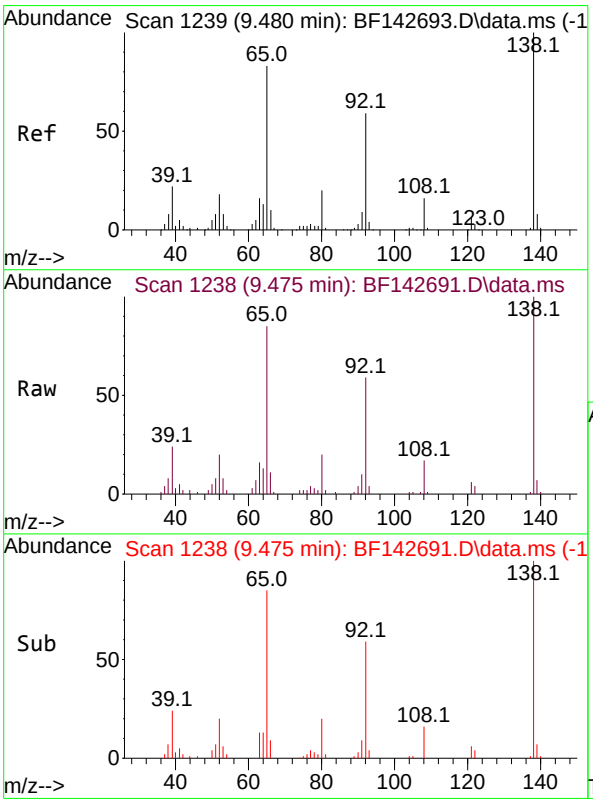
#47
2-Chloronaphthalene
Concen: 10.494 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 123036

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.7	47.5
164	32.2	26.2	39.4

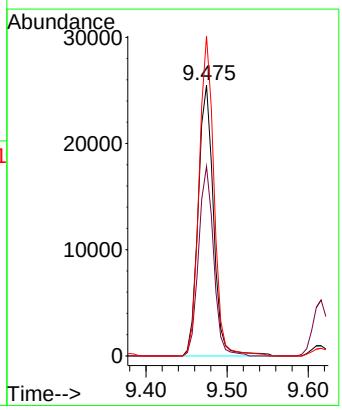


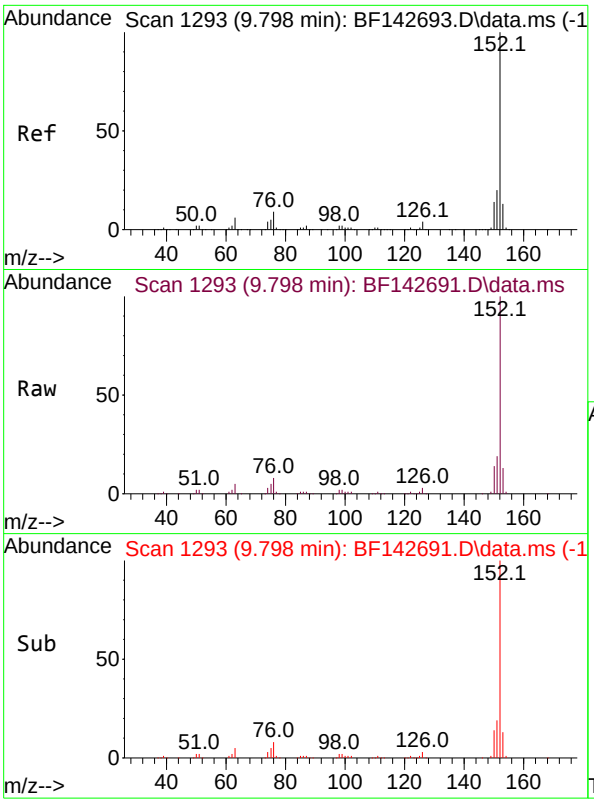


#48
2-Nitroaniline
Concen: 9.587 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion: 65 Resp: 33448

Ion	Ratio	Lower	Upper
65	100		
92	70.0	56.3	84.5
138	118.2	95.9	143.9



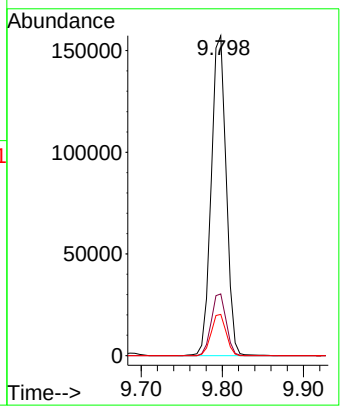


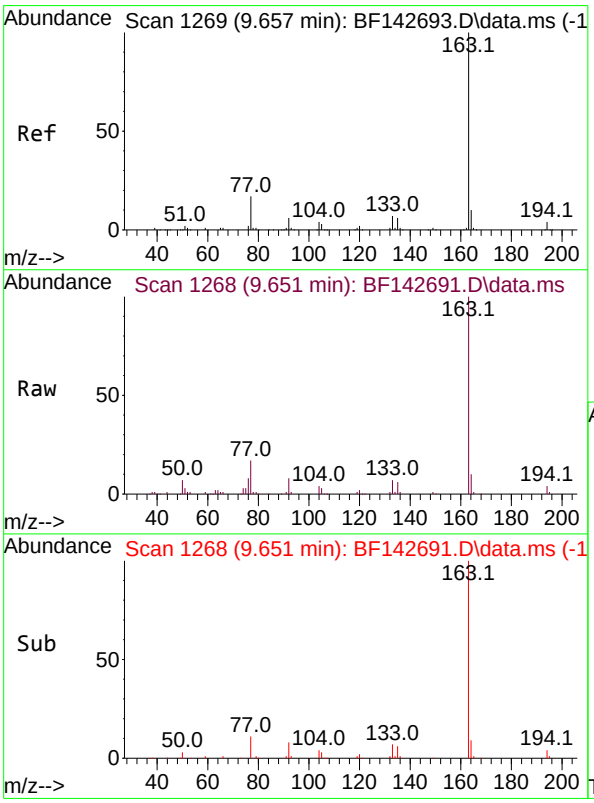
#49
Acenaphthylene
Concen: 10.357 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 201264

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.9	23.9
153	12.9	10.5	15.7

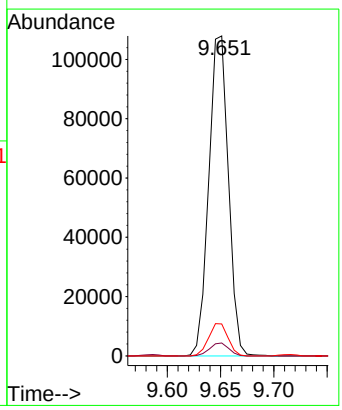


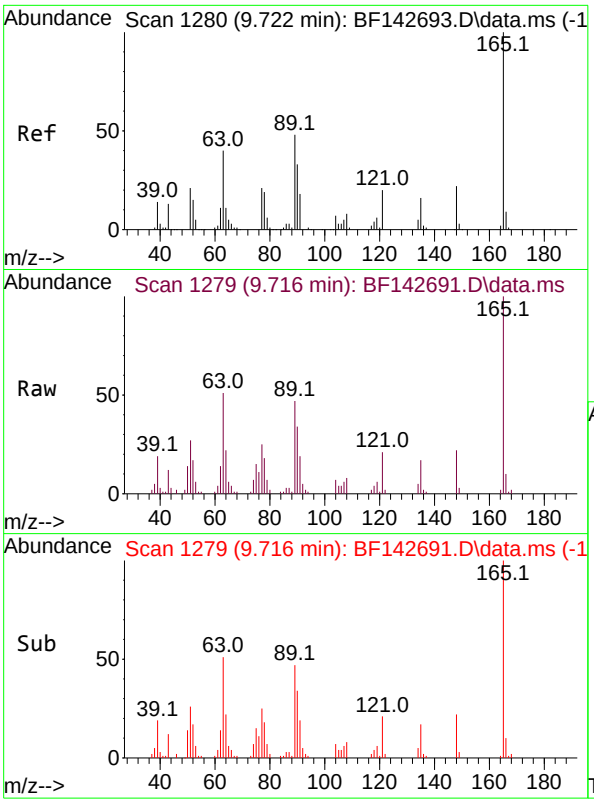


#50
Dimethylphthalate
Concen: 10.222 ng
RT: 9.651 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:163 Resp: 138398

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.1	12.1



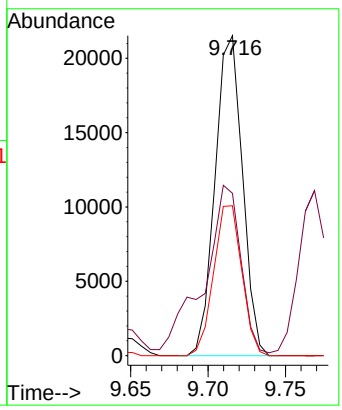


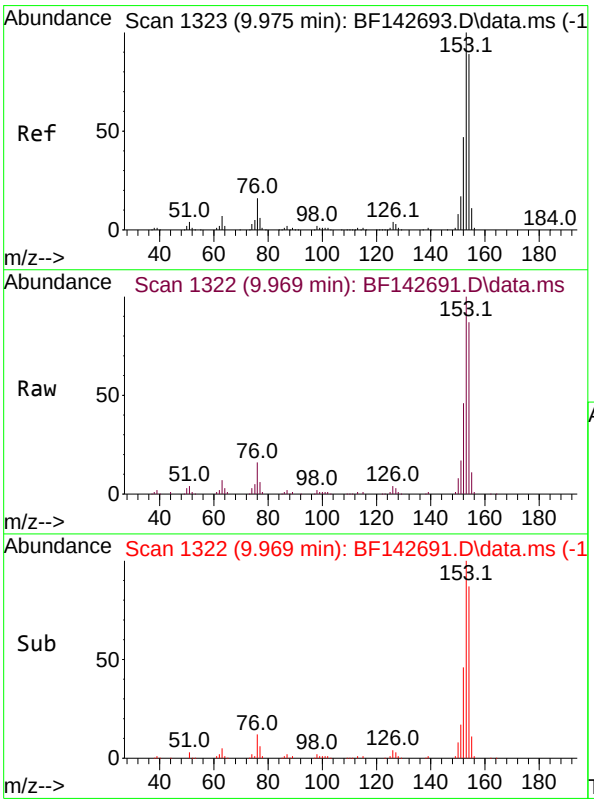
#51
2,6-Dinitrotoluene
Concen: 9.057 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 26528

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.3	61.9
89	46.8	38.1	57.1

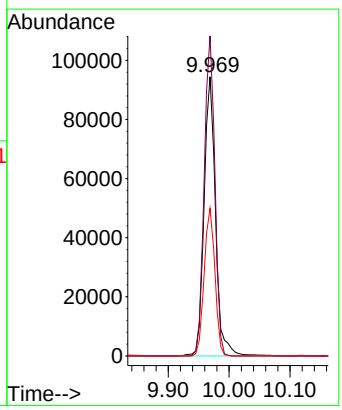


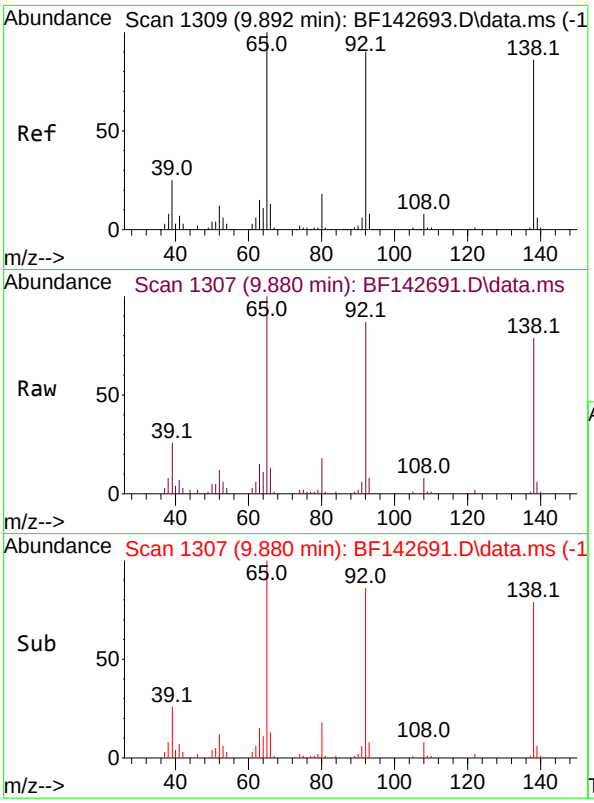


#52
Acenaphthene
Concen: 10.320 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:154 Resp: 122682

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.5	134.3
152	52.9	41.8	62.8



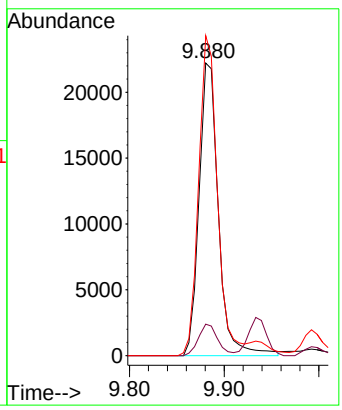


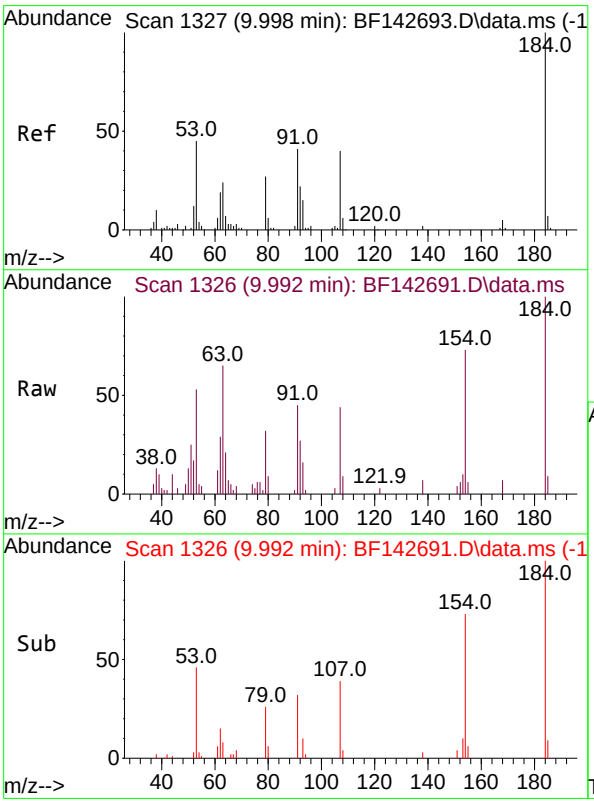
#53
3-Nitroaniline
Concen: 9.597 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 31583

Ion	Ratio	Lower	Upper
138	100		
108	10.7	7.7	11.5
92	109.4	83.4	125.0

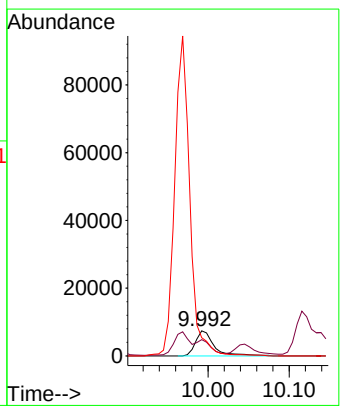


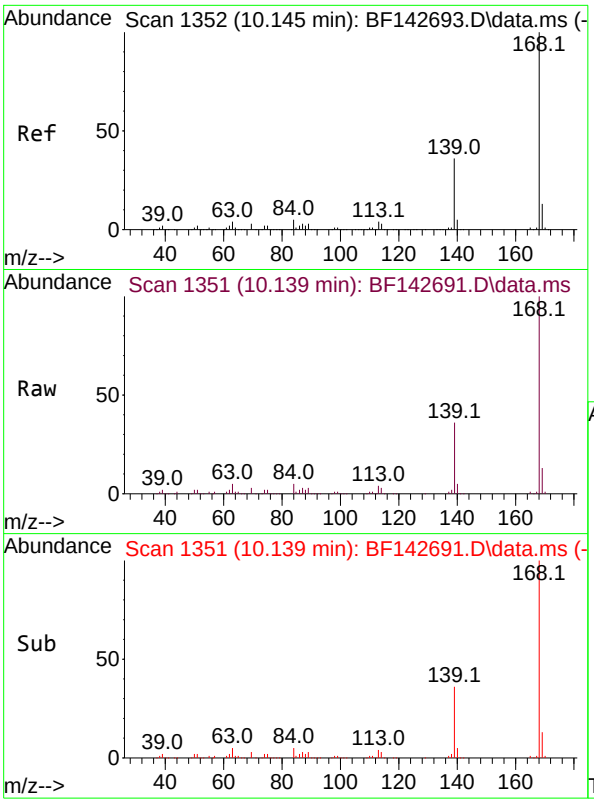


#54
2,4-Dinitrophenol
Concen: 7.185 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:184 Resp: 11652

Ion	Ratio	Lower	Upper
184	100		
63	64.9	47.4	71.0
154	72.7	48.6	73.0



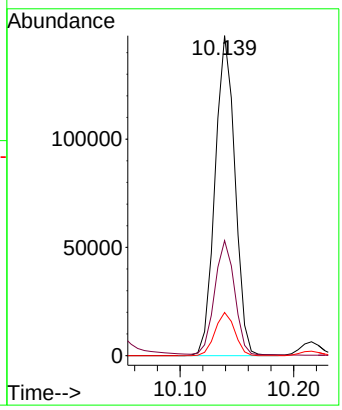


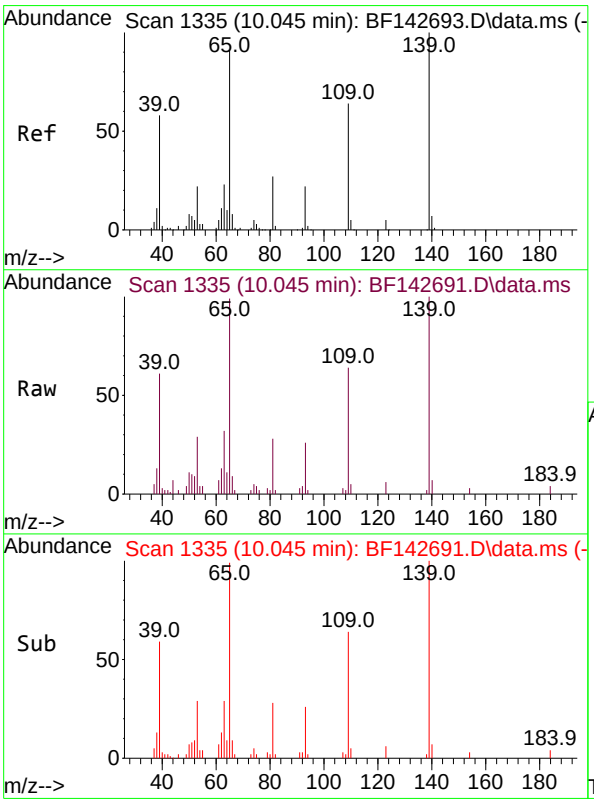
#55
Dibenzofuran
Concen: 10.558 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 180061

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.2	43.8
169	13.5	10.7	16.1

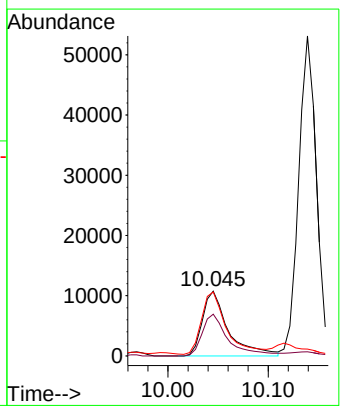


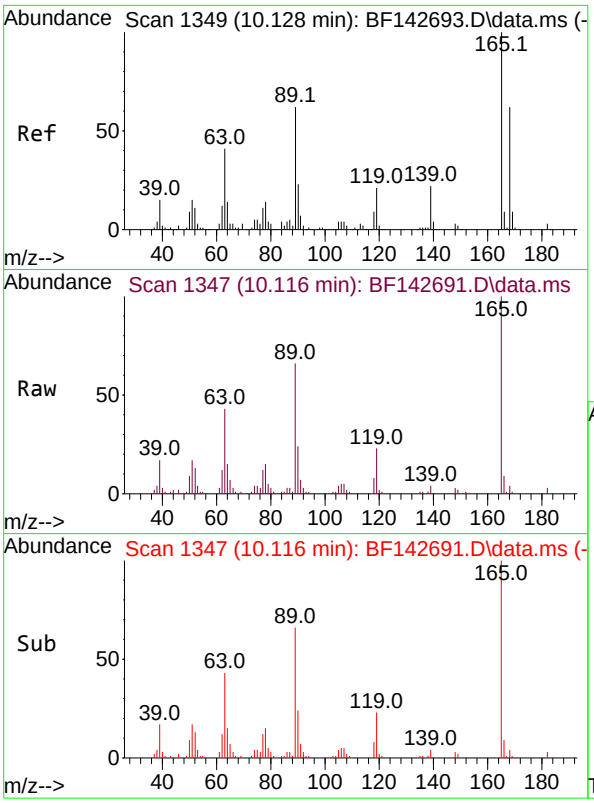


#56
4-Nitrophenol
Concen: 8.531 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:139 Resp: 19298

Ion	Ratio	Lower	Upper
139	100		
109	64.4	44.4	84.4
65	98.7	72.1	112.1



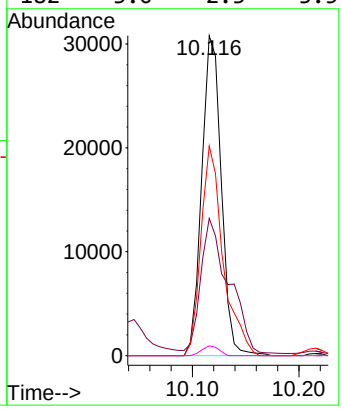


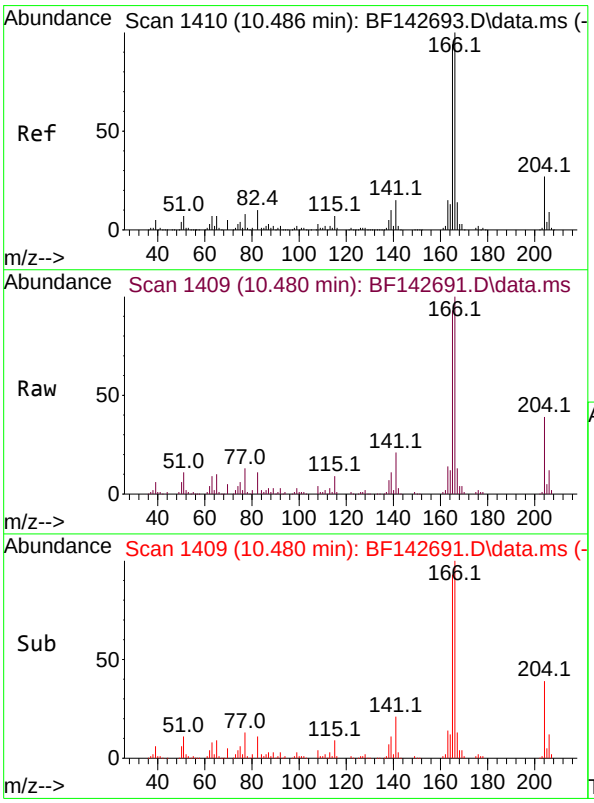
#57
2,4-Dinitrotoluene
Concen: 9.979 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 39179

Ion	Ratio	Lower	Upper
165	100		
63	42.9	33.6	50.4
89	65.5	49.4	74.0
182	3.0	2.3	3.5

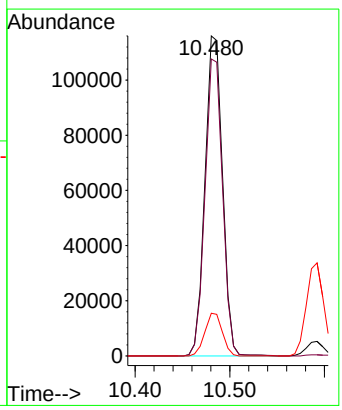


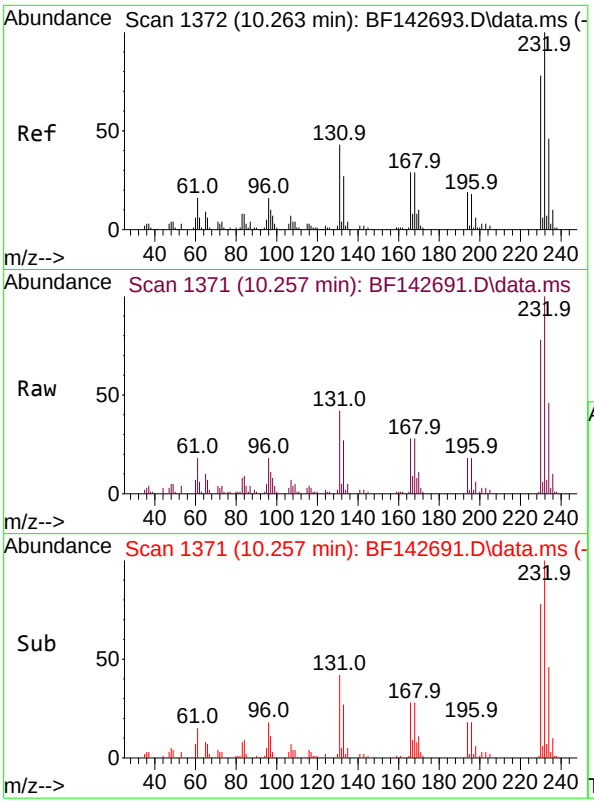


#58
Fluorene
Concen: 10.966 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:166 Resp: 149476

Ion	Ratio	Lower	Upper
166	100		
165	92.8	75.0	112.6
167	13.3	10.8	16.2



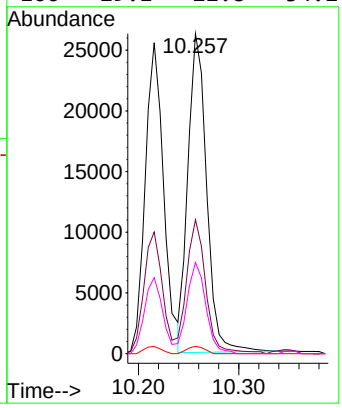


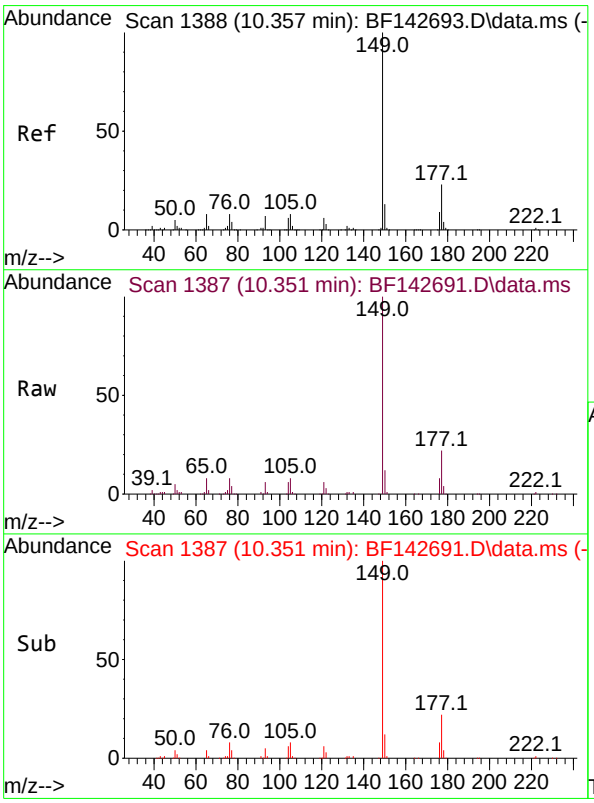
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.916 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 34011

Ion	Ratio	Lower	Upper
232	100		
131	43.5	33.5	50.3
130	2.1	1.5	2.3
166	29.1	22.8	34.2

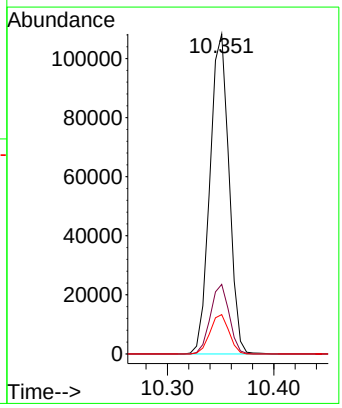


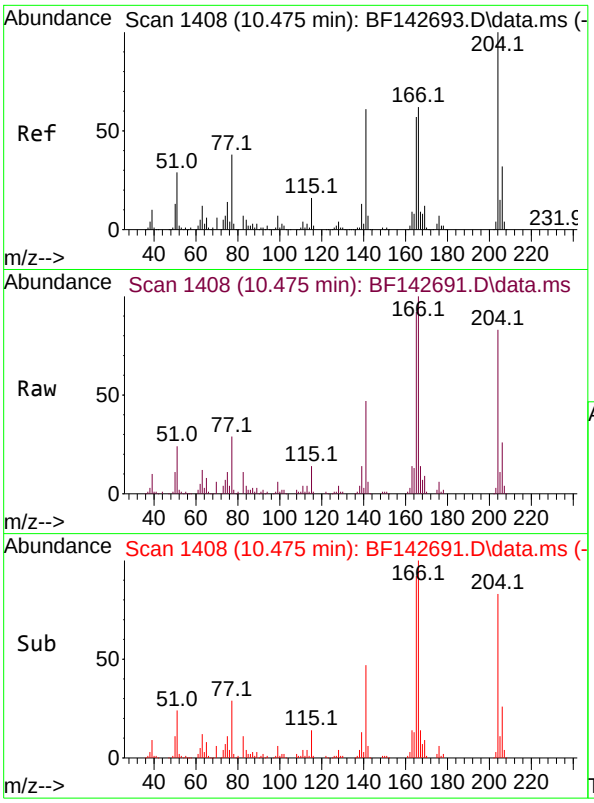


#60
Diethylphthalate
Concen: 10.215 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:149 Resp: 134272

Ion	Ratio	Lower	Upper
149	100		
177	21.7	18.0	27.0
150	12.3	10.0	15.0



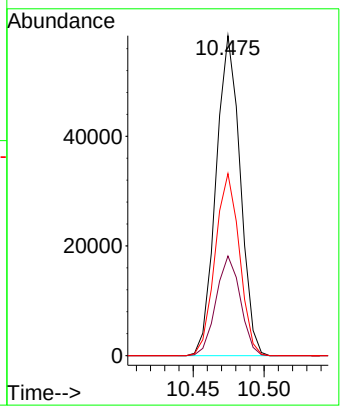


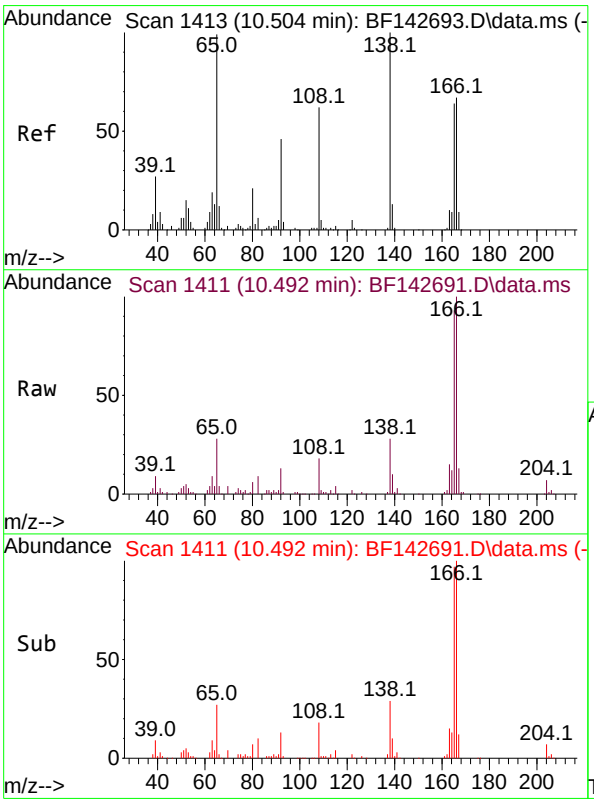
#61
4-Chlorophenyl-phenylether
Concen: 10.743 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 69232

Ion	Ratio	Lower	Upper
204	100		
206	31.1	25.6	38.4
141	56.9	48.9	73.3

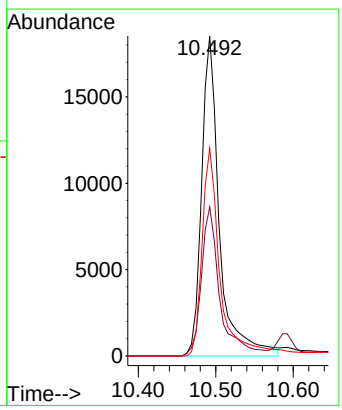


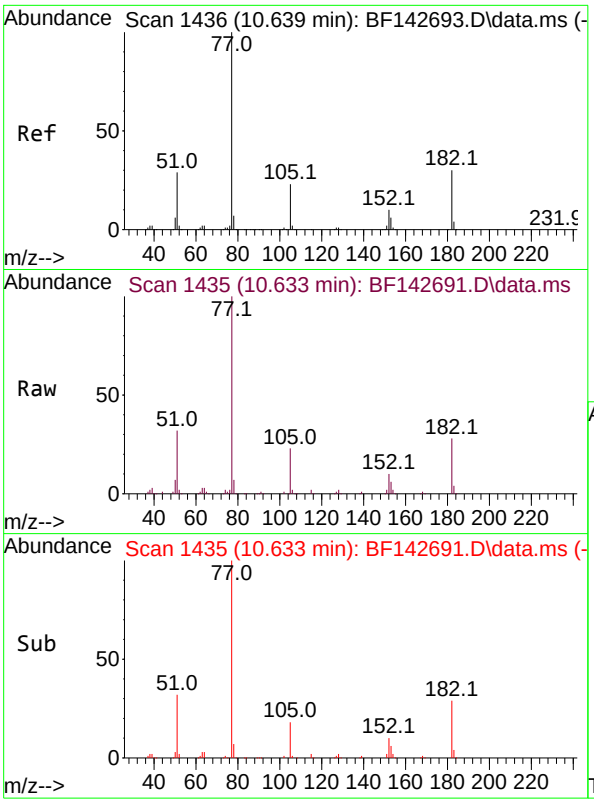


#62
4-Nitroaniline
Concen: 9.453 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:138 Resp: 29512

Ion	Ratio	Lower	Upper
138	100		
92	46.5	25.8	65.8
108	64.8	42.3	82.3



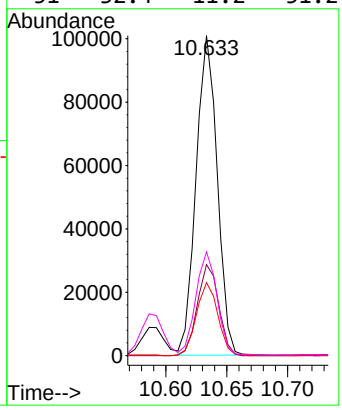


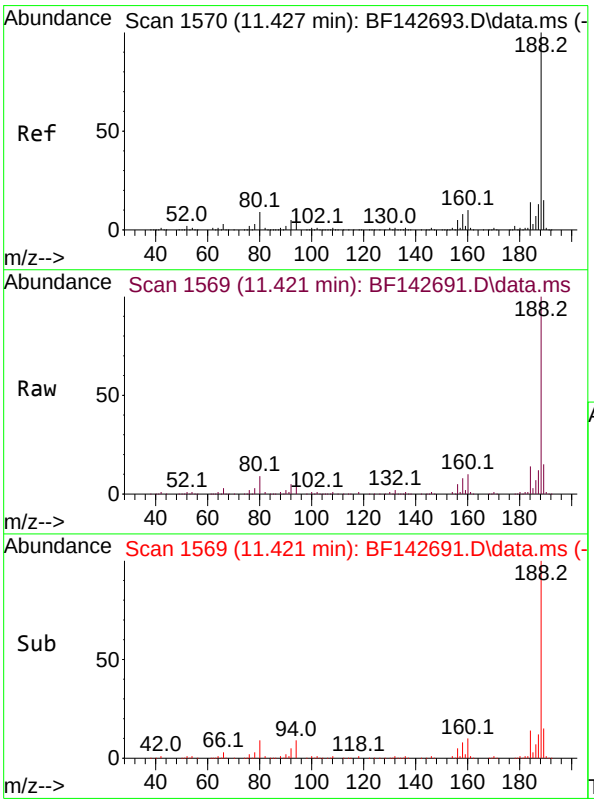
#63
Azobenzene
Concen: 10.381 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 122238

Ion	Ratio	Lower	Upper
77	100		
182	28.4	9.5	49.5
105	22.8	2.3	42.3
51	32.4	11.2	51.2

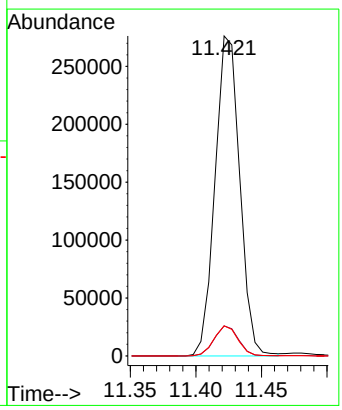


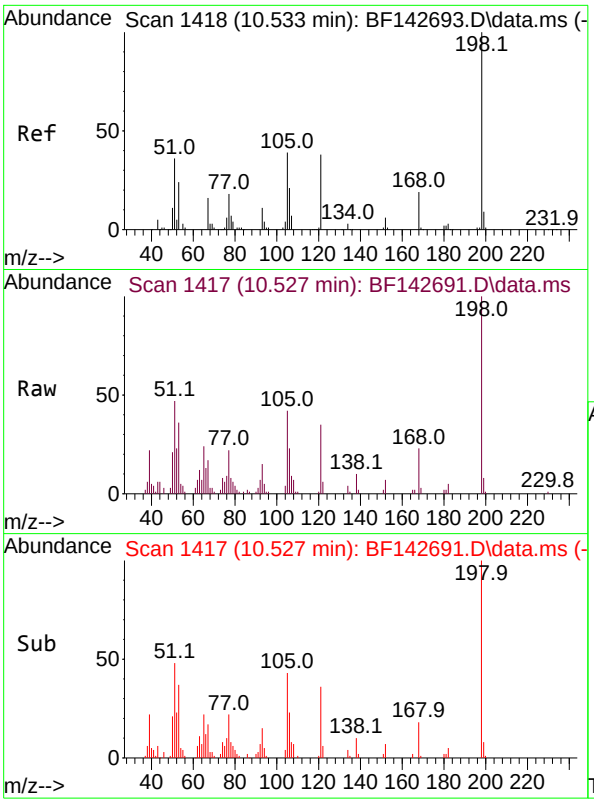


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:188 Resp: 362826

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.4
80	9.4	7.2	10.8



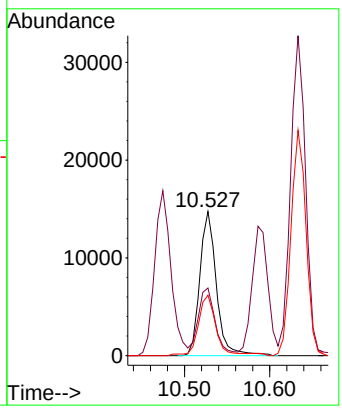


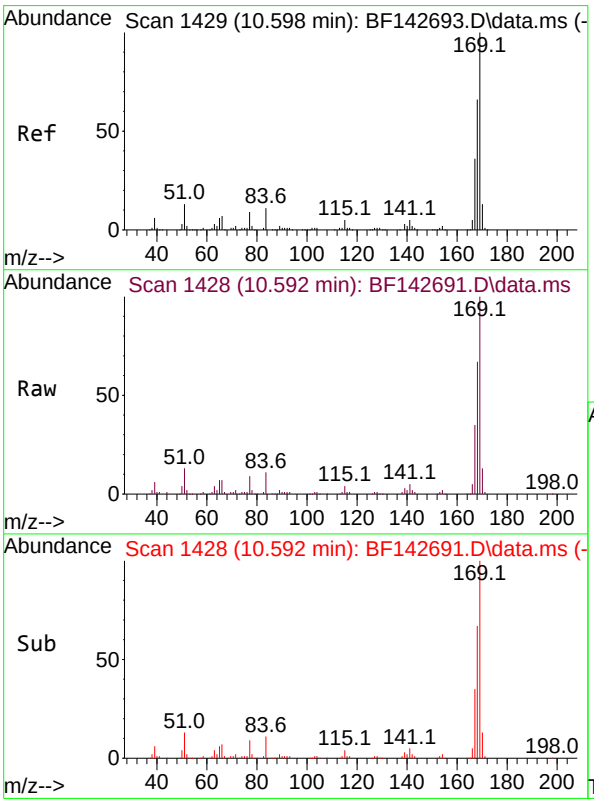
#65
4,6-Dinitro-2-methylphenol
Concen: 8.580 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 19854

Ion	Ratio	Lower	Upper
198	100		
51	46.9	25.9	65.9
105	41.9	20.0	60.0

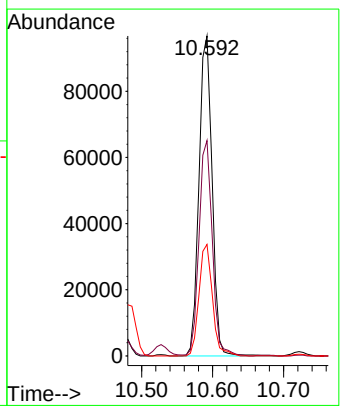


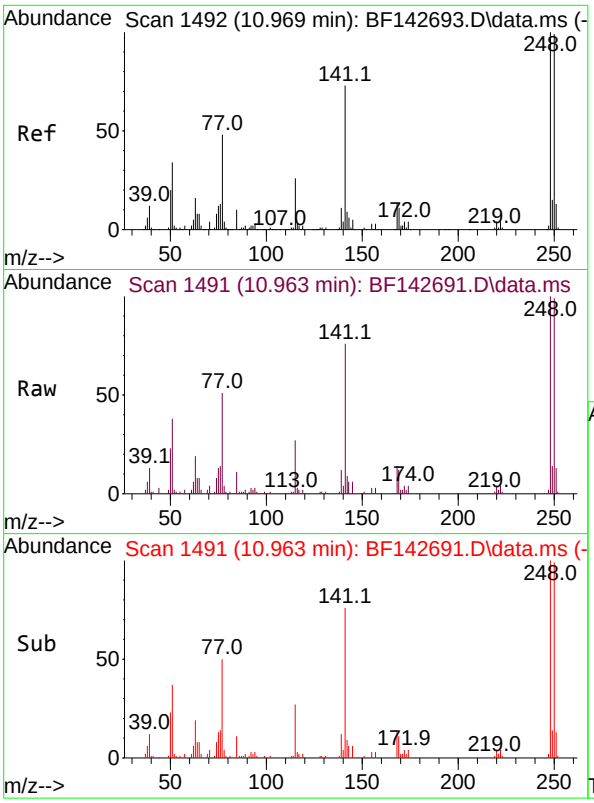


#66
n-Nitrosodiphenylamine
Concen: 10.532 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:169 Resp: 123372

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.1	79.7
167	34.9	28.4	42.6



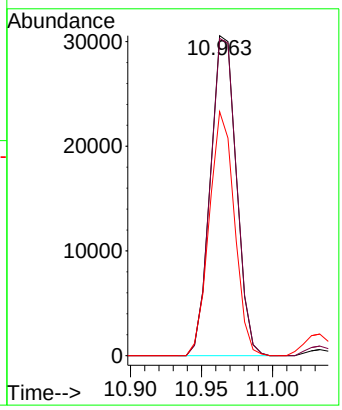


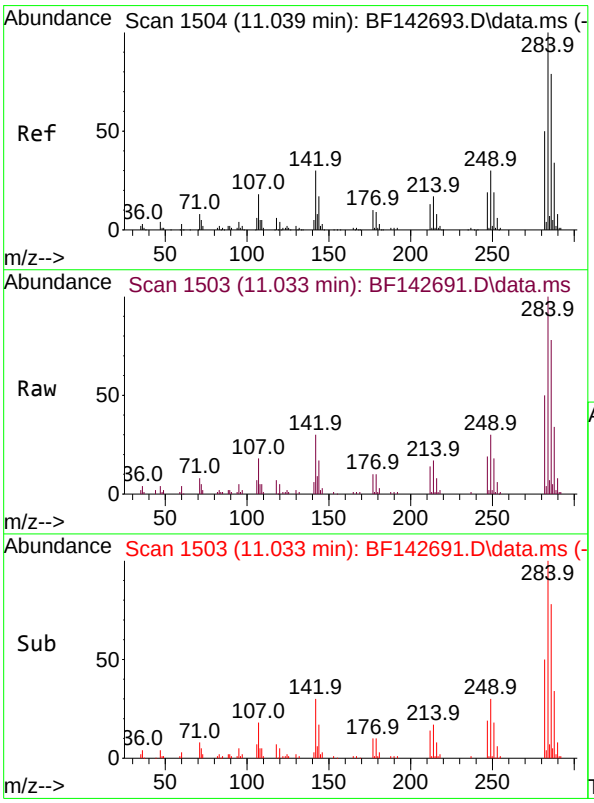
#67
4-Bromophenyl-phenylether
Concen: 9.714 ng
RT: 10.963 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 38956

Ion	Ratio	Lower	Upper
248	100		
250	99.1	79.1	118.7
141	76.2	58.5	87.7

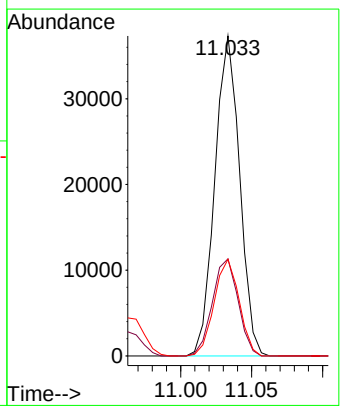


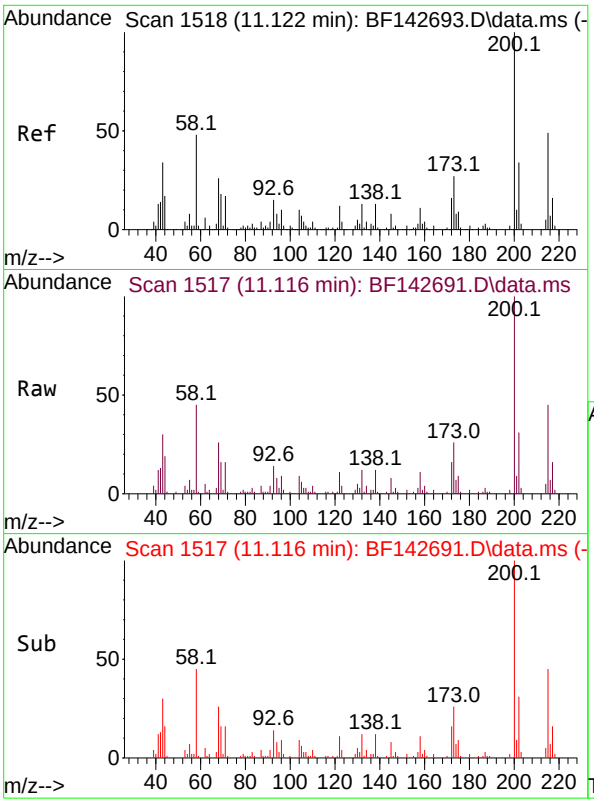


#68
Hexachlorobenzene
Concen: 9.849 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:284 Resp: 45386

Ion	Ratio	Lower	Upper
284	100		
142	30.3	23.6	35.4
249	30.2	23.8	35.8



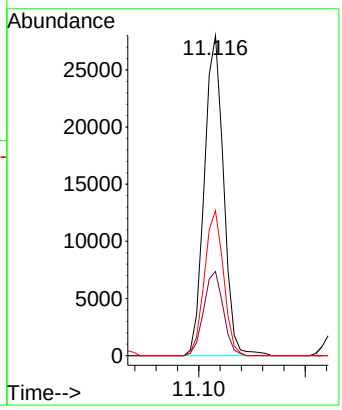


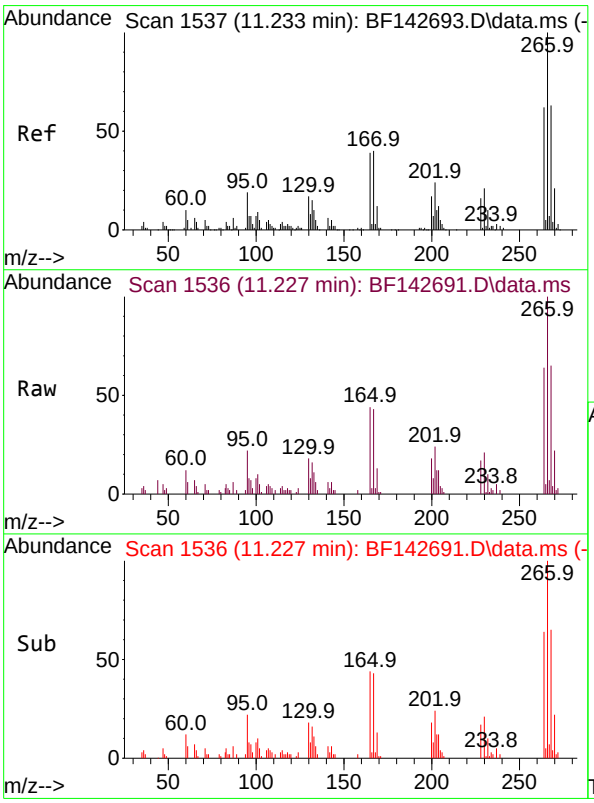
#69
Atrazine
Concen: 9.874 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 35078

Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.4	47.4
215	45.3	28.9	68.9

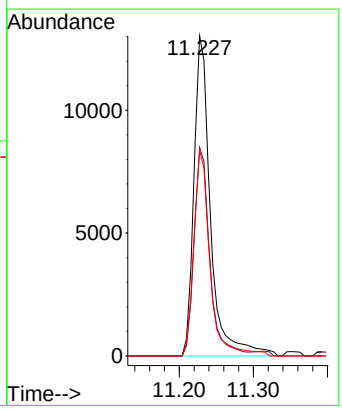


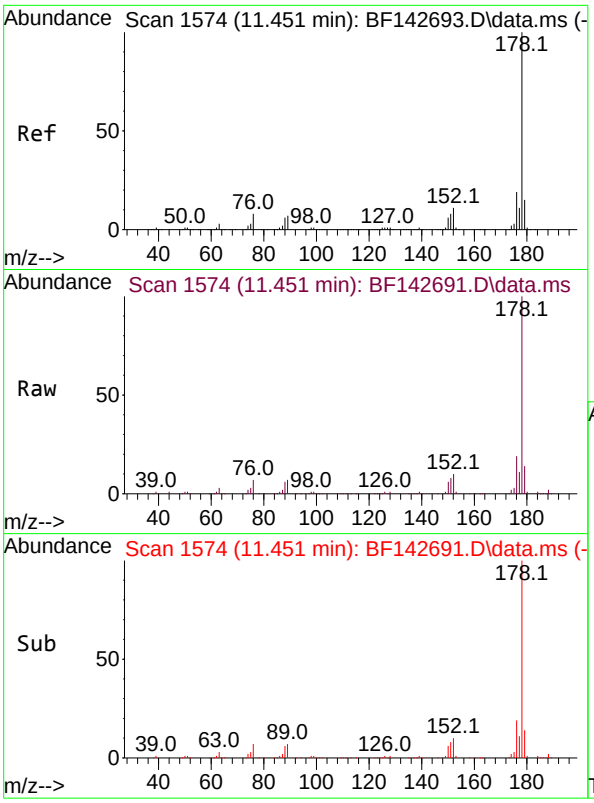


#70
Pentachlorophenol
Concen: 8.013 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:266 Resp: 20307

Ion	Ratio	Lower	Upper
266	100		
268	65.2	50.8	76.2
264	64.2	49.7	74.5



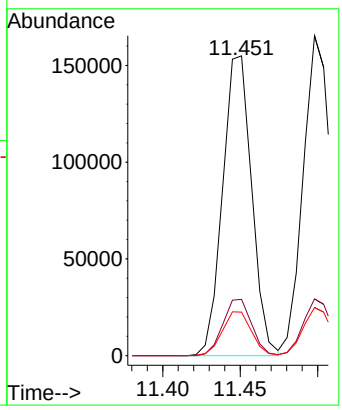


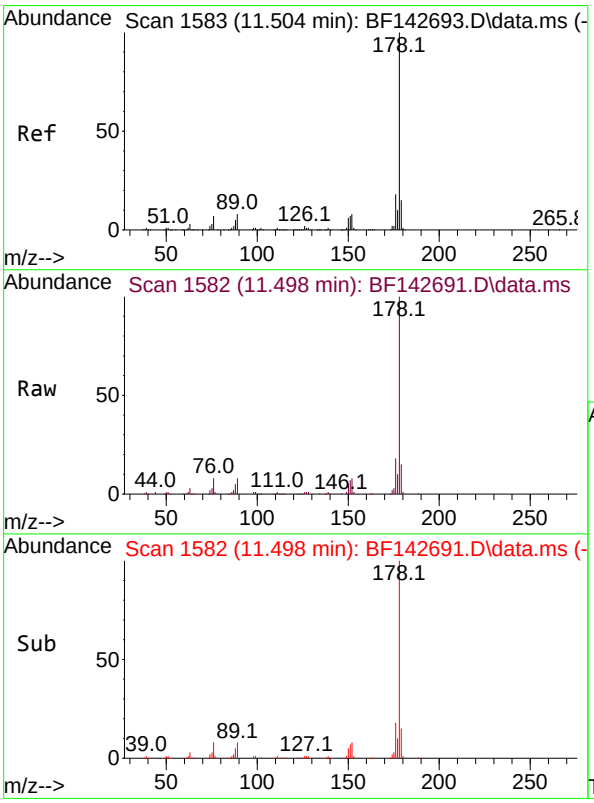
#71
Phenanthrene
Concen: 10.432 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 202355

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	14.5	12.4	18.6

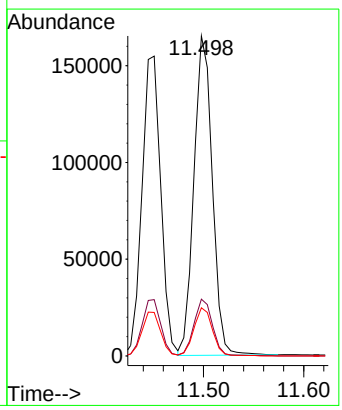


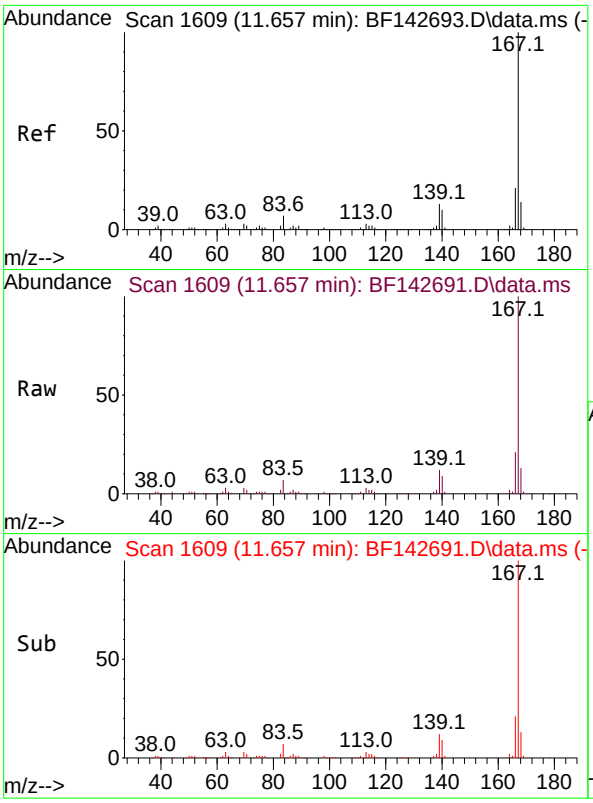


#72
Anthracene
Concen: 10.424 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:178 Resp: 209829

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.0	12.2	18.2



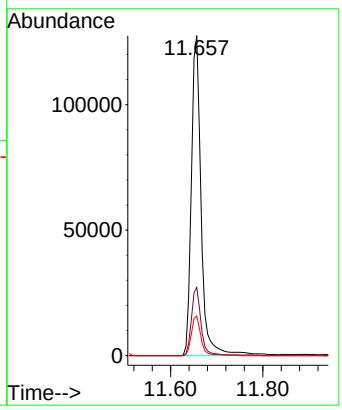


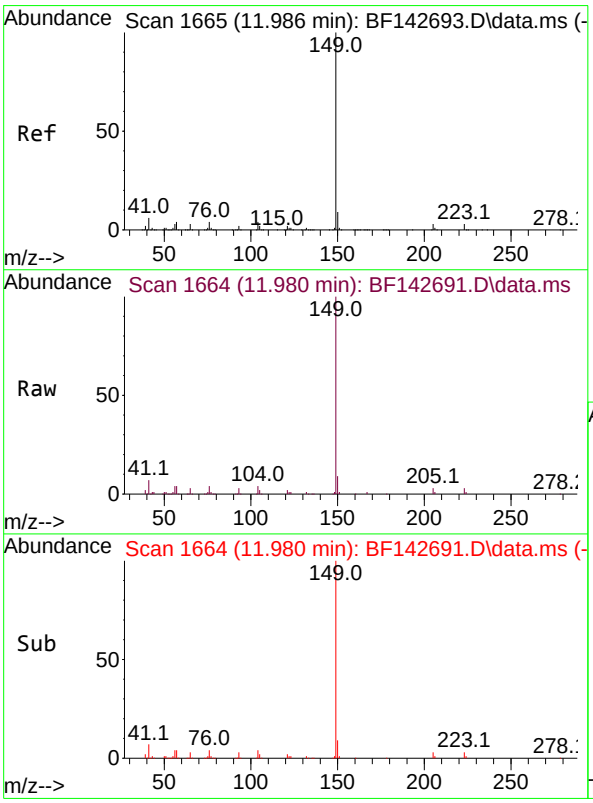
#73
Carbazole
Concen: 10.396 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 188427

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	12.4	10.1	15.1

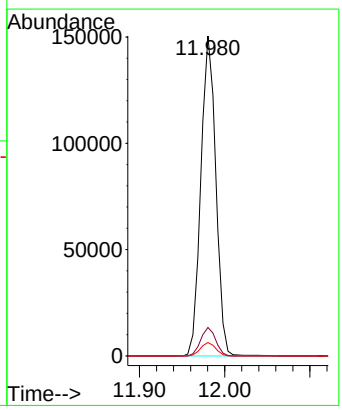


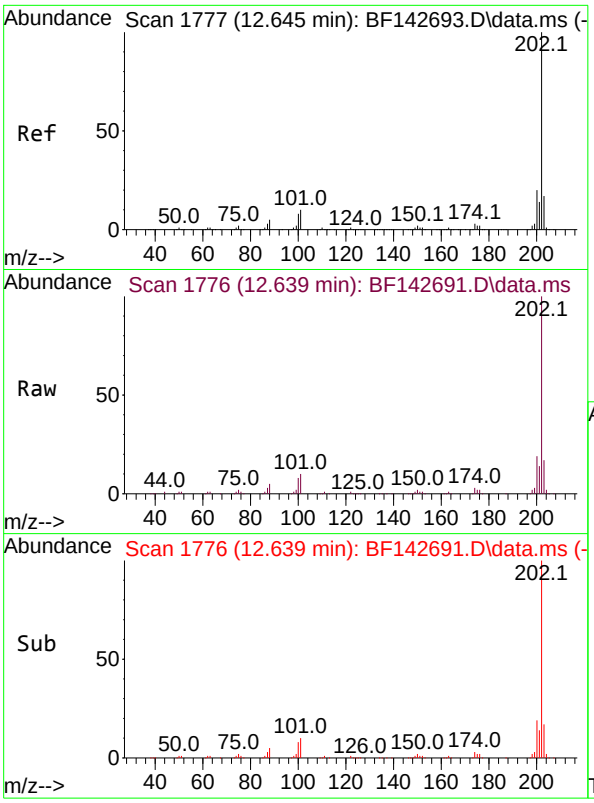


#74
Di-n-butylphthalate
Concen: 9.536 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:149 Resp: 183503

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.2	3.3	4.9



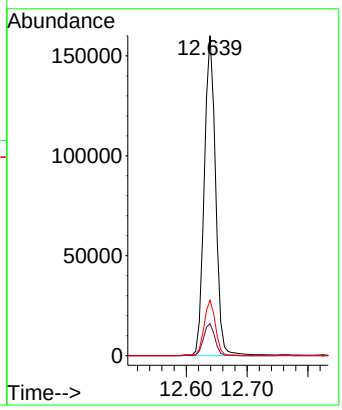


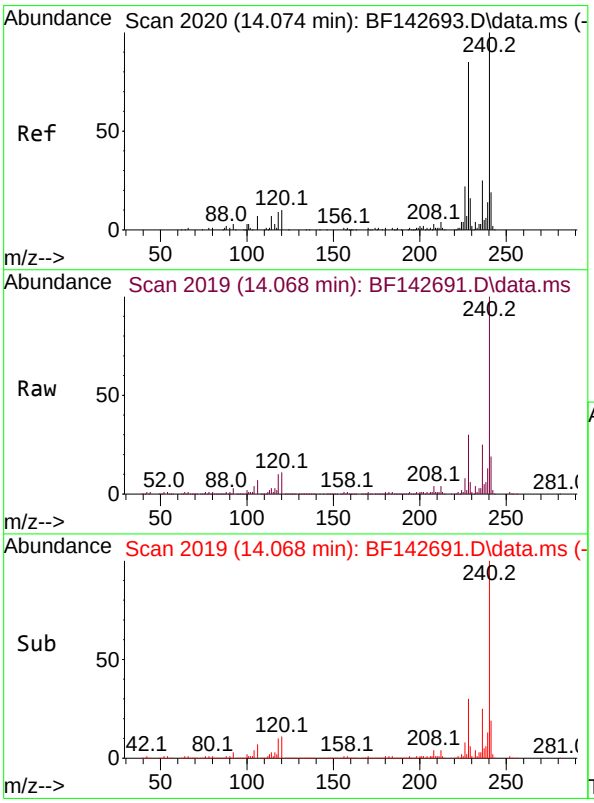
#75
Fluoranthene
Concen: 10.608 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 206148

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.3	0.0	37.3

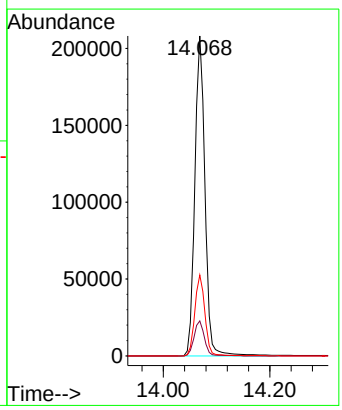


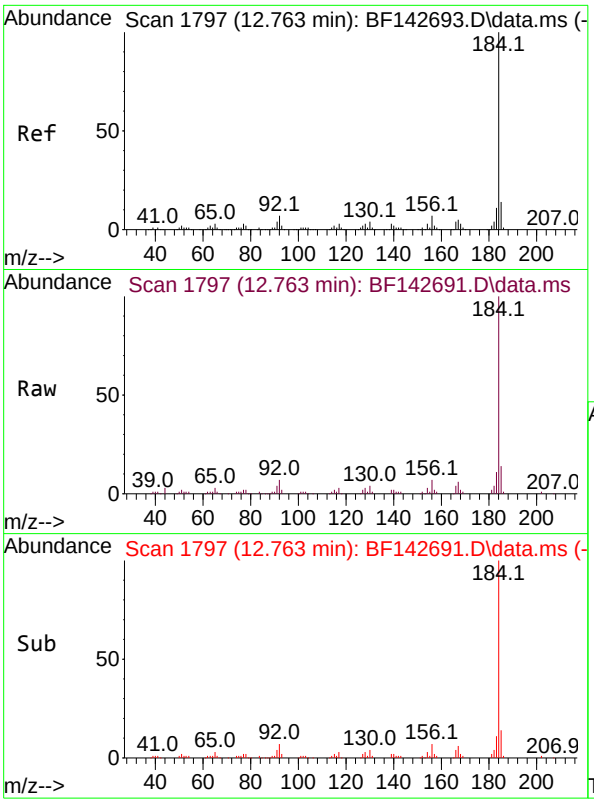


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:240 Resp: 275728

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.4	12.6
236	25.3	20.2	30.2



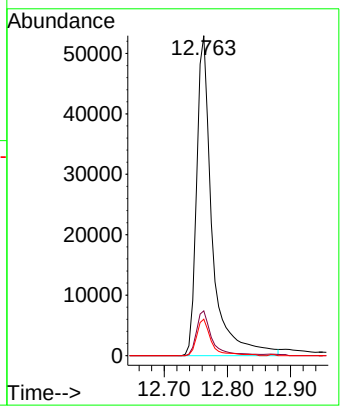


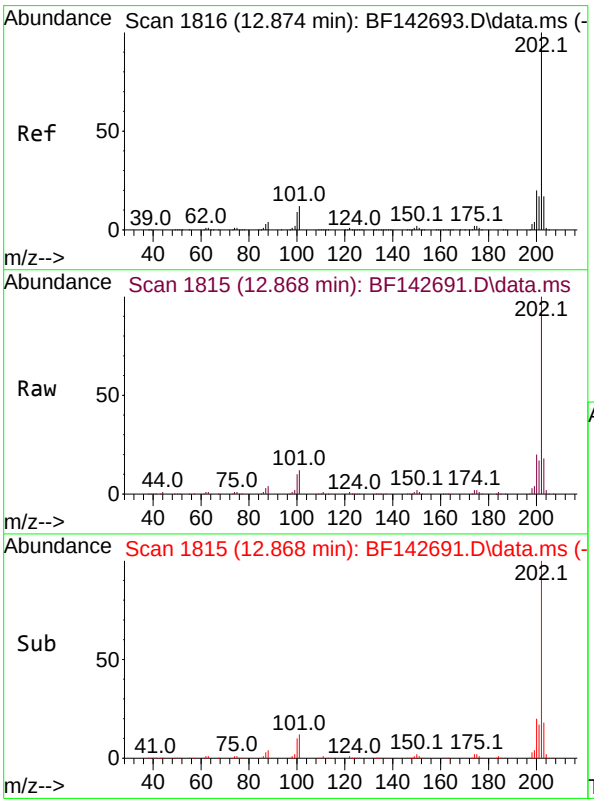
#77
Benzidine
Concen: 9.547 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 90848

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	11.4	8.9	13.3

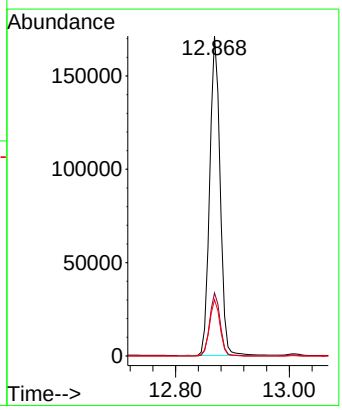


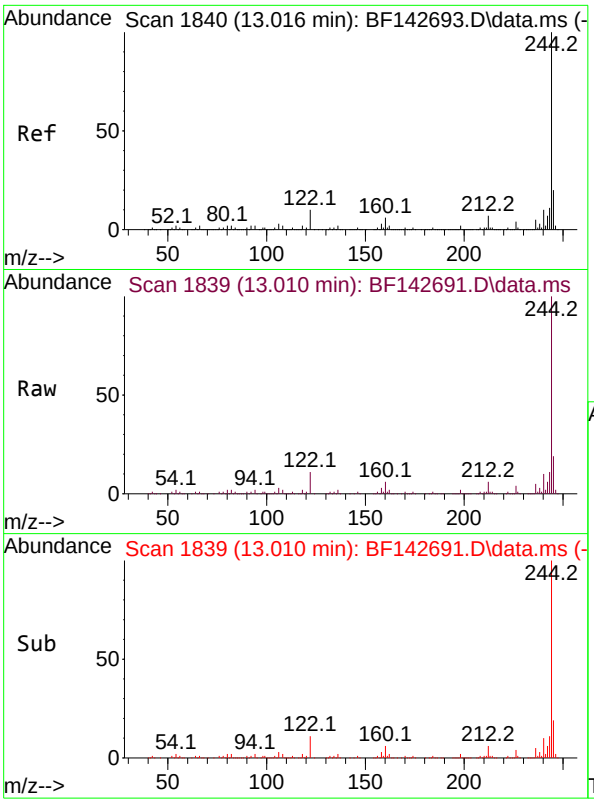


#78
Pyrene
Concen: 9.737 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:202 Resp: 218773

Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.1	24.1
203	17.5	13.9	20.9



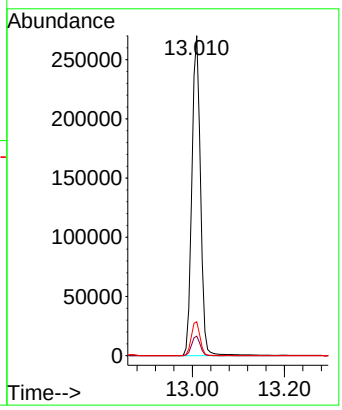


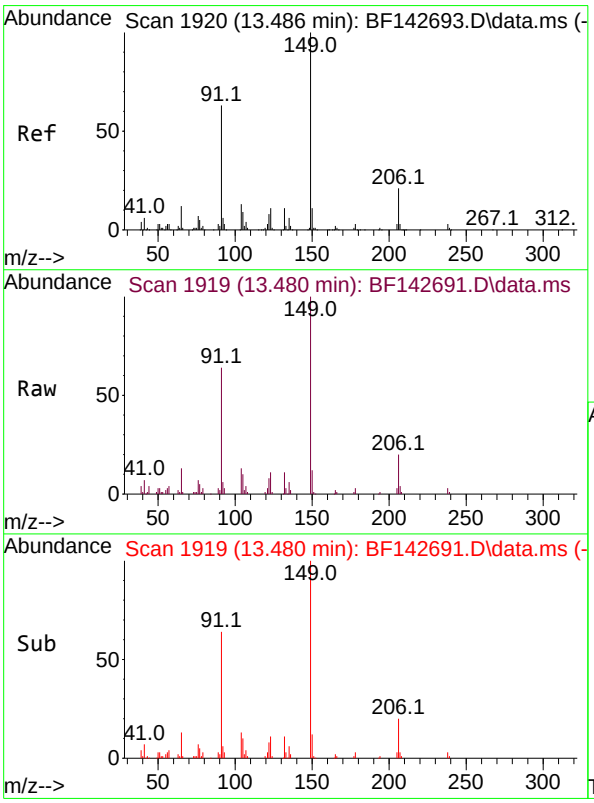
#79
Terphenyl-d14
Concen: 20.165 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 351566

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.3	7.9
122	10.6	8.2	12.2

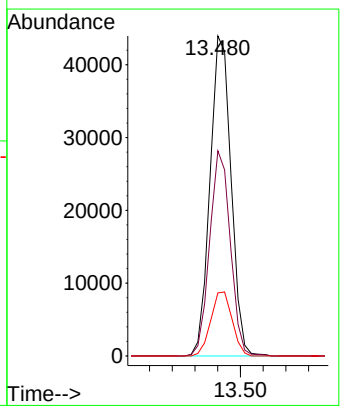


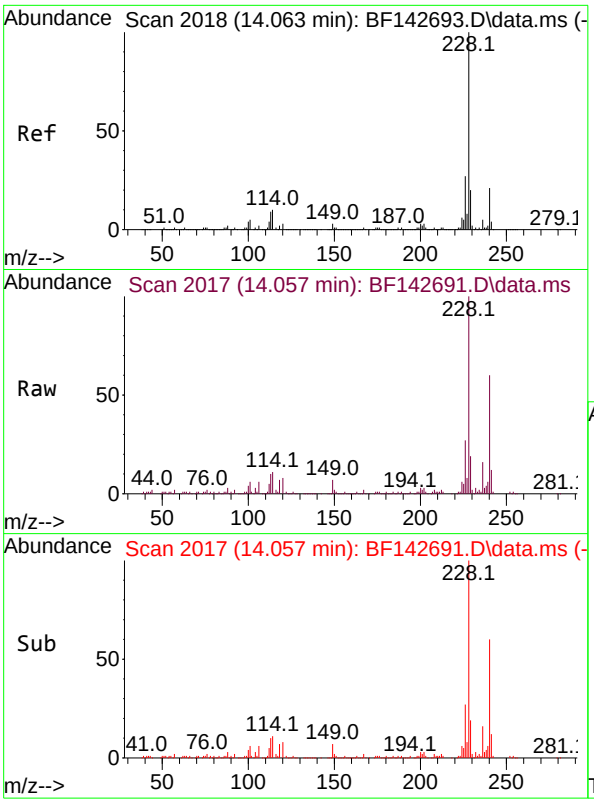


#80
Butylbenzylphthalate
Concen: 8.154 ng
RT: 13.480 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:149 Resp: 56415

Ion	Ratio	Lower	Upper
149	100		
91	64.1	50.5	75.7
206	19.7	16.9	25.3



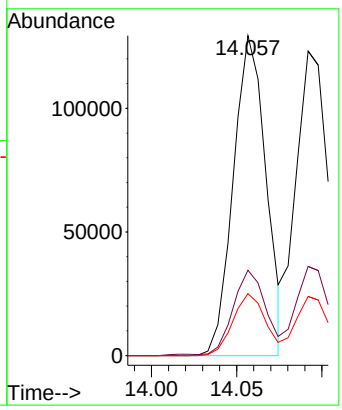


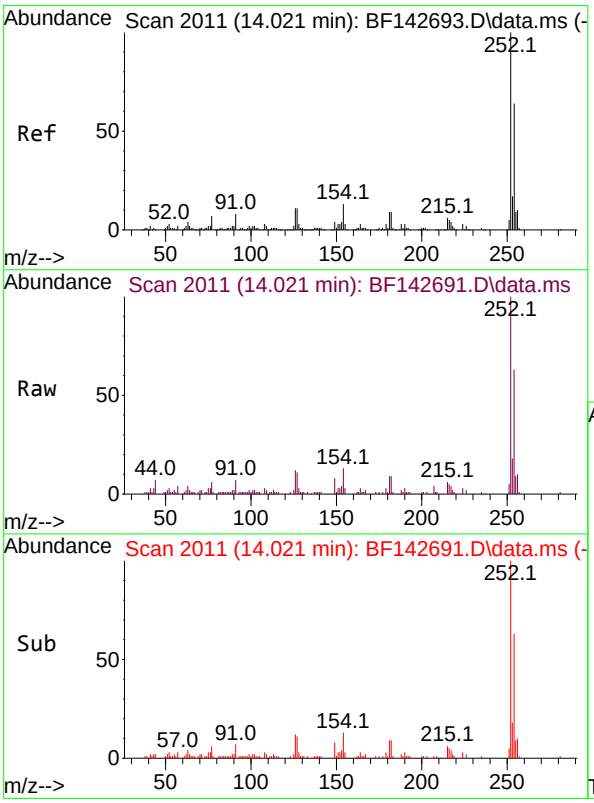
#81
Benzo(a)anthracene
Concen: 9.650 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 172676

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.4	15.8	23.6

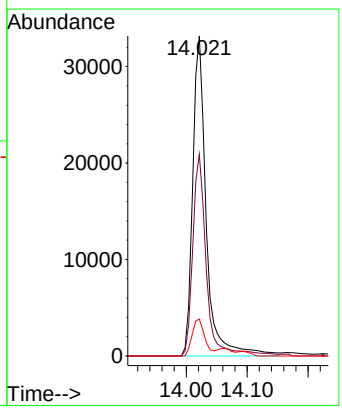


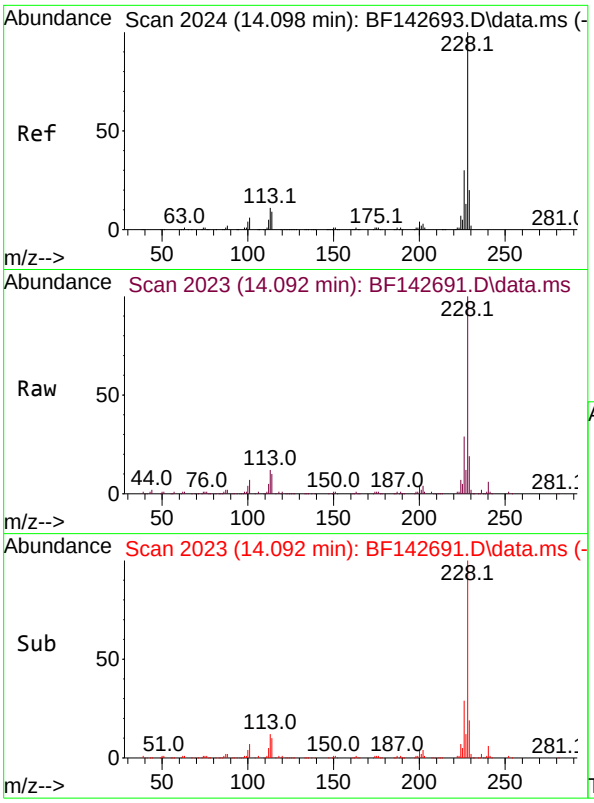


#82
3,3'-Dichlorobenzidine
Concen: 8.993 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:252 Resp: 51441

Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.4	77.2
126	11.5	9.1	13.7



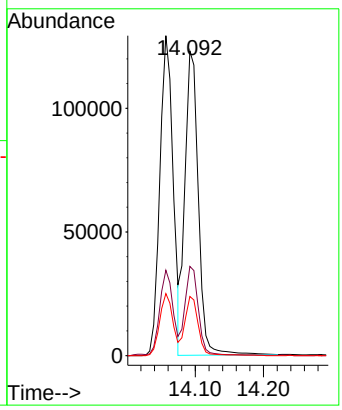


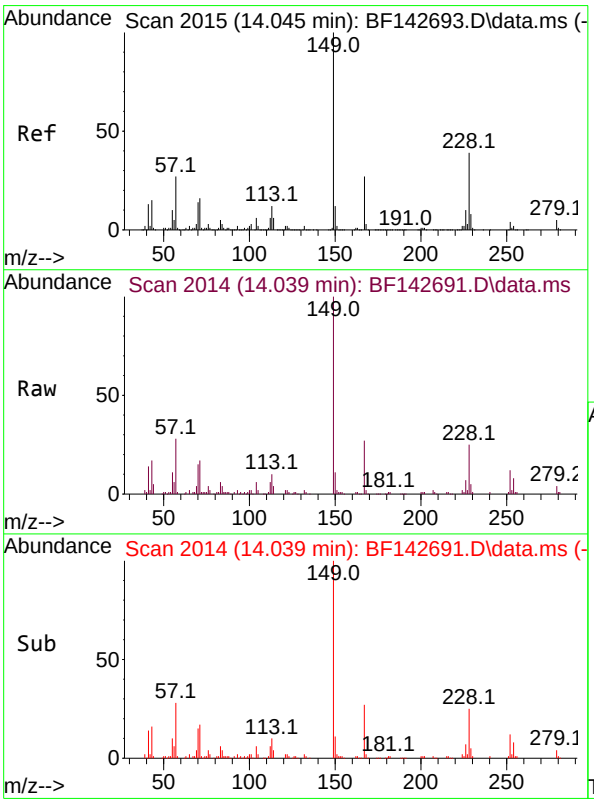
#83
Chrysene
Concen: 9.976 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 169082

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	19.4	15.8	23.6

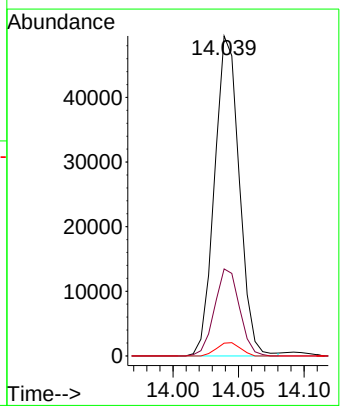


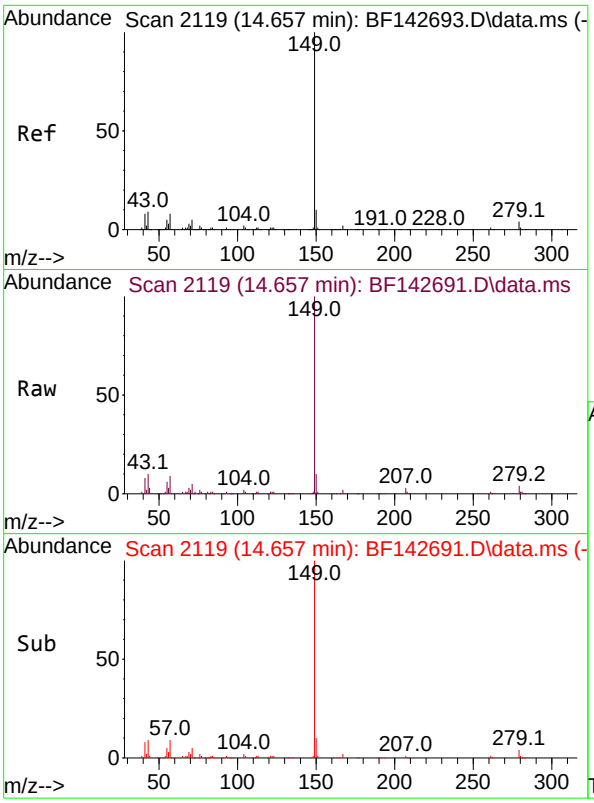


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.223 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:149 Resp: 64954

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.9	32.9
279	4.0	3.6	5.4



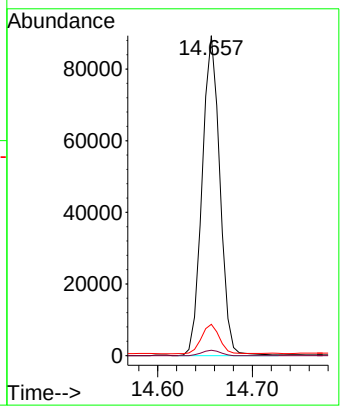


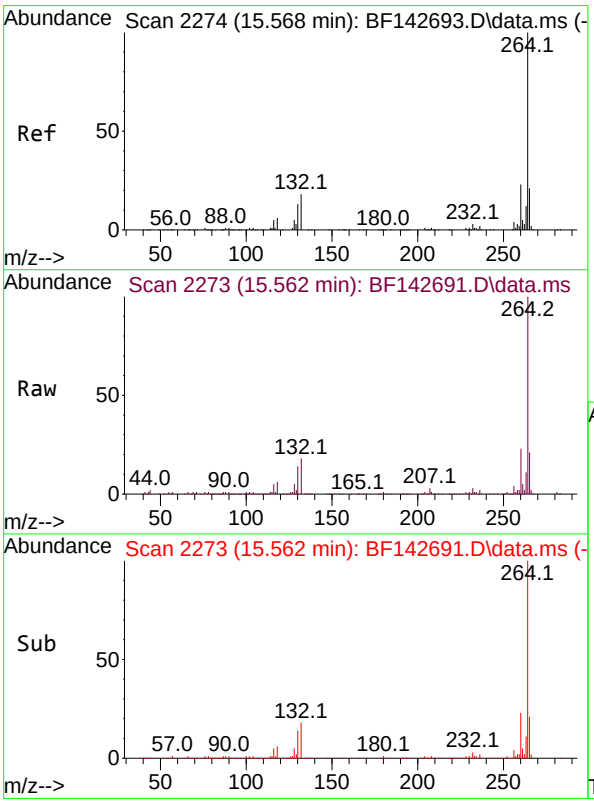
#85
Di-n-octyl phthalate
Concen: 7.602 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 116791

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.4	7.5	11.3

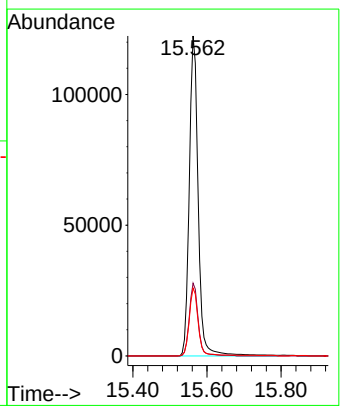


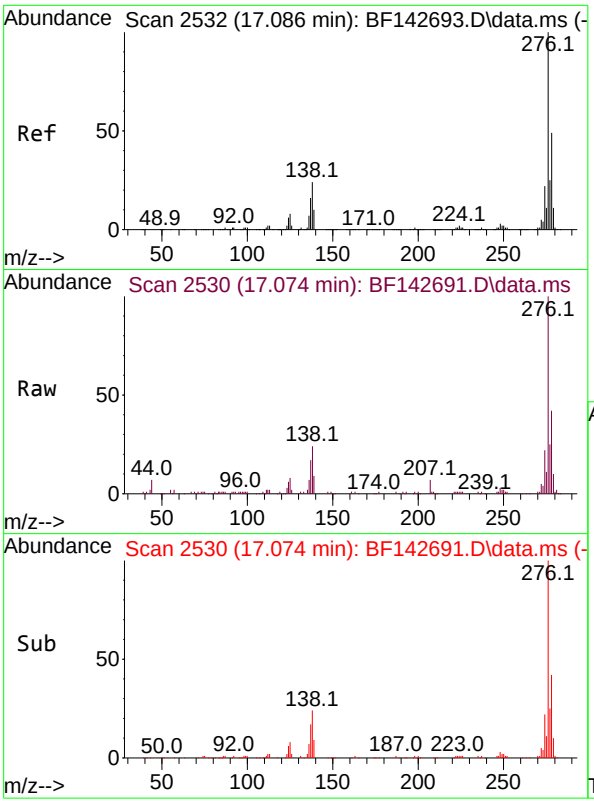


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:264 Resp: 204099

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.2	17.0	25.4



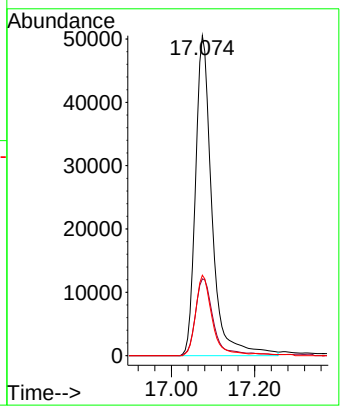


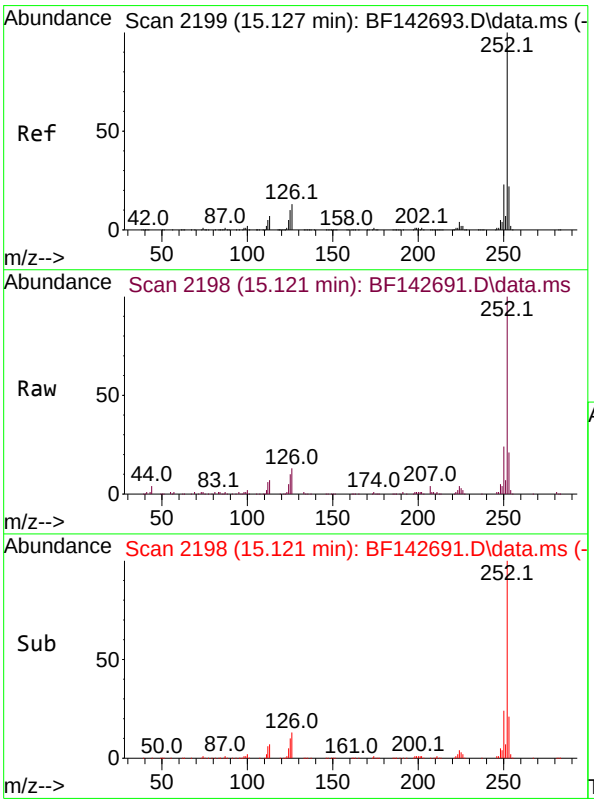
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.620 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 138884

Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.8	31.2
277	24.8	20.2	30.2

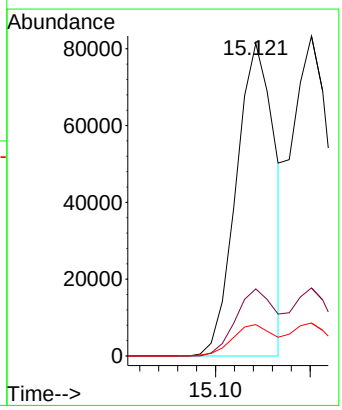


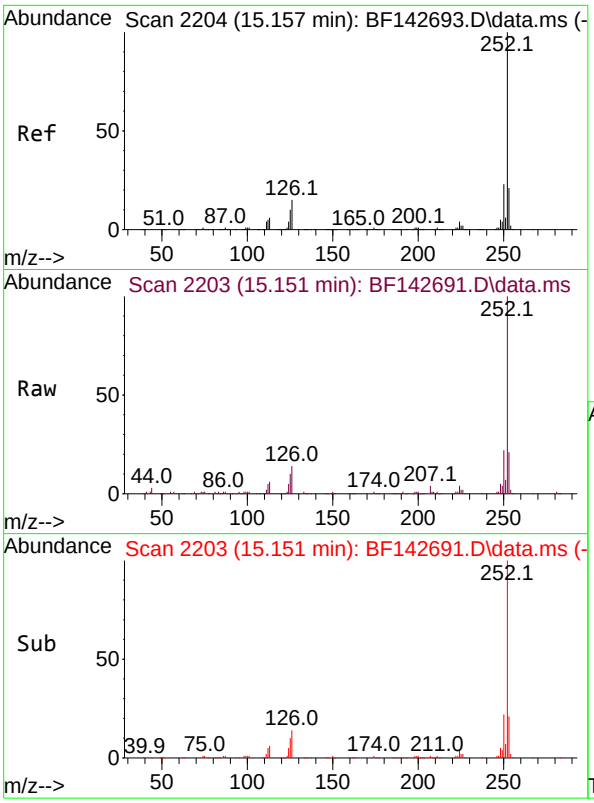


#88
Benzo(b)fluoranthene
Concen: 9.390 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:252 Resp: 114500

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.0	7.8	11.8



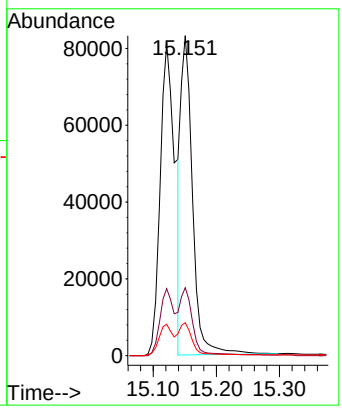


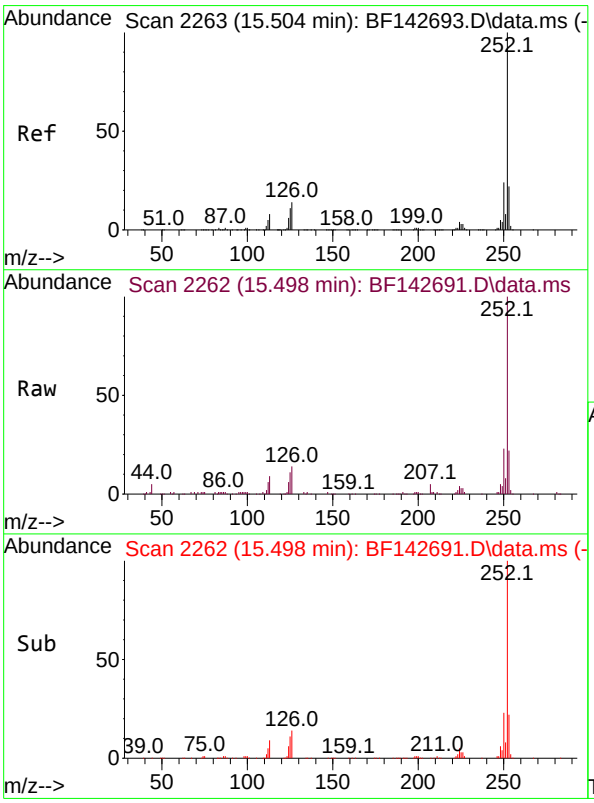
#89
Benzo(k)fluoranthene
Concen: 9.452 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 108461

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	10.3	7.7	11.5

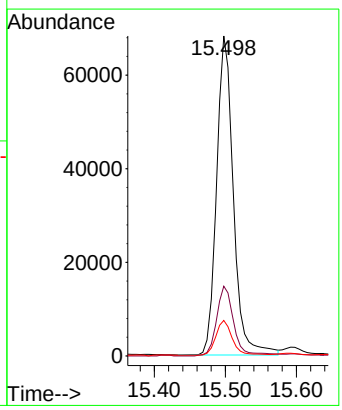


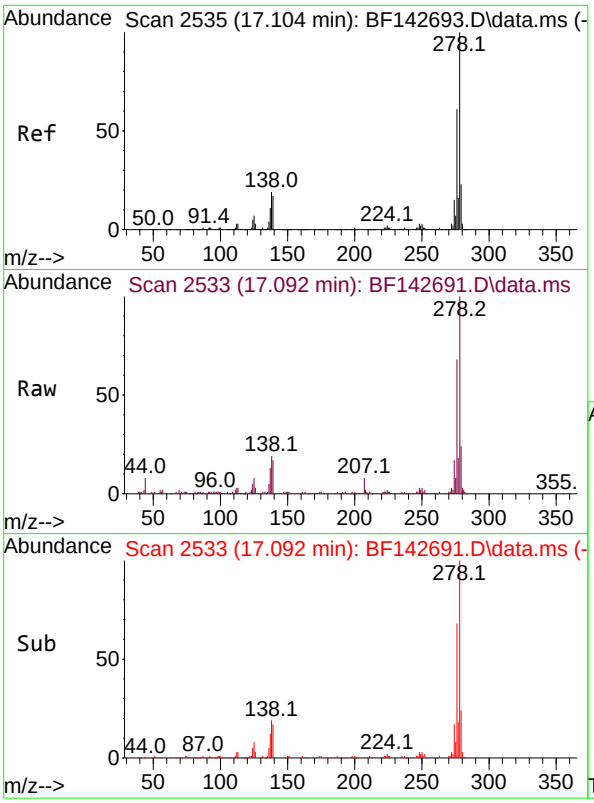


#90
Benzo(a)pyrene
Concen: 9.834 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:252 Resp: 112373

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.1	8.8	13.2



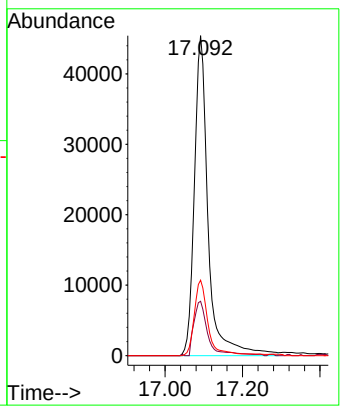


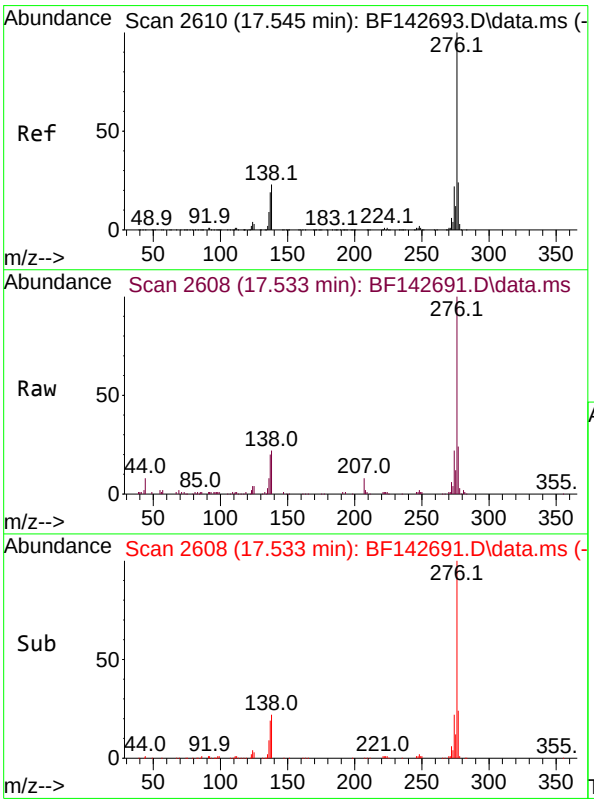
#91
Dibenzo(a,h)anthracene
Concen: 9.638 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 112016

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.4	20.0
279	23.6	18.7	28.1

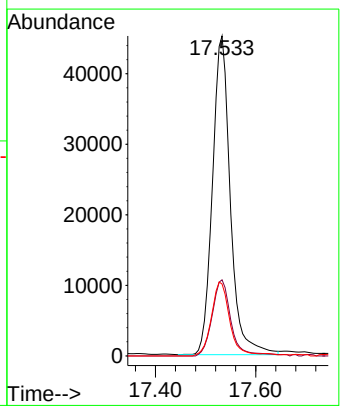




#92
Benzo(g,h,i)perylene
Concen: 9.315 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF142691.D
Acq: 09 Jun 2025 14:07

Tgt Ion:276 Resp: 112108

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.5	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142692.D
Acq On : 09 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 09 17:24:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	97257	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	377794	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	212806	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	371414	20.000	ng		0.00
76) Chrysene-d12	14.069	240	259086	20.000	ng		0.00
86) Perylene-d12	15.568	264	213990	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	253706	44.293	ng		0.00
7) Phenol-d6	6.516	99	263788	39.271	ng		0.00
23) Nitrobenzene-d5	7.457	82	277271	40.334	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	85421	35.728	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	649459	41.737	ng		0.00
79) Terphenyl-d14	13.010	244	667945	40.773	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	44067	20.091	ng		99
3) Pyridine	3.452	79	118578	20.961	ng		100
4) n-Nitrosodimethylamine	3.387	42	56393	20.482	ng		99
6) Aniline	6.551	93	176517	19.573	ng		99
8) 2-Chlorophenol	6.675	128	123266	19.725	ng		98
9) Benzaldehyde	6.445	77	87375	23.074	ng		100
10) Phenol	6.534	94	148211	19.704	ng		95
11) bis(2-Chloroethyl)ether	6.628	93	105741	19.296	ng		98
12) 1,3-Dichlorobenzene	6.834	146	141389	20.202	ng		100
13) 1,4-Dichlorobenzene	6.910	146	146858	20.522	ng		98
14) 1,2-Dichlorobenzene	7.063	146	146565	21.481	ng		98
15) Benzyl Alcohol	7.034	79	102221	20.804	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	196048	21.971	ng		99
17) 2-Methylphenol	7.145	107	103484	21.595	ng		98
18) Hexachloroethane	7.410	117	51005	20.747	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	89745	22.792	ng		98
20) 3+4-Methylphenols	7.298	107	132491	22.450	ng	#	87
22) Acetophenone	7.298	105	177845	21.535	ng		99
24) Nitrobenzene	7.475	77	125527	20.247	ng		98
25) Isophorone	7.716	82	208716	18.714	ng		99
26) 2-Nitrophenol	7.792	139	64761	18.937	ng		99
27) 2,4-Dimethylphenol	7.828	122	111560	19.195	ng		97
28) bis(2-Chloroethoxy)met...	7.922	93	130451	18.649	ng		99
29) 2,4-Dichlorophenol	8.034	162	106135	19.933	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	118388	20.384	ng		99
31) Naphthalene	8.204	128	380874	20.459	ng		100
32) Benzoic acid	7.916	122	63100m	17.884	ng		
33) 4-Chloroaniline	8.251	127	156125	20.399	ng		99
34) Hexachlorobutadiene	8.316	225	73933	20.669	ng		99
35) Caprolactam	8.598	113	32693	19.991	ng		98
36) 4-Chloro-3-methylphenol	8.728	107	110605	20.139	ng		96
37) 2-Methylnaphthalene	8.892	142	249705	21.317	ng		99
38) 1-Methylnaphthalene	8.992	142	244862	20.186	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	120558	19.603	ng		99
41) Hexachlorocyclopentadiene	9.045	237	63688	17.635	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	78817	19.532	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142692.D
Acq On : 09 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 09 17:24:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	87384	20.274	ng	97
46) 1,1'-Biphenyl	9.357	154	331680	20.044	ng	99
47) 2-Chloronaphthalene	9.381	162	244779	19.742	ng	99
48) 2-Nitroaniline	9.475	65	73463	19.911	ng	96
49) Acenaphthylene	9.798	152	433080	21.075	ng	99
50) Dimethylphthalate	9.651	163	280352	19.581	ng	100
51) 2,6-Dinitrotoluene	9.716	165	61708	19.923	ng	99
52) Acenaphthene	9.969	154	237722	18.911	ng	100
53) 3-Nitroaniline	9.886	138	71082	20.425	ng	100
54) 2,4-Dinitrophenol	9.992	184	27973	16.313	ng	92
55) Dibenzofuran	10.139	168	331063	18.358	ng	100
56) 4-Nitrophenol	10.045	139	40491	16.927	ng	97
57) 2,4-Dinitrotoluene	10.122	165	75034	18.073	ng	100
58) Fluorene	10.486	166	259108	17.976	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	63281	17.448	ng	96
60) Diethylphthalate	10.351	149	243045	17.485	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	123423	18.110	ng	98
62) 4-Nitroaniline	10.492	138	56537	17.125	ng	96
63) Azobenzene	10.633	77	222084	17.836	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	38913	16.427	ng	93
66) n-Nitrosodiphenylamine	10.592	169	220938	18.424	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	79084	19.264	ng	98
68) Hexachlorobenzene	11.033	284	92210	19.548	ng	99
69) Atrazine	11.116	200	70625	19.420	ng	99
70) Pentachlorophenol	11.228	266	49559	19.104	ng	99
71) Phenanthrene	11.451	178	415156	20.909	ng	99
72) Anthracene	11.504	178	425173	20.634	ng	100
73) Carbazole	11.657	167	363297	19.580	ng	99
74) Di-n-butylphthalate	11.980	149	419608	21.302	ng	100
75) Fluoranthene	12.639	202	387964	19.501	ng	100
77) Benzidine	12.763	184	184649	20.650	ng	99
78) Pyrene	12.869	202	411487	19.491	ng	100
80) Butylbenzylphthalate	13.486	149	132895	20.441	ng	98
81) Benzo(a)anthracene	14.057	228	351303	20.893	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	105486	19.626	ng	98
83) Chrysene	14.098	228	309949	19.461	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	138732	18.690	ng	99
85) Di-n-octyl phthalate	14.657	149	246651	17.085	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	305204	20.163	ng	99
88) Benzo(b)fluoranthene	15.121	252	273218	21.371	ng	99
89) Benzo(k)fluoranthene	15.151	252	233601	19.417	ng	99
90) Benzo(a)pyrene	15.498	252	239654	20.004	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	248970	20.432	ng	99
92) Benzo(g,h,i)perylene	17.533	276	245955	19.493	ng	99

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

ICAL Form

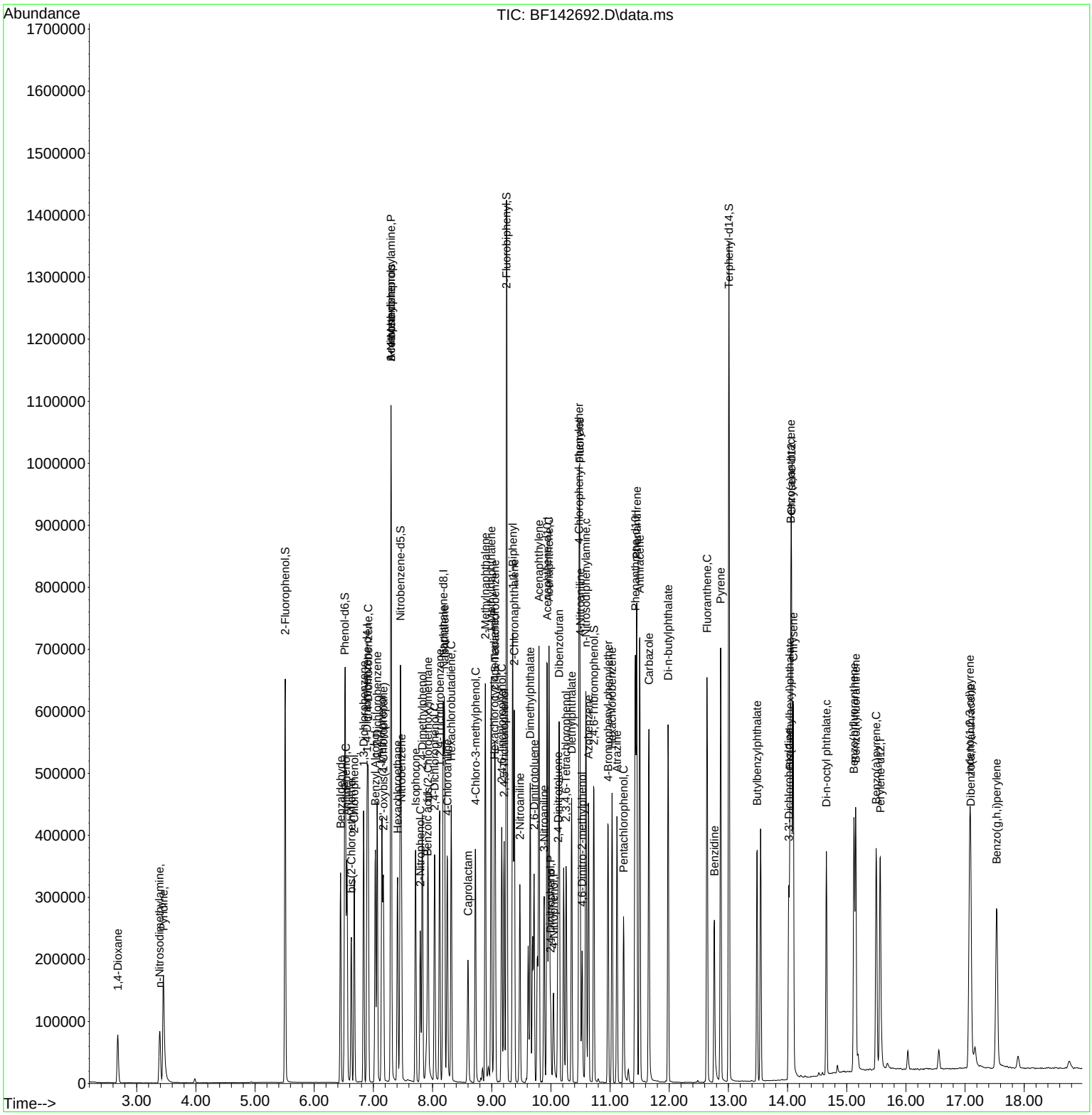
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142692.D
Acq On : 09 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

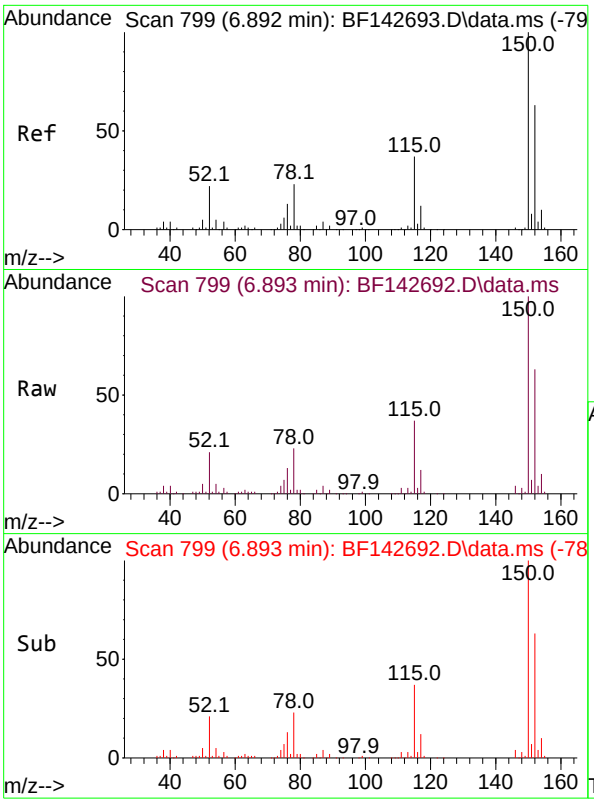
Quant Time: Jun 09 17:24:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

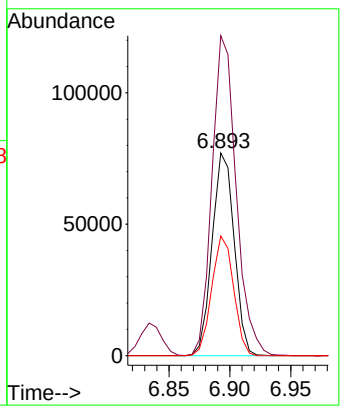




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:152 Resp: 9725

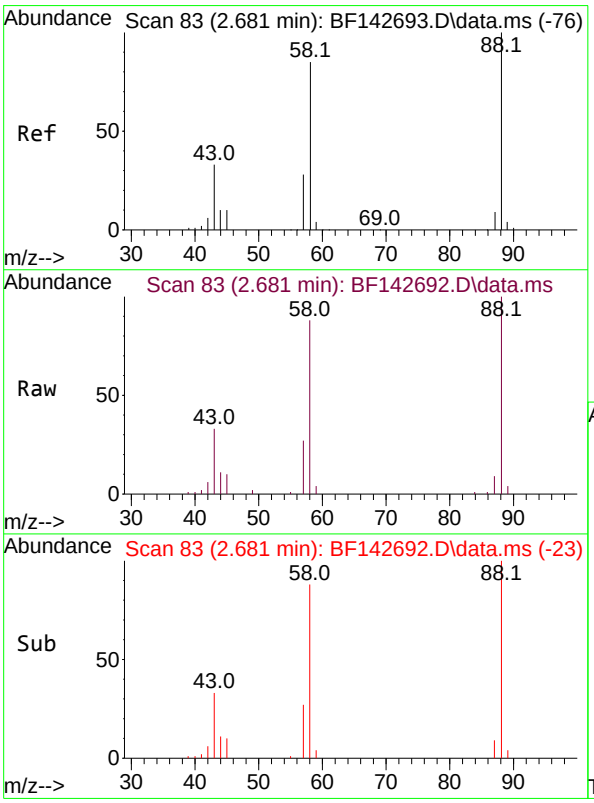
Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.8	190.2
115	59.0	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

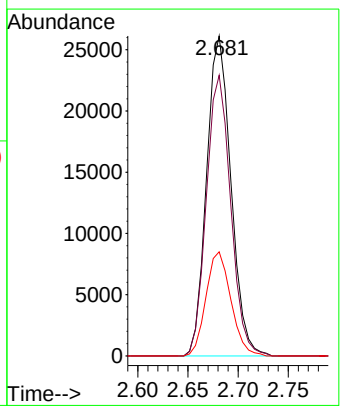
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

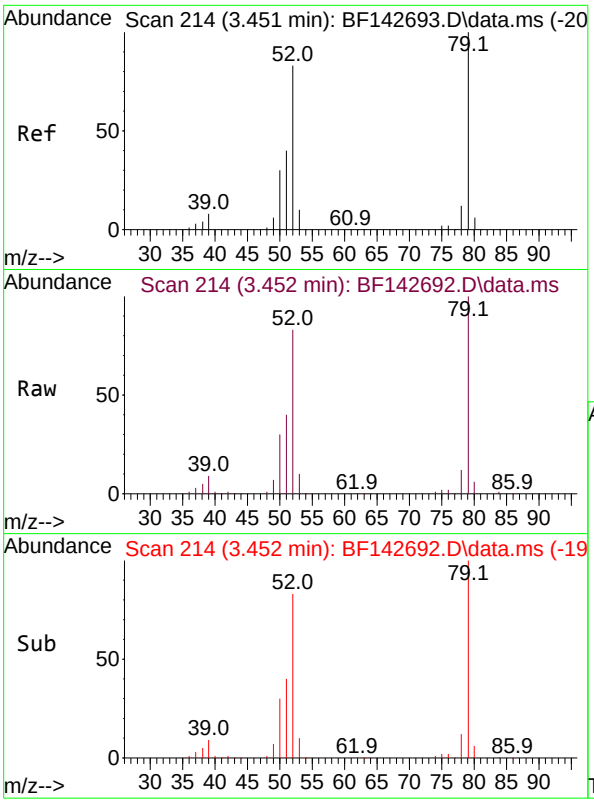


#2
1,4-Dioxane
Concen: 20.091 ng
RT: 2.681 min Scan# 83
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 88 Resp: 44067

Ion	Ratio	Lower	Upper
88	100		
58	87.6	69.2	103.8
43	33.2	26.3	39.5

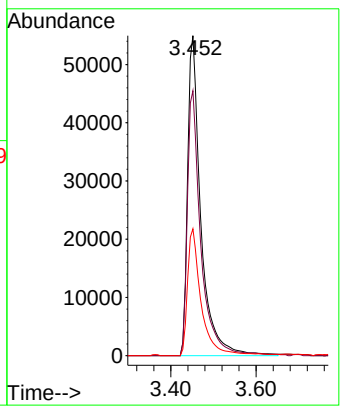




#3
Pyridine
Concen: 20.961 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 79 Resp: 11857

Ion	Ratio	Lower	Upper
79	100		
52	82.8	66.6	99.8
51	39.6	31.7	47.5



Instrument :
BNA_F
ClientSampleId :
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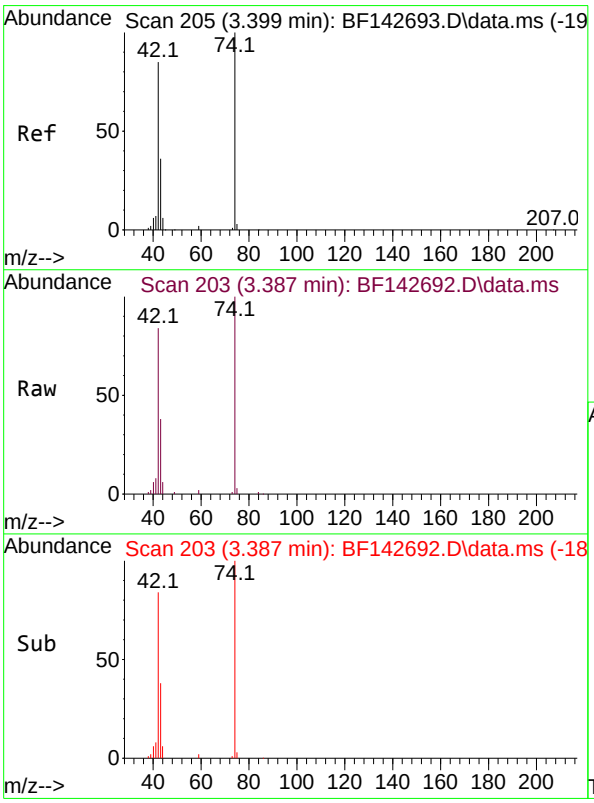
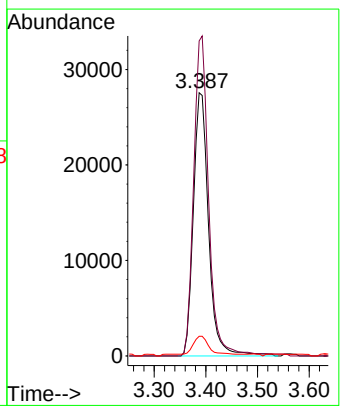
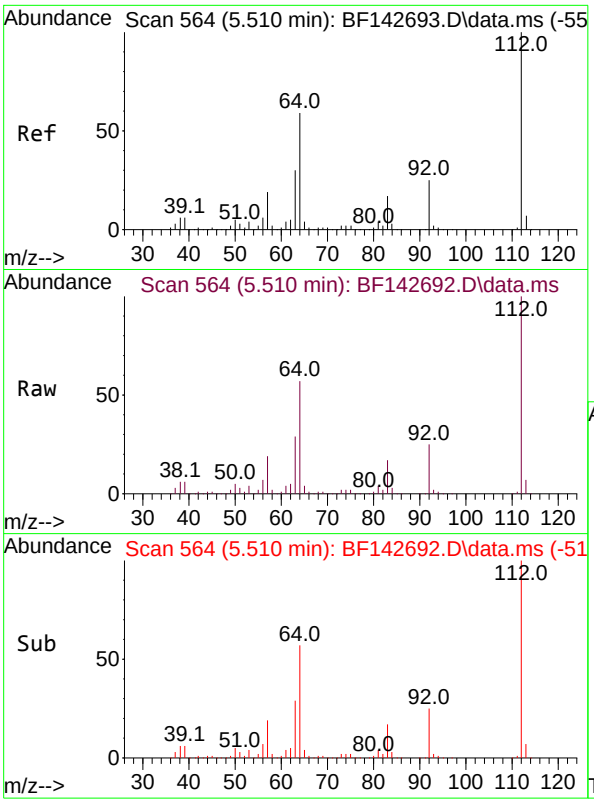


#4
n-Nitrosodimethylamine
Concen: 20.482 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 42 Resp: 56393

Ion	Ratio	Lower	Upper
42	100		
74	119.7	94.5	141.7
44	7.4	5.6	8.4

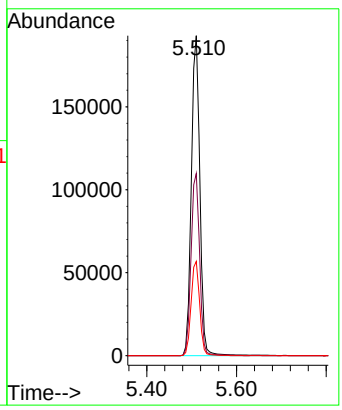




#5
2-Fluorophenol
Concen: 44.293 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:112 Resp: 25370

Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.9	70.3
63	29.4	24.3	36.5



Instrument :
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ClientSampleId :
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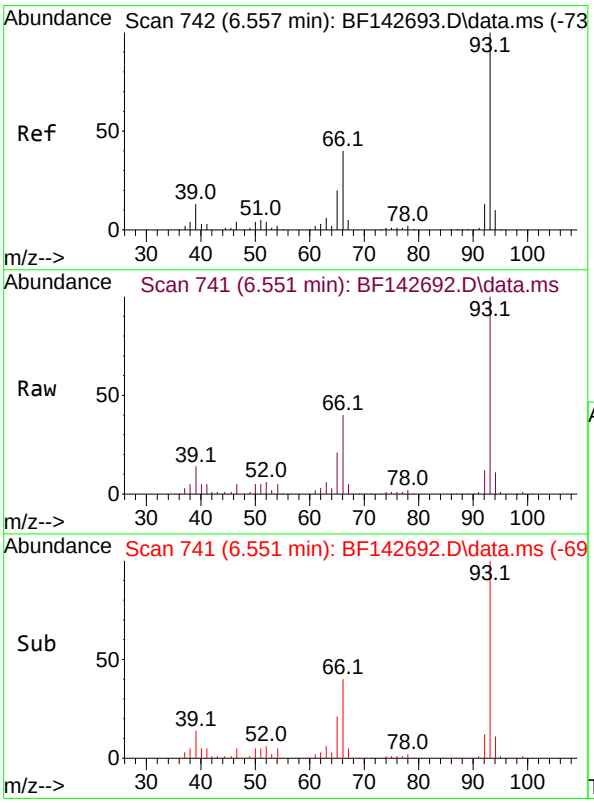
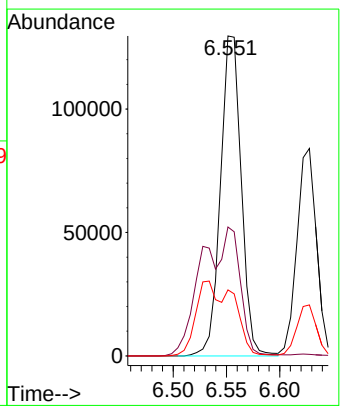
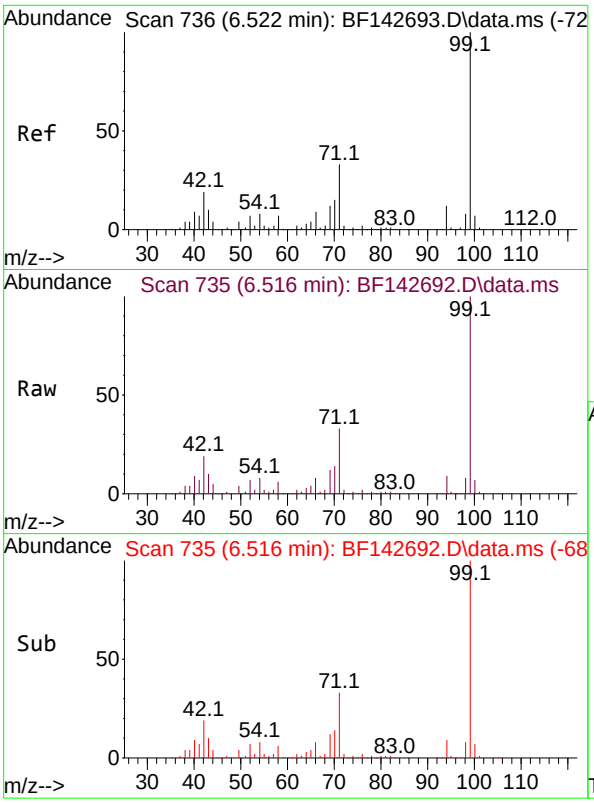


#6
Aniline
Concen: 19.573 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 93 Resp: 176517

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.8	49.2
65	20.6	16.4	24.6

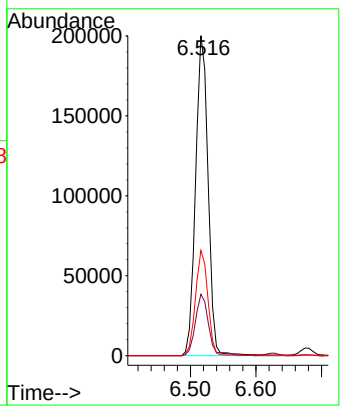




#7
Phenol-d6
Concen: 39.271 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 99 Resp: 26378

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	32.8	26.3	39.5



Instrument :
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ClientSampleId :
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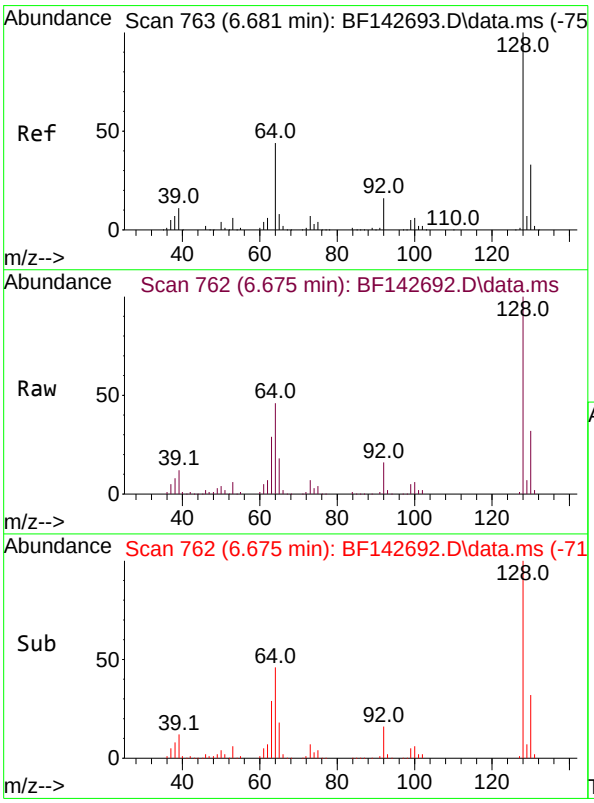
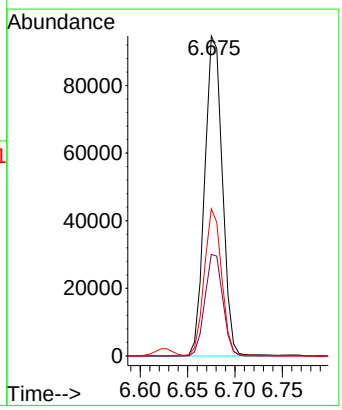
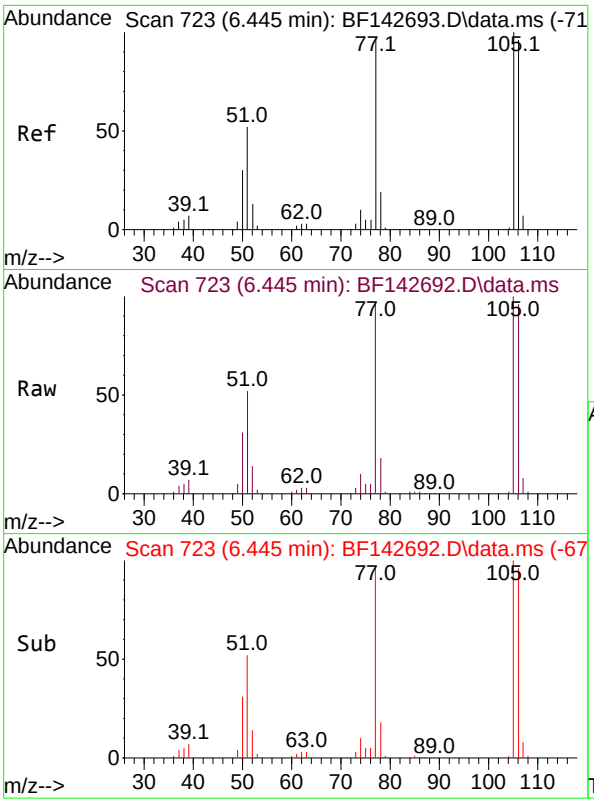


#8
2-Chlorophenol
Concen: 19.725 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:128 Resp: 123266

Ion	Ratio	Lower	Upper
128	100		
130	31.7	13.3	53.3
64	45.9	25.4	65.4

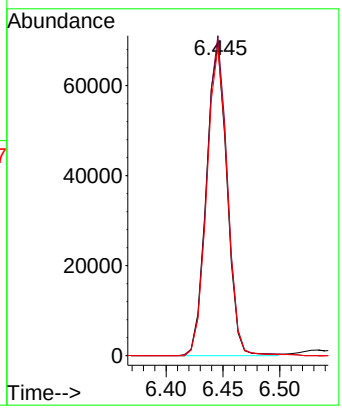




#9
Benzaldehyde
Concen: 23.074 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 77 Resp: 8737

Ion	Ratio	Lower	Upper
77	100		
105	103.0	83.2	123.2
106	99.1	78.7	118.7



Instrument :
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ClientSampleId :
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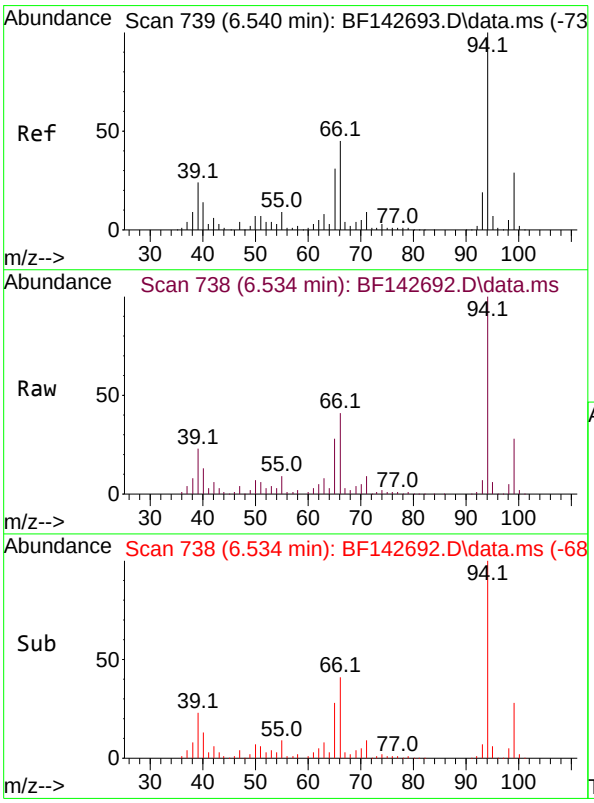
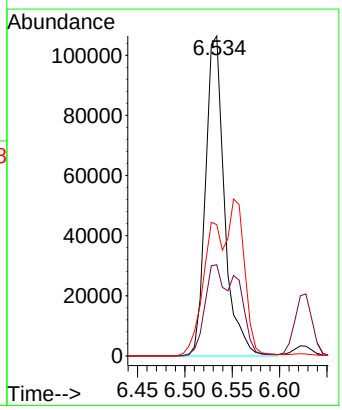
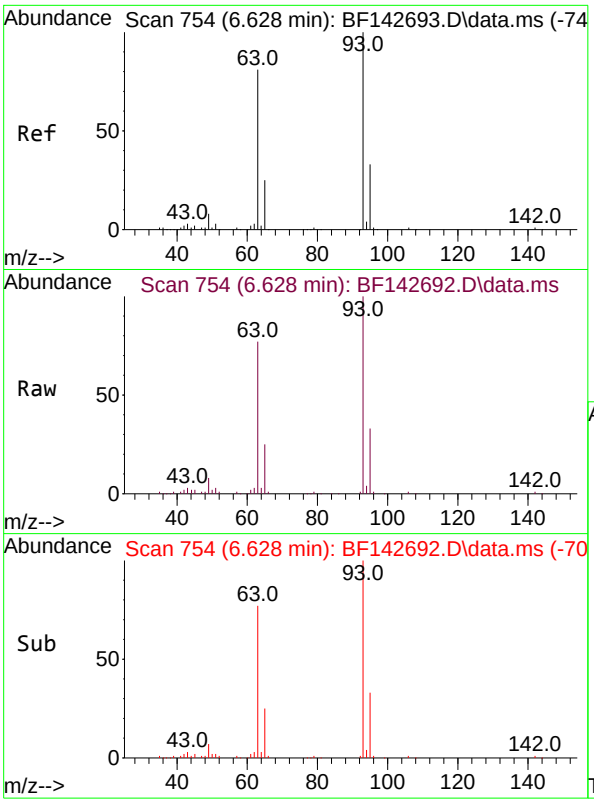


#10
Phenol
Concen: 19.704 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 94 Resp: 148211

Ion	Ratio	Lower	Upper
94	100		
65	28.5	11.0	51.0
66	41.0	24.9	64.9

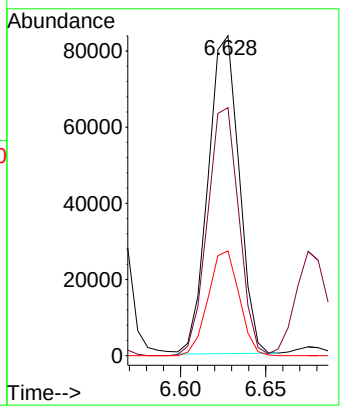




#11
bis(2-Chloroethyl)ether
Concen: 19.296 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 93 Resp: 10574

Ion	Ratio	Lower	Upper
93	100		
63	77.5	60.0	100.0
95	32.7	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
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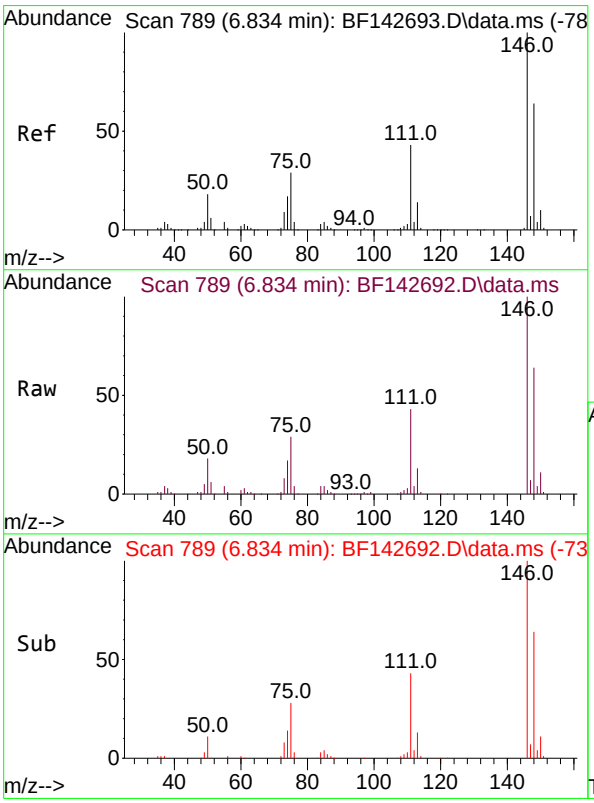
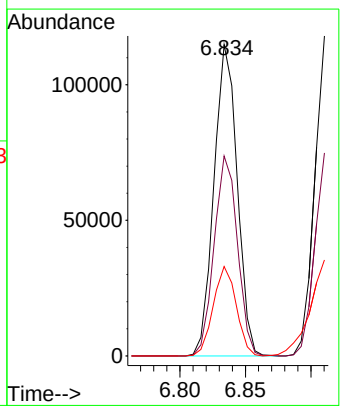
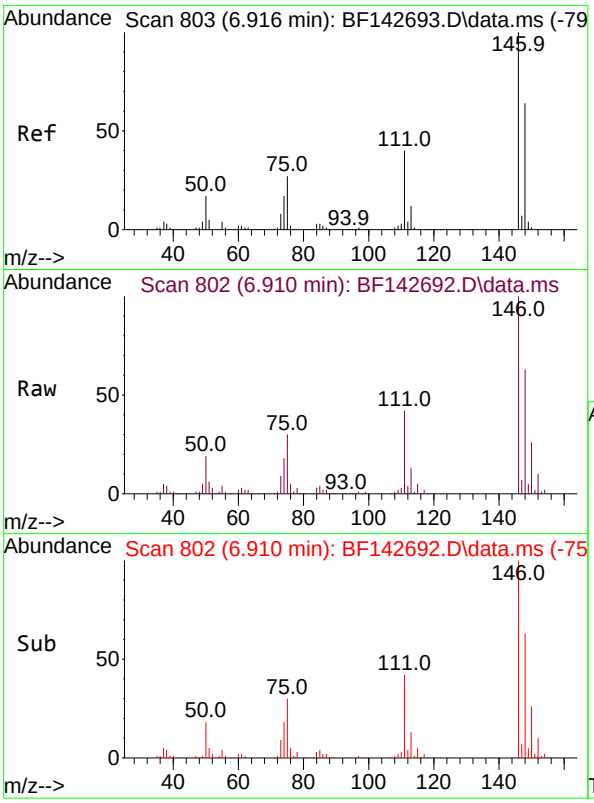


#12
1,3-Dichlorobenzene
Concen: 20.202 ng
RT: 6.834 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:146 Resp: 141389

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	28.7	23.1	34.7

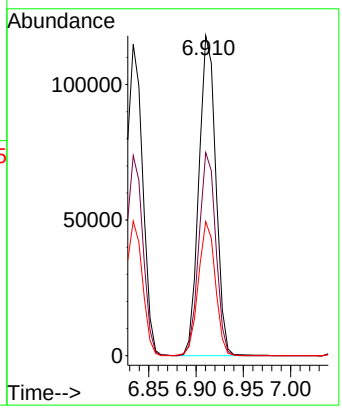




#13
1,4-Dichlorobenzene
Concen: 20.522 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:146 Resp: 14685

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	41.9	31.8	47.8



Instrument :
BNA_F
ClientSampleId :
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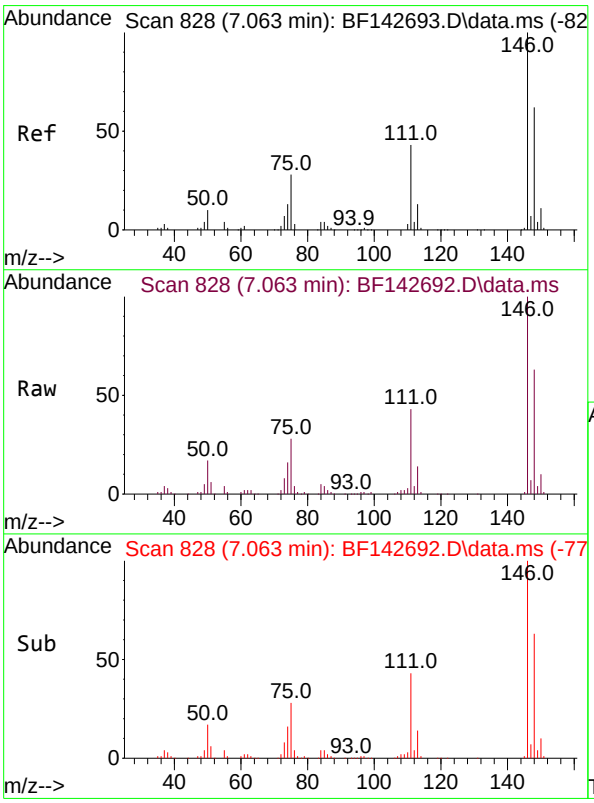
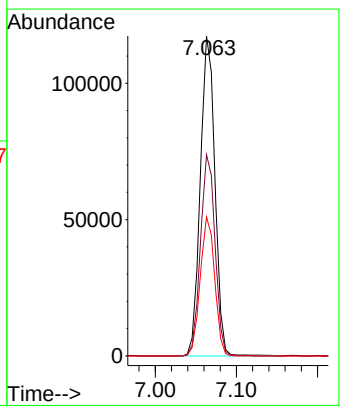
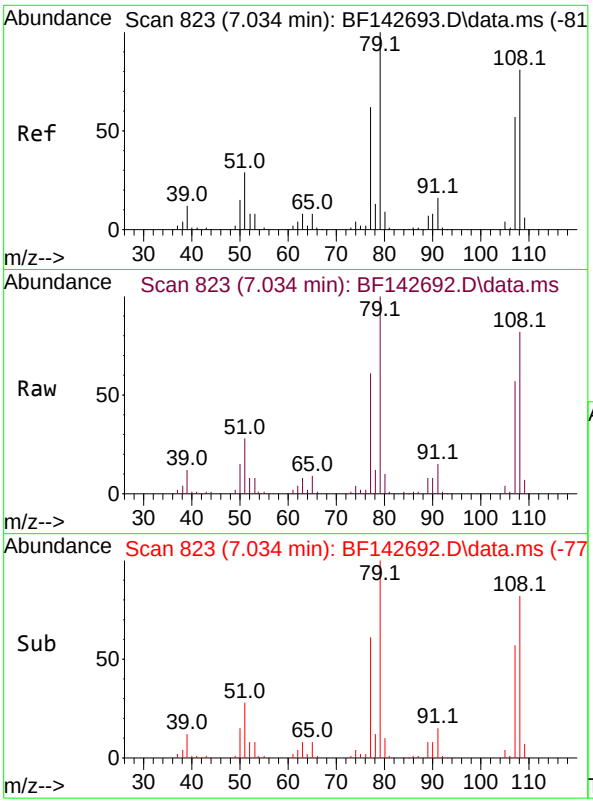


#14
1,2-Dichlorobenzene
Concen: 21.481 ng
RT: 7.063 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:146 Resp: 146565

Ion	Ratio	Lower	Upper
146	100		
148	62.9	49.3	73.9
111	43.4	34.1	51.1





#15
Benzyl Alcohol
Concen: 20.804 ng
RT: 7.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 79 Resp: 10222

Ion	Ratio	Lower	Upper
79	100		
108	81.7	64.8	97.2
77	60.8	49.4	74.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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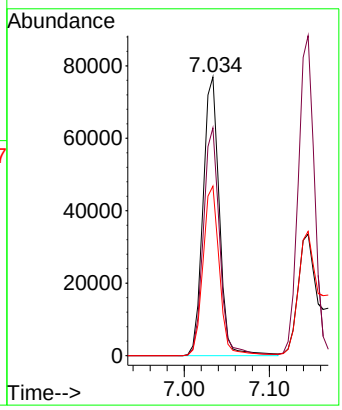
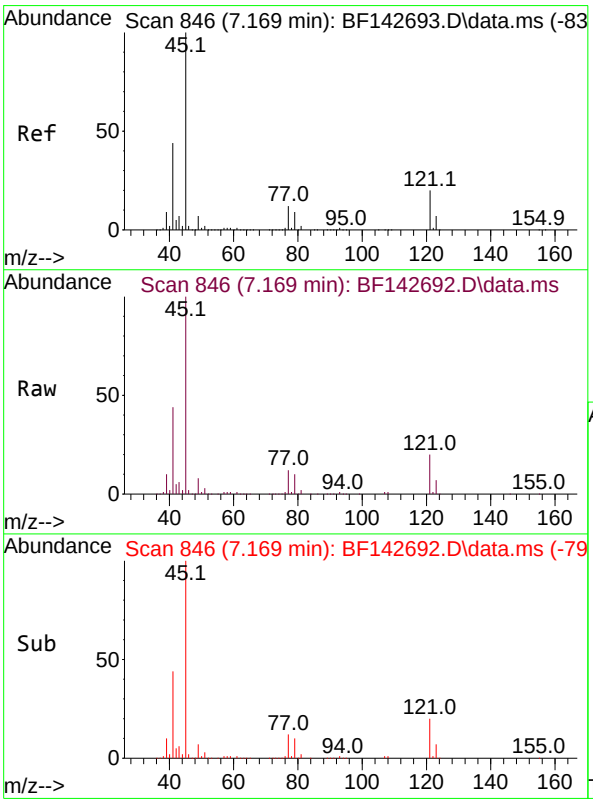
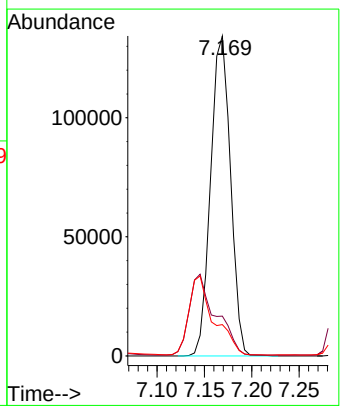


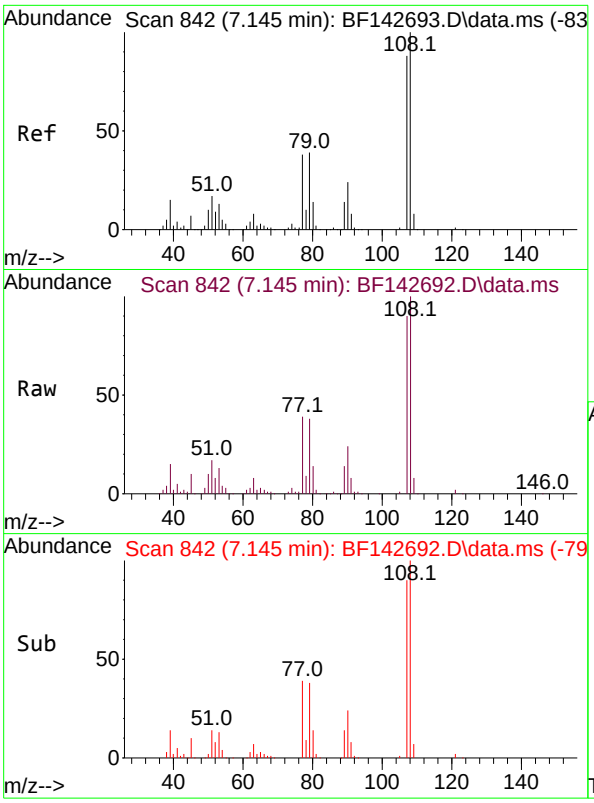


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.971 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 45 Resp: 196048

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	32.8
79	9.8	0.0	30.3

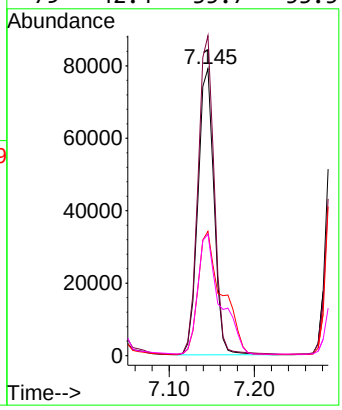




#17
2-Methylphenol
Concen: 21.595 ng
RT: 7.145 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:107 Resp: 10348

Ion	Ratio	Lower	Upper
107	100		
108	111.5	91.0	136.4
77	43.3	34.9	52.3
79	42.4	35.7	53.5



Instrument :
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ClientSampleId :
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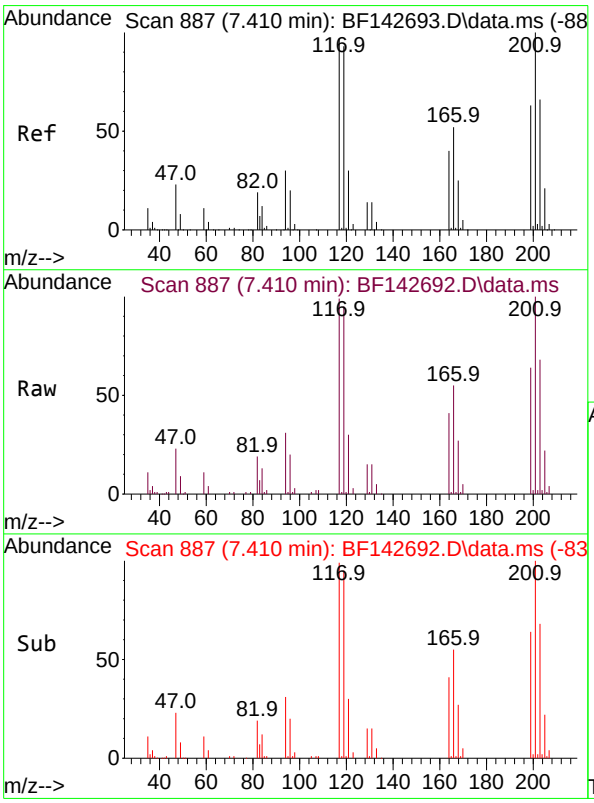
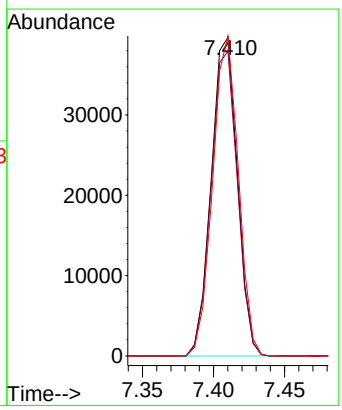
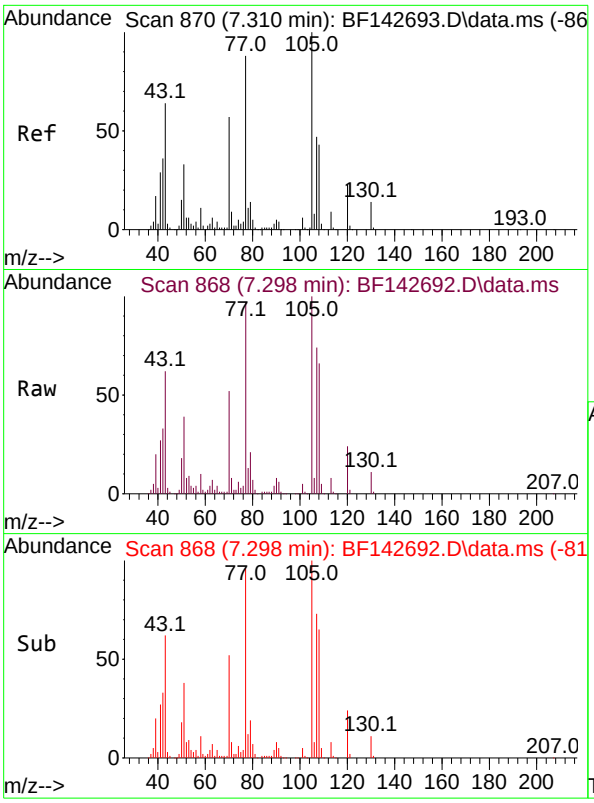


#18
Hexachloroethane
Concen: 20.747 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:117 Resp: 51005

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.1	115.7
201	100.5	82.6	123.8

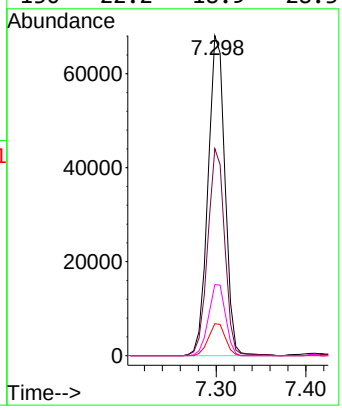




#19
n-Nitroso-di-n-propylamine
Concen: 22.792 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 70 Resp: 8974

Ion	Ratio	Lower	Upper
70	100		
42	64.7	50.1	75.1
101	10.0	8.1	12.1
130	22.2	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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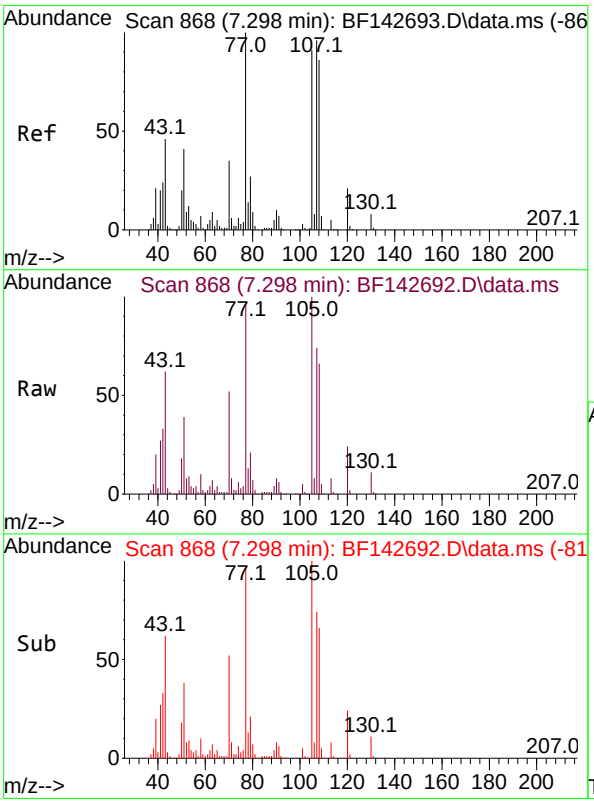
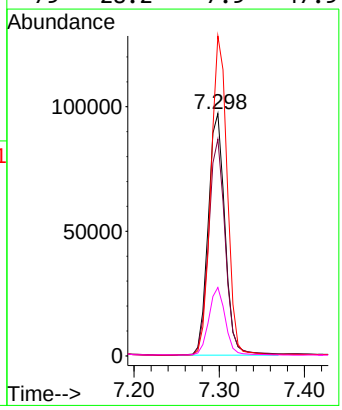
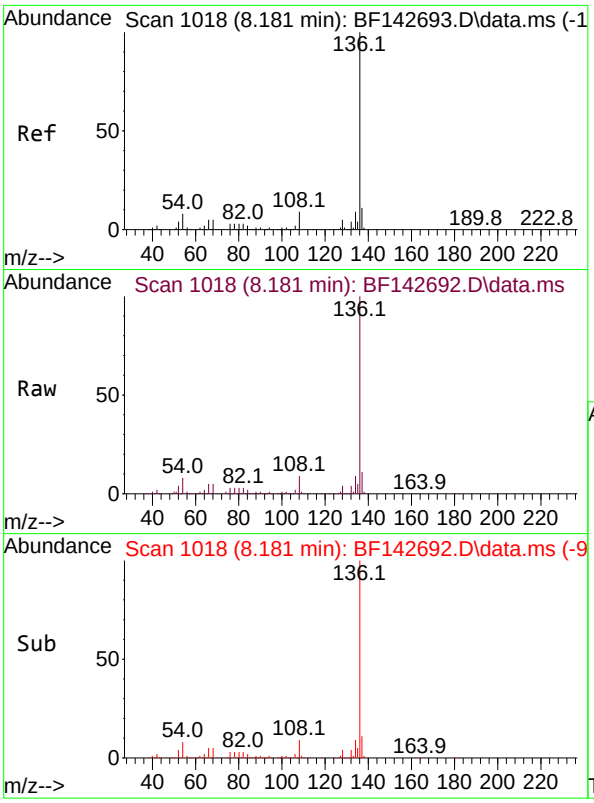


#20
3+4-Methylphenols
Concen: 22.450 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:107 Resp: 132491

Ion	Ratio	Lower	Upper
107	100		
108	89.4	69.5	109.5
77	132.0	83.6	123.6#
79	28.2	7.9	47.9

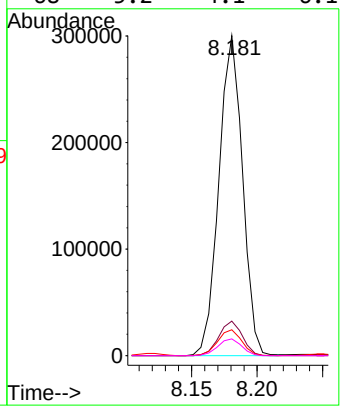




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:136 Resp: 377794

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	6.4	9.6
68	5.2	4.1	6.1



Instrument :
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ClientSampleId :
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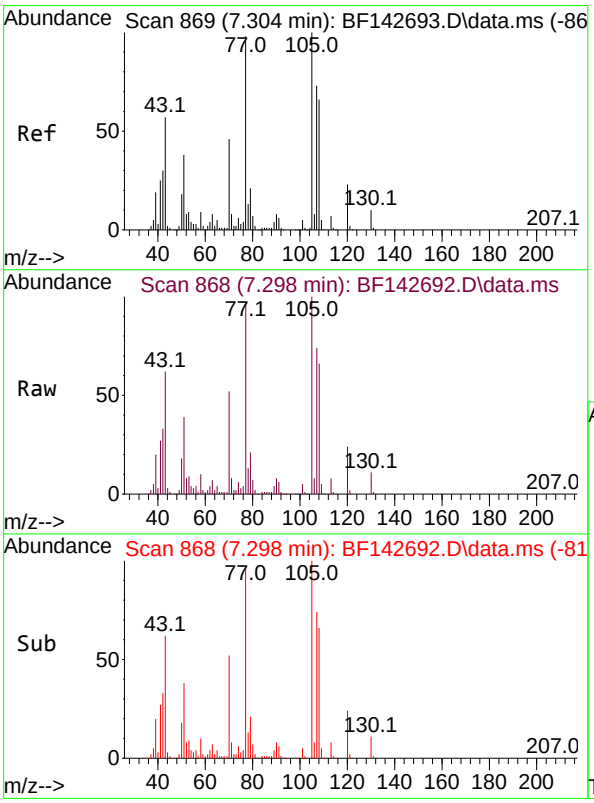
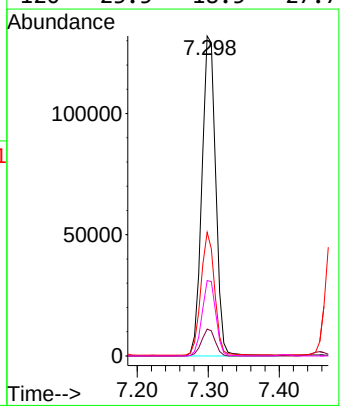
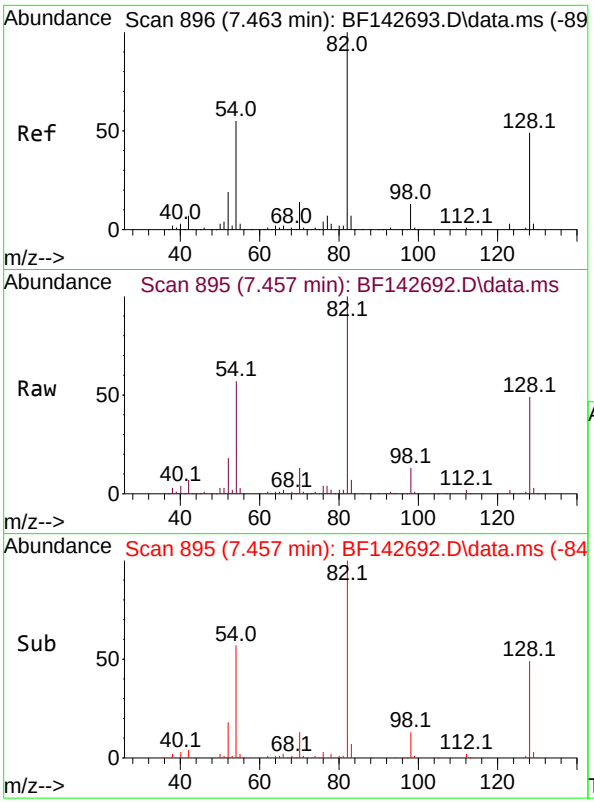


#22
Acetophenone
Concen: 21.535 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:105 Resp: 177845

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.2	9.2
51	38.7	30.8	46.2
120	23.5	18.5	27.7

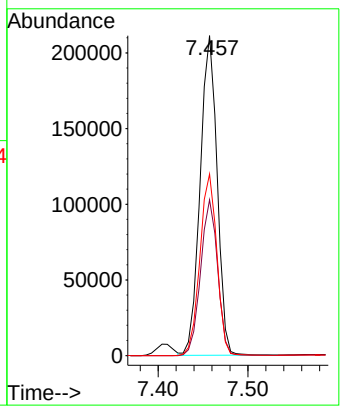




#23
Nitrobenzene-d5
Concen: 40.334 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 82 Resp: 27727

Ion	Ratio	Lower	Upper
82	100		
128	48.7	39.3	58.9
54	56.7	44.2	66.2



Instrument :
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ClientSampleId :
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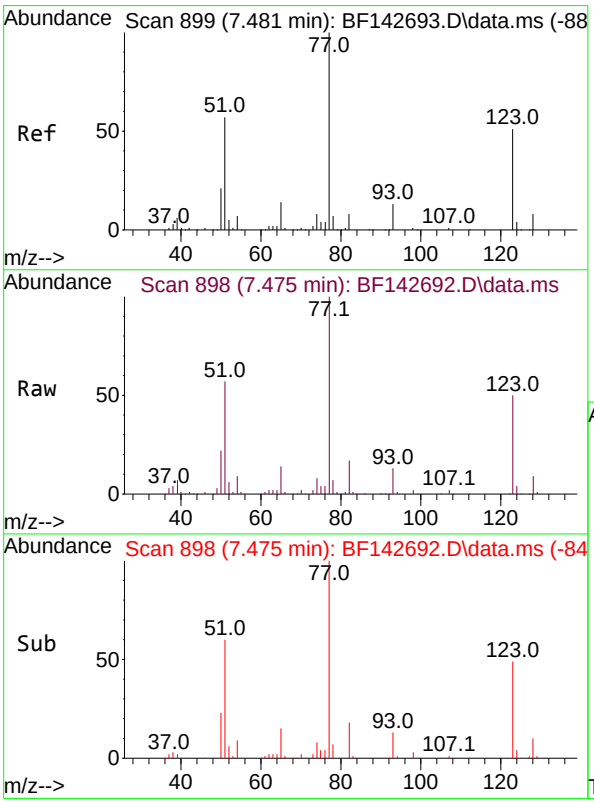
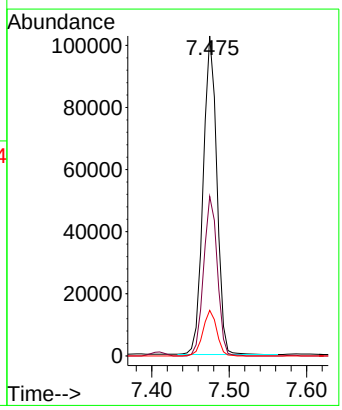
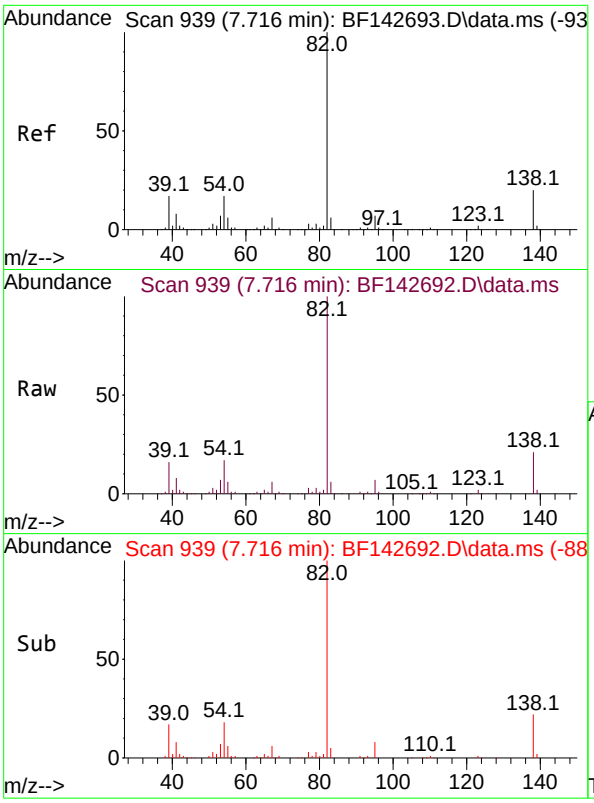


#24
Nitrobenzene
Concen: 20.247 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 77 Resp: 125527

Ion	Ratio	Lower	Upper
77	100		
123	49.8	41.3	61.9
65	14.2	11.2	16.8

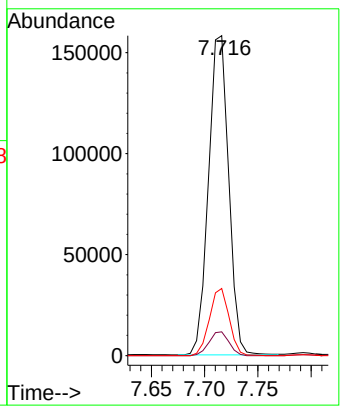




#25
Isophorone
Concen: 18.714 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 82 Resp: 20871

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	21.0	16.1	24.1



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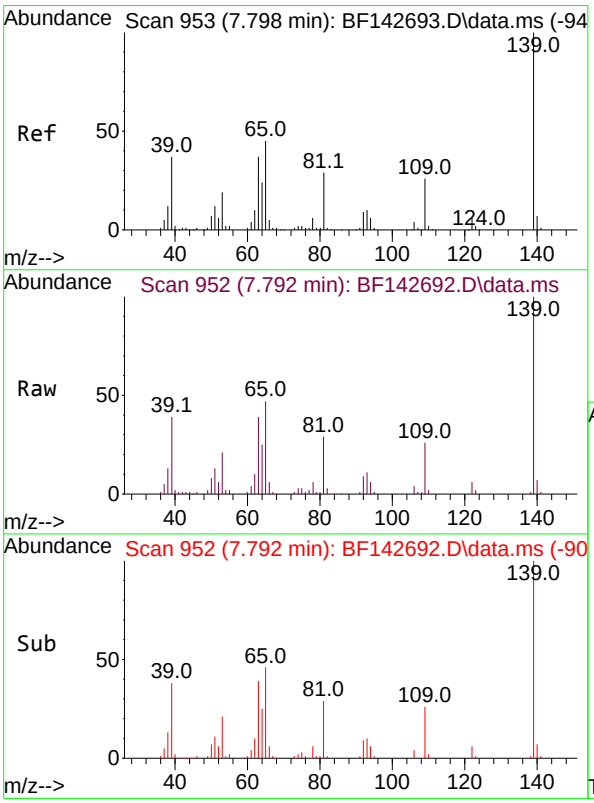
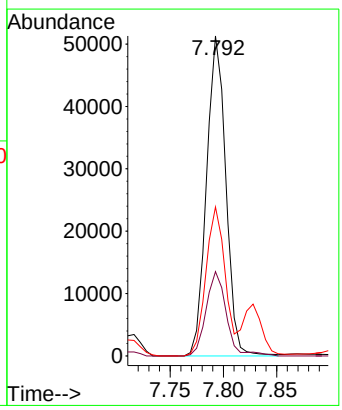
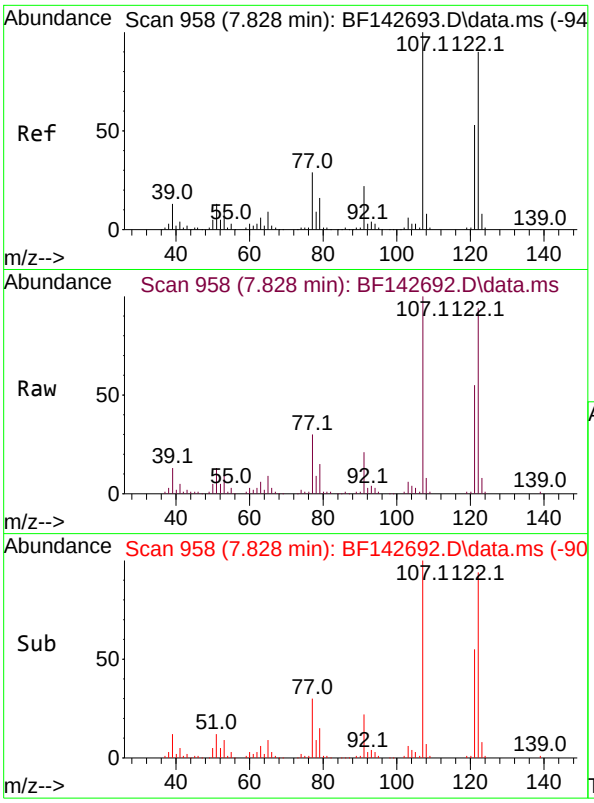


#26
2-Nitrophenol
Concen: 18.937 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:139 Resp: 64761

Ion	Ratio	Lower	Upper
139	100		
109	26.3	21.0	31.6
65	46.5	36.2	54.2

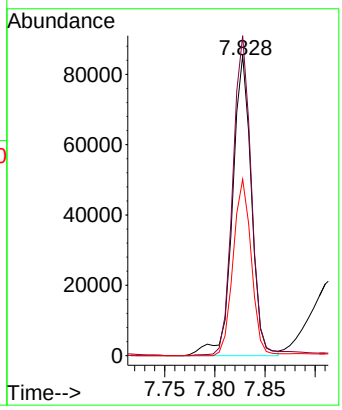




#27
2,4-Dimethylphenol
Concen: 19.195 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:122 Resp: 11156

Ion	Ratio	Lower	Upper
122	100		
107	106.6	89.4	134.2
121	58.8	47.1	70.7



Instrument :
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ClientSampleId :
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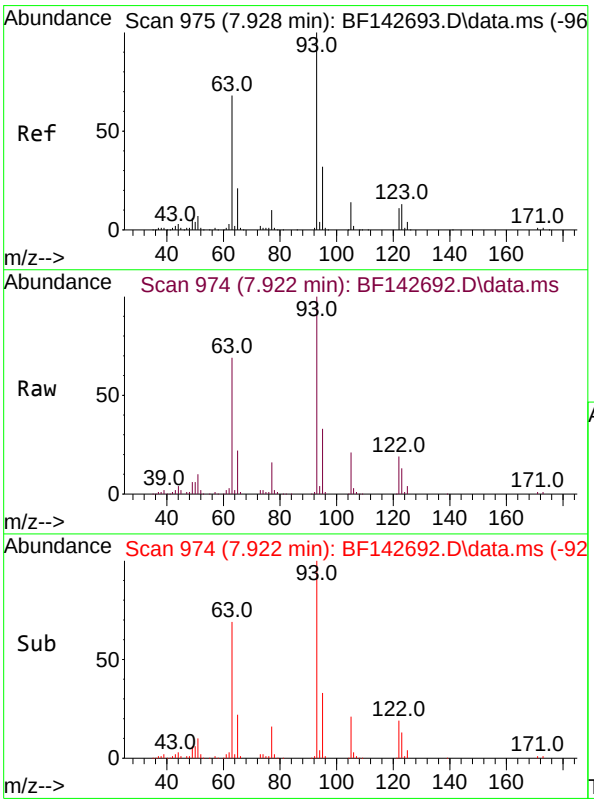
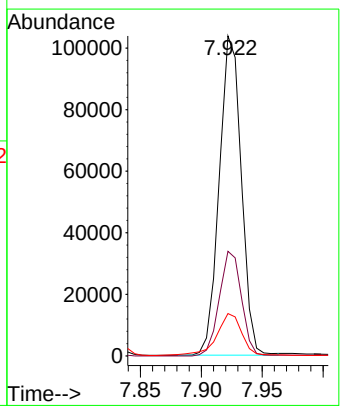
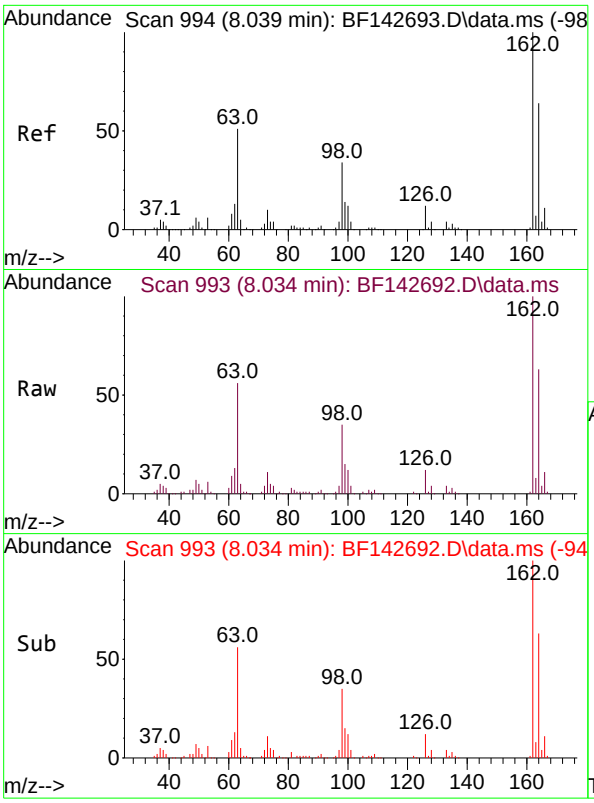


#28
bis(2-Chloroethoxy)methane
Concen: 18.649 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 93 Resp: 130451

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	13.2	10.5	15.7

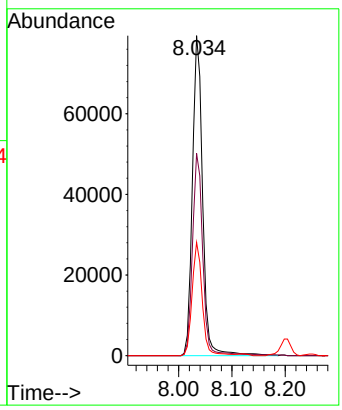




#29
2,4-Dichlorophenol
Concen: 19.933 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:162 Resp: 10613

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	35.4	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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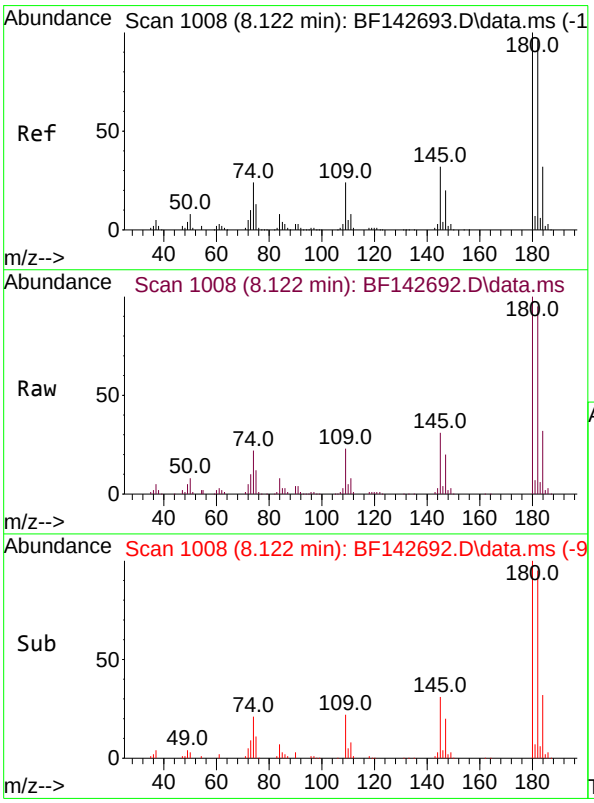
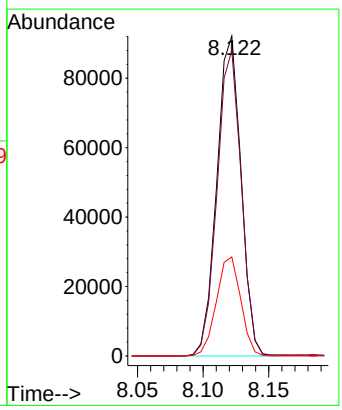
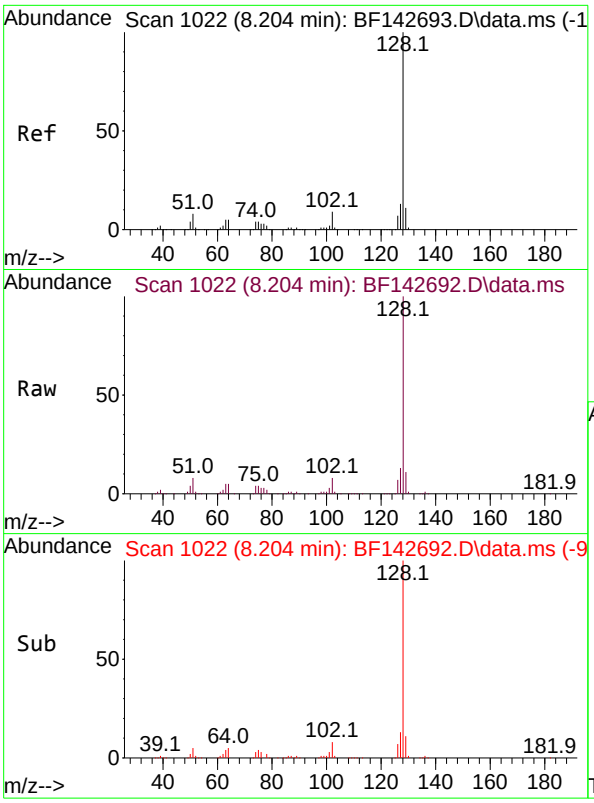


#30
1,2,4-Trichlorobenzene
Concen: 20.384 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:180 Resp: 118388

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	30.9	25.4	38.0

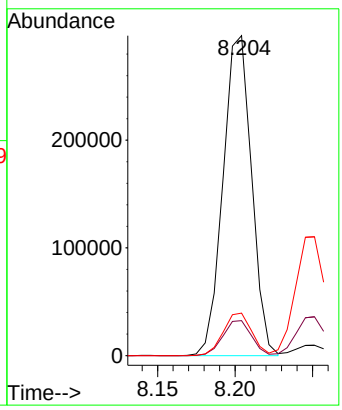




#31
Naphthalene
Concen: 20.459 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:128 Resp: 38087

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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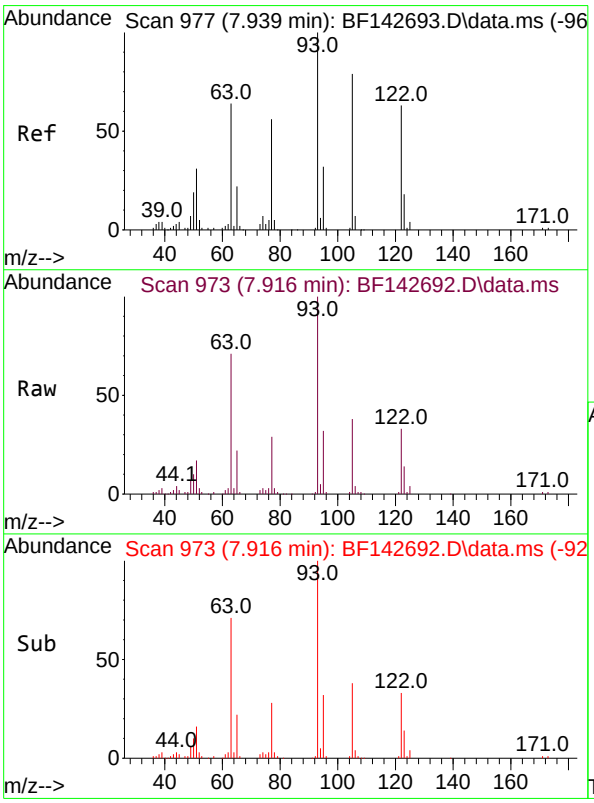
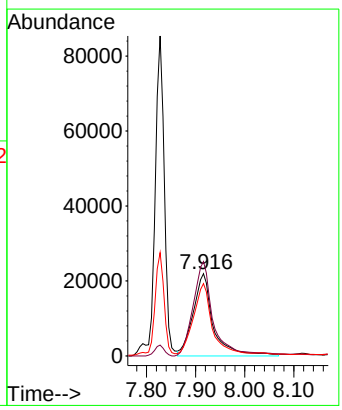
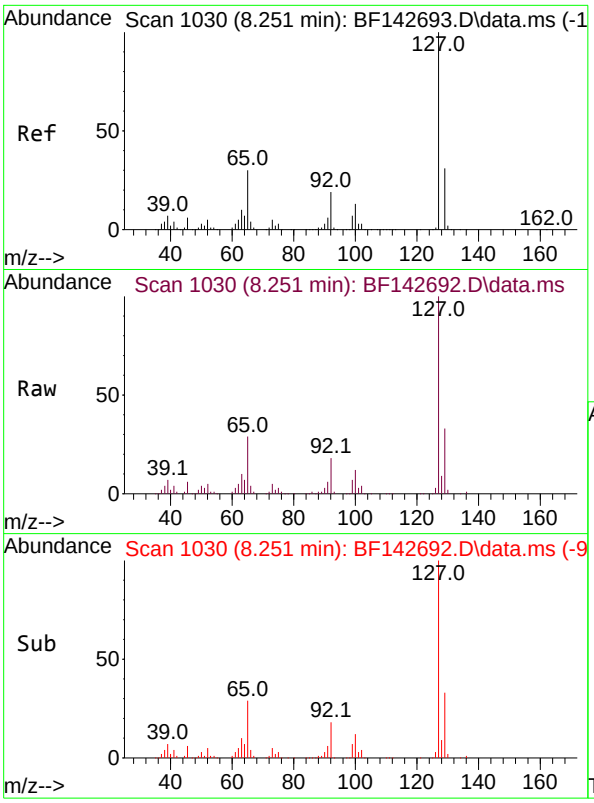


#32
Benzoic acid
Concen: 17.884 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.023 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:122 Resp: 63100

Ion	Ratio	Lower	Upper
122	100		
105	114.8	100.3	140.3
77	87.9	67.9	107.9

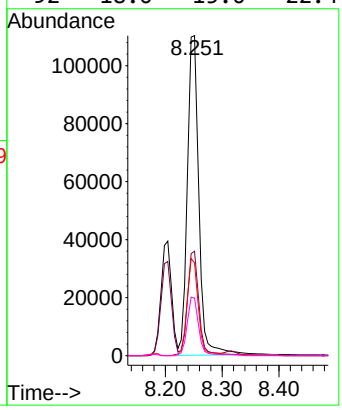




#33
4-Chloroaniline
Concen: 20.399 ng
RT: 8.251 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:127 Resp: 15612

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	29.0	23.8	35.6
92	18.0	15.0	22.4



Instrument :
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ClientSampleId :
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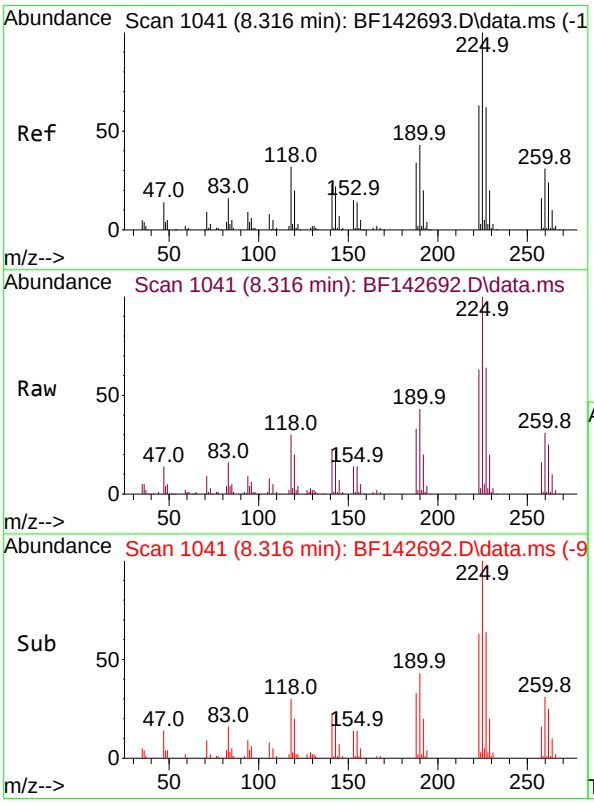
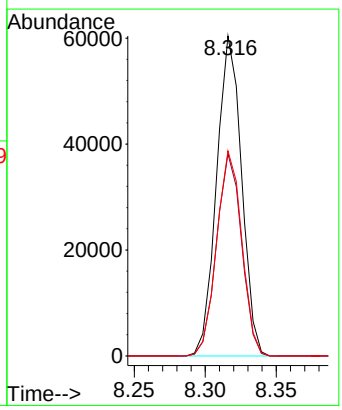
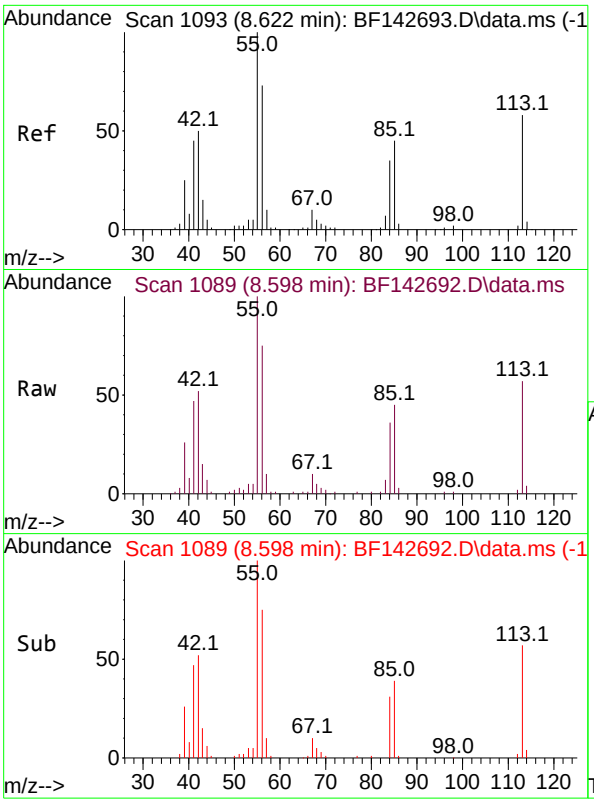


#34
Hexachlorobutadiene
Concen: 20.669 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:225 Resp: 73933

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.7	76.1
227	64.1	49.8	74.8

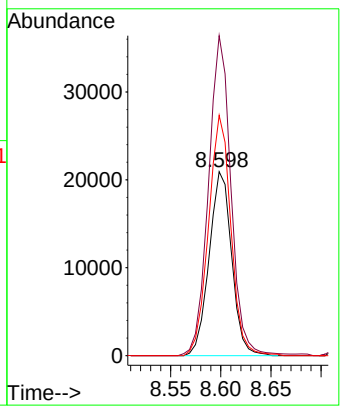




#35
Caprolactam
Concen: 19.991 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:113 Resp: 3269

Ion	Ratio	Lower	Upper
113	100		
55	173.9	152.9	192.9
56	130.6	106.6	146.6



Instrument :
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ClientSampleId :
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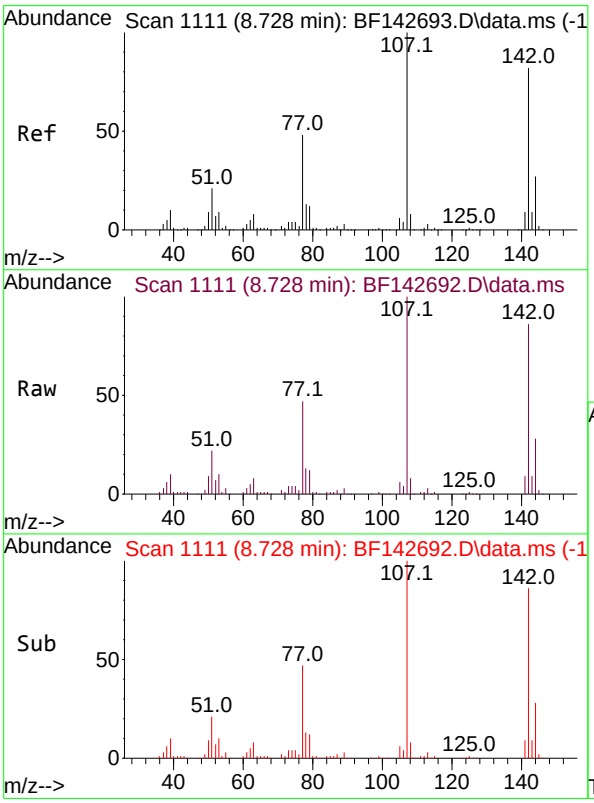
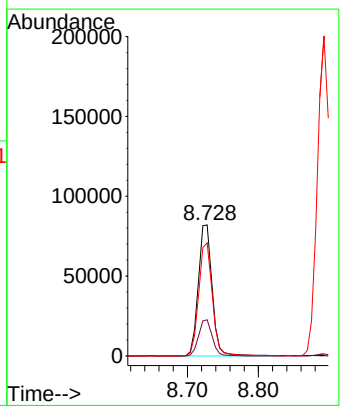
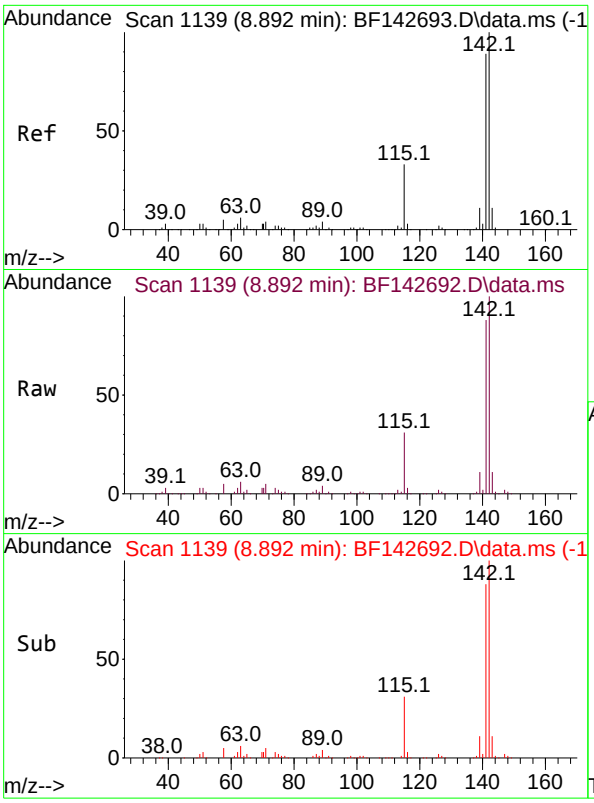


#36
4-Chloro-3-methylphenol
Concen: 20.139 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:107 Resp: 110605

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.5	32.3
142	86.4	65.5	98.3

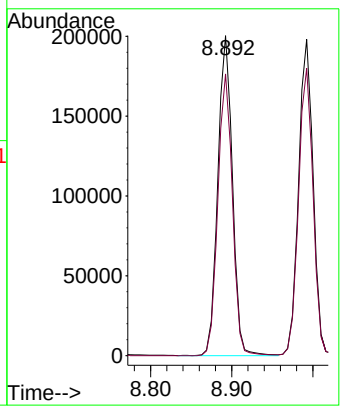




#37
2-Methylnaphthalene
Concen: 21.317 ng
RT: 8.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:142 Resp: 24970

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2



Instrument :
BNA_F
ClientSampleId :
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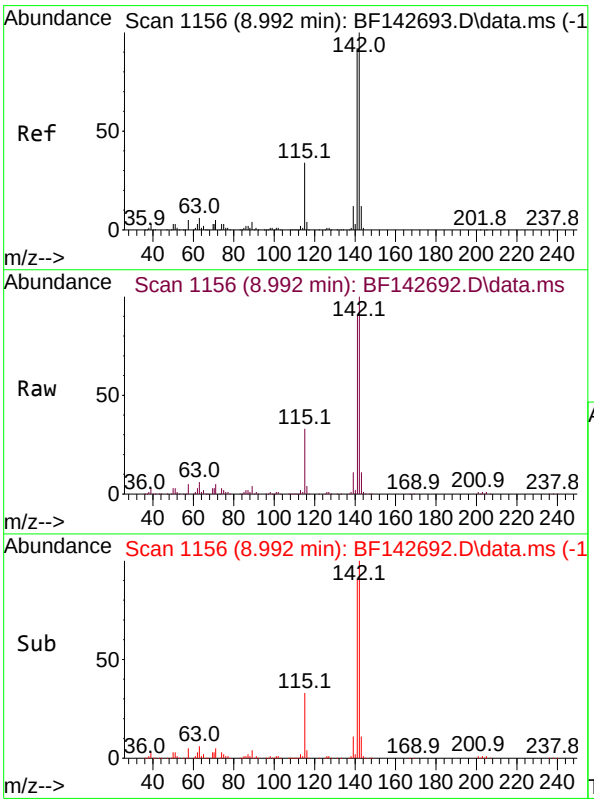
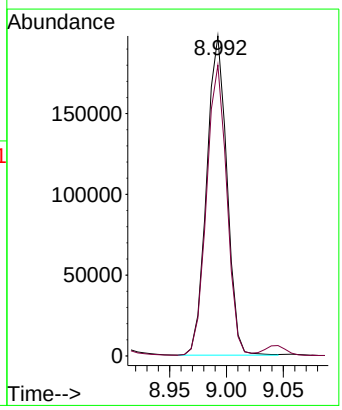
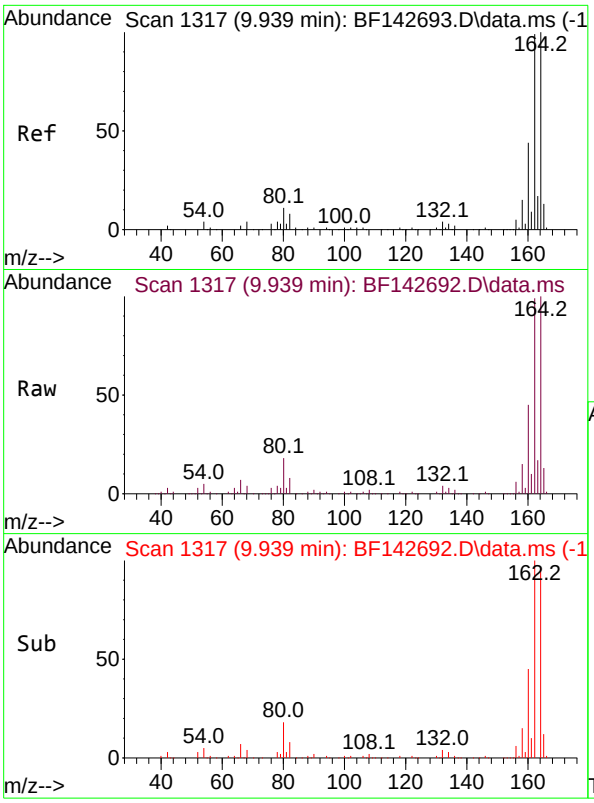


#38
1-Methylnaphthalene
Concen: 20.186 ng
RT: 8.992 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:142 Resp: 244862

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.7	110.5

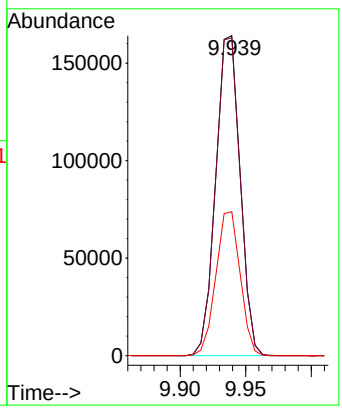




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:164 Resp: 21280

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.1	118.7
160	45.0	35.4	53.0



Instrument :
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ClientSampleId :
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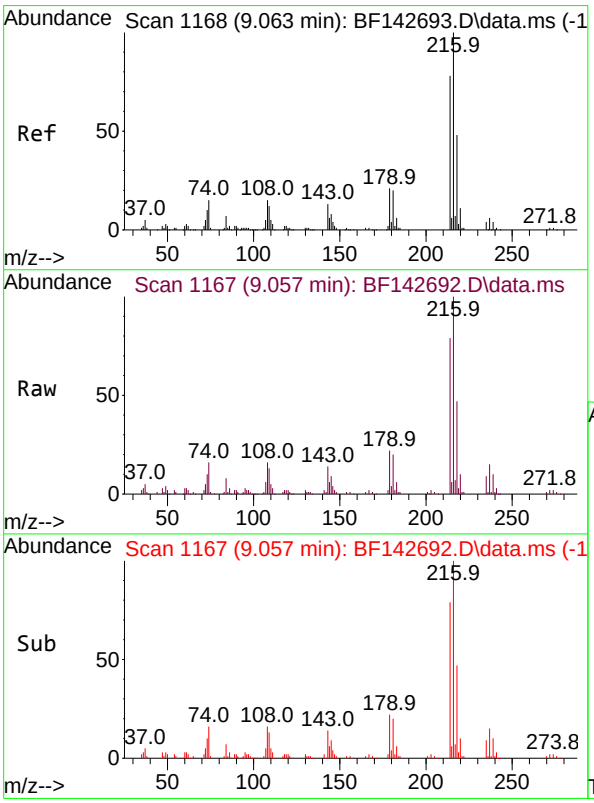
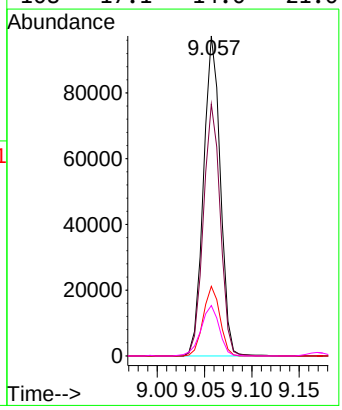
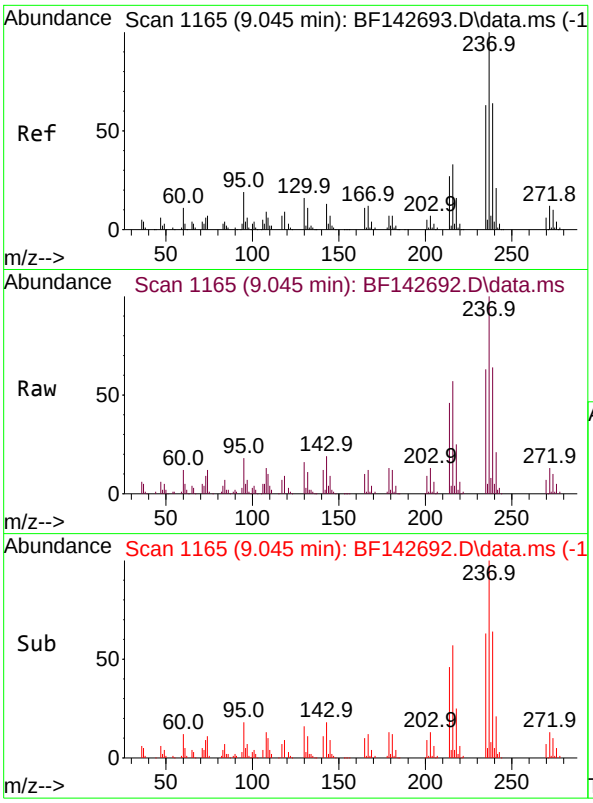


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.603 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:216 Resp: 120558

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.6
179	21.5	16.6	25.0
108	17.1	14.0	21.0





#41
Hexachlorocyclopentadiene
Concen: 17.635 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:237 Resp: 6368

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.1	83.1
272	13.0	0.0	32.5

Instrument :
BNA_F
ClientSampleId :
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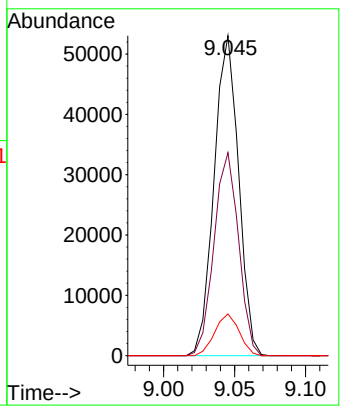
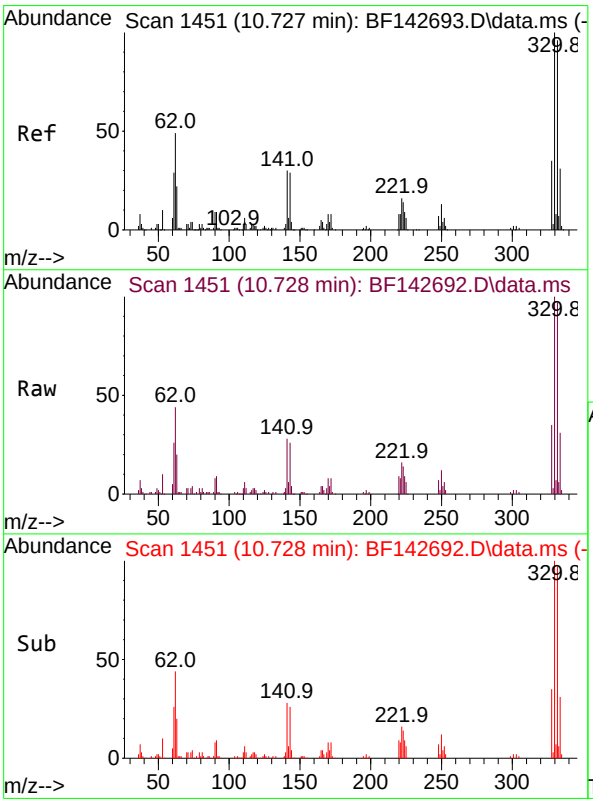
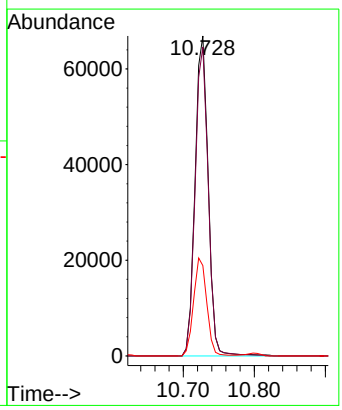


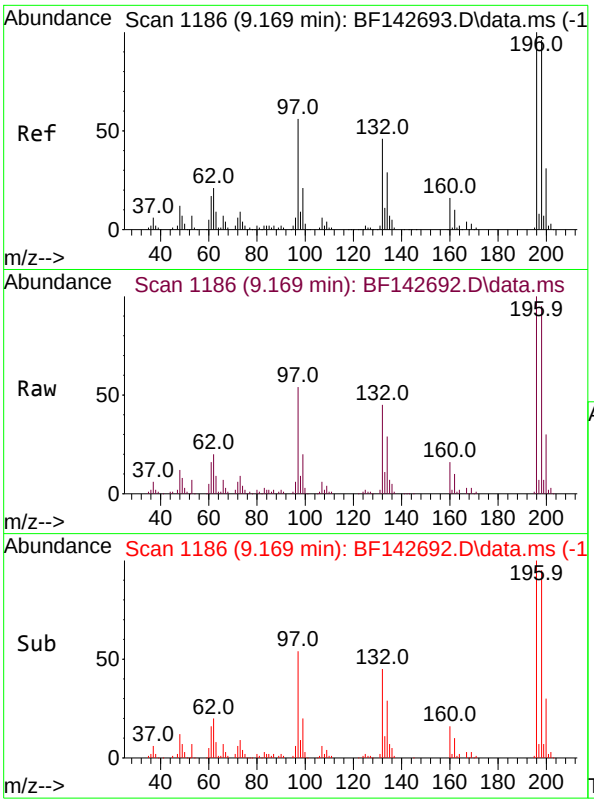


#42
2,4,6-Tribromophenol
Concen: 35.728 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:330 Resp: 85421

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	30.7	23.5	35.3

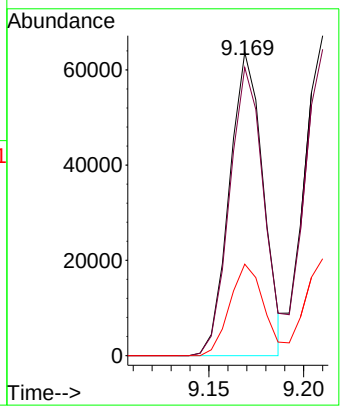




#43
2,4,6-Trichlorophenol
Concen: 19.532 ng
RT: 9.169 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:196 Resp: 7881

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.1	115.7
200	30.1	24.5	36.7



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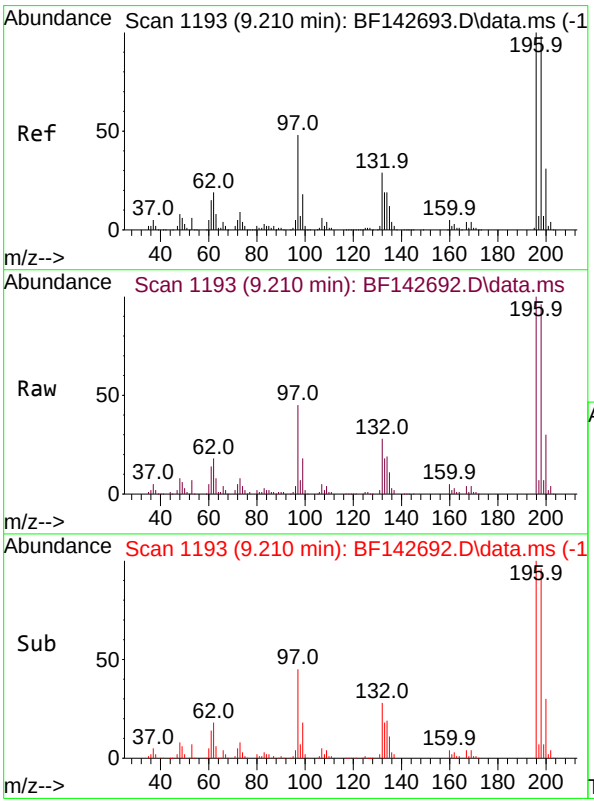
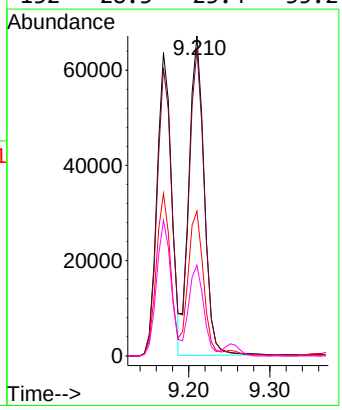
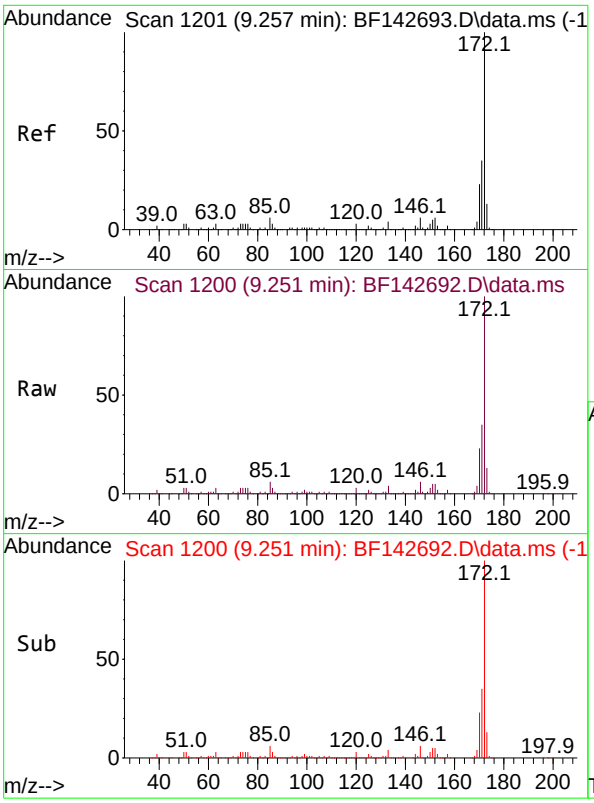


#44
2,4,5-Trichlorophenol
Concen: 20.274 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:196 Resp: 87384

Ion	Ratio	Lower	Upper
196	100		
198	95.7	78.2	117.2
97	45.2	39.2	58.8
132	28.3	23.4	35.2

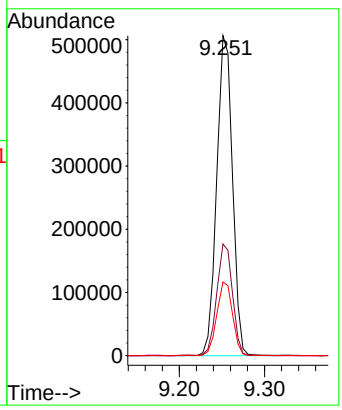




#45
2-Fluorobiphenyl
Concen: 41.737 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:172 Resp: 64945

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	23.0	18.7	28.1



Instrument :
BNA_F
ClientSampleId :
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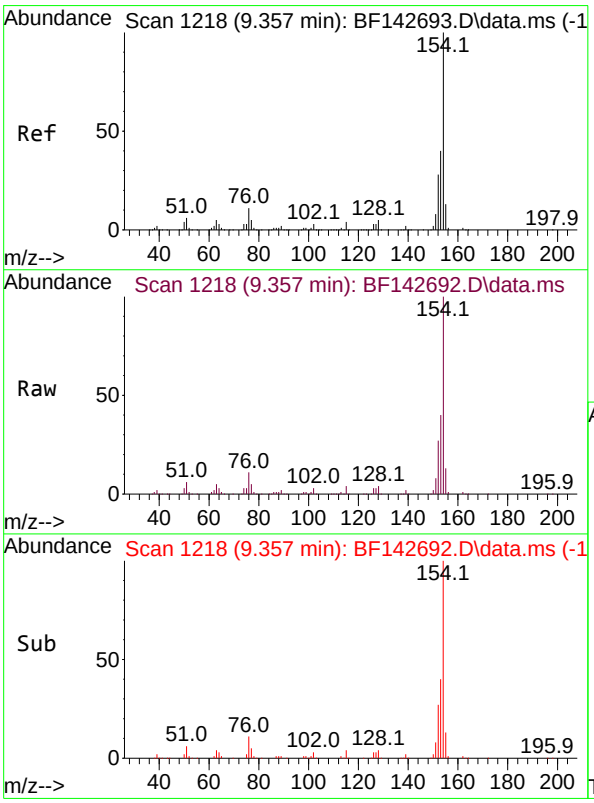
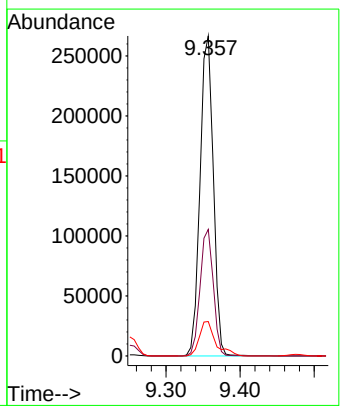
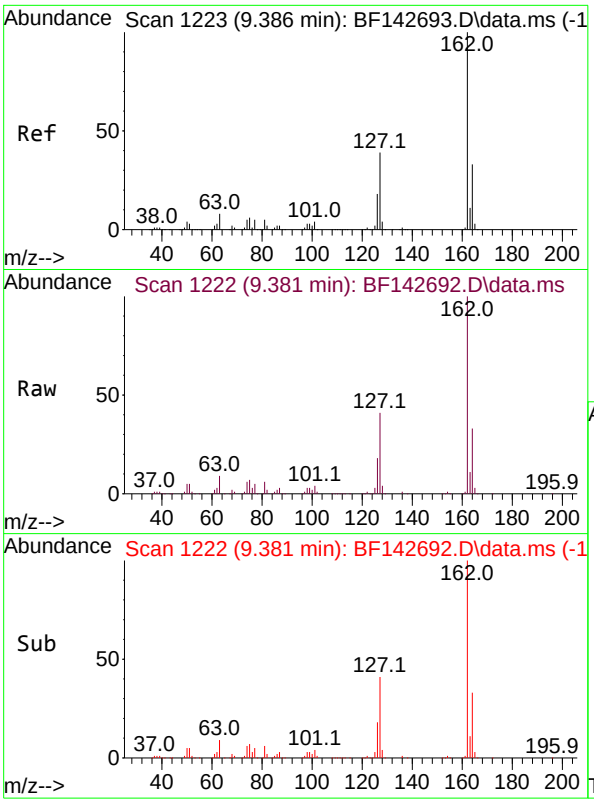


#46
1,1'-Biphenyl
Concen: 20.044 ng
RT: 9.357 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:154 Resp: 331680

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.4	60.4
76	10.7	0.0	31.4

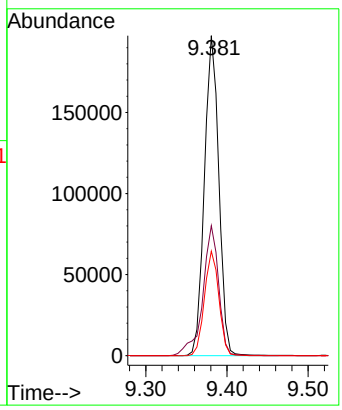




#47
2-Chloronaphthalene
Concen: 19.742 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:162 Resp: 24477

Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.7	47.5
164	32.6	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
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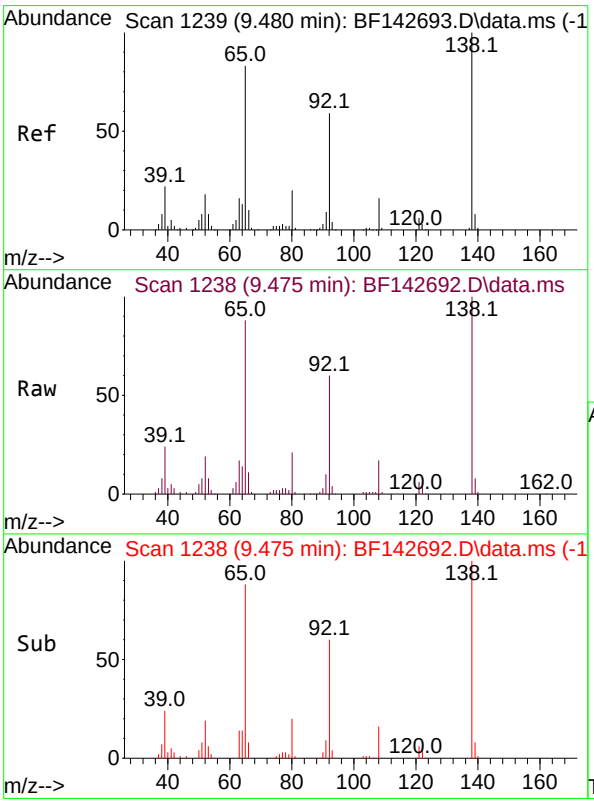
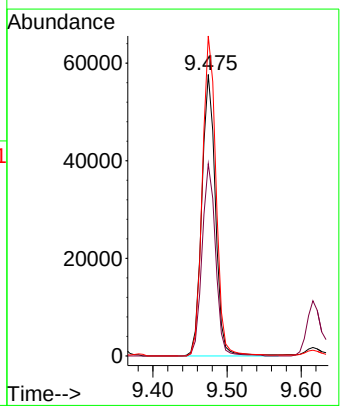
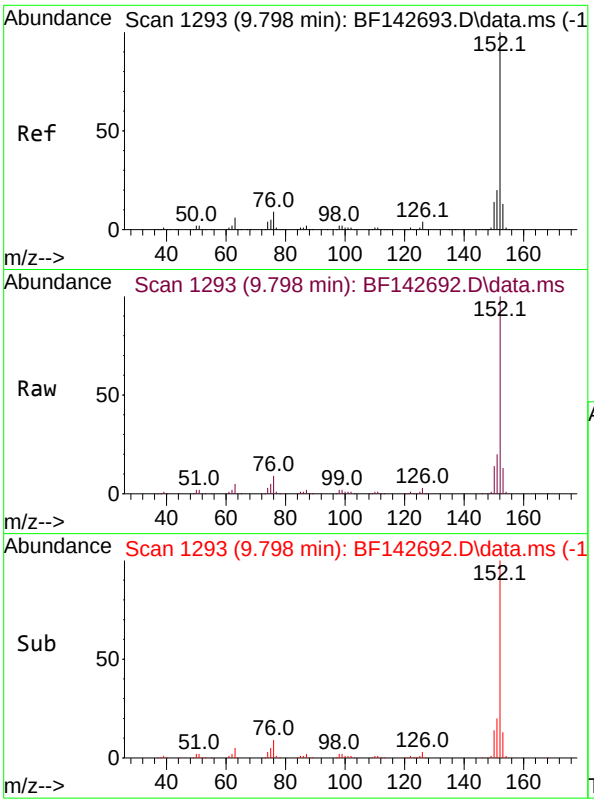


#48
2-Nitroaniline
Concen: 19.911 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 65 Resp: 73463

Ion	Ratio	Lower	Upper
65	100		
92	68.2	56.3	84.5
138	113.7	95.9	143.9

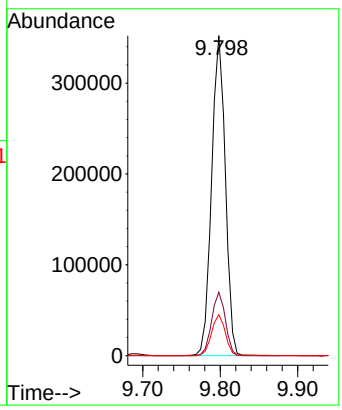




#49
Acenaphthylene
Concen: 21.075 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:152 Resp: 43308

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.8	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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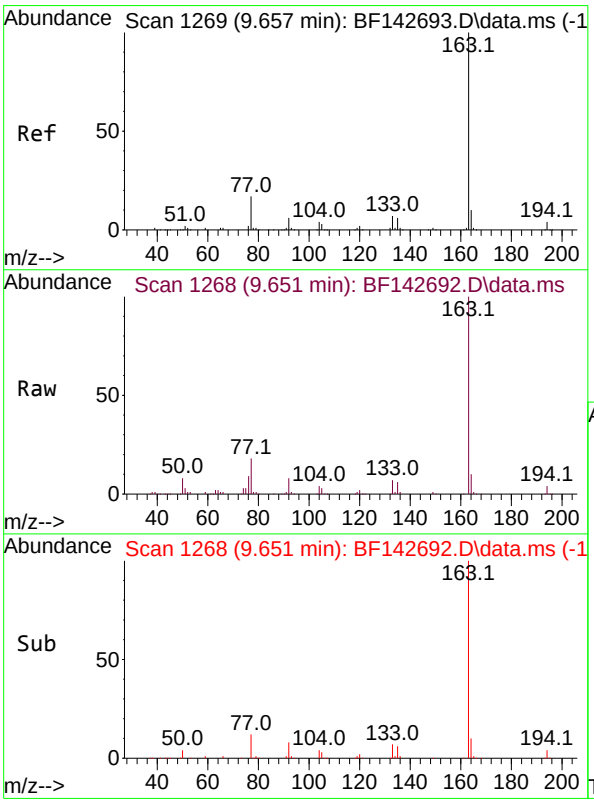
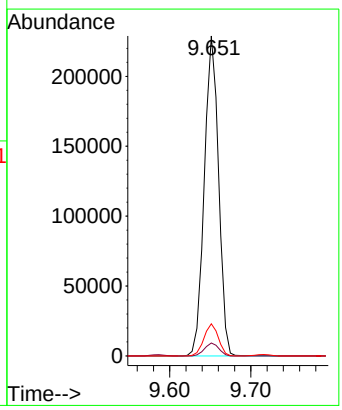
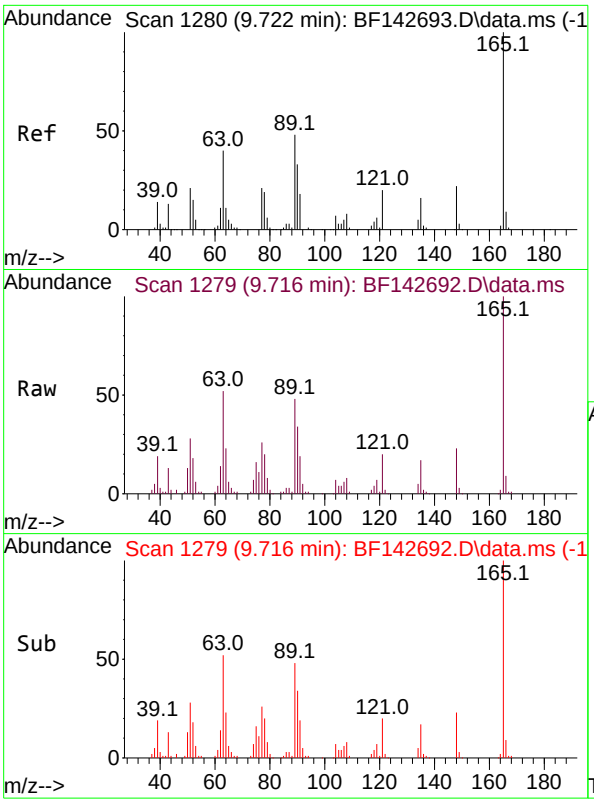


#50
Dimethylphthalate
Concen: 19.581 ng
RT: 9.651 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:163 Resp: 280352

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.1	12.1

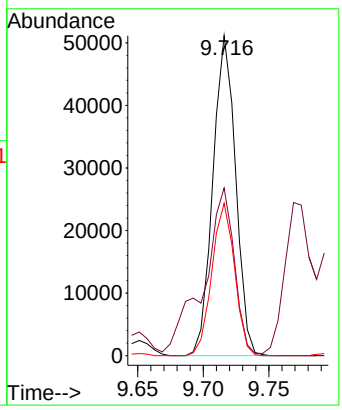




#51
2,6-Dinitrotoluene
Concen: 19.923 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:165 Resp: 6170

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.3	61.9
89	47.6	38.1	57.1



Instrument :
BNA_F
ClientSampleId :
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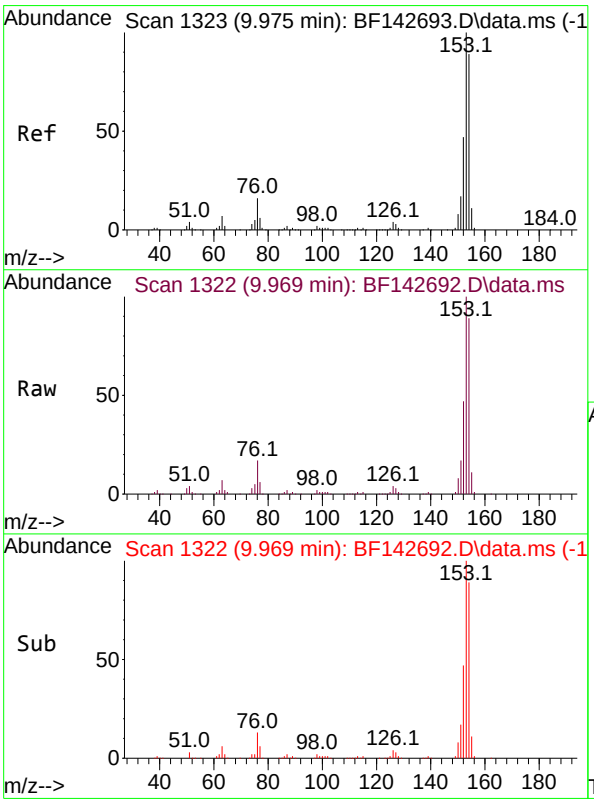
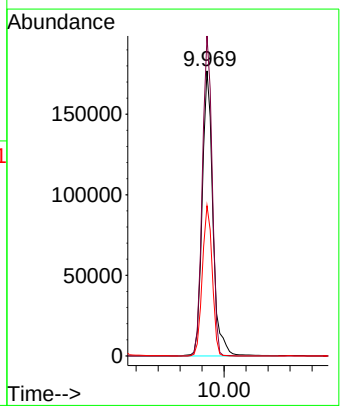
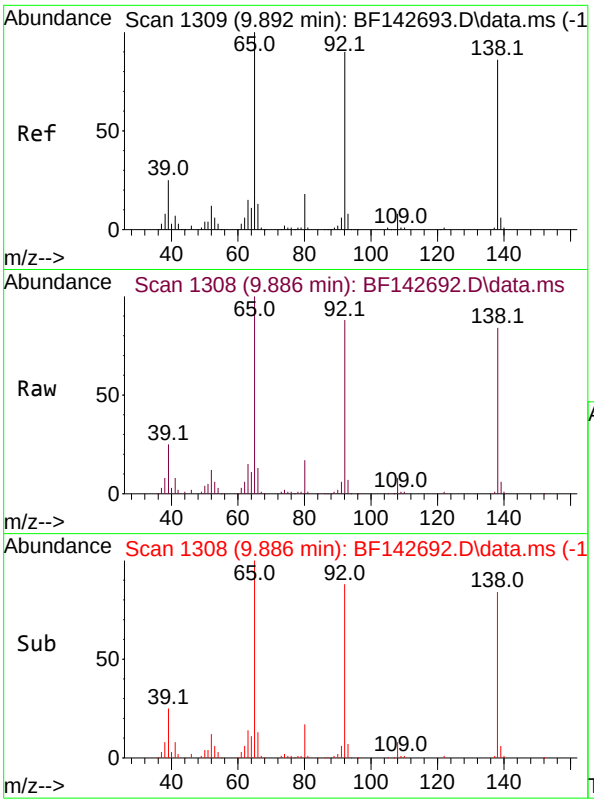


#52
Acenaphthene
Concen: 18.911 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:154 Resp: 237722

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.5	134.3
152	52.7	41.8	62.8

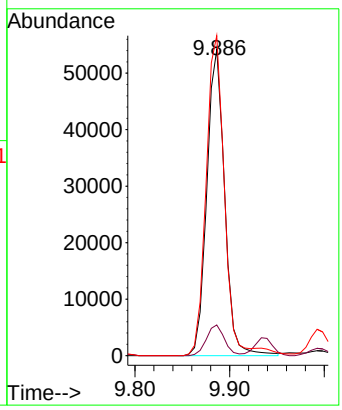




#53
3-Nitroaniline
Concen: 20.425 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:138 Resp: 7108

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.7	11.5
92	104.5	83.4	125.0



Instrument :
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ClientSampleId :
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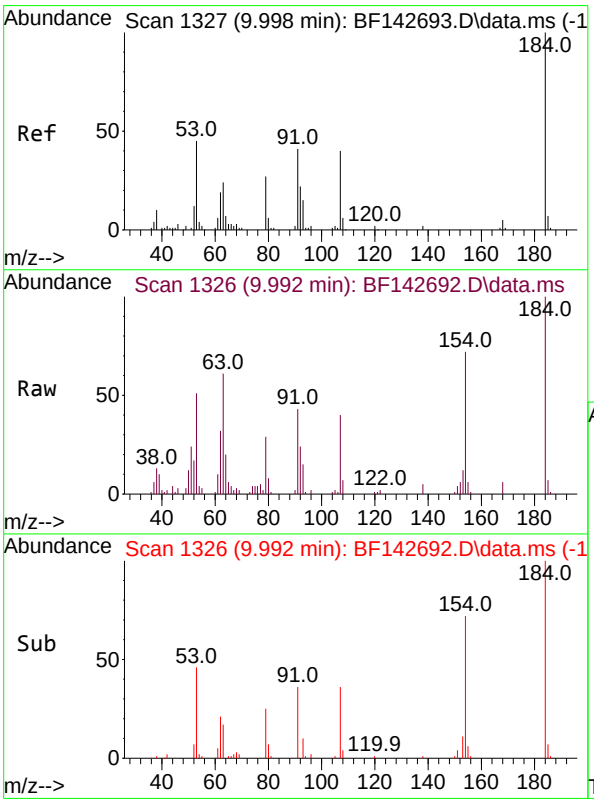
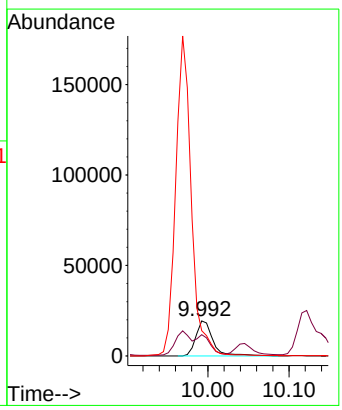
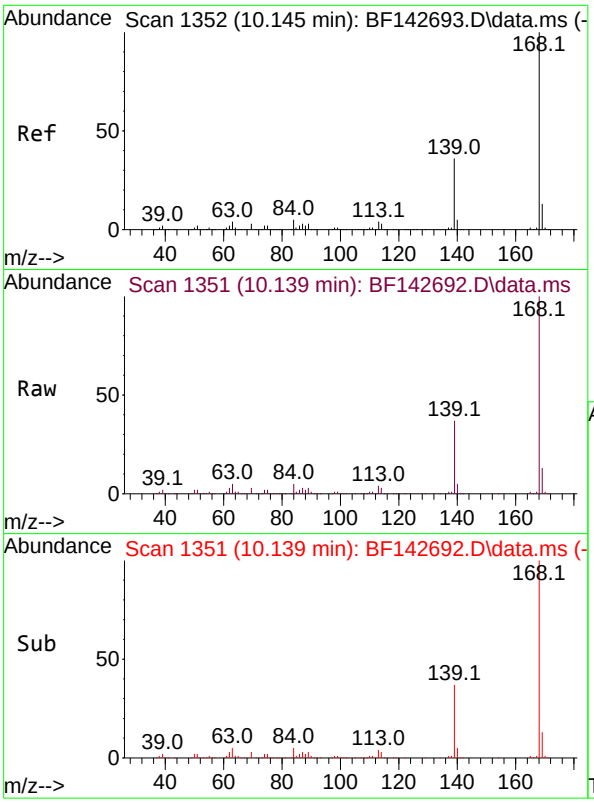


#54
2,4-Dinitrophenol
Concen: 16.313 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:184 Resp: 27973

Ion	Ratio	Lower	Upper
184	100		
63	60.5	47.4	71.0
154	72.2	48.6	73.0

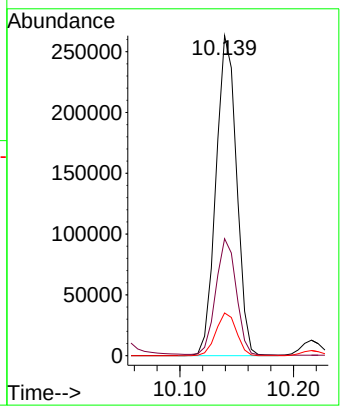




#55
Dibenzofuran
Concen: 18.358 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:168 Resp: 33106

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.2	43.8
169	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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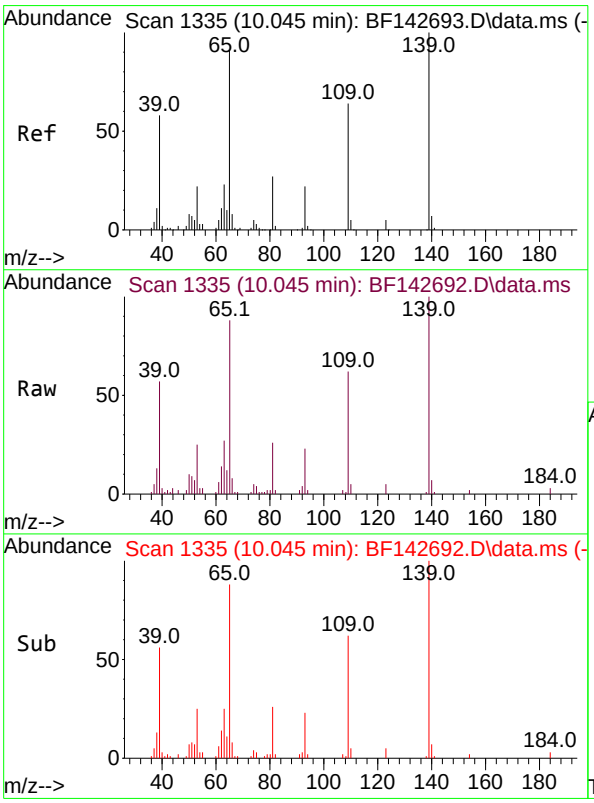
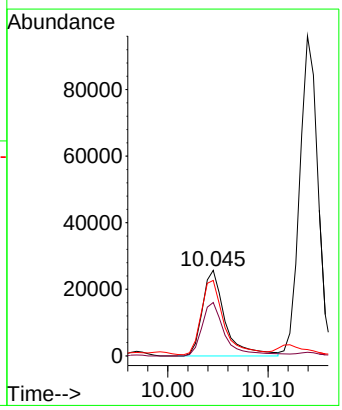
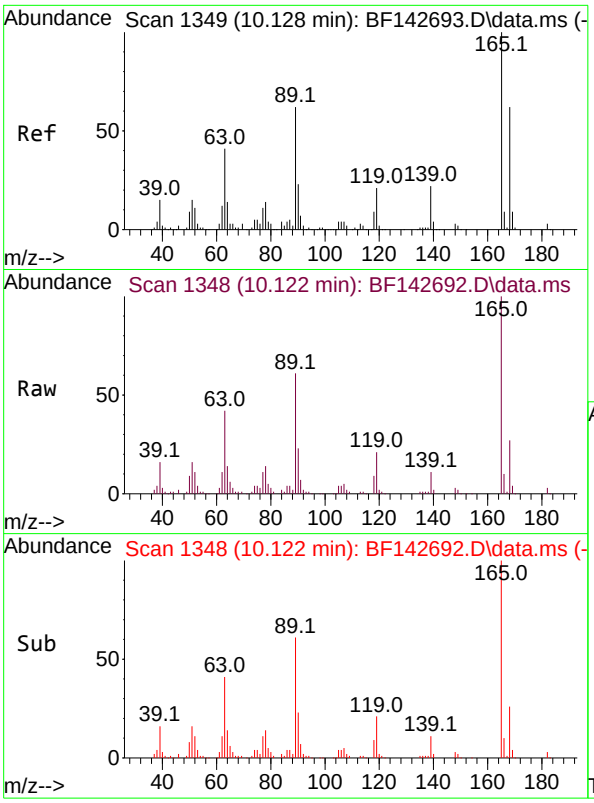


#56
4-Nitrophenol
Concen: 16.927 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:139 Resp: 40491

Ion	Ratio	Lower	Upper
139	100		
109	62.3	44.4	84.4
65	88.2	72.1	112.1

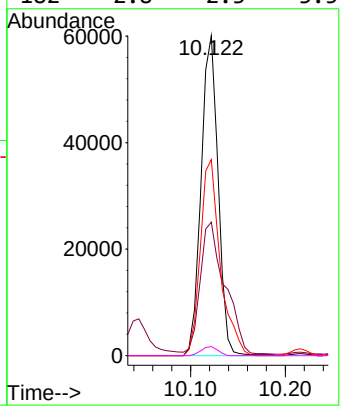




#57
2,4-Dinitrotoluene
Concen: 18.073 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:165 Resp: 7503

Ion	Ratio	Lower	Upper
165	100		
63	41.7	33.6	50.4
89	61.3	49.4	74.0
182	2.8	2.3	3.5



Instrument :
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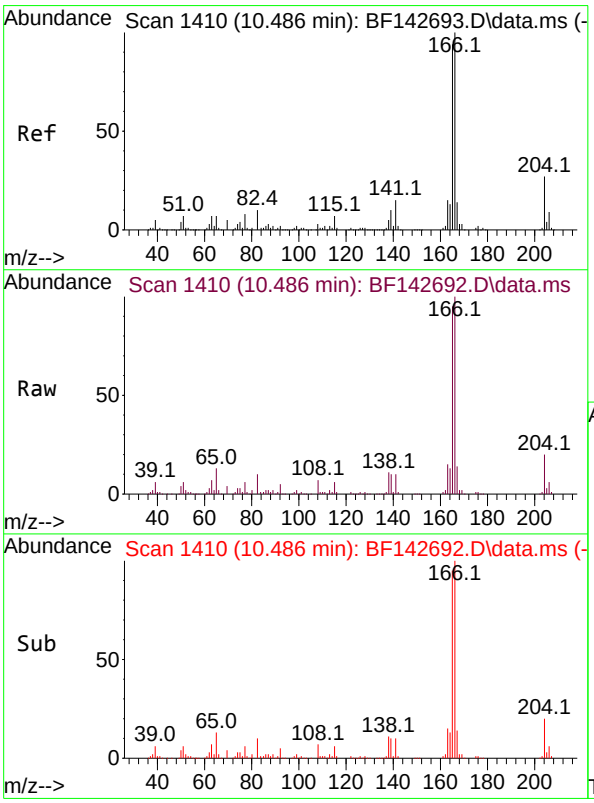
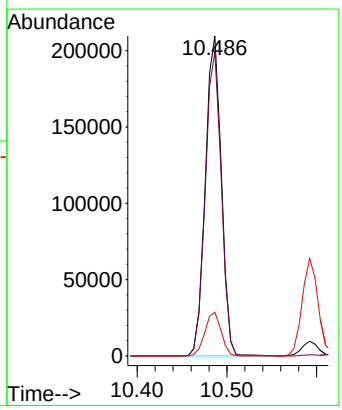
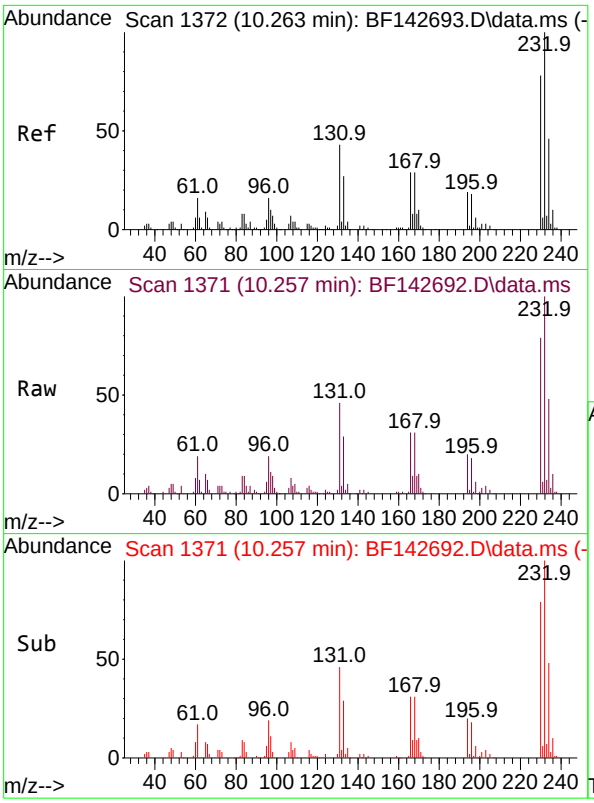


#58
Fluorene
Concen: 17.976 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:166 Resp: 259108

Ion	Ratio	Lower	Upper
166	100		
165	94.9	75.0	112.6
167	13.6	10.8	16.2

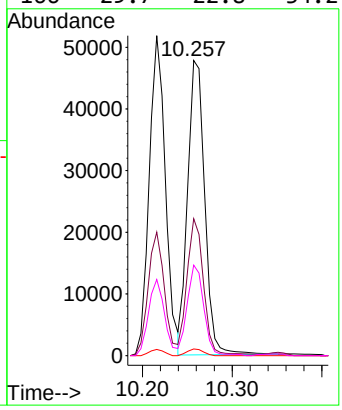




#59
2,3,4,6-Tetrachlorophenol
Concen: 17.448 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:232 Resp: 6328

Ion	Ratio	Lower	Upper
232	100		
131	45.1	33.5	50.3
130	2.1	1.5	2.3
166	29.7	22.8	34.2



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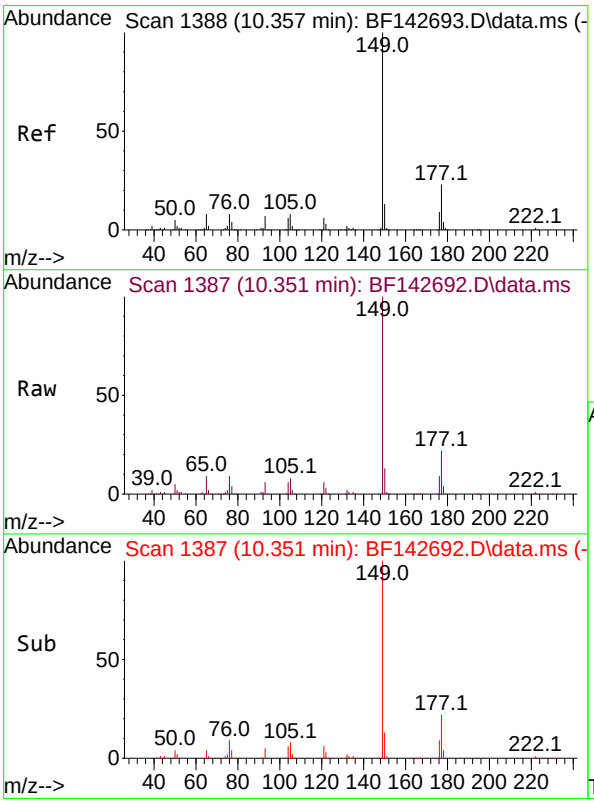
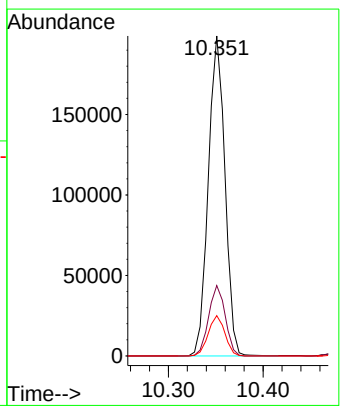
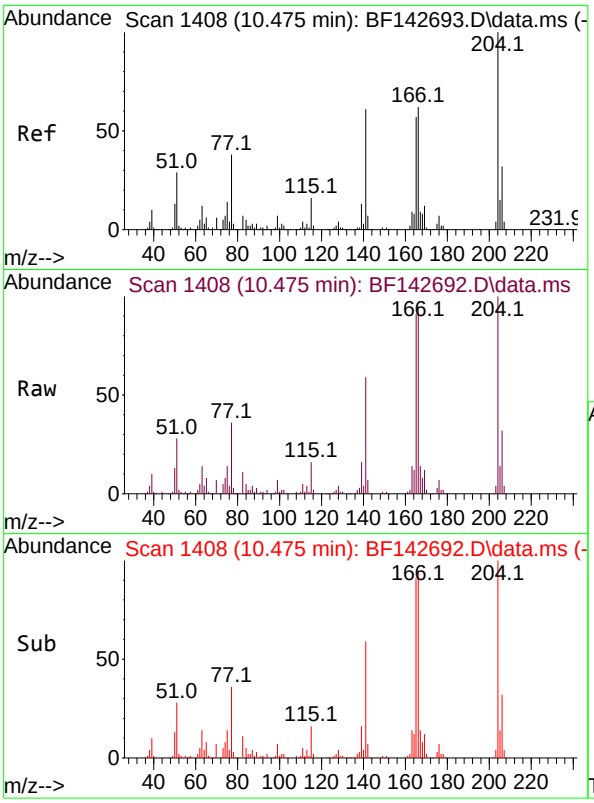


#60
Diethylphthalate
Concen: 17.485 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 243045

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.0	27.0
150	12.6	10.0	15.0

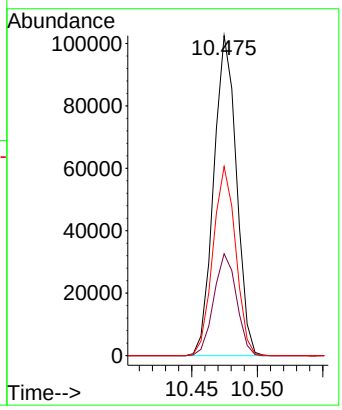




#61
4-Chlorophenyl-phenylether
Concen: 18.110 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:204 Resp: 12342

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.6	38.4
141	59.1	48.9	73.3



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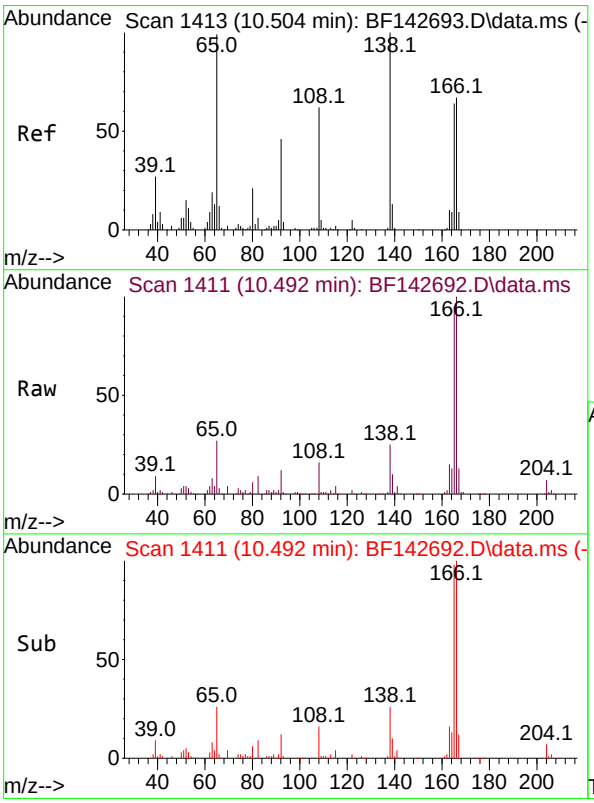
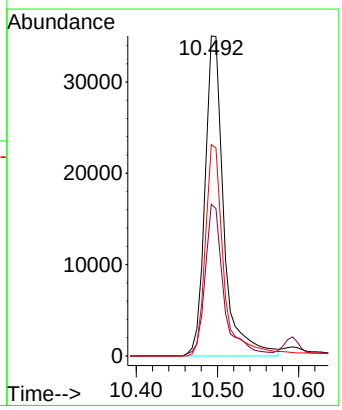
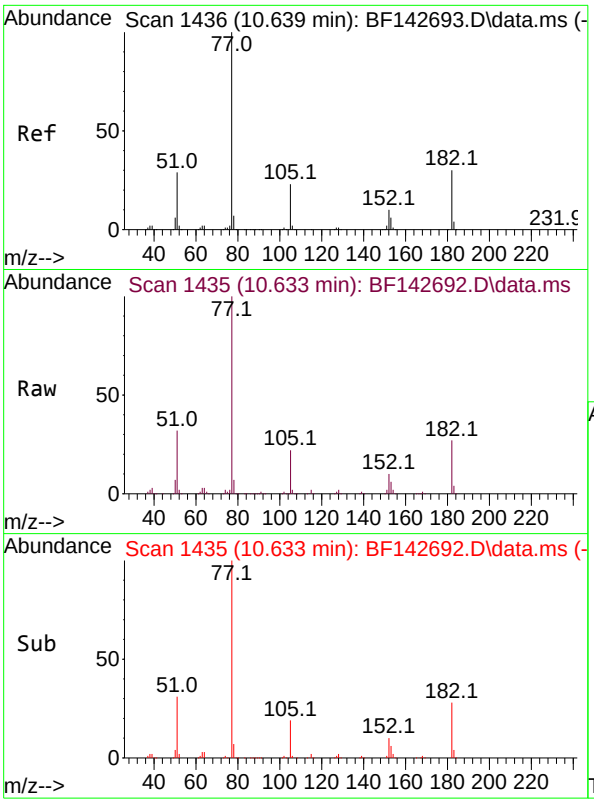


#62
4-Nitroaniline
Concen: 17.125 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:138 Resp: 56537

Ion	Ratio	Lower	Upper
138	100		
92	47.4	25.8	65.8
108	66.0	42.3	82.3

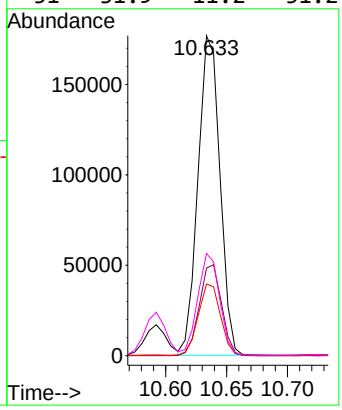




#63
Azobenzene
Concen: 17.836 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 77 Resp: 22208

Ion	Ratio	Lower	Upper
77	100		
182	27.3	9.5	49.5
105	22.4	2.3	42.3
51	31.9	11.2	51.2



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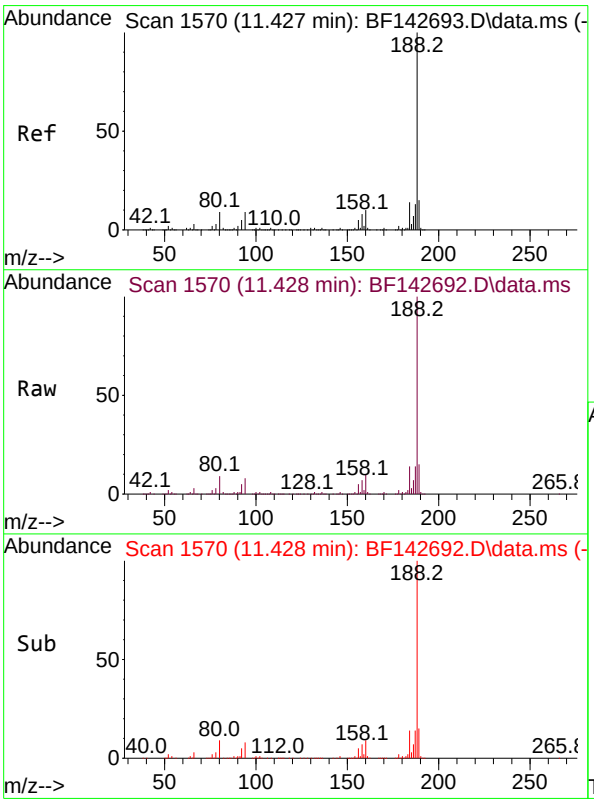
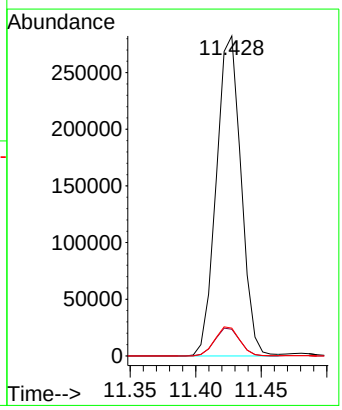
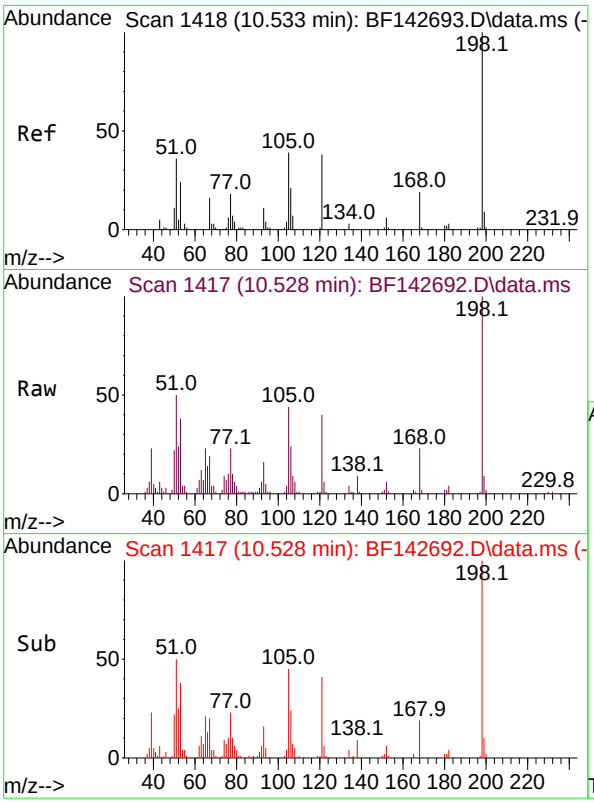


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:188 Resp: 371414

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.4
80	8.7	7.2	10.8

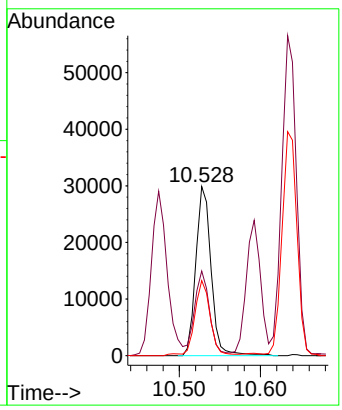




#65
4,6-Dinitro-2-methylphenol
Concen: 16.427 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:198 Resp: 3891

Ion	Ratio	Lower	Upper
198	100		
51	50.0	25.9	65.9
105	44.3	20.0	60.0



Instrument :
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ClientSampleId :
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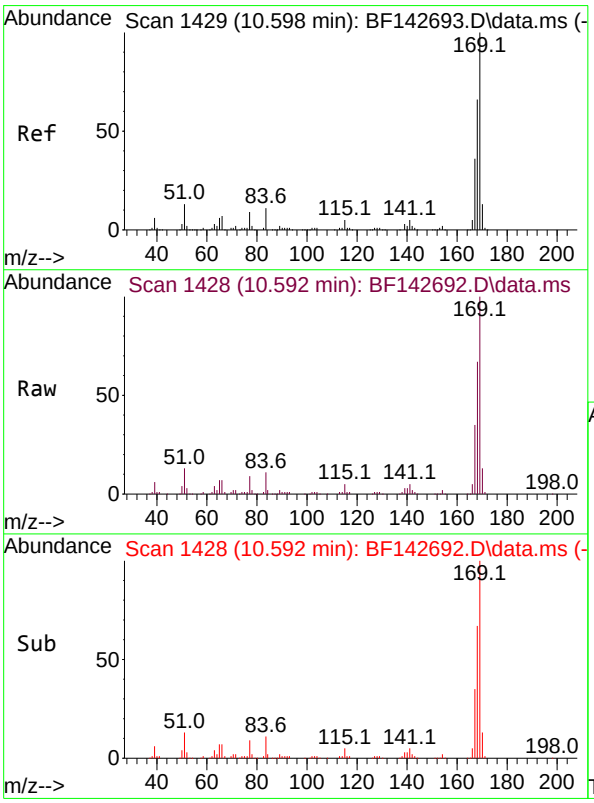
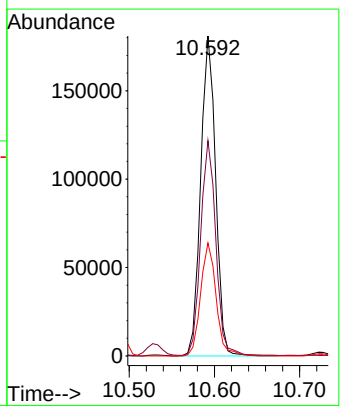
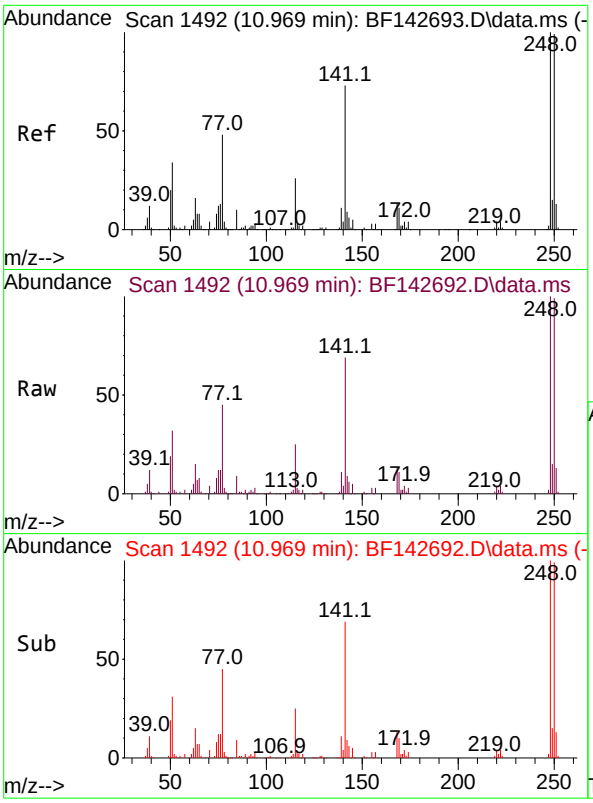


#66
n-Nitrosodiphenylamine
Concen: 18.424 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:169 Resp: 220938

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.1	79.7
167	35.3	28.4	42.6

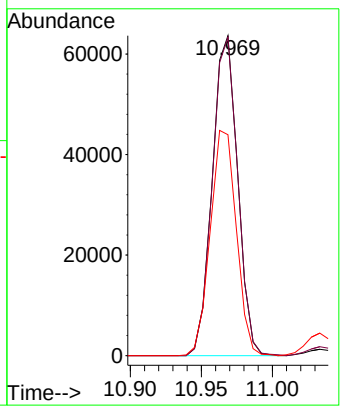




#67
4-Bromophenyl-phenylether
Concen: 19.264 ng
RT: 10.969 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:248 Resp: 7908

Ion	Ratio	Lower	Upper
248	100		
250	99.5	79.1	118.7
141	69.0	58.5	87.7



Instrument :
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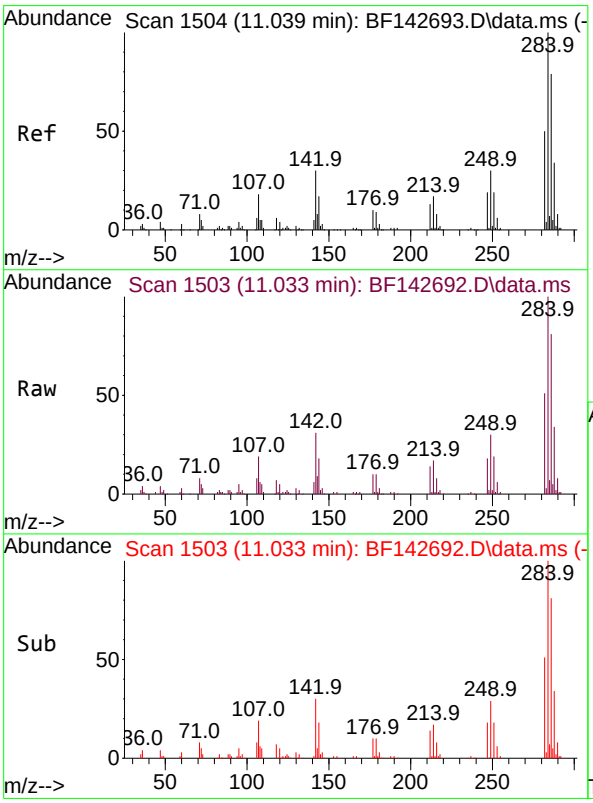
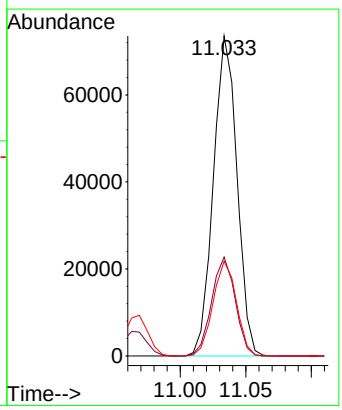
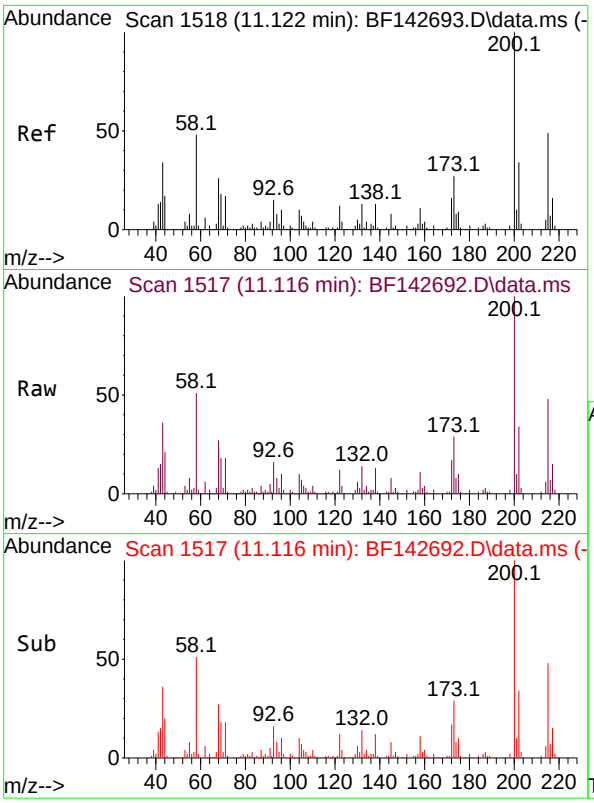


#68
Hexachlorobenzene
Concen: 19.548 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:284 Resp: 92210

Ion	Ratio	Lower	Upper
284	100		
142	30.9	23.6	35.4
249	29.6	23.8	35.8

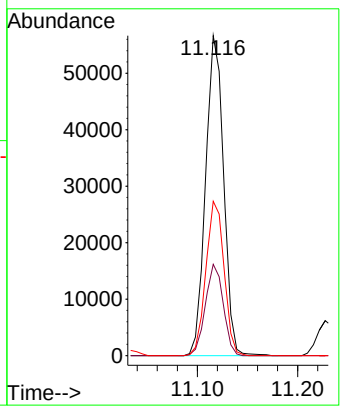




#69
Atrazine
Concen: 19.420 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:200 Resp: 7062

Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.4	47.4
215	48.2	28.9	68.9



Instrument :
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ClientSampleId :
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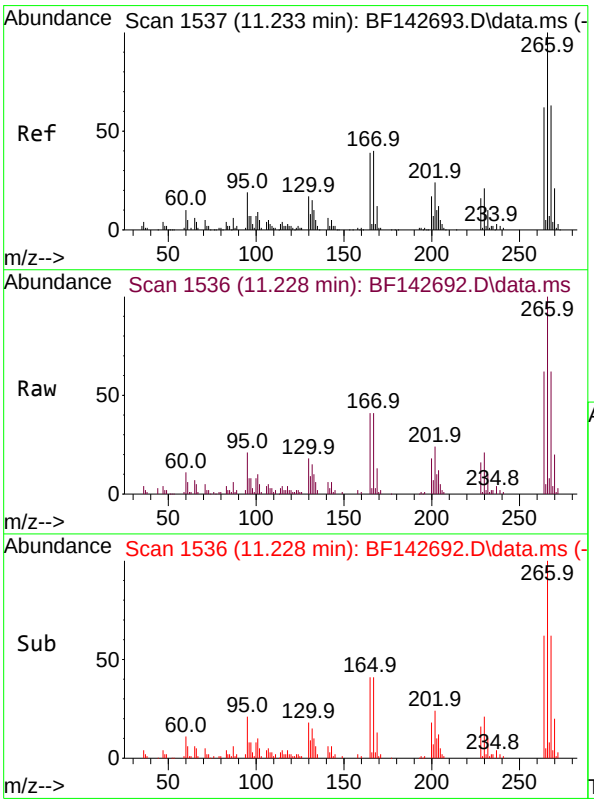
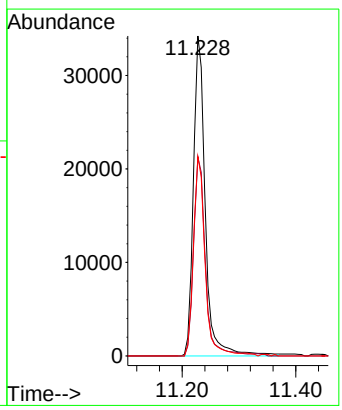
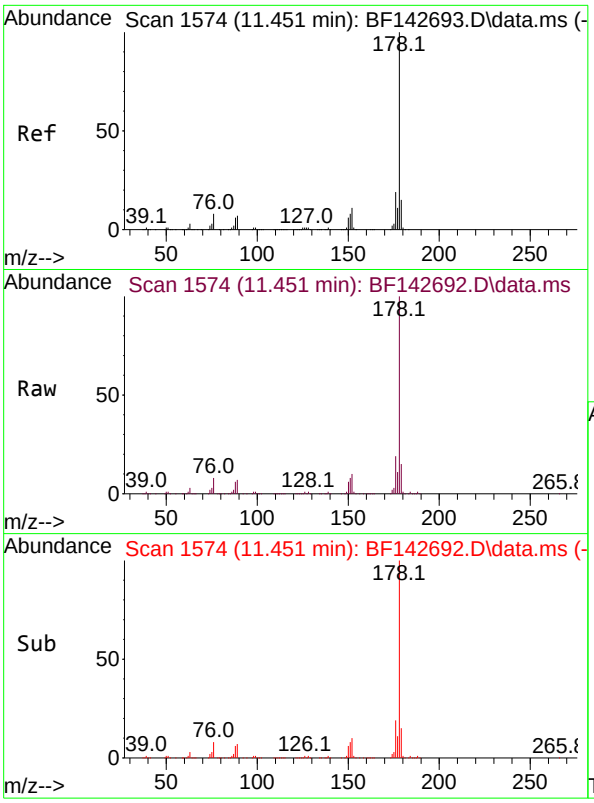


#70
Pentachlorophenol
Concen: 19.104 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:266 Resp: 49559

Ion	Ratio	Lower	Upper
266	100		
268	62.1	50.8	76.2
264	62.3	49.7	74.5

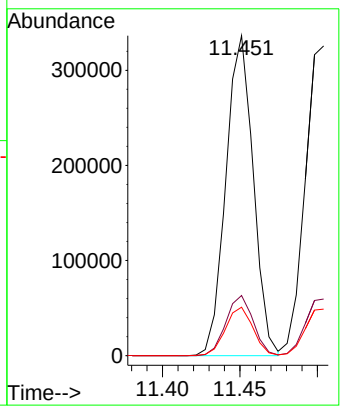




#71
Phenanthrene
Concen: 20.909 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:178 Resp: 41515

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.1	12.4	18.6



Instrument :
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ClientSampleId :
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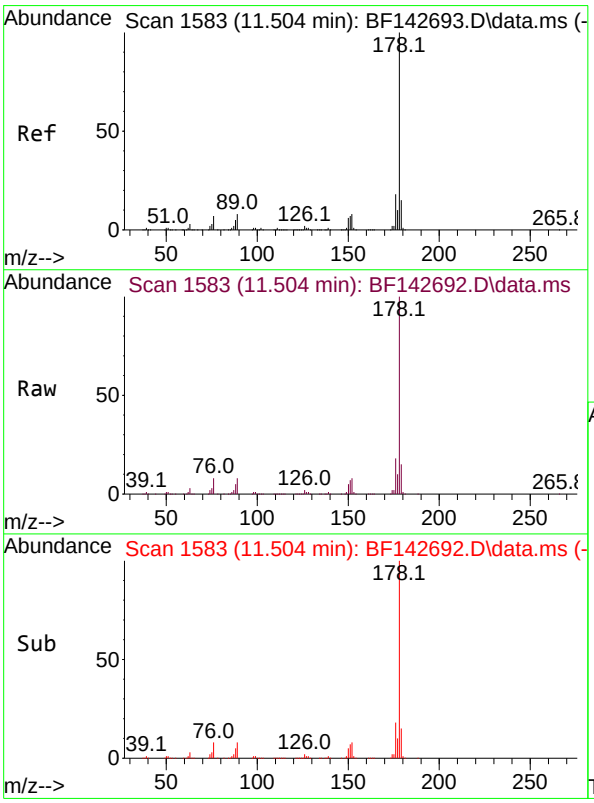
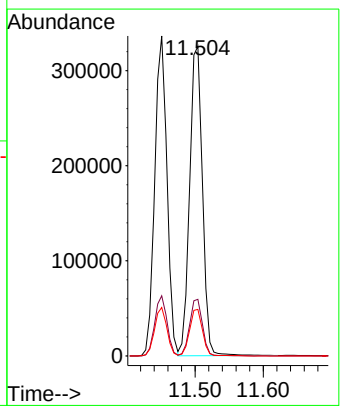
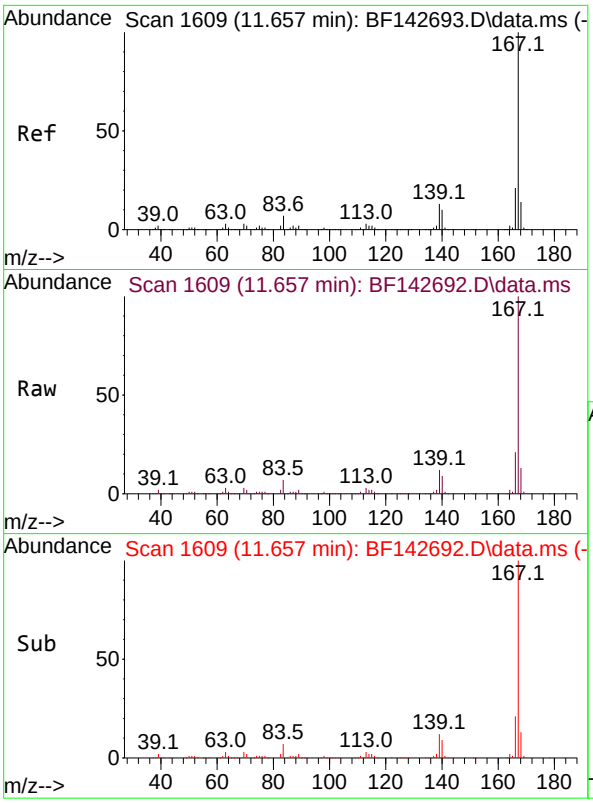


#72
Anthracene
Concen: 20.634 ng
RT: 11.504 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:178 Resp: 425173

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.0	12.2	18.2

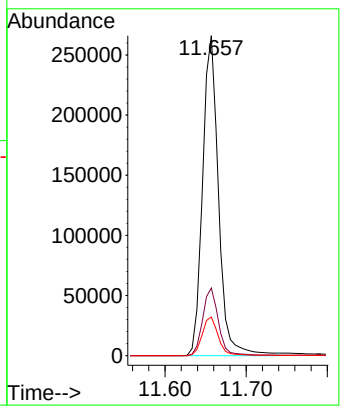




#73
Carbazole
Concen: 19.580 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:167 Resp: 36329

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.1	10.1	15.1



Instrument :
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ClientSampleId :
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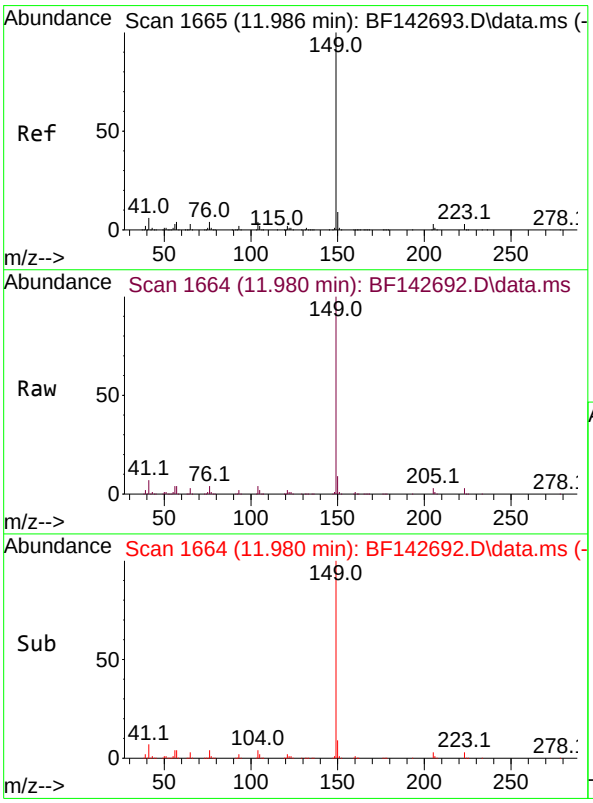
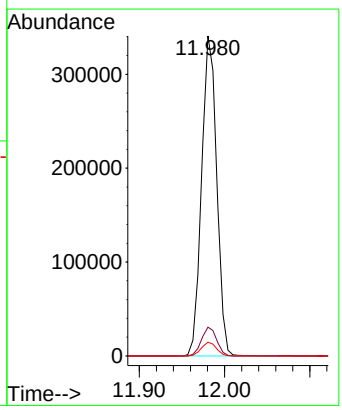
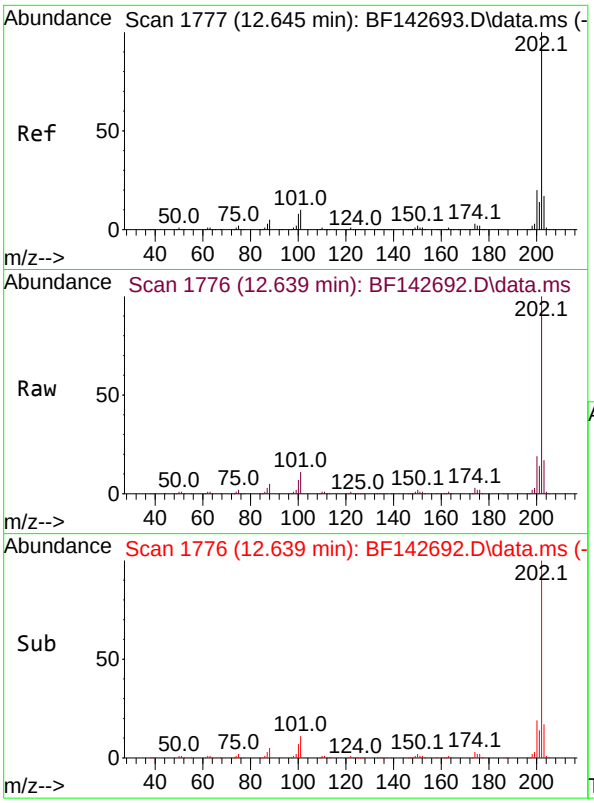


#74
Di-n-butylphthalate
Concen: 21.302 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 419608

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.3	3.3	4.9

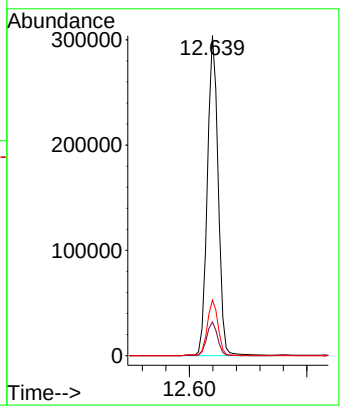




#75
Fluoranthene
Concen: 19.501 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:202 Resp: 38796

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.4	0.0	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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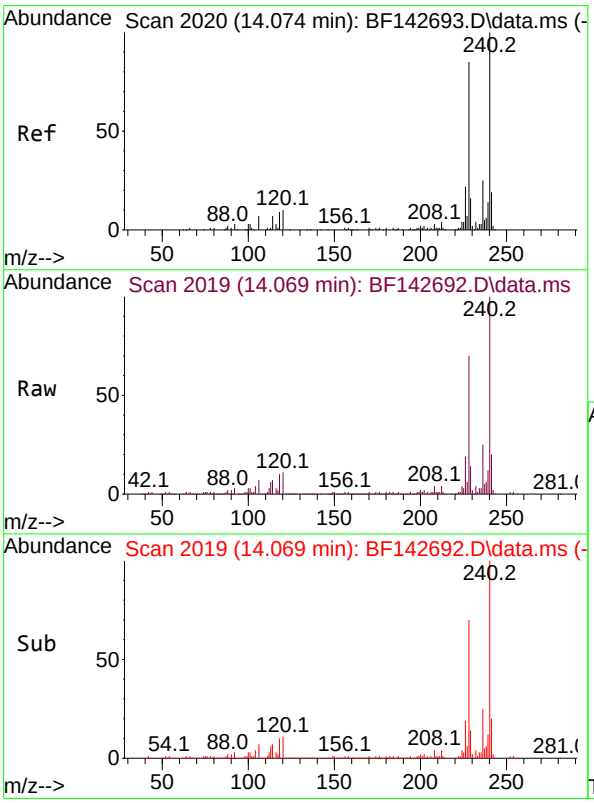
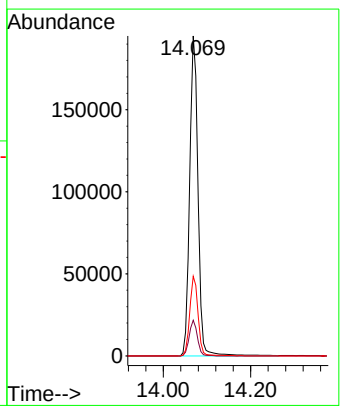
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

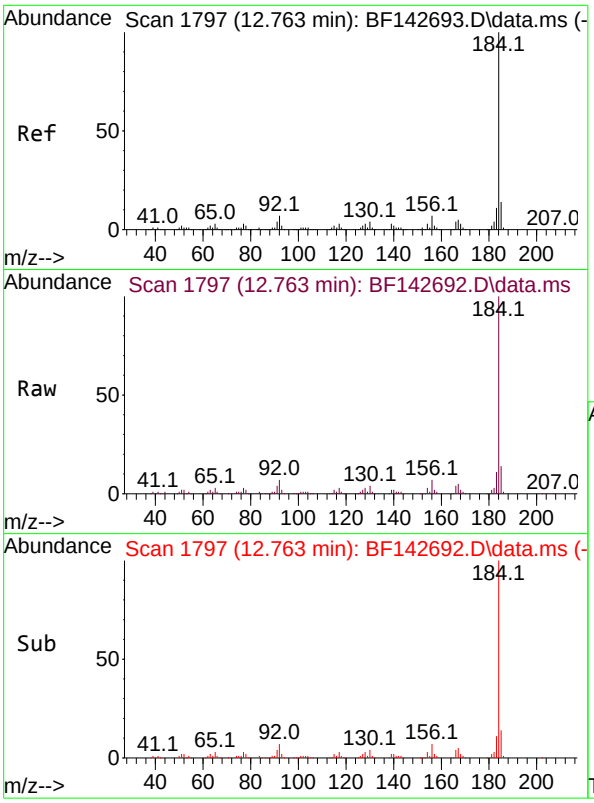


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:240 Resp: 259086

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	24.9	20.2	30.2

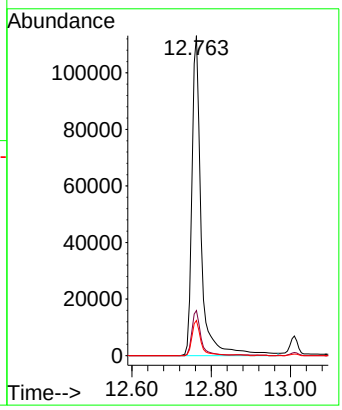




#77
Benzidine
Concen: 20.650 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:184 Resp: 184649

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.0	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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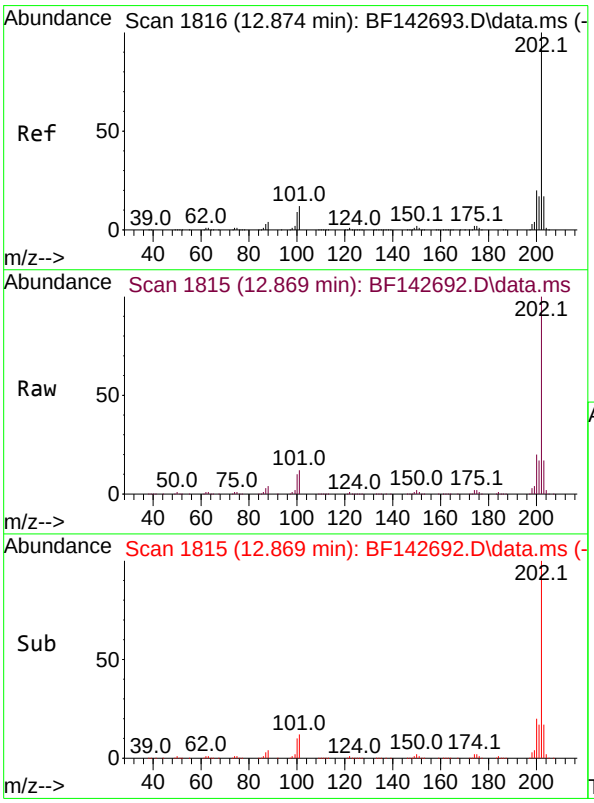
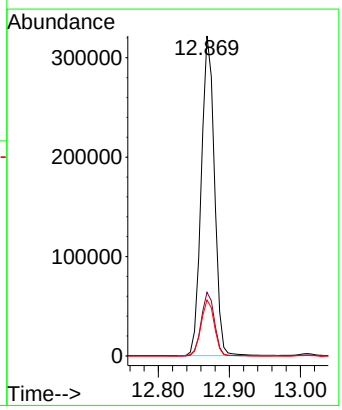
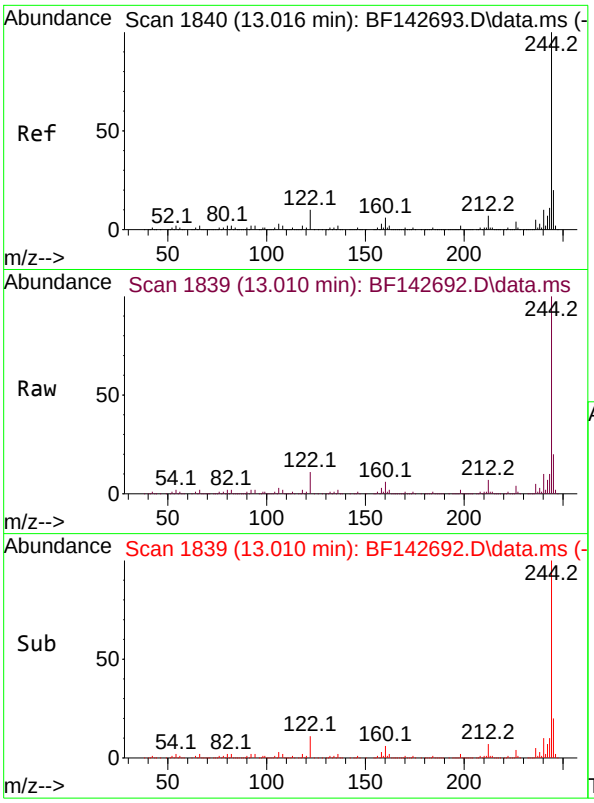


#78
Pyrene
Concen: 19.491 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:202 Resp: 411487

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.5	13.9	20.9

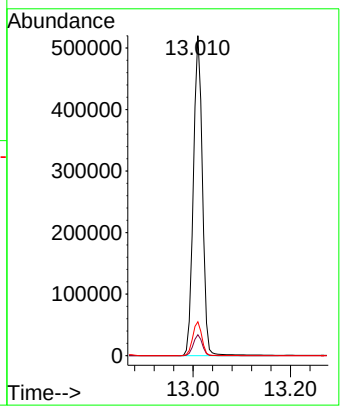




#79
Terphenyl-d14
Concen: 40.773 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:244 Resp: 667945

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.6	8.2	12.2



Instrument :
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ClientSampleId :
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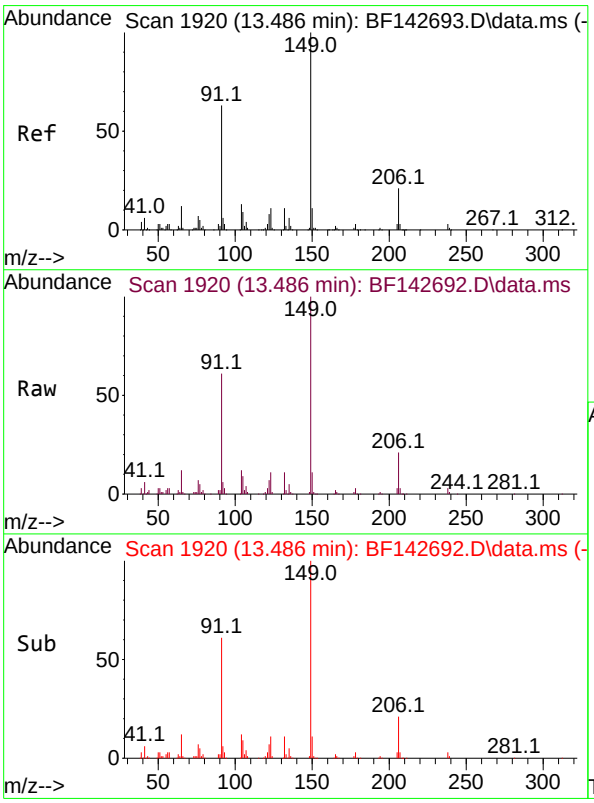
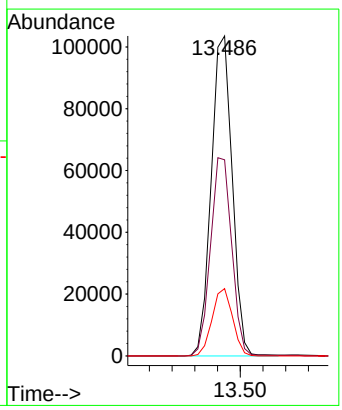
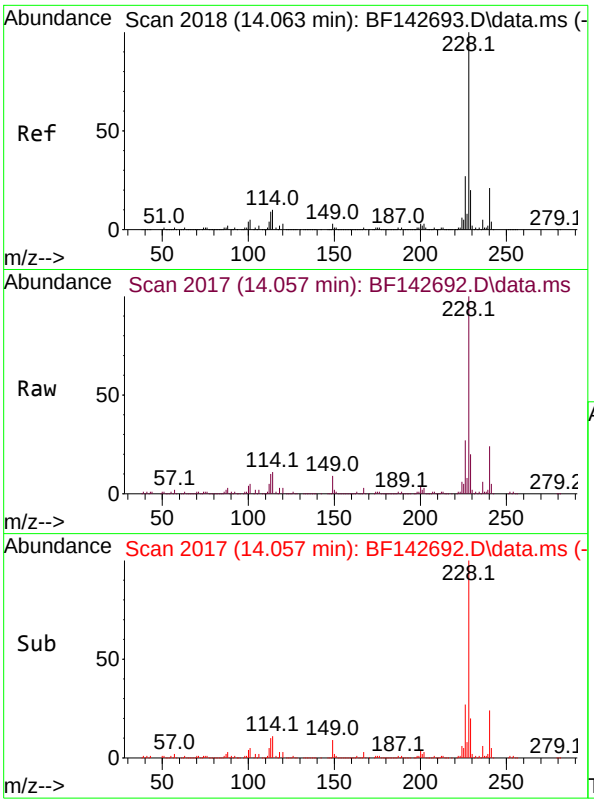


#80
Butylbenzylphthalate
Concen: 20.441 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 132895

Ion	Ratio	Lower	Upper
149	100		
91	61.3	50.5	75.7
206	21.0	16.9	25.3

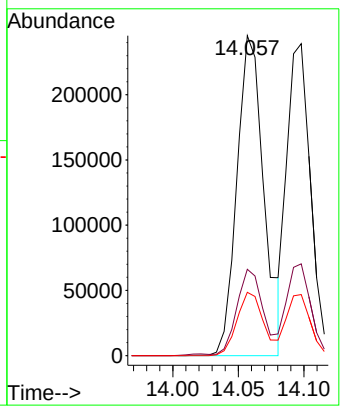




#81
Benzo(a)anthracene
Concen: 20.893 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:228 Resp: 35130

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Rahul Chavli 06/10/2025
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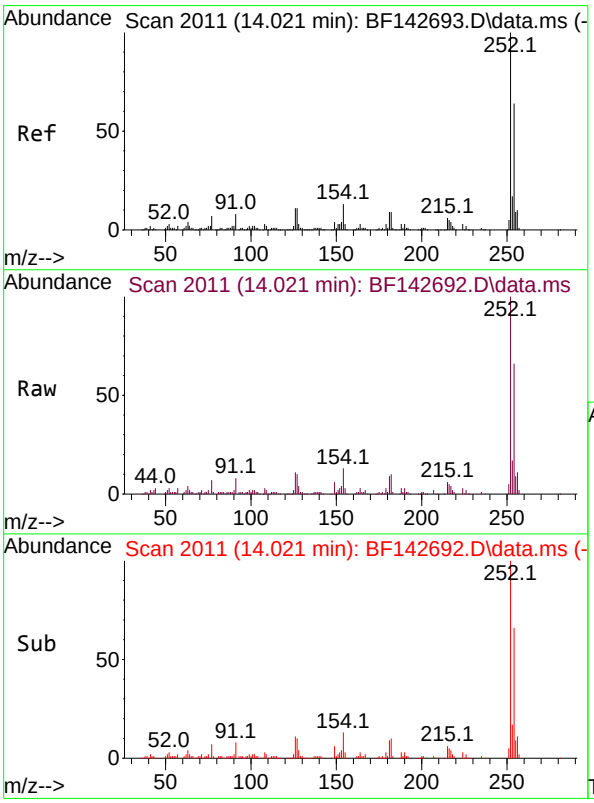
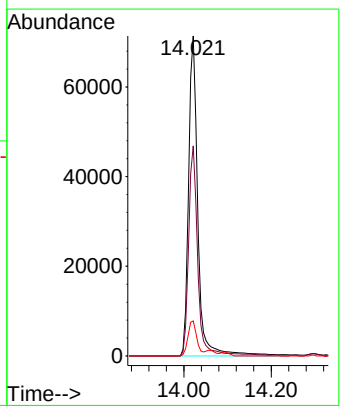
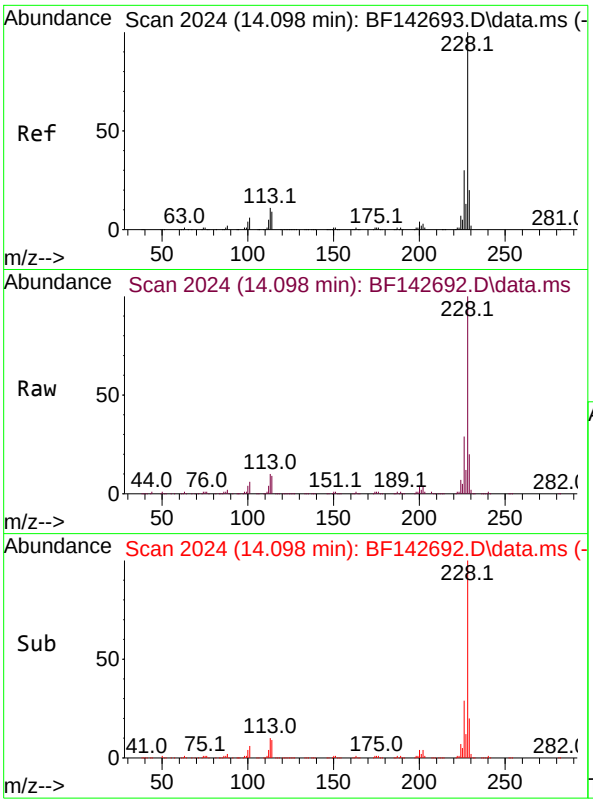


#82
3,3'-Dichlorobenzidine
Concen: 19.626 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 105486

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.4	77.2
126	10.9	9.1	13.7

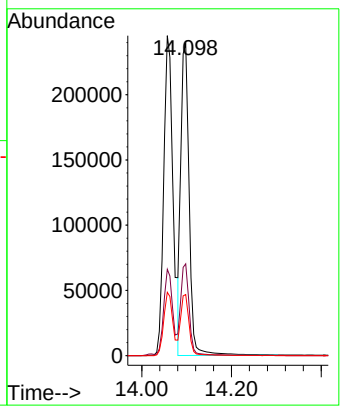




#83
Chrysene
Concen: 19.461 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:228 Resp: 309949

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.8
229	19.6	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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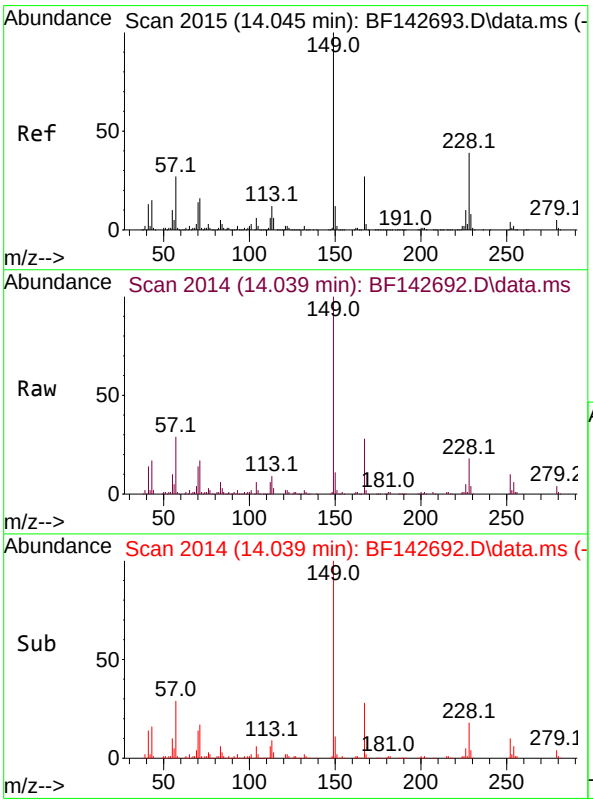
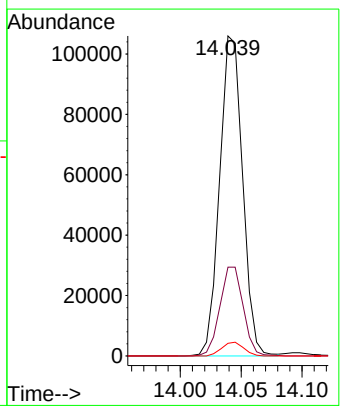
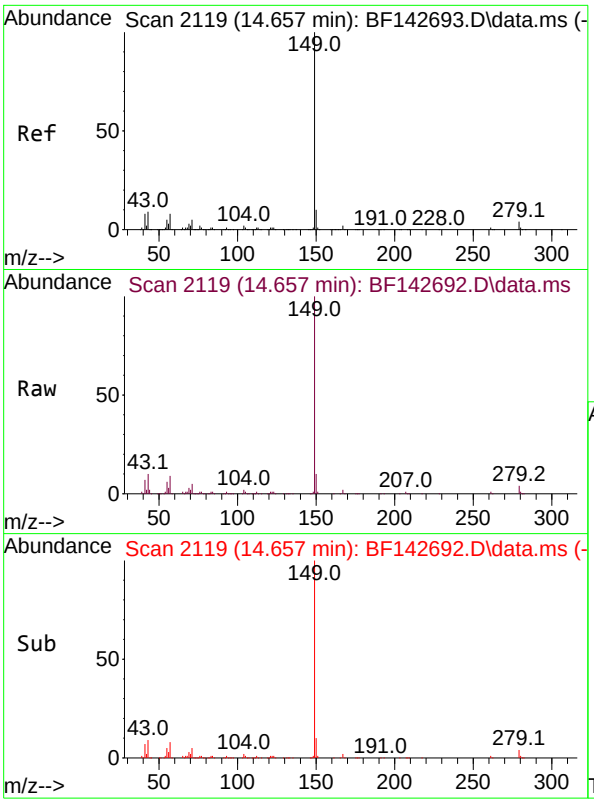


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.690 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 138732

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.9	32.9
279	3.9	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 17.085 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 24665

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.5	11.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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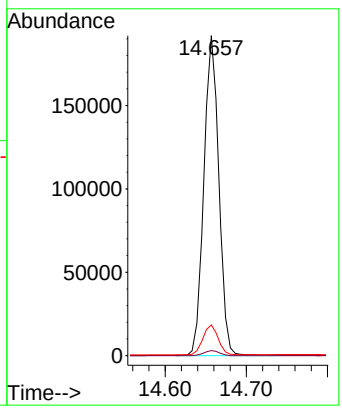
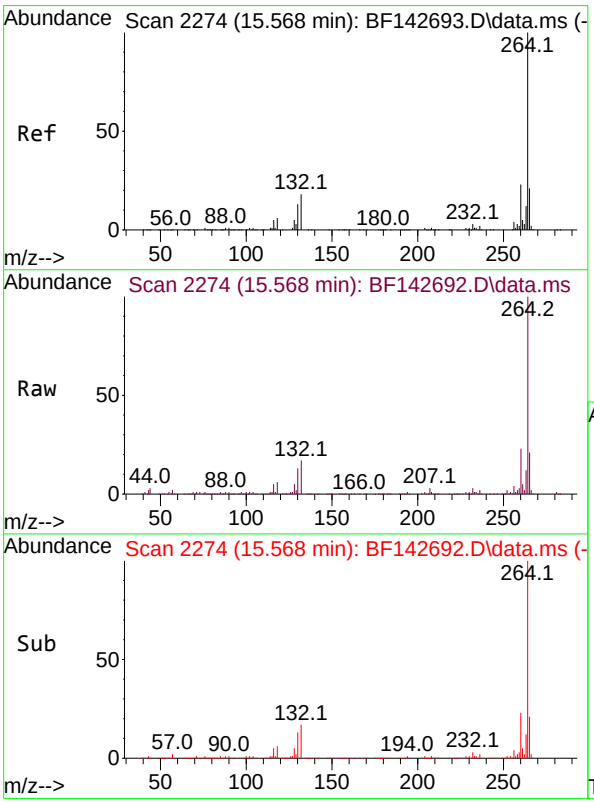
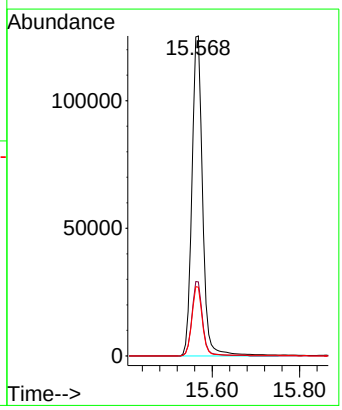


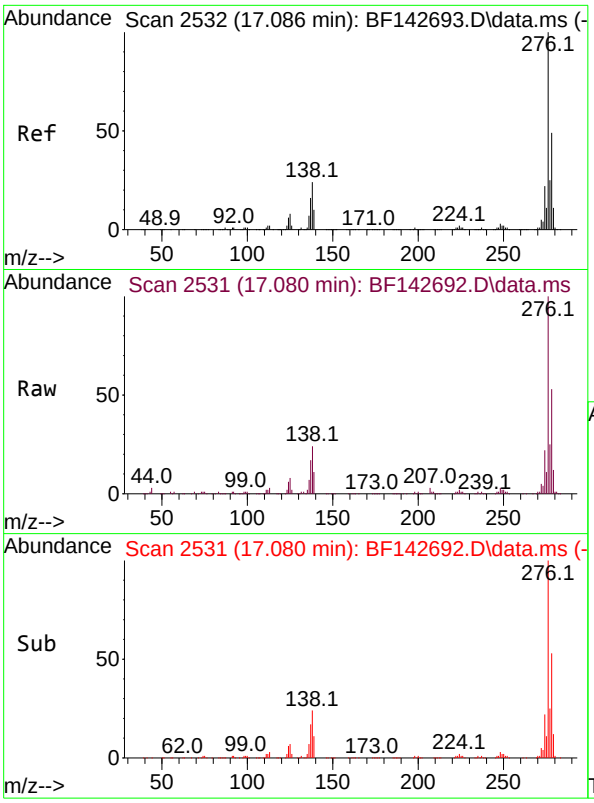


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:264 Resp: 213990

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.0	25.4

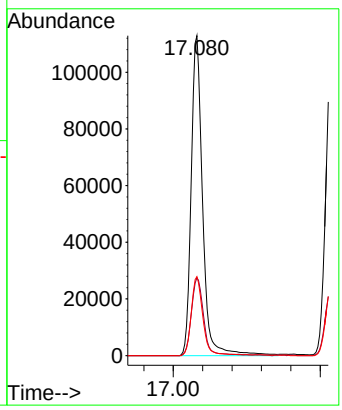




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:276 Resp: 30520

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.8	31.2
277	24.9	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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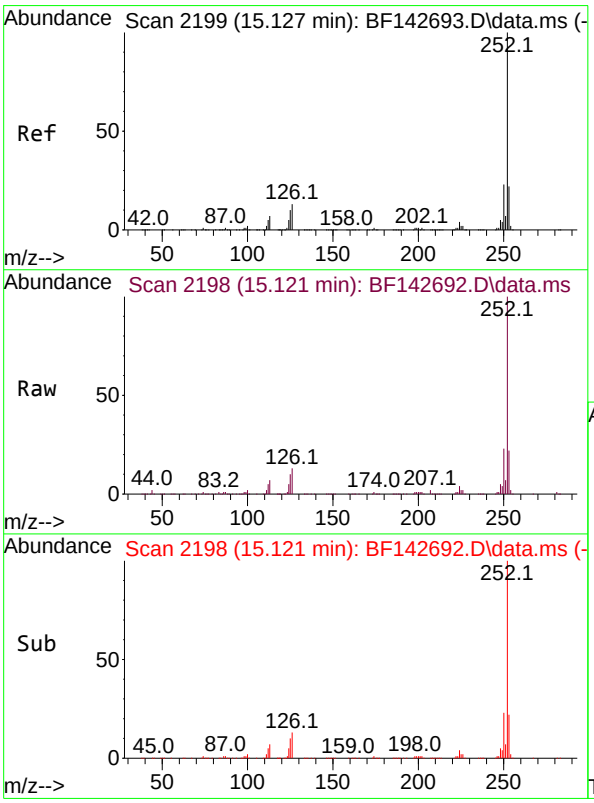
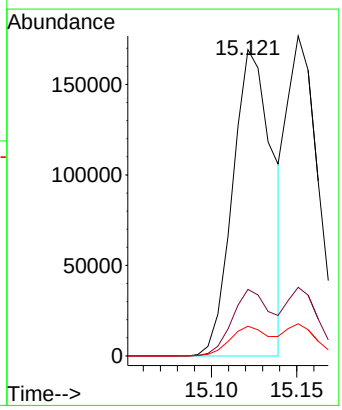
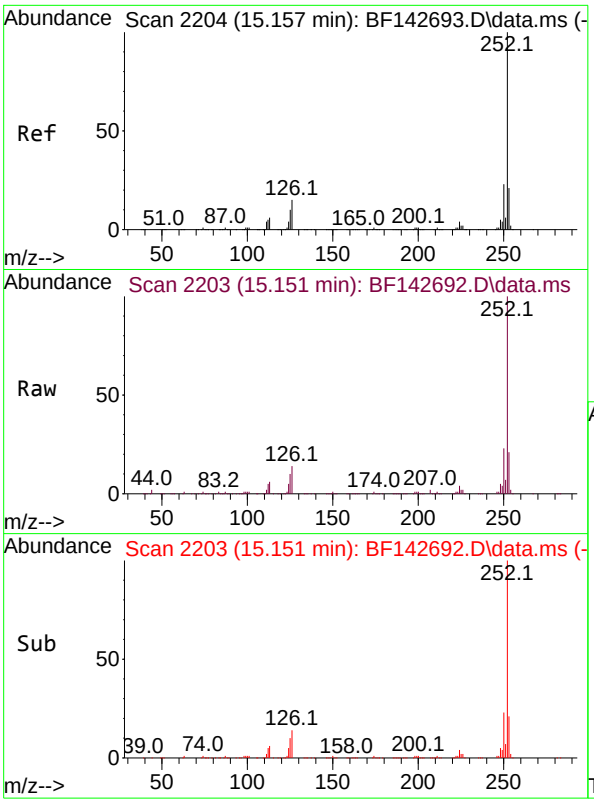


#88
Benzo(b)fluoranthene
Concen: 21.371 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 273218

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.7	7.8	11.8

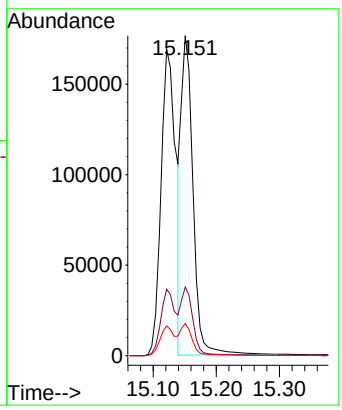




#89
Benzo(k)fluoranthene
Concen: 19.417 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 23360

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	10.0	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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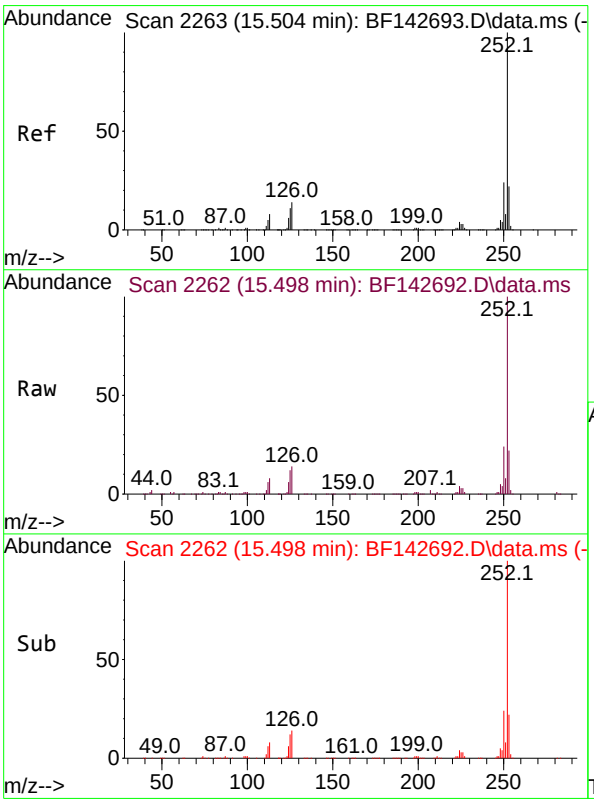
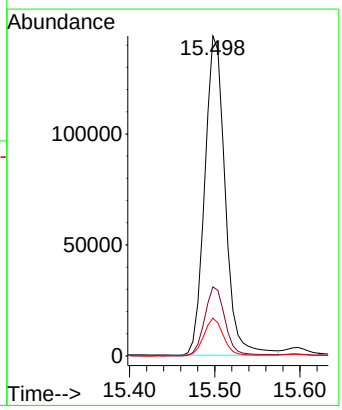
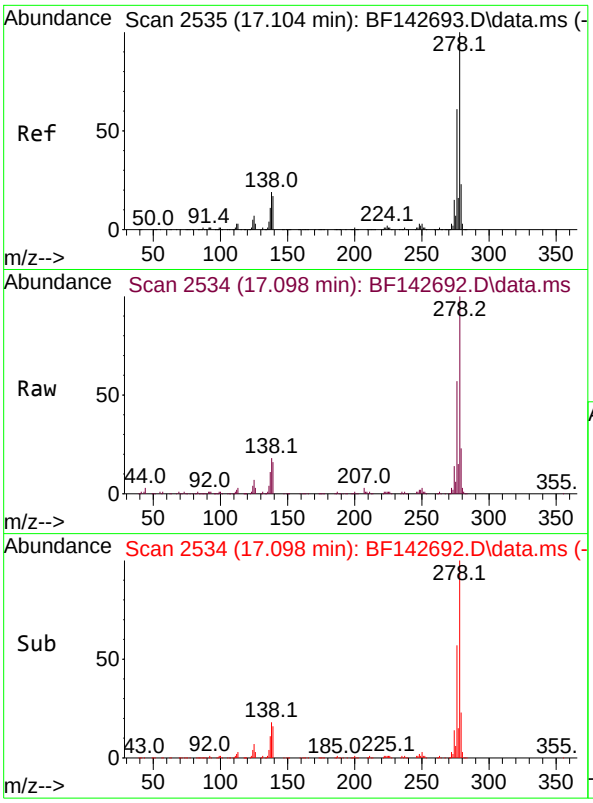


#90
Benzo(a)pyrene
Concen: 20.004 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 239654

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	11.8	8.8	13.2

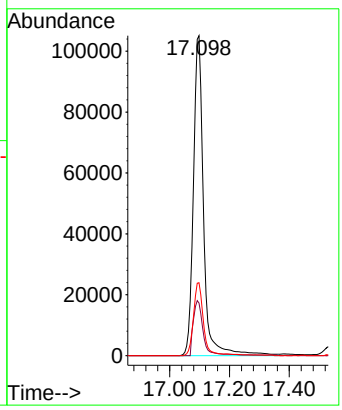




#91
Dibenzo(a,h)anthracene
Concen: 20.432 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:278 Resp: 24897

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.4	20.0
279	22.8	18.7	28.1



Instrument :
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ClientSampleId :
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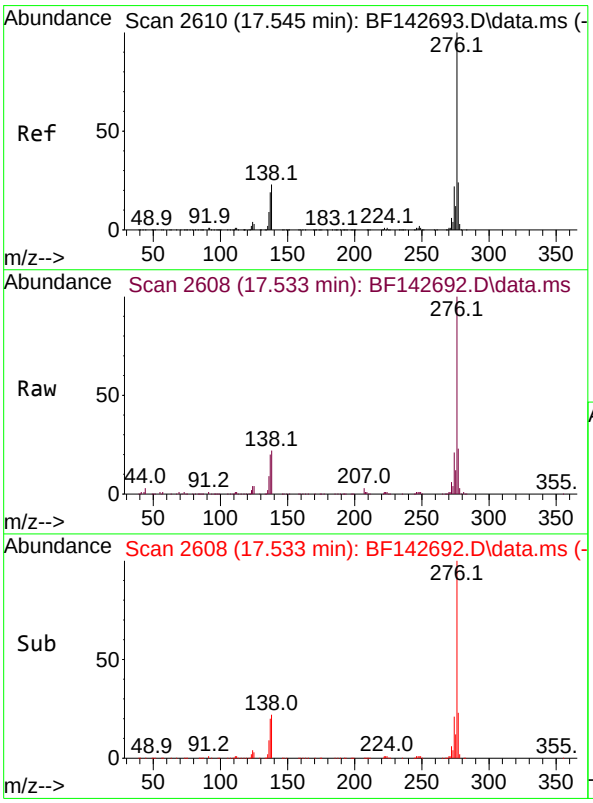
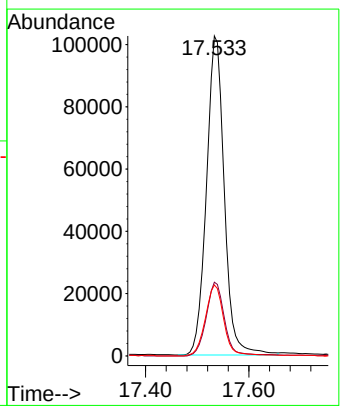


#92
Benzo(g,h,i)perylene
Concen: 19.493 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:276 Resp: 245955

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	22.2	18.2	27.2



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Data File : BF142693.D
Acq On : 09 Jun 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 09 17:24:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	98727	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	370503	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	201183	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	315667	20.000	ng	0.00
76) Chrysene-d12	14.074	240	233536	20.000	ng	0.00
86) Perylene-d12	15.568	264	224996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	451915	77.722	ng	0.00
7) Phenol-d6	6.522	99	546073	80.085	ng	0.00
23) Nitrobenzene-d5	7.463	82	523186	77.604	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	175313	77.561	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1103959	75.043	ng	0.00
79) Terphenyl-d14	13.016	244	1025380	69.439	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	88407	39.706	ng	100
3) Pyridine	3.451	79	227865	39.681	ng	100
4) n-Nitrosodimethylamine	3.399	42	109606	39.216	ng	100
6) Aniline	6.557	93	365975	39.977	ng	100
8) 2-Chlorophenol	6.681	128	246995	38.935	ng	100
9) Benzaldehyde	6.445	77	161898	42.117	ng	100
10) Phenol	6.540	94	307989	40.336	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	219918	39.535	ng	100
12) 1,3-Dichlorobenzene	6.834	146	278927	39.260	ng	100
13) 1,4-Dichlorobenzene	6.916	146	286569	39.449	ng	100
14) 1,2-Dichlorobenzene	7.063	146	276190	39.876	ng	100
15) Benzyl Alcohol	7.034	79	199588	40.015	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.169	45	366939	40.510	ng	100
17) 2-Methylphenol	7.145	107	196639	40.424	ng	100
18) Hexachloroethane	7.410	117	96706	38.750	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	162946	40.767	ng	100
20) 3+4-Methylphenols	7.298	107	241860	40.371	ng	100
22) Acetophenone	7.304	105	321091	39.645	ng	100
24) Nitrobenzene	7.481	77	237848	39.120	ng	100
25) Isophorone	7.716	82	414446	37.891	ng	100
26) 2-Nitrophenol	7.798	139	135237	40.324	ng	100
27) 2,4-Dimethylphenol	7.828	122	221669	38.891	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	277054	40.386	ng	100
29) 2,4-Dichlorophenol	8.039	162	215816	41.331	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	219066	38.461	ng	100
31) Naphthalene	8.204	128	719716	39.421	ng	100
32) Benzoic acid	7.939	122	138046	39.896	ng	100
33) 4-Chloroaniline	8.251	127	299495	39.901	ng	100
34) Hexachlorobutadiene	8.316	225	135956	38.757	ng	100
35) Caprolactam	8.622	113	62434	38.928	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	195407	36.280	ng	100
37) 2-Methylnaphthalene	8.892	142	416736	36.276	ng	100
38) 1-Methylnaphthalene	8.992	142	438427	36.854	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	218008	37.497	ng	100
41) Hexachlorocyclopentadiene	9.045	237	132767	38.886	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	147996	38.794	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142693.D
Acq On : 09 Jun 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 09 17:24:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

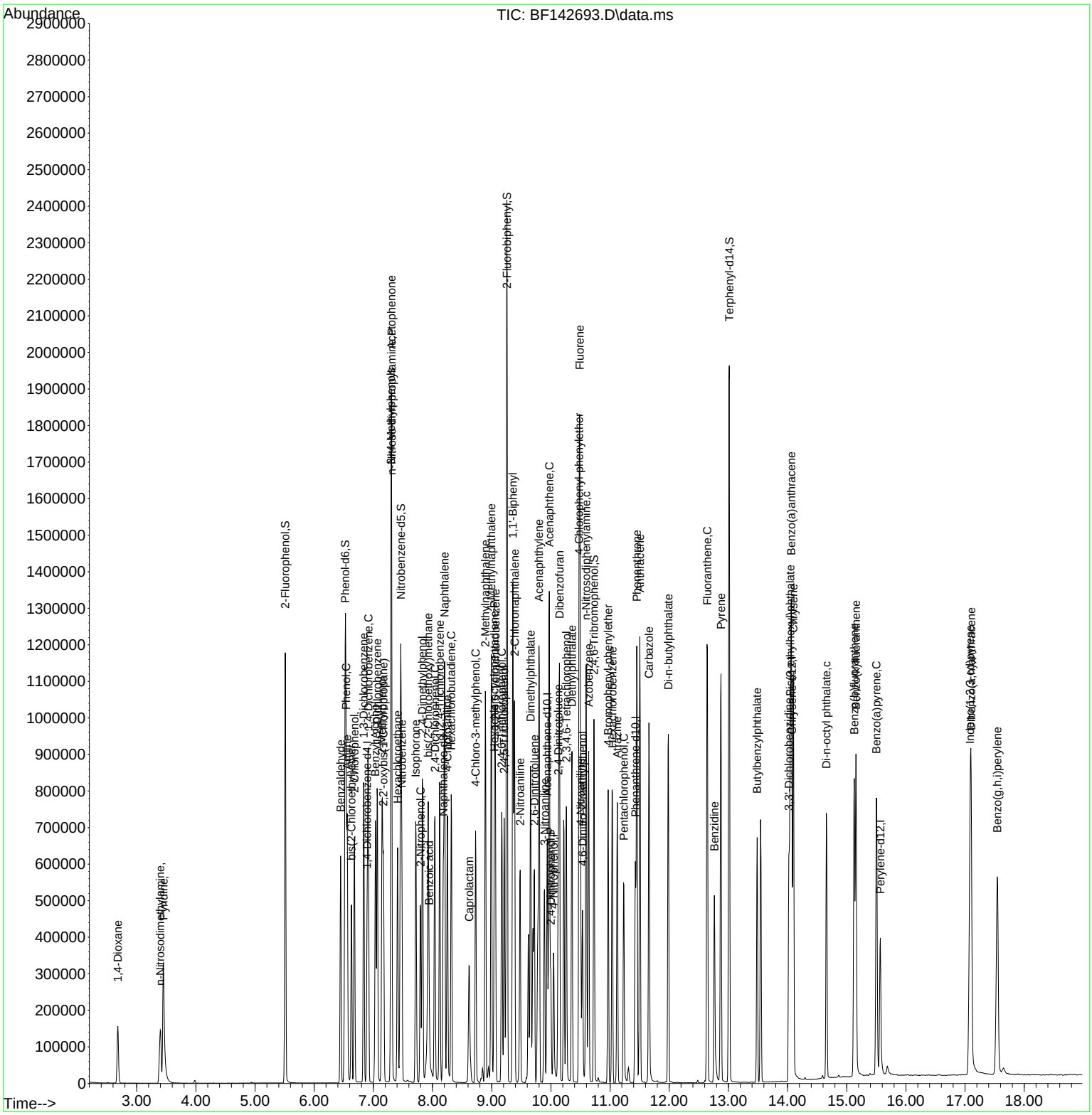
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	155681	38.207	ng	100
46) 1,1'-Biphenyl	9.357	154	607339	38.823	ng	100
47) 2-Chloronaphthalene	9.386	162	455439	38.855	ng	100
48) 2-Nitroaniline	9.480	65	140480	40.275	ng	100
49) Acenaphthylene	9.798	152	761938	39.221	ng	100
50) Dimethylphthalate	9.657	163	520240	38.434	ng	100
51) 2,6-Dinitrotoluene	9.722	165	111922	38.224	ng	100
52) Acenaphthene	9.975	154	471394	39.666	ng	100
53) 3-Nitroaniline	9.892	138	129850	39.467	ng	100
54) 2,4-Dinitrophenol	9.998	184	65370	40.323	ng	100
55) Dibenzofuran	10.145	168	661193	38.782	ng	100
56) 4-Nitrophenol	10.045	139	90823	40.161	ng	100
57) 2,4-Dinitrotoluene	10.128	165	156051	39.759	ng	100
58) Fluorene	10.486	166	520439	38.191	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	140730	41.043	ng	100
60) Diethylphthalate	10.357	149	498360	37.925	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	247631	38.435	ng	100
62) 4-Nitroaniline	10.504	138	124994	40.049	ng	100
63) Azobenzene	10.639	77	440296	37.404	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	90946	45.172	ng	100
66) n-Nitrosodiphenylamine	10.598	169	426969	41.893	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	144998	41.558	ng	100
68) Hexachlorobenzene	11.039	284	167095	41.679	ng	100
69) Atrazine	11.122	200	130910	42.355	ng	100
70) Pentachlorophenol	11.233	266	100328	45.505	ng	100
71) Phenanthrene	11.451	178	651415	38.601	ng	100
72) Anthracene	11.504	178	679984	38.828	ng	100
73) Carbazole	11.657	167	634025	40.205	ng	100
74) Di-n-butylphthalate	11.986	149	720277	43.024	ng	100
75) Fluoranthene	12.645	202	745248	44.076	ng	100
77) Benzidine	12.763	184	339768	42.155	ng	100
78) Pyrene	12.874	202	684749	35.984	ng	100
80) Butylbenzylphthalate	13.486	149	225271	38.441	ng	100
81) Benzo(a)anthracene	14.063	228	601282	39.672	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	198683	41.010	ng	100
83) Chrysene	14.098	228	560504	39.044	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	280000	41.849	ng	100
85) Di-n-octyl phthalate	14.657	149	510773	39.252	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	637370	40.047	ng	100
88) Benzo(b)fluoranthene	15.127	252	511131	38.024	ng	100
89) Benzo(k)fluoranthene	15.157	252	533158	42.149	ng	100
90) Benzo(a)pyrene	15.504	252	496529	39.418	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	507864	39.640	ng	100
92) Benzo(g,h,i)perylene	17.545	276	515426	38.851	ng	100

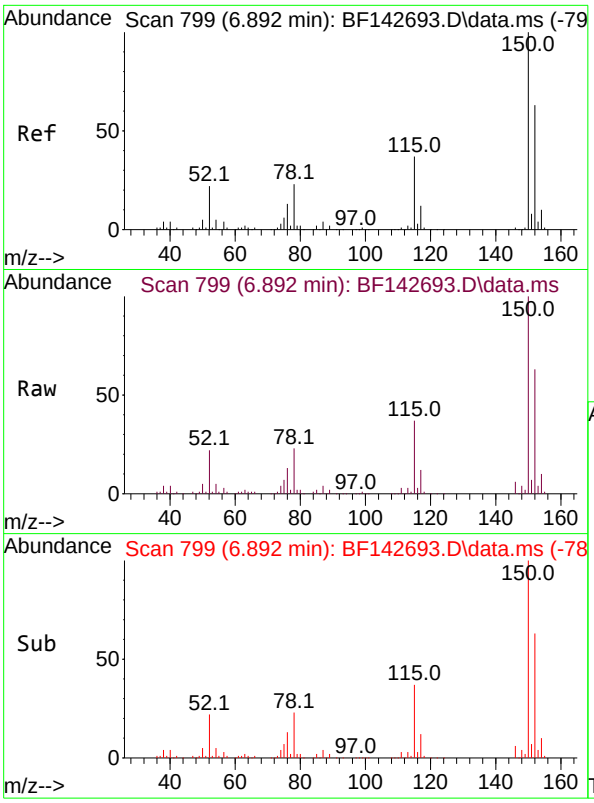
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142693.D
Acq On : 09 Jun 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 09 17:24:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



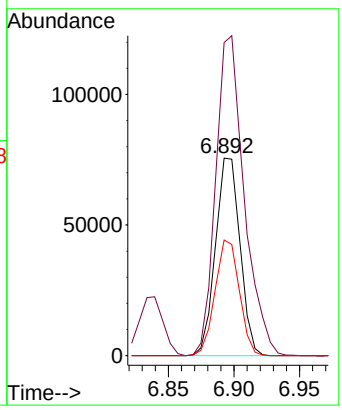


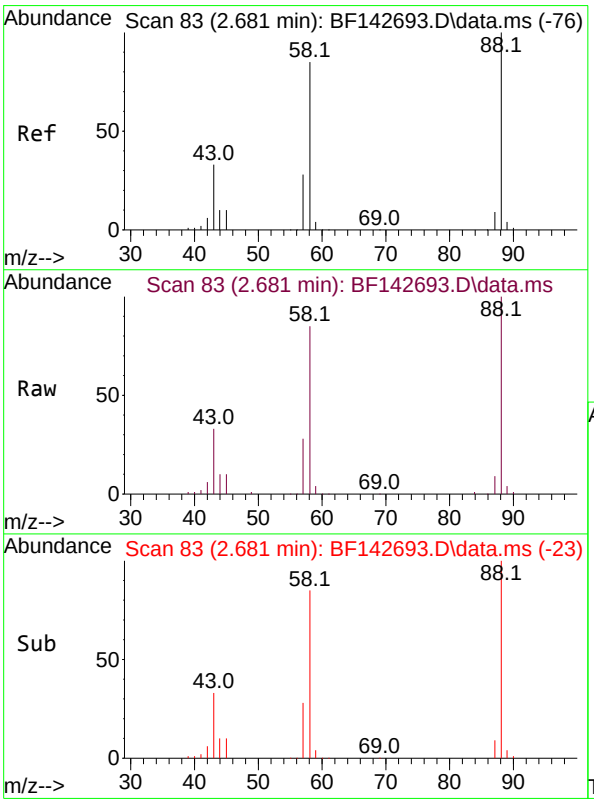
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 98727

Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.8	190.2
115	58.5	46.8	70.2

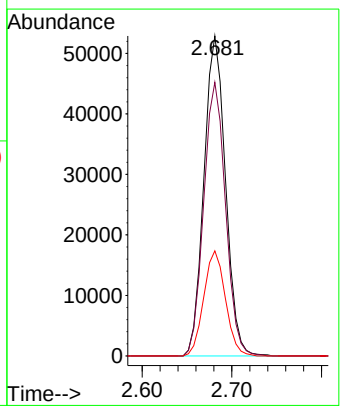


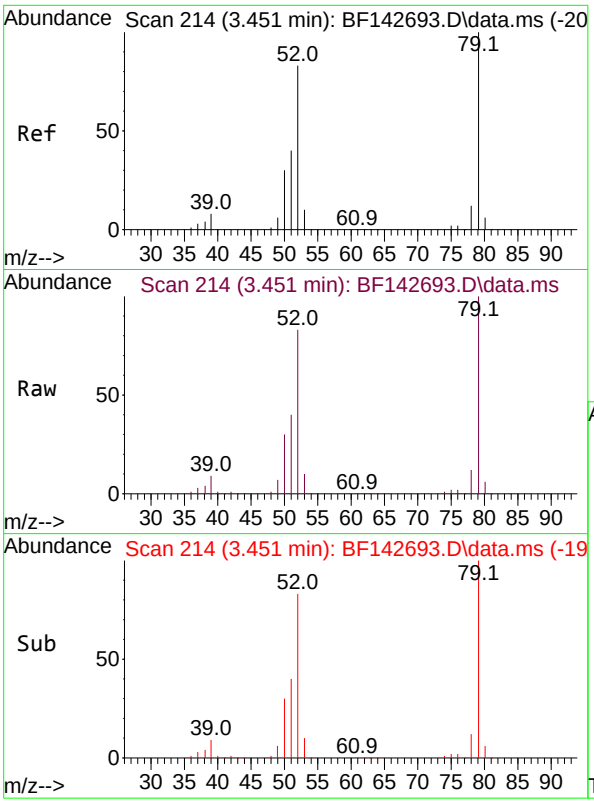


#2
1,4-Dioxane
Concen: 39.706 ng
RT: 2.681 min Scan# 83
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 88 Resp: 88407

Ion	Ratio	Lower	Upper
88	100		
58	86.5	69.2	103.8
43	32.9	26.3	39.5



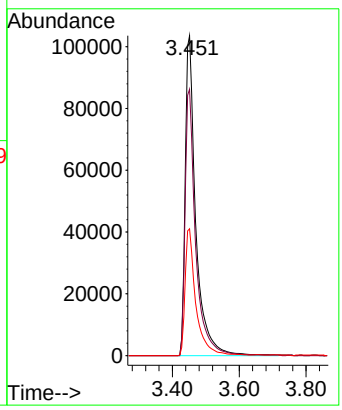


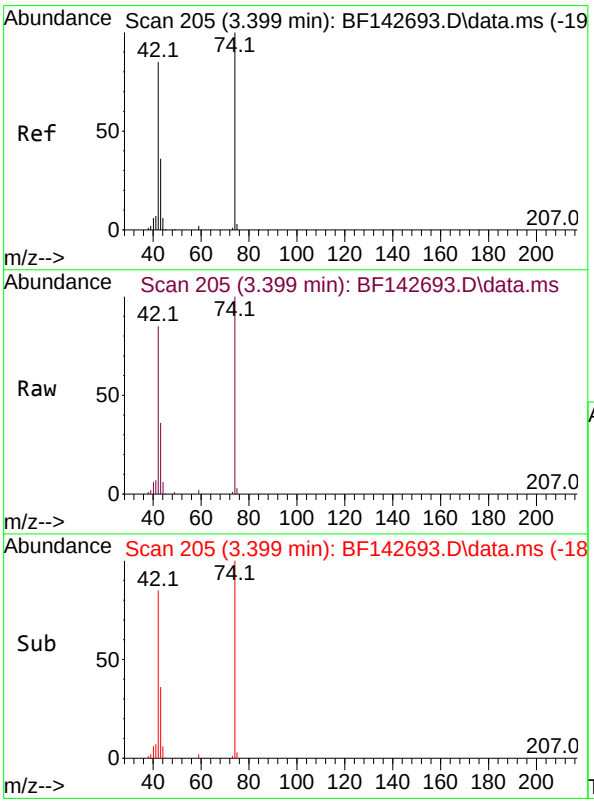
#3
Pyridine
Concen: 39.681 ng
RT: 3.451 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 227865

Ion	Ratio	Lower	Upper
79	100		
52	83.2	66.6	99.8
51	39.6	31.7	47.5

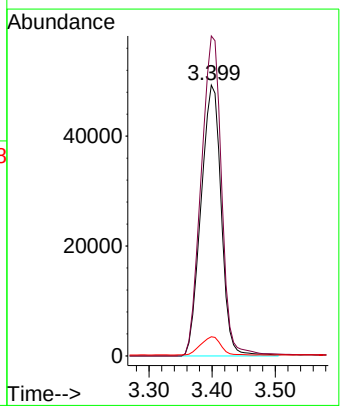


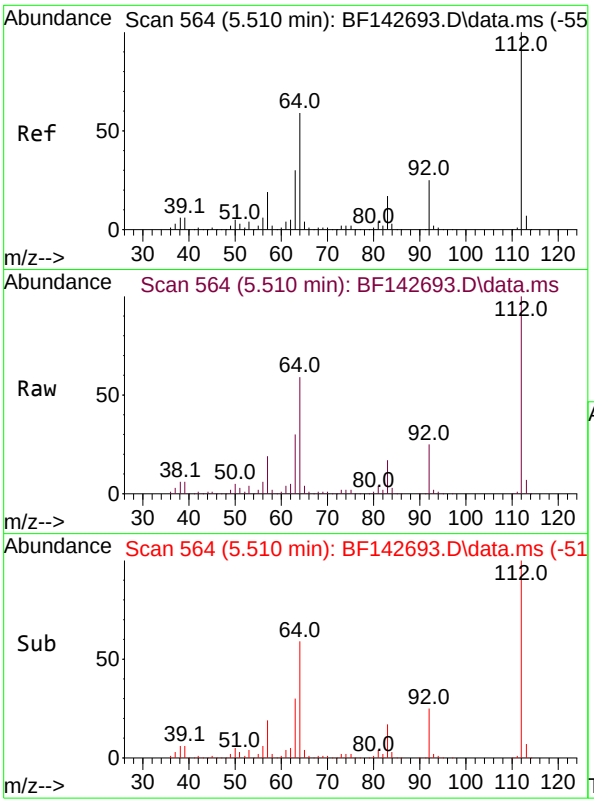


#4
n-Nitrosodimethylamine
Concen: 39.216 ng
RT: 3.399 min Scan# 205
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 42 Resp: 109606

Ion	Ratio	Lower	Upper
42	100		
74	118.1	94.5	141.7
44	7.0	5.6	8.4



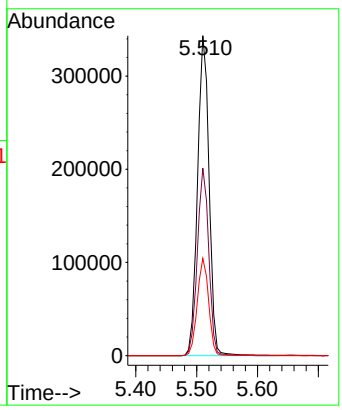


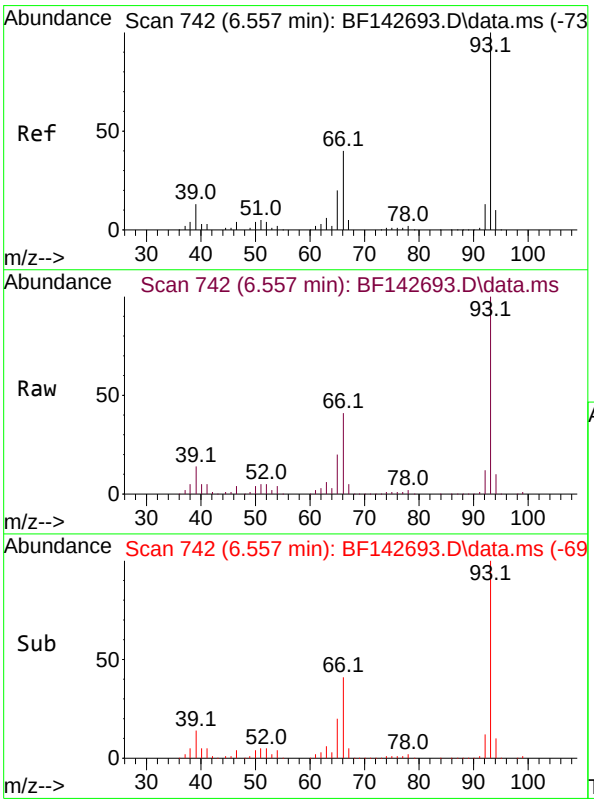
#5
2-Fluorophenol
Concen: 77.722 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 451915

Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.9	70.3
63	30.4	24.3	36.5

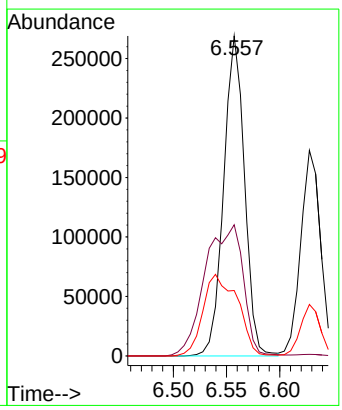


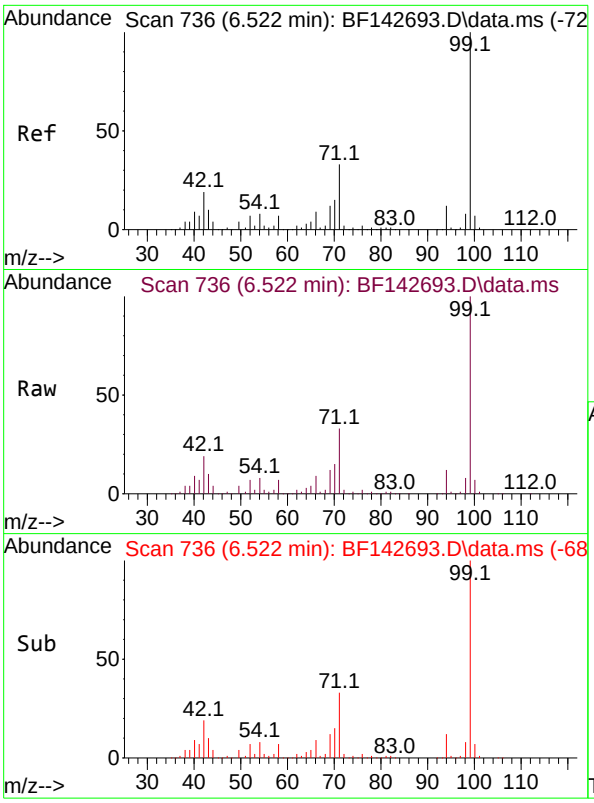


#6
Aniline
Concen: 39.977 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 93 Resp: 365975

Ion	Ratio	Lower	Upper
93	100		
66	41.0	32.8	49.2
65	20.5	16.4	24.6



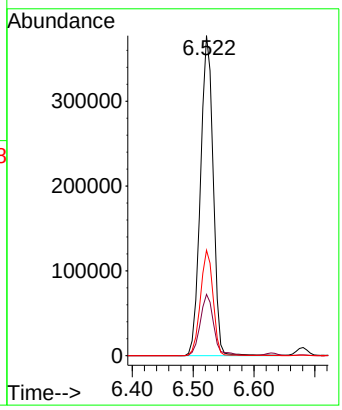


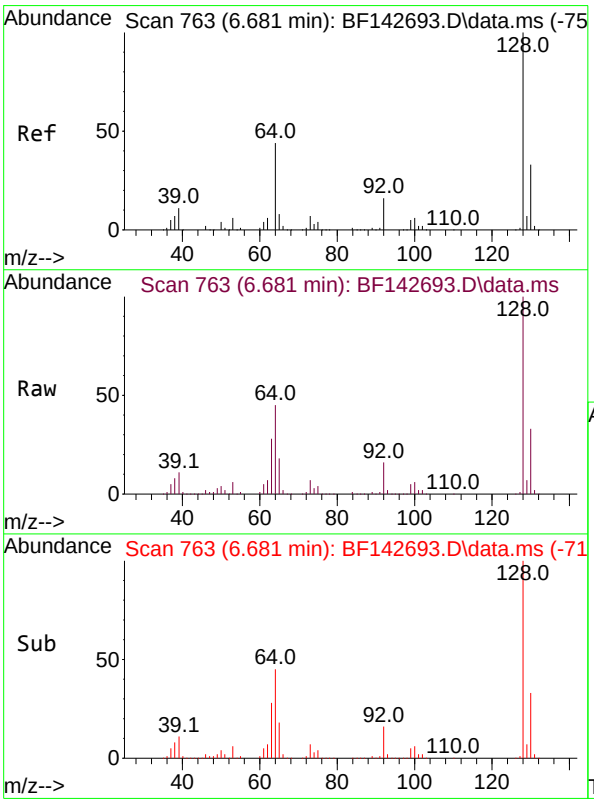
#7
Phenol-d6
Concen: 80.085 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 546073

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.3	22.9
71	32.9	26.3	39.5

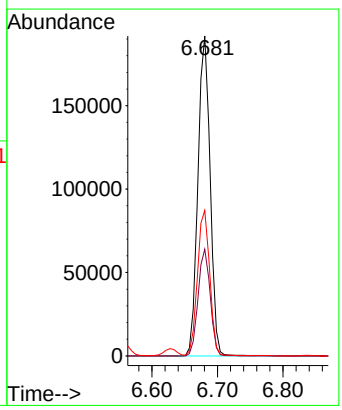


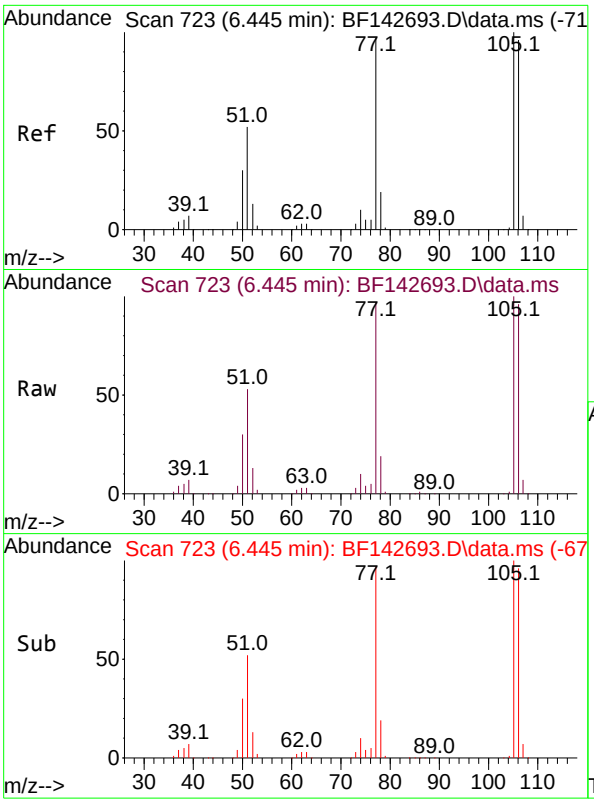


#8
2-Chlorophenol
Concen: 38.935 ng
RT: 6.681 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:128 Resp: 246995

Ion	Ratio	Lower	Upper
128	100		
130	33.3	13.3	53.3
64	45.4	25.4	65.4



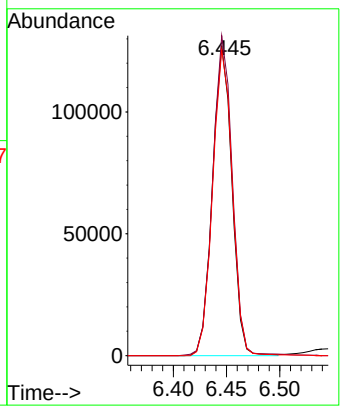


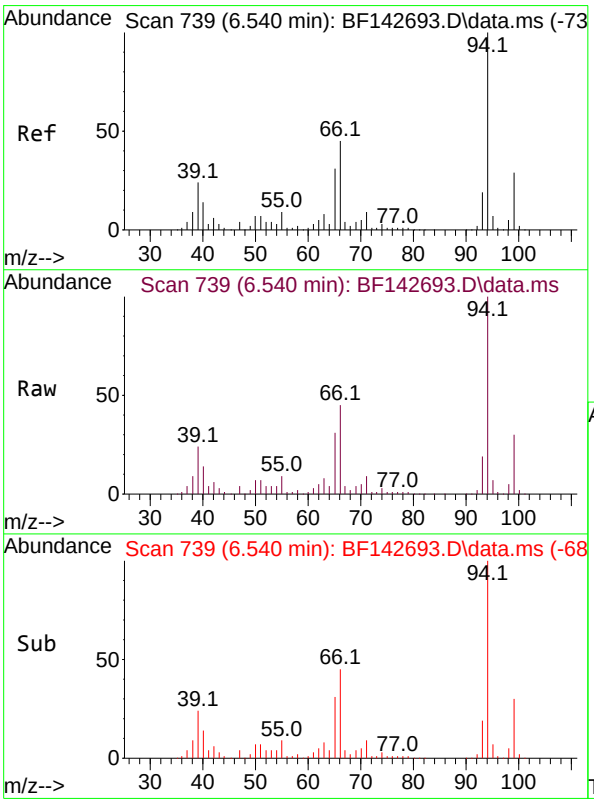
#9
Benzaldehyde
Concen: 42.117 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 161898

Ion	Ratio	Lower	Upper
77	100		
105	103.2	83.2	123.2
106	98.7	78.7	118.7

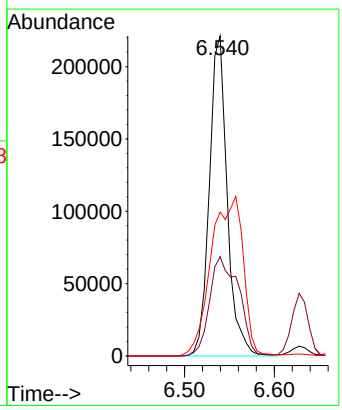


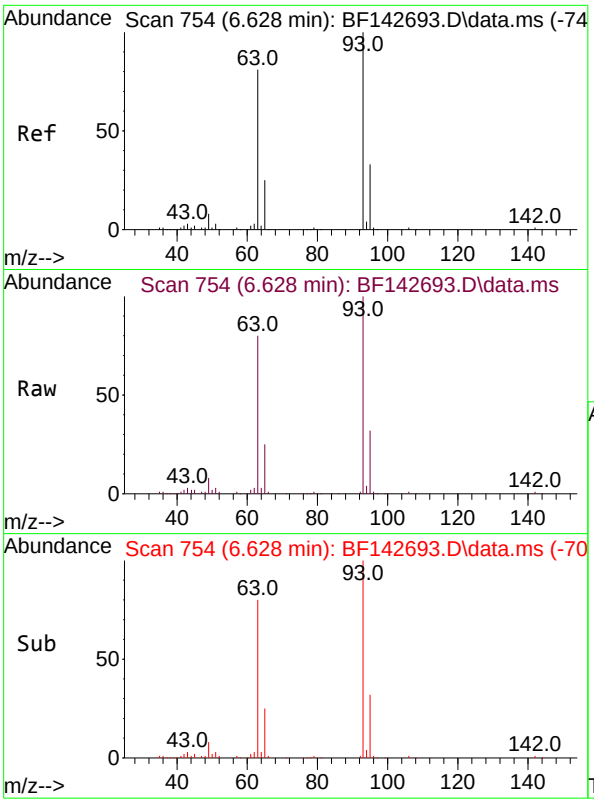


#10
Phenol
Concen: 40.336 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 94 Resp: 307989

Ion	Ratio	Lower	Upper
94	100		
65	31.0	11.0	51.0
66	44.9	24.9	64.9



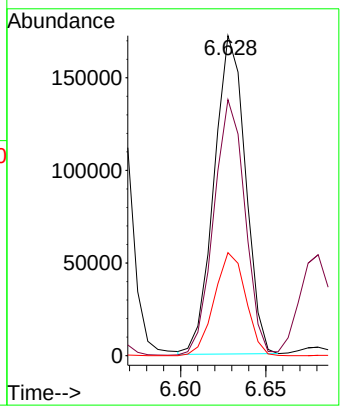


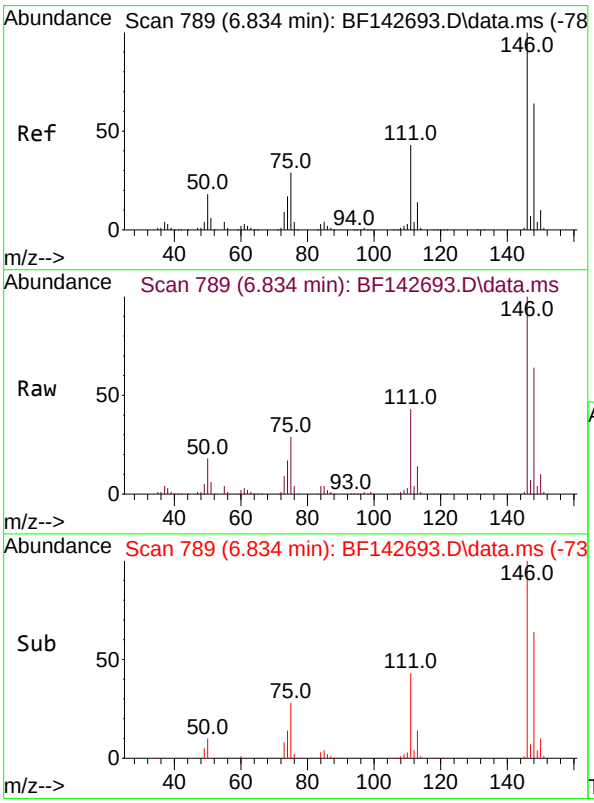
#11
bis(2-Chloroethyl)ether
Concen: 39.535 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 219918

Ion	Ratio	Lower	Upper
93	100		
63	80.0	60.0	100.0
95	32.2	12.2	52.2

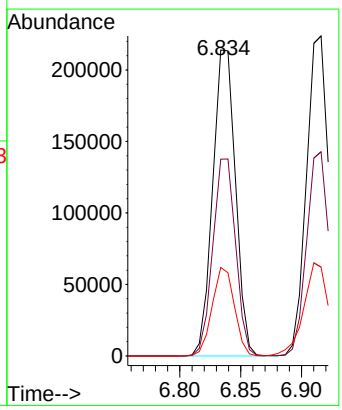


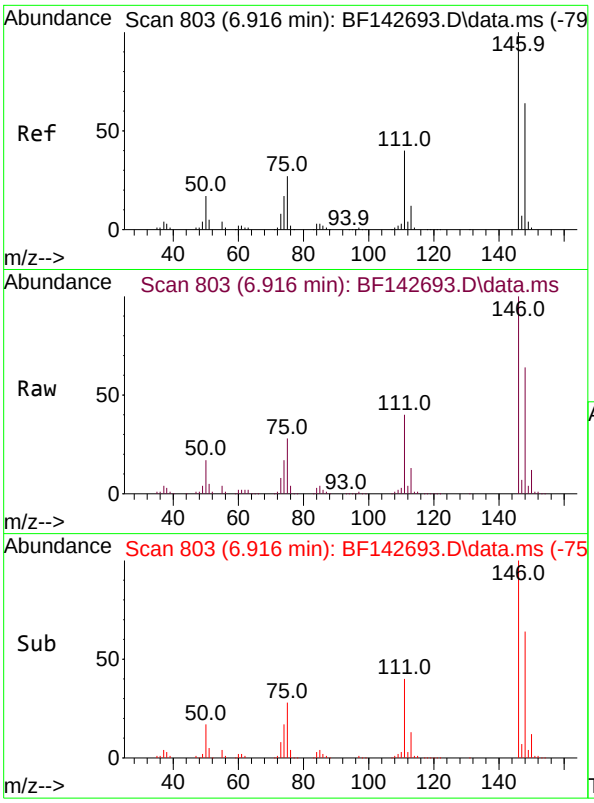


#12
1,3-Dichlorobenzene
Concen: 39.260 ng
RT: 6.834 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:146 Resp: 278927

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
75	28.9	23.1	34.7



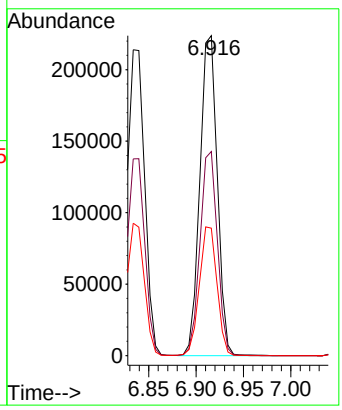


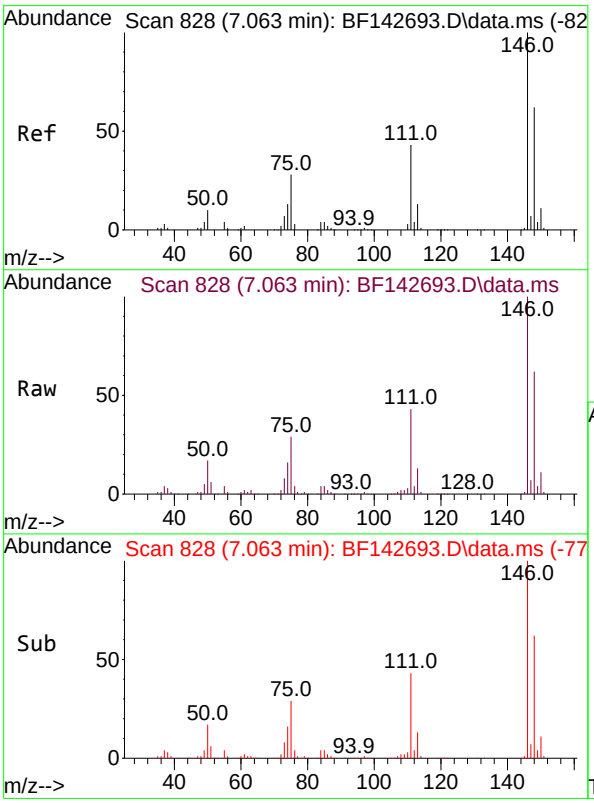
#13
1,4-Dichlorobenzene
Concen: 39.449 ng
RT: 6.916 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 286569

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	39.8	31.8	47.8

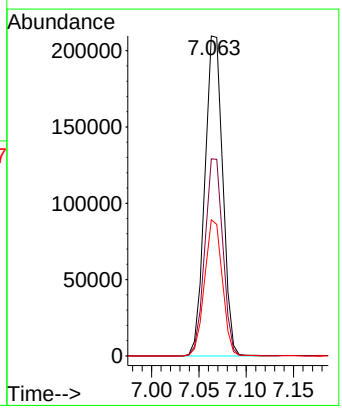


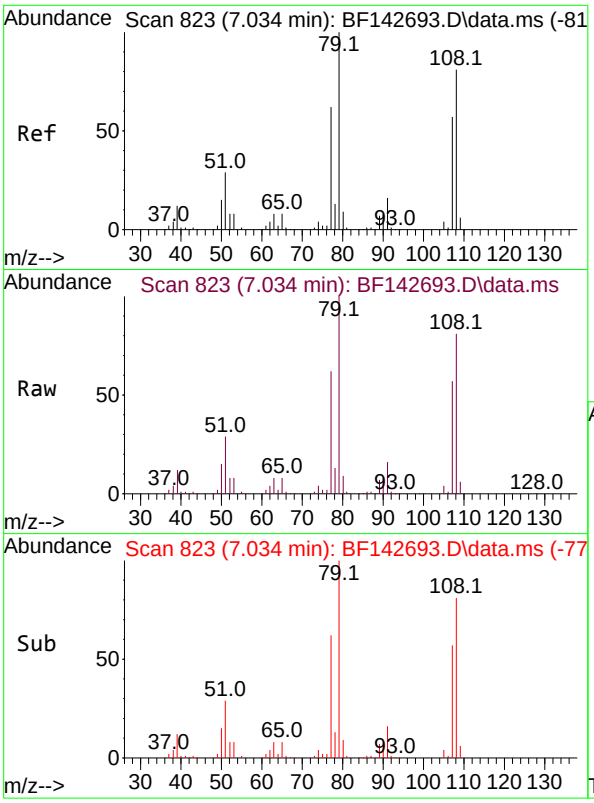


#14
1,2-Dichlorobenzene
Concen: 39.876 ng
RT: 7.063 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:146 Resp: 276190

Ion	Ratio	Lower	Upper
146	100		
148	61.6	49.3	73.9
111	42.6	34.1	51.1



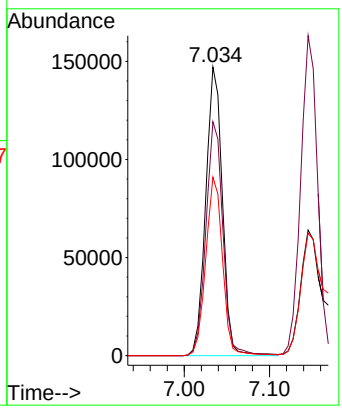


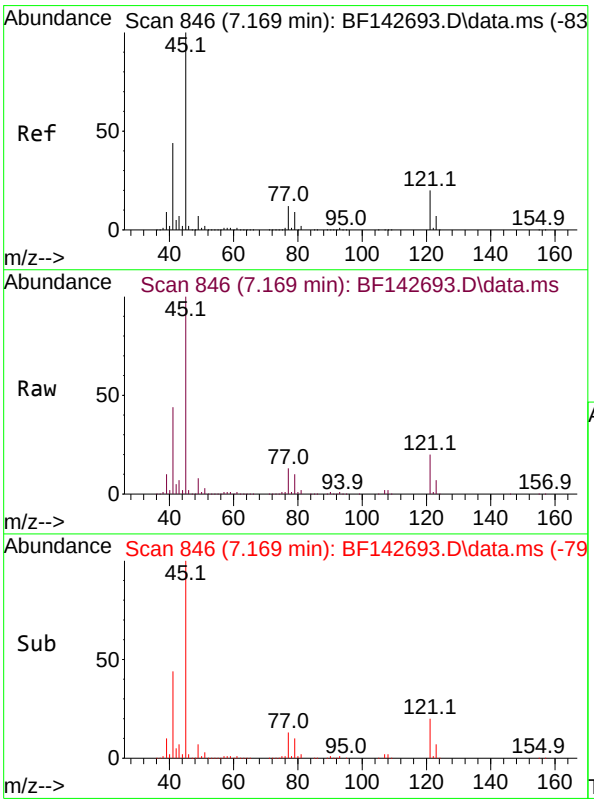
#15
Benzyl Alcohol
Concen: 40.015 ng
RT: 7.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 199588

Ion	Ratio	Lower	Upper
79	100		
108	81.0	64.8	97.2
77	61.8	49.4	74.2

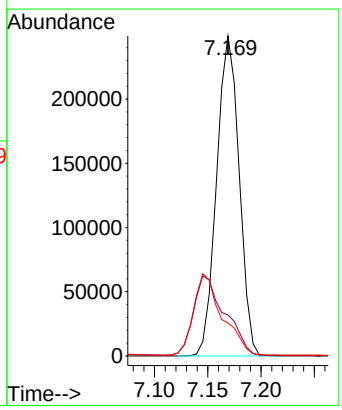


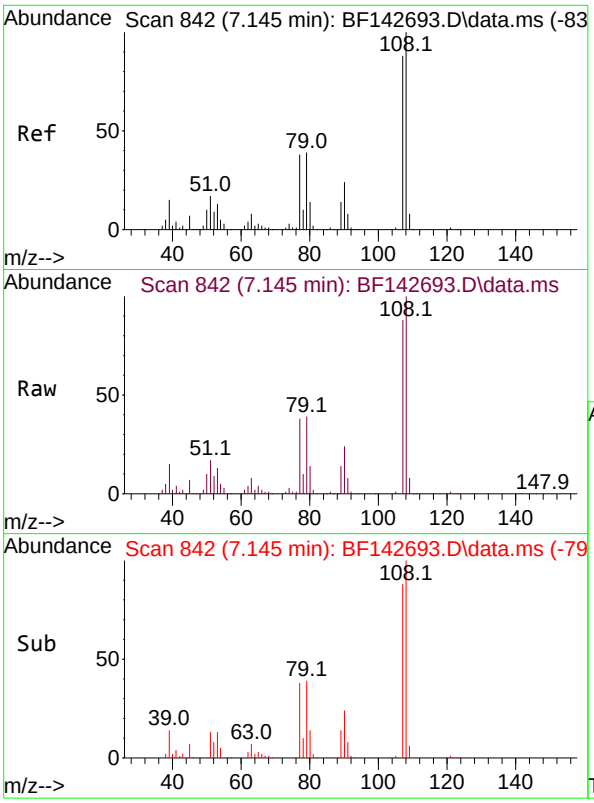


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.510 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 45 Resp: 366939

Ion	Ratio	Lower	Upper
45	100		
77	12.8	0.0	32.8
79	10.3	0.0	30.3



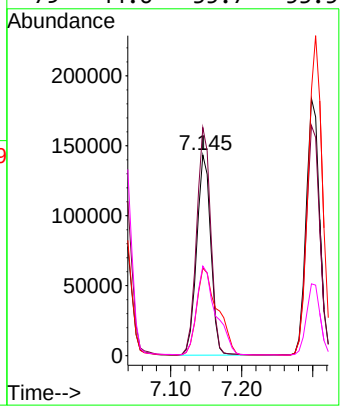


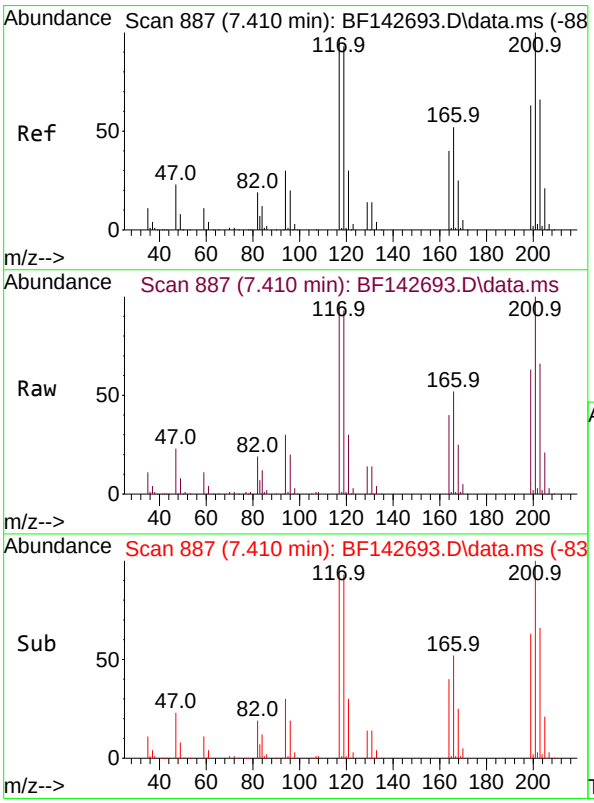
#17
2-Methylphenol
Concen: 40.424 ng
RT: 7.145 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 196639

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	43.6	34.9	52.3
79	44.6	35.7	53.5

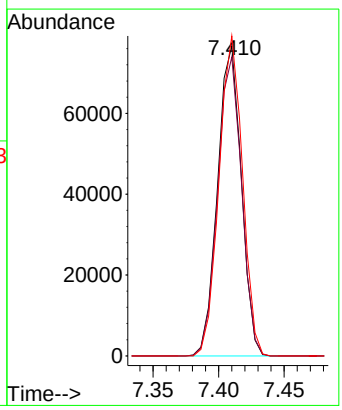


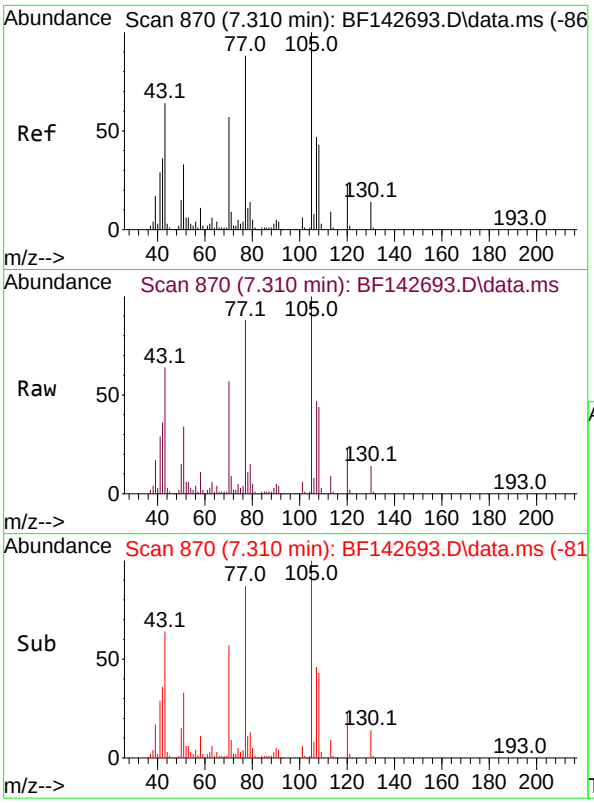


#18
Hexachloroethane
Concen: 38.750 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:117 Resp: 96706

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
201	103.2	82.6	123.8



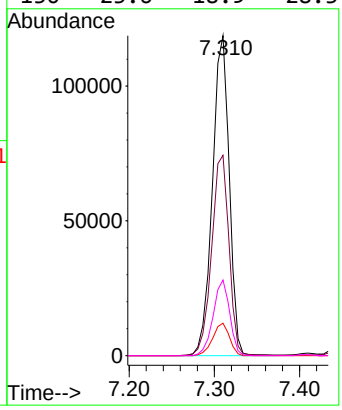


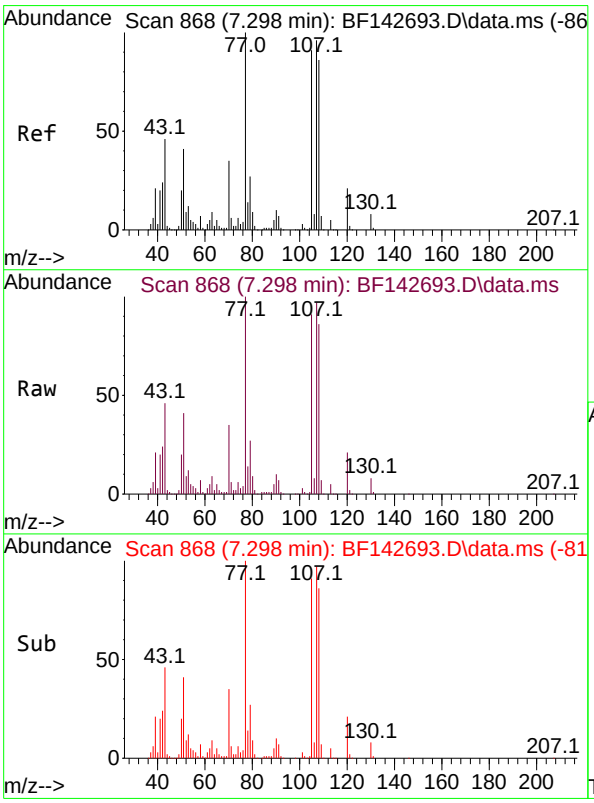
#19
n-Nitroso-di-n-propylamine
Concen: 40.767 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 162946

Ion	Ratio	Lower	Upper
70	100		
42	62.6	50.1	75.1
101	10.1	8.1	12.1
130	23.6	18.9	28.3

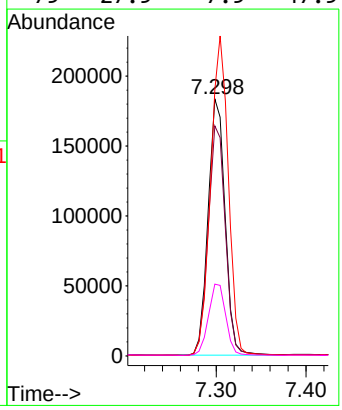


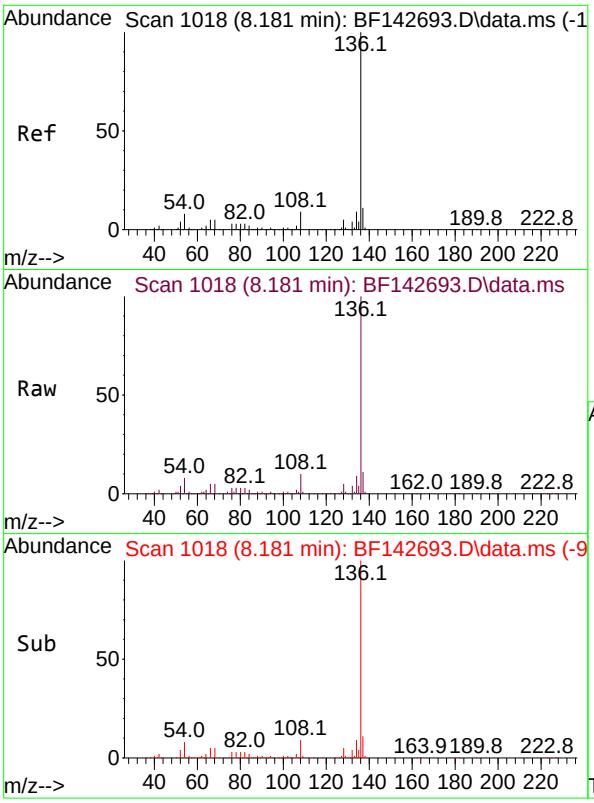


#20
3+4-Methylphenols
Concen: 40.371 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:107 Resp: 241860

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.5	109.5
77	103.6	83.6	123.6
79	27.9	7.9	47.9



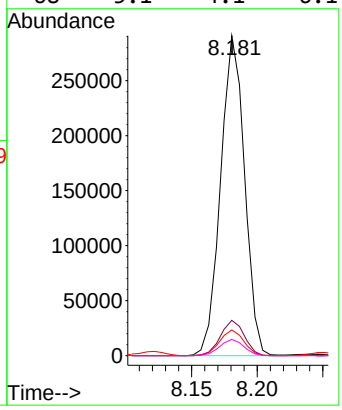


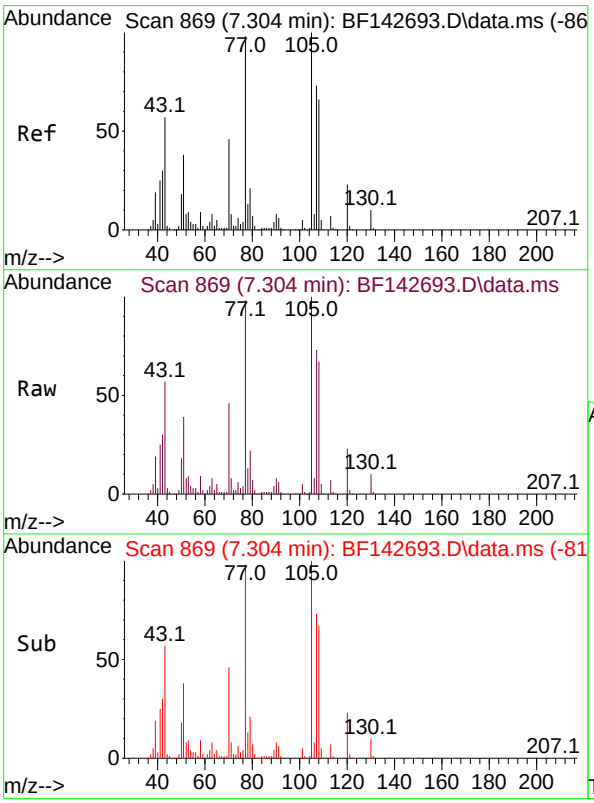
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 370503

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.0	6.4	9.6
68	5.1	4.1	6.1

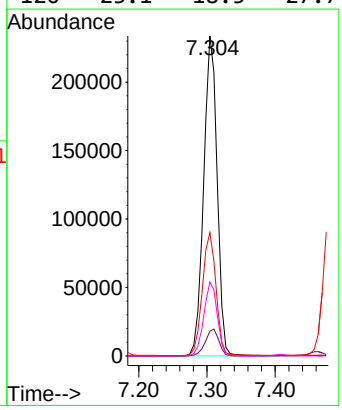


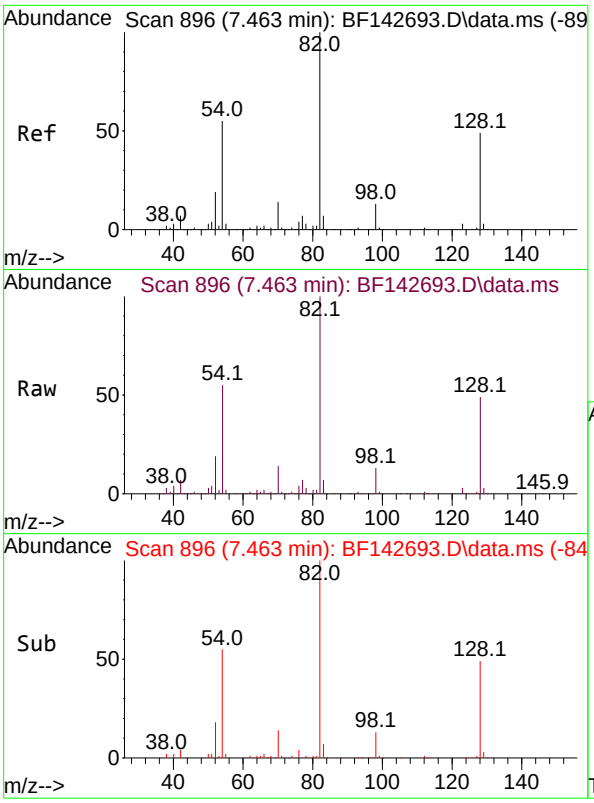


#22
Acetophenone
Concen: 39.645 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:105 Resp: 321091

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.2	9.2
51	38.5	30.8	46.2
120	23.1	18.5	27.7



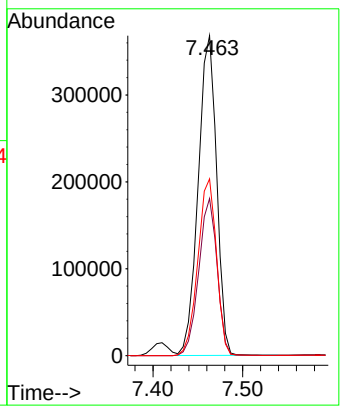


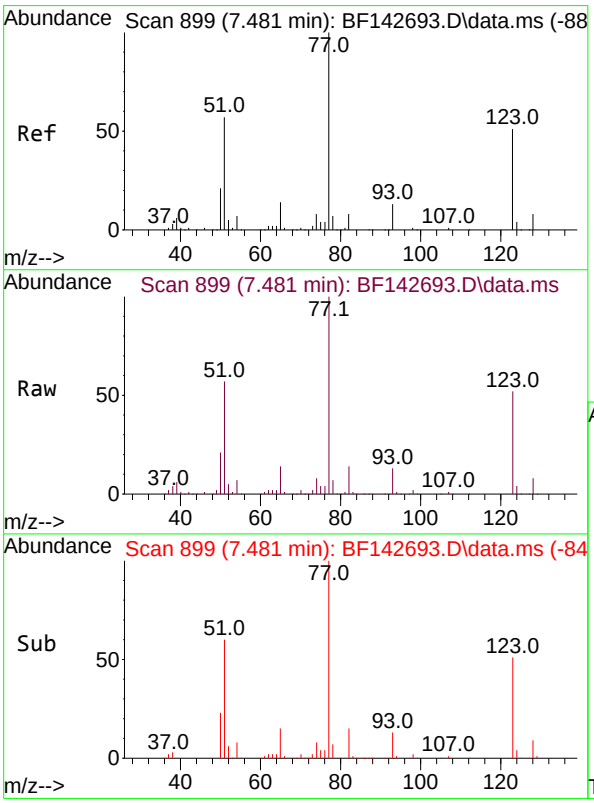
#23
Nitrobenzene-d5
Concen: 77.604 ng
RT: 7.463 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 523186

Ion	Ratio	Lower	Upper
82	100		
128	49.1	39.3	58.9
54	55.2	44.2	66.2

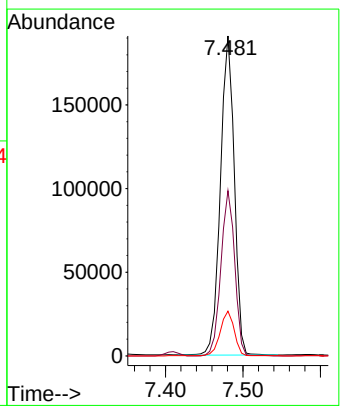


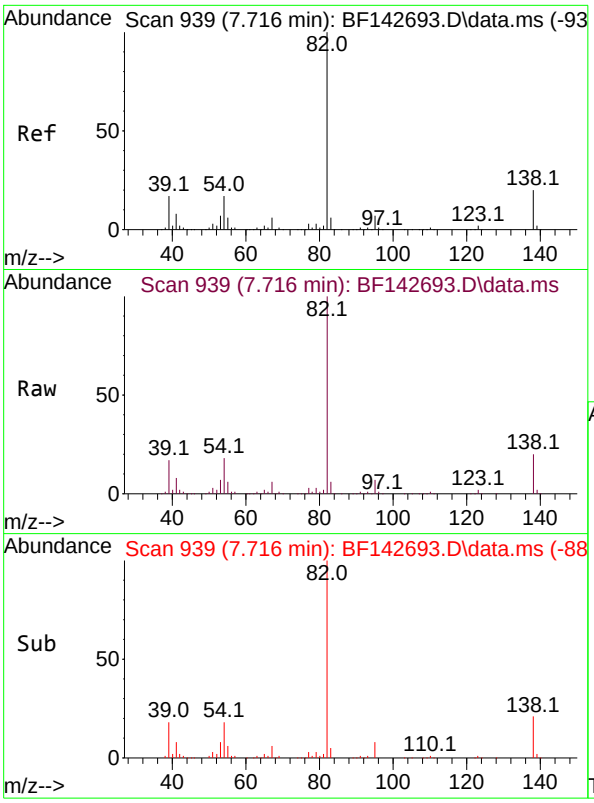


#24
Nitrobenzene
Concen: 39.120 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 77 Resp: 237848

Ion	Ratio	Lower	Upper
77	100		
123	51.6	41.3	61.9
65	14.0	11.2	16.8



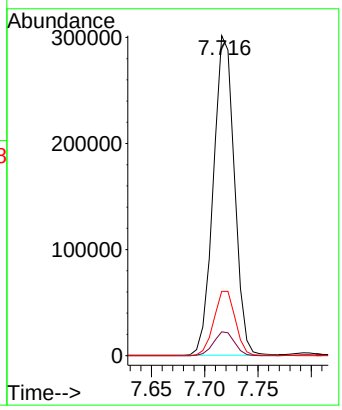


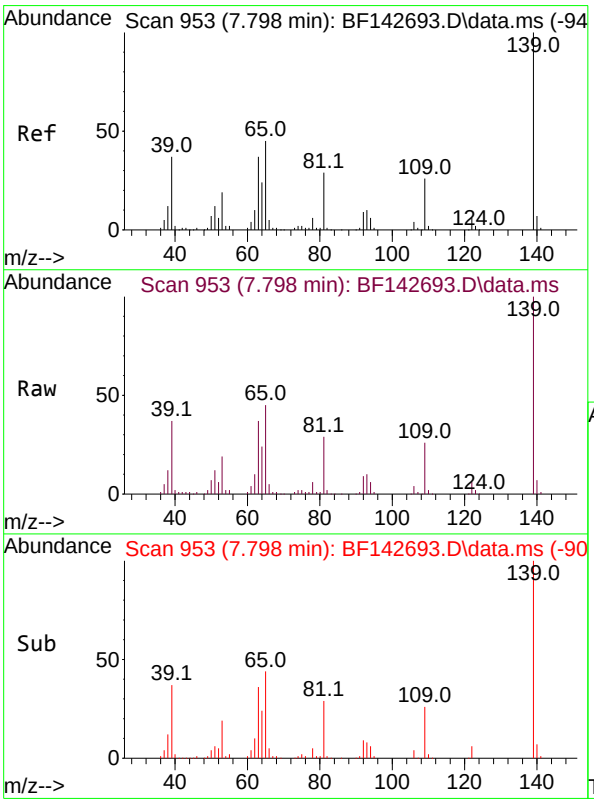
#25
Isophorone
Concen: 37.891 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 414446

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	20.1	16.1	24.1

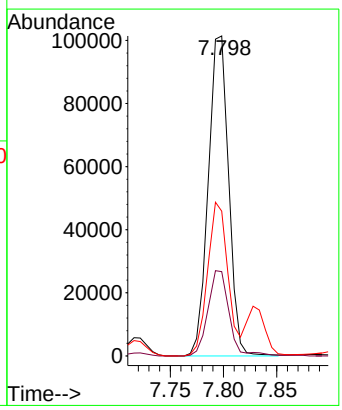


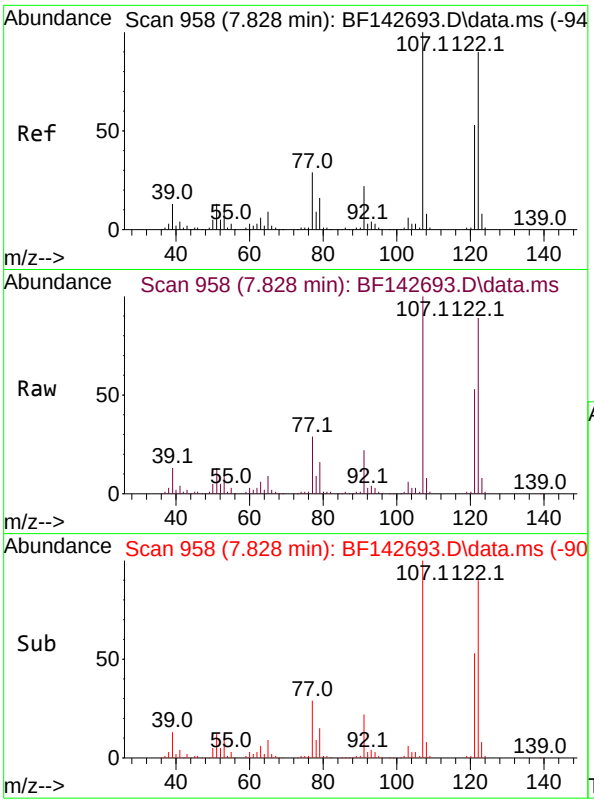


#26
2-Nitrophenol
Concen: 40.324 ng
RT: 7.798 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:139 Resp: 135237

Ion	Ratio	Lower	Upper
139	100		
109	26.3	21.0	31.6
65	45.2	36.2	54.2



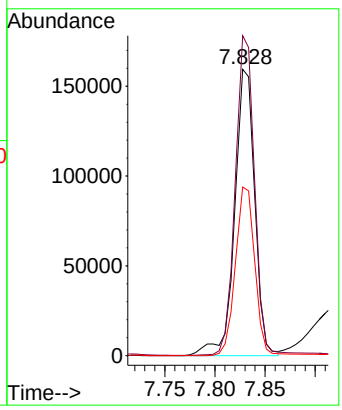


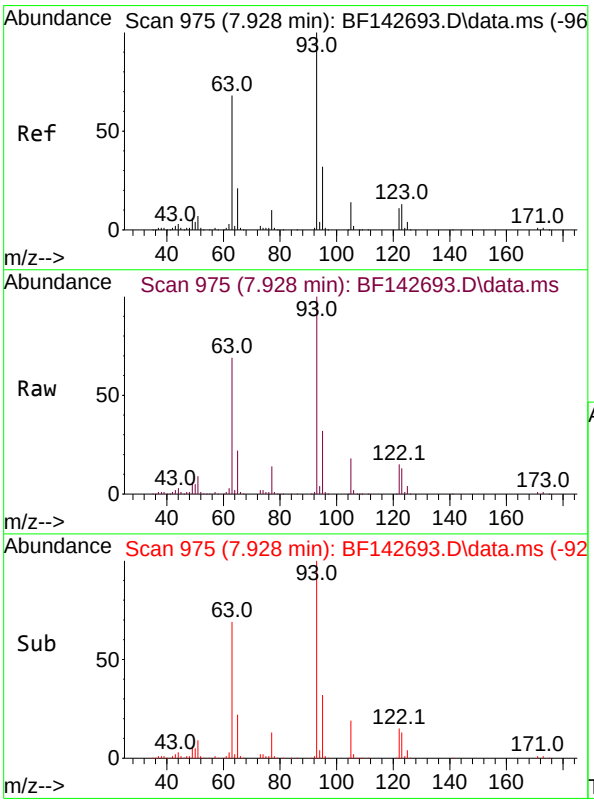
#27
2,4-Dimethylphenol
Concen: 38.891 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 221669

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.9	47.1	70.7

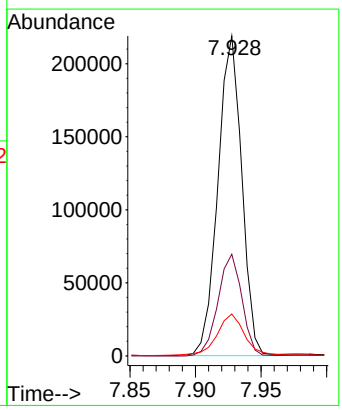


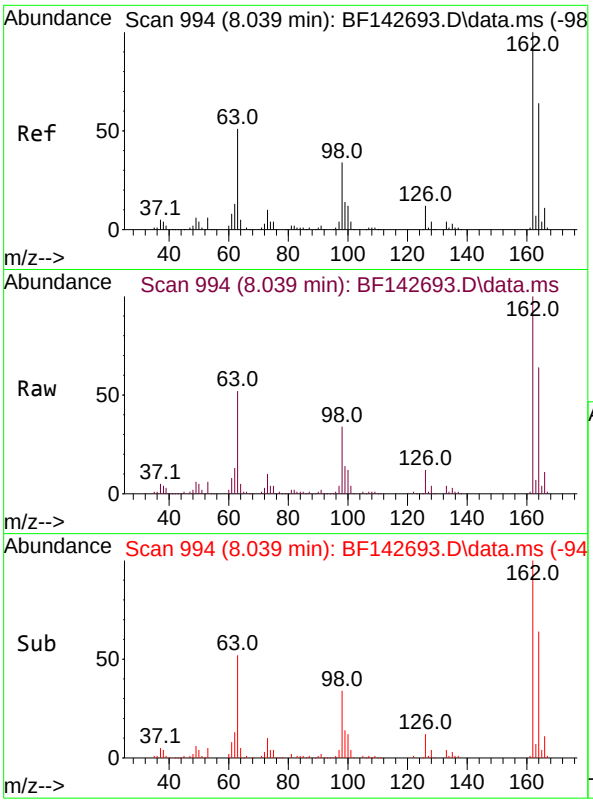


#28
bis(2-Chloroethoxy)methane
Concen: 40.386 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 93 Resp: 277054

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	13.1	10.5	15.7



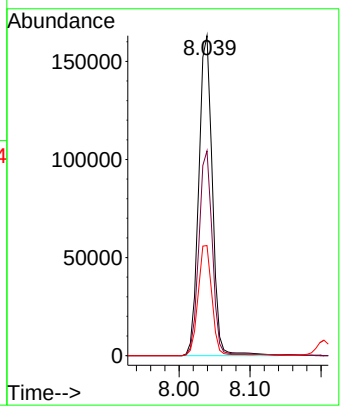


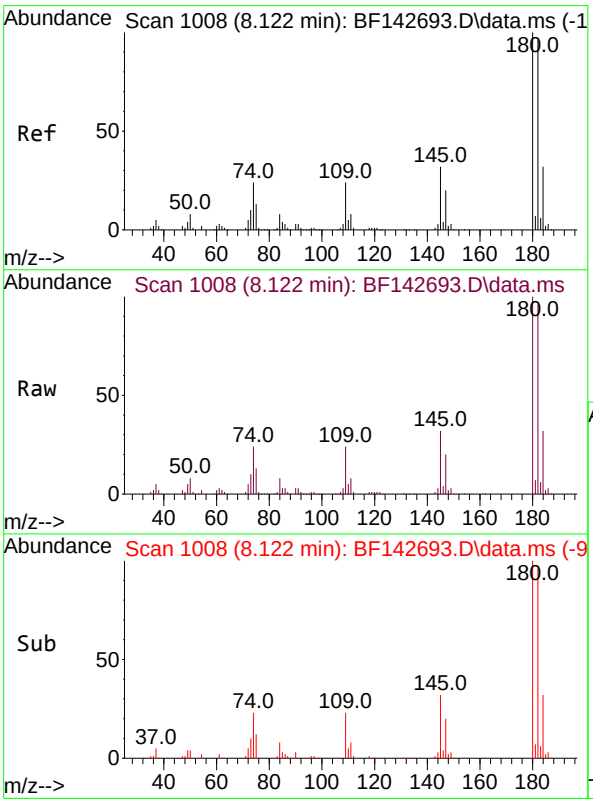
#29
2,4-Dichlorophenol
Concen: 41.331 ng
RT: 8.039 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 215816

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	34.4	14.4	54.4

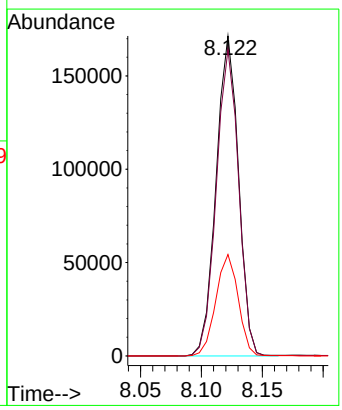


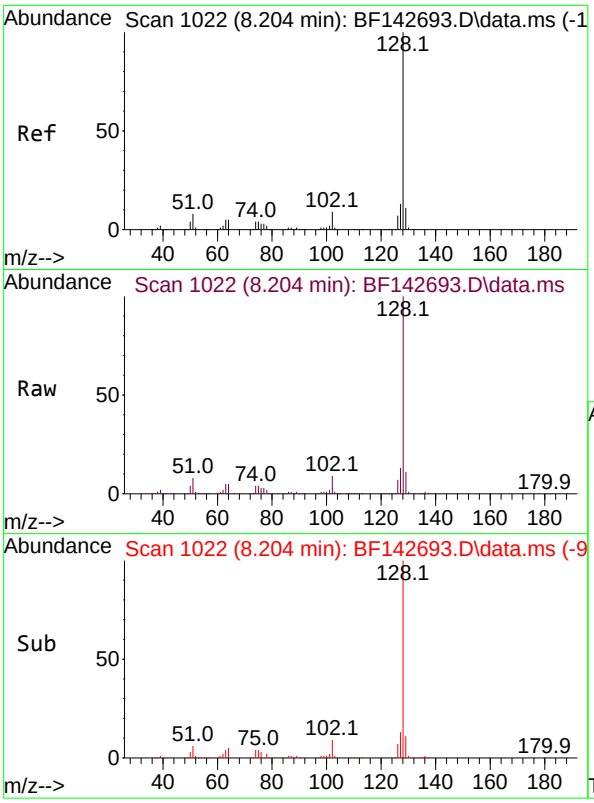


#30
1,2,4-Trichlorobenzene
Concen: 38.461 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:180 Resp: 219066

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	31.7	25.4	38.0



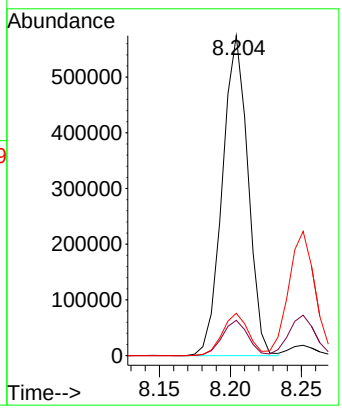


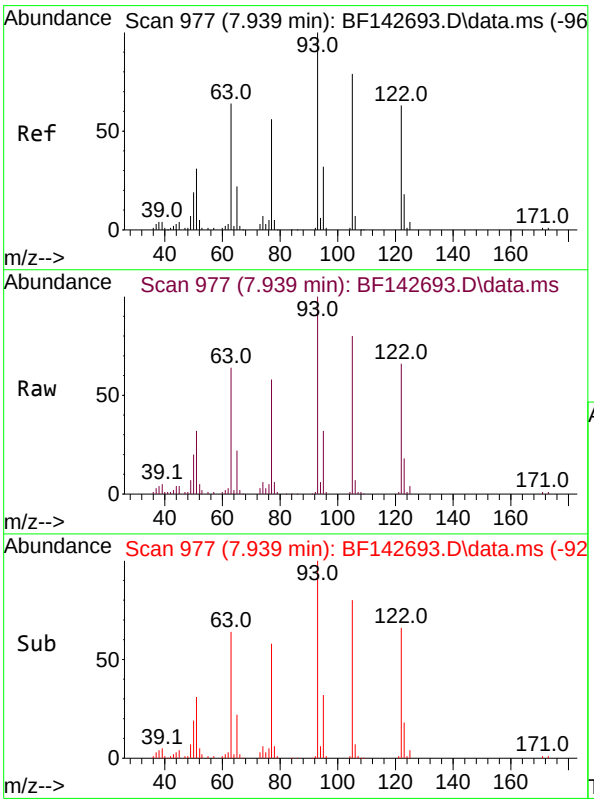
#31
Naphthalene
Concen: 39.421 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 719716

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

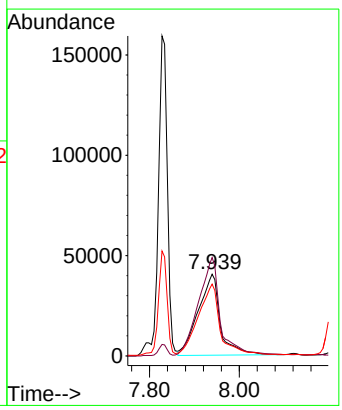


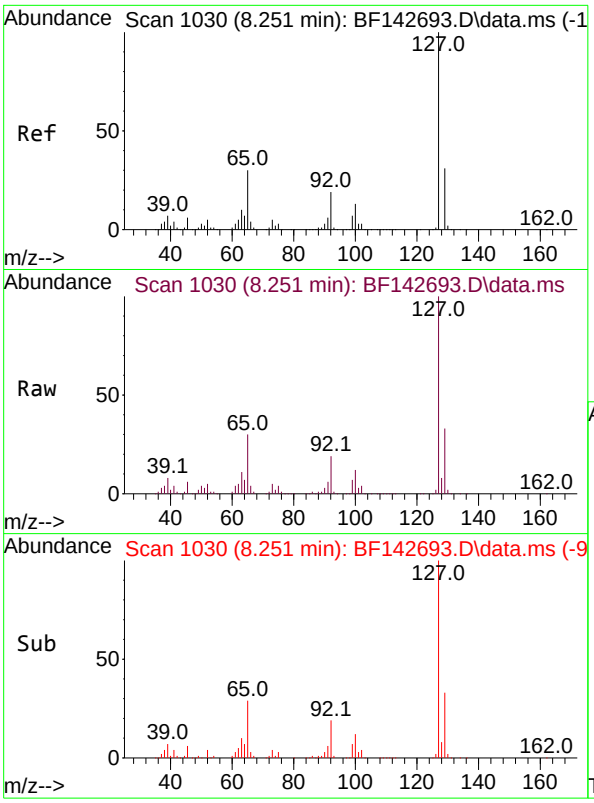


#32
Benzoic acid
Concen: 39.896 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:122 Resp: 138046

Ion	Ratio	Lower	Upper
122	100		
105	120.3	100.3	140.3
77	87.9	67.9	107.9



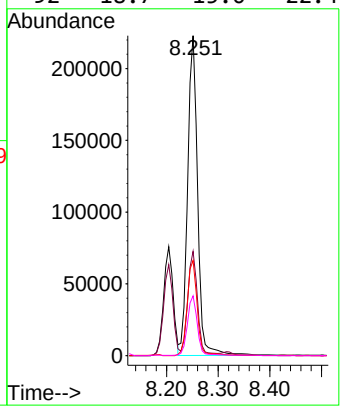


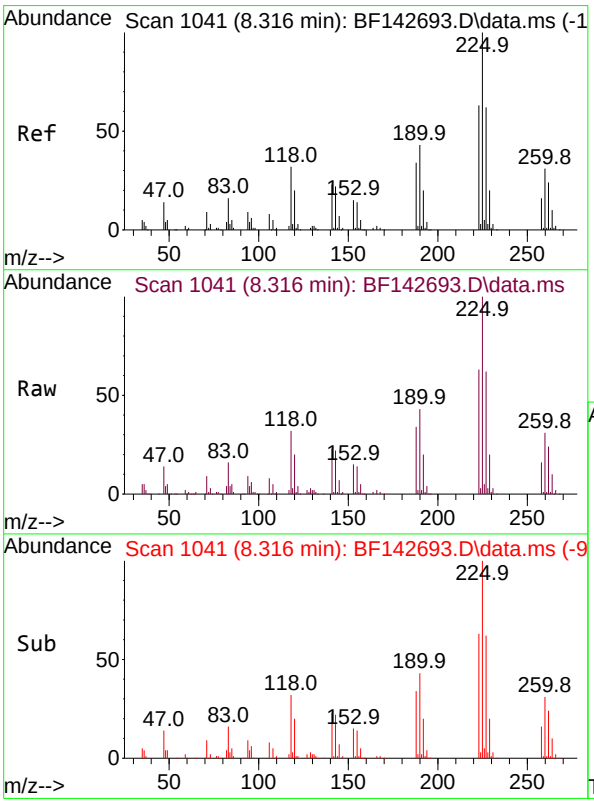
#33
4-Chloroaniline
Concen: 39.901 ng
RT: 8.251 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 299495

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	29.7	23.8	35.6
92	18.7	15.0	22.4

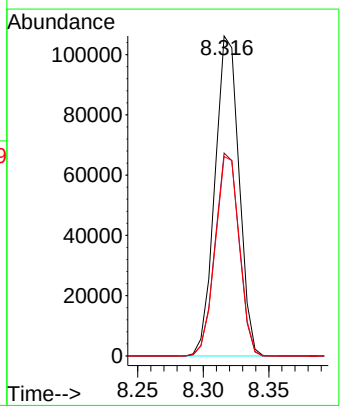


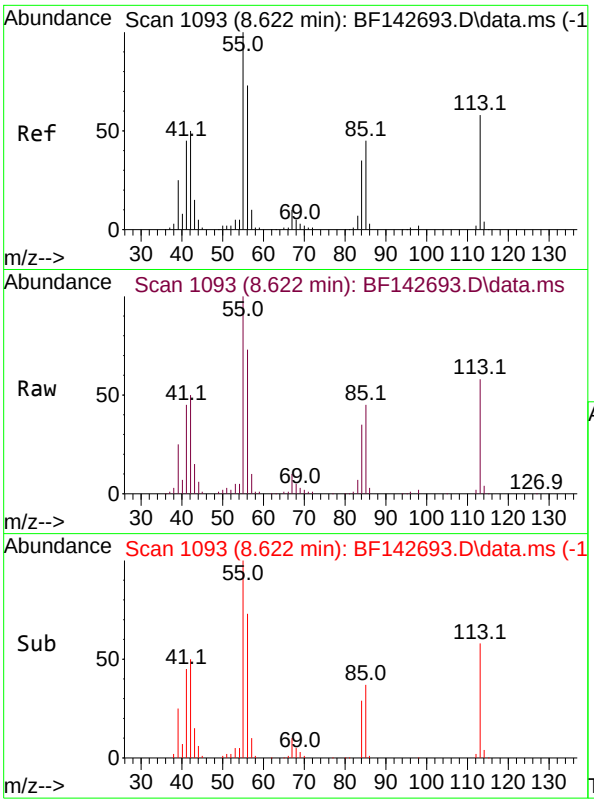


#34
Hexachlorobutadiene
Concen: 38.757 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:225 Resp: 135956

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	62.3	49.8	74.8



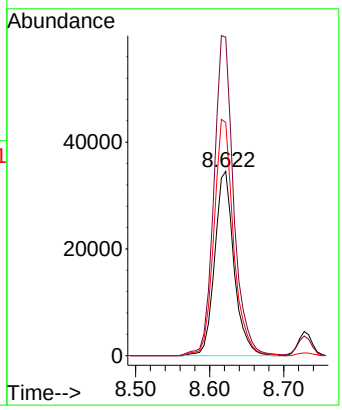


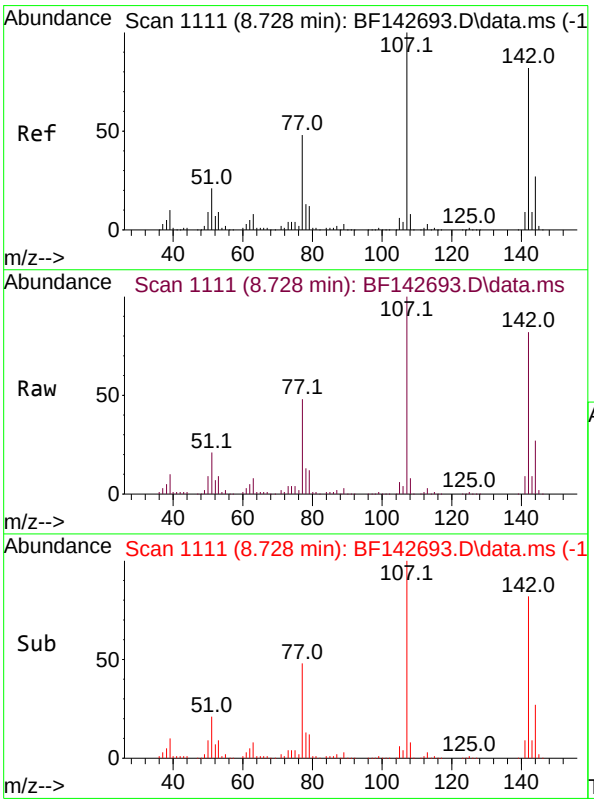
#35
Caprolactam
Concen: 38.928 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 62434

Ion	Ratio	Lower	Upper
113	100		
55	172.9	152.9	192.9
56	126.6	106.6	146.6

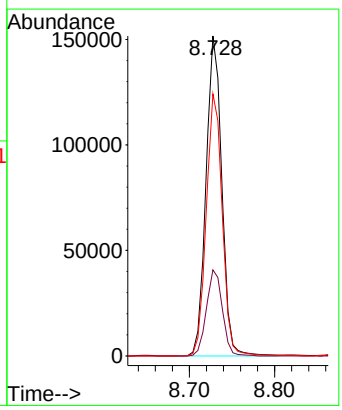


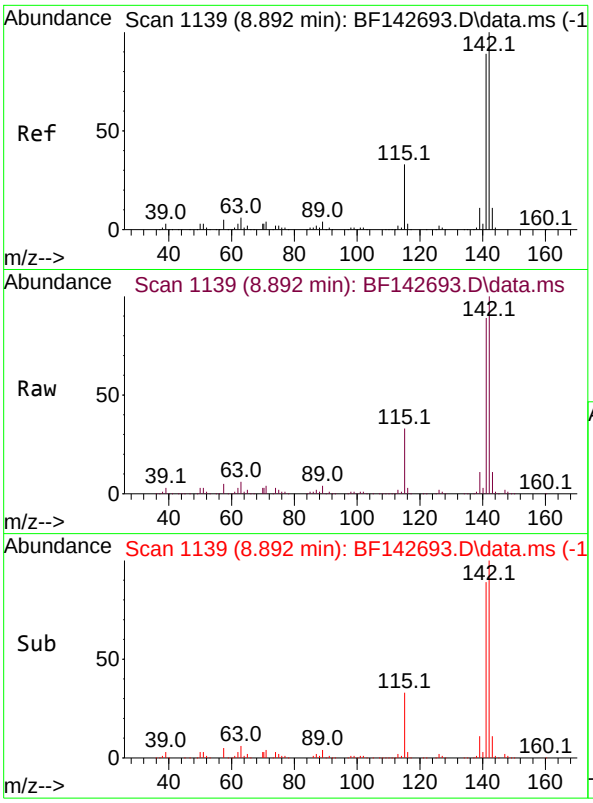


#36
4-Chloro-3-methylphenol
Concen: 36.280 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:107 Resp: 195407

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.5	32.3
142	81.9	65.5	98.3



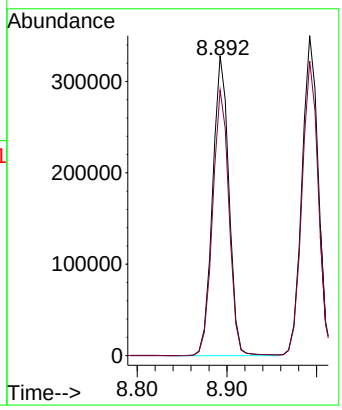


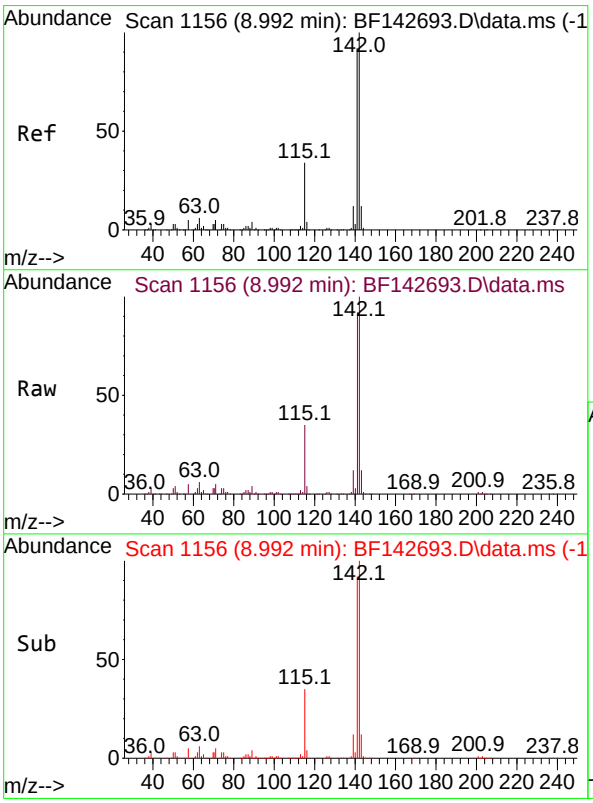
#37
2-Methylnaphthalene
Concen: 36.276 ng
RT: 8.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 416736

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

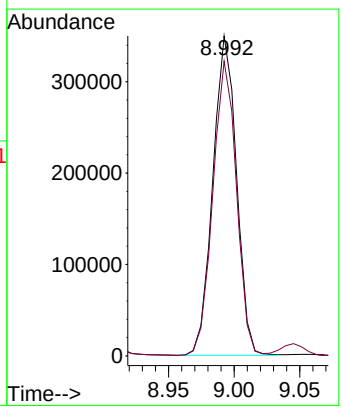


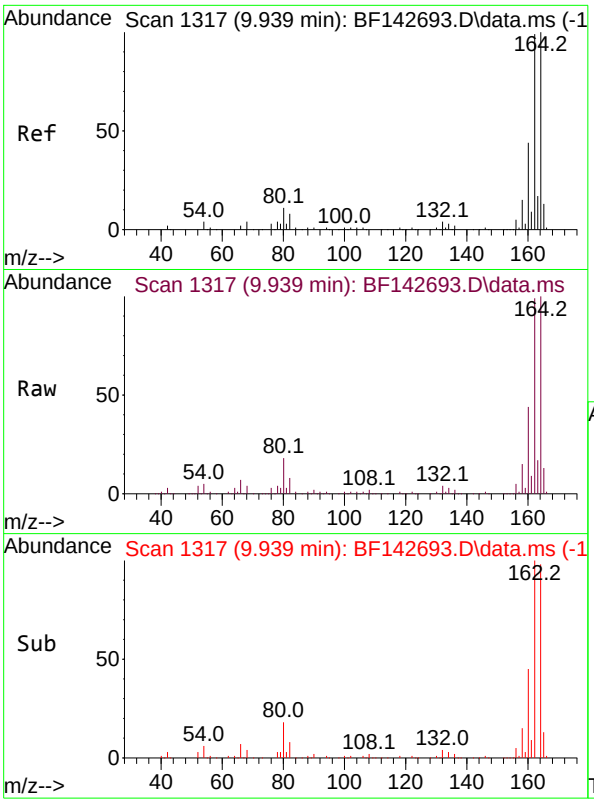


#38
1-Methylnaphthalene
Concen: 36.854 ng
RT: 8.992 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:142 Resp: 438427

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.7	110.5



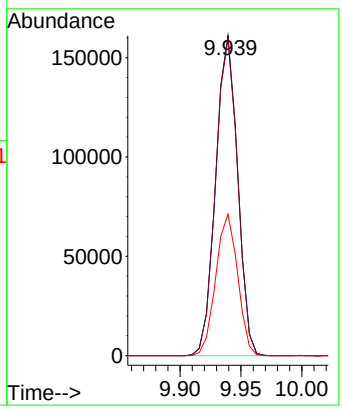


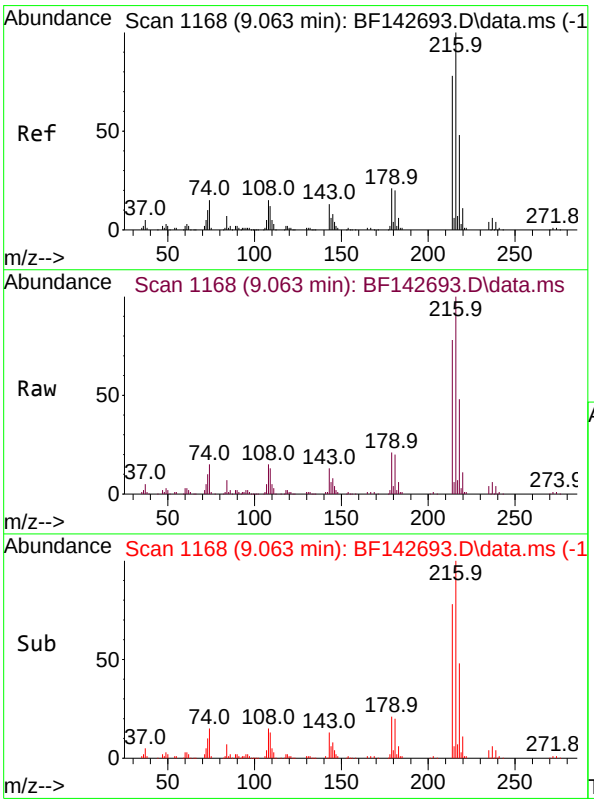
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 201183

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.1	118.7
160	44.2	35.4	53.0

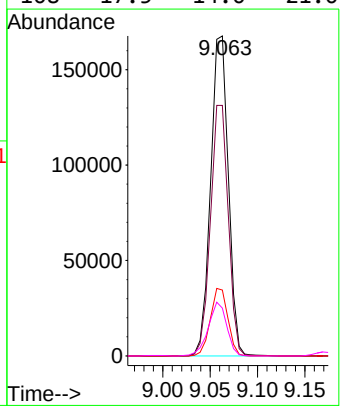


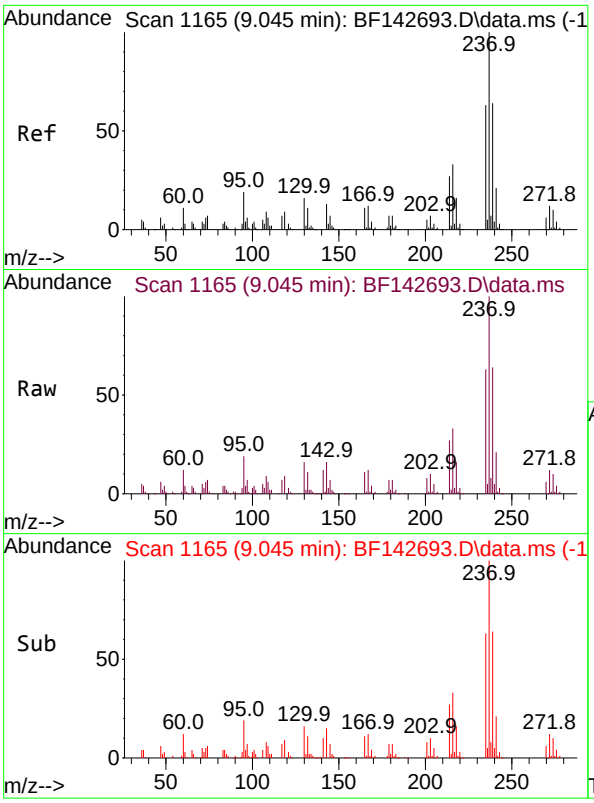


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.497 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:216 Resp: 218008

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	20.8	16.6	25.0
108	17.5	14.0	21.0



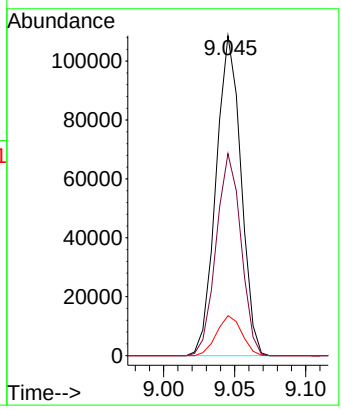


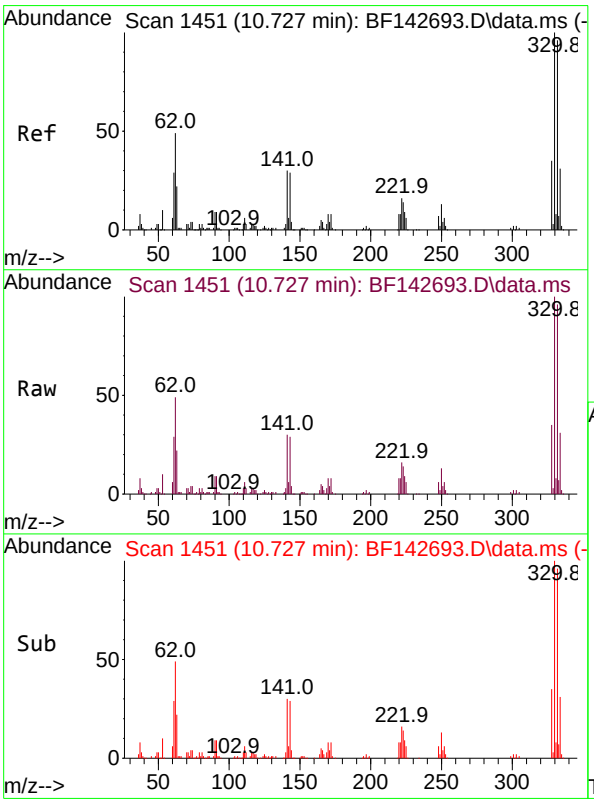
#41
Hexachlorocyclopentadiene
Concen: 38.886 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 132767

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.5	0.0	32.5

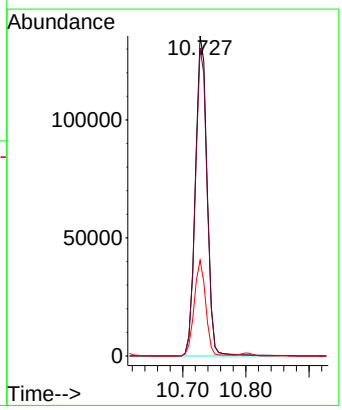


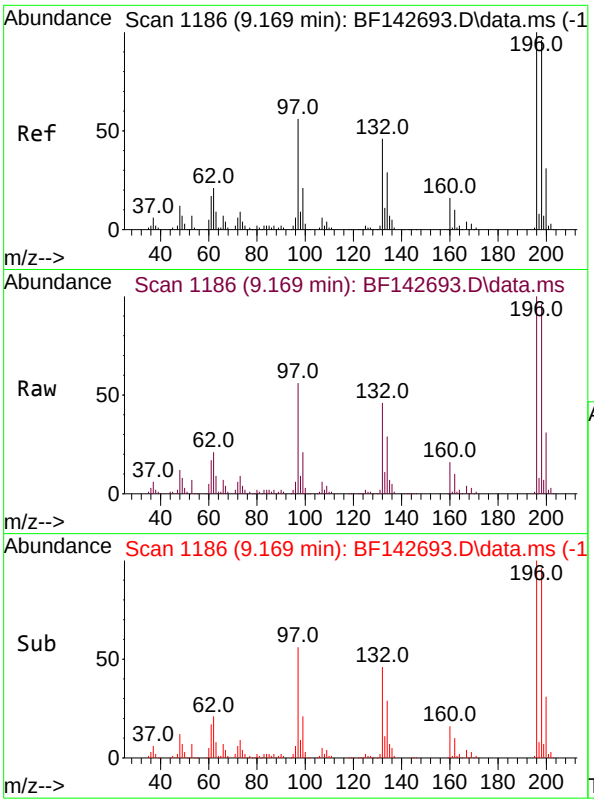


#42
2,4,6-Tribromophenol
Concen: 77.561 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:330 Resp: 175313

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	29.4	23.5	35.3



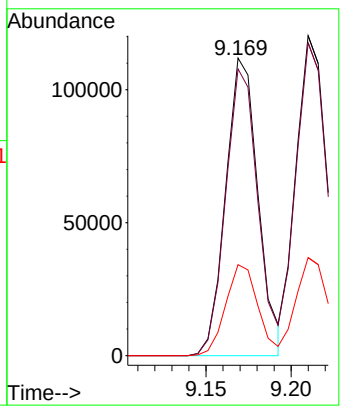


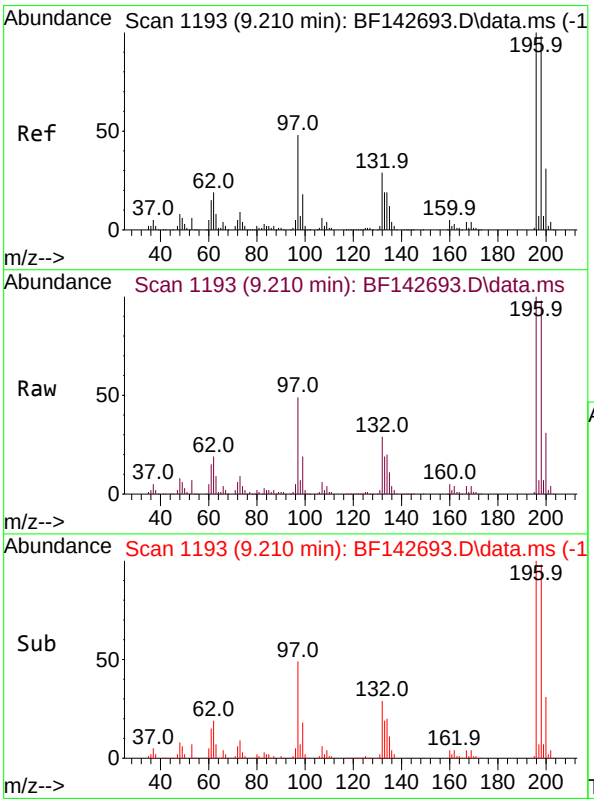
#43
2,4,6-Trichlorophenol
Concen: 38.794 ng
RT: 9.169 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 147996

Ion	Ratio	Lower	Upper
196	100		
198	96.4	77.1	115.7
200	30.6	24.5	36.7

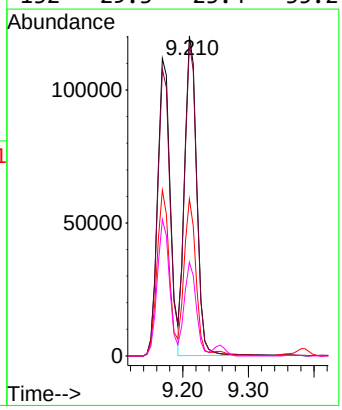


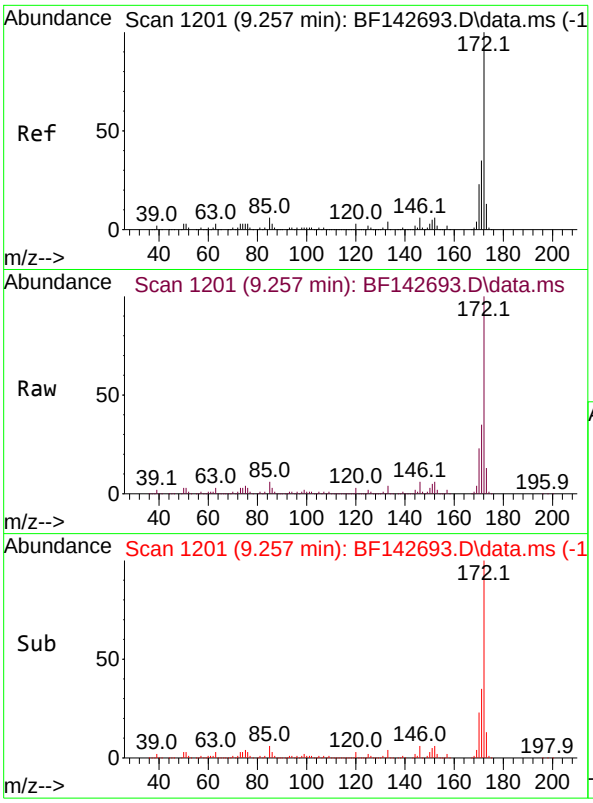


#44
2,4,5-Trichlorophenol
Concen: 38.207 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:196 Resp: 155681

Ion	Ratio	Lower	Upper
196	100		
198	97.7	78.2	117.2
97	49.0	39.2	58.8
132	29.3	23.4	35.2



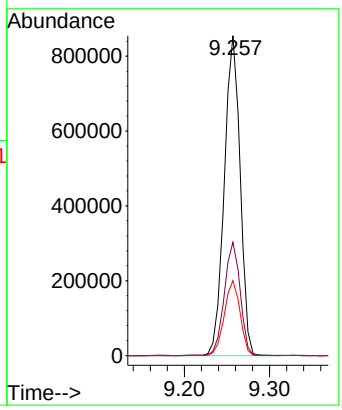


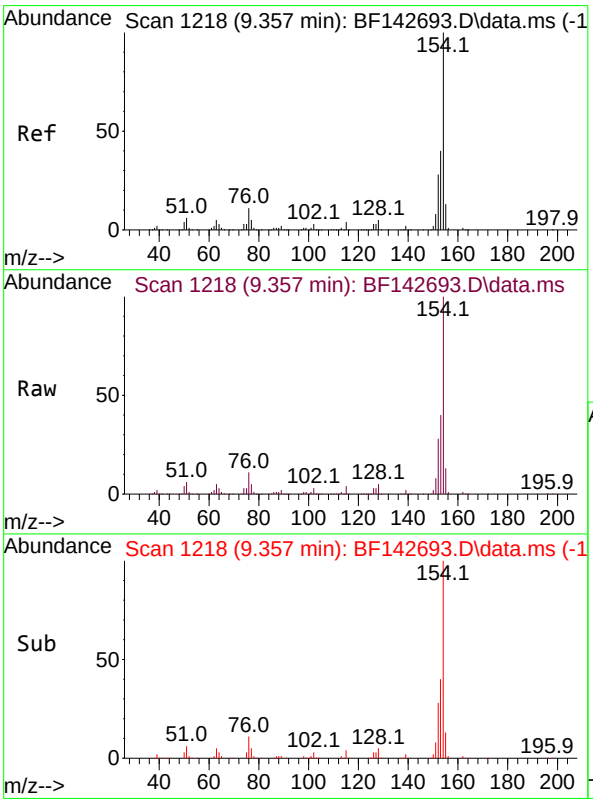
#45
2-Fluorobiphenyl
Concen: 75.043 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1103959

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.4	18.7	28.1

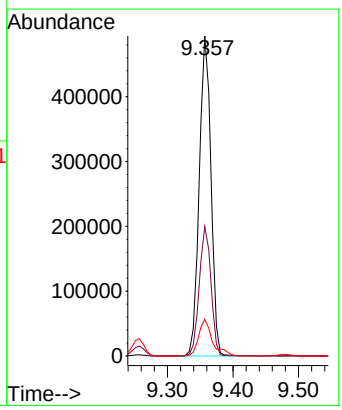


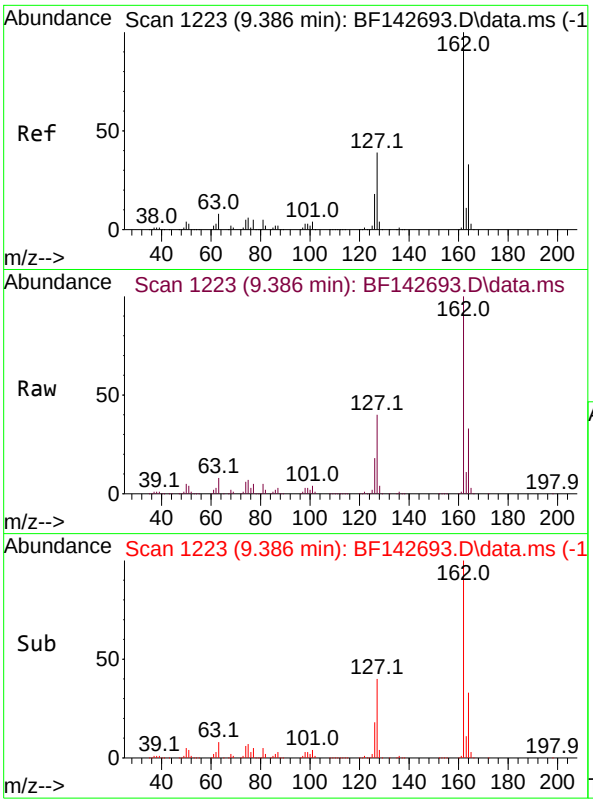


#46
1,1'-Biphenyl
Concen: 38.823 ng
RT: 9.357 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:154 Resp: 607339

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	11.4	0.0	31.4



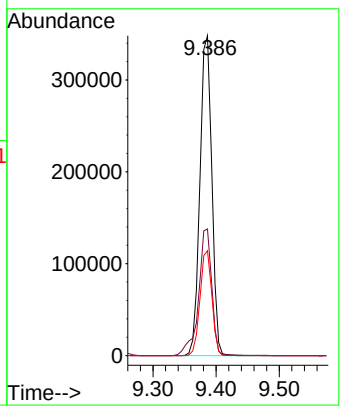


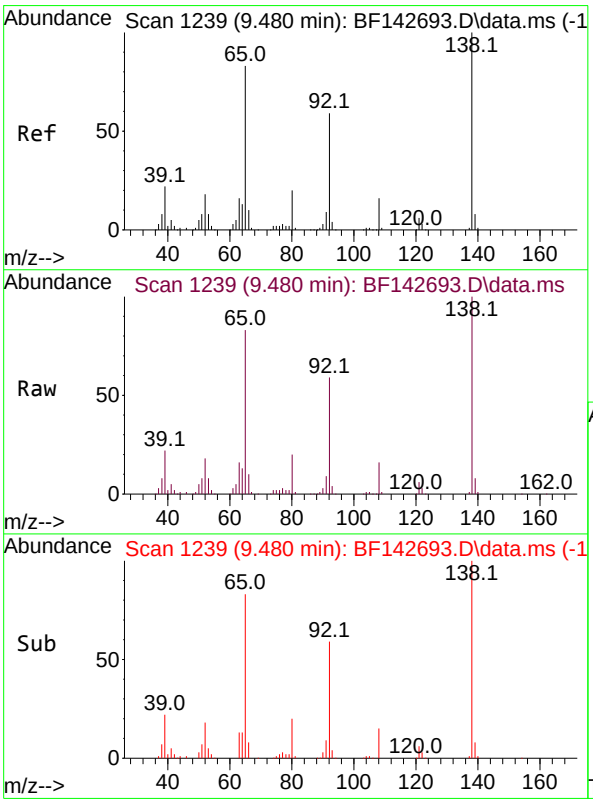
#47
2-Chloronaphthalene
Concen: 38.855 ng
RT: 9.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 455439

Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.7	47.5
164	32.8	26.2	39.4

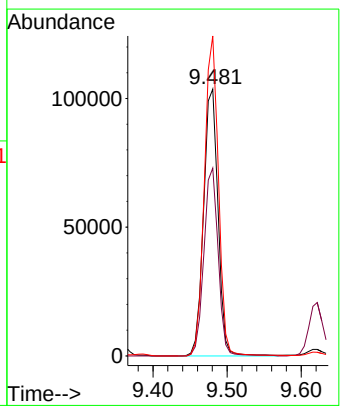


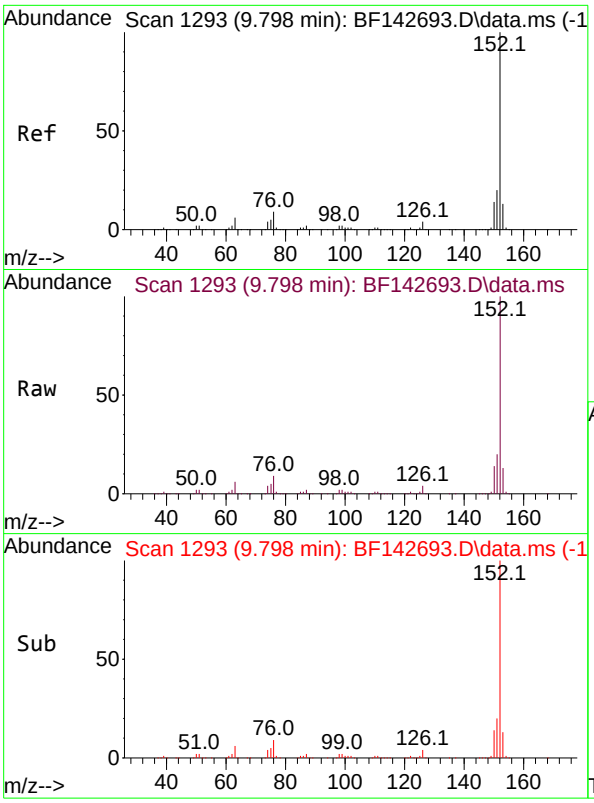


#48
2-Nitroaniline
Concen: 40.275 ng
RT: 9.480 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion: 65 Resp: 140480

Ion	Ratio	Lower	Upper
65	100		
92	70.4	56.3	84.5
138	119.9	95.9	143.9



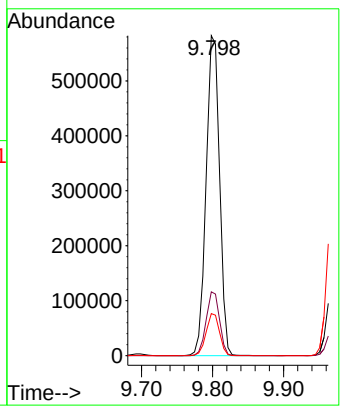


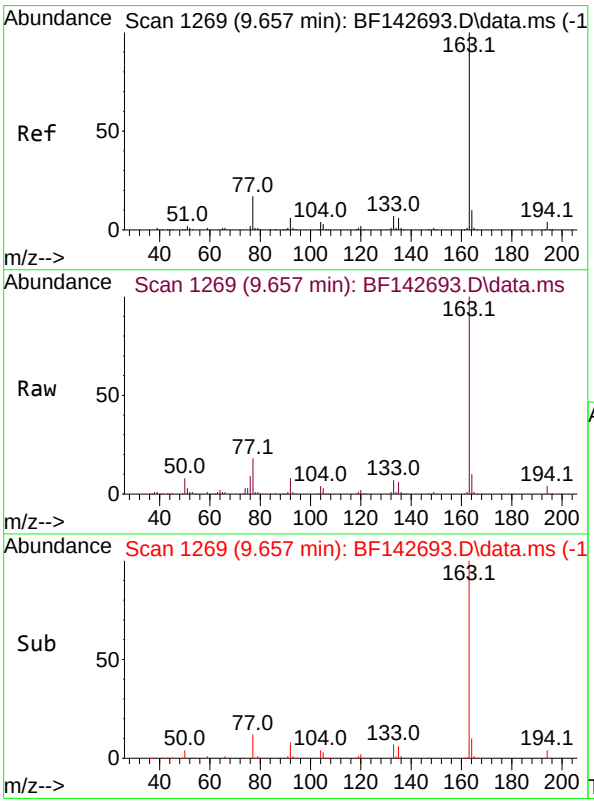
#49
Acenaphthylene
Concen: 39.221 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 761938

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

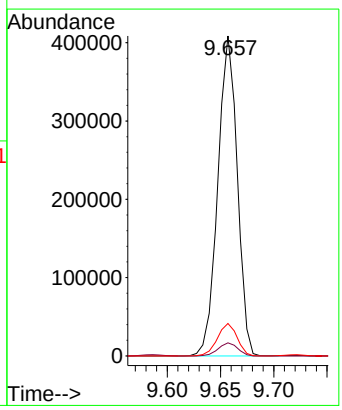


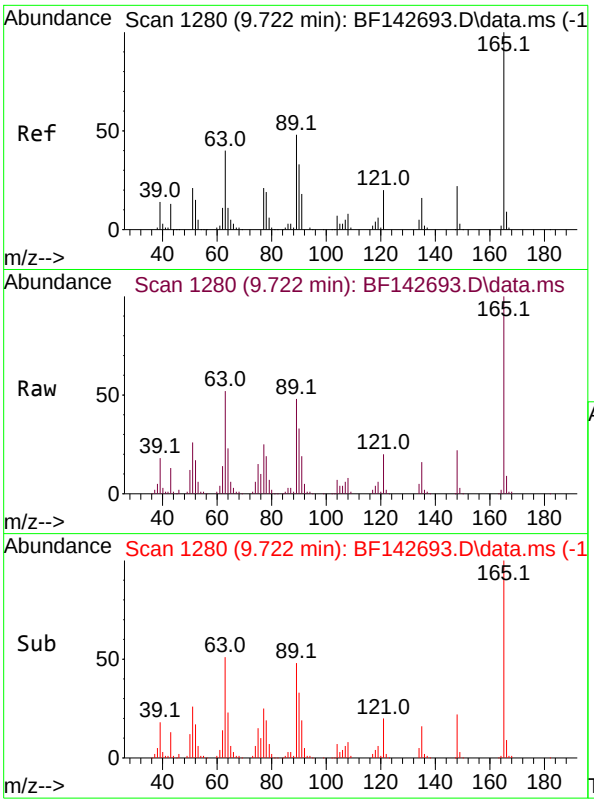


#50
Dimethylphthalate
Concen: 38.434 ng
RT: 9.657 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:163 Resp: 520240

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.1	12.1



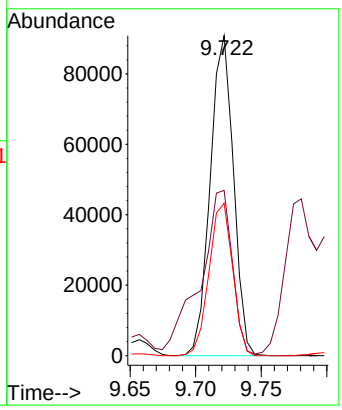


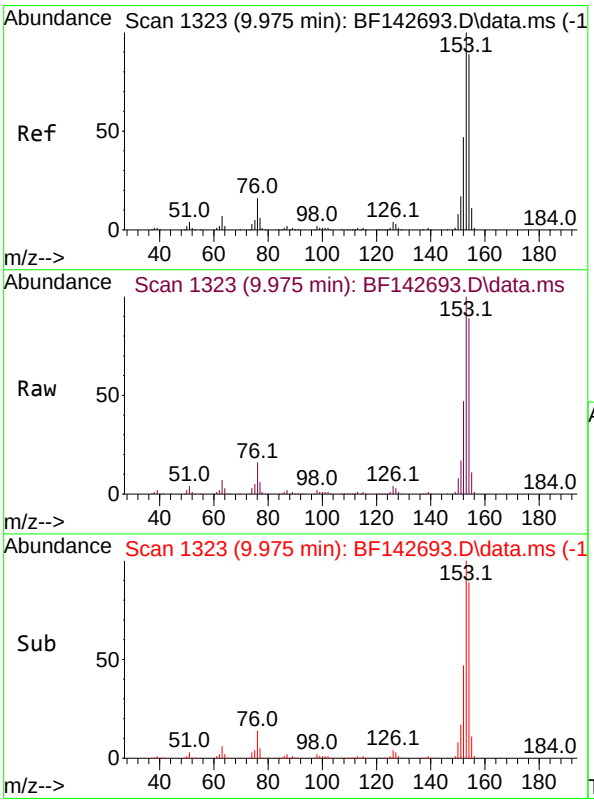
#51
2,6-Dinitrotoluene
Concen: 38.224 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 111922

Ion	Ratio	Lower	Upper
165	100		
63	51.6	41.3	61.9
89	47.6	38.1	57.1

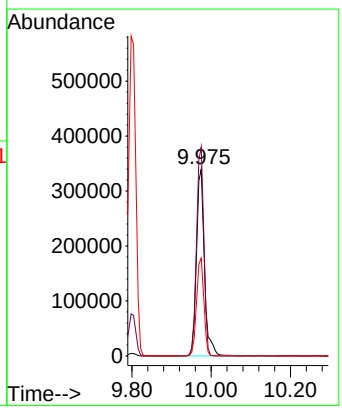


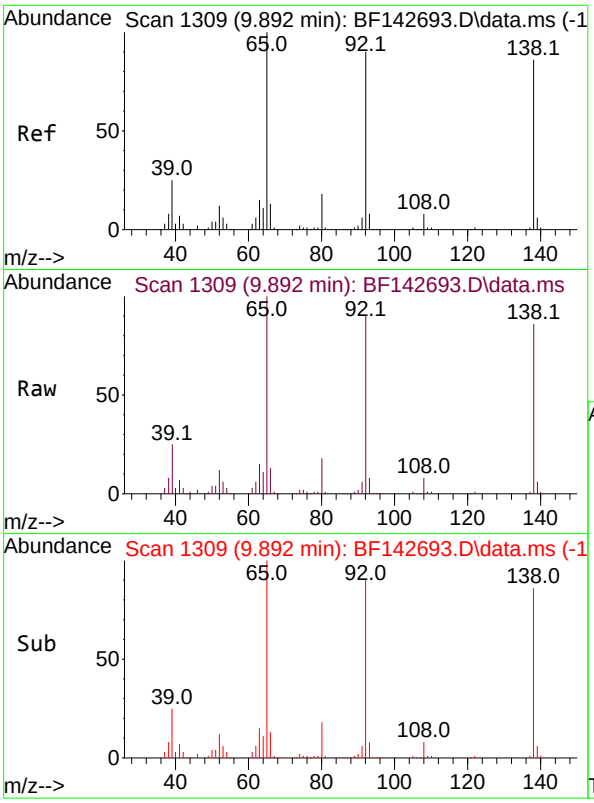


#52
Acenaphthene
Concen: 39.666 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:154 Resp: 471394

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	52.3	41.8	62.8



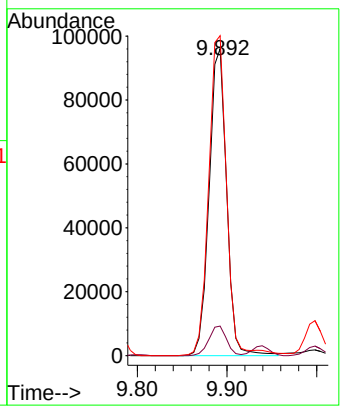


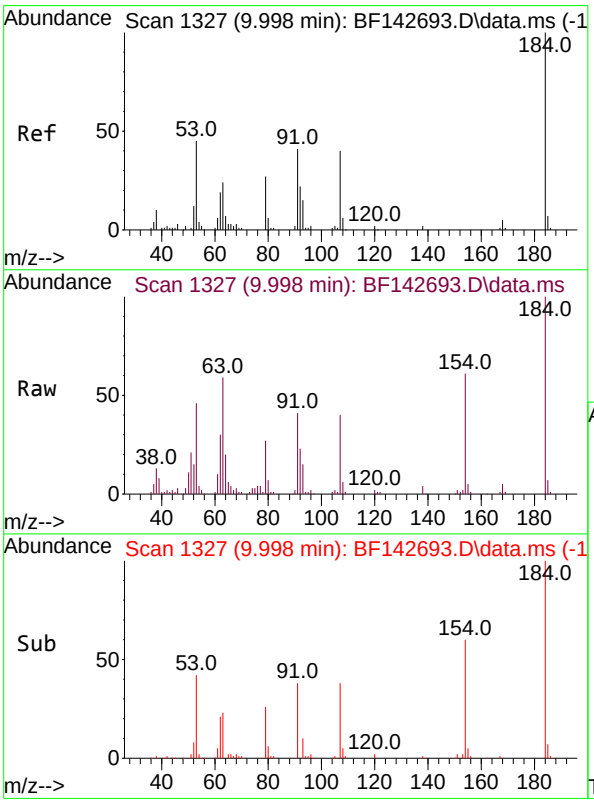
#53
3-Nitroaniline
Concen: 39.467 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 129850

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.7	11.5
92	104.2	83.4	125.0

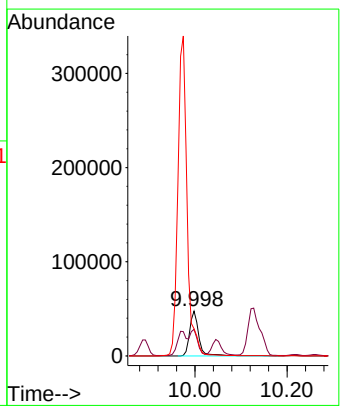


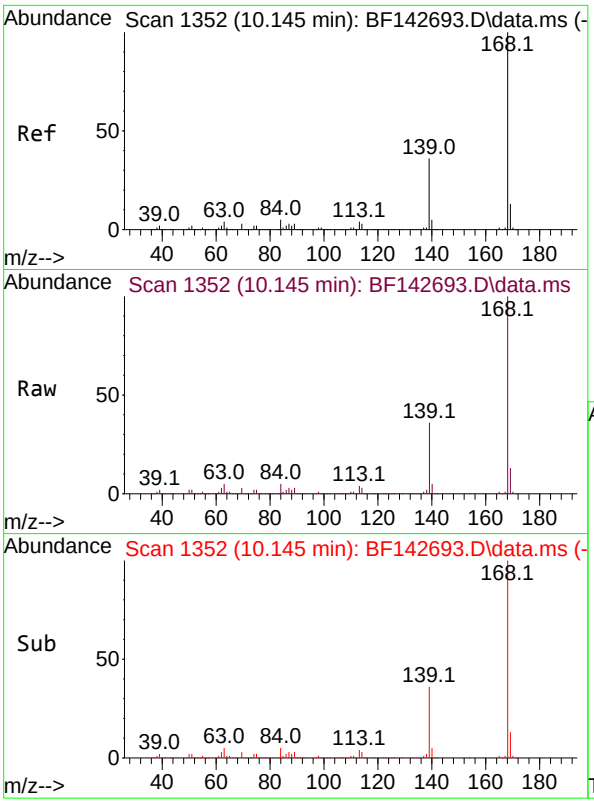


#54
2,4-Dinitrophenol
Concen: 40.323 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:184 Resp: 65370

Ion	Ratio	Lower	Upper
184	100		
63	59.2	47.4	71.0
154	60.8	48.6	73.0



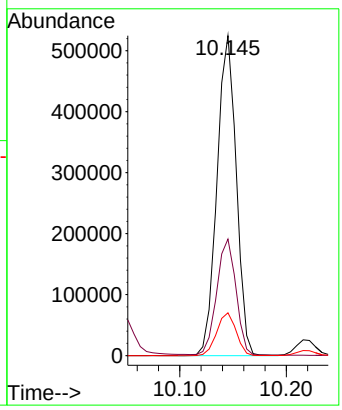


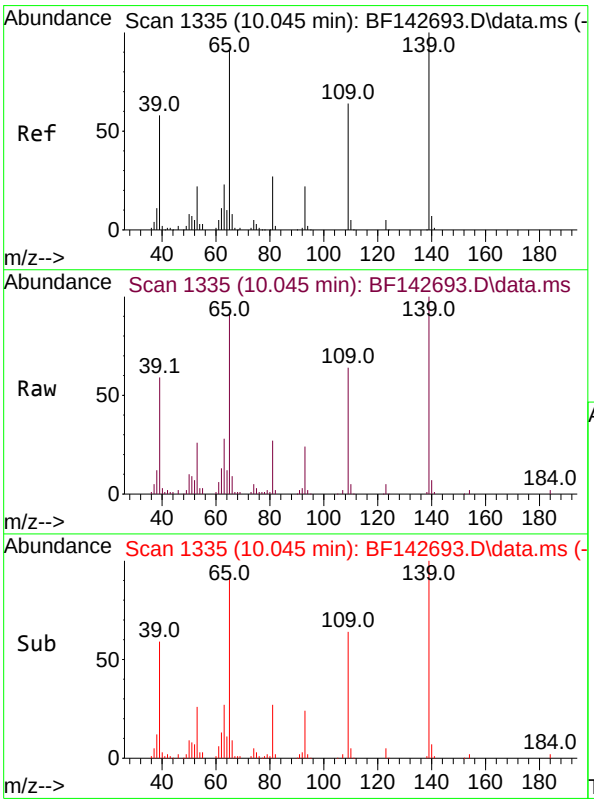
#55
Dibenzofuran
Concen: 38.782 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 661193

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.2	43.8
169	13.4	10.7	16.1

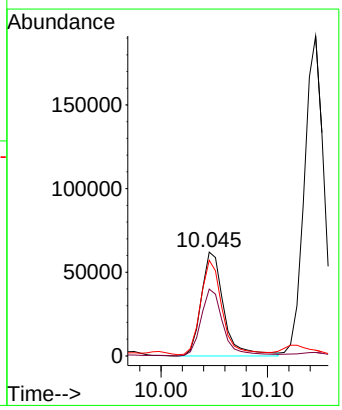


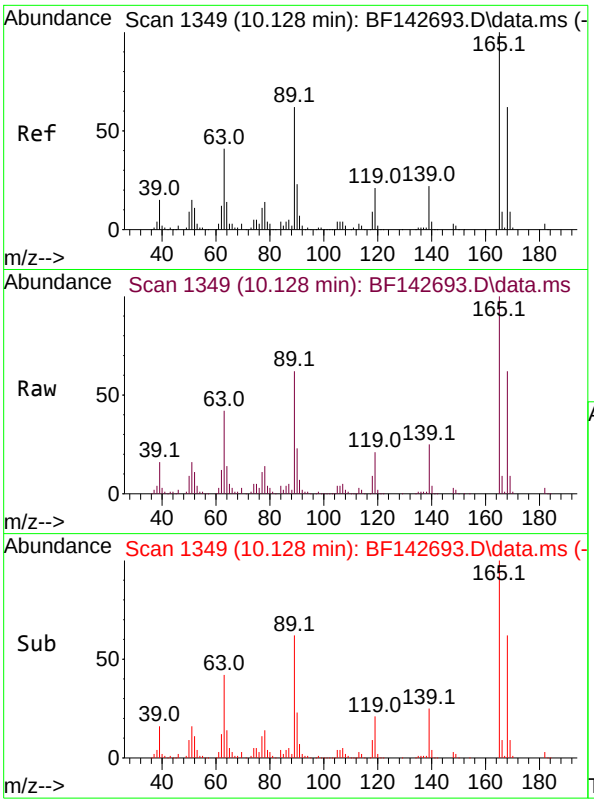


#56
4-Nitrophenol
Concen: 40.161 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:139 Resp: 90823

Ion	Ratio	Lower	Upper
139	100		
109	64.4	44.4	84.4
65	92.1	72.1	112.1



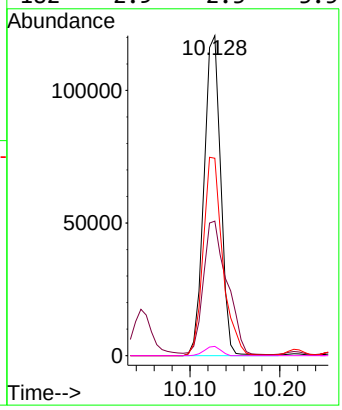


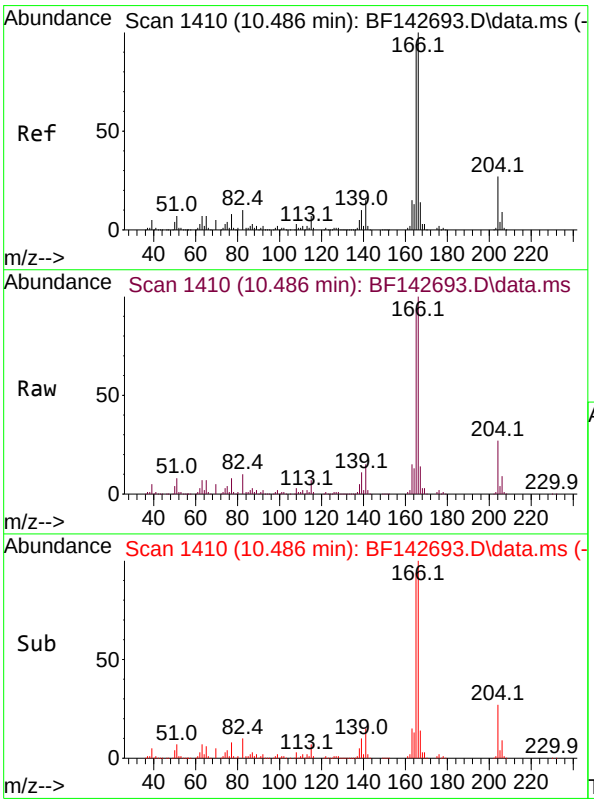
#57
2,4-Dinitrotoluene
Concen: 39.759 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 156051

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.6	50.4
89	61.7	49.4	74.0
182	2.9	2.3	3.5

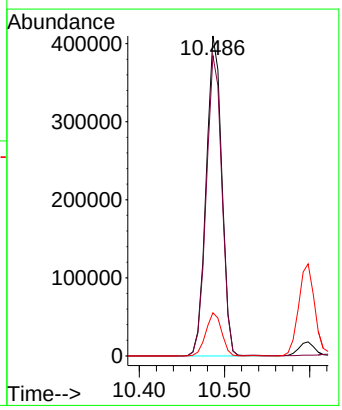


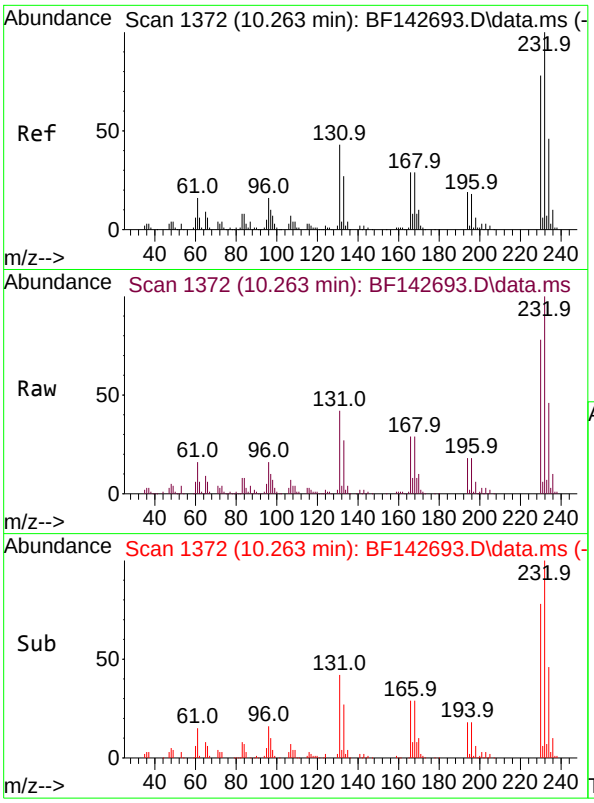


#58
Fluorene
Concen: 38.191 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:166 Resp: 520439

Ion	Ratio	Lower	Upper
166	100		
165	93.8	75.0	112.6
167	13.5	10.8	16.2



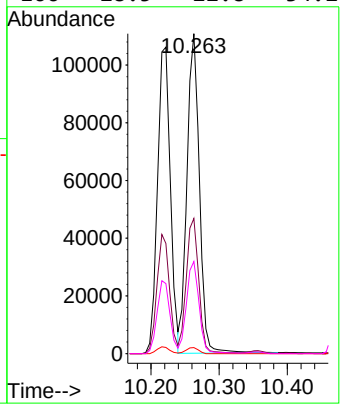


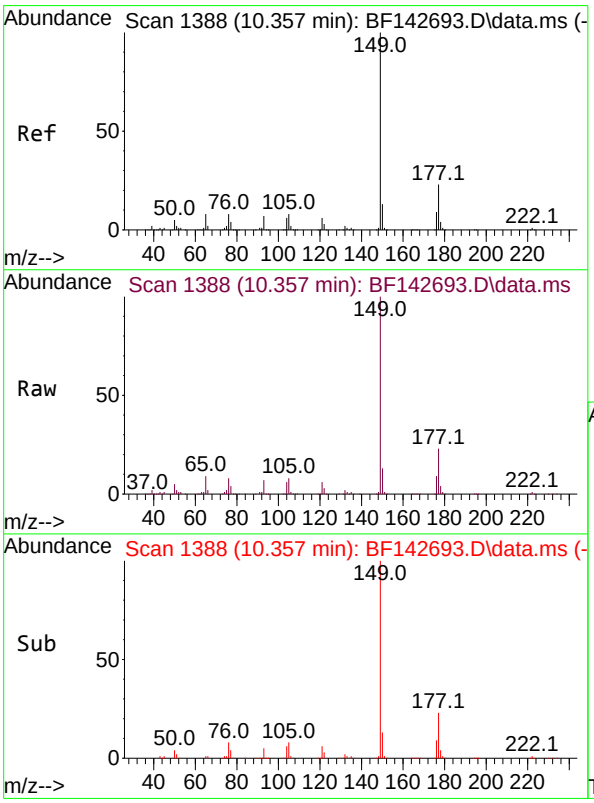
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.043 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 140730

Ion	Ratio	Lower	Upper
232	100		
131	41.9	33.5	50.3
130	1.9	1.5	2.3
166	28.5	22.8	34.2

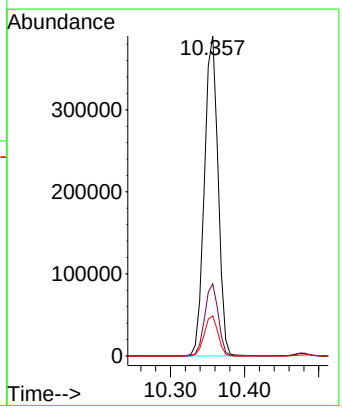


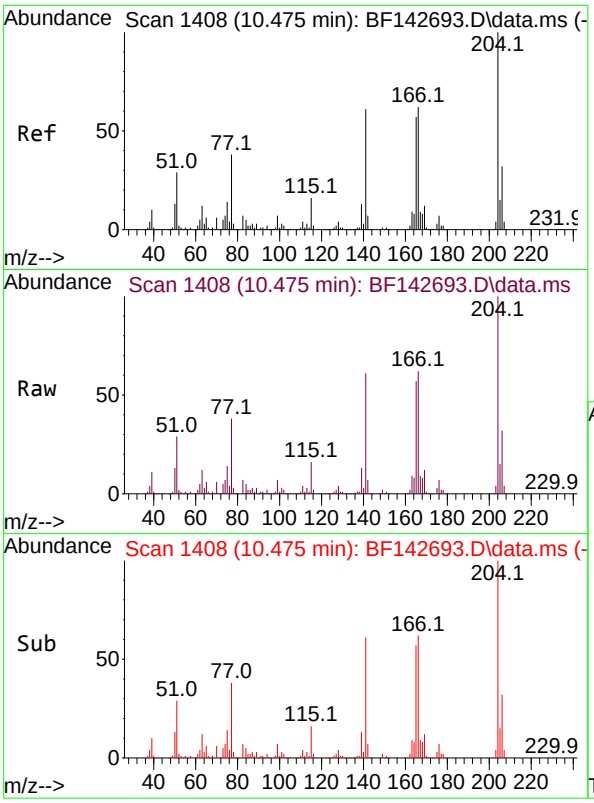


#60
Diethylphthalate
Concen: 37.925 ng
RT: 10.357 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:149 Resp: 498360

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.5	10.0	15.0



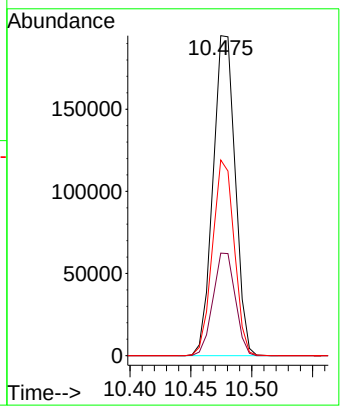


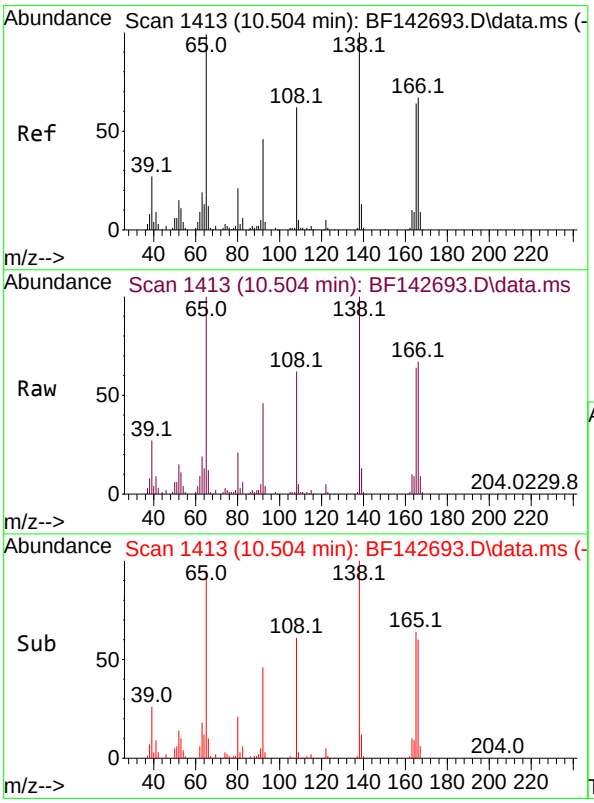
#61
4-Chlorophenyl-phenylether
Concen: 38.435 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 247631

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	61.1	48.9	73.3

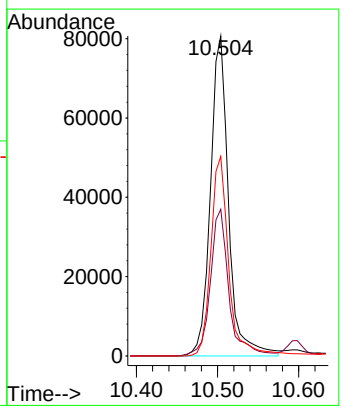


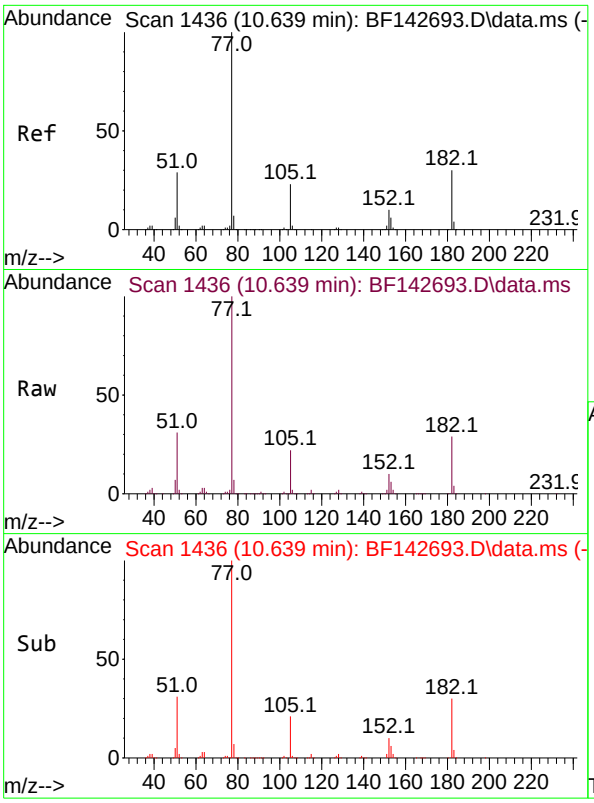


#62
4-Nitroaniline
Concen: 40.049 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:138 Resp: 124994

Ion	Ratio	Lower	Upper
138	100		
92	45.8	25.8	65.8
108	62.3	42.3	82.3



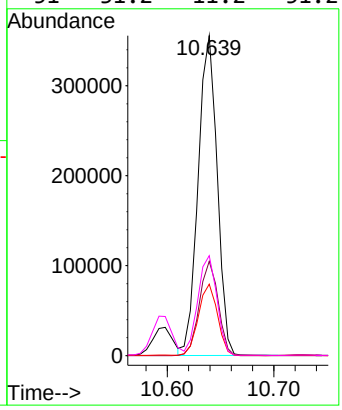


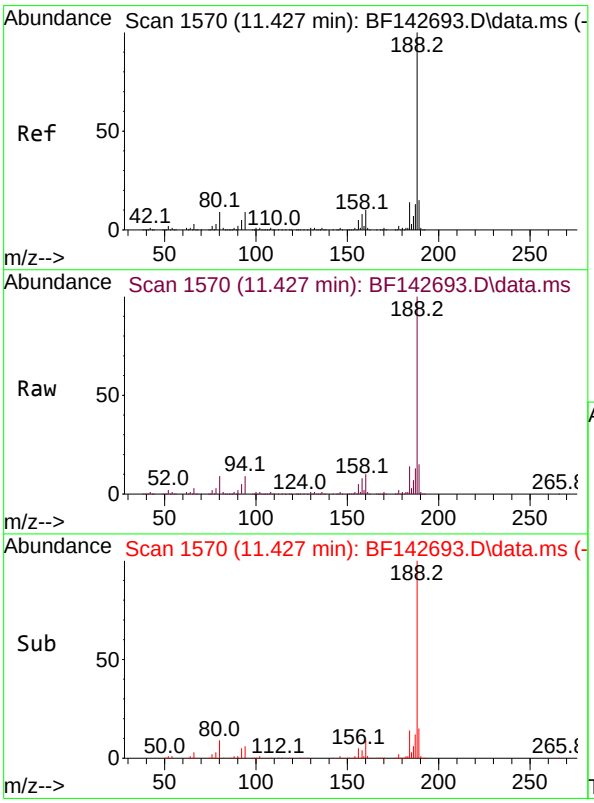
#63
Azobenzene
Concen: 37.404 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 440296

Ion	Ratio	Lower	Upper
77	100		
182	29.5	9.5	49.5
105	22.3	2.3	42.3
51	31.2	11.2	51.2

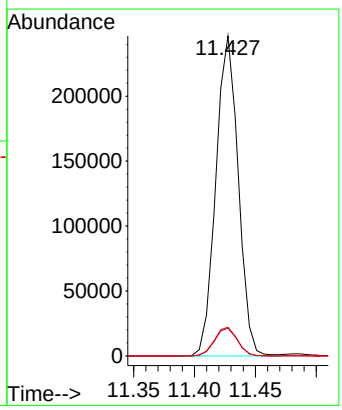


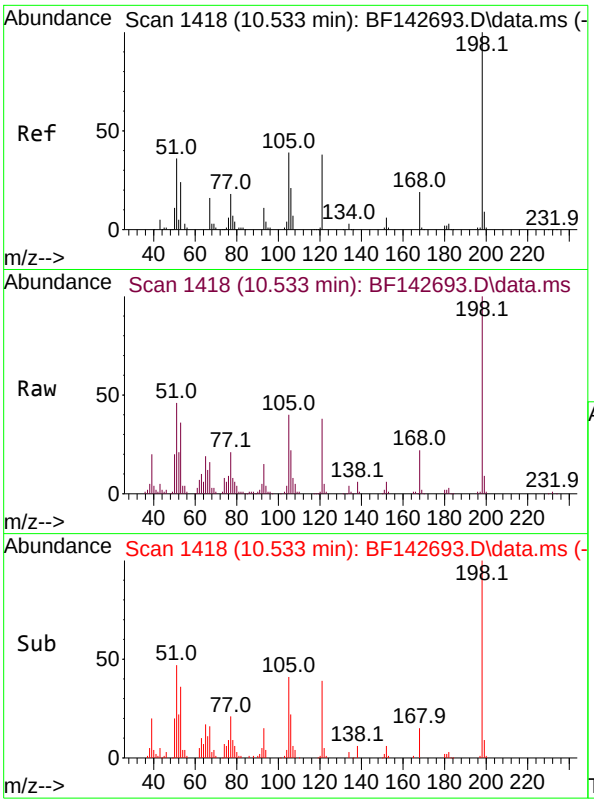


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:188 Resp: 315667

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.0	10.4
80	9.0	7.2	10.8



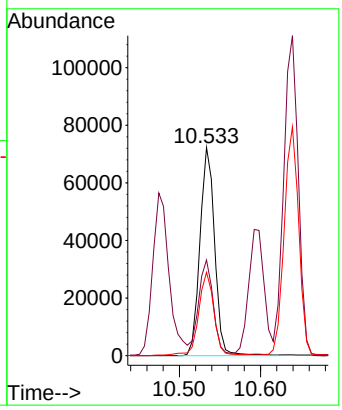


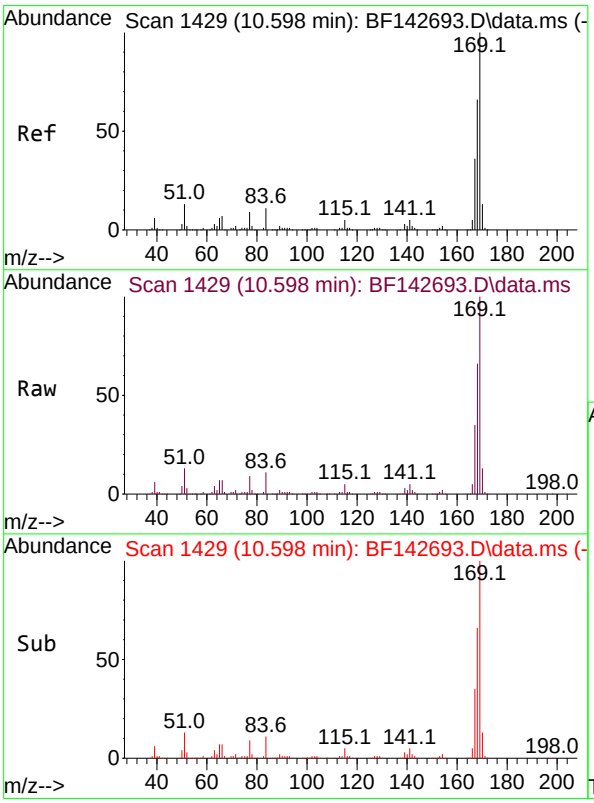
#65
4,6-Dinitro-2-methylphenol
Concen: 45.172 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 90946

Ion	Ratio	Lower	Upper
198	100		
51	45.9	25.9	65.9
105	40.0	20.0	60.0

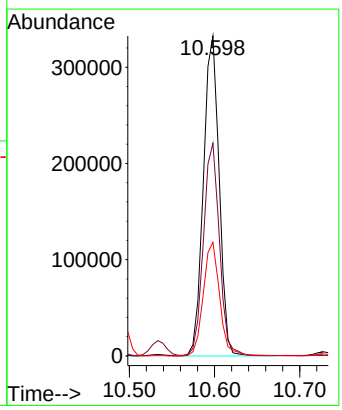


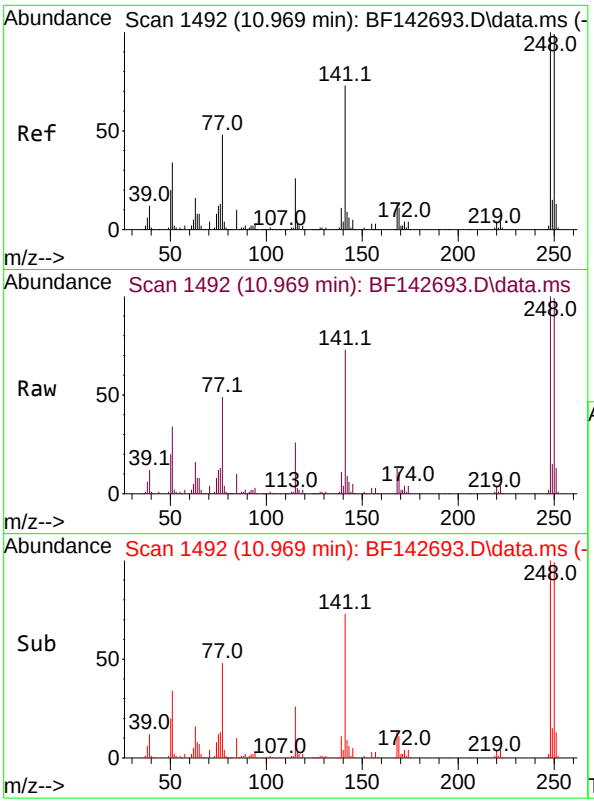


#66
n-Nitrosodiphenylamine
Concen: 41.893 ng
RT: 10.598 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:169 Resp: 426969

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.1	79.7
167	35.5	28.4	42.6



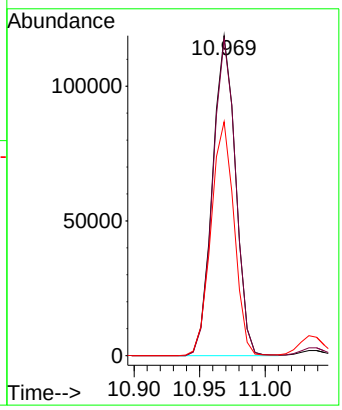


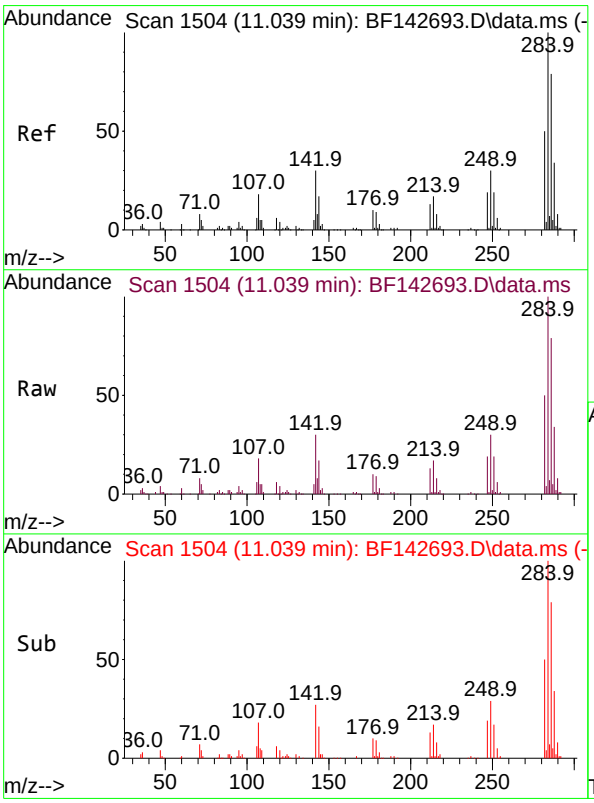
#67
4-Bromophenyl-phenylether
Concen: 41.558 ng
RT: 10.969 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 144998

Ion	Ratio	Lower	Upper
248	100		
250	98.9	79.1	118.7
141	73.1	58.5	87.7

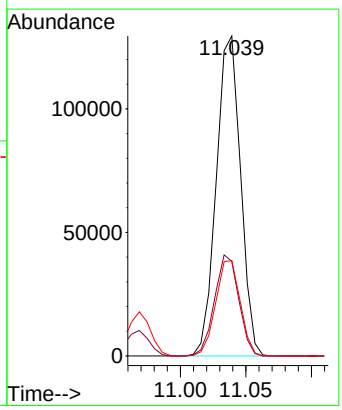


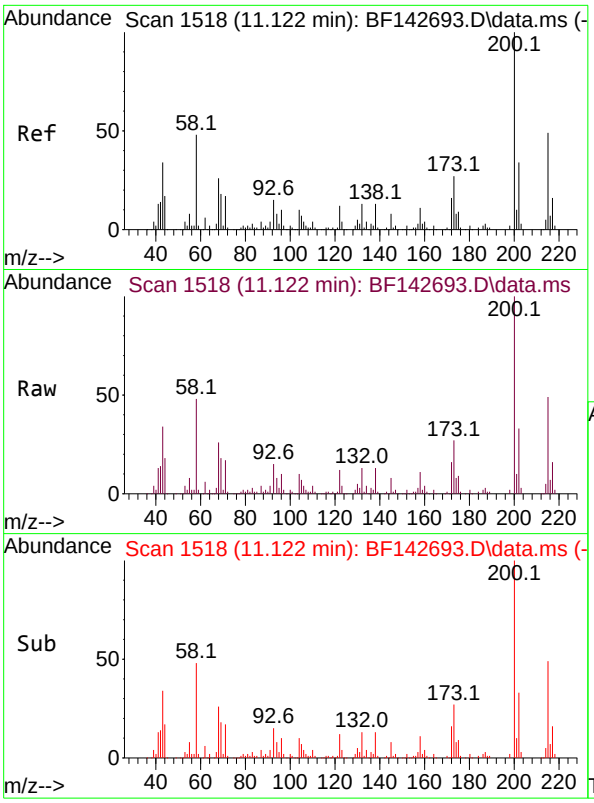


#68
Hexachlorobenzene
Concen: 41.679 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:284 Resp: 167095

Ion	Ratio	Lower	Upper
284	100		
142	29.5	23.6	35.4
249	29.8	23.8	35.8



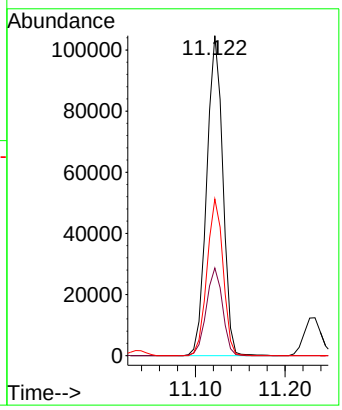


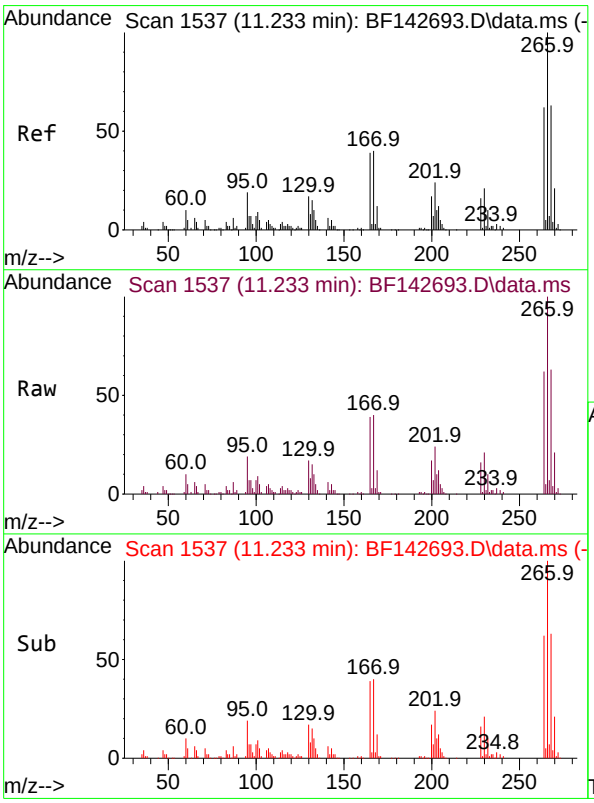
#69
Atrazine
Concen: 42.355 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 130910

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.4	47.4
215	48.9	28.9	68.9

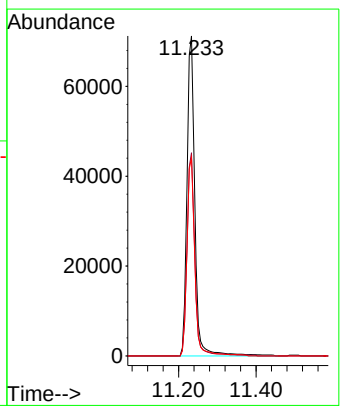


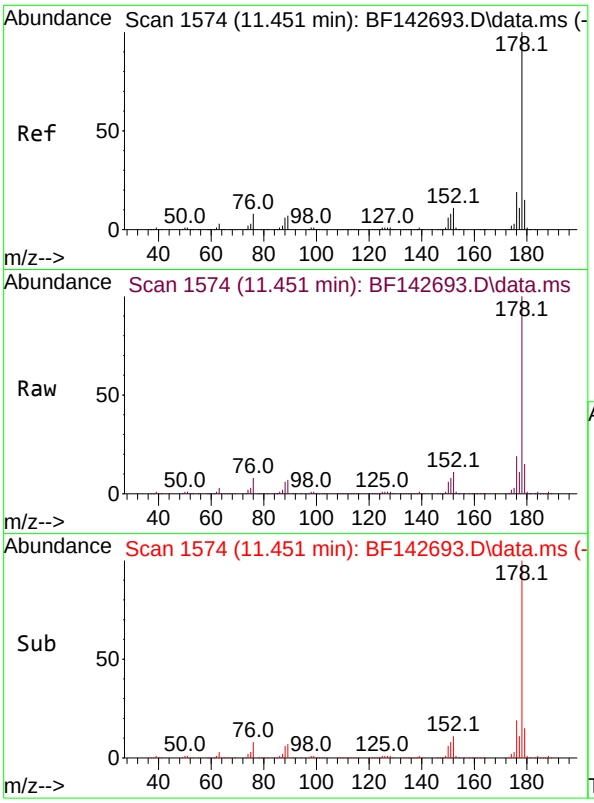


#70
Pentachlorophenol
Concen: 45.505 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:266 Resp: 100328

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.8	76.2
264	62.1	49.7	74.5



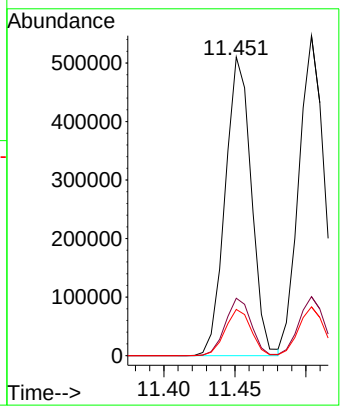


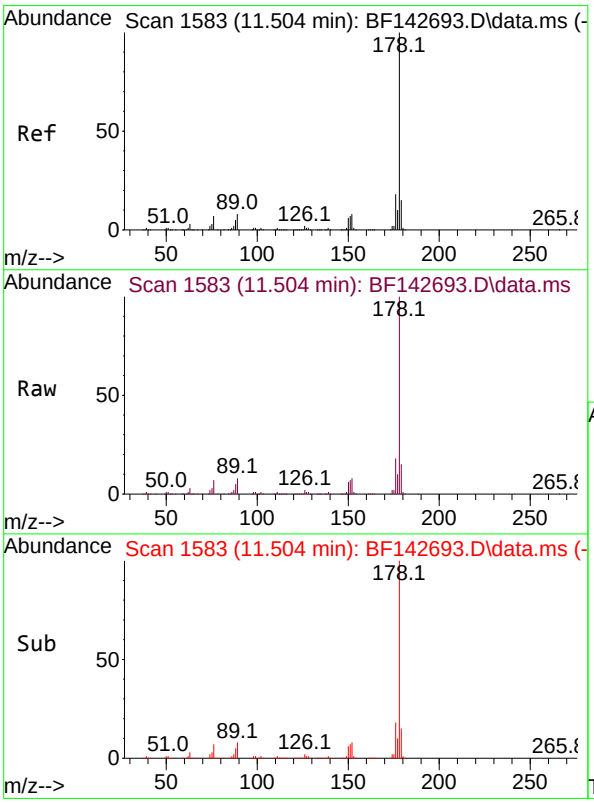
#71
Phenanthrene
Concen: 38.601 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 651415

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.4	18.6

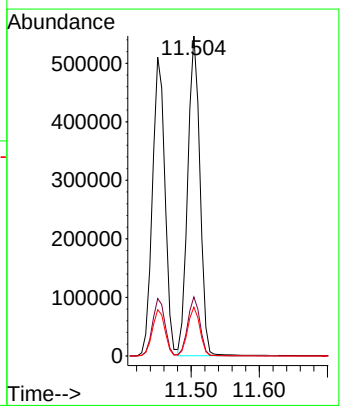


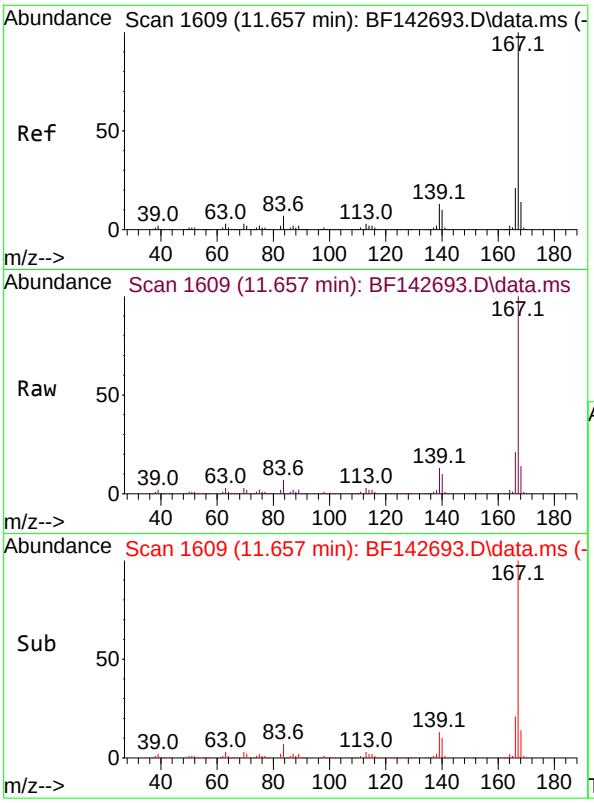


#72
Anthracene
Concen: 38.828 ng
RT: 11.504 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:178 Resp: 679984

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.2	12.2	18.2



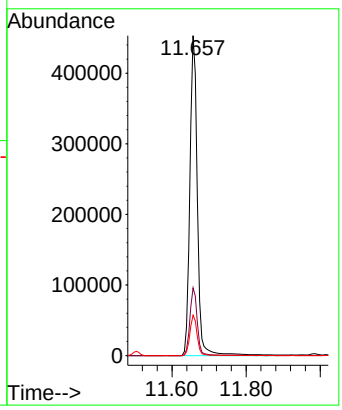


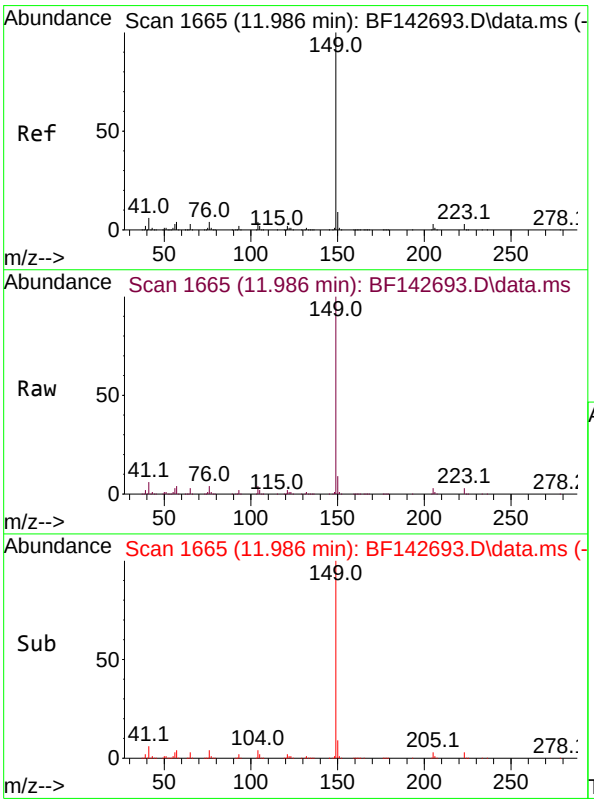
#73
Carbazole
Concen: 40.205 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 634025

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.6	10.1	15.1

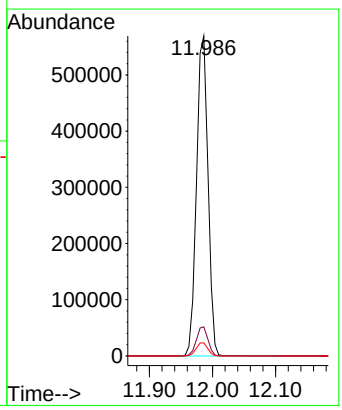


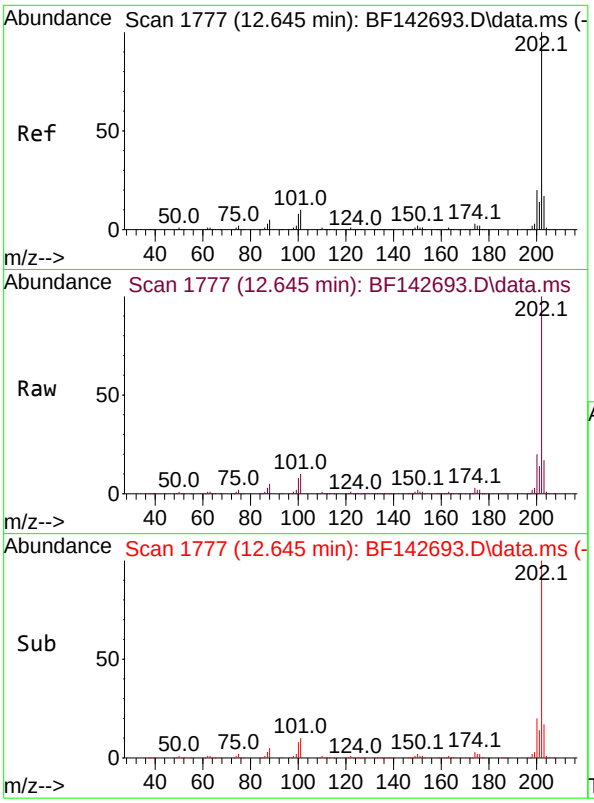


#74
Di-n-butylphthalate
Concen: 43.024 ng
RT: 11.986 min Scan# 1665
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:149 Resp: 720277

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.1	3.3	4.9



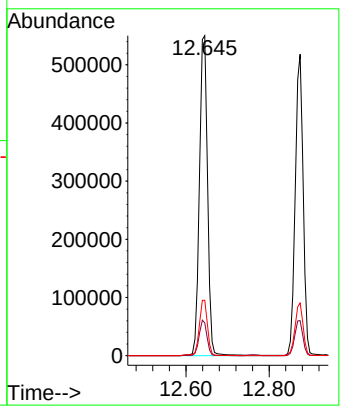


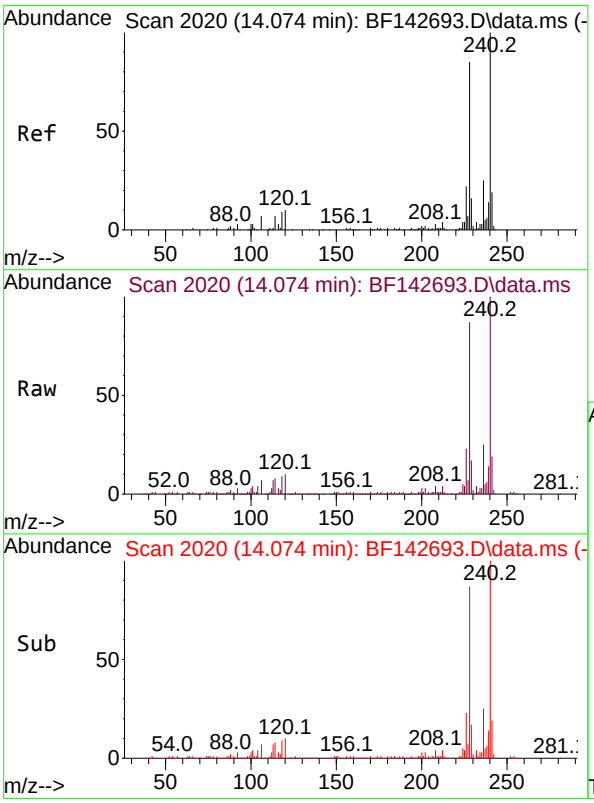
#75
Fluoranthene
Concen: 44.076 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 745248

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.3	0.0	37.3

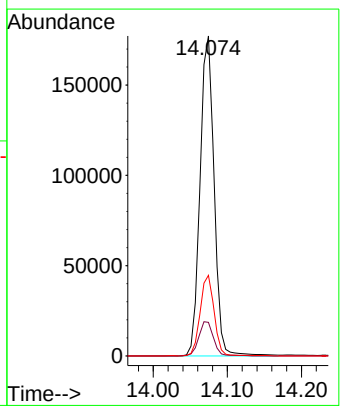


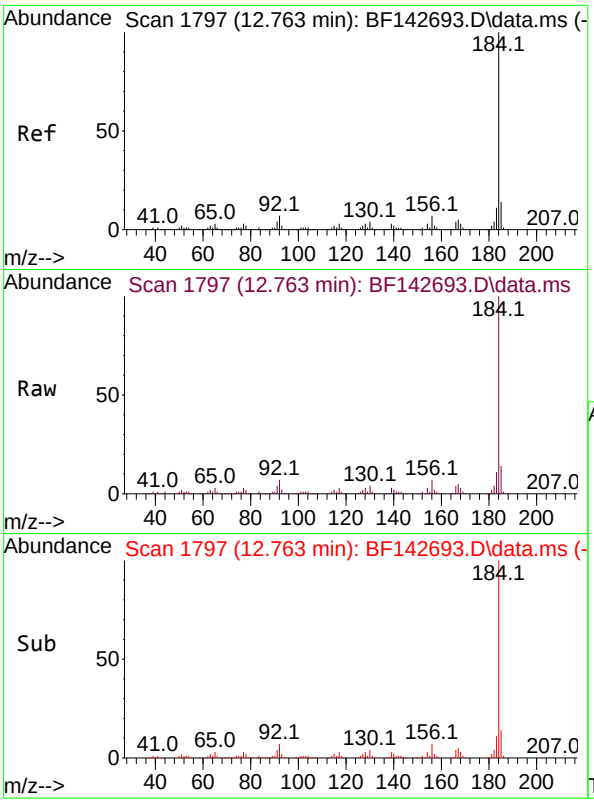


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:240 Resp: 233536

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.2	20.2	30.2



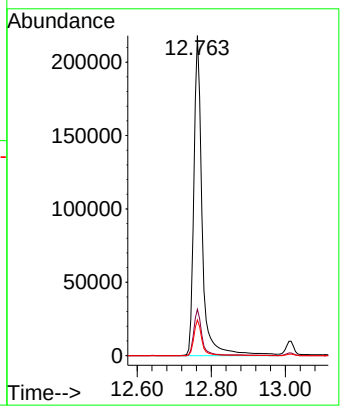


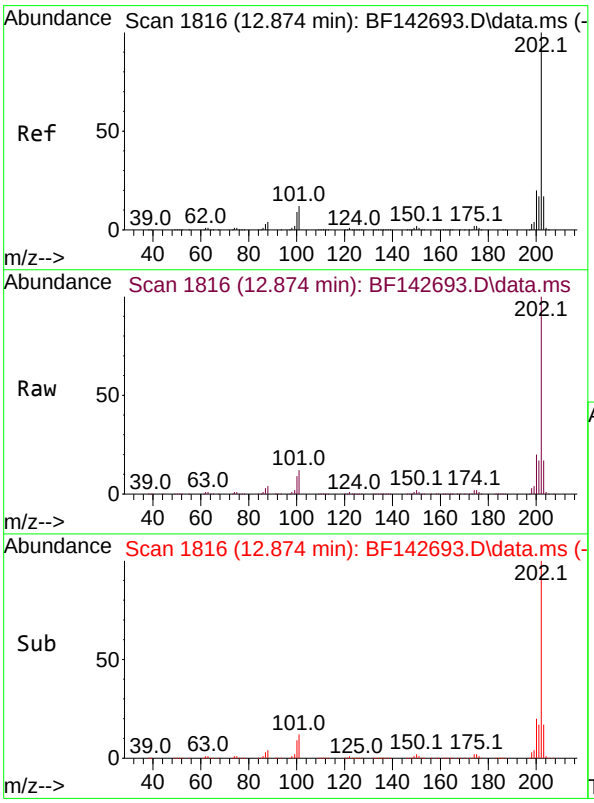
#77
Benzidine
Concen: 42.155 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 339768

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.1	8.9	13.3

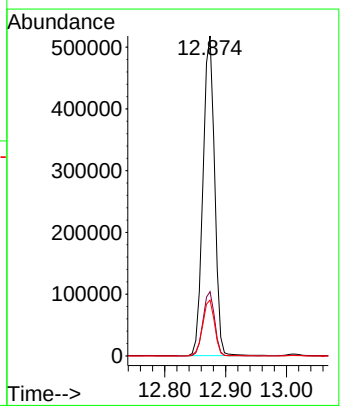


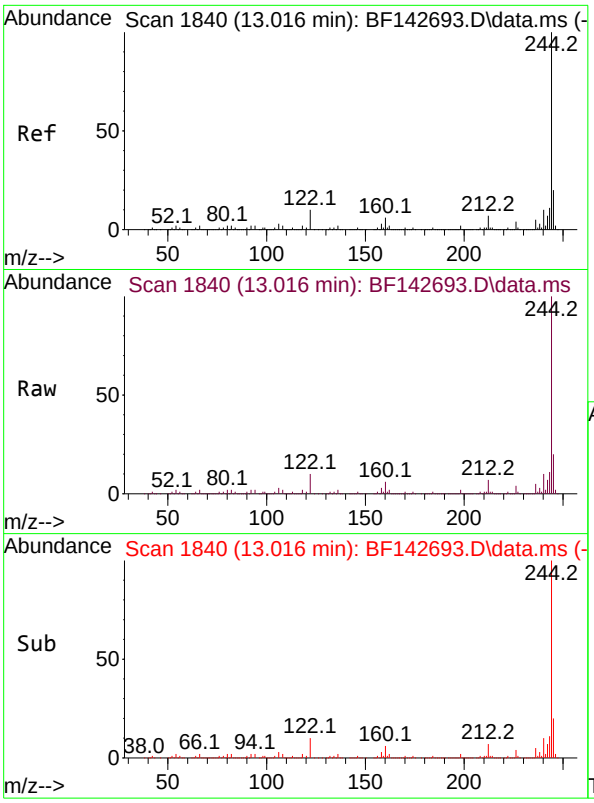


#78
Pyrene
Concen: 35.984 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:202 Resp: 684749

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.4	13.9	20.9



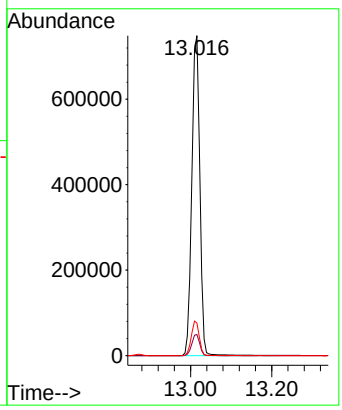


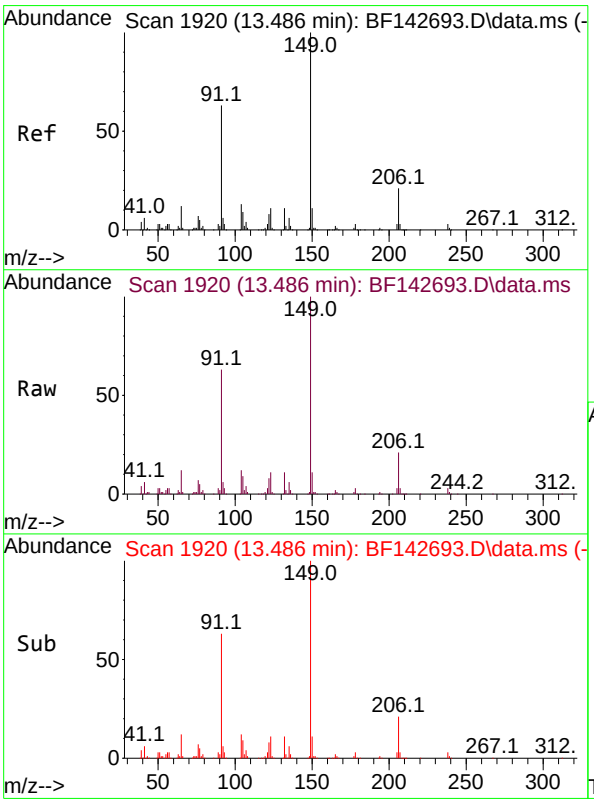
#79
Terphenyl-d14
Concen: 69.439 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1025380

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.2	8.2	12.2

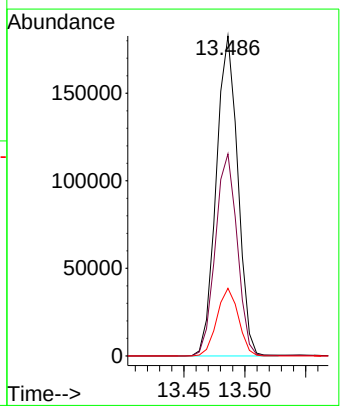


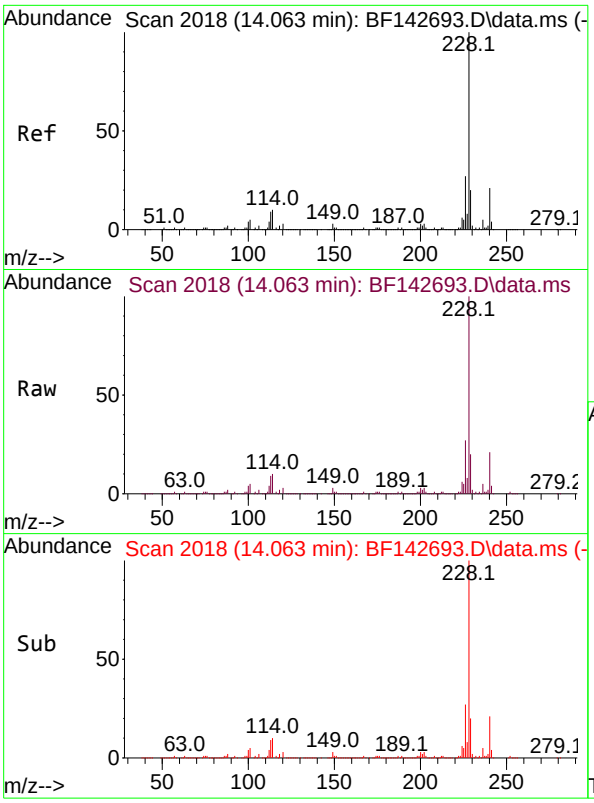


#80
Butylbenzylphthalate
Concen: 38.441 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:149 Resp: 225271

Ion	Ratio	Lower	Upper
149	100		
91	63.1	50.5	75.7
206	21.1	16.9	25.3



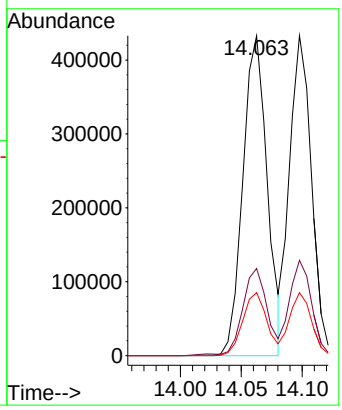


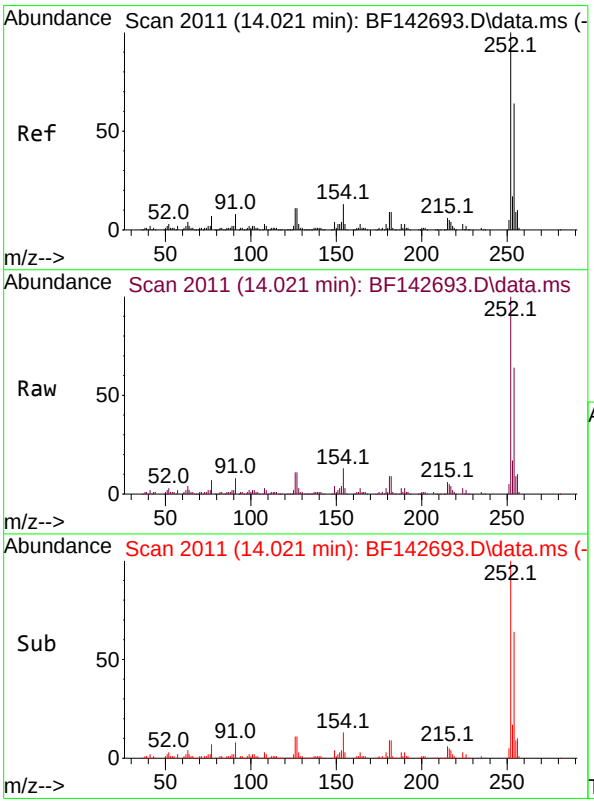
#81
Benzo(a)anthracene
Concen: 39.672 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 601282

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.7	15.8	23.6

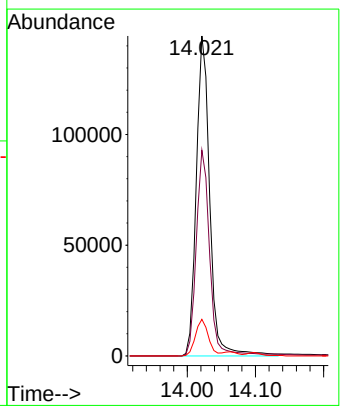


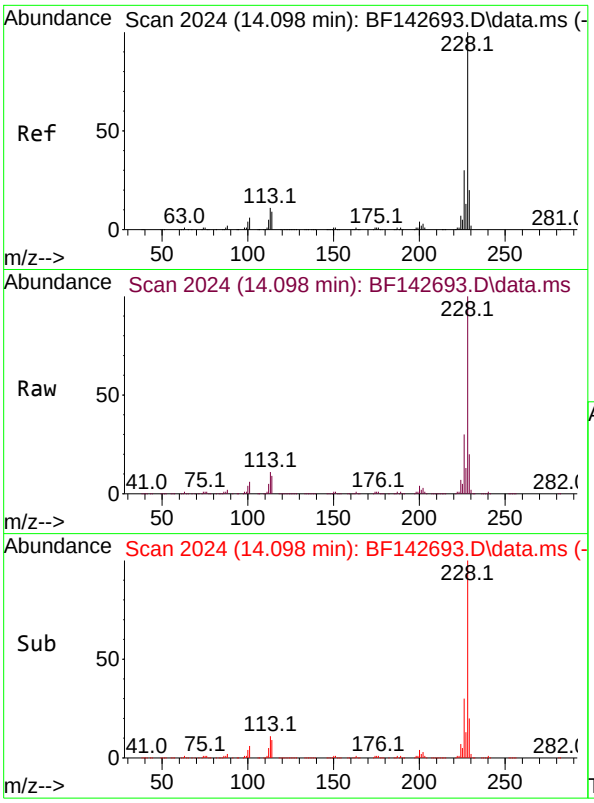


#82
3,3'-Dichlorobenzidine
Concen: 41.010 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:252 Resp: 198683

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	11.4	9.1	13.7



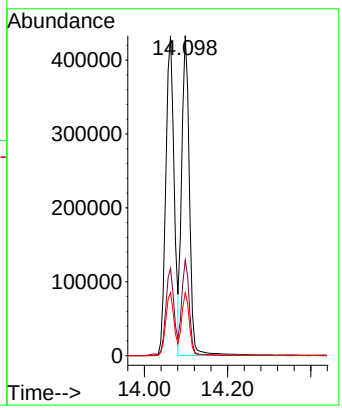


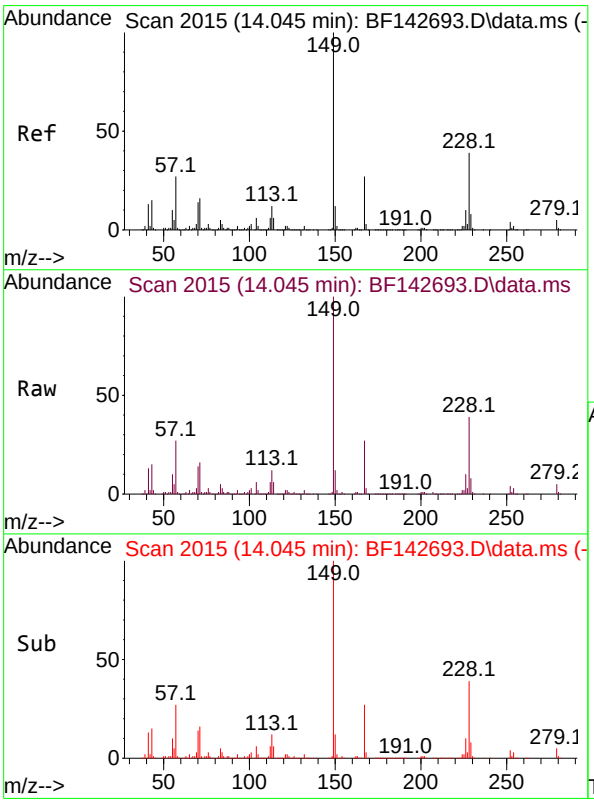
#83
Chrysene
Concen: 39.044 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 560504

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.7	15.8	23.6

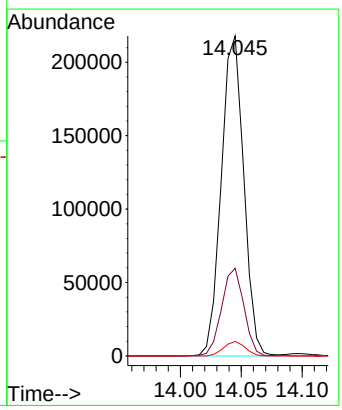


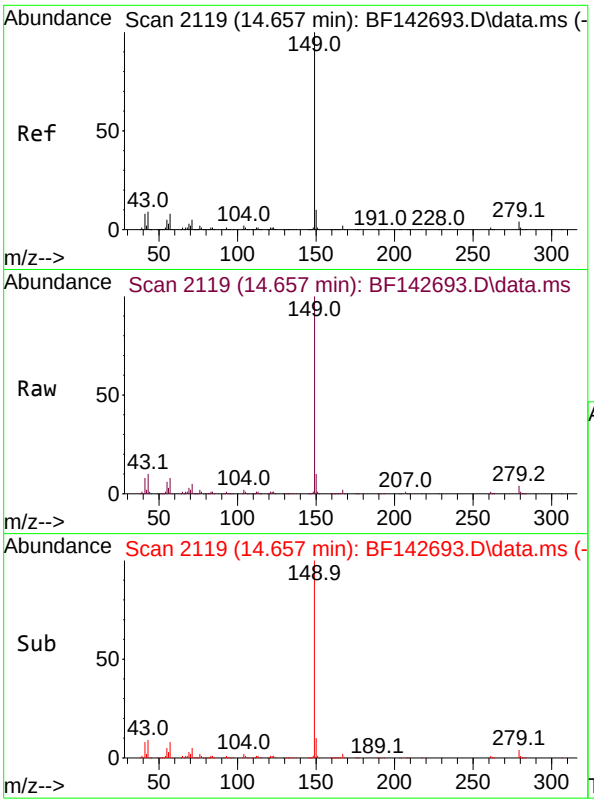


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.849 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:149 Resp: 280000

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.5	3.6	5.4



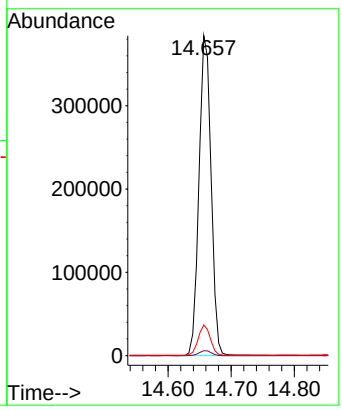


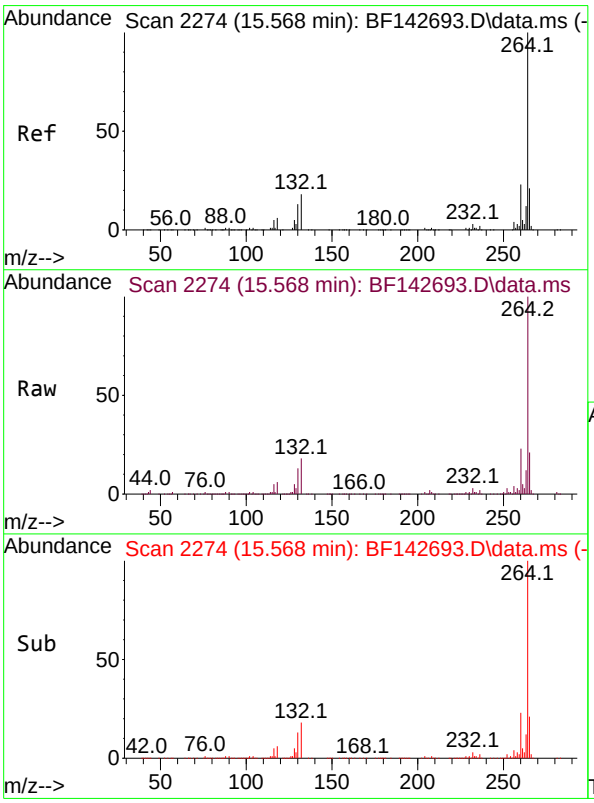
#85
Di-n-octyl phthalate
Concen: 39.252 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 510773

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.5	11.3

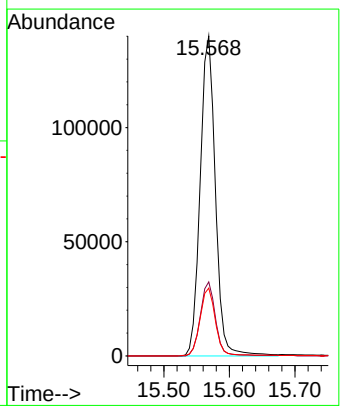


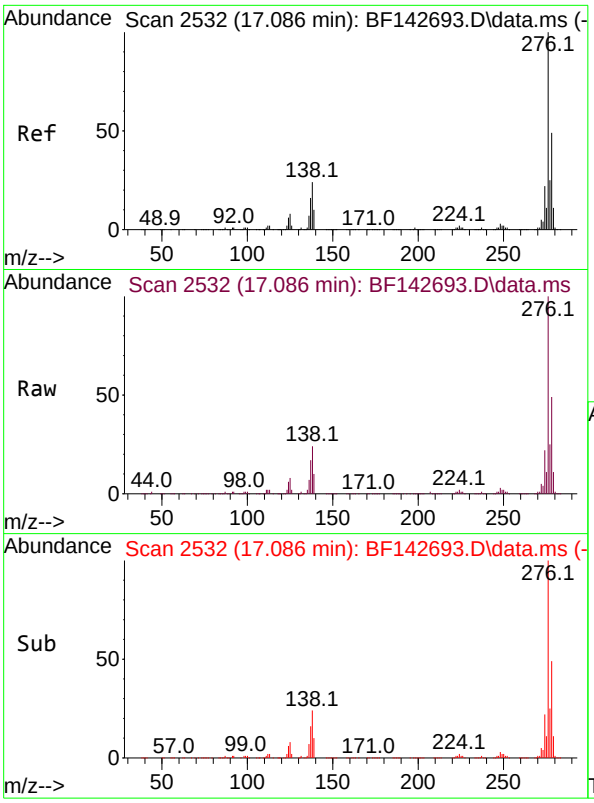


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:264 Resp: 224996

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.2	17.0	25.4



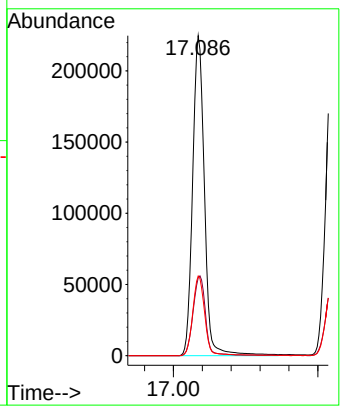


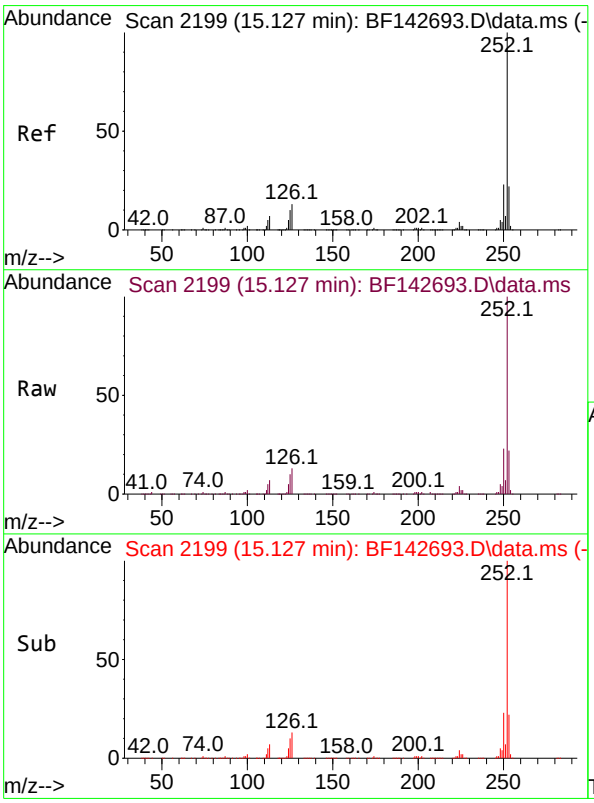
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.047 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 637370

Ion	Ratio	Lower	Upper
276	100		
138	26.0	20.8	31.2
277	25.3	20.2	30.2

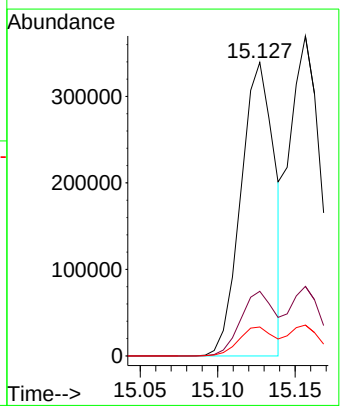


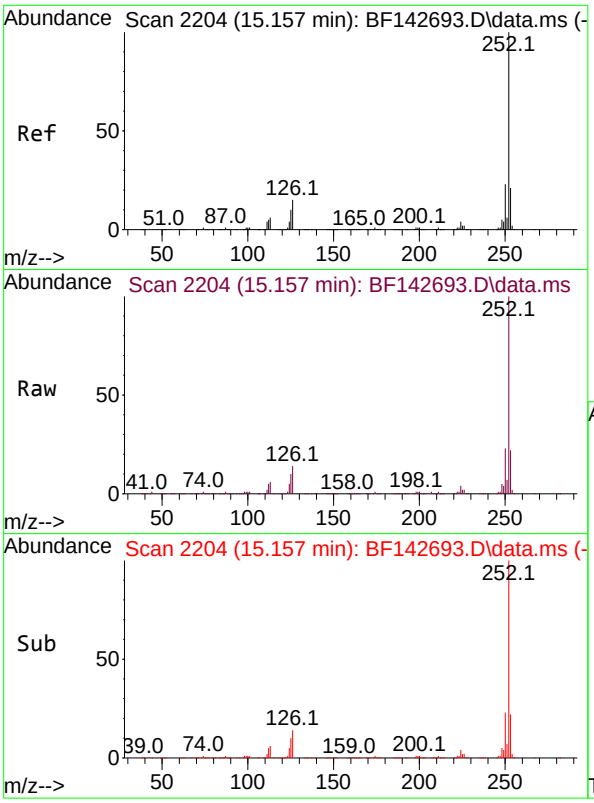


#88
Benzo(b)fluoranthene
Concen: 38.024 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:252 Resp: 511131

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.8	7.8	11.8



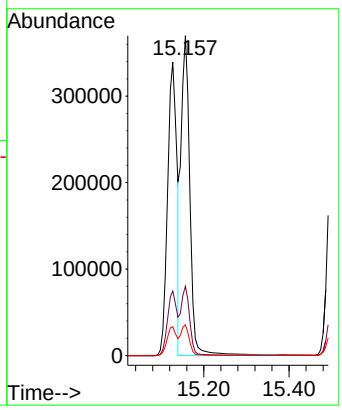


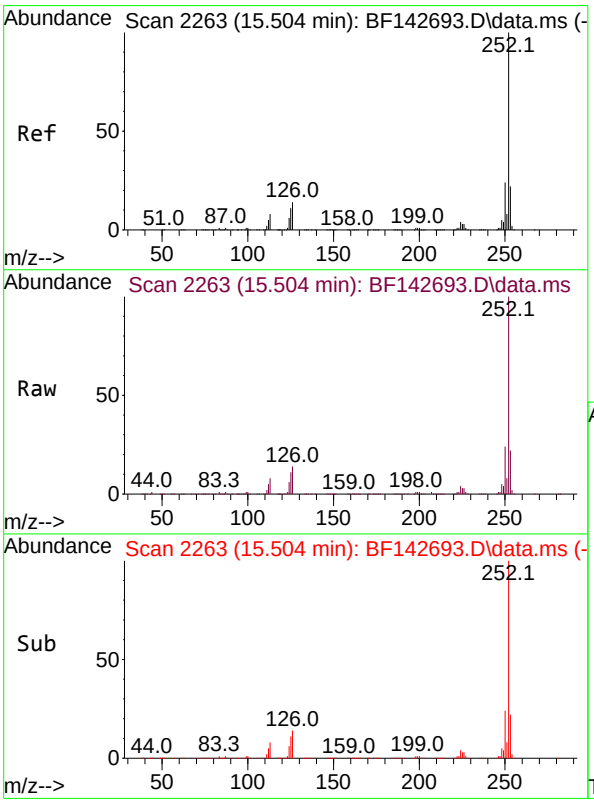
#89
Benzo(k)fluoranthene
Concen: 42.149 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 533158

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.6	7.7	11.5

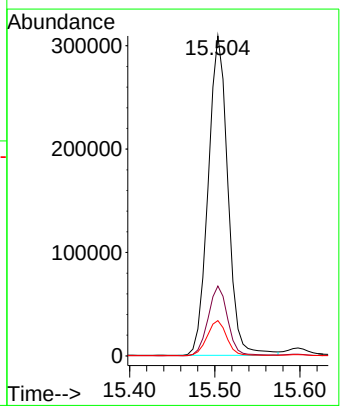


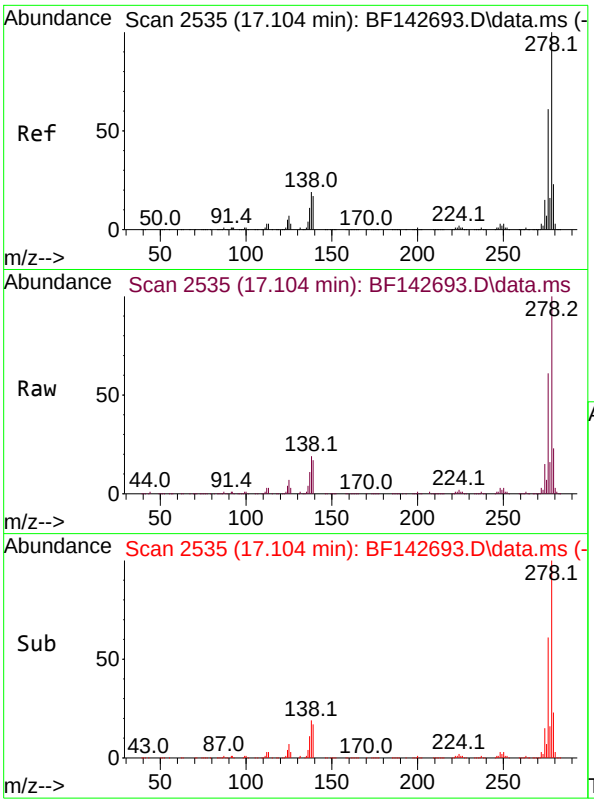


#90
Benzo(a)pyrene
Concen: 39.418 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:252 Resp: 496529

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.0	8.8	13.2



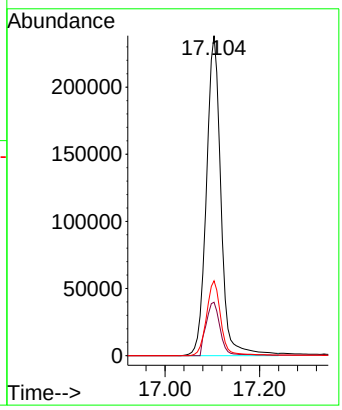


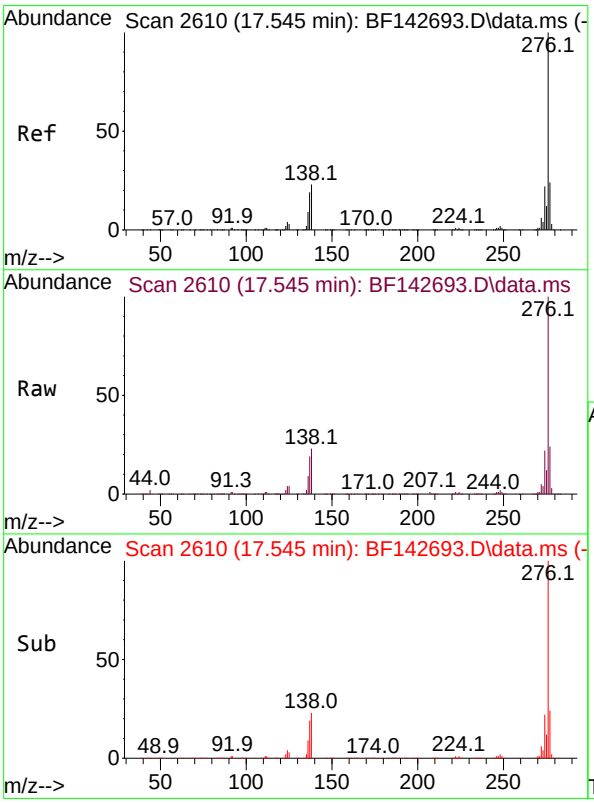
#91
Dibenzo(a,h)anthracene
Concen: 39.640 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 507864

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.4	20.0
279	23.4	18.7	28.1

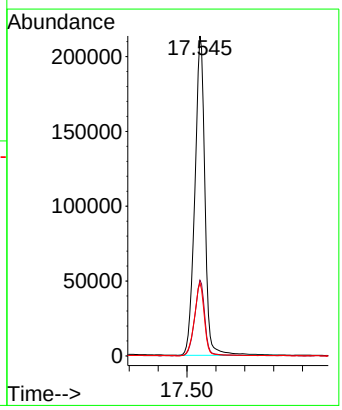




#92
Benzo(g,h,i)perylene
Concen: 38.851 ng
RT: 17.545 min Scan# 2610
Delta R.T. 0.000 min
Lab File: BF142693.D
Acq: 09 Jun 2025 15:05

Tgt Ion:276 Resp: 515426

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	22.7	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142694.D
Acq On : 09 Jun 2025 15:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 09 17:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	96694	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	364856	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	178880	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	330655	20.000	ng	0.00
76) Chrysene-d12	14.074	240	199600	20.000	ng	0.00
86) Perylene-d12	15.569	264	178762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	596301	104.711	ng	0.00
7) Phenol-d6	6.528	99	705740	105.677	ng	0.00
23) Nitrobenzene-d5	7.463	82	708154	106.666	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	222280	110.601	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1273047	97.327	ng	0.00
79) Terphenyl-d14	13.016	244	1299701	102.981	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	115253	52.852	ng	98
3) Pyridine	3.452	79	294174	52.305	ng	100
4) n-Nitrosodimethylamine	3.410	42	141074	51.536	ng	100
6) Aniline	6.557	93	479255	53.452	ng	97
8) 2-Chlorophenol	6.681	128	324586	52.242	ng	99
9) Benzaldehyde	6.446	77	199410	52.966	ng	99
10) Phenol	6.540	94	399008	53.355	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	284789	52.273	ng	99
12) 1,3-Dichlorobenzene	6.840	146	358578	51.533	ng	98
13) 1,4-Dichlorobenzene	6.916	146	368987	51.863	ng	100
14) 1,2-Dichlorobenzene	7.069	146	357909	52.760	ng	98
15) Benzyl Alcohol	7.040	79	264629	54.171	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.169	45	468094	52.764	ng	98
17) 2-Methylphenol	7.151	107	257552	54.059	ng	98
18) Hexachloroethane	7.410	117	127368	52.110	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	202549	51.740	ng	100
20) 3+4-Methylphenols	7.304	107	298018	50.791	ng	94
22) Acetophenone	7.310	105	398297	49.939	ng	97
24) Nitrobenzene	7.481	77	323976	54.110	ng	98
25) Isophorone	7.722	82	532384	49.427	ng	100
26) 2-Nitrophenol	7.798	139	168006	50.870	ng	98
27) 2,4-Dimethylphenol	7.834	122	281251	50.108	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	340565	50.412	ng	99
29) 2,4-Dichlorophenol	8.040	162	269230	52.358	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	291633	51.995	ng	99
31) Naphthalene	8.204	128	917133	51.011	ng	100
32) Benzoic acid	7.951	122	178868	52.493	ng	100
33) 4-Chloroaniline	8.251	127	384120	51.968	ng	100
34) Hexachlorobutadiene	8.316	225	177827	51.478	ng	98
35) Caprolactam	8.628	113	85655	54.233	ng	98
36) 4-Chloro-3-methylphenol	8.734	107	265845	50.121	ng	98
37) 2-Methylnaphthalene	8.892	142	581176	51.373	ng	99
38) 1-Methylnaphthalene	8.992	142	603788	51.540	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	258649	50.034	ng	100
41) Hexachlorocyclopentadiene	9.045	237	166328	54.789	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	174699	51.503	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142694.D
Acq On : 09 Jun 2025 15:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 09 17:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

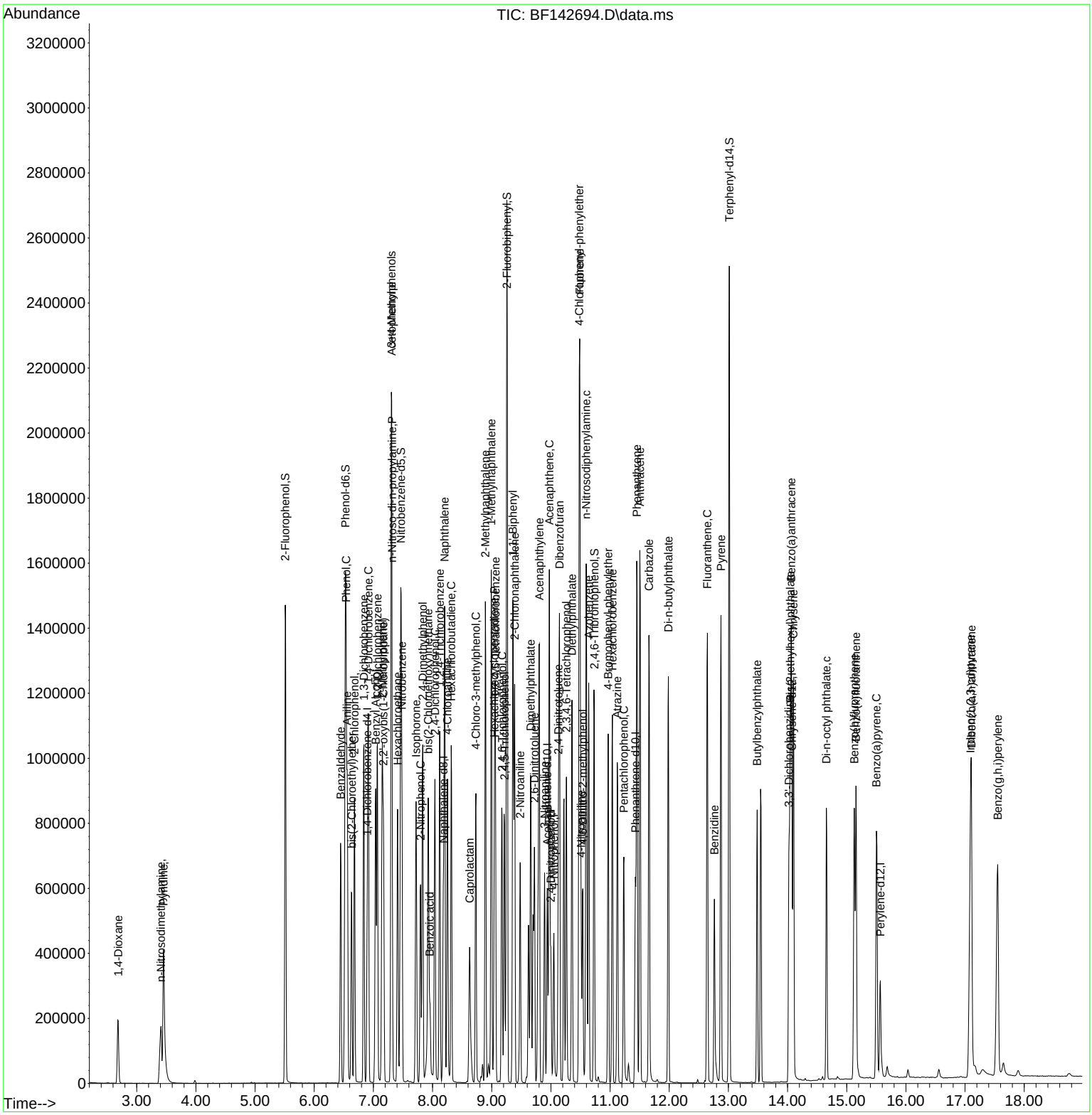
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	186556	51.492	ng	97
46) 1,1'-Biphenyl	9.357	154	684395	49.203	ng	99
47) 2-Chloronaphthalene	9.387	162	514112	49.329	ng	99
48) 2-Nitroaniline	9.481	65	158939	51.248	ng	98
49) Acenaphthylene	9.804	152	885603	51.270	ng	100
50) Dimethylphthalate	9.657	163	606003	50.352	ng	100
51) 2,6-Dinitrotoluene	9.722	165	136340	52.368	ng	98
52) Acenaphthene	9.975	154	553566	52.388	ng	100
53) 3-Nitroaniline	9.892	138	156592	53.529	ng	99
54) 2,4-Dinitrophenol	9.998	184	86301	59.872	ng	98
55) Dibenzofuran	10.145	168	806733	53.218	ng	99
56) 4-Nitrophenol	10.051	139	117184	58.279	ng	96
57) 2,4-Dinitrotoluene	10.128	165	193583	55.471	ng	98
58) Fluorene	10.486	166	659736	54.450	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	168269	55.194	ng	98
60) Diethylphthalate	10.357	149	644128	55.129	ng	99
61) 4-Chlorophenyl-phenyle...	10.481	204	318997	55.685	ng	97
62) 4-Nitroaniline	10.510	138	162130	58.424	ng	98
63) Azobenzene	10.639	77	596071	56.952	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	119236	56.539	ng	99
66) n-Nitrosodiphenylamine	10.598	169	589800	55.246	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	196498	53.765	ng	99
68) Hexachlorobenzene	11.039	284	229905	54.746	ng	99
69) Atrazine	11.122	200	179031	55.298	ng	99
70) Pentachlorophenol	11.233	266	126643	54.837	ng	99
71) Phenanthrene	11.451	178	896875	50.738	ng	100
72) Anthracene	11.504	178	948414	51.701	ng	99
73) Carbazole	11.657	167	889144	53.827	ng	99
74) Di-n-butylphthalate	11.986	149	934189	53.272	ng	100
75) Fluoranthene	12.645	202	847121	47.830	ng	100
77) Benzidine	12.763	184	366346	53.180	ng	100
78) Pyrene	12.875	202	859923	52.872	ng	99
80) Butylbenzylphthalate	13.486	149	282322	56.367	ng	99
81) Benzo(a)anthracene	14.063	228	671106	51.808	ng	100
82) 3,3'-Dichlorobenzidine	14.022	252	231937	56.013	ng	99
83) Chrysene	14.098	228	631136	51.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	328007	57.359	ng	99
85) Di-n-octyl phthalate	14.657	149	578656	52.029	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	690246	54.587	ng	100
88) Benzo(b)fluoranthene	15.127	252	591071	55.344	ng	100
89) Benzo(k)fluoranthene	15.157	252	485157	48.274	ng	99
90) Benzo(a)pyrene	15.504	252	519088	51.867	ng	99
91) Dibenzo(a,h)anthracene	17.110	278	559687	54.983	ng	100
92) Benzo(g,h,i)perylene	17.551	276	631821	59.941	ng	100

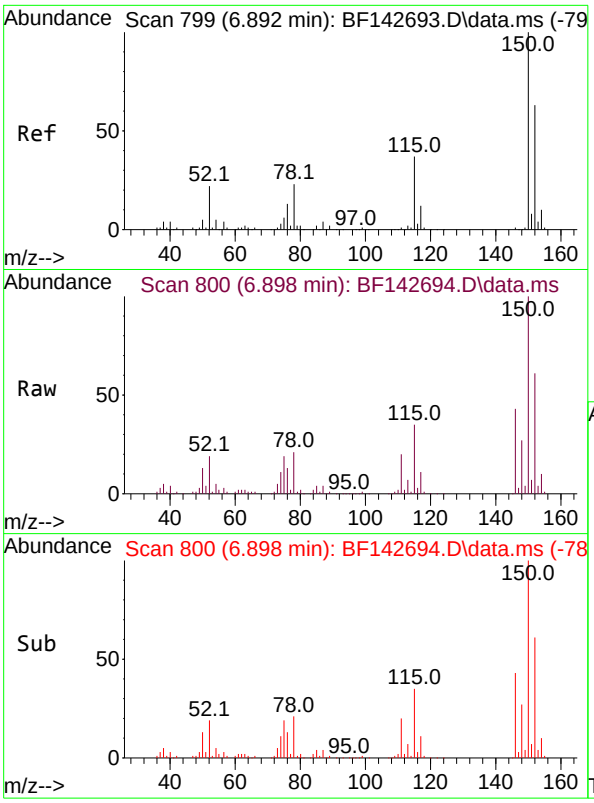
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142694.D
Acq On : 09 Jun 2025 15:34
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 09 17:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



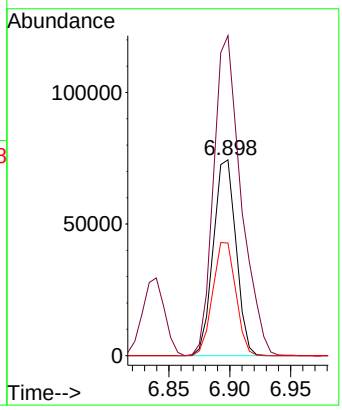


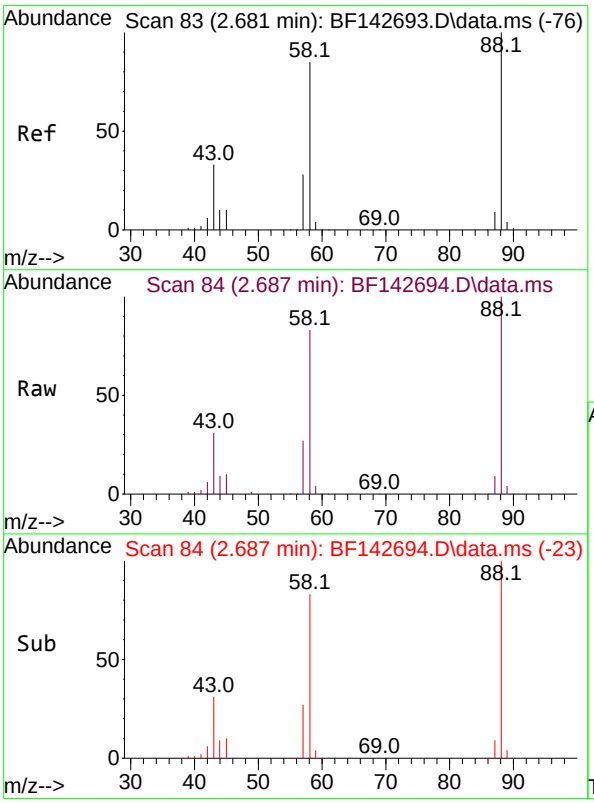
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 96694

Ion	Ratio	Lower	Upper
152	100		
150	163.4	126.8	190.2
115	57.5	46.8	70.2

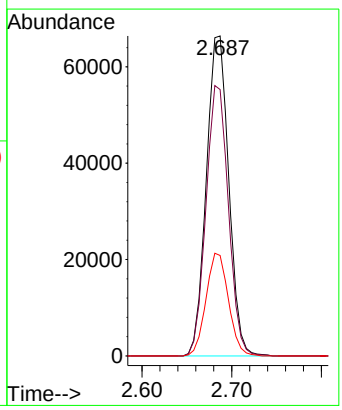


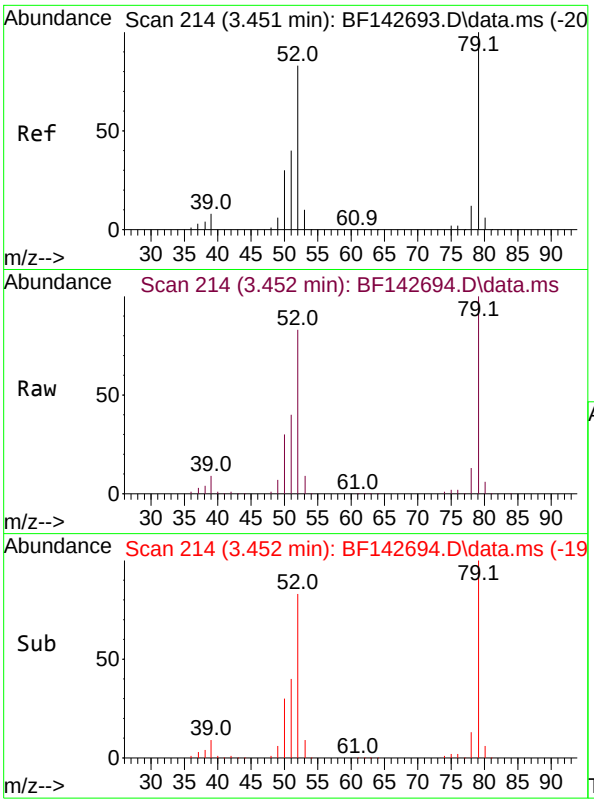


#2
1,4-Dioxane
Concen: 52.852 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 88 Resp: 115253

Ion	Ratio	Lower	Upper
88	100		
58	84.6	69.2	103.8
43	32.1	26.3	39.5



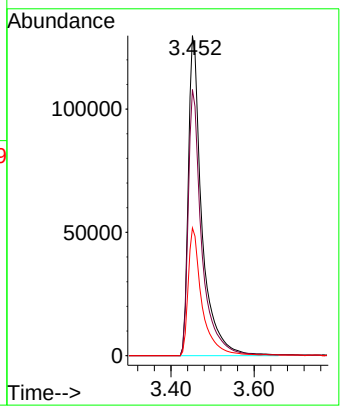


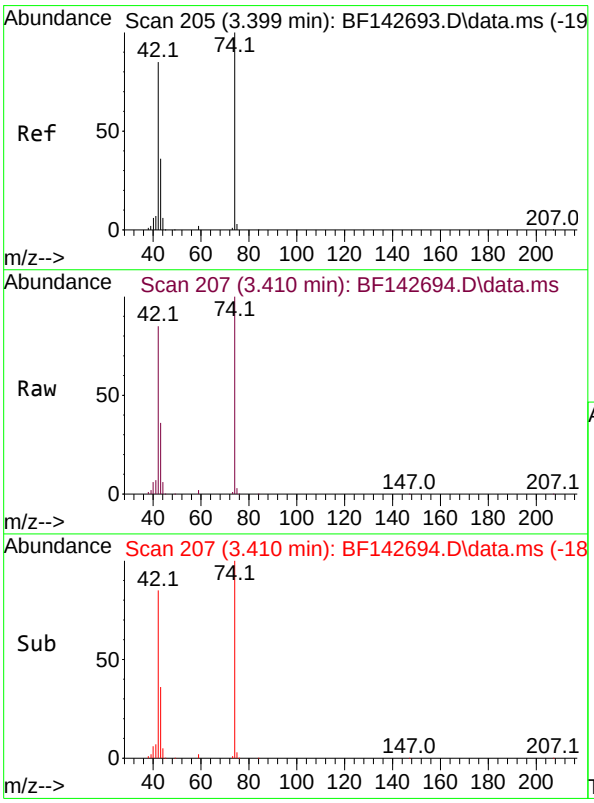
#3
Pyridine
Concen: 52.305 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 294174

Ion	Ratio	Lower	Upper
79	100		
52	83.1	66.6	99.8
51	39.9	31.7	47.5

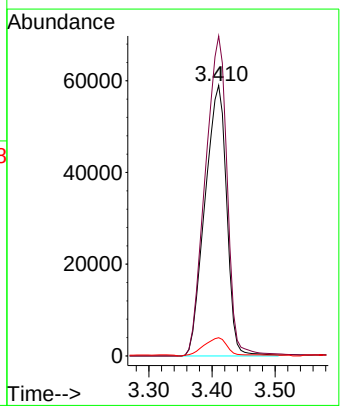


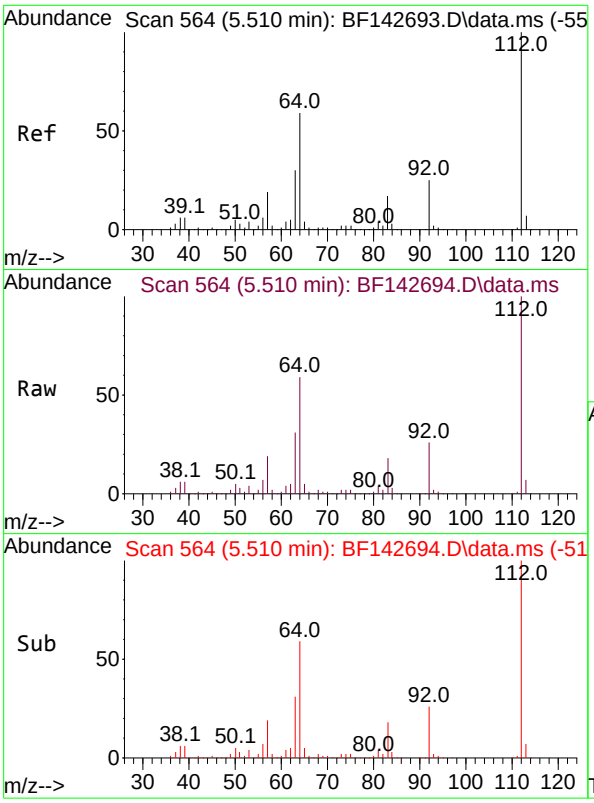


#4
n-Nitrosodimethylamine
Concen: 51.536 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.012 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 42 Resp: 141074

Ion	Ratio	Lower	Upper
42	100		
74	118.3	94.5	141.7
44	6.7	5.6	8.4



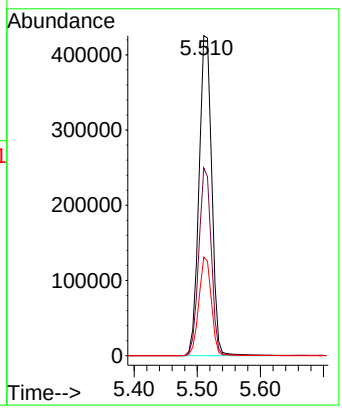


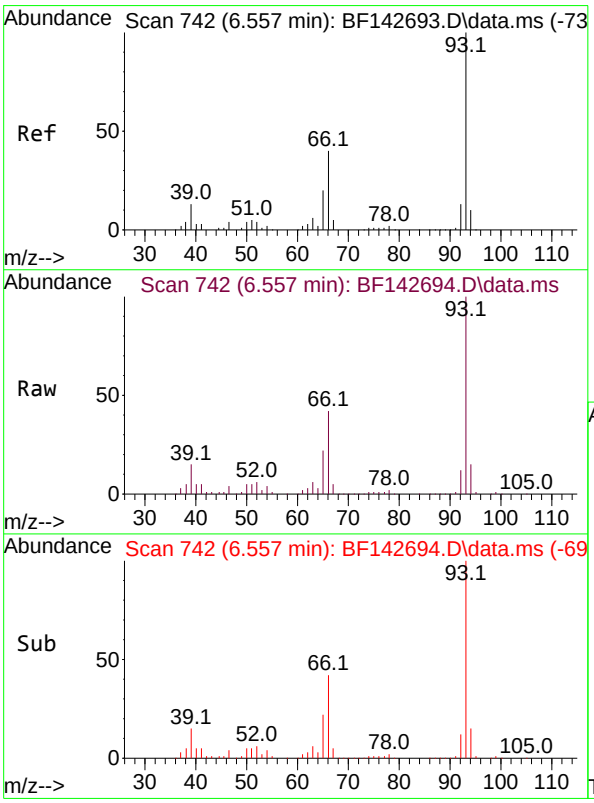
#5
2-Fluorophenol
Concen: 104.711 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 596301

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.9	70.3
63	30.8	24.3	36.5

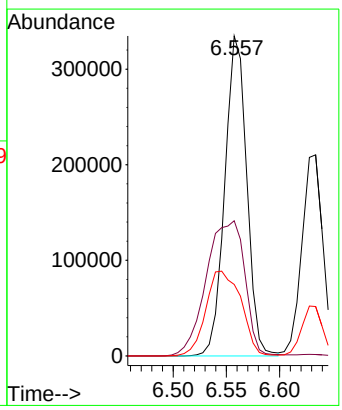


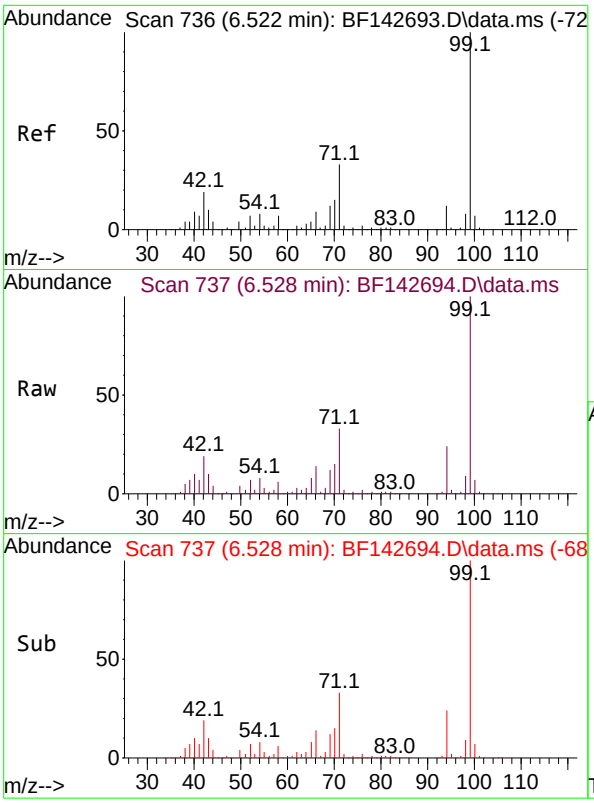


#6
Aniline
Concen: 53.452 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 93 Resp: 479255

Ion	Ratio	Lower	Upper
93	100		
66	42.2	32.8	49.2
65	22.3	16.4	24.6



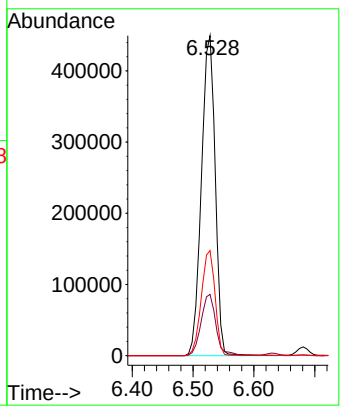


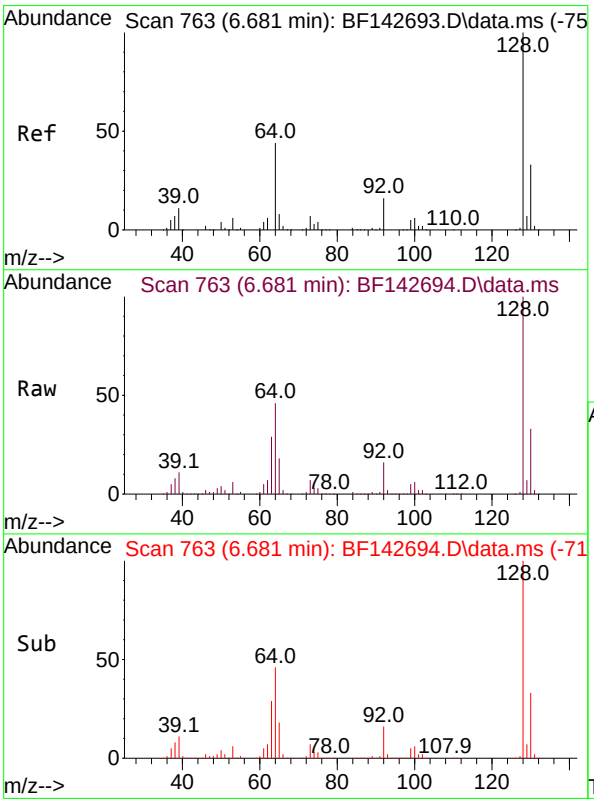
#7
Phenol-d6
Concen: 105.677 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 705740

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.3	22.9
71	32.8	26.3	39.5

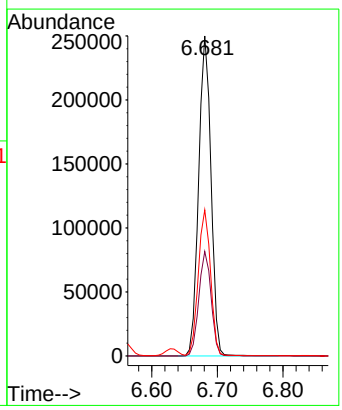


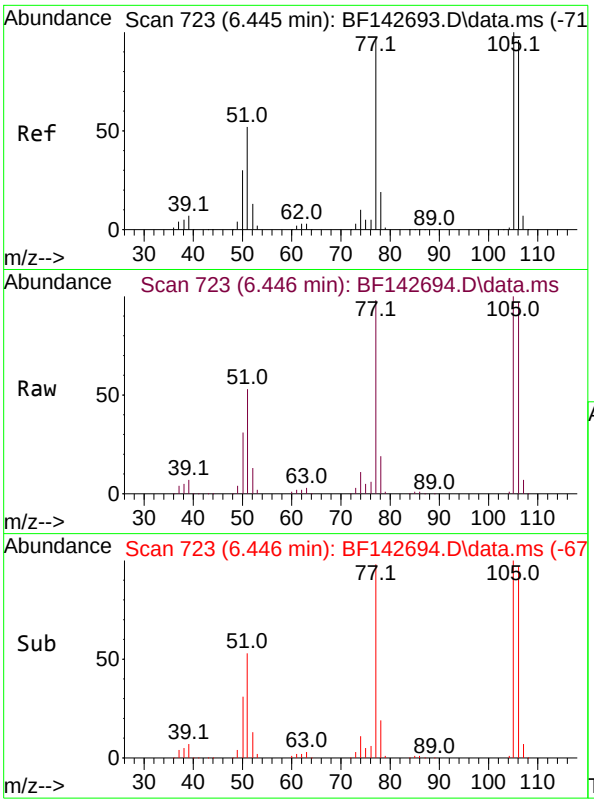


#8
2-Chlorophenol
Concen: 52.242 ng
RT: 6.681 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:128 Resp: 324586

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.3	53.3
64	45.6	25.4	65.4



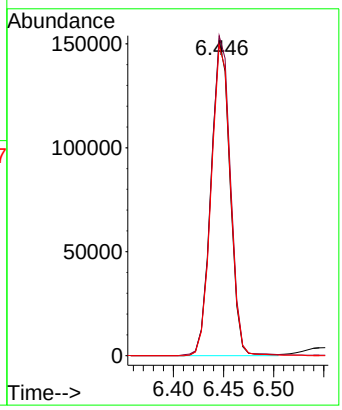


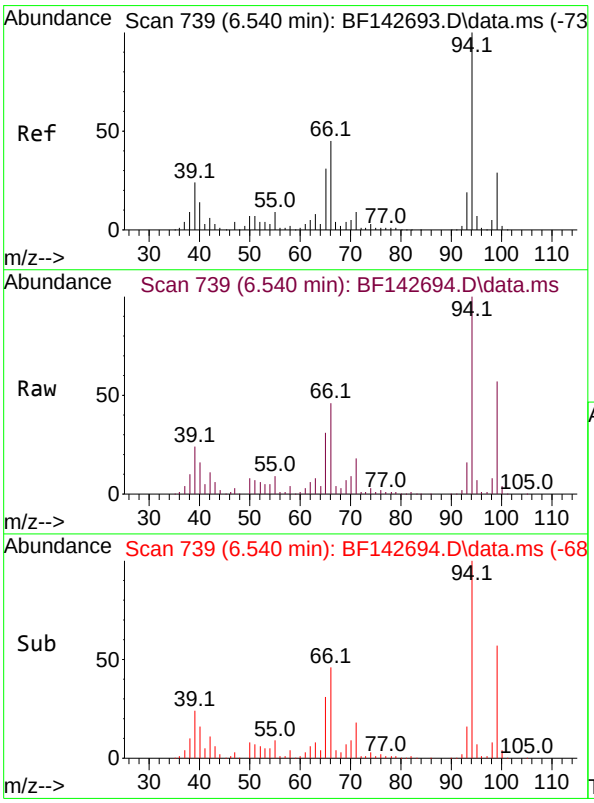
#9
Benzaldehyde
Concen: 52.966 ng
RT: 6.446 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 199410

Ion	Ratio	Lower	Upper
77	100		
105	101.6	83.2	123.2
106	98.6	78.7	118.7

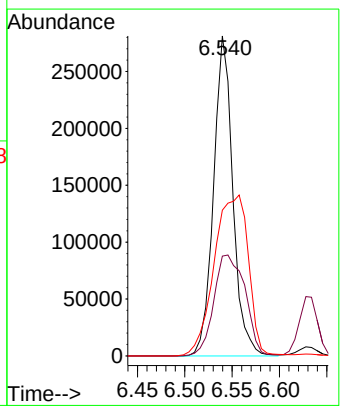


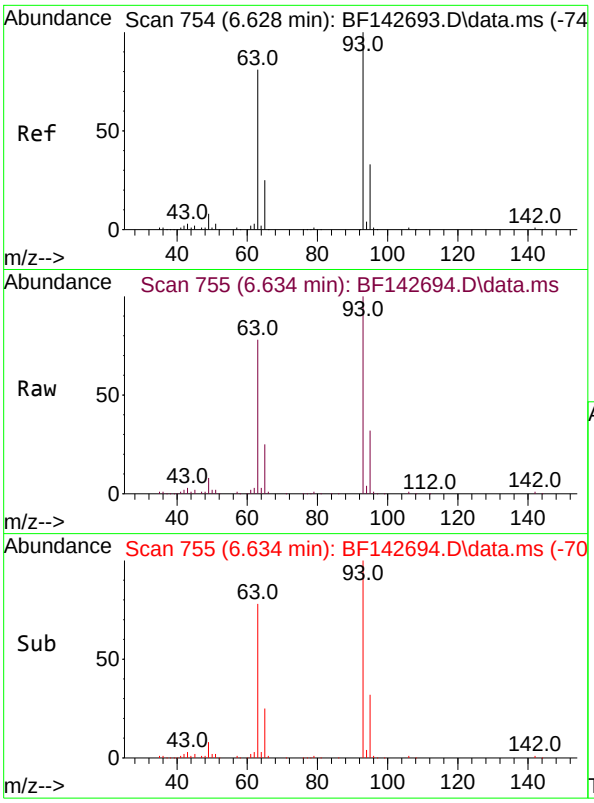


#10
Phenol
Concen: 53.355 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 94 Resp: 399008

Ion	Ratio	Lower	Upper
94	100		
65	31.2	11.0	51.0
66	45.5	24.9	64.9



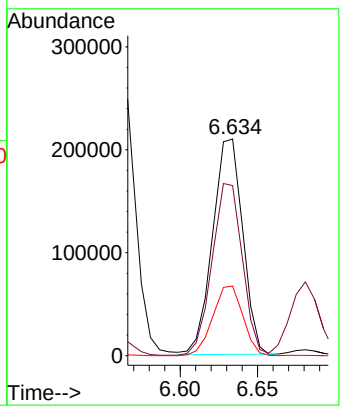


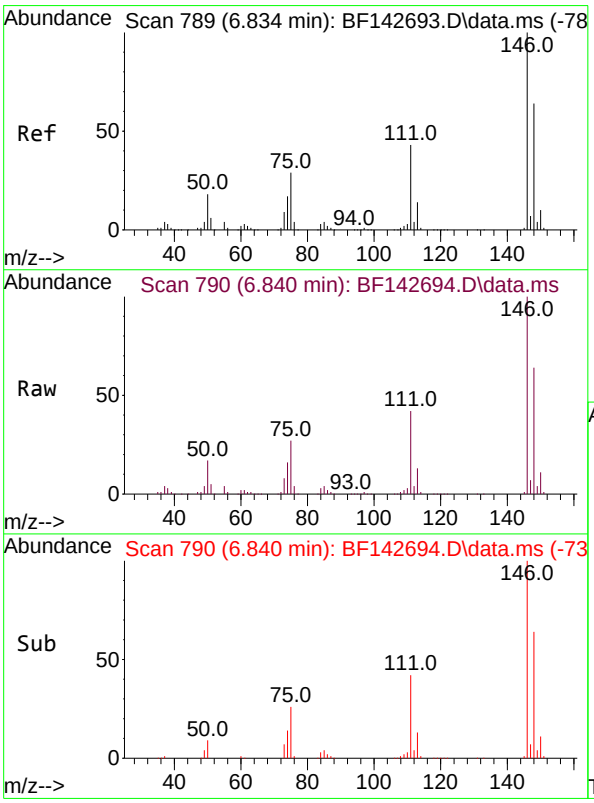
#11
bis(2-Chloroethyl)ether
Concen: 52.273 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 284789

Ion	Ratio	Lower	Upper
93	100		
63	78.5	60.0	100.0
95	32.1	12.2	52.2

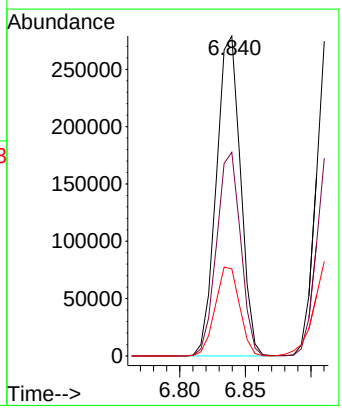


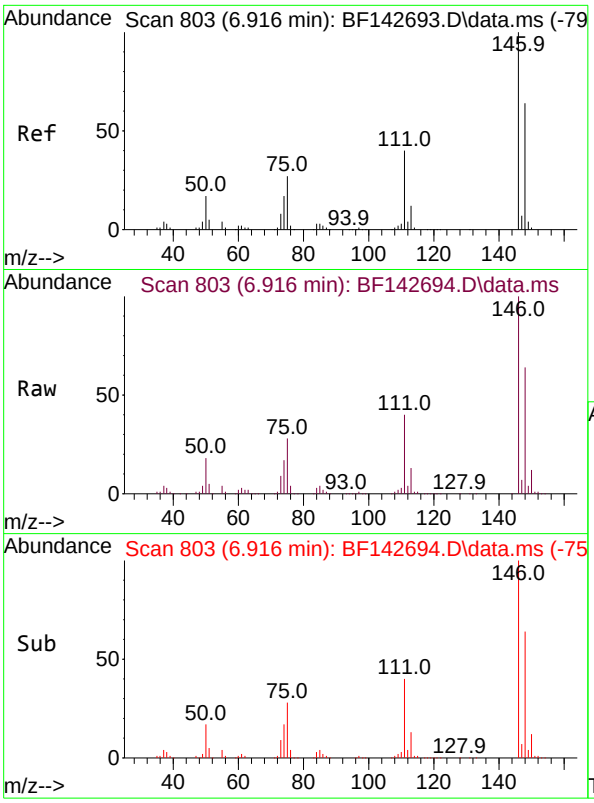


#12
1,3-Dichlorobenzene
Concen: 51.533 ng
RT: 6.840 min Scan# 790
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:146 Resp: 358578

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.2
75	27.2	23.1	34.7



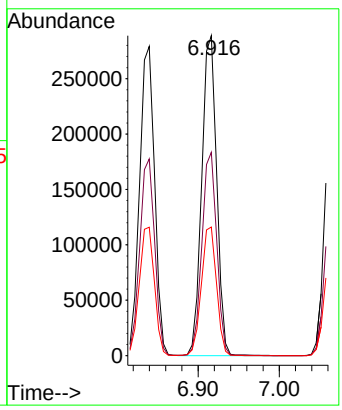


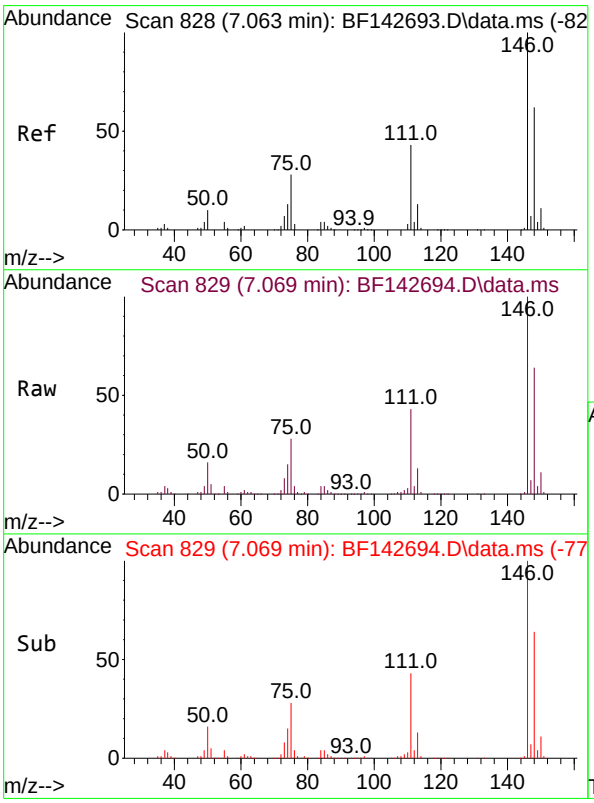
#13
1,4-Dichlorobenzene
Concen: 51.863 ng
RT: 6.916 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 368987

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	40.2	31.8	47.8

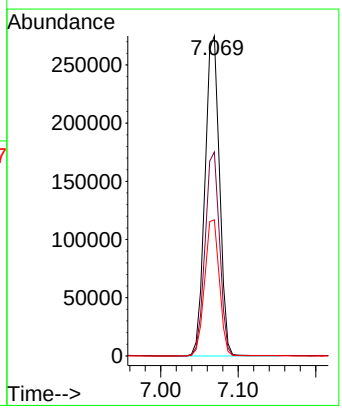


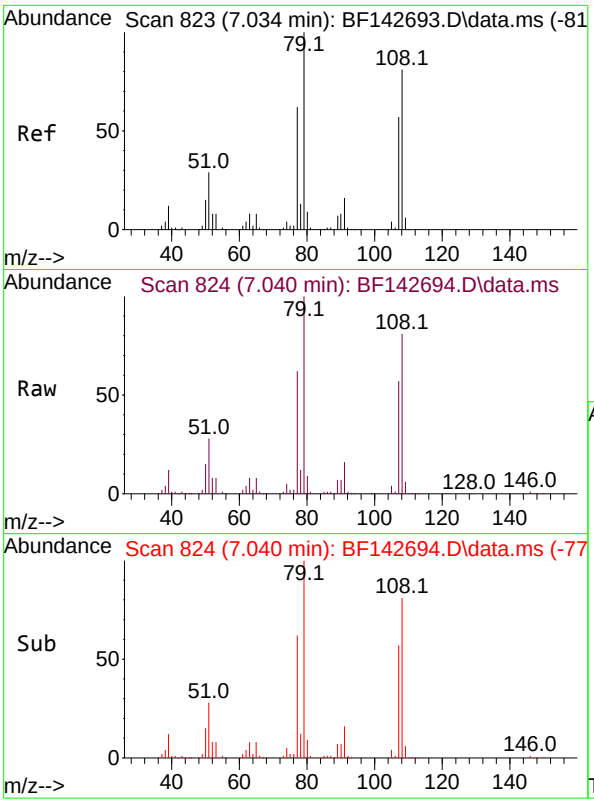


#14
1,2-Dichlorobenzene
Concen: 52.760 ng
RT: 7.069 min Scan# 829
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:146 Resp: 357909

Ion	Ratio	Lower	Upper
146	100		
148	63.7	49.3	73.9
111	42.5	34.1	51.1



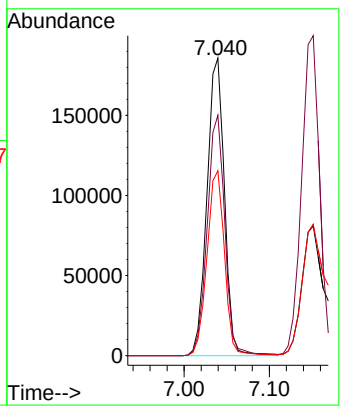


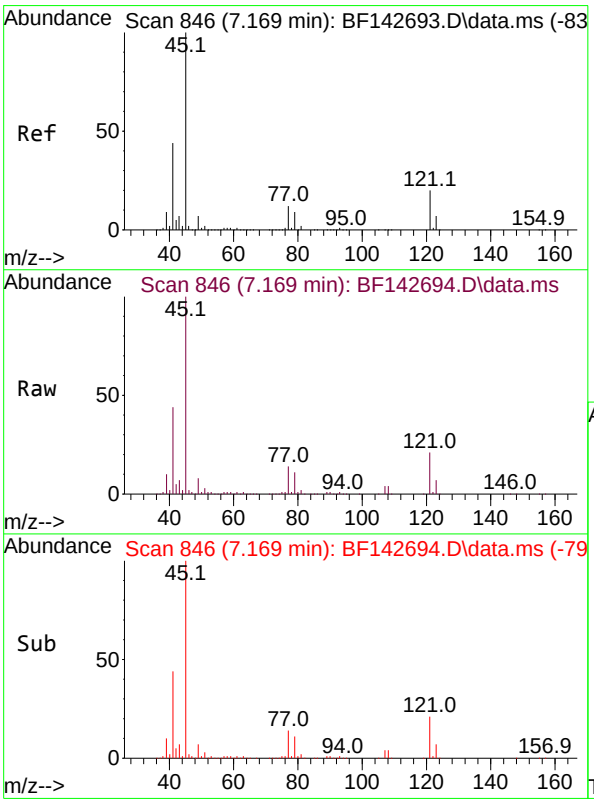
#15
Benzyl Alcohol
Concen: 54.171 ng
RT: 7.040 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 264629

Ion	Ratio	Lower	Upper
79	100		
108	80.8	64.8	97.2
77	62.2	49.4	74.2

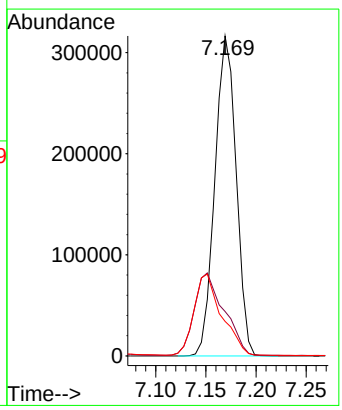


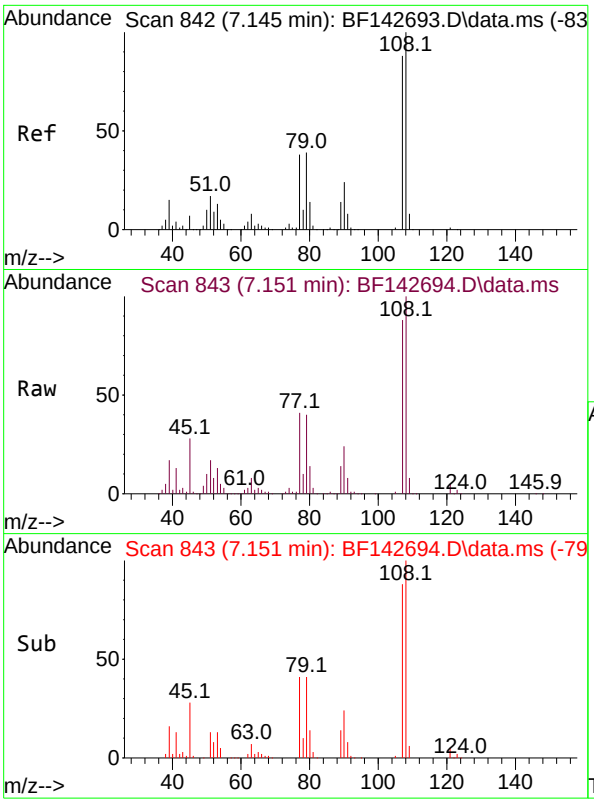


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.764 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 45 Resp: 468094

Ion	Ratio	Lower	Upper
45	100		
77	13.9	0.0	32.8
79	10.8	0.0	30.3



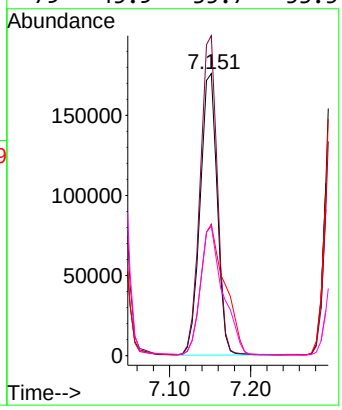


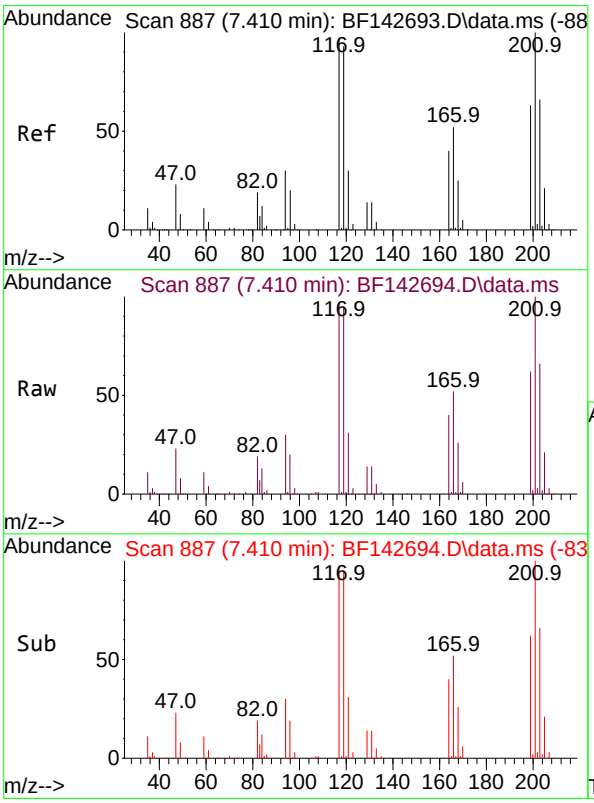
#17
2-Methylphenol
Concen: 54.059 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 257552

Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.0	136.4
77	46.6	34.9	52.3
79	45.9	35.7	53.5

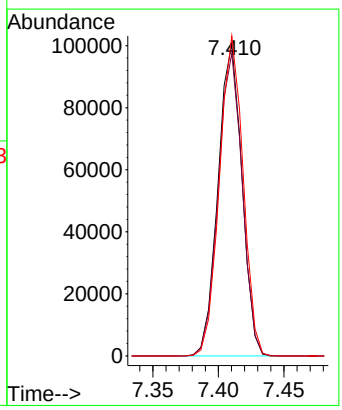


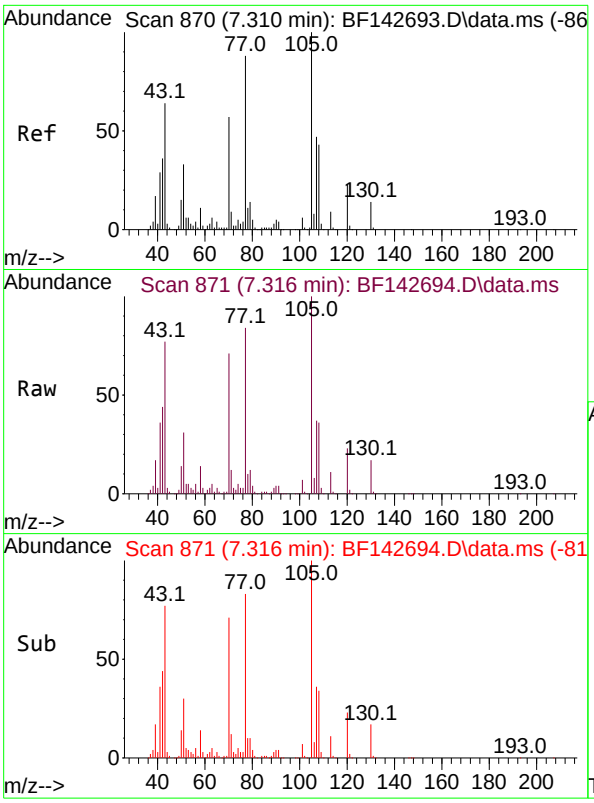


#18
Hexachloroethane
Concen: 52.110 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:117 Resp: 127368

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.1	115.7
201	102.7	82.6	123.8



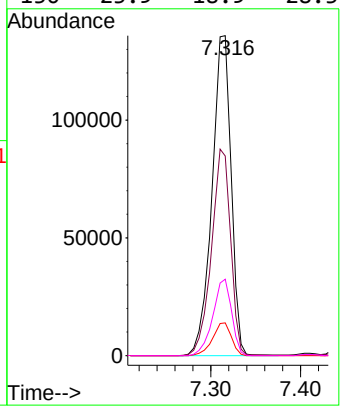


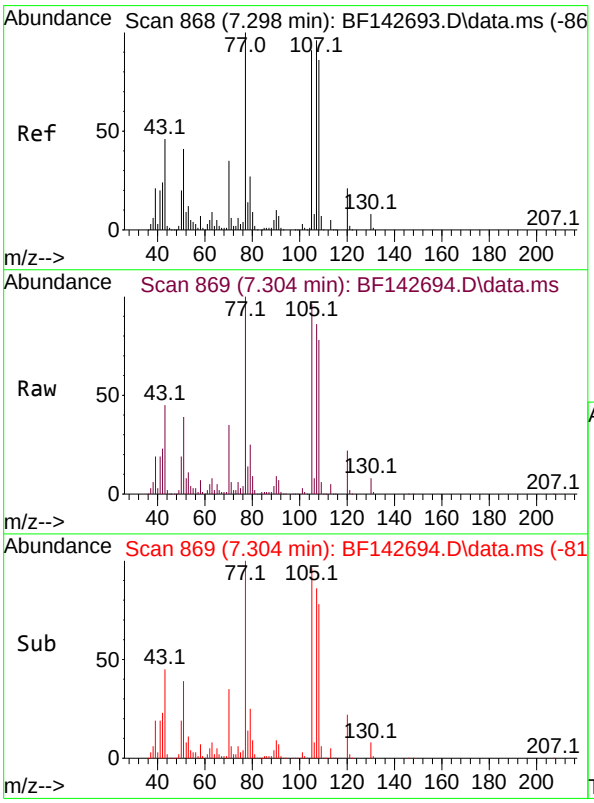
#19
n-Nitroso-di-n-propylamine
Concen: 51.740 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 202549

Ion	Ratio	Lower	Upper
70	100		
42	62.4	50.1	75.1
101	10.2	8.1	12.1
130	23.9	18.9	28.3

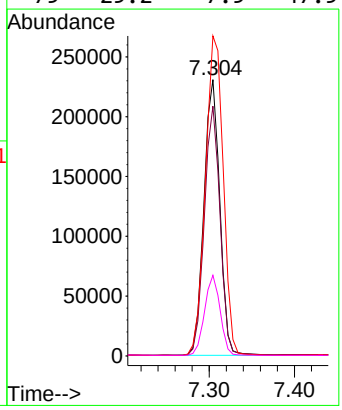


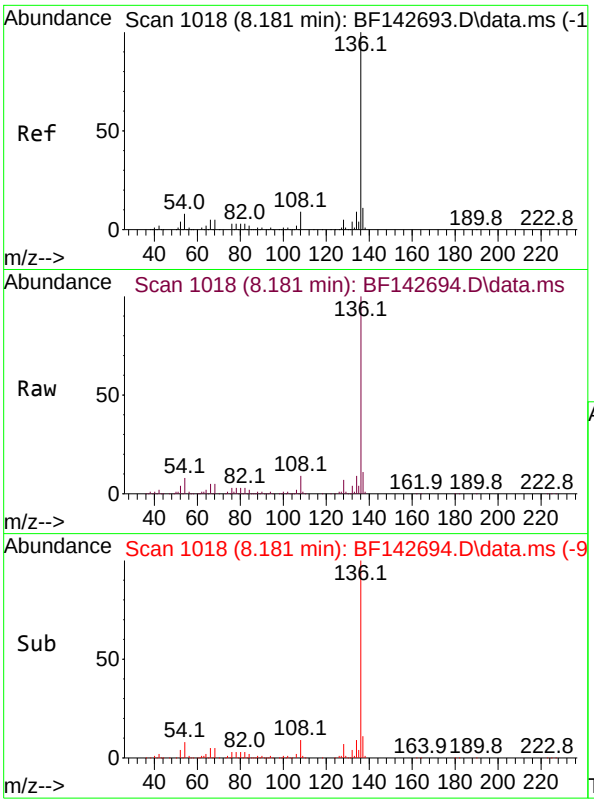


#20
3+4-Methylphenols
Concen: 50.791 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:107 Resp: 298018

Ion	Ratio	Lower	Upper
107	100		
108	90.4	69.5	109.5
77	115.8	83.6	123.6
79	29.2	7.9	47.9



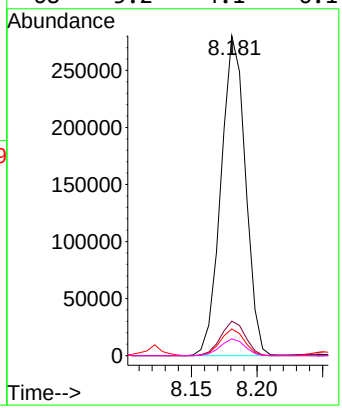


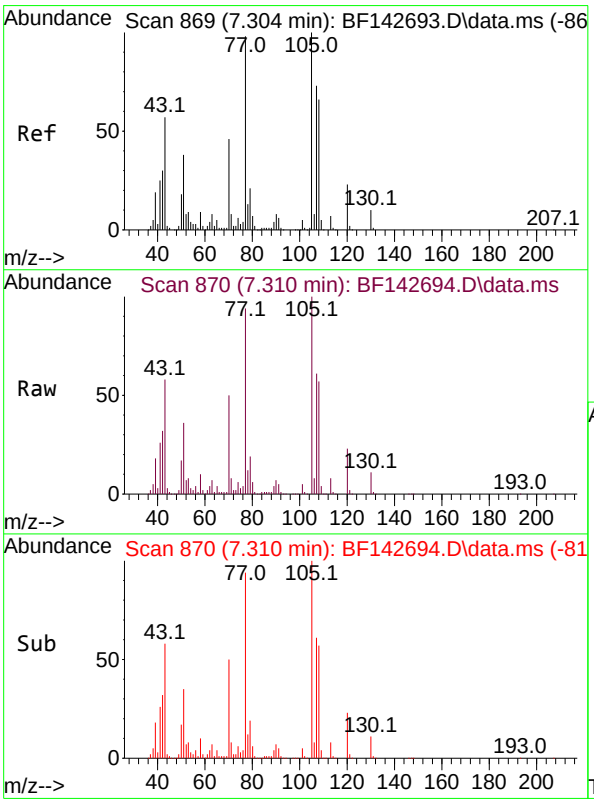
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 364856

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.3	6.4	9.6
68	5.2	4.1	6.1

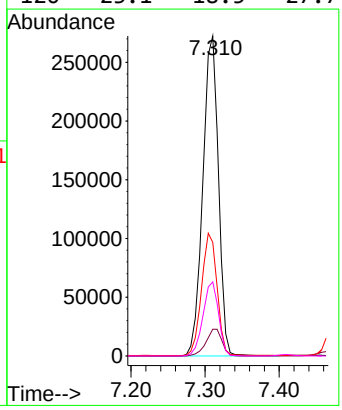


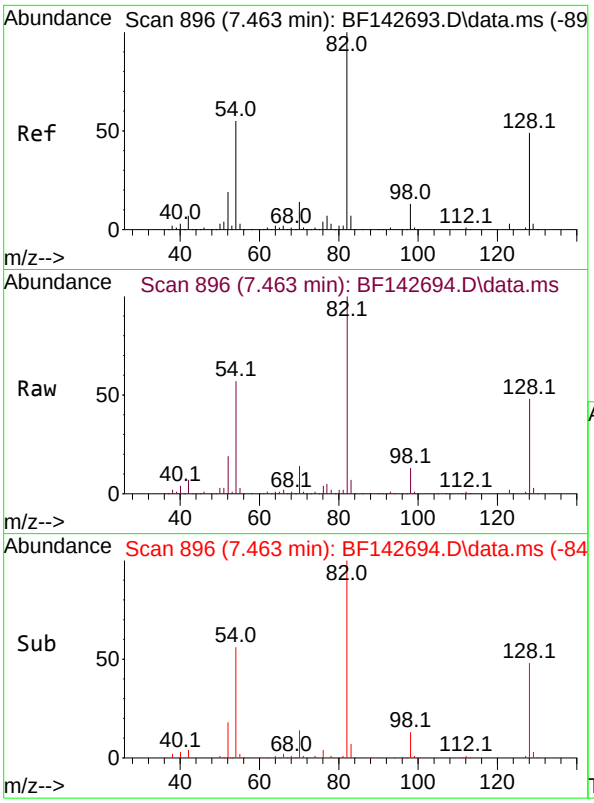


#22
Acetophenone
Concen: 49.939 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:105 Resp: 398297

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.2	9.2
51	35.5	30.8	46.2
120	23.1	18.5	27.7



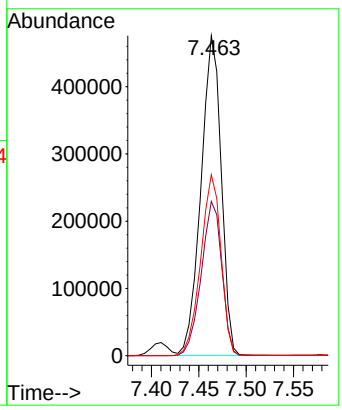


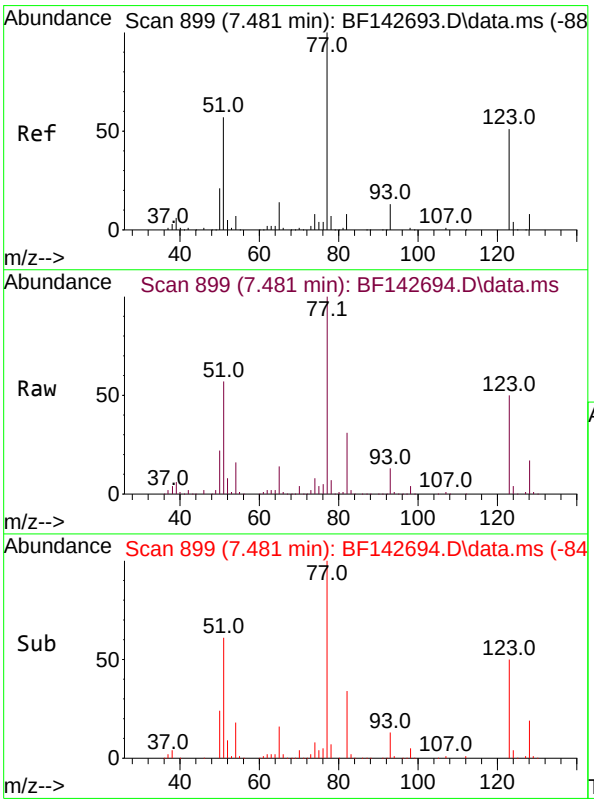
#23
Nitrobenzene-d5
Concen: 106.666 ng
RT: 7.463 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 708154

Ion	Ratio	Lower	Upper
82	100		
128	48.2	39.3	58.9
54	56.5	44.2	66.2

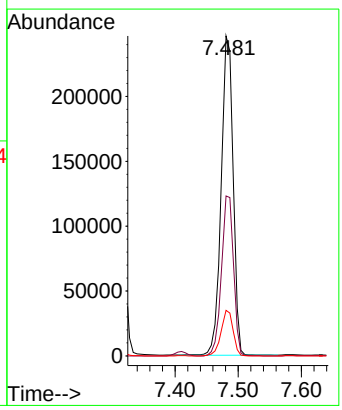


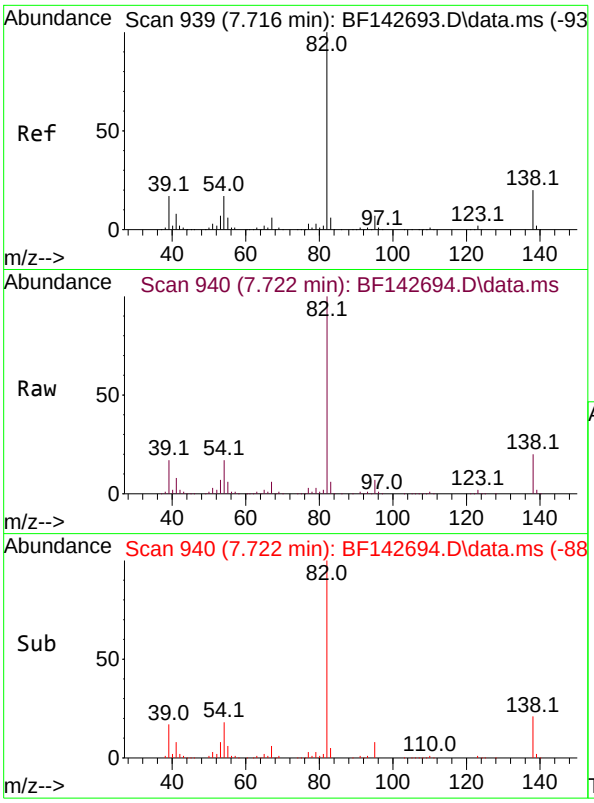


#24
Nitrobenzene
Concen: 54.110 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 77 Resp: 323976

Ion	Ratio	Lower	Upper
77	100		
123	50.0	41.3	61.9
65	14.3	11.2	16.8



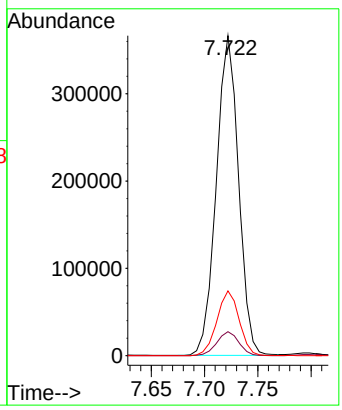


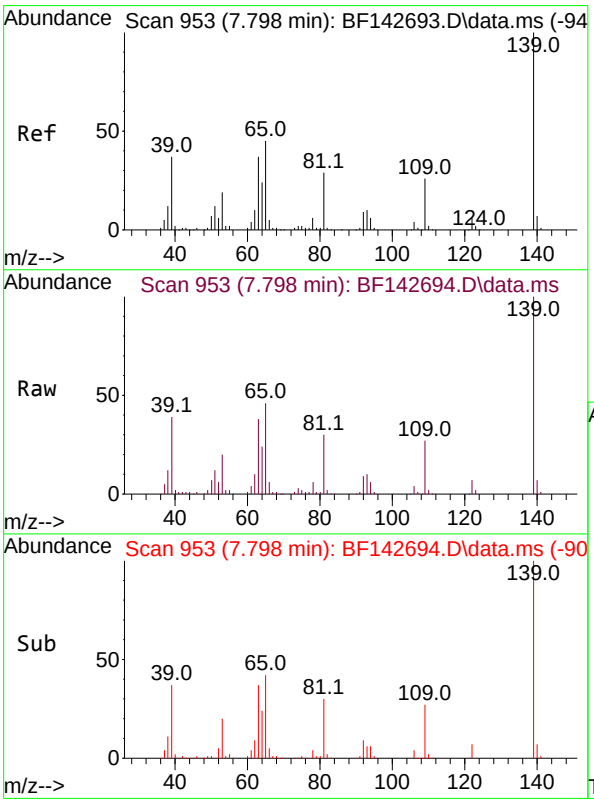
#25
Isophorone
Concen: 49.427 ng
RT: 7.722 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 532384

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	20.3	16.1	24.1

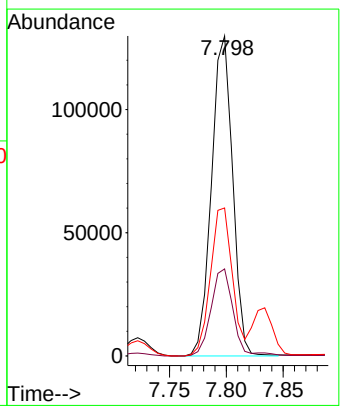


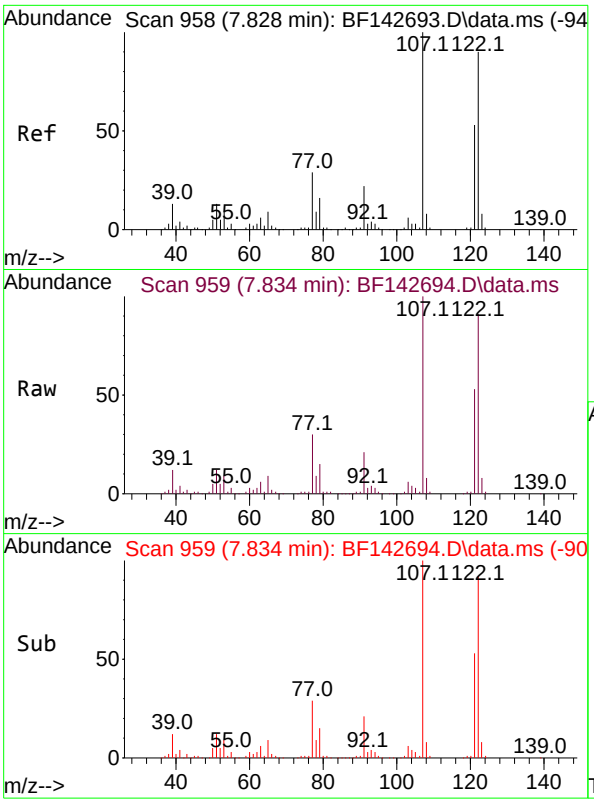


#26
2-Nitrophenol
Concen: 50.870 ng
RT: 7.798 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:139 Resp: 168006

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.0	31.6
65	46.2	36.2	54.2



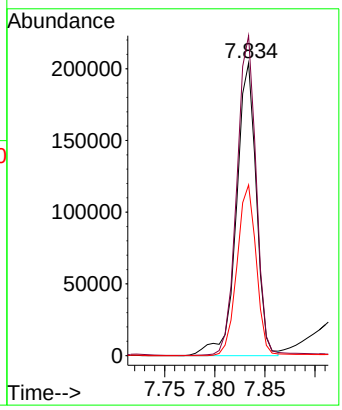


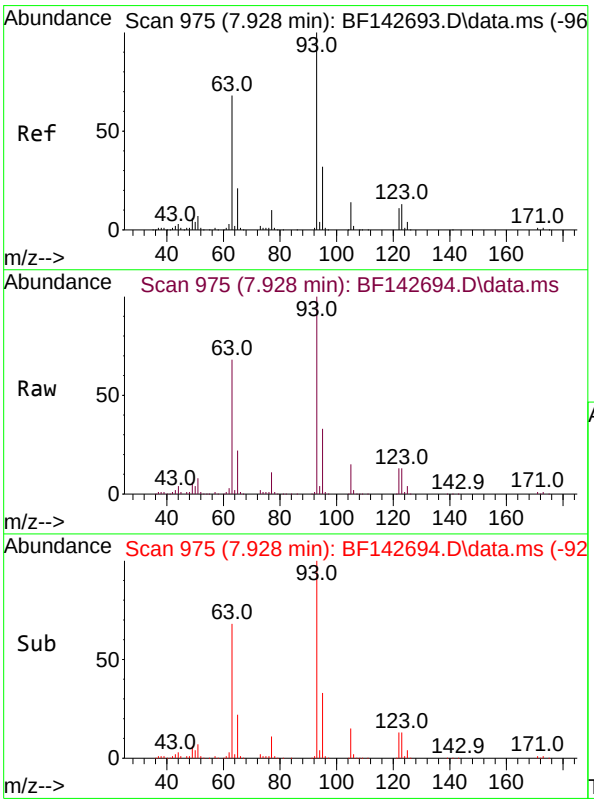
#27
2,4-Dimethylphenol
Concen: 50.108 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 281251

Ion	Ratio	Lower	Upper
122	100		
107	109.3	89.4	134.2
121	58.3	47.1	70.7

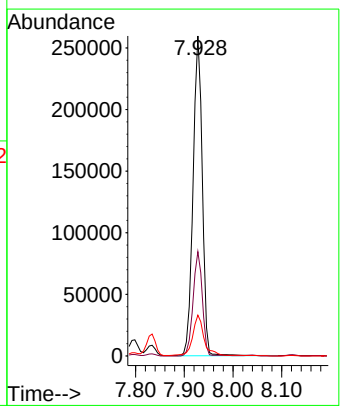


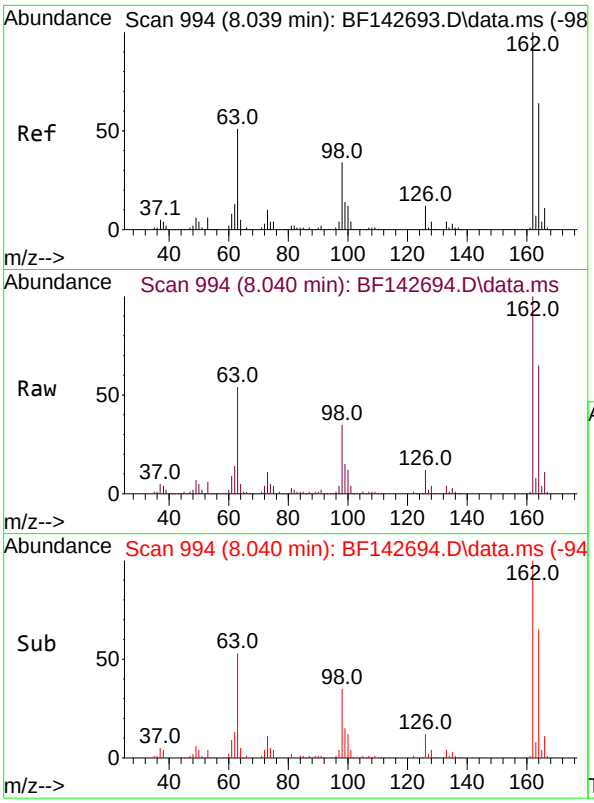


#28
bis(2-Chloroethoxy)methane
Concen: 50.412 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 93 Resp: 340565

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.2
123	12.7	10.5	15.7



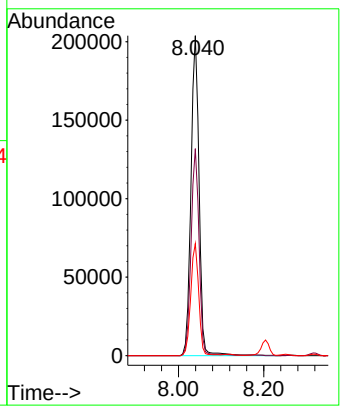


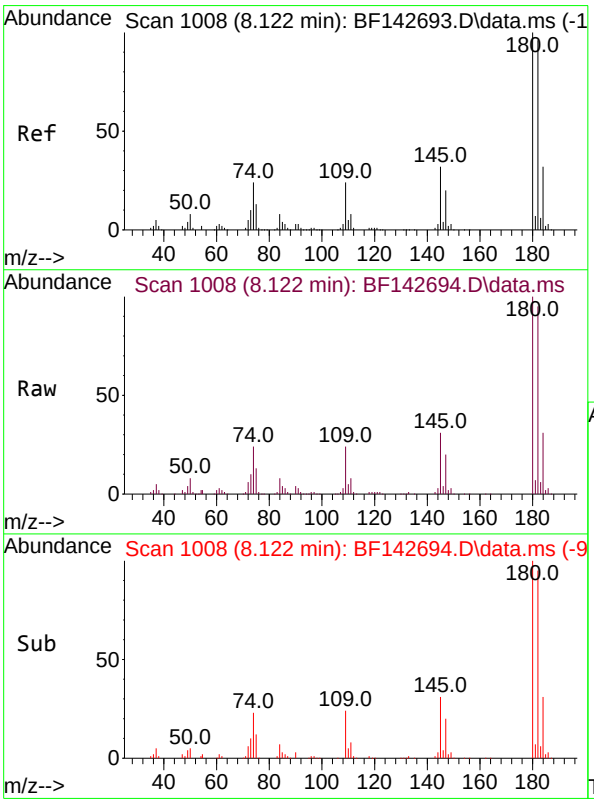
#29
2,4-Dichlorophenol
Concen: 52.358 ng
RT: 8.040 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 269230

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.0	84.0
98	35.0	14.4	54.4

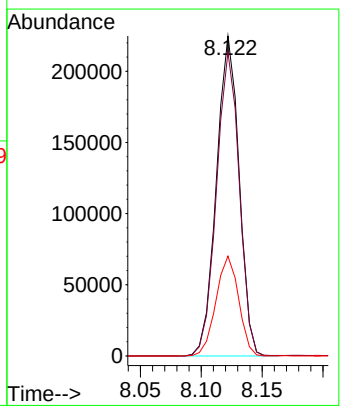


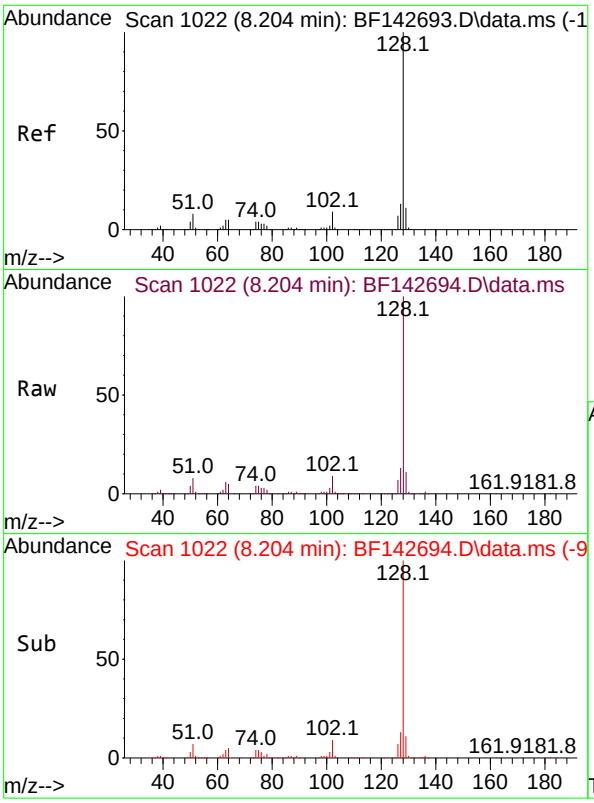


#30
1,2,4-Trichlorobenzene
Concen: 51.995 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:180 Resp: 291633

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	31.2	25.4	38.0



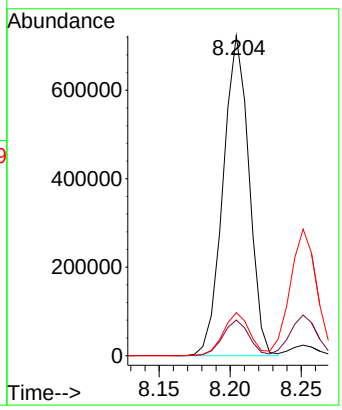


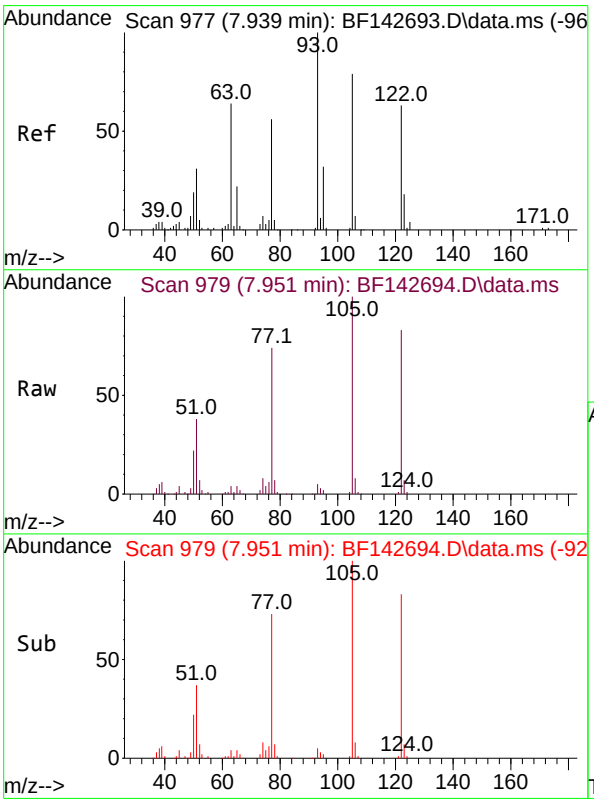
#31
Naphthalene
Concen: 51.011 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 917133

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.4	10.6	15.8

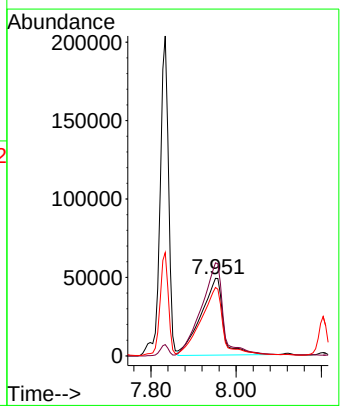


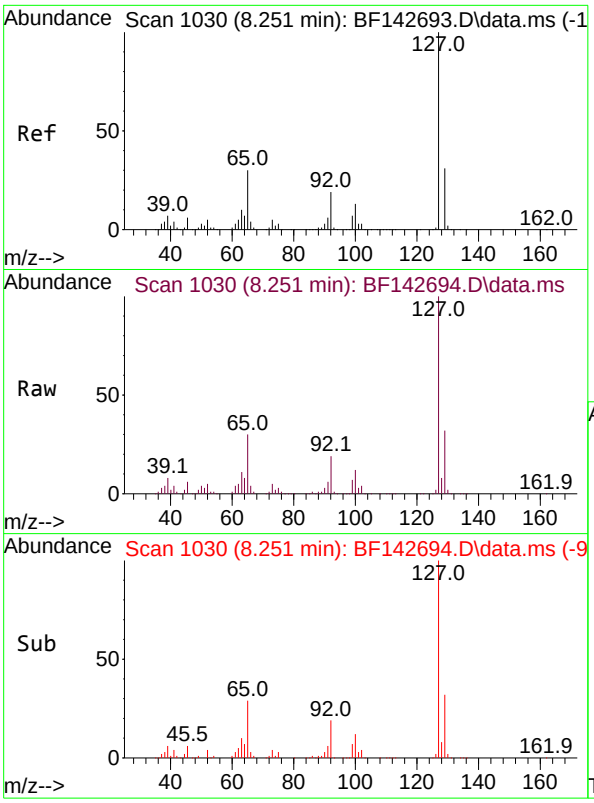


#32
Benzoic acid
Concen: 52.493 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.012 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:122 Resp: 178868

Ion	Ratio	Lower	Upper
122	100		
105	119.9	100.3	140.3
77	88.2	67.9	107.9



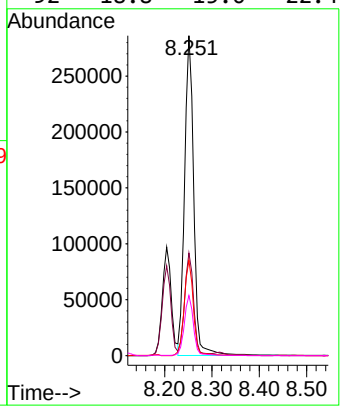


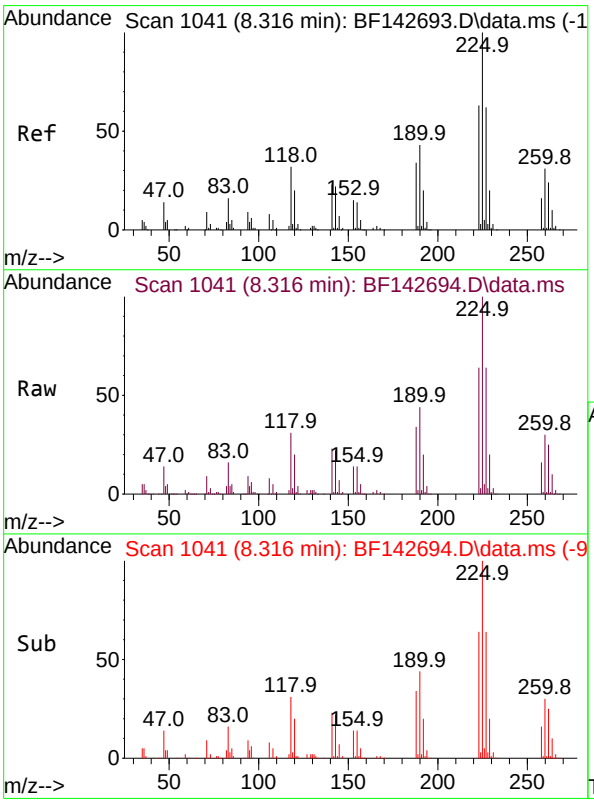
#33
4-Chloroaniline
Concen: 51.968 ng
RT: 8.251 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 384120

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	29.8	23.8	35.6
92	18.8	15.0	22.4

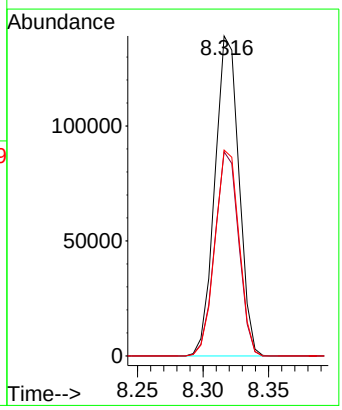


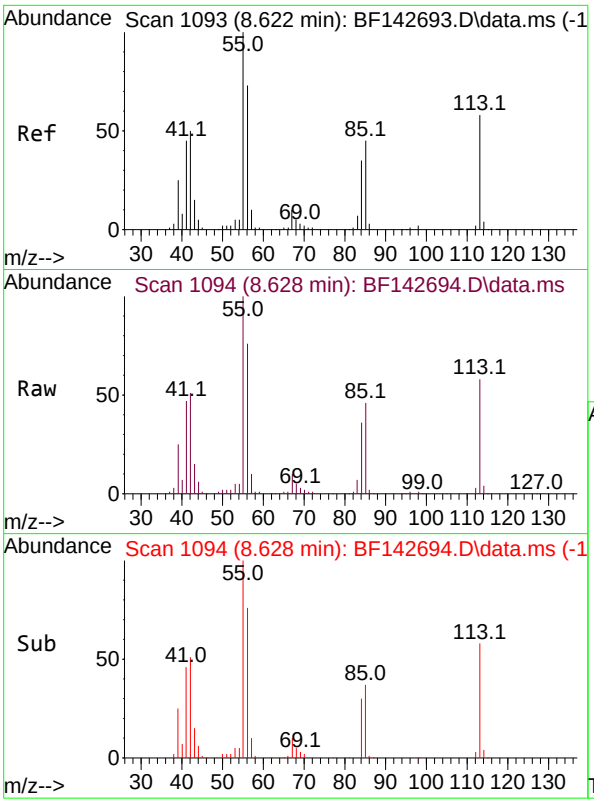


#34
Hexachlorobutadiene
Concen: 51.478 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:225 Resp: 177827

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.7	76.1
227	64.3	49.8	74.8



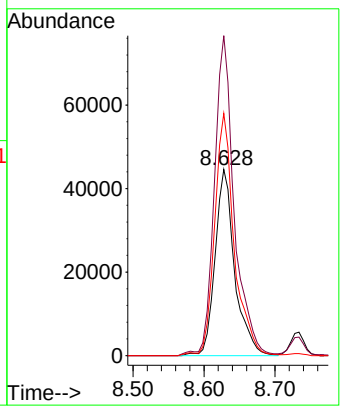


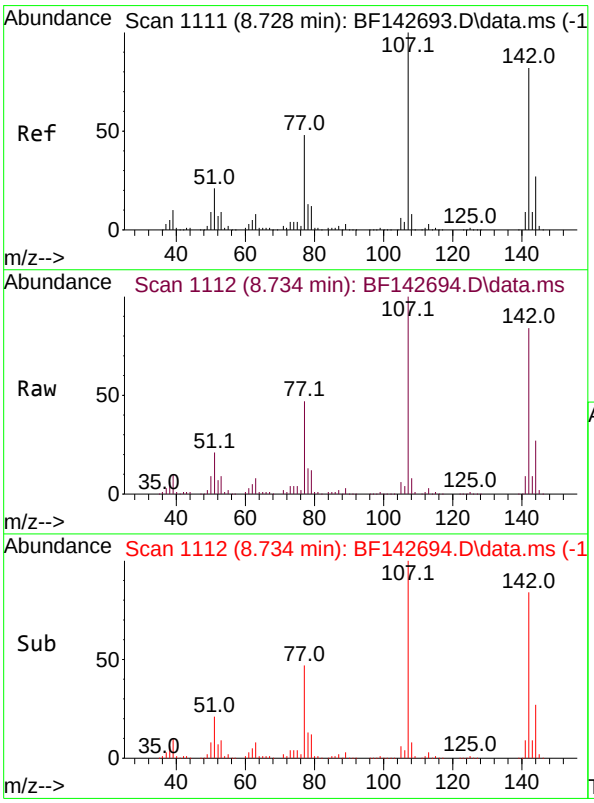
#35
Caprolactam
Concen: 54.233 ng
RT: 8.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 85655

Ion	Ratio	Lower	Upper
113	100		
55	171.9	152.9	192.9
56	130.0	106.6	146.6

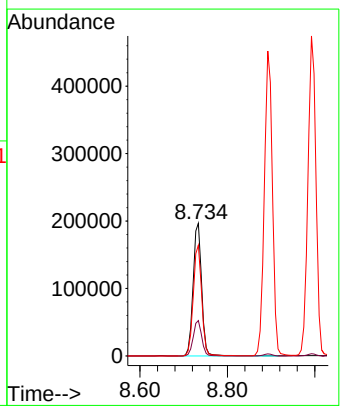


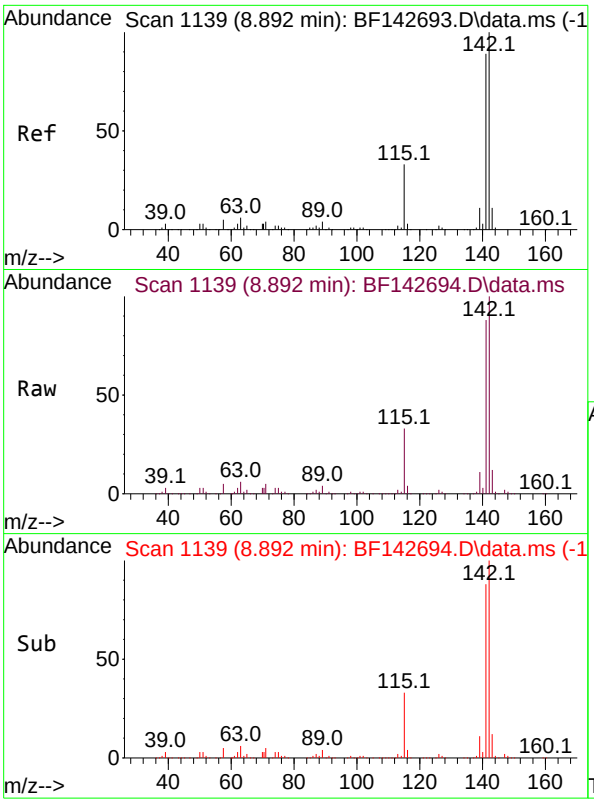


#36
4-Chloro-3-methylphenol
Concen: 50.121 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:107 Resp: 265845

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.5	32.3
142	83.6	65.5	98.3



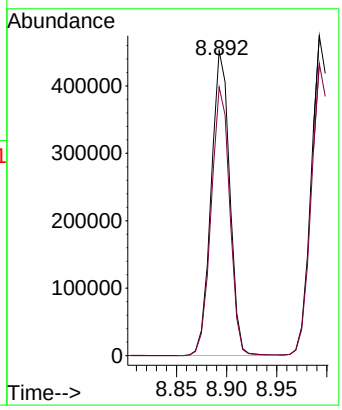


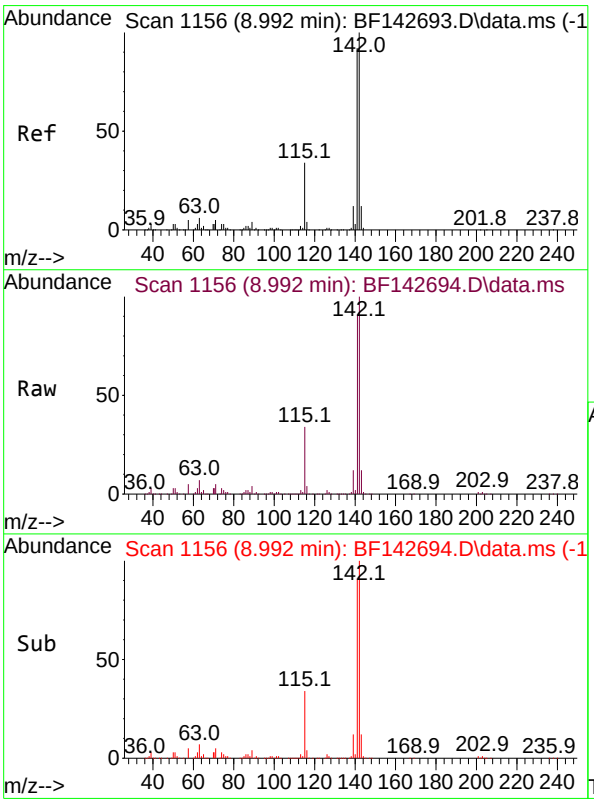
#37
2-Methylnaphthalene
Concen: 51.373 ng
RT: 8.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 581176

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2

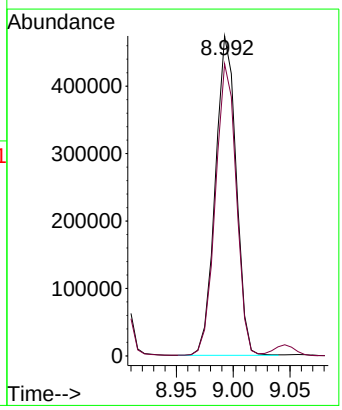


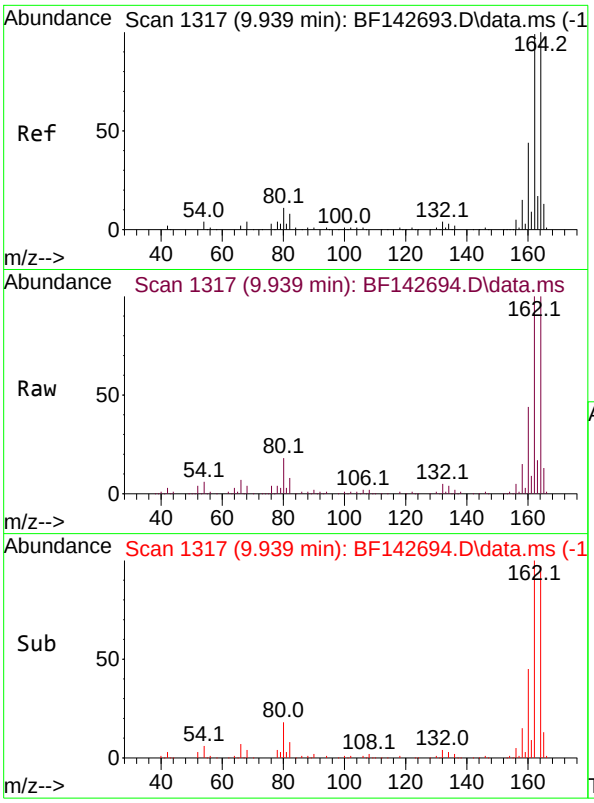


#38
1-Methylnaphthalene
Concen: 51.540 ng
RT: 8.992 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:142 Resp: 603788

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.7	110.5



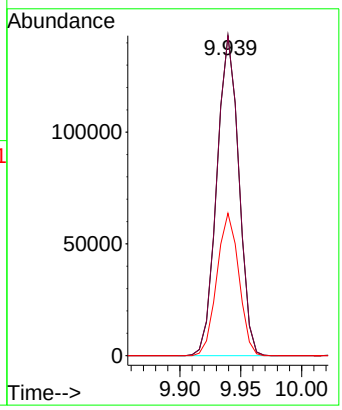


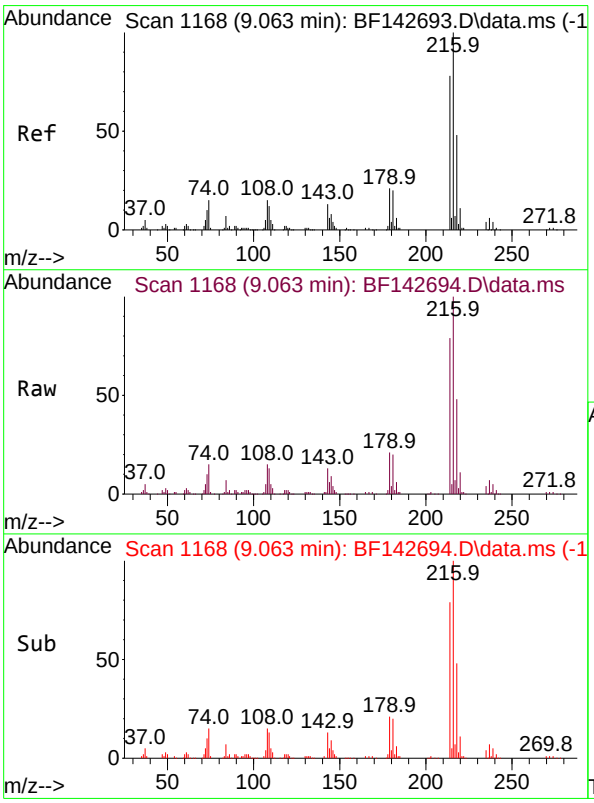
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 178880

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.1	118.7
160	44.5	35.4	53.0

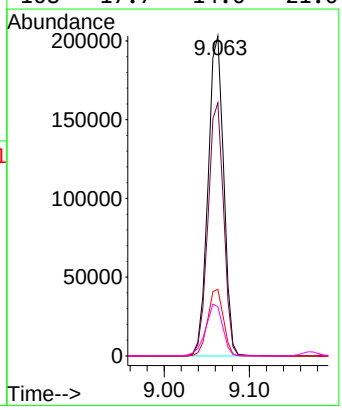


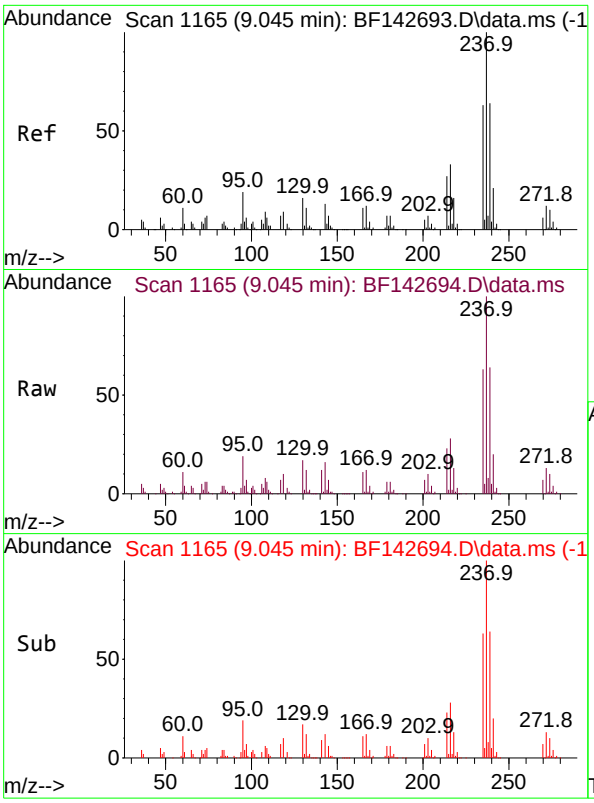


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.034 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:216 Resp: 258649

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.6
179	20.9	16.6	25.0
108	17.7	14.0	21.0



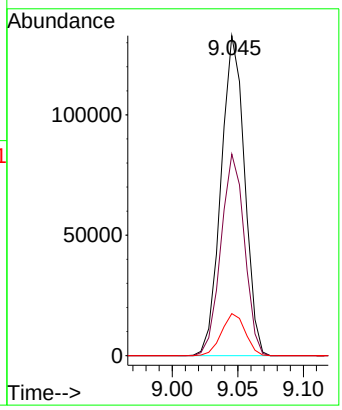


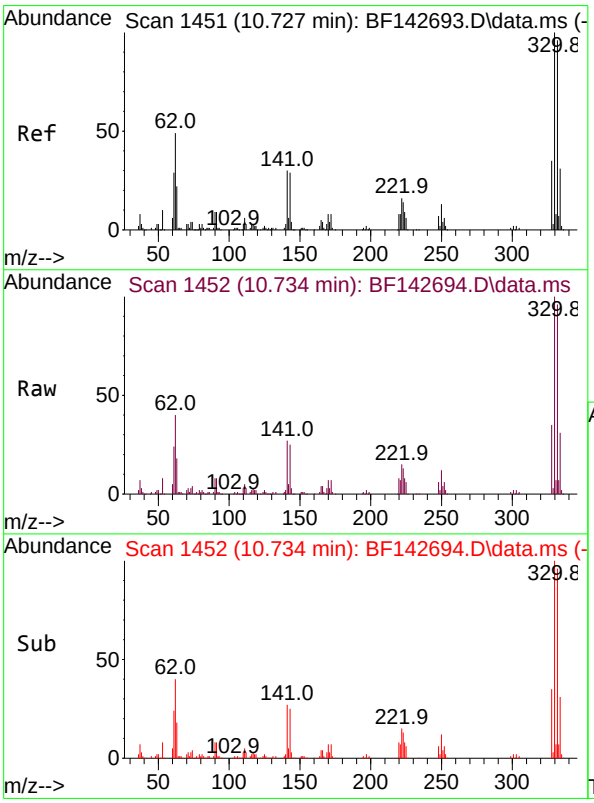
#41
Hexachlorocyclopentadiene
Concen: 54.789 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 166328

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.1	83.1
272	13.1	0.0	32.5

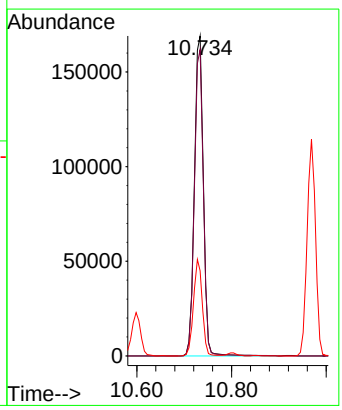


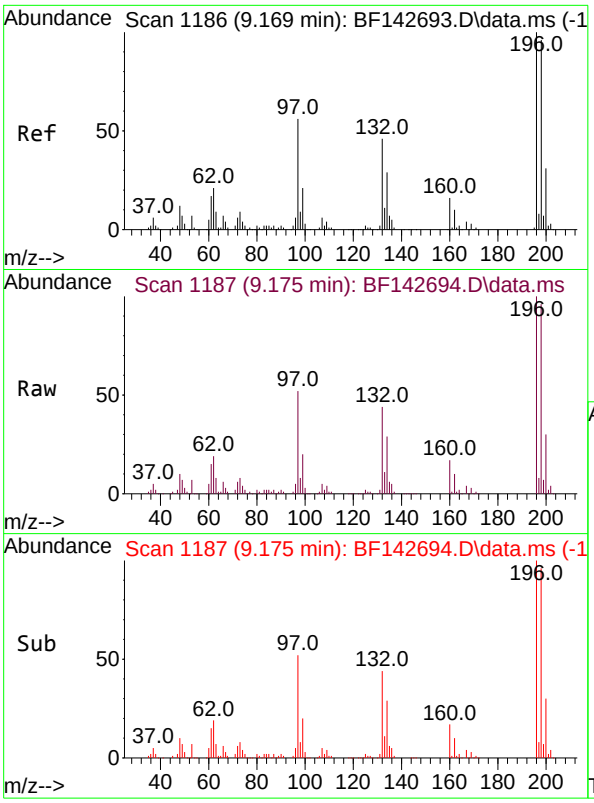


#42
2,4,6-Tribromophenol
Concen: 110.601 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:330 Resp: 222280

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	29.5	23.5	35.3



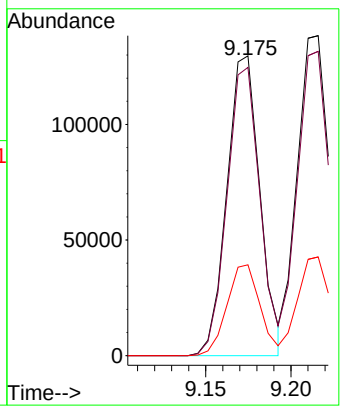


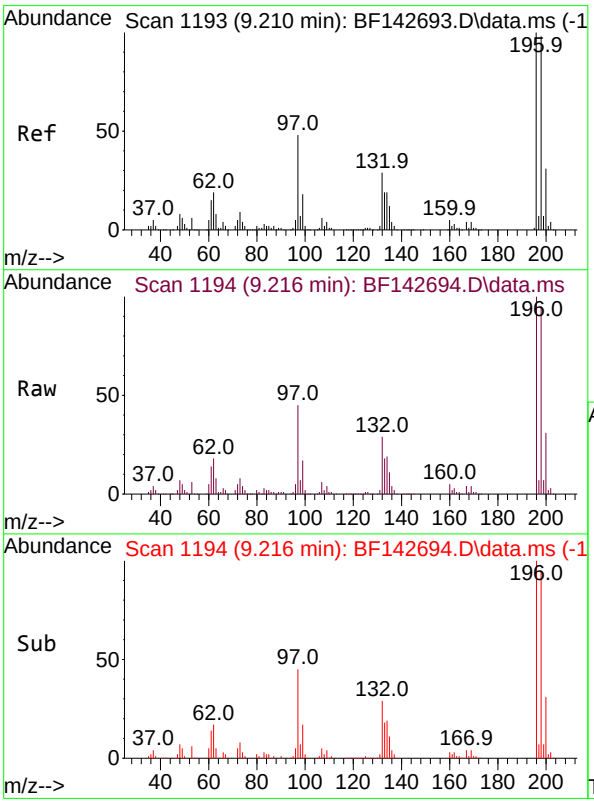
#43
2,4,6-Trichlorophenol
Concen: 51.503 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 174699

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.1	115.7
200	30.3	24.5	36.7

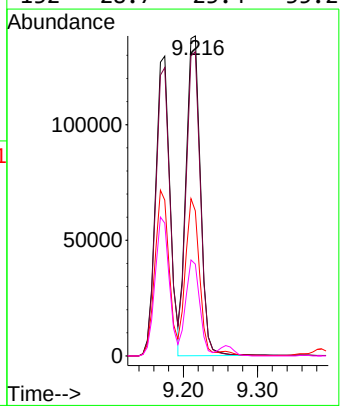


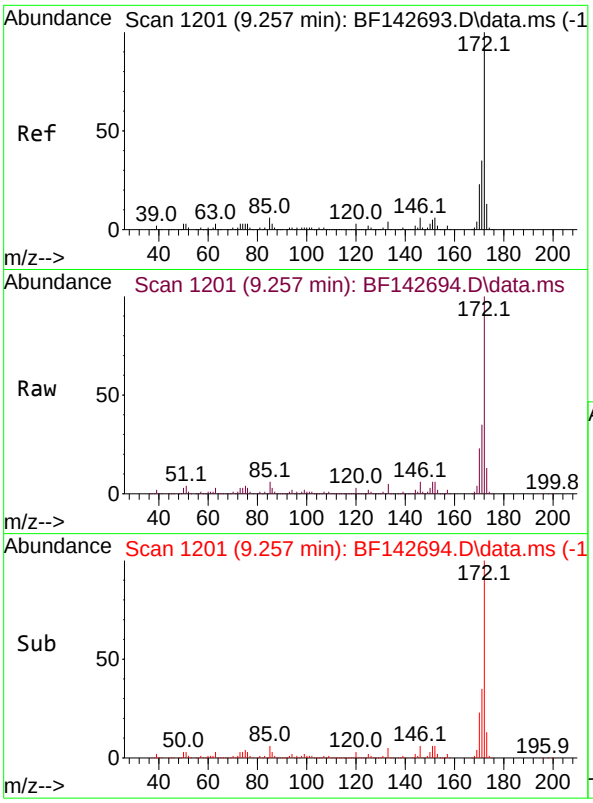


#44
2,4,5-Trichlorophenol
Concen: 51.492 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:196 Resp: 186556

Ion	Ratio	Lower	Upper
196	100		
198	95.1	78.2	117.2
97	45.3	39.2	58.8
132	28.7	23.4	35.2



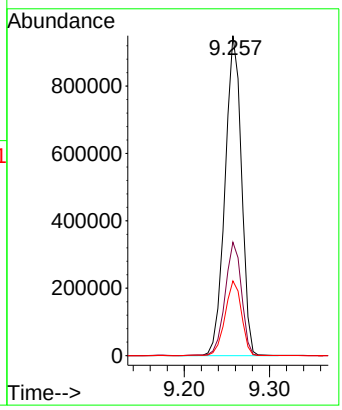


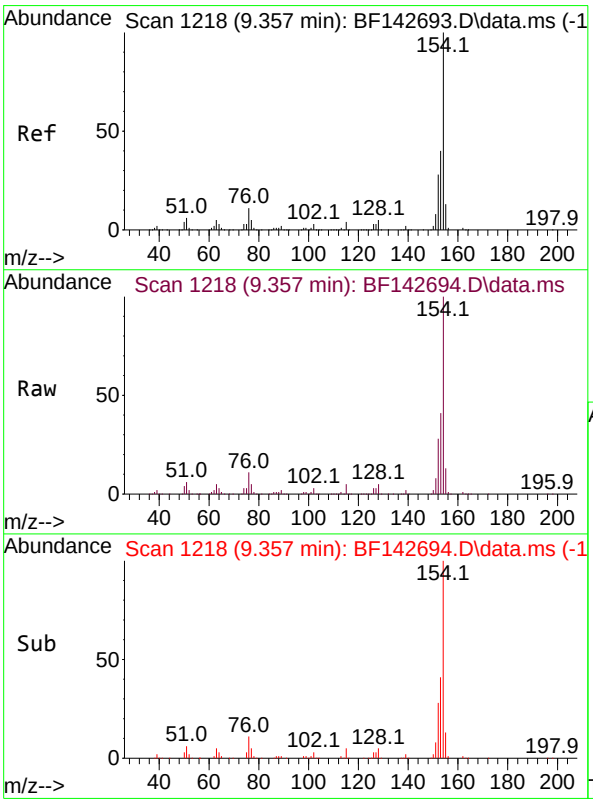
#45
2-Fluorobiphenyl
Concen: 97.327 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1273047

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.3	18.7	28.1

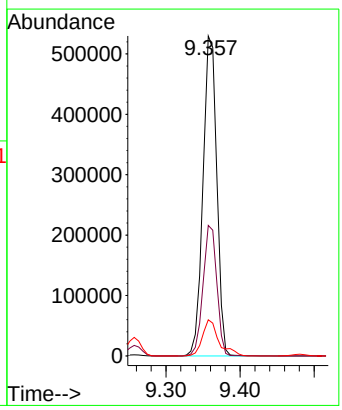


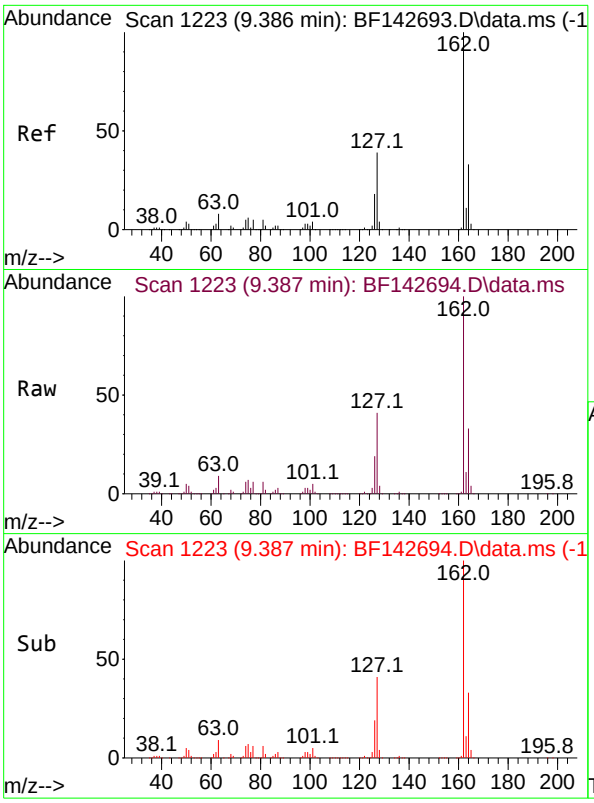


#46
1,1'-Biphenyl
Concen: 49.203 ng
RT: 9.357 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:154 Resp: 684395

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	11.3	0.0	31.4



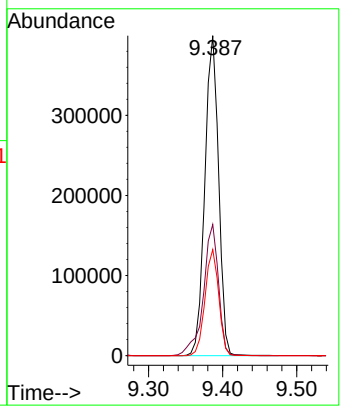


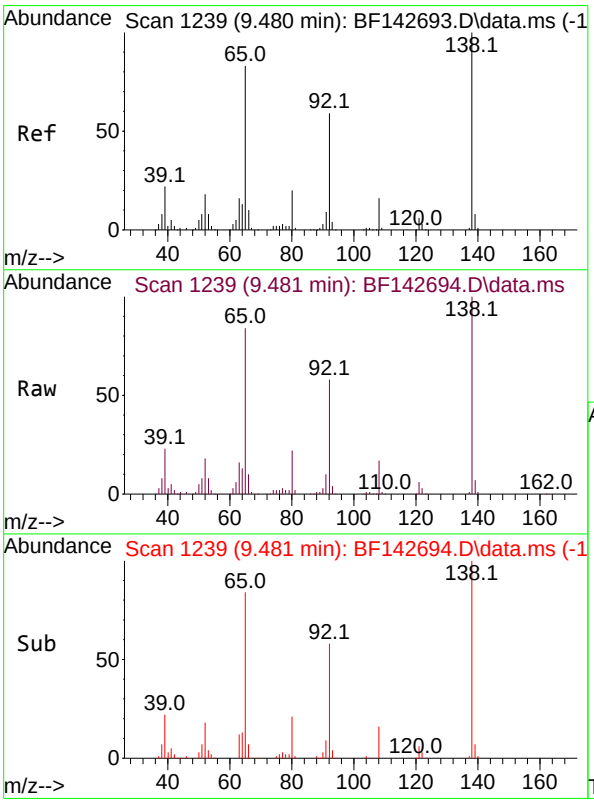
#47
2-Chloronaphthalene
Concen: 49.329 ng
RT: 9.387 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 514112

Ion	Ratio	Lower	Upper
162	100		
127	41.0	31.7	47.5
164	33.2	26.2	39.4

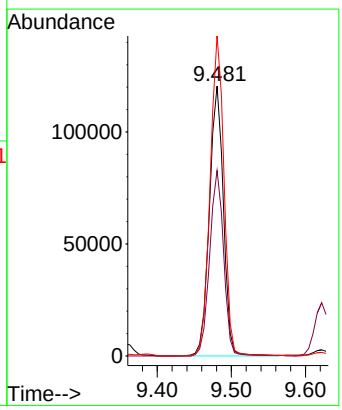


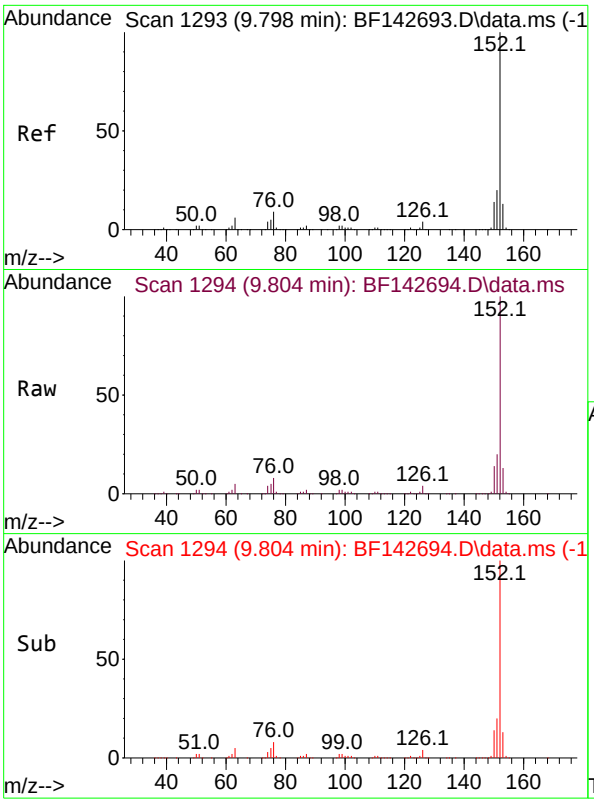


#48
2-Nitroaniline
Concen: 51.248 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion: 65 Resp: 158939

Ion	Ratio	Lower	Upper
65	100		
92	68.7	56.3	84.5
138	118.6	95.9	143.9



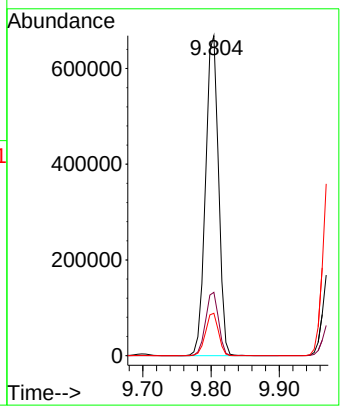


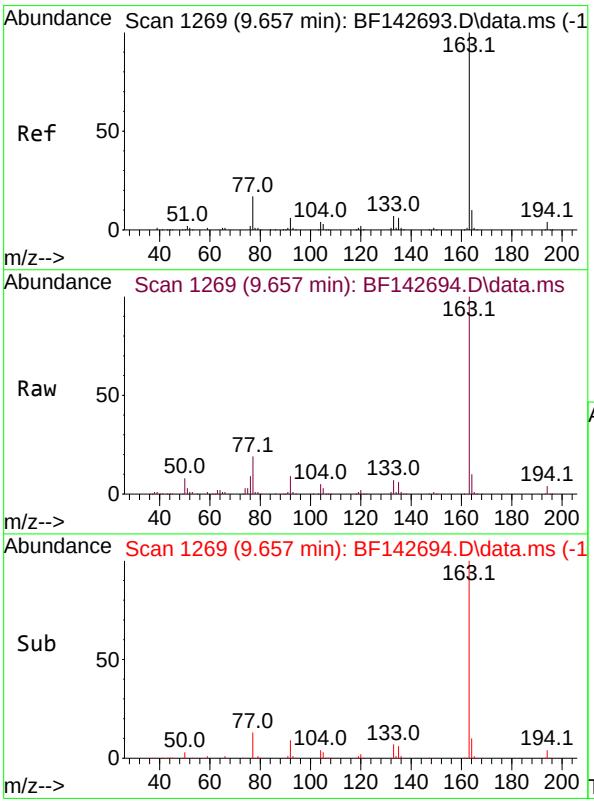
#49
Acenaphthylene
Concen: 51.270 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 885603

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.2	10.5	15.7

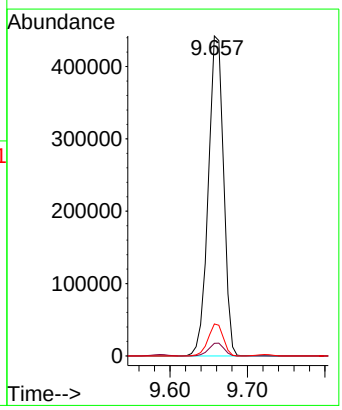


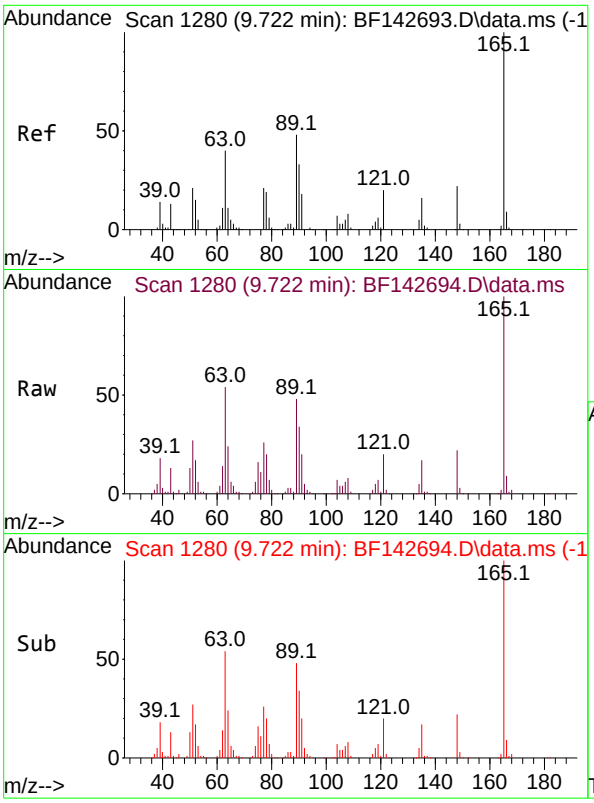


#50
Dimethylphthalate
Concen: 50.352 ng
RT: 9.657 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:163 Resp: 606003

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	8.1	12.1



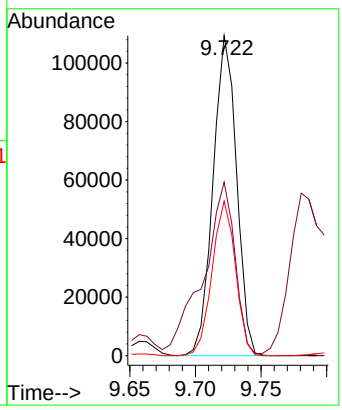


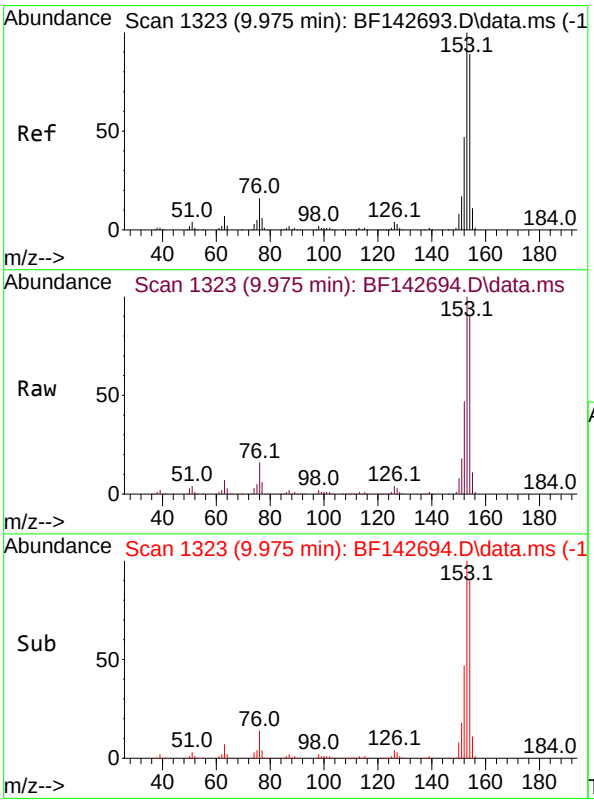
#51
2,6-Dinitrotoluene
Concen: 52.368 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 136340

Ion	Ratio	Lower	Upper
165	100		
63	54.2	41.3	61.9
89	48.2	38.1	57.1

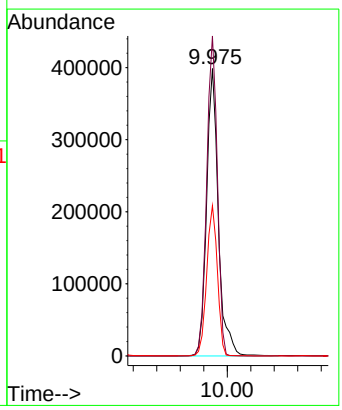


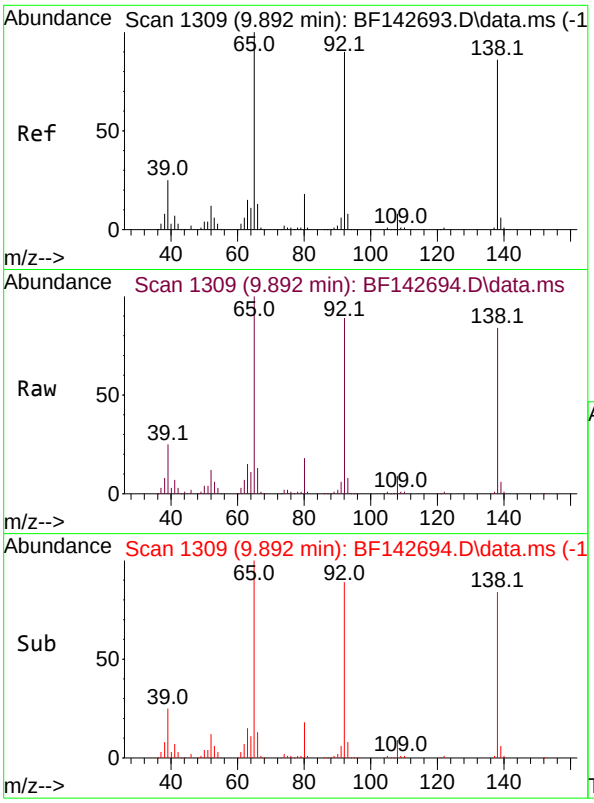


#52
Acenaphthene
Concen: 52.388 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:154 Resp: 553566

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.5	134.3
152	52.3	41.8	62.8



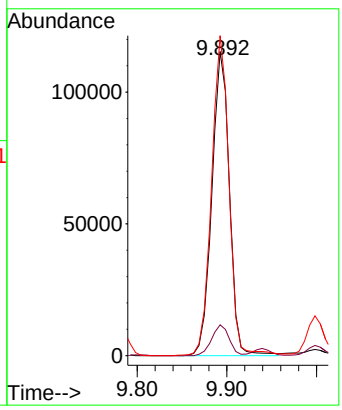


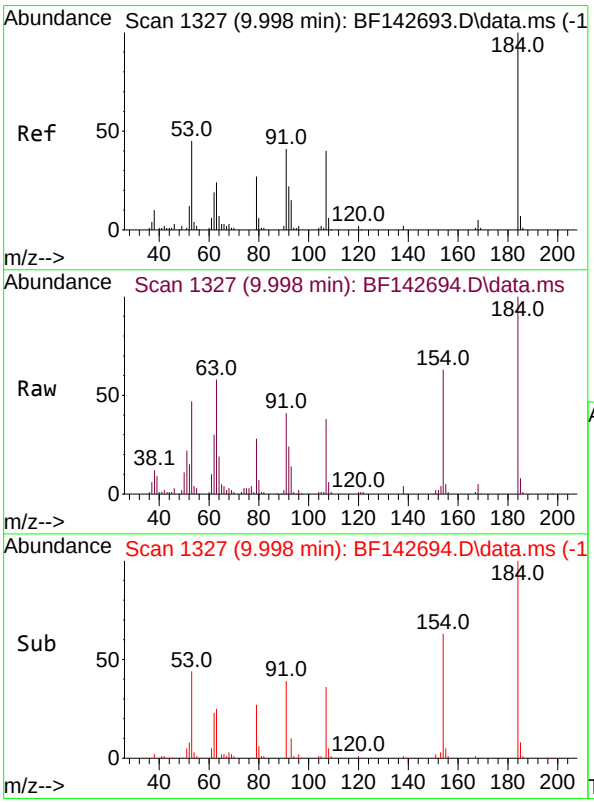
#53
3-Nitroaniline
Concen: 53.529 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 156592

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.7	11.5
92	105.2	83.4	125.0

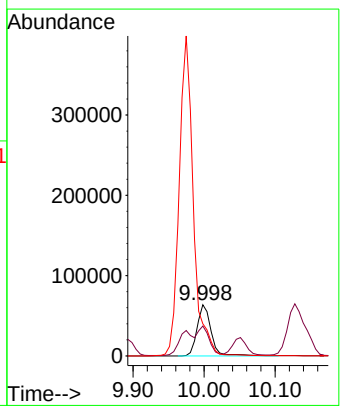


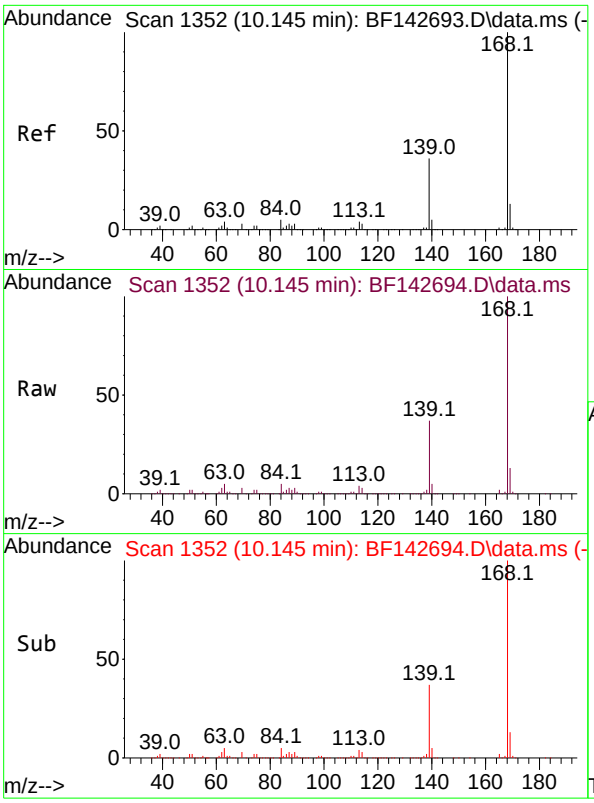


#54
2,4-Dinitrophenol
Concen: 59.872 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:184 Resp: 86301

Ion	Ratio	Lower	Upper
184	100		
63	58.4	47.4	71.0
154	62.9	48.6	73.0



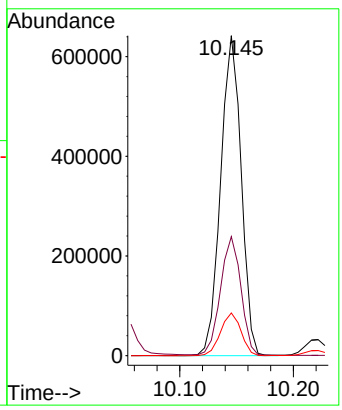


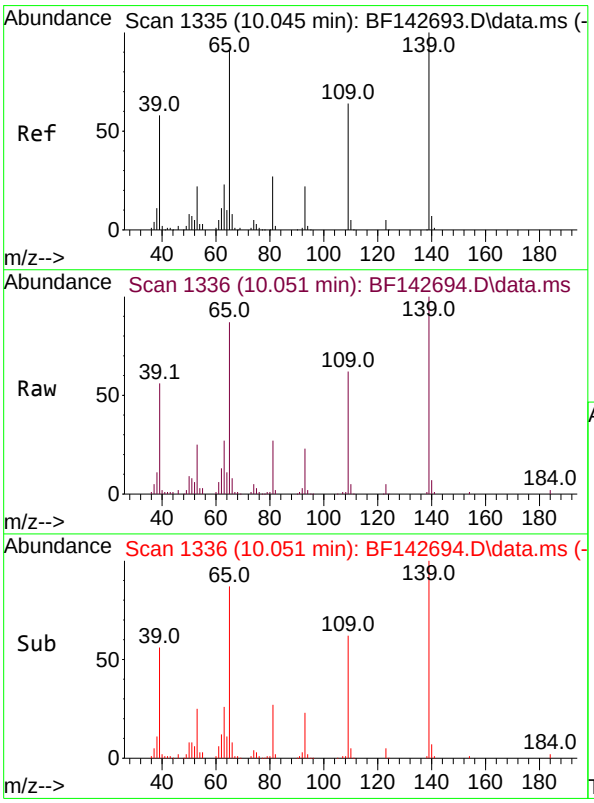
#55
Dibenzofuran
Concen: 53.218 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 806733

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.2	43.8
169	13.3	10.7	16.1

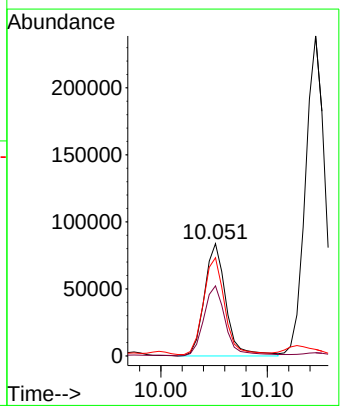


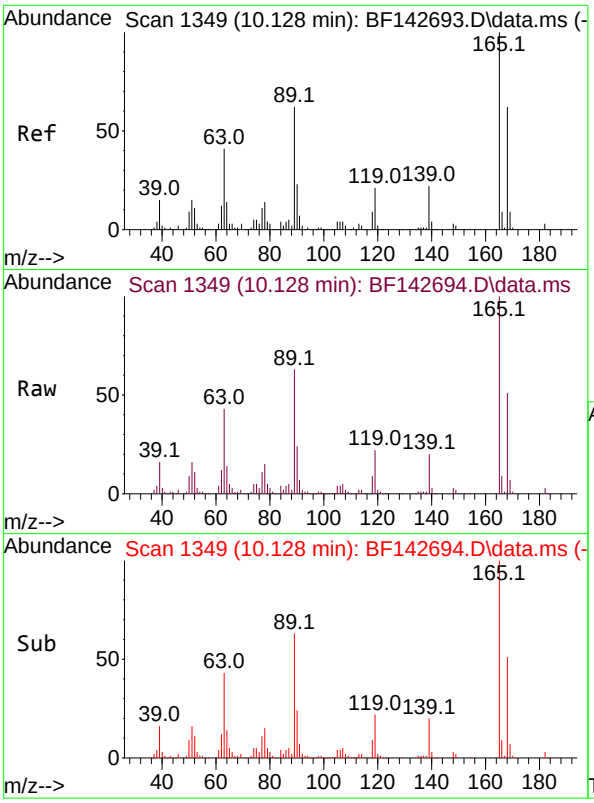


#56
4-Nitrophenol
Concen: 58.279 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:139 Resp: 117184

Ion	Ratio	Lower	Upper
139	100		
109	62.3	44.4	84.4
65	87.5	72.1	112.1



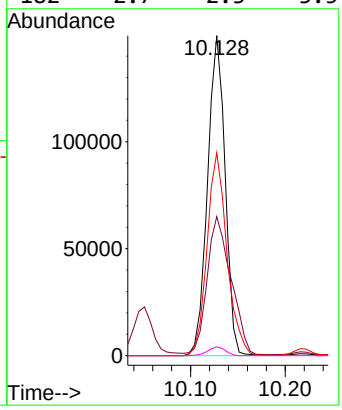


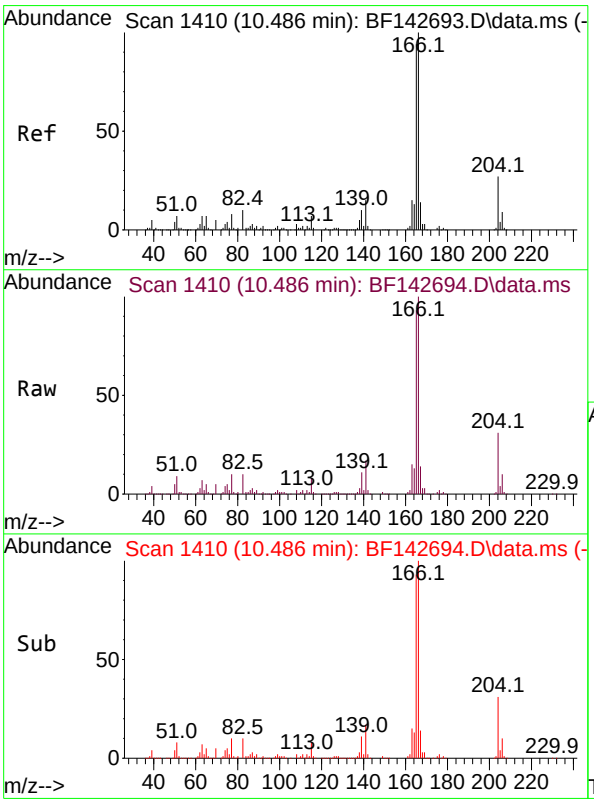
#57
2,4-Dinitrotoluene
Concen: 55.471 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 193583

Ion	Ratio	Lower	Upper
165	100		
63	43.4	33.6	50.4
89	63.4	49.4	74.0
182	2.7	2.3	3.5

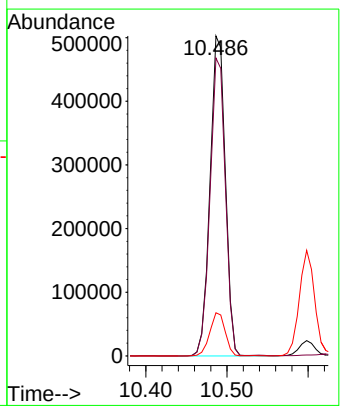


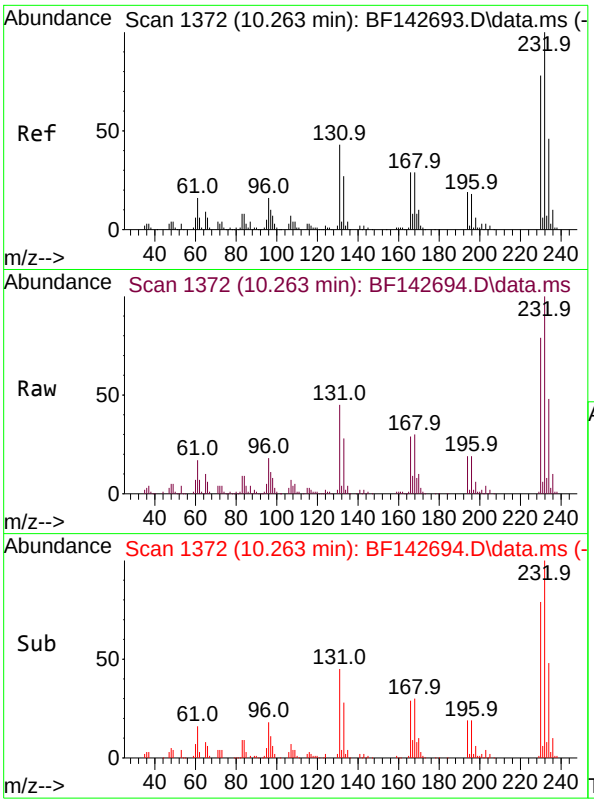


#58
Fluorene
Concen: 54.450 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:166 Resp: 659736

Ion	Ratio	Lower	Upper
166	100		
165	93.1	75.0	112.6
167	13.5	10.8	16.2



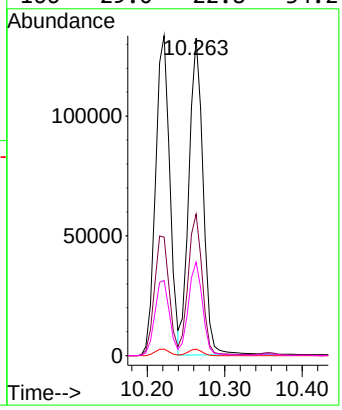


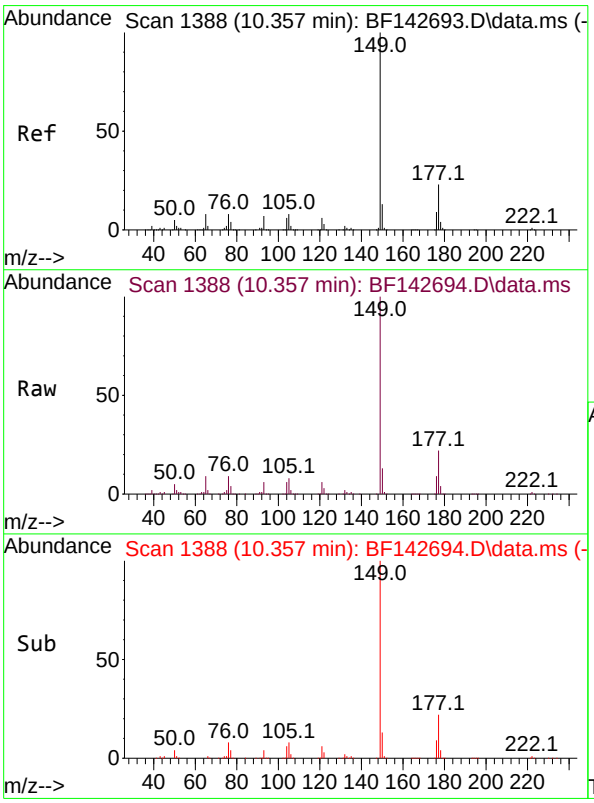
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.194 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 168269

Ion	Ratio	Lower	Upper
232	100		
131	43.8	33.5	50.3
130	2.0	1.5	2.3
166	29.0	22.8	34.2

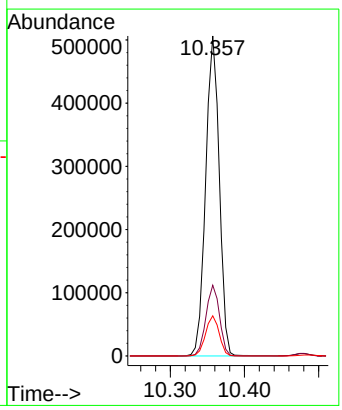


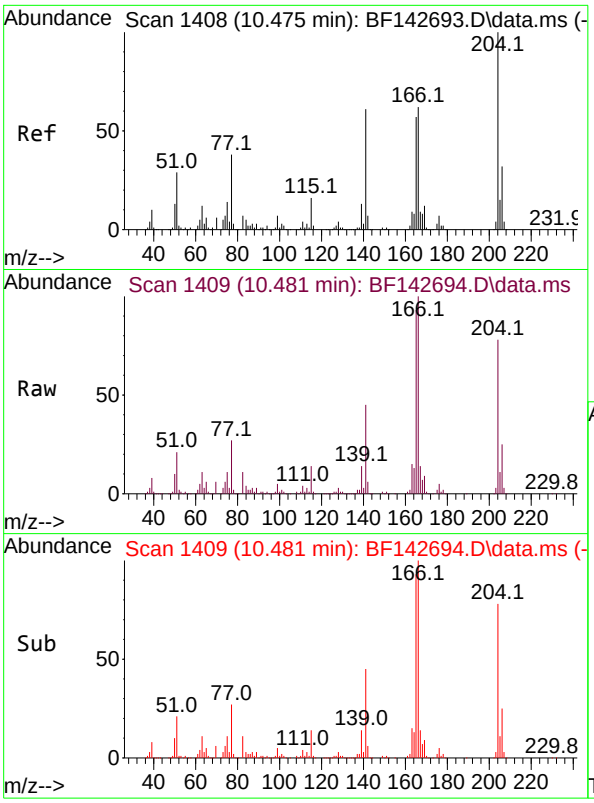


#60
Diethylphthalate
Concen: 55.129 ng
RT: 10.357 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:149 Resp: 644128

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	12.5	10.0	15.0



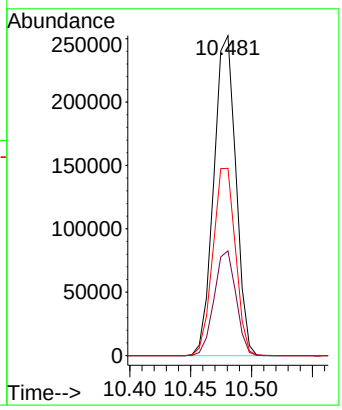


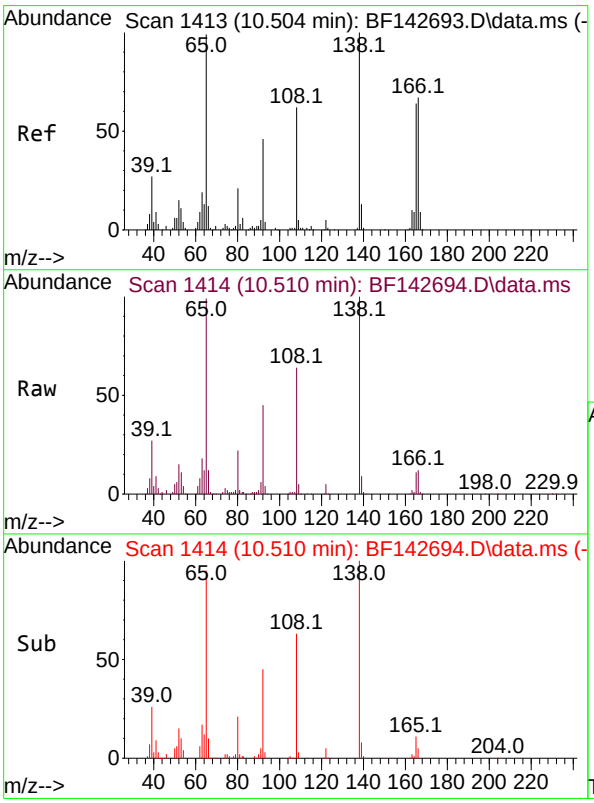
#61
4-Chlorophenyl-phenylether
Concen: 55.685 ng
RT: 10.481 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 318997

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	58.5	48.9	73.3

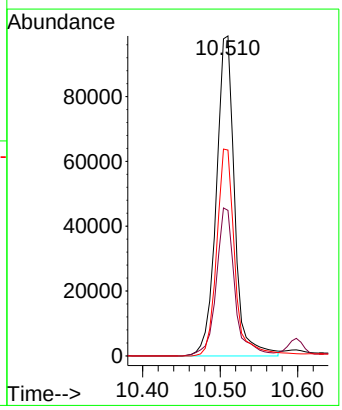


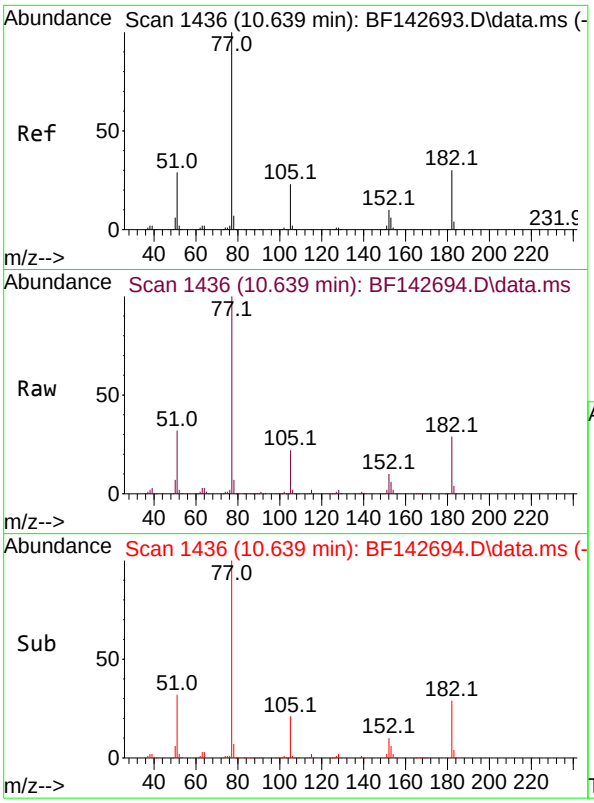


#62
4-Nitroaniline
Concen: 58.424 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:138 Resp: 162130

Ion	Ratio	Lower	Upper
138	100		
92	45.5	25.8	65.8
108	64.3	42.3	82.3



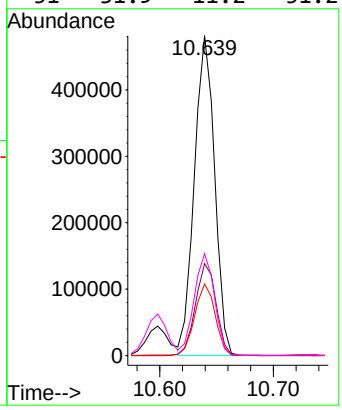


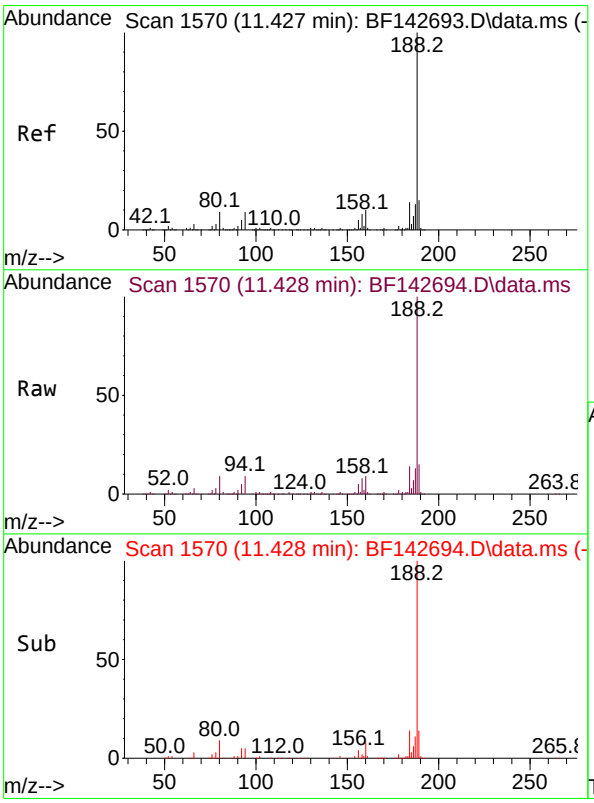
#63
Azobenzene
Concen: 56.952 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 596071

Ion	Ratio	Lower	Upper
77	100		
182	28.7	9.5	49.5
105	22.4	2.3	42.3
51	31.9	11.2	51.2

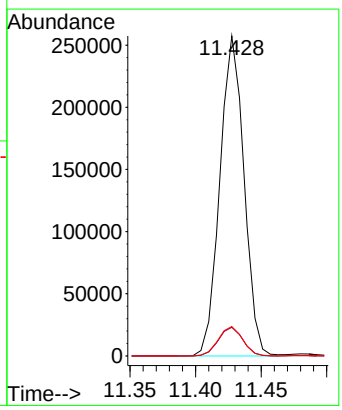


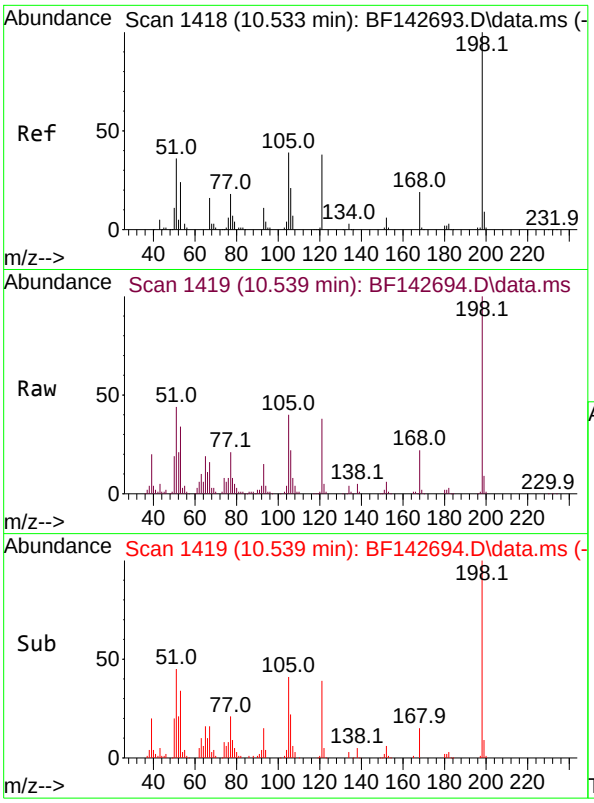


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:188 Resp: 330655

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.4
80	9.2	7.2	10.8



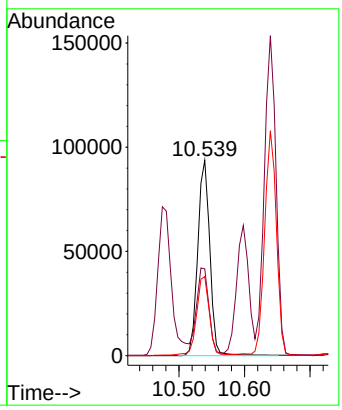


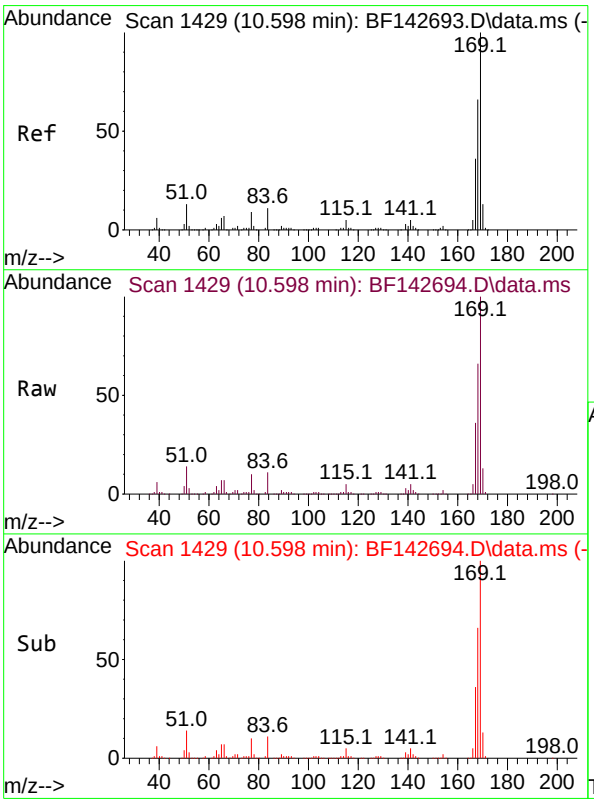
#65
4,6-Dinitro-2-methylphenol
Concen: 56.539 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 119236

Ion	Ratio	Lower	Upper
198	100		
51	44.4	25.9	65.9
105	40.4	20.0	60.0

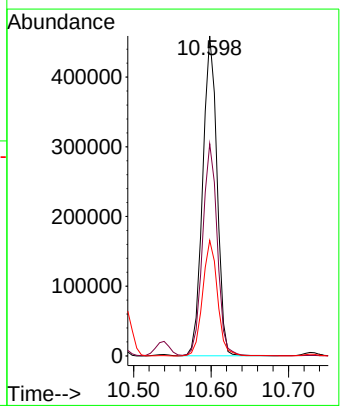


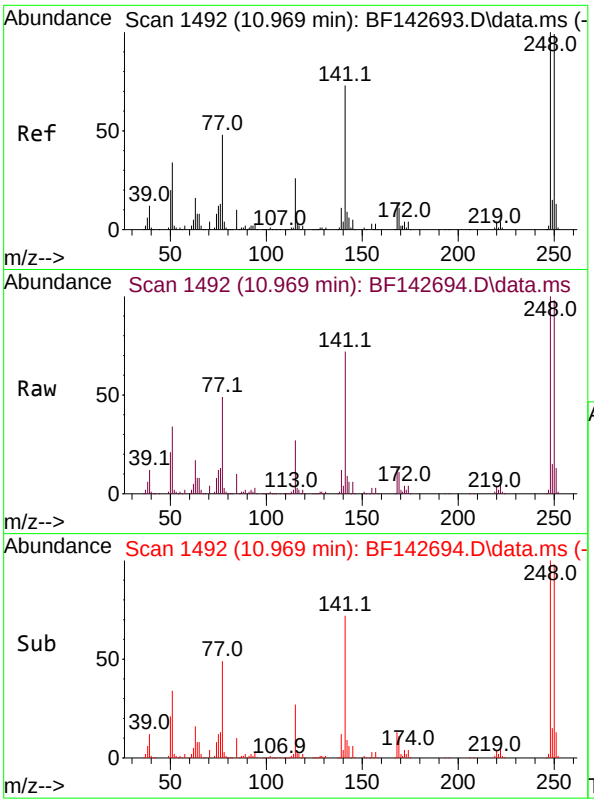


#66
n-Nitrosodiphenylamine
Concen: 55.246 ng
RT: 10.598 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:169 Resp: 589800

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.1	79.7
167	36.1	28.4	42.6



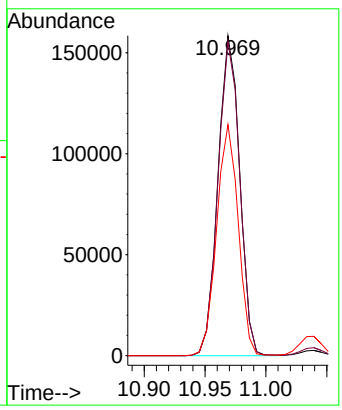


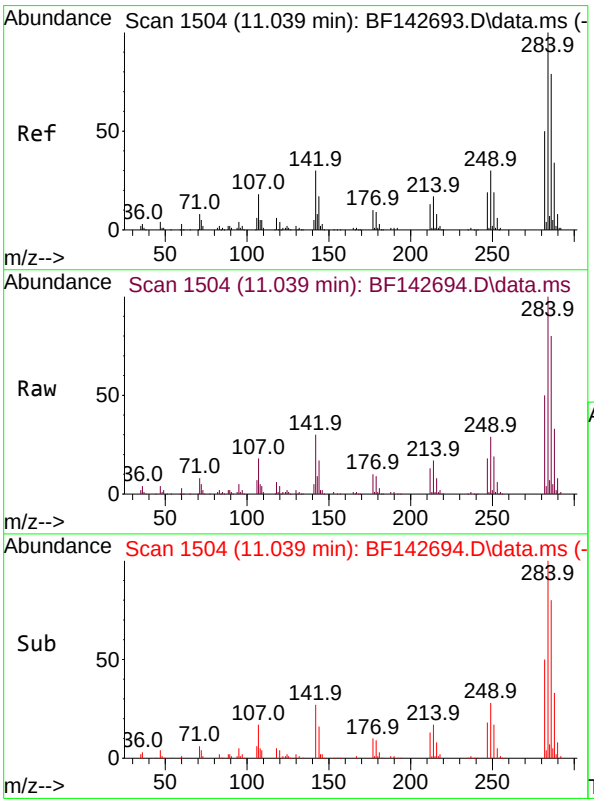
#67
4-Bromophenyl-phenylether
Concen: 53.765 ng
RT: 10.969 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 196498

Ion	Ratio	Lower	Upper
248	100		
250	98.0	79.1	118.7
141	72.2	58.5	87.7

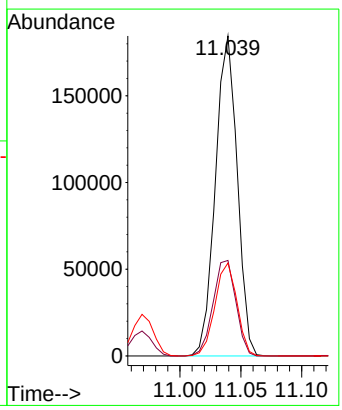


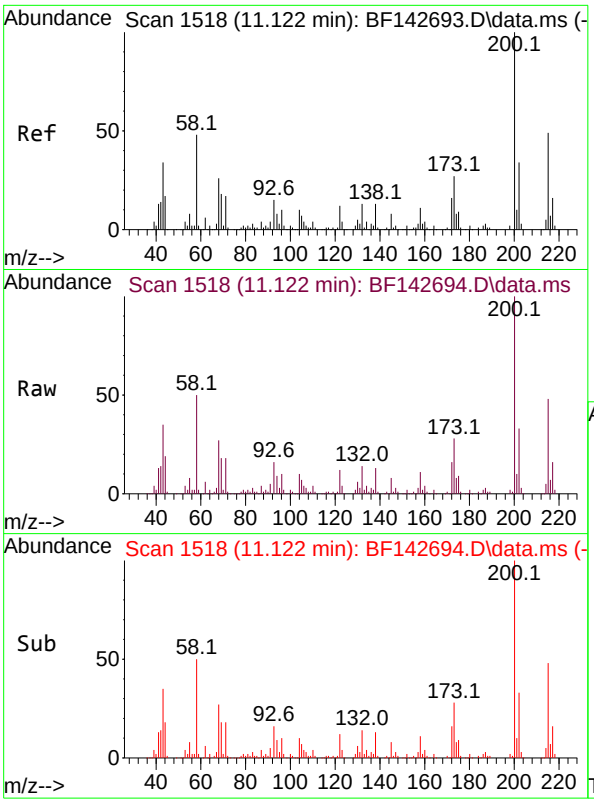


#68
Hexachlorobenzene
Concen: 54.746 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:284 Resp: 229905

Ion	Ratio	Lower	Upper
284	100		
142	29.8	23.6	35.4
249	29.0	23.8	35.8



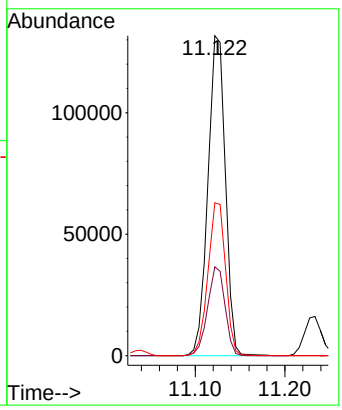


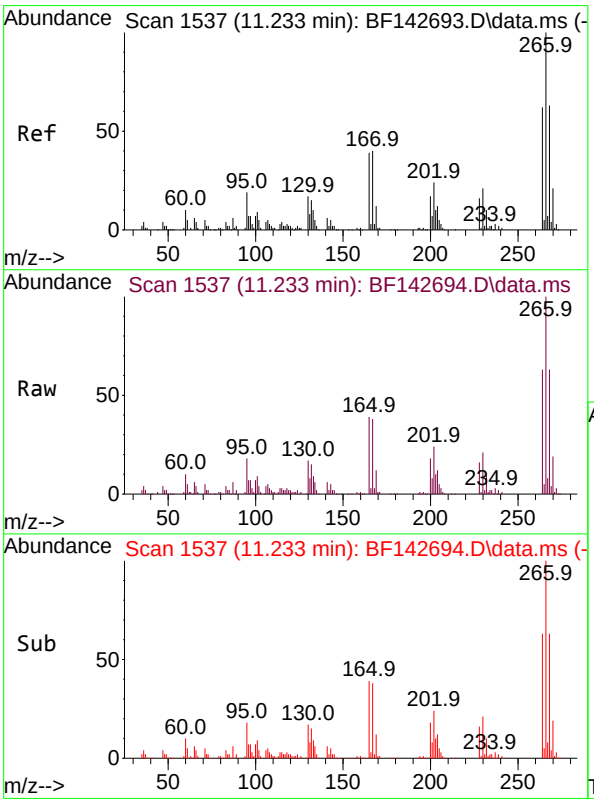
#69
Atrazine
Concen: 55.298 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 179031

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.4	47.4
215	47.8	28.9	68.9

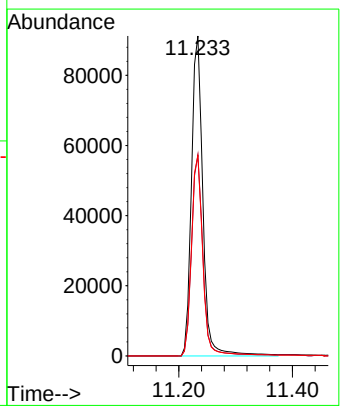


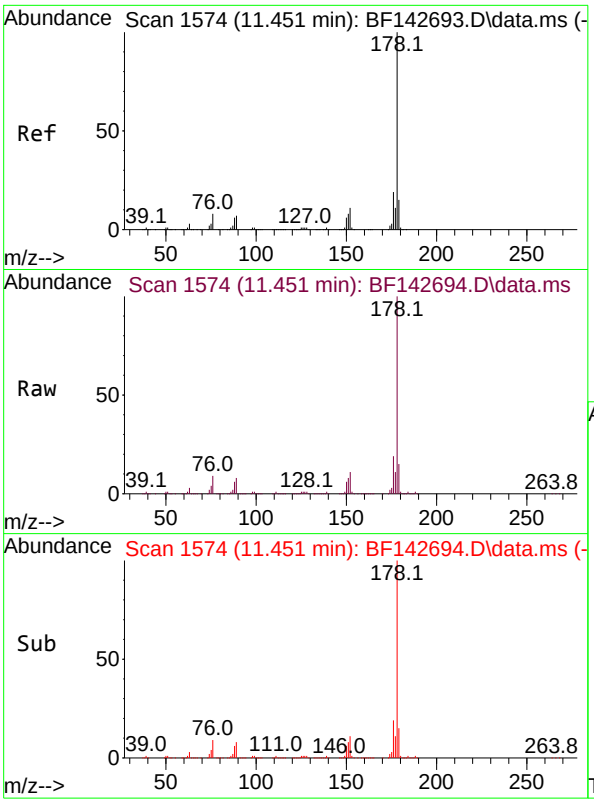


#70
Pentachlorophenol
Concen: 54.837 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:266 Resp: 126643

Ion	Ratio	Lower	Upper
266	100		
268	62.8	50.8	76.2
264	62.6	49.7	74.5



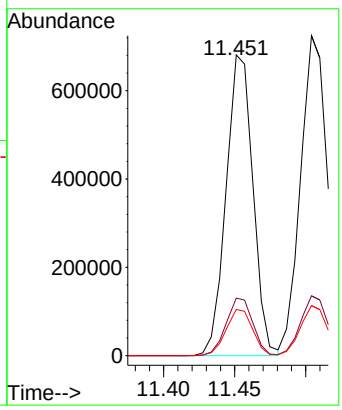


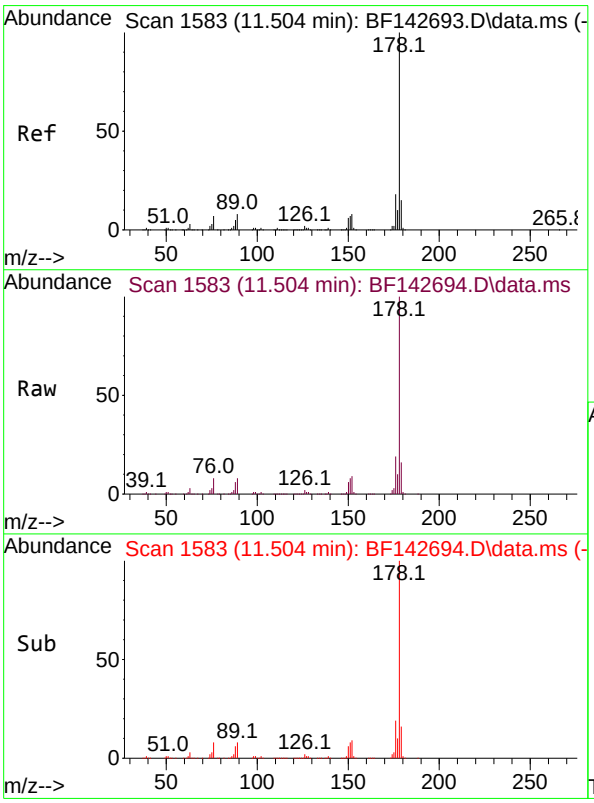
#71
Phenanthrene
Concen: 50.738 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 896875

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.3	12.4	18.6

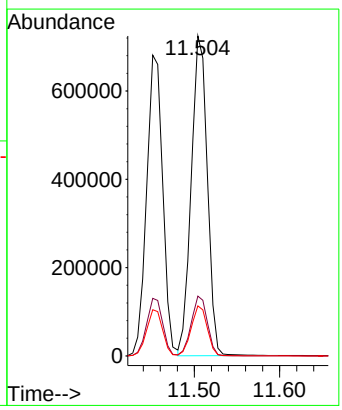


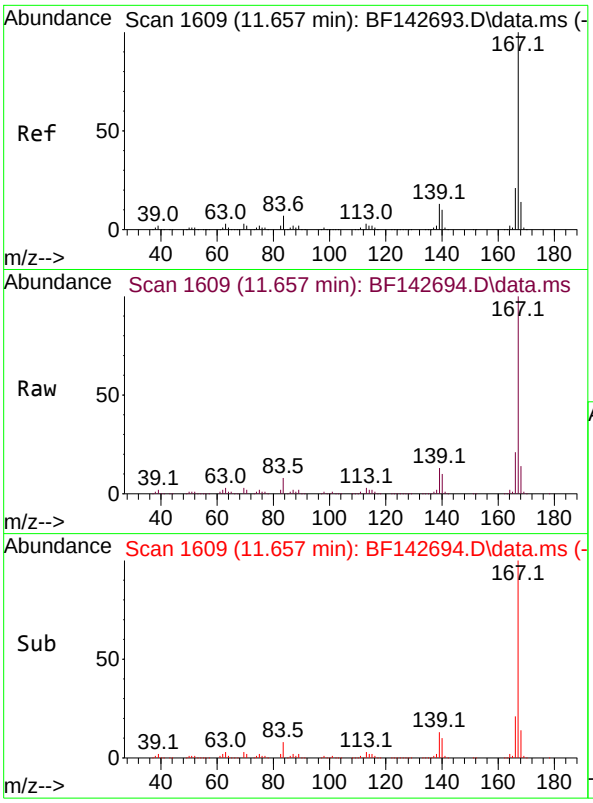


#72
Anthracene
Concen: 51.701 ng
RT: 11.504 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:178 Resp: 948414

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.2



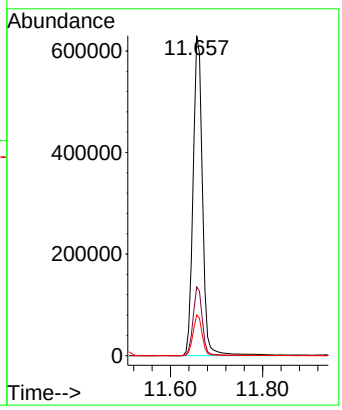


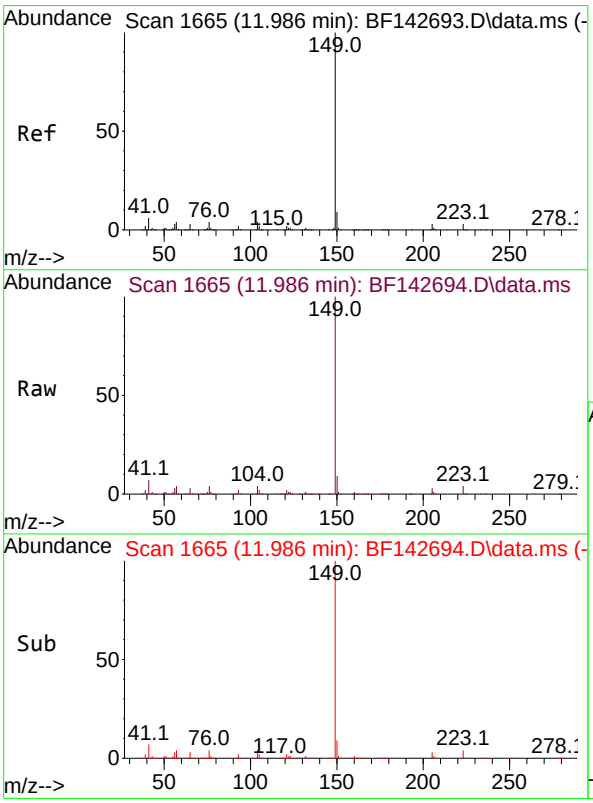
#73
Carbazole
Concen: 53.827 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 889144

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.4
139	12.7	10.1	15.1

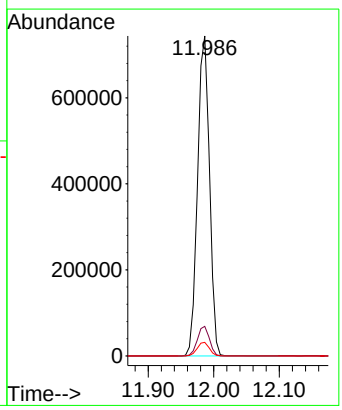


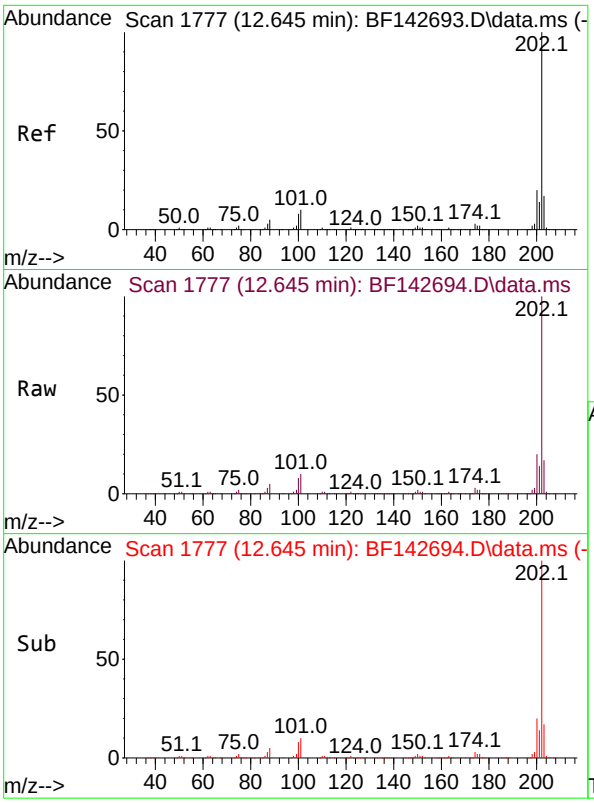


#74
Di-n-butylphthalate
Concen: 53.272 ng
RT: 11.986 min Scan# 1665
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:149 Resp: 934189

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.2	3.3	4.9



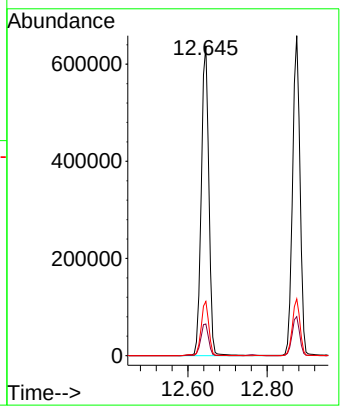


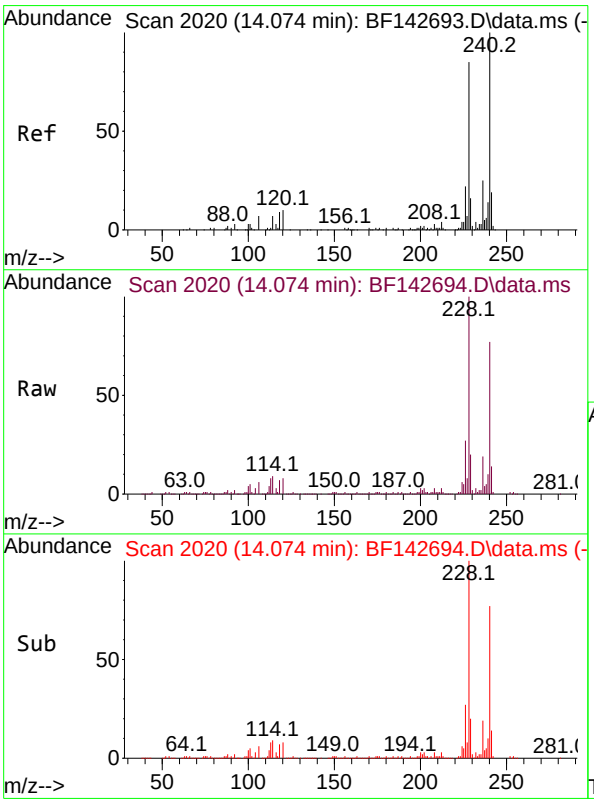
#75
Fluoranthene
Concen: 47.830 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 847121

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.5	0.0	37.3

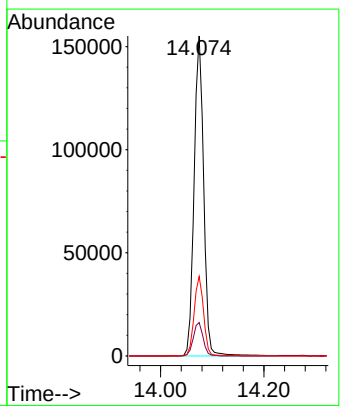


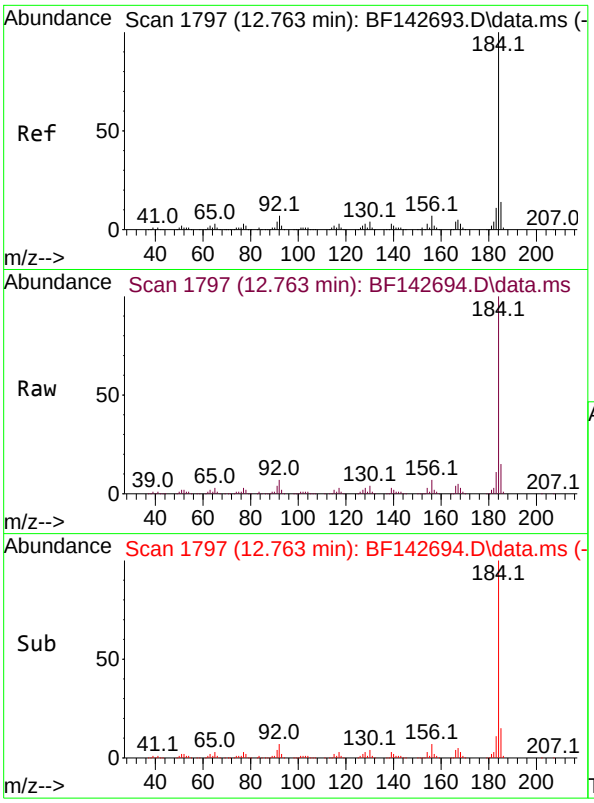


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:240 Resp: 199600

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	24.8	20.2	30.2



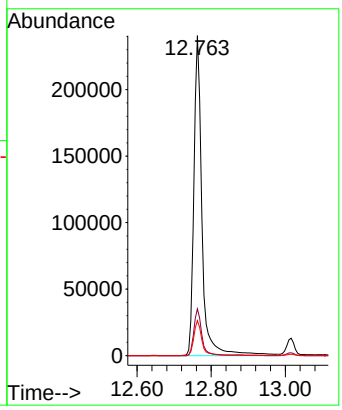


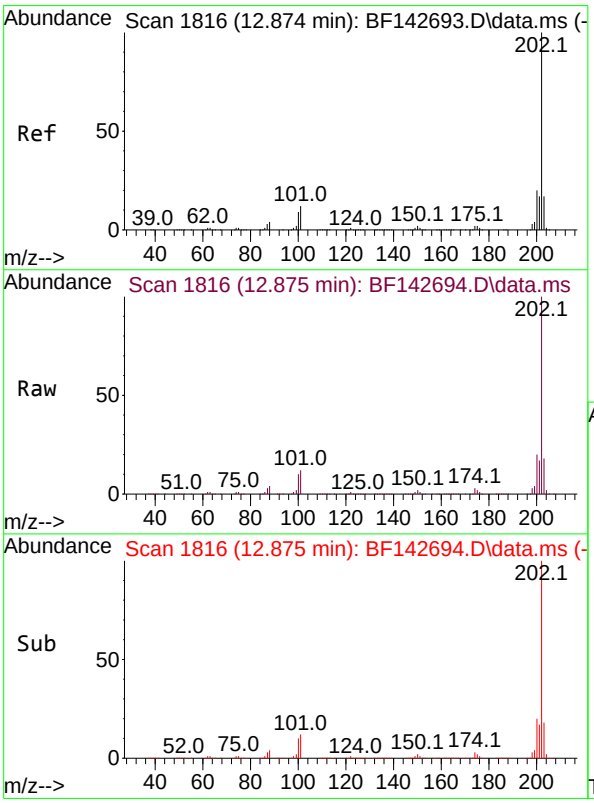
#77
Benzidine
Concen: 53.180 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 366346

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	10.9	8.9	13.3

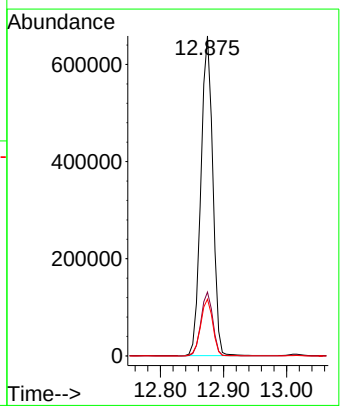


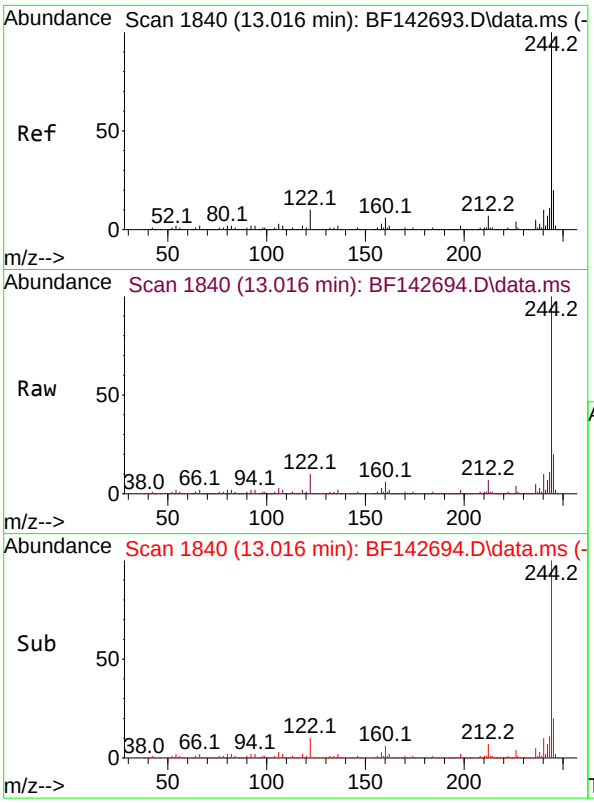


#78
Pyrene
Concen: 52.872 ng
RT: 12.875 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:202 Resp: 859923

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.7	13.9	20.9



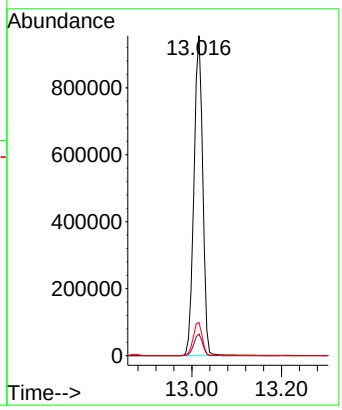


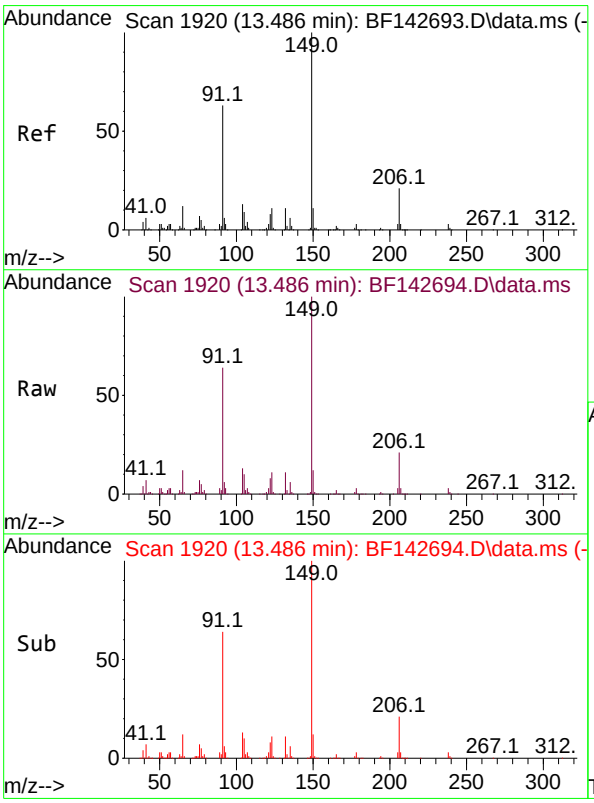
#79
Terphenyl-d14
Concen: 102.981 ng
RT: 13.016 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1299701

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.4	8.2	12.2

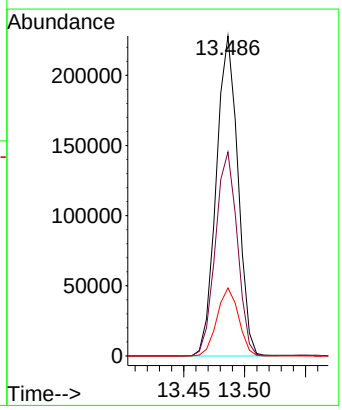


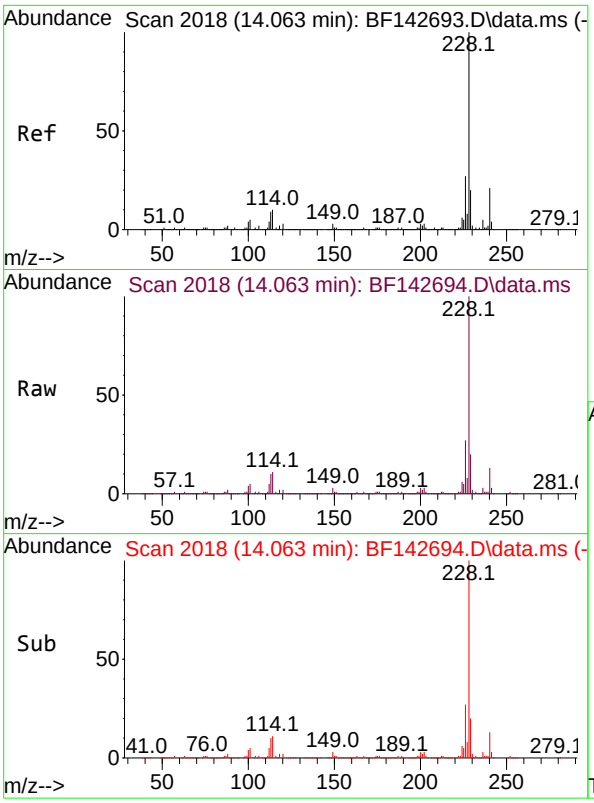


#80
Butylbenzylphthalate
Concen: 56.367 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:149 Resp: 282322

Ion	Ratio	Lower	Upper
149	100		
91	63.7	50.5	75.7
206	21.2	16.9	25.3



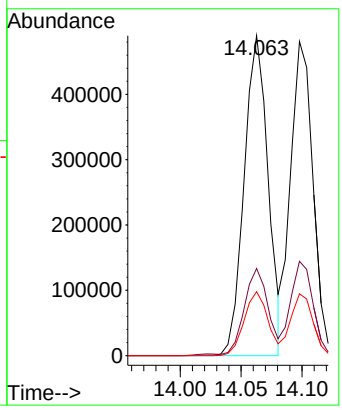


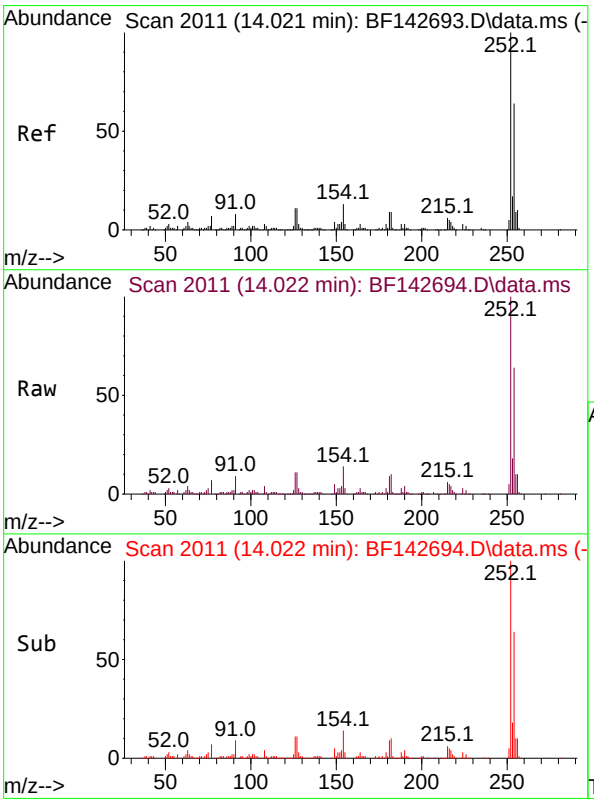
#81
Benzo(a)anthracene
Concen: 51.808 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 671106

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	20.0	15.8	23.6

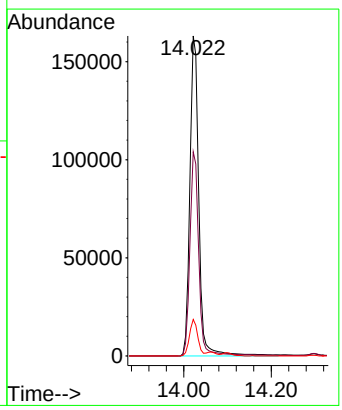


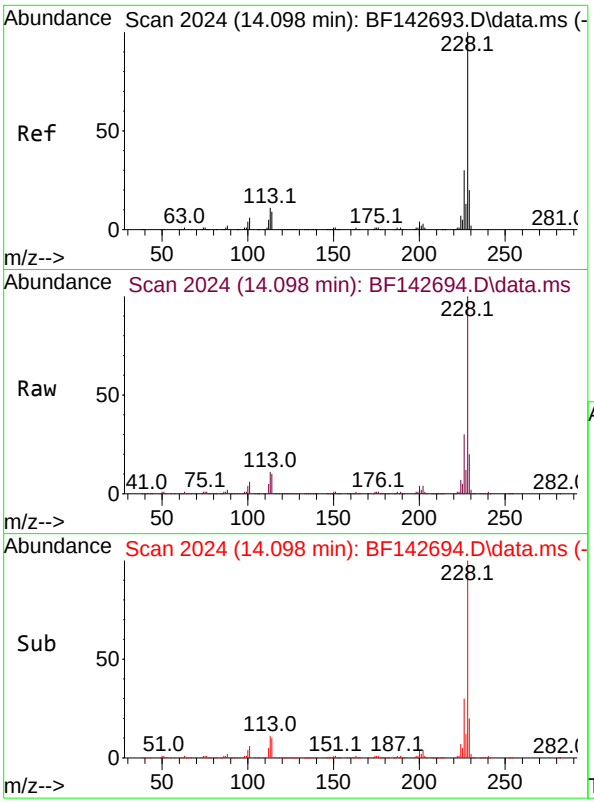


#82
3,3'-Dichlorobenzidine
Concen: 56.013 ng
RT: 14.022 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:252 Resp: 231937

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.4	77.2
126	11.4	9.1	13.7



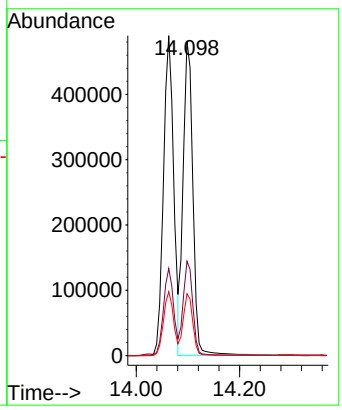


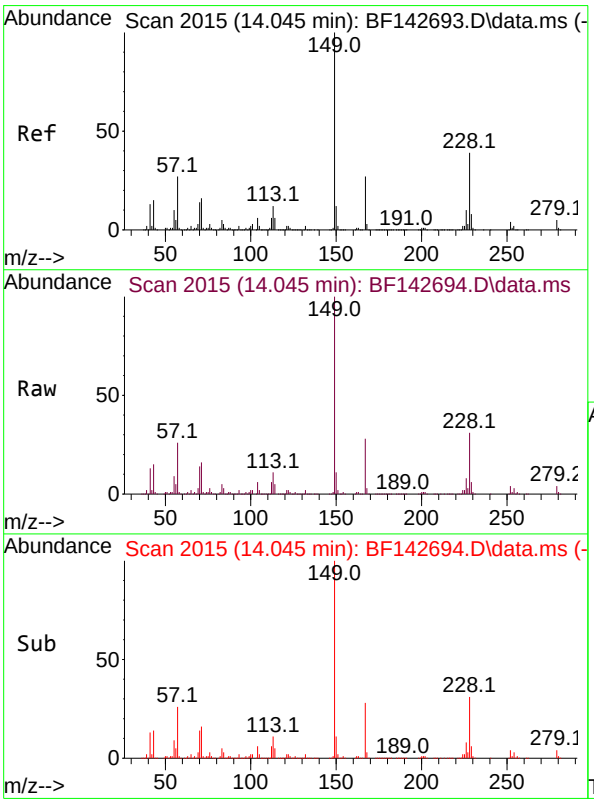
#83
Chrysene
Concen: 51.439 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 631136

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	19.7	15.8	23.6

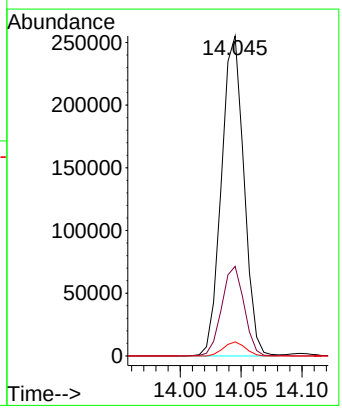


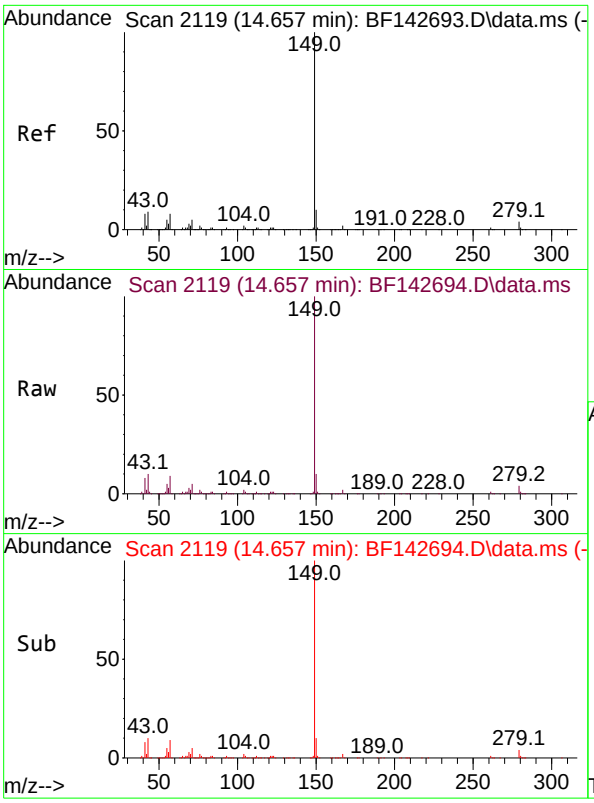


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.359 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:149 Resp: 328007

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.9	32.9
279	4.4	3.6	5.4



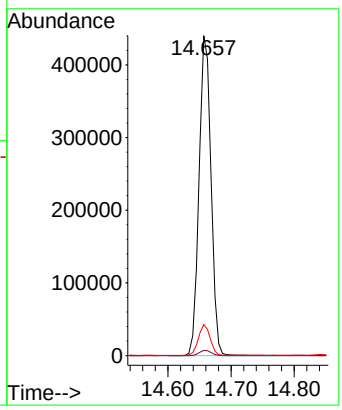


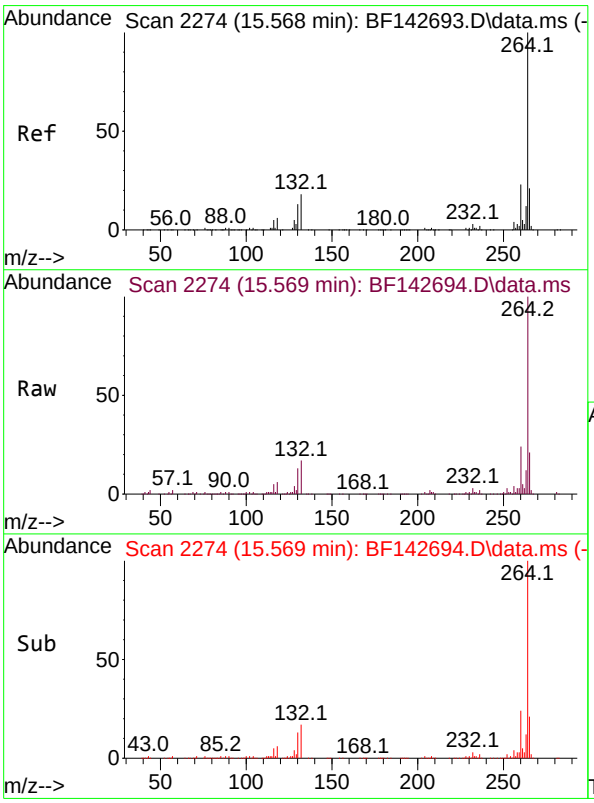
#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 578656

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.5	7.5	11.3

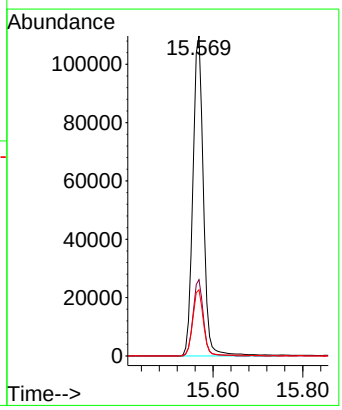


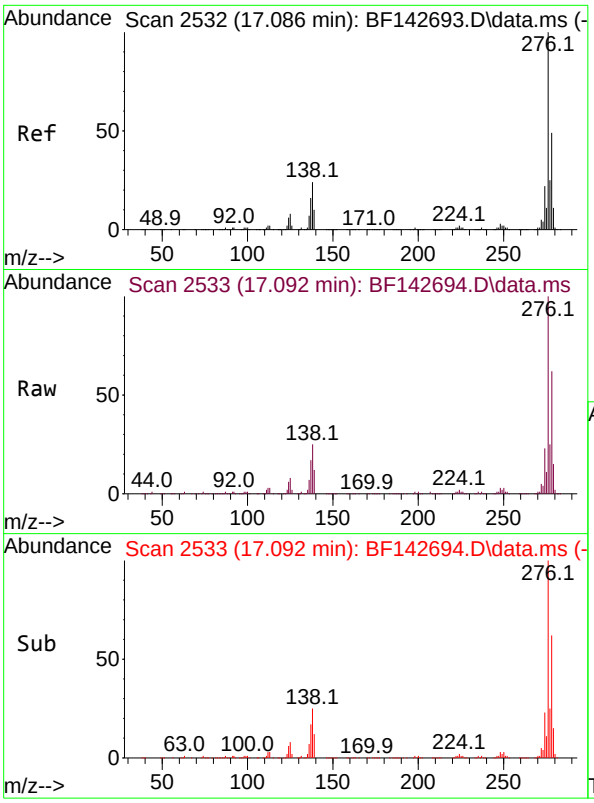


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:264 Resp: 178762

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.5	27.7
265	20.7	17.0	25.4



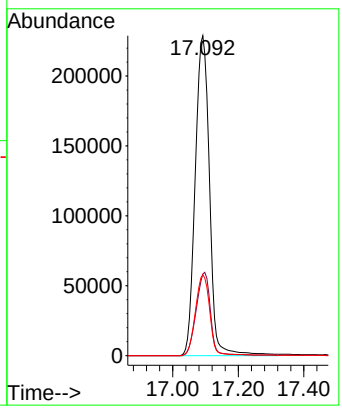


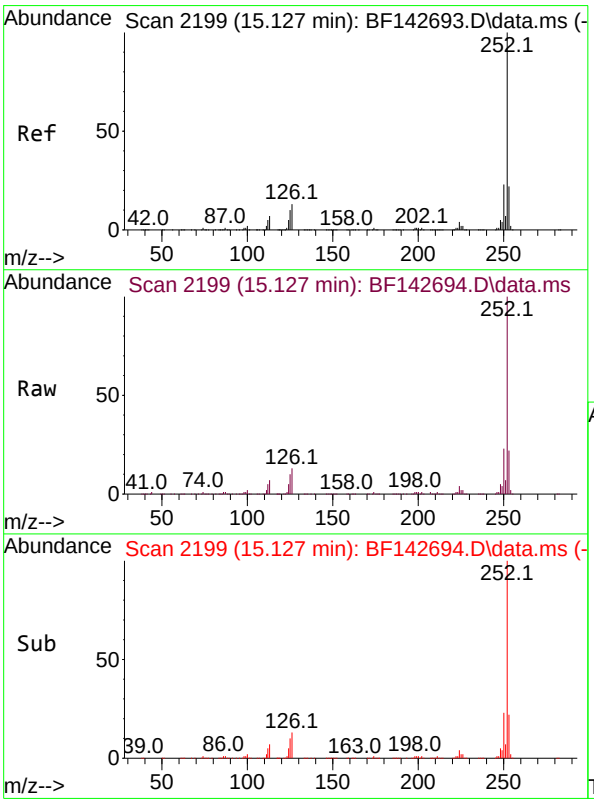
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.587 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 690246

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.8	31.2
277	25.3	20.2	30.2

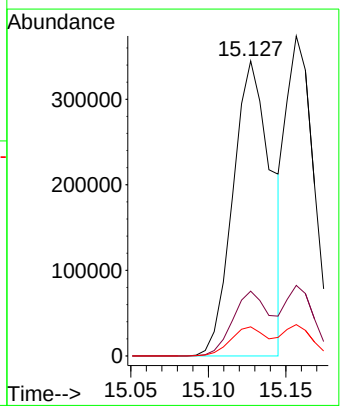


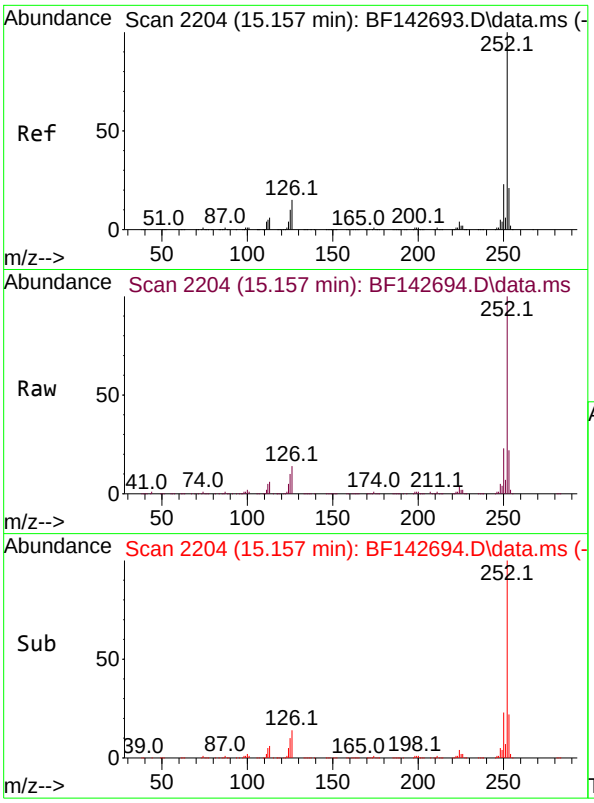


#88
Benzo(b)fluoranthene
Concen: 55.344 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:252 Resp: 591071

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.9	7.8	11.8



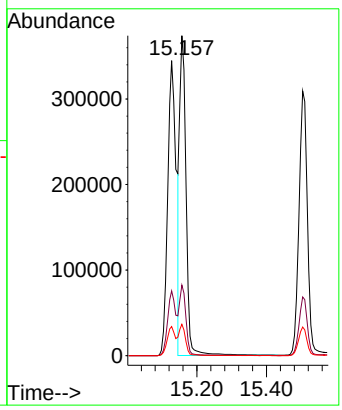


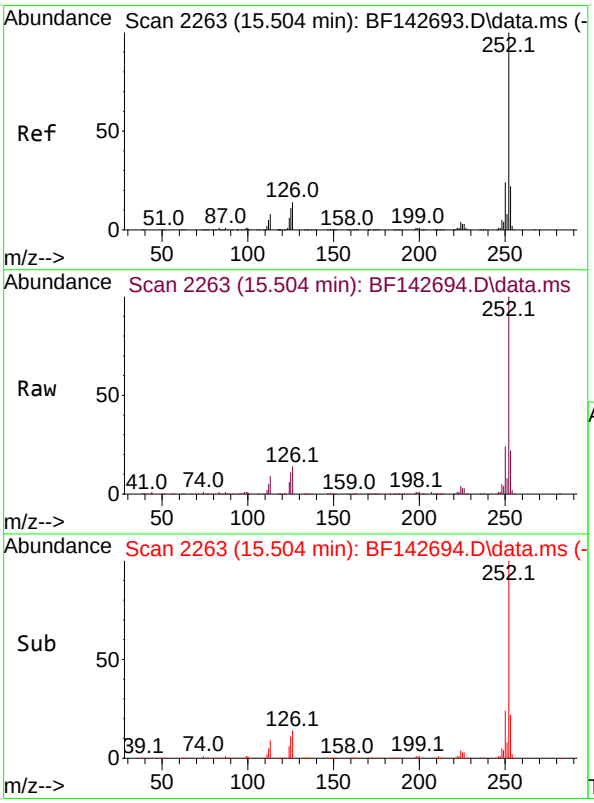
#89
Benzo(k)fluoranthene
Concen: 48.274 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 485157

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.8	7.7	11.5

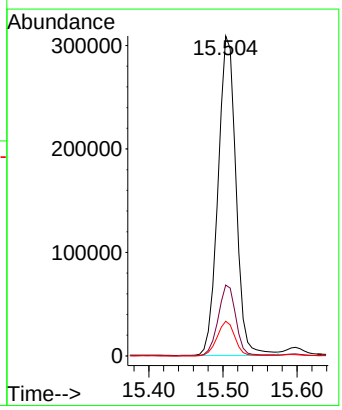


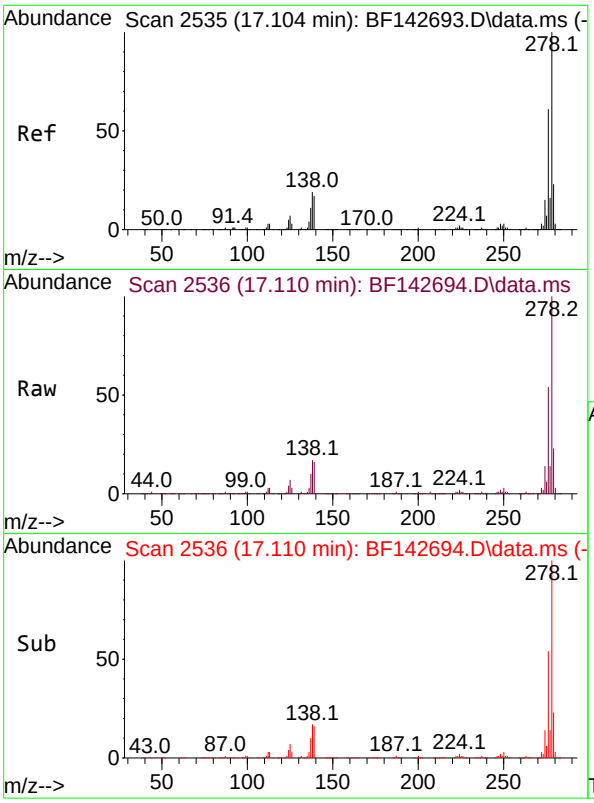


#90
Benzo(a)pyrene
Concen: 51.867 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:252 Resp: 519088

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.8	8.8	13.2



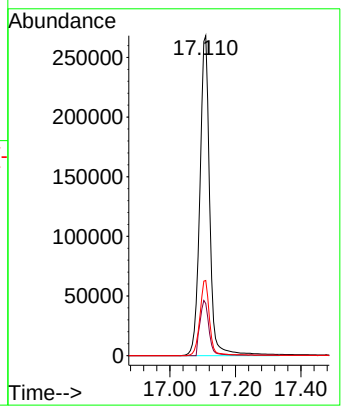


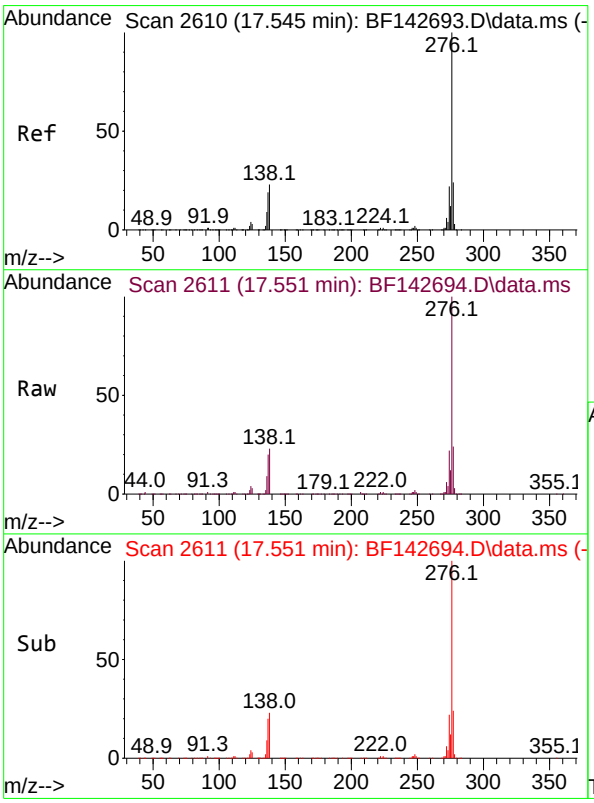
#91
Dibenzo(a,h)anthracene
Concen: 54.983 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 559687

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.4	20.0
279	23.5	18.7	28.1

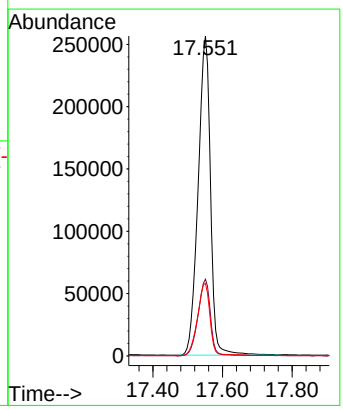




#92
Benzo(g,h,i)perylene
Concen: 59.941 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.006 min
Lab File: BF142694.D
Acq: 09 Jun 2025 15:34

Tgt Ion:276 Resp: 631821

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	22.7	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142695.D
Acq On : 09 Jun 2025 16:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 09 17:25:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	98168	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	340625	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	177633	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	334985	20.000	ng	0.00
76) Chrysene-d12	14.074	240	165606	20.000	ng	0.00
86) Perylene-d12	15.568	264	180662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	622826	107.726	ng	0.00
7) Phenol-d6	6.528	99	805972	118.873	ng	0.00
23) Nitrobenzene-d5	7.469	82	778150	125.547	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	254526	127.535	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1485835	114.392	ng	0.00
79) Terphenyl-d14	13.016	244	1355043	129.405	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	126741	57.247	ng	100
3) Pyridine	3.451	79	332762	58.278	ng	99
4) n-Nitrosodimethylamine	3.416	42	163854	58.959	ng	98
6) Aniline	6.563	93	542185	59.562	ng	99
8) 2-Chlorophenol	6.681	128	377975	59.921	ng	99
9) Benzaldehyde	6.445	77	207047	54.169	ng	99
10) Phenol	6.545	94	447656	58.961	ng	91
11) bis(2-Chloroethyl)ether	6.634	93	329806	59.627	ng	98
12) 1,3-Dichlorobenzene	6.839	146	417912	59.158	ng	99
13) 1,4-Dichlorobenzene	6.916	146	421067	58.295	ng	99
14) 1,2-Dichlorobenzene	7.069	146	410226	59.565	ng	98
15) Benzyl Alcohol	7.039	79	308308	62.164	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	531359	58.995	ng	95
17) 2-Methylphenol	7.151	107	295863	61.168	ng	99
18) Hexachloroethane	7.410	117	142334	57.358	ng	98
19) n-Nitroso-di-n-propyla...	7.316	70	225935	56.847	ng	99
20) 3+4-Methylphenols	7.304	107	331876	55.712	ng	98
22) Acetophenone	7.310	105	443526	59.566	ng	99
24) Nitrobenzene	7.486	77	350593	62.721	ng	100
25) Isophorone	7.722	82	646008	64.242	ng	100
26) 2-Nitrophenol	7.798	139	207744	67.377	ng	99
27) 2,4-Dimethylphenol	7.833	122	344331	65.710	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	413622	65.581	ng	99
29) 2,4-Dichlorophenol	8.039	162	289939	60.396	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	311759	59.537	ng	99
31) Naphthalene	8.204	128	973979	58.027	ng	100
32) Benzoic acid	7.963	122	217394	68.338	ng	99
33) 4-Chloroaniline	8.251	127	405309	58.735	ng	99
34) Hexachlorobutadiene	8.322	225	191388	59.345	ng	99
35) Caprolactam	8.633	113	93019	63.085	ng	97
36) 4-Chloro-3-methylphenol	8.733	107	309007	62.403	ng	98
37) 2-Methylnaphthalene	8.892	142	638919	60.495	ng	100
38) 1-Methylnaphthalene	8.992	142	678099	62.000	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	332509	64.773	ng	99
41) Hexachlorocyclopentadiene	9.045	237	218314	72.419	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	212874	63.198	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142695.D
Acq On : 09 Jun 2025 16:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 09 17:25:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

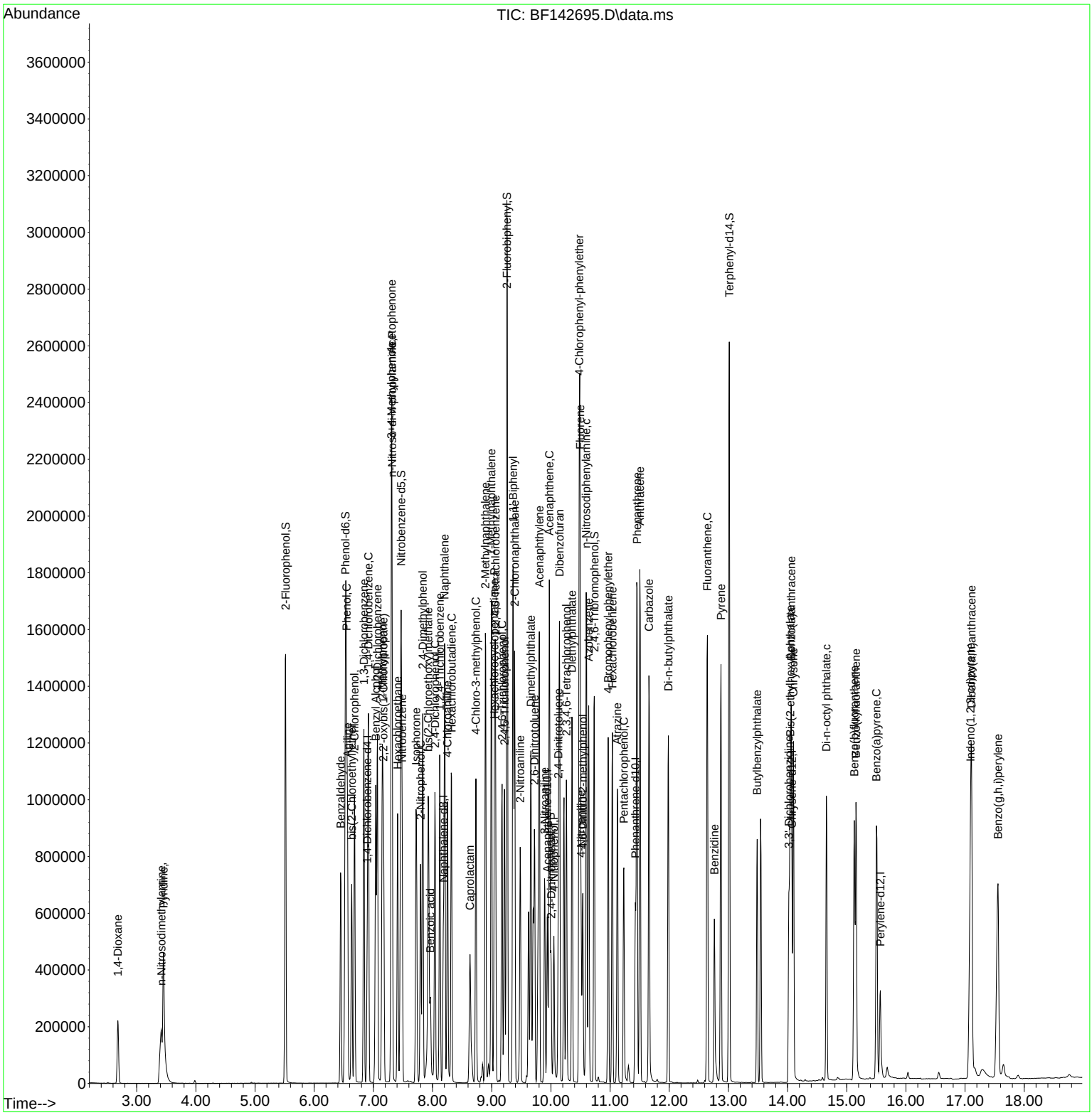
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	227756	63.306	ng	98
46) 1,1'-Biphenyl	9.363	154	840662	60.861	ng	99
47) 2-Chloronaphthalene	9.386	162	635951	61.448	ng	99
48) 2-Nitroaniline	9.480	65	198756	64.536	ng	97
49) Acenaphthylene	9.804	152	999215	58.254	ng	100
50) Dimethylphthalate	9.663	163	739979	61.916	ng	100
51) 2,6-Dinitrotoluene	9.722	165	172744	66.817	ng	98
52) Acenaphthene	9.975	154	616664	58.770	ng	99
53) 3-Nitroaniline	9.892	138	177678	61.164	ng	98
54) 2,4-Dinitrophenol	10.004	184	97065	67.812	ng	96
55) Dibenzofuran	10.145	168	886854	58.914	ng	99
56) 4-Nitrophenol	10.051	139	129174	64.692	ng	98
57) 2,4-Dinitrotoluene	10.127	165	211934	61.156	ng	98
58) Fluorene	10.492	166	722426	60.042	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	194105	64.115	ng	98
60) Diethylphthalate	10.357	149	703400	60.625	ng	99
61) 4-Chlorophenyl-phenyle...	10.480	204	346296	60.875	ng	98
62) 4-Nitroaniline	10.510	138	177050	64.248	ng	98
63) Azobenzene	10.639	77	640912	61.666	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	132891	62.199	ng	100
66) n-Nitrosodiphenylamine	10.598	169	637712	58.962	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	224470	60.625	ng	99
68) Hexachlorobenzene	11.039	284	250593	58.901	ng	99
69) Atrazine	11.122	200	189732	57.846	ng	99
70) Pentachlorophenol	11.233	266	137182	58.633	ng	99
71) Phenanthrene	11.457	178	1021895	57.063	ng	100
72) Anthracene	11.504	178	1043090	56.127	ng	99
73) Carbazole	11.657	167	917920	54.851	ng	100
74) Di-n-butylphthalate	11.986	149	911920	51.330	ng	100
75) Fluoranthene	12.645	202	969277	54.020	ng	99
77) Benzidine	12.763	184	381410	66.732	ng	100
78) Pyrene	12.874	202	890618	66.000	ng	100
80) Butylbenzylphthalate	13.486	149	292599	70.410	ng	99
81) Benzo(a)anthracene	14.063	228	654556	60.902	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	214574	62.457	ng	99
83) Chrysene	14.098	228	610832	60.003	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	329055	69.354	ng	100
85) Di-n-octyl phthalate	14.657	149	698164	75.660	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	835723	65.396	ng	99
88) Benzo(b)fluoranthene	15.127	252	648370	60.070	ng	100
89) Benzo(k)fluoranthene	15.157	252	537920	52.961	ng	100
90) Benzo(a)pyrene	15.504	252	599182	59.241	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	682618	66.355	ng	99
92) Benzo(g,h,i)perylene	17.556	276	704185	66.104	ng	99

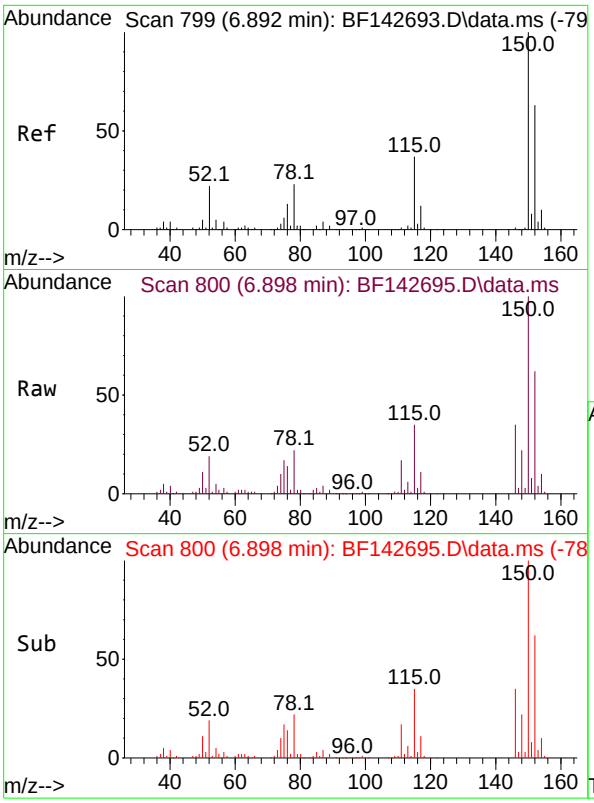
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142695.D
Acq On : 09 Jun 2025 16:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 09 17:25:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



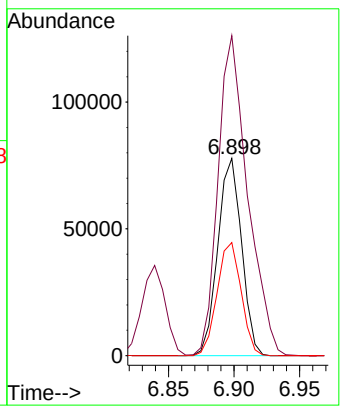


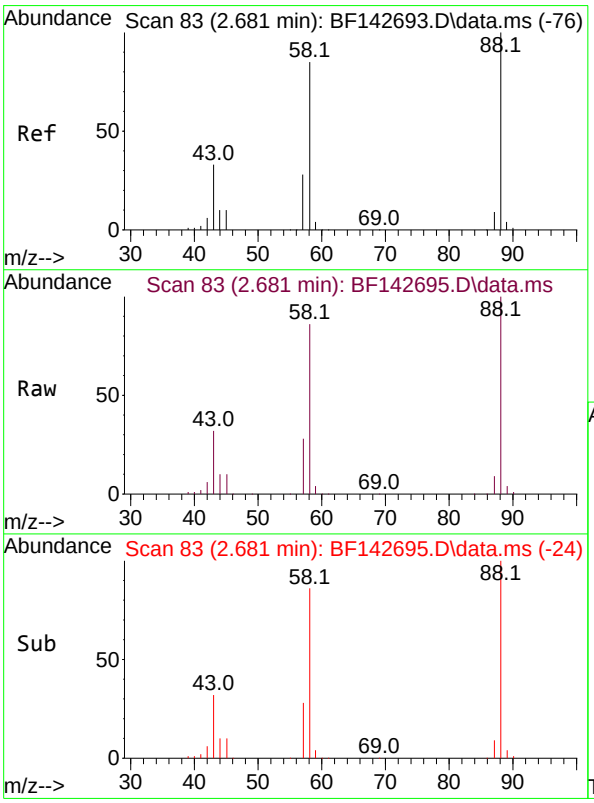
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 98168

Ion	Ratio	Lower	Upper
152	100		
150	162.2	126.8	190.2
115	57.3	46.8	70.2

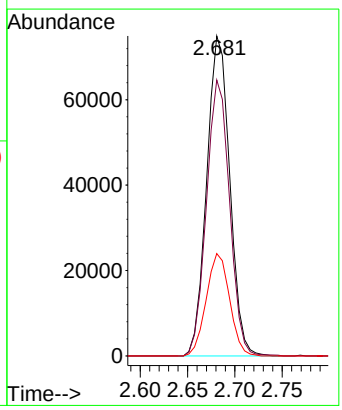


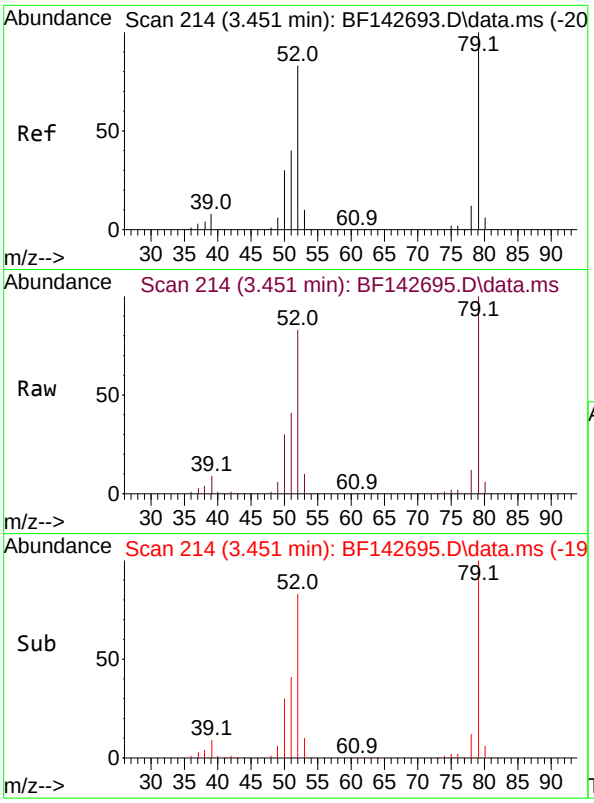


#2
1,4-Dioxane
Concen: 57.247 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 88 Resp: 126741

Ion	Ratio	Lower	Upper
88	100		
58	86.5	69.2	103.8
43	32.4	26.3	39.5



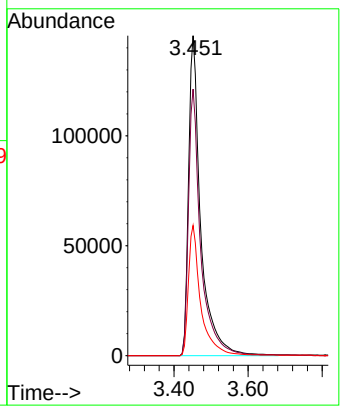


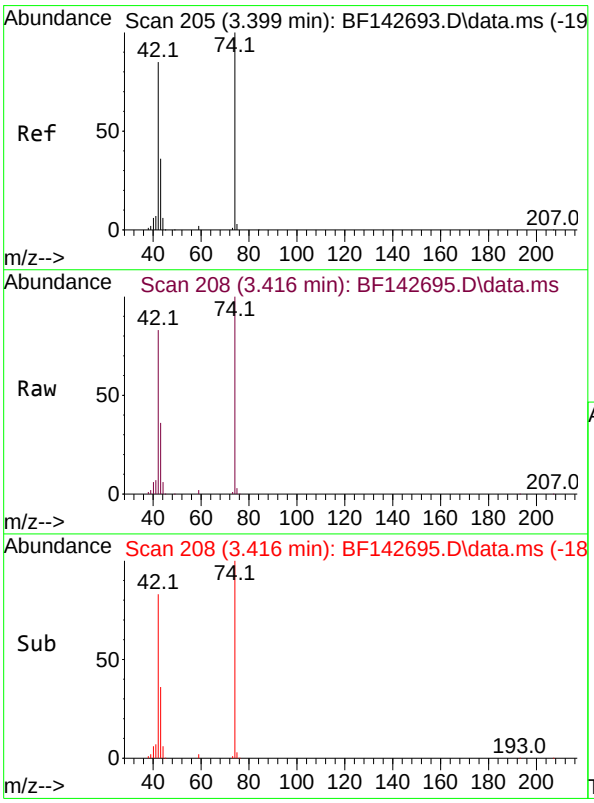
#3
Pyridine
Concen: 58.278 ng
RT: 3.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 332762

Ion	Ratio	Lower	Upper
79	100		
52	83.3	66.6	99.8
51	40.7	31.7	47.5

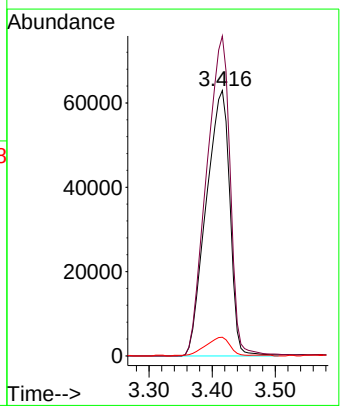


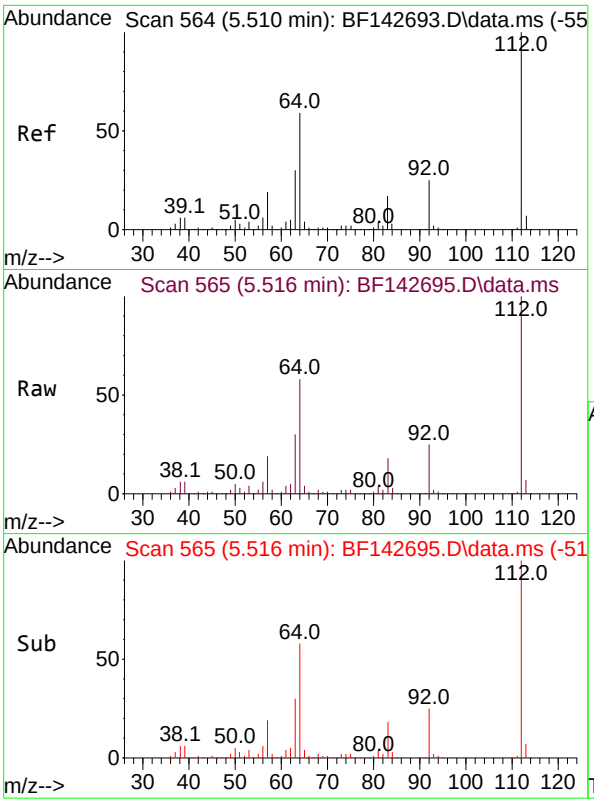


#4
n-Nitrosodimethylamine
Concen: 58.959 ng
RT: 3.416 min Scan# 208
Delta R.T. 0.018 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 42 Resp: 163854

Ion	Ratio	Lower	Upper
42	100		
74	120.6	94.5	141.7
44	7.0	5.6	8.4



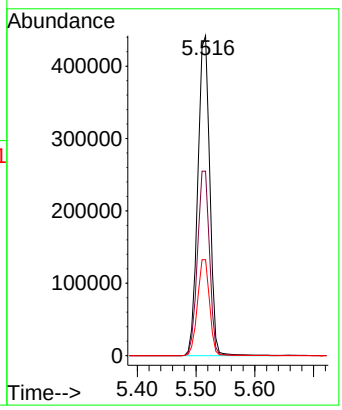


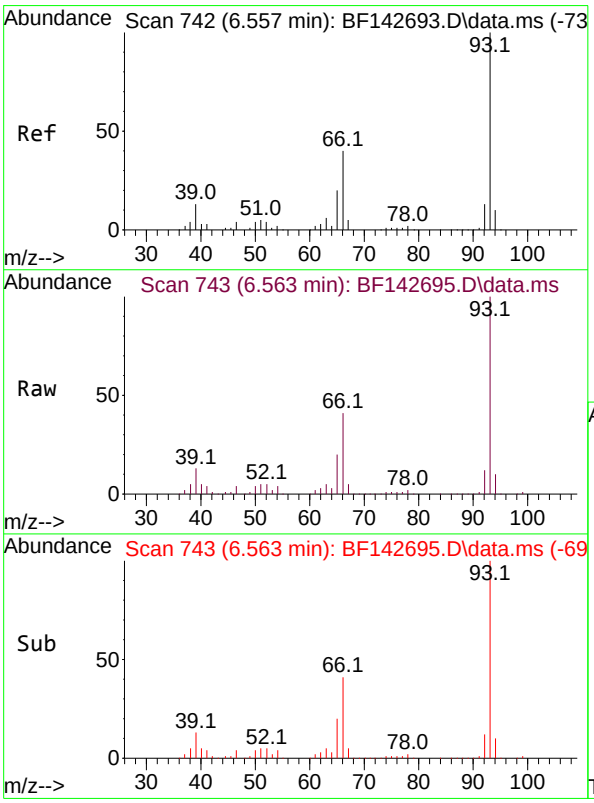
#5
2-Fluorophenol
Concen: 107.726 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 622826

Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.9	70.3
63	30.0	24.3	36.5

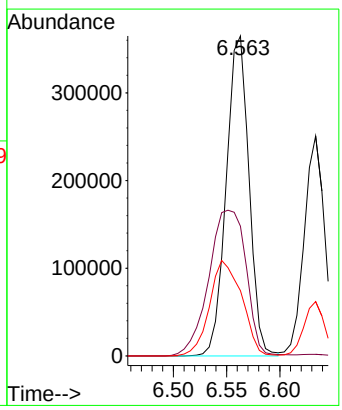


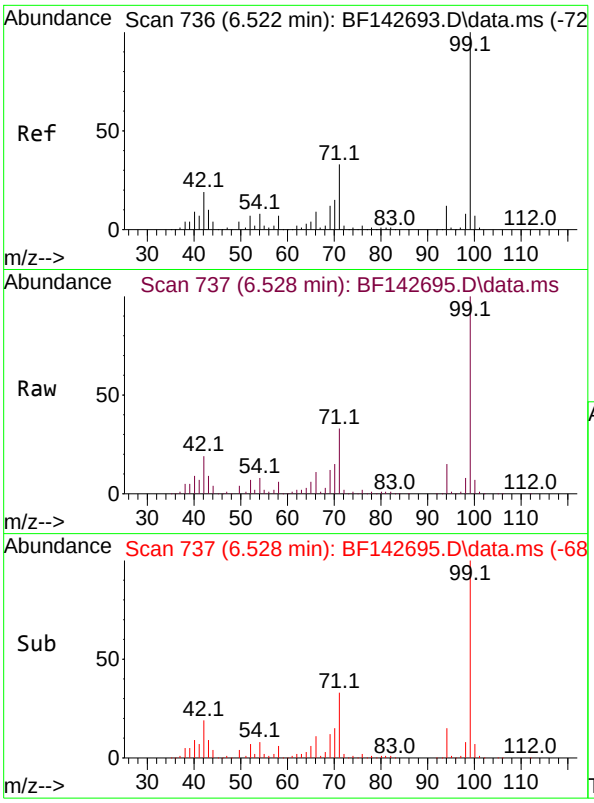


#6
Aniline
Concen: 59.562 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 93 Resp: 542185

Ion	Ratio	Lower	Upper
93	100		
66	40.5	32.8	49.2
65	20.4	16.4	24.6



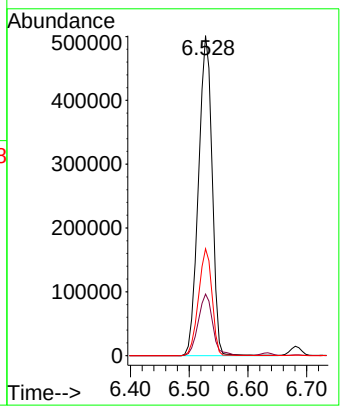


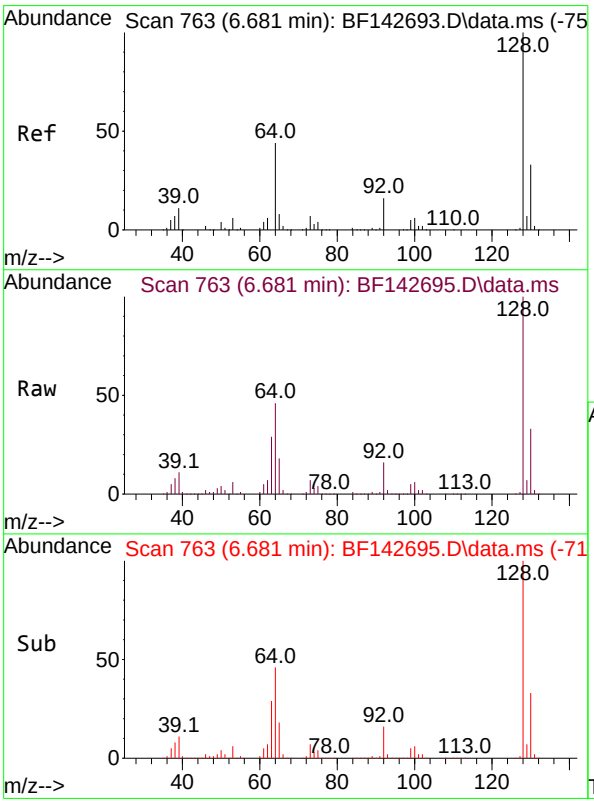
#7
Phenol-d6
Concen: 118.873 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 805972

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	33.4	26.3	39.5

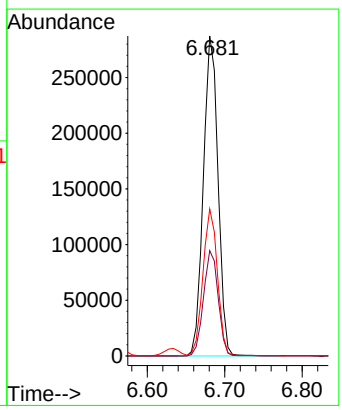


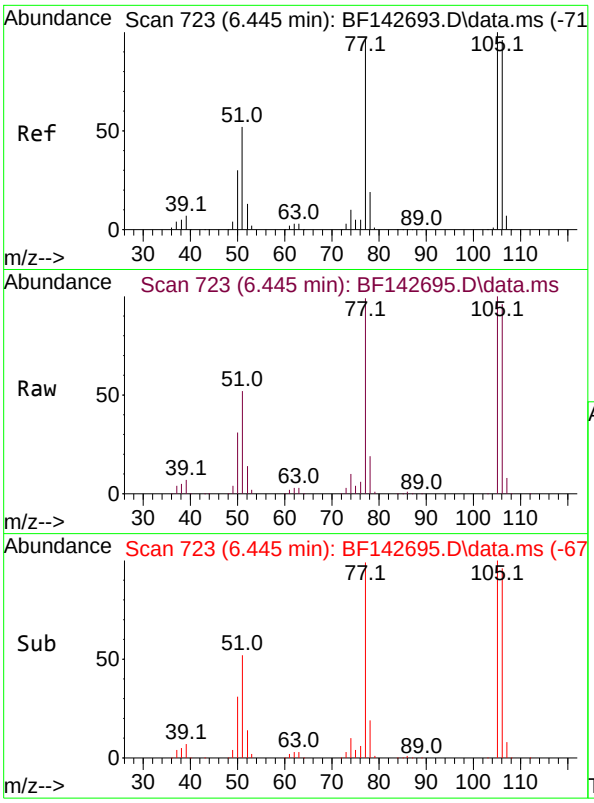


#8
2-Chlorophenol
Concen: 59.921 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:128 Resp: 377975

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.3	53.3
64	45.9	25.4	65.4



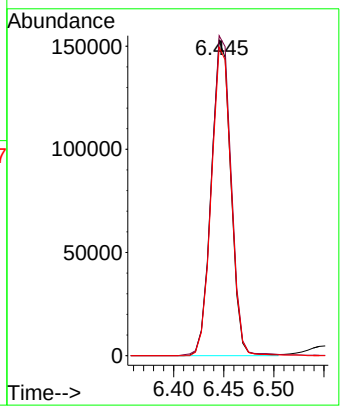


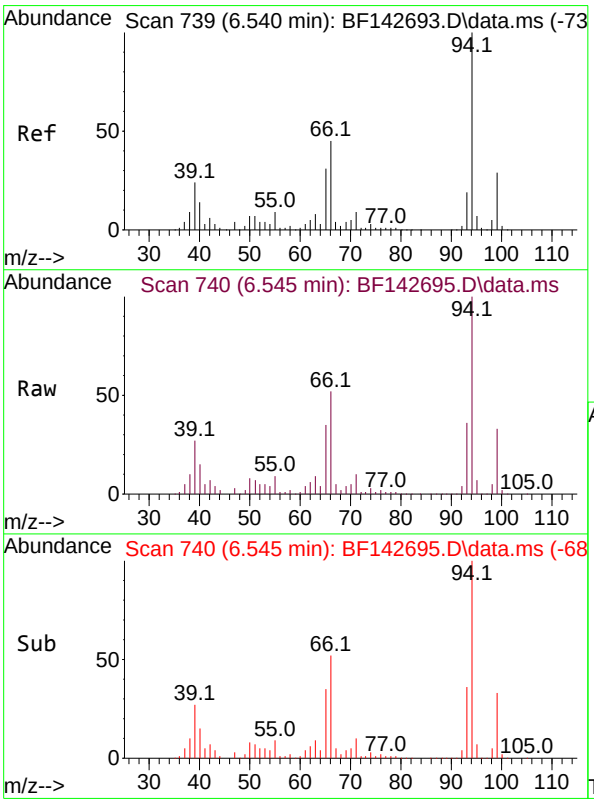
#9
Benzaldehyde
Concen: 54.169 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 207047

Ion	Ratio	Lower	Upper
77	100		
105	101.5	83.2	123.2
106	97.8	78.7	118.7

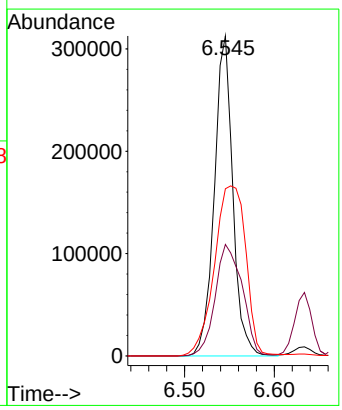


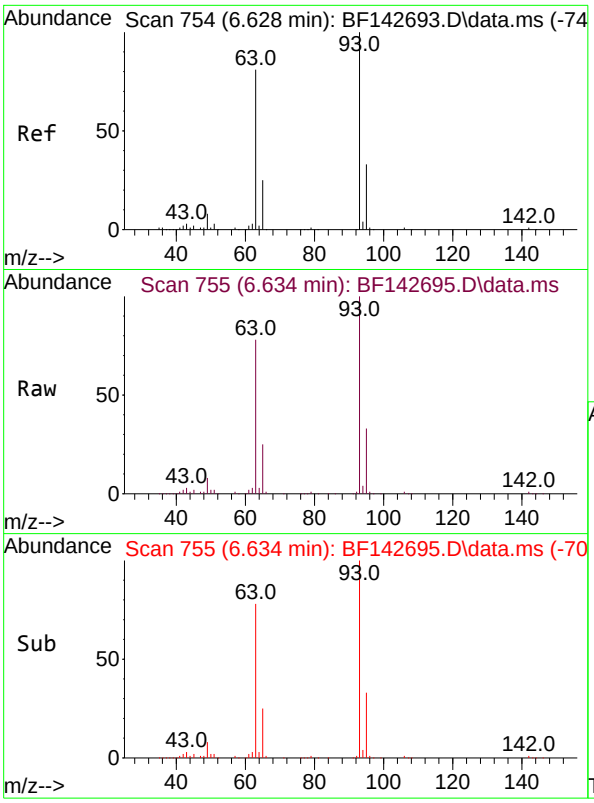


#10
Phenol
Concen: 58.961 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 94 Resp: 447656

Ion	Ratio	Lower	Upper
94	100		
65	34.8	11.0	51.0
66	52.2	24.9	64.9



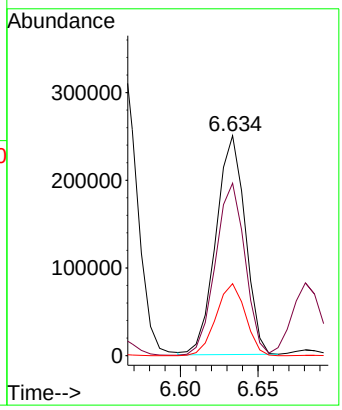


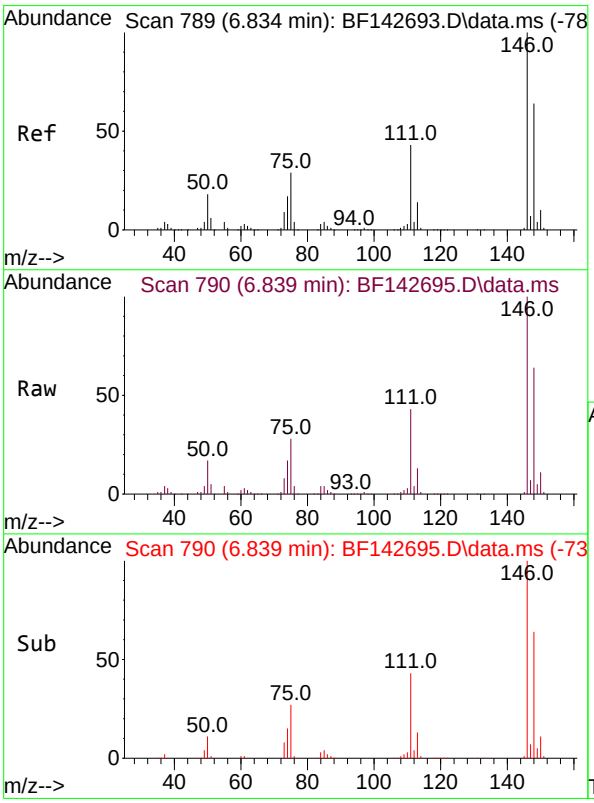
#11
bis(2-Chloroethyl)ether
Concen: 59.627 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 329806

Ion	Ratio	Lower	Upper
93	100		
63	78.4	60.0	100.0
95	32.7	12.2	52.2

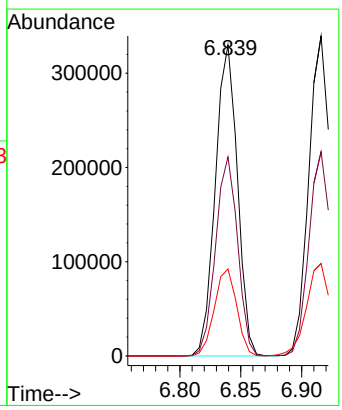


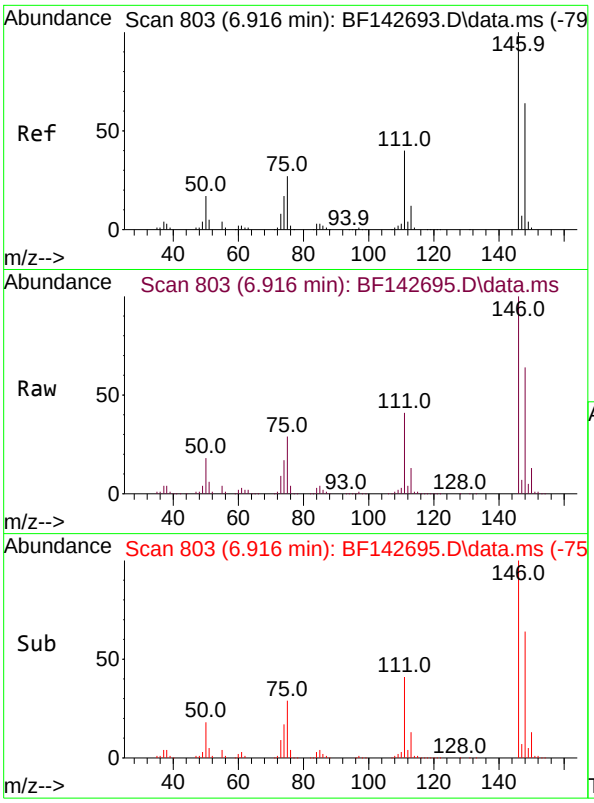


#12
1,3-Dichlorobenzene
Concen: 59.158 ng
RT: 6.839 min Scan# 790
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:146 Resp: 417912

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	28.0	23.1	34.7



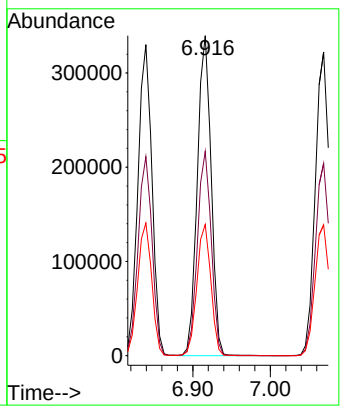


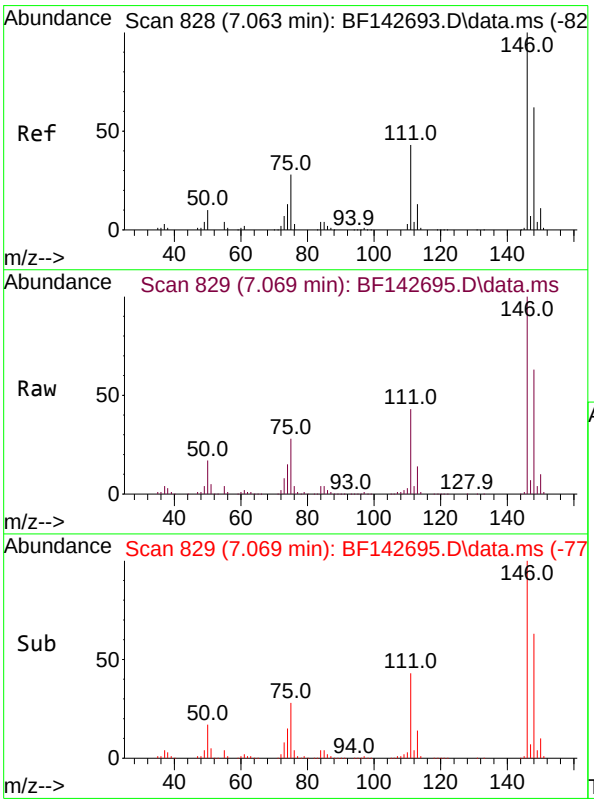
#13
1,4-Dichlorobenzene
Concen: 58.295 ng
RT: 6.916 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 421067

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	41.0	31.8	47.8

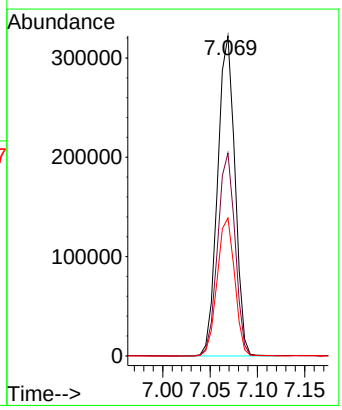


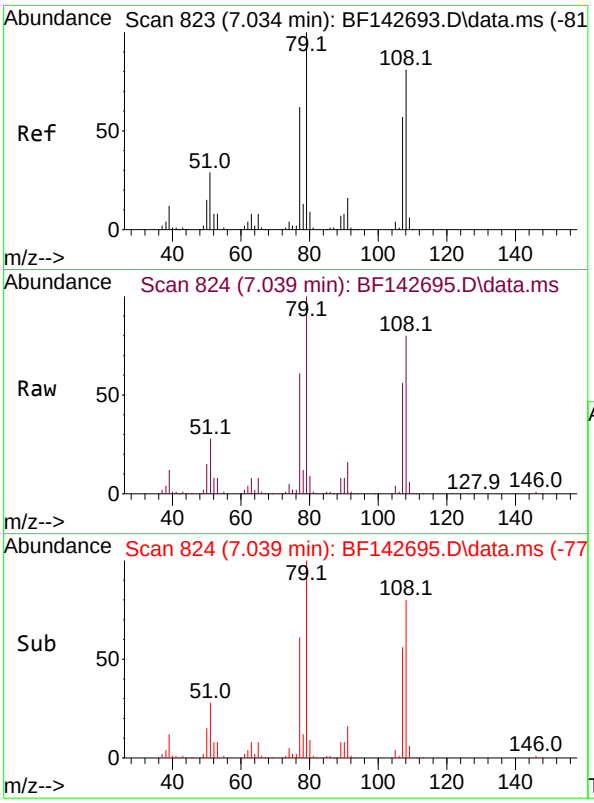


#14
1,2-Dichlorobenzene
Concen: 59.565 ng
RT: 7.069 min Scan# 829
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:146 Resp: 410226

Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.3	73.9
111	43.1	34.1	51.1



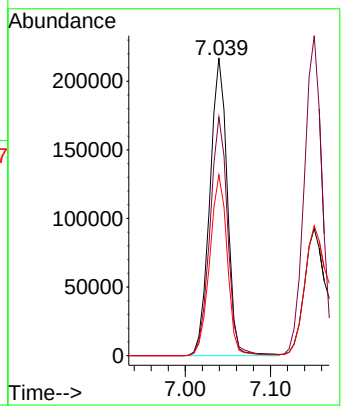


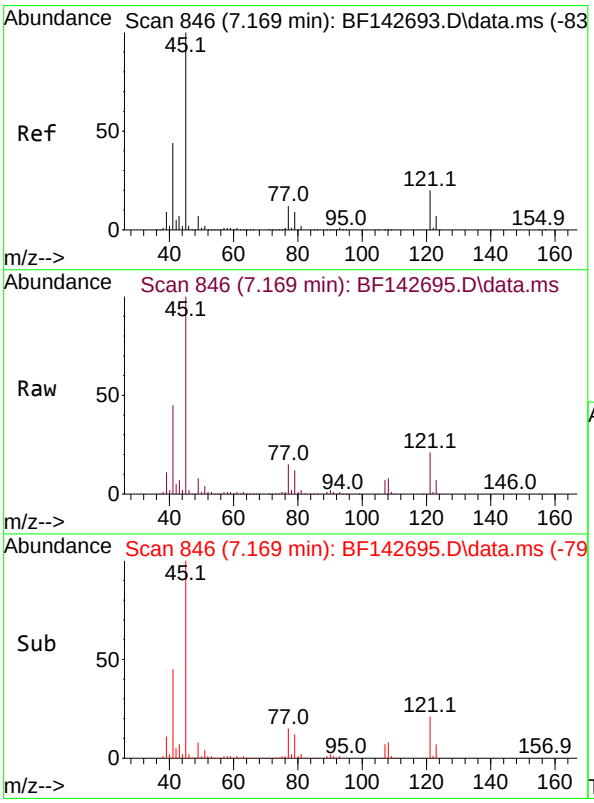
#15
Benzyl Alcohol
Concen: 62.164 ng
RT: 7.039 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 308308

Ion	Ratio	Lower	Upper
79	100		
108	80.1	64.8	97.2
77	60.7	49.4	74.2

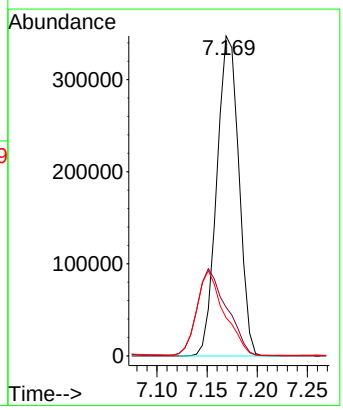


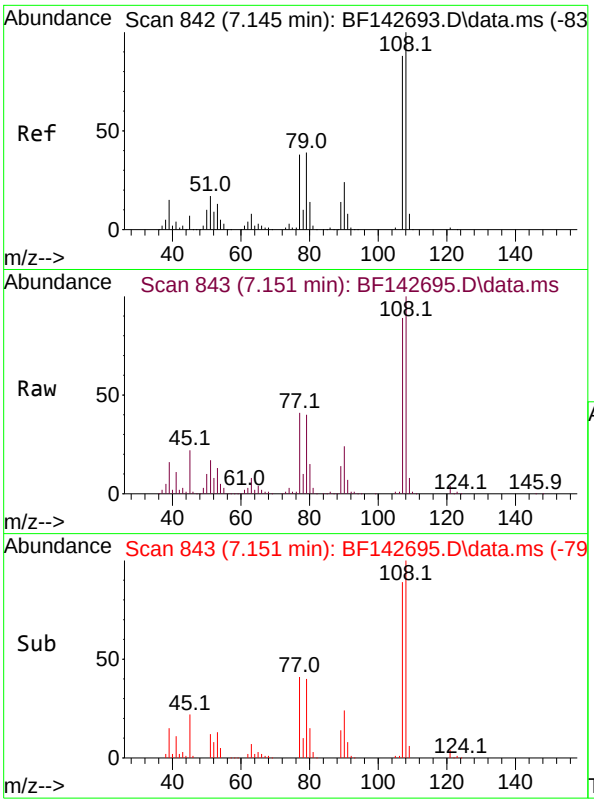


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.995 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 45 Resp: 531359

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	32.8
79	11.9	0.0	30.3



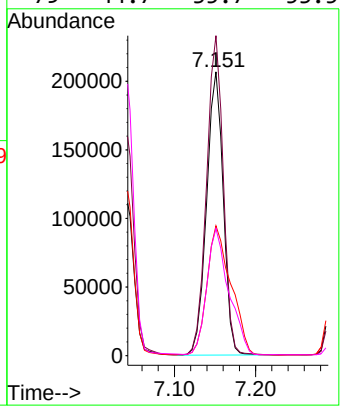


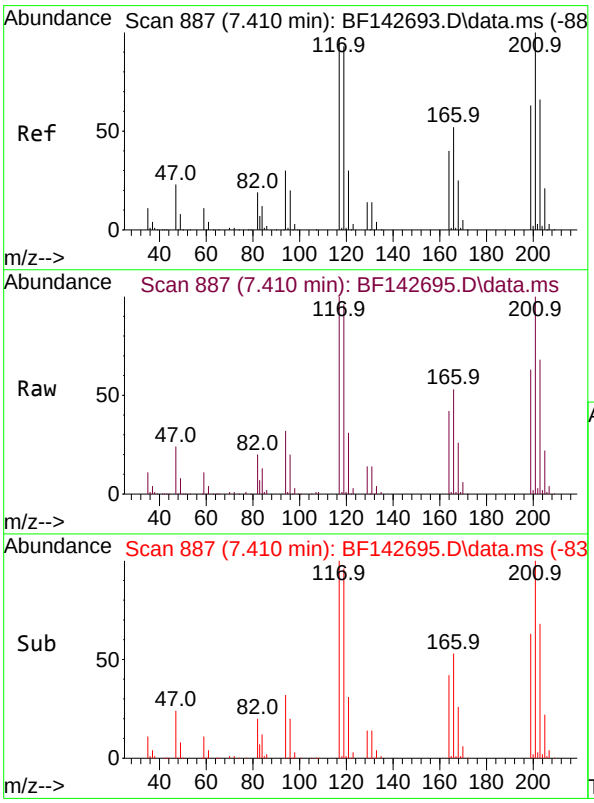
#17
2-Methylphenol
Concen: 61.168 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 295863

Ion	Ratio	Lower	Upper
107	100		
108	112.7	91.0	136.4
77	45.8	34.9	52.3
79	44.7	35.7	53.5

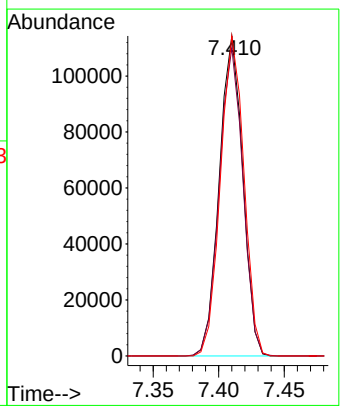


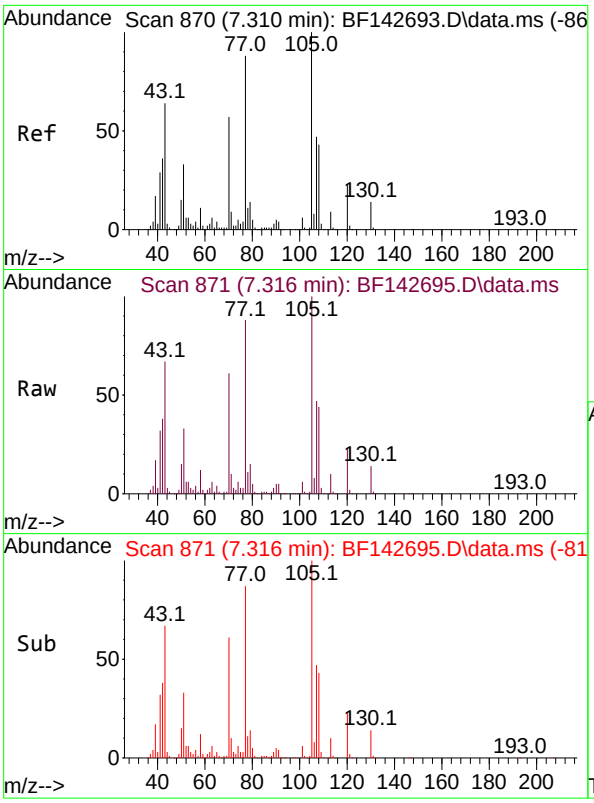


#18
Hexachloroethane
Concen: 57.358 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:117 Resp: 142334

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
201	100.1	82.6	123.8



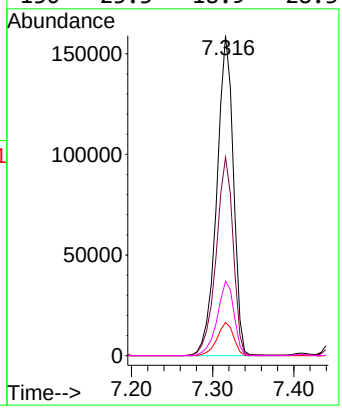


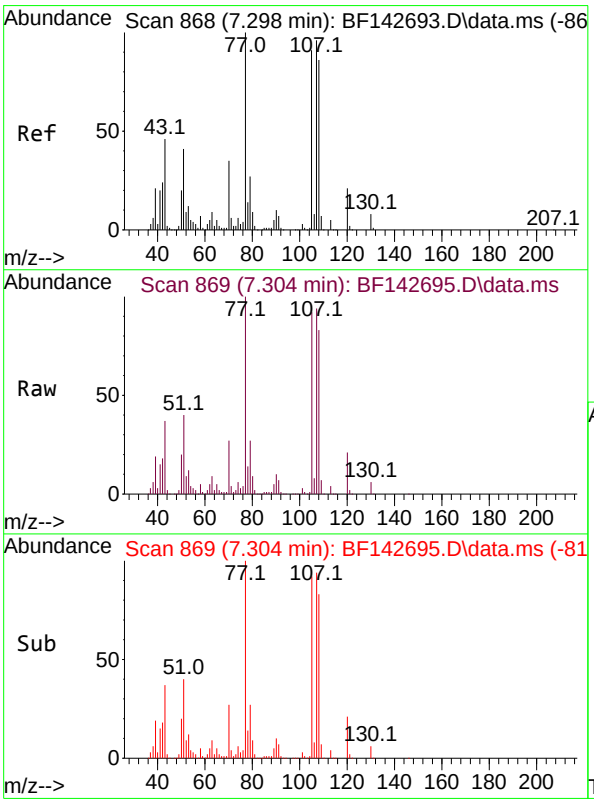
#19
n-Nitroso-di-n-propylamine
Concen: 56.847 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 225935

Ion	Ratio	Lower	Upper
70	100		
42	62.0	50.1	75.1
101	10.4	8.1	12.1
130	23.3	18.9	28.3

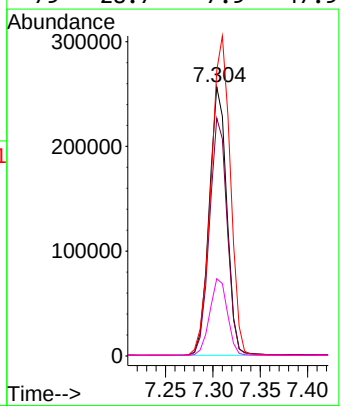


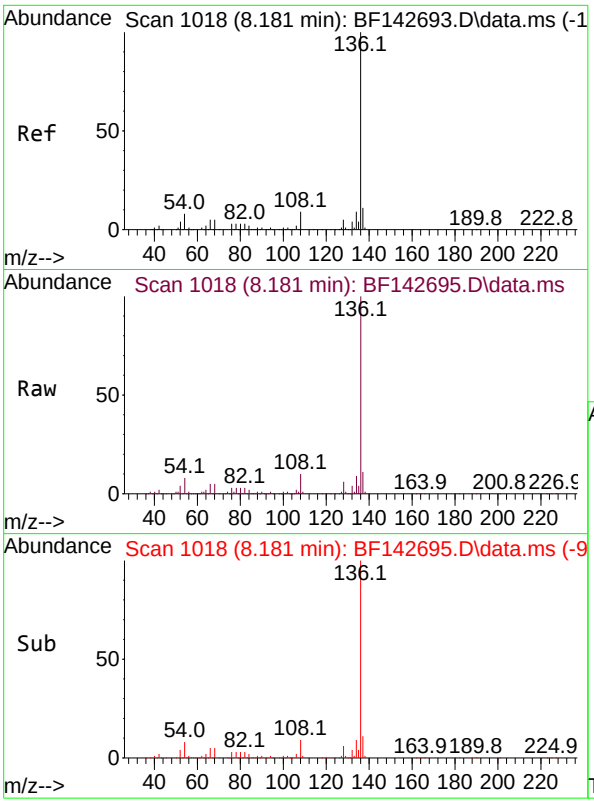


#20
3+4-Methylphenols
Concen: 55.712 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:107 Resp: 331876

Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.5	109.5
77	106.0	83.6	123.6
79	28.7	7.9	47.9



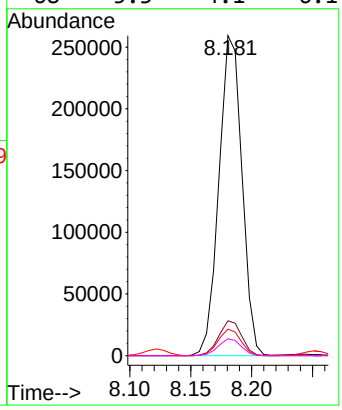


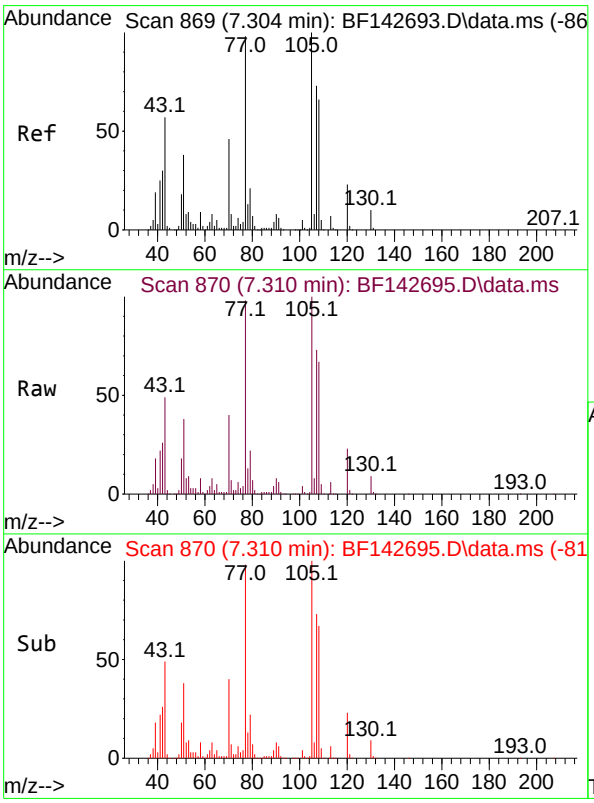
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 340625

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.3	6.4	9.6
68	5.3	4.1	6.1

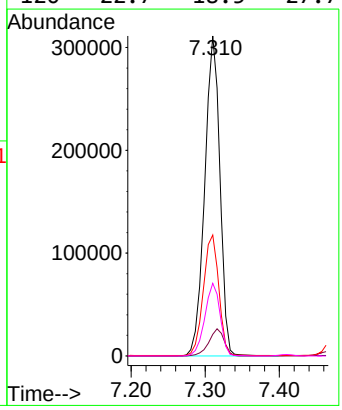


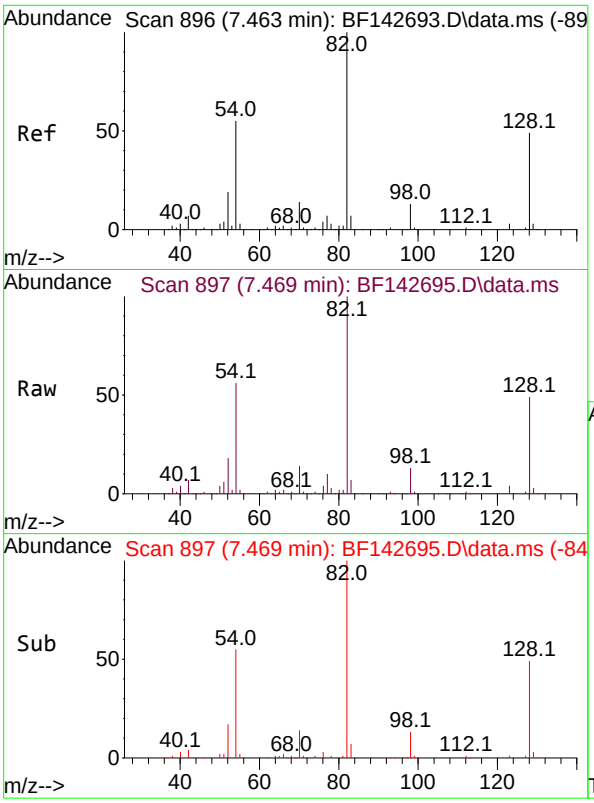


#22
Acetophenone
Concen: 59.566 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:105 Resp: 443526

Ion	Ratio	Lower	Upper
105	100		
71	6.7	6.2	9.2
51	37.8	30.8	46.2
120	22.7	18.5	27.7



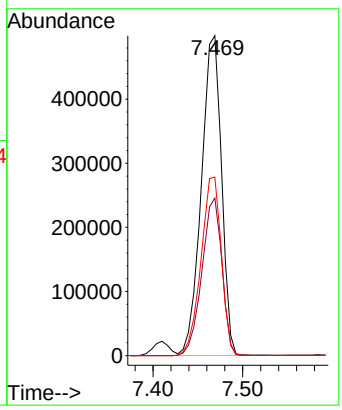


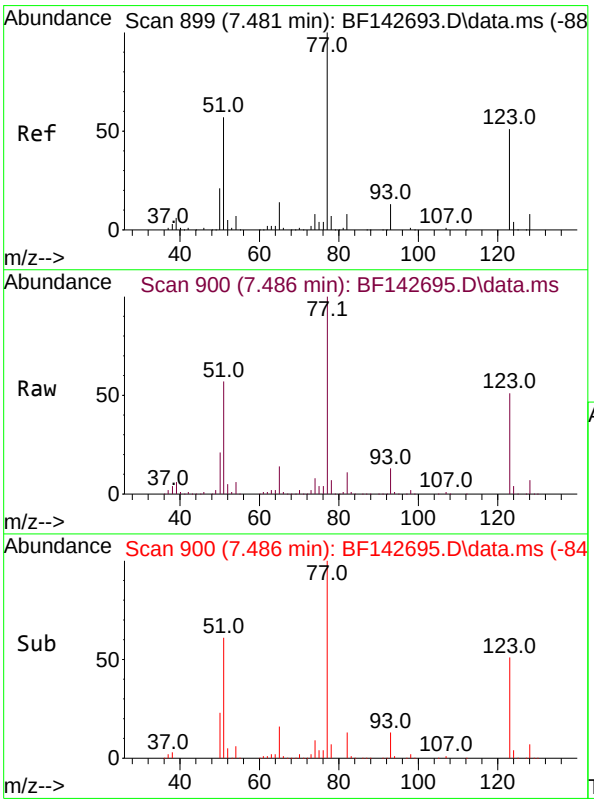
#23
Nitrobenzene-d5
Concen: 125.547 ng
RT: 7.469 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 778150

Ion	Ratio	Lower	Upper
82	100		
128	49.2	39.3	58.9
54	55.8	44.2	66.2

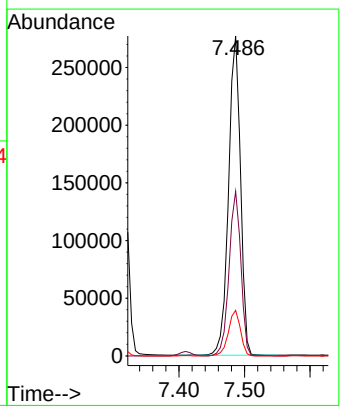


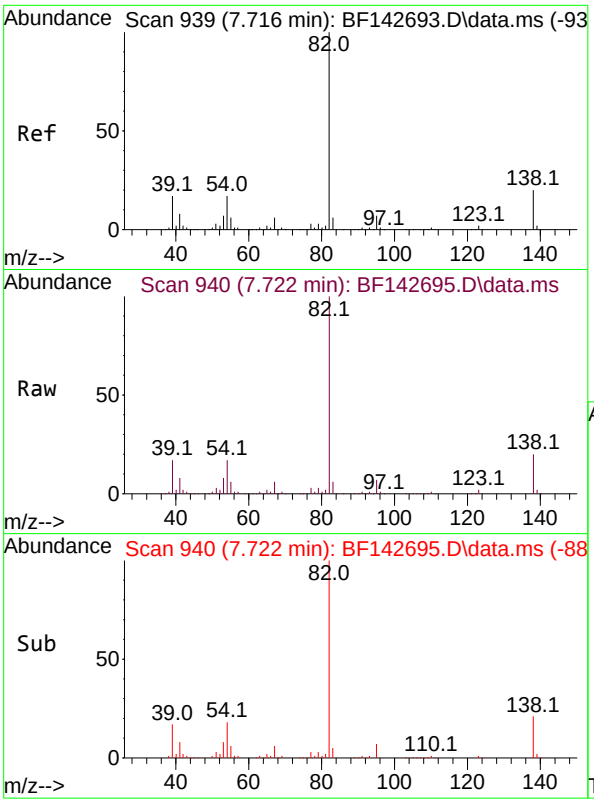


#24
Nitrobenzene
Concen: 62.721 ng
RT: 7.486 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 77 Resp: 350593

Ion	Ratio	Lower	Upper
77	100		
123	51.4	41.3	61.9
65	14.2	11.2	16.8



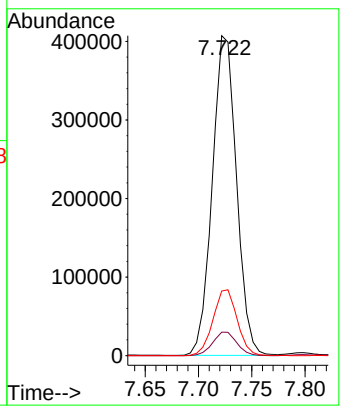


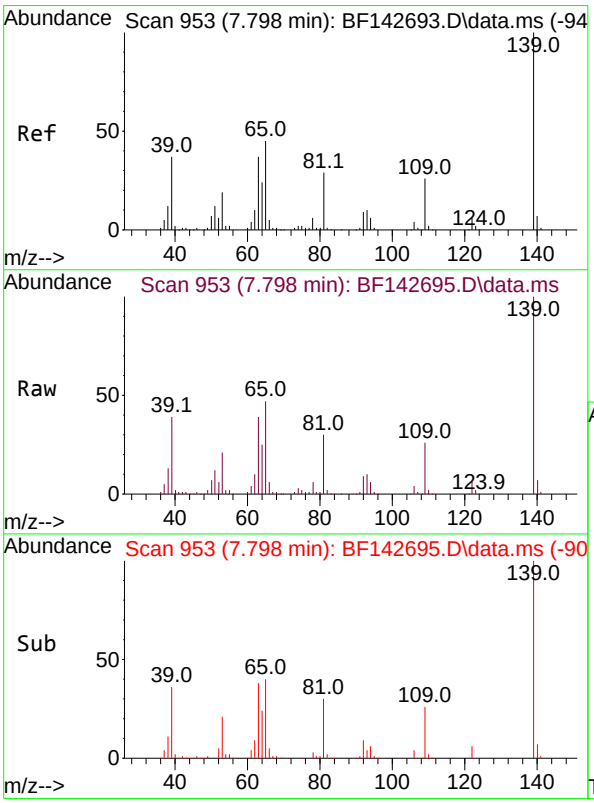
#25
Isophorone
Concen: 64.242 ng
RT: 7.722 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 646008

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.9	8.9
138	20.2	16.1	24.1

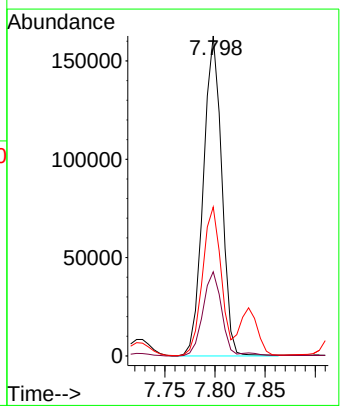


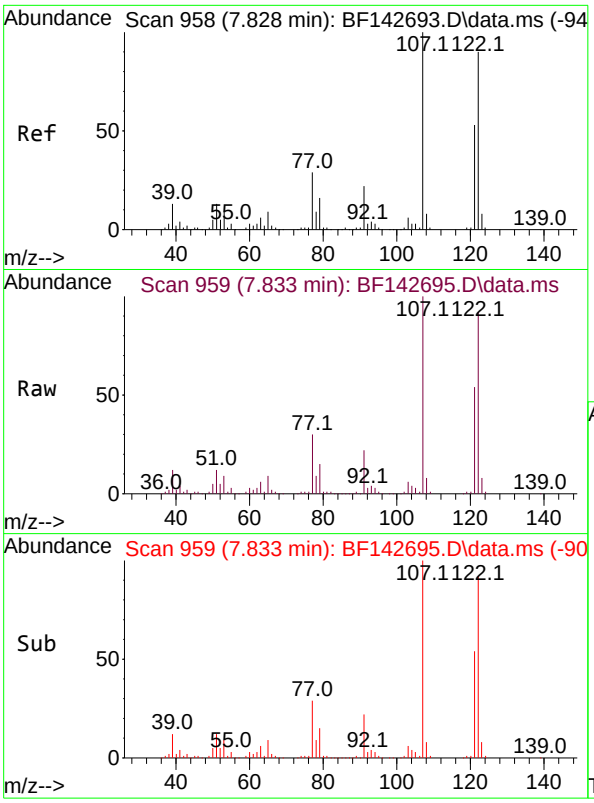


#26
2-Nitrophenol
Concen: 67.377 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:139 Resp: 207744

Ion	Ratio	Lower	Upper
139	100		
109	26.3	21.0	31.6
65	46.5	36.2	54.2



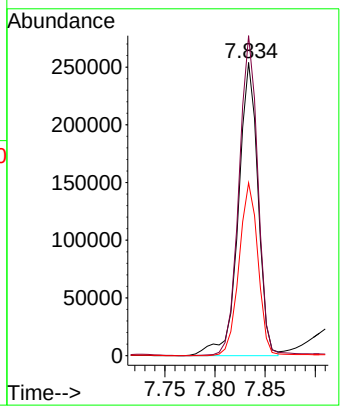


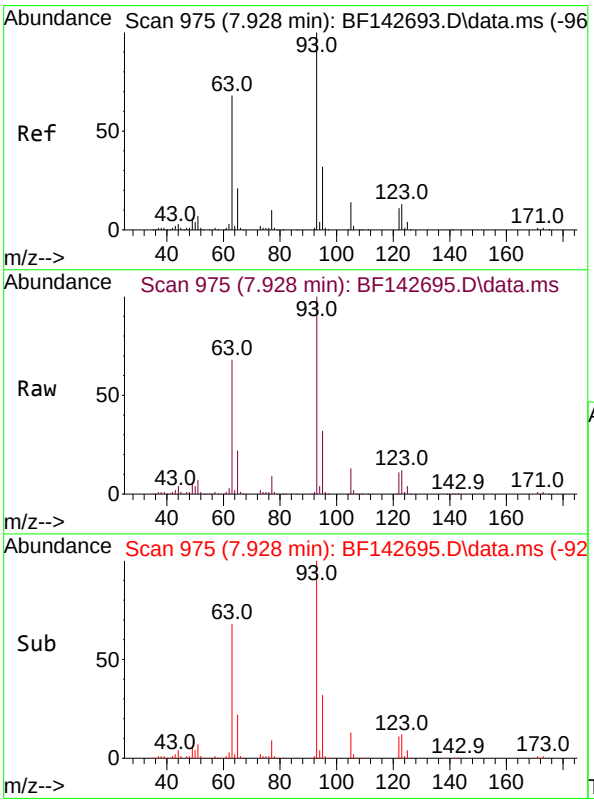
#27
2,4-Dimethylphenol
Concen: 65.710 ng
RT: 7.833 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 344331

Ion	Ratio	Lower	Upper
122	100		
107	109.2	89.4	134.2
121	59.0	47.1	70.7

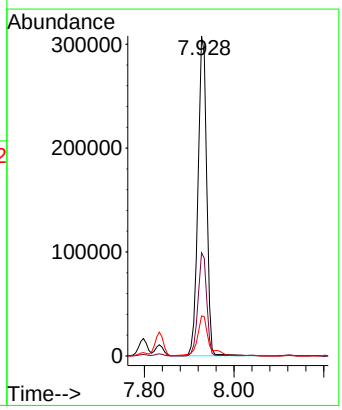


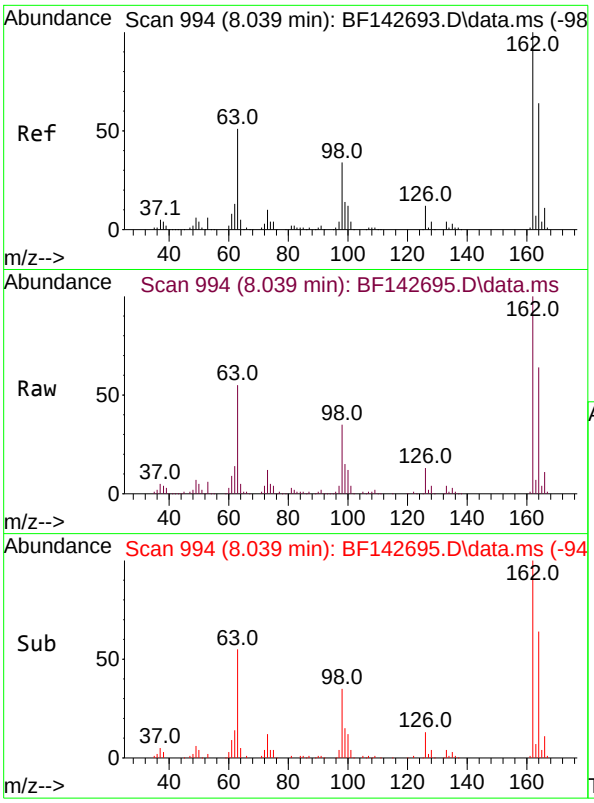


#28
bis(2-Chloroethoxy)methane
Concen: 65.581 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 93 Resp: 413622

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.4	38.2
123	12.5	10.5	15.7



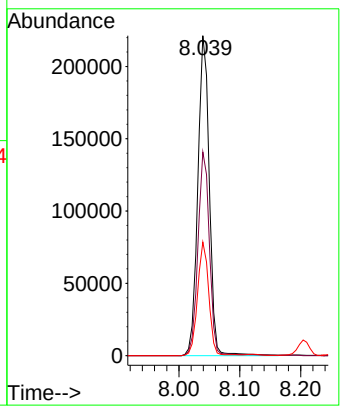


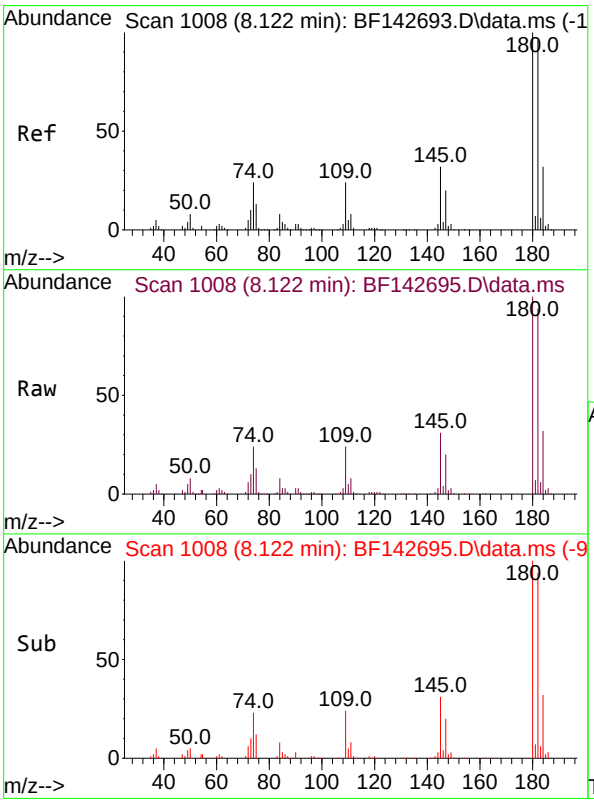
#29
2,4-Dichlorophenol
Concen: 60.396 ng
RT: 8.039 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 289939

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.0	84.0
98	35.5	14.4	54.4

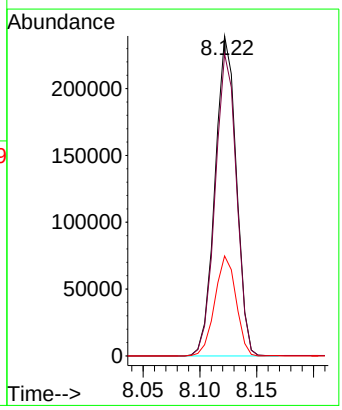


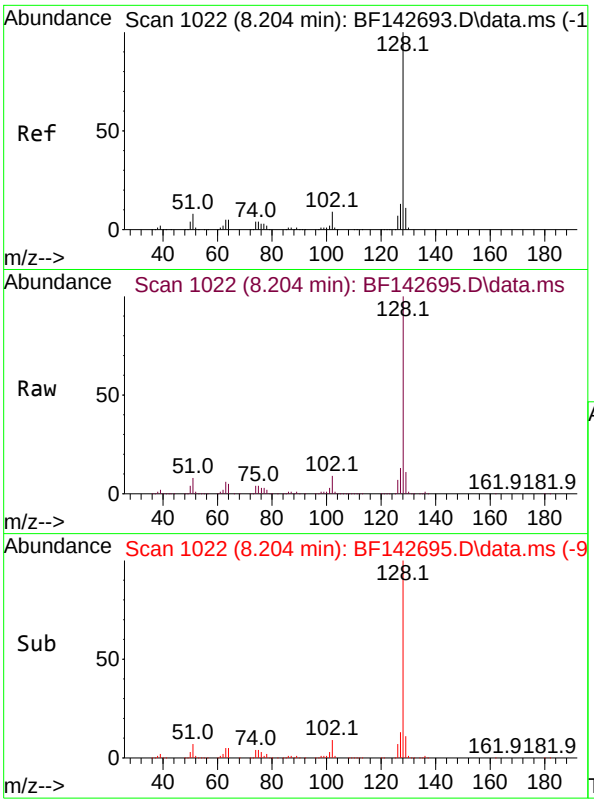


#30
1,2,4-Trichlorobenzene
Concen: 59.537 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:180 Resp: 311759

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.6	114.8
145	31.2	25.4	38.0



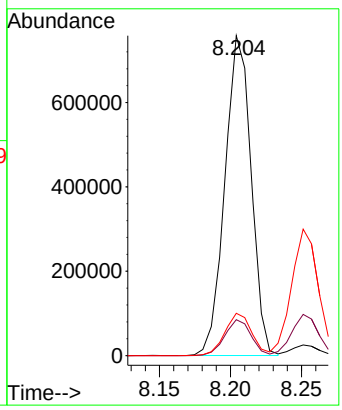


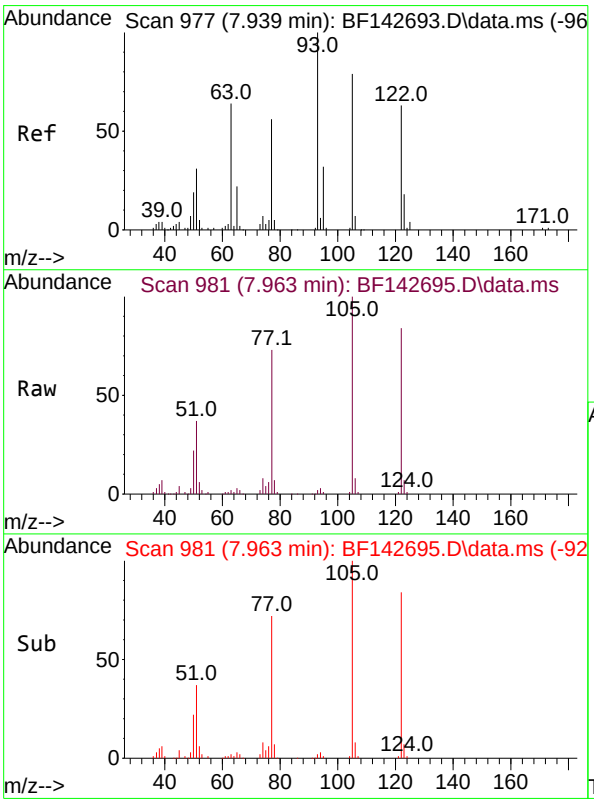
#31
Naphthalene
Concen: 58.027 ng
RT: 8.204 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 973979

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.6	15.8

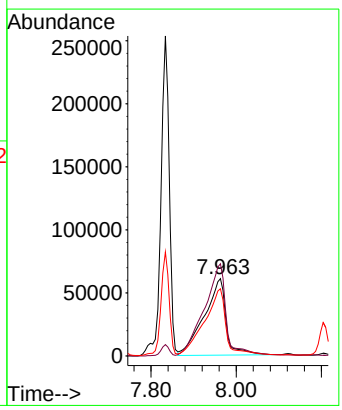


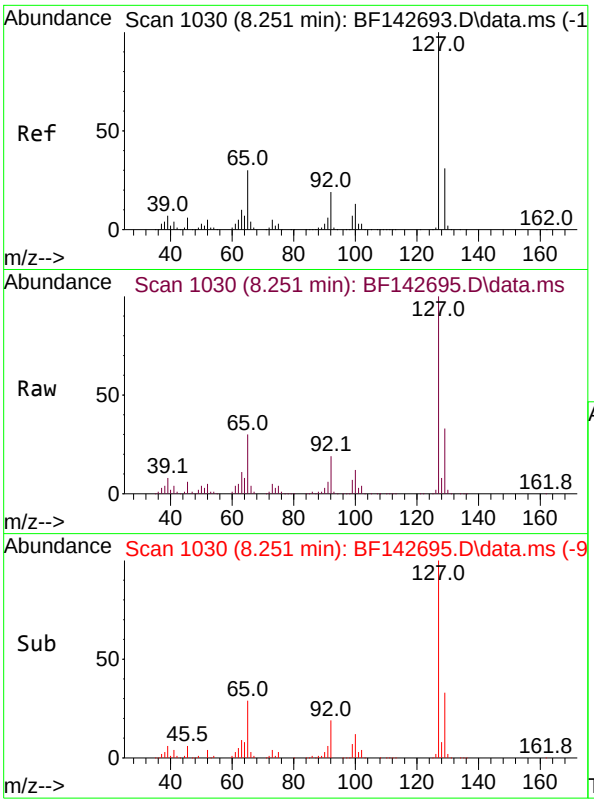


#32
Benzoic acid
Concen: 68.338 ng
RT: 7.963 min Scan# 981
Delta R.T. 0.023 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:122 Resp: 217394

Ion	Ratio	Lower	Upper
122	100		
105	119.1	100.3	140.3
77	87.0	67.9	107.9



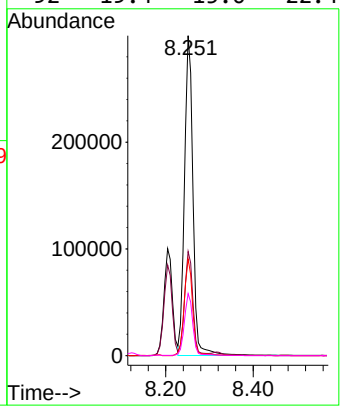


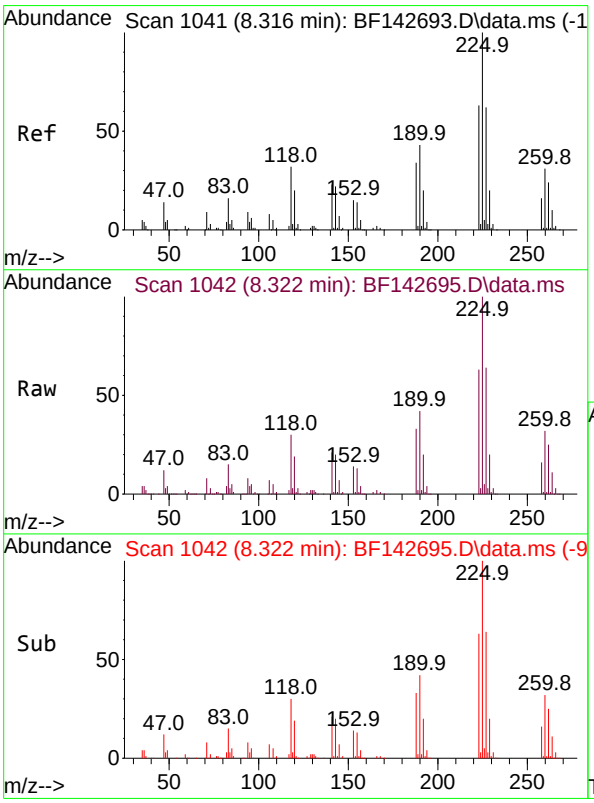
#33
4-Chloroaniline
Concen: 58.735 ng
RT: 8.251 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 405309

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	30.2	23.8	35.6
92	19.4	15.0	22.4

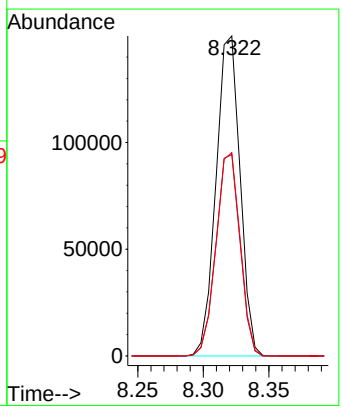


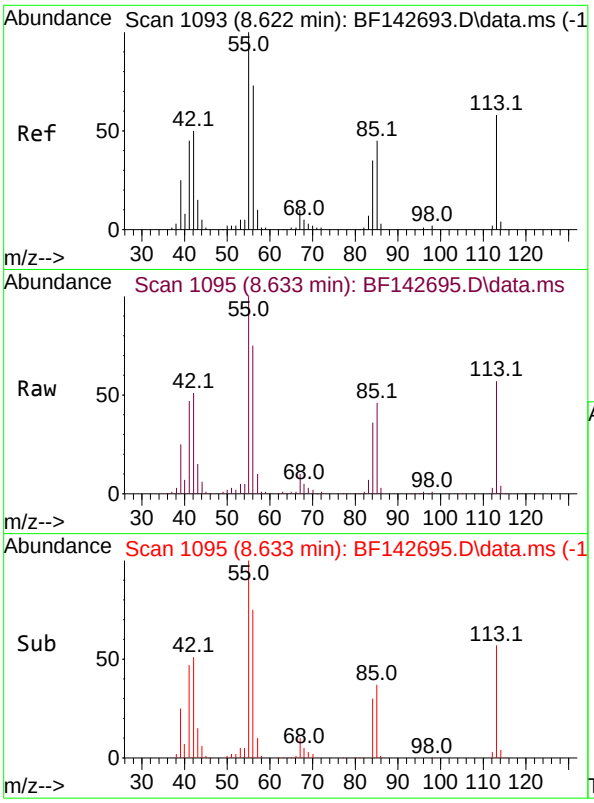


#34
Hexachlorobutadiene
Concen: 59.345 ng
RT: 8.322 min Scan# 1042
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:225 Resp: 191388

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	63.5	49.8	74.8



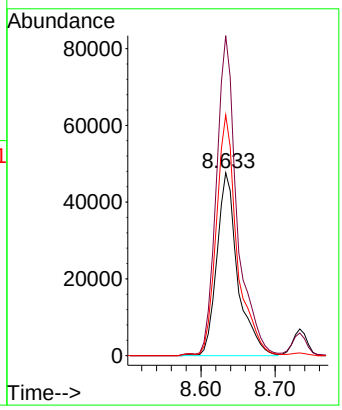


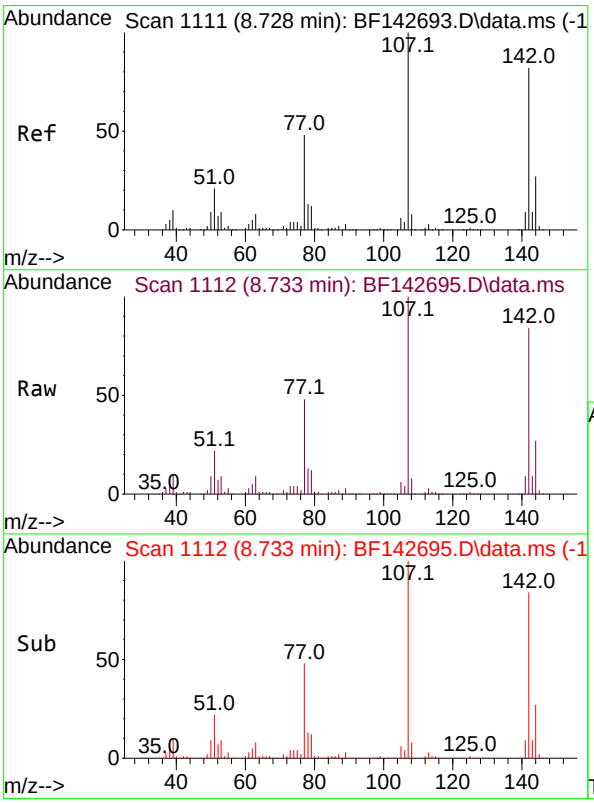
#35
Caprolactam
Concen: 63.085 ng
RT: 8.633 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 93019

Ion	Ratio	Lower	Upper
113	100		
55	175.1	152.9	192.9
56	131.8	106.6	146.6

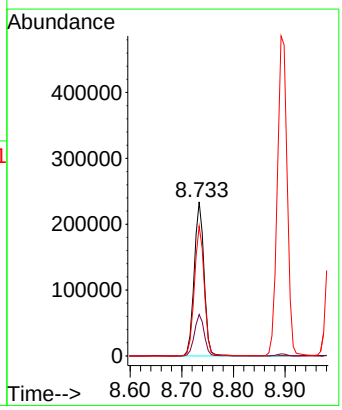


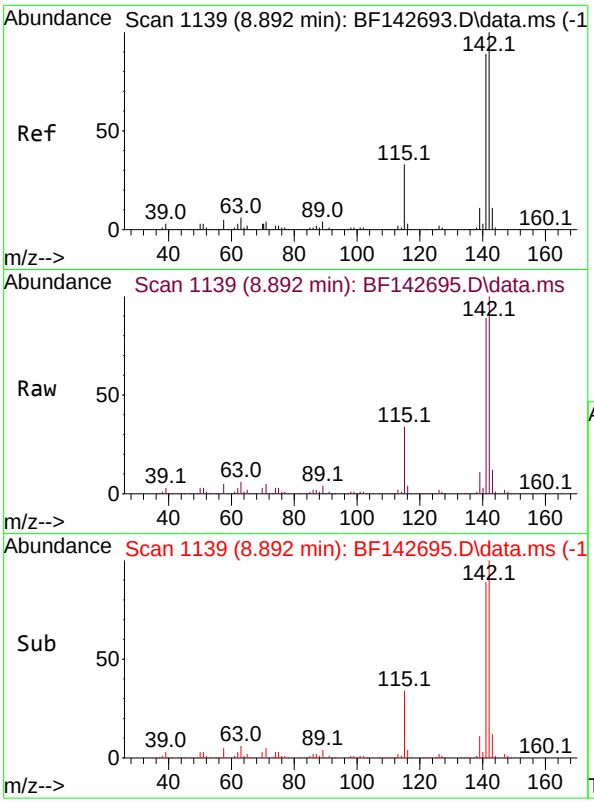


#36
4-Chloro-3-methylphenol
Concen: 62.403 ng
RT: 8.733 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:107 Resp: 309007

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.5	32.3
142	84.4	65.5	98.3



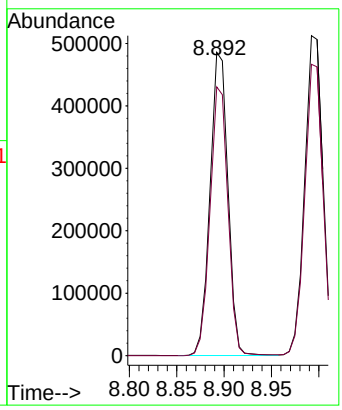


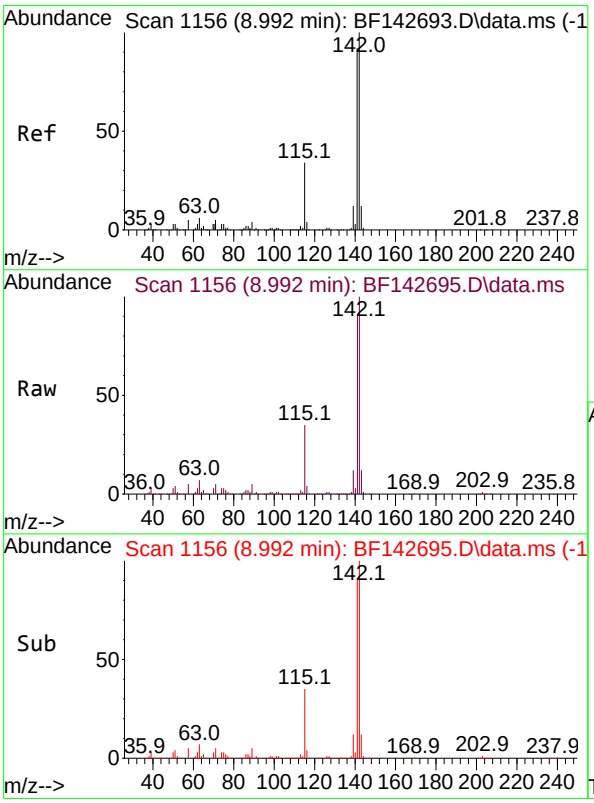
#37
2-Methylnaphthalene
Concen: 60.495 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 638919

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2

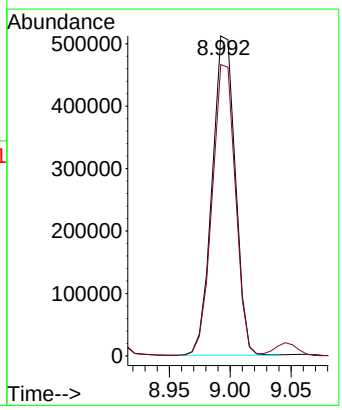


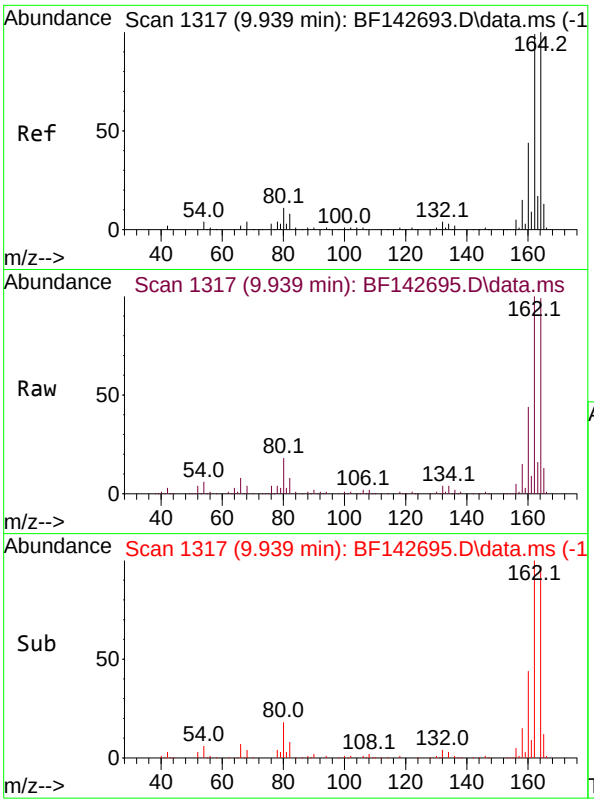


#38
1-Methylnaphthalene
Concen: 62.000 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:142 Resp: 678099

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.7	110.5



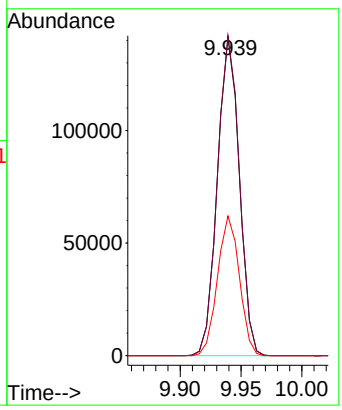


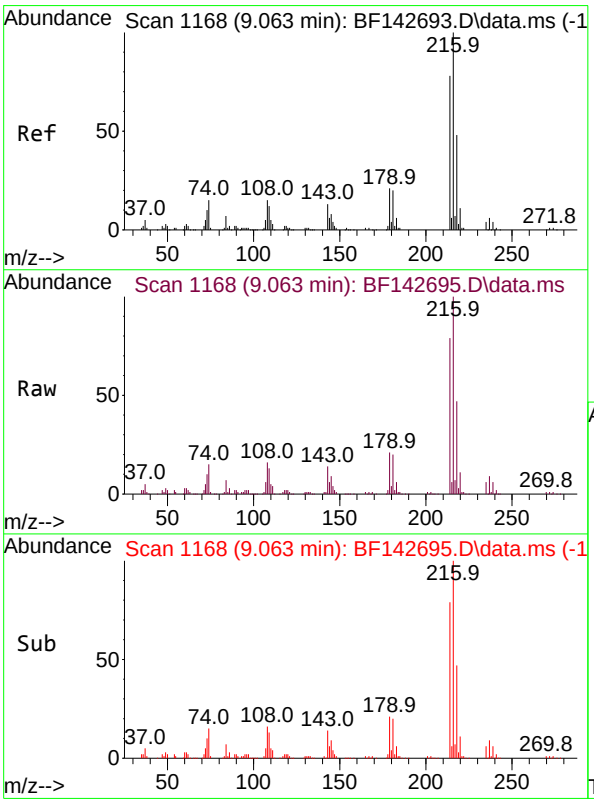
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 177633

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.1	118.7
160	43.9	35.4	53.0

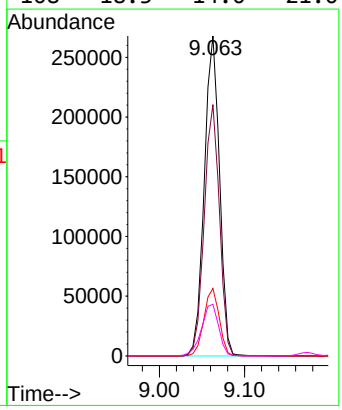


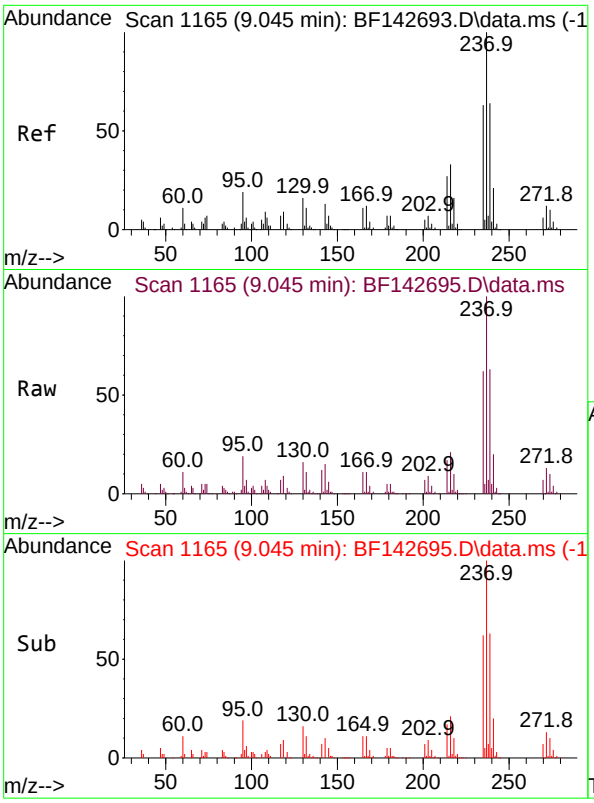


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.773 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:216 Resp: 332509

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.6
179	21.2	16.6	25.0
108	18.3	14.0	21.0



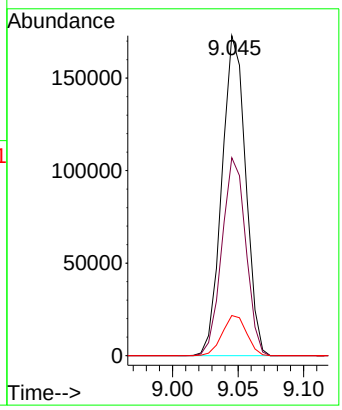


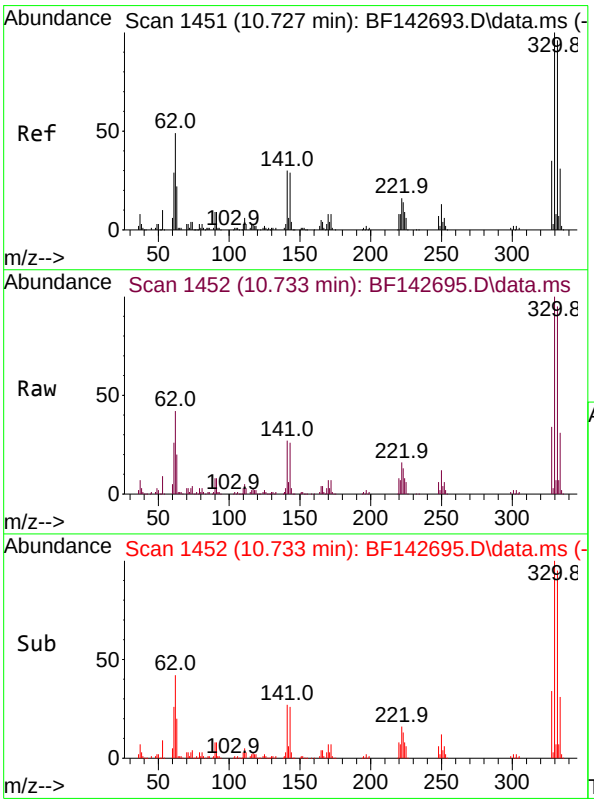
#41
Hexachlorocyclopentadiene
Concen: 72.419 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 218314

Ion	Ratio	Lower	Upper
237	100		
235	61.8	43.1	83.1
272	12.5	0.0	32.5

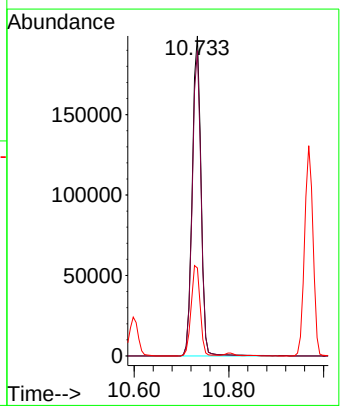


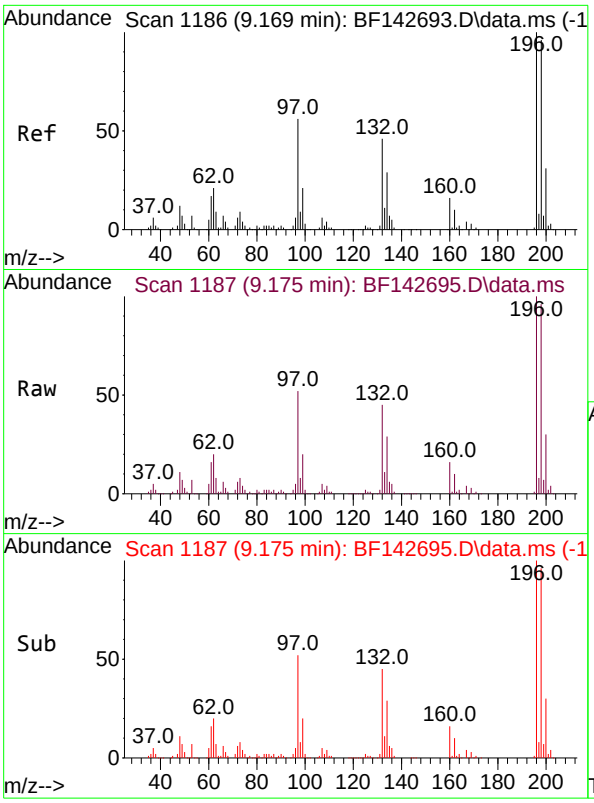


#42
2,4,6-Tribromophenol
Concen: 127.535 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:330 Resp: 254526

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	29.2	23.5	35.3



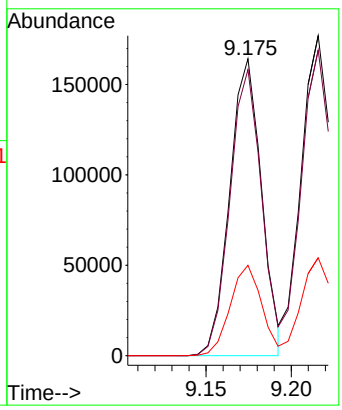


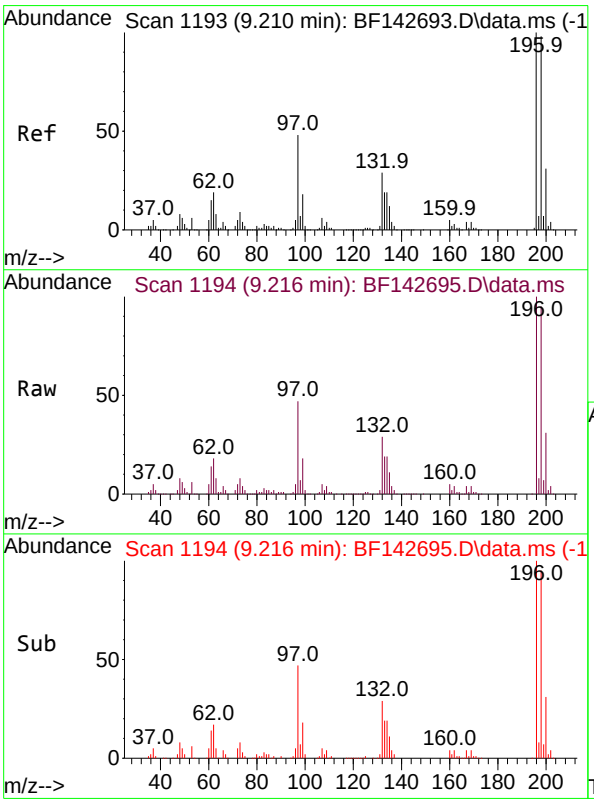
#43
2,4,6-Trichlorophenol
Concen: 63.198 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 212874

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.1	115.7
200	30.4	24.5	36.7

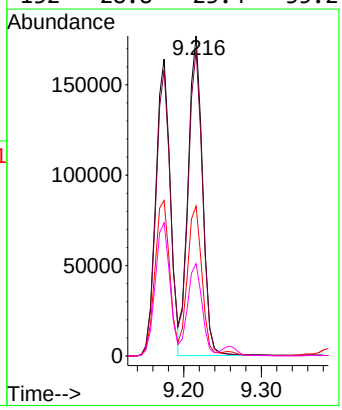


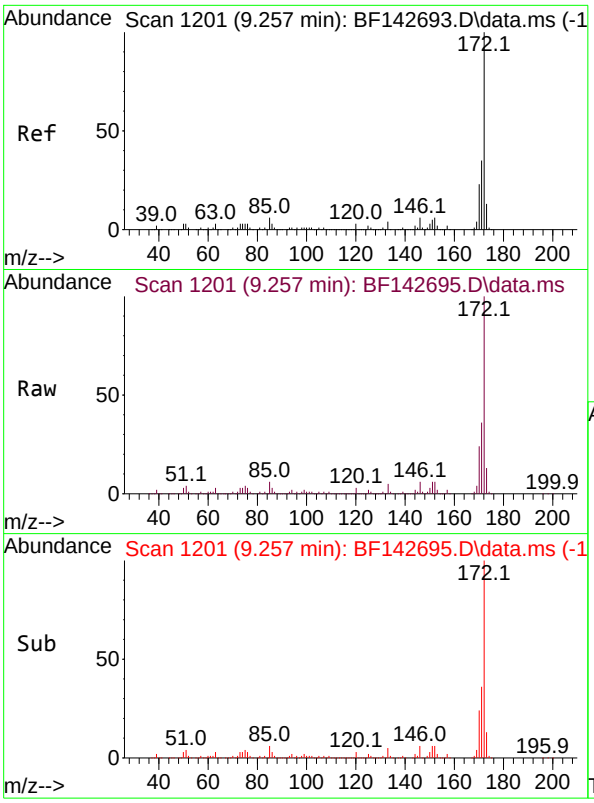


#44
2,4,5-Trichlorophenol
Concen: 63.306 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:196 Resp: 227756

Ion	Ratio	Lower	Upper
196	100		
198	95.5	78.2	117.2
97	46.8	39.2	58.8
132	28.8	23.4	35.2



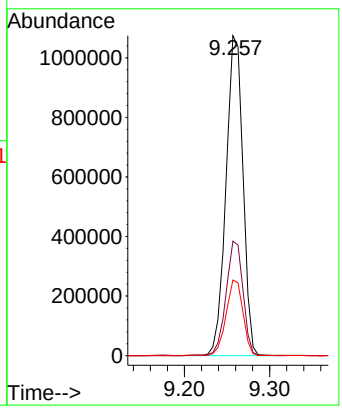


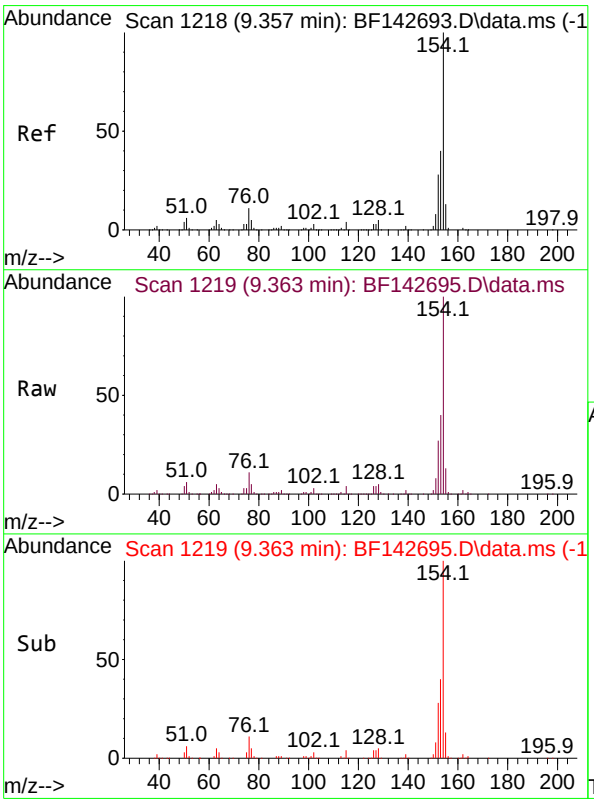
#45
2-Fluorobiphenyl
Concen: 114.392 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1485835

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.3	42.5
170	23.6	18.7	28.1

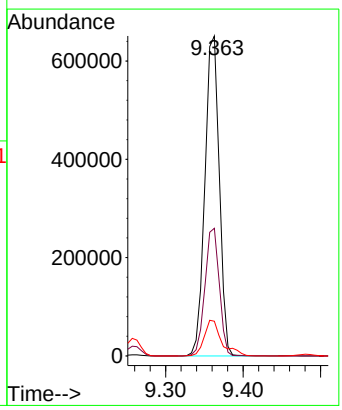


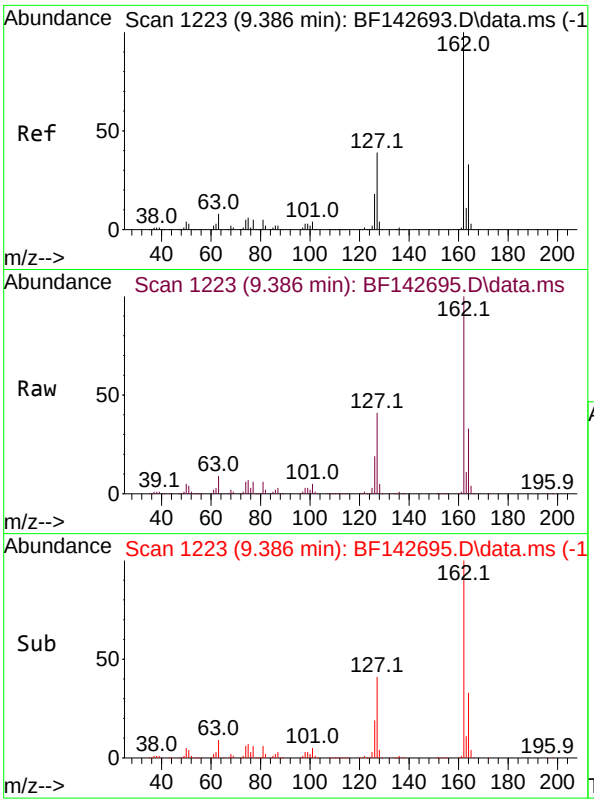


#46
1,1'-Biphenyl
Concen: 60.861 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:154 Resp: 840662

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.4	60.4
76	10.8	0.0	31.4



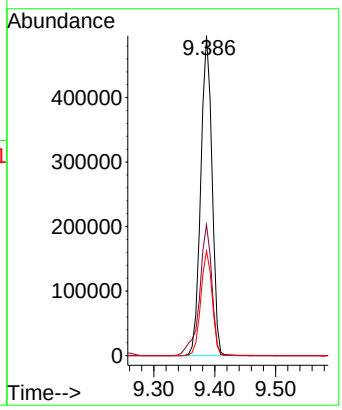


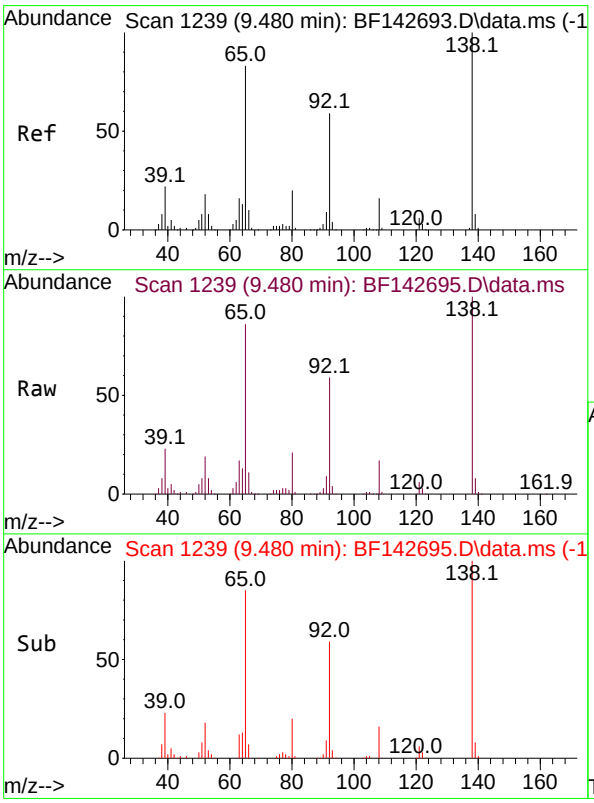
#47
2-Chloronaphthalene
Concen: 61.448 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 635951

Ion	Ratio	Lower	Upper
162	100		
127	40.8	31.7	47.5
164	32.7	26.2	39.4

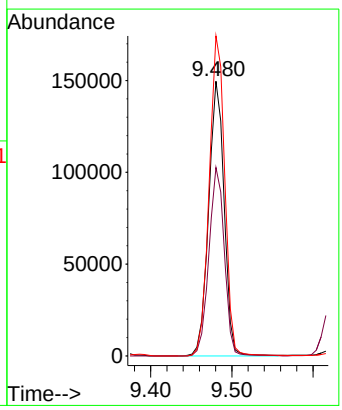


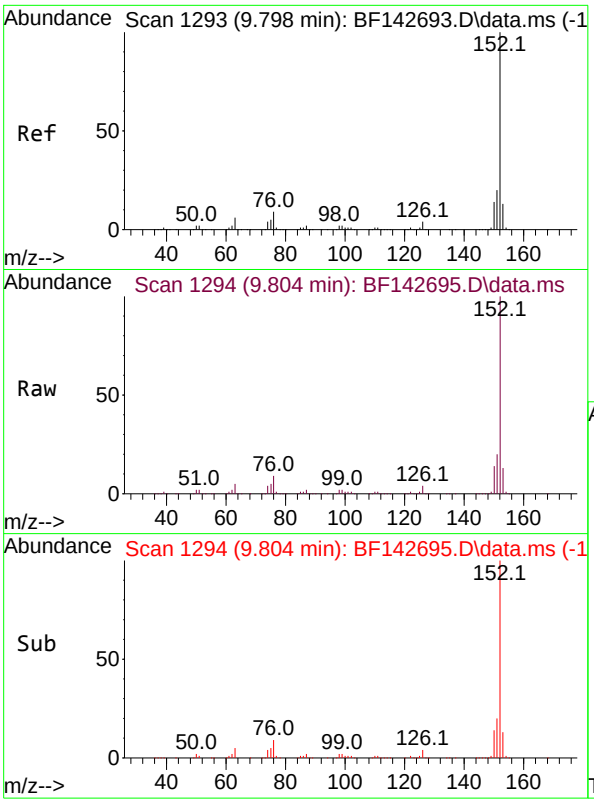


#48
2-Nitroaniline
Concen: 64.536 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion: 65 Resp: 198756

Ion	Ratio	Lower	Upper
65	100		
92	68.6	56.3	84.5
138	116.5	95.9	143.9



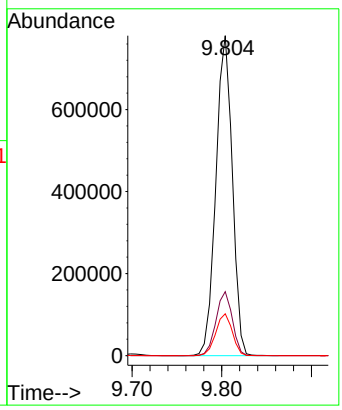


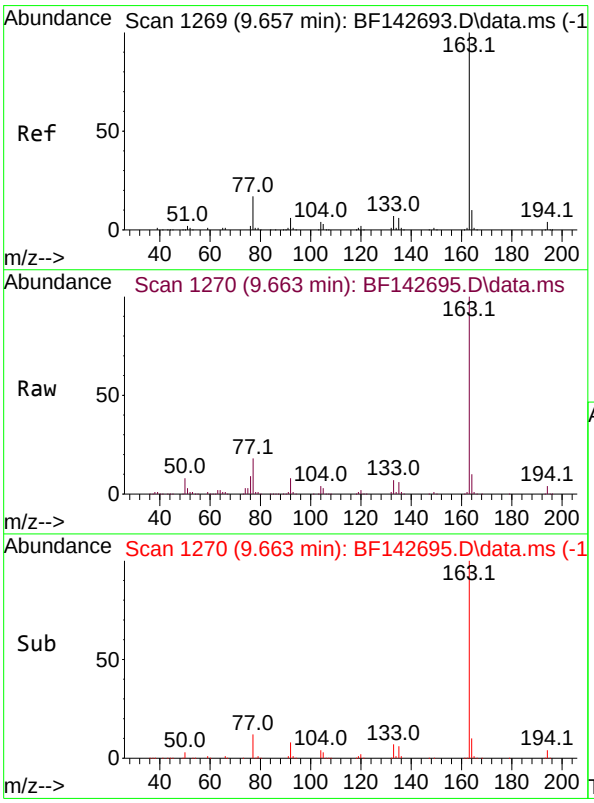
#49
Acenaphthylene
Concen: 58.254 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 999215

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.1	10.5	15.7

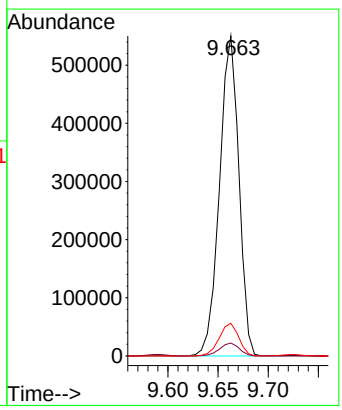


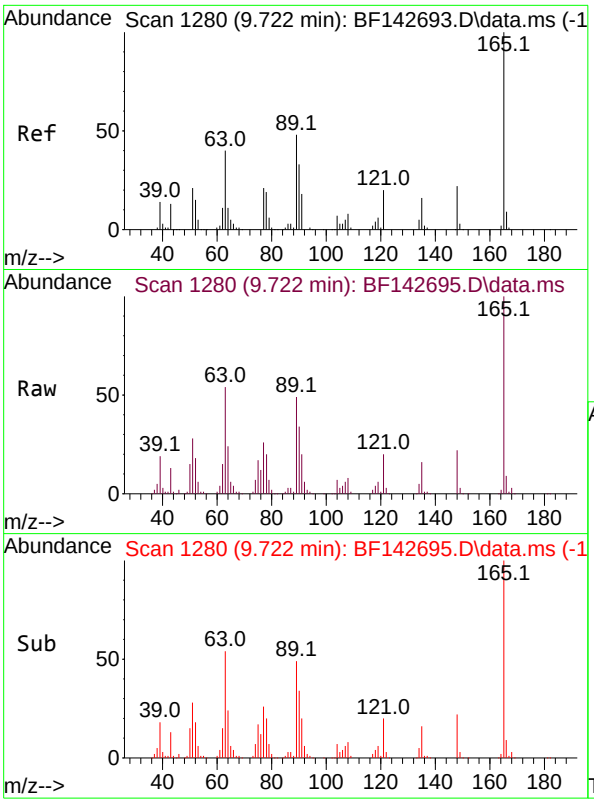


#50
Dimethylphthalate
Concen: 61.916 ng
RT: 9.663 min Scan# 1270
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:163 Resp: 739979

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.1	12.1



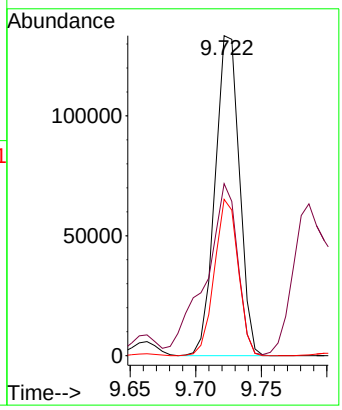


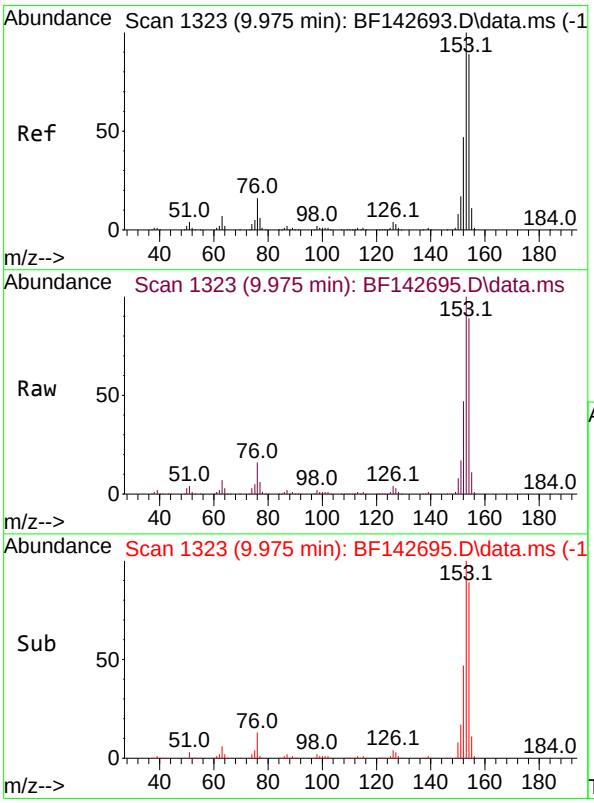
#51
2,6-Dinitrotoluene
Concen: 66.817 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 172744

Ion	Ratio	Lower	Upper
165	100		
63	53.7	41.3	61.9
89	48.8	38.1	57.1

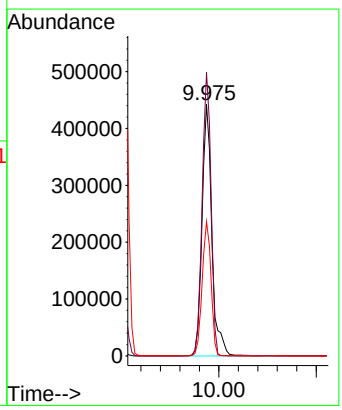


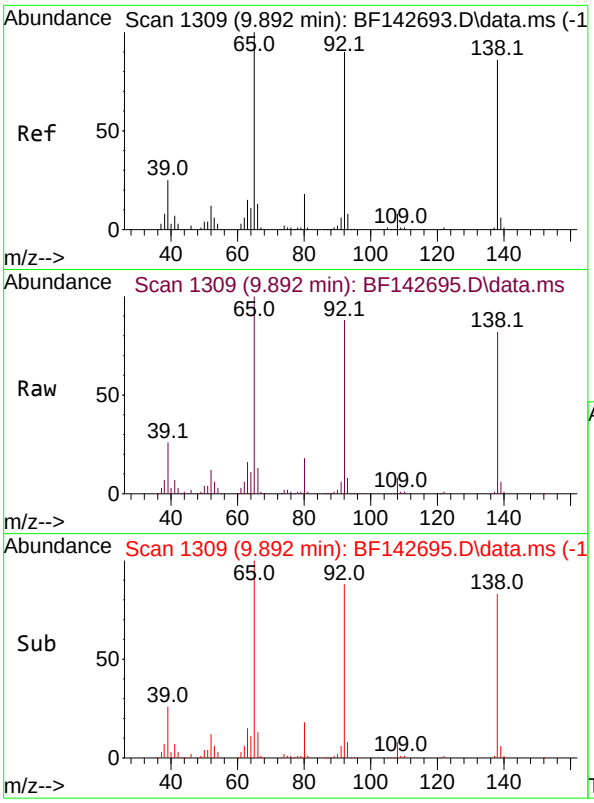


#52
Acenaphthene
Concen: 58.770 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:154 Resp: 616664

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.5	134.3
152	53.4	41.8	62.8



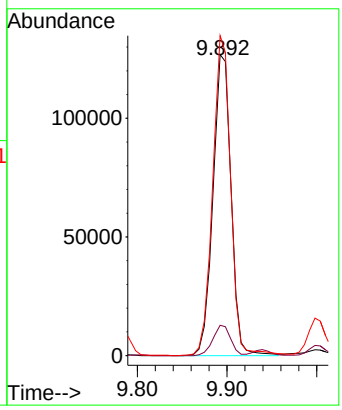


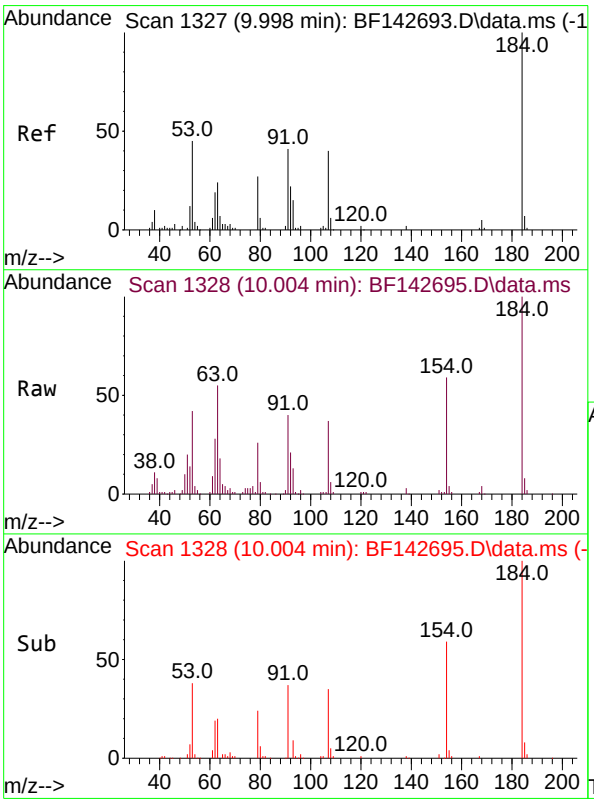
#53
3-Nitroaniline
Concen: 61.164 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 177678

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.7	11.5
92	106.3	83.4	125.0

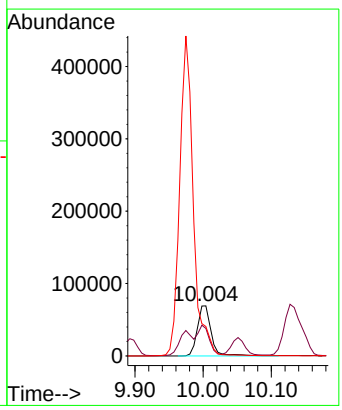


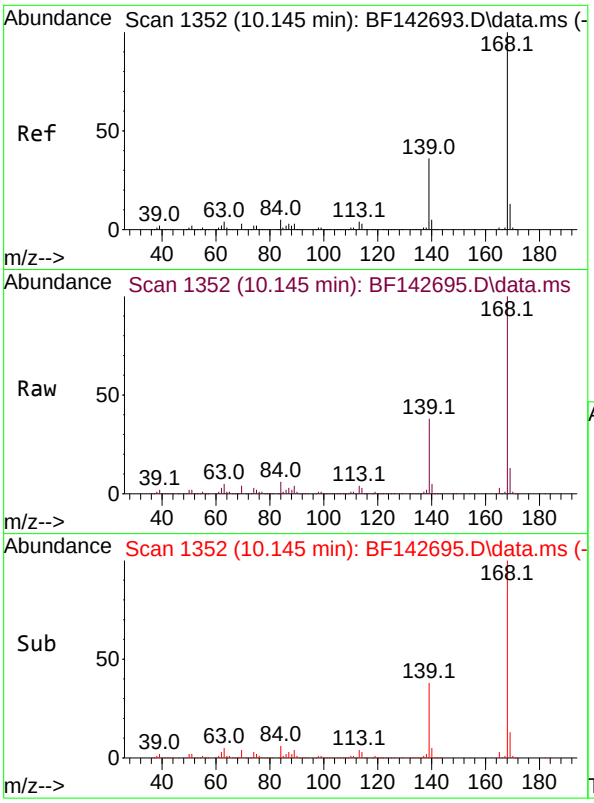


#54
2,4-Dinitrophenol
Concen: 67.812 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:184 Resp: 97065

Ion	Ratio	Lower	Upper
184	100		
63	54.7	47.4	71.0
154	58.8	48.6	73.0



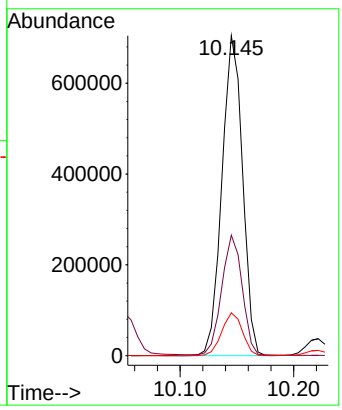


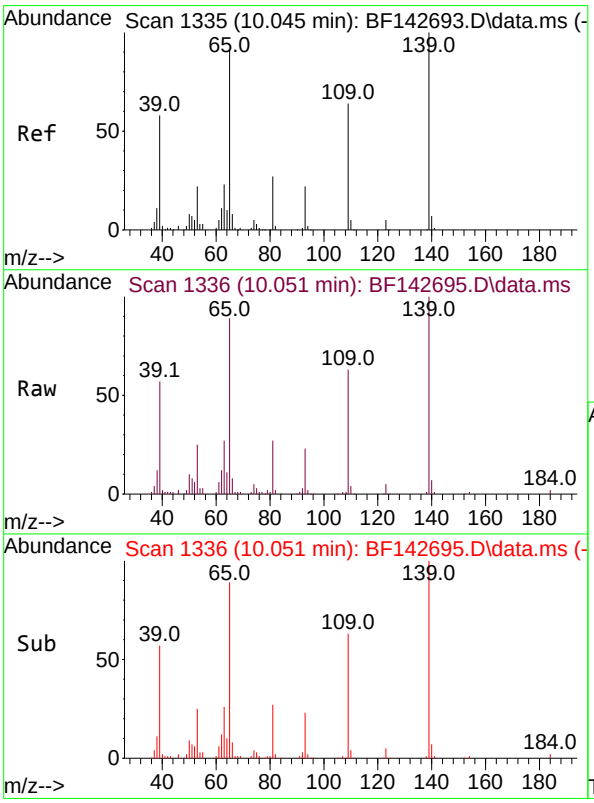
#55
Dibenzofuran
Concen: 58.914 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 886854

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.2	43.8
169	13.4	10.7	16.1

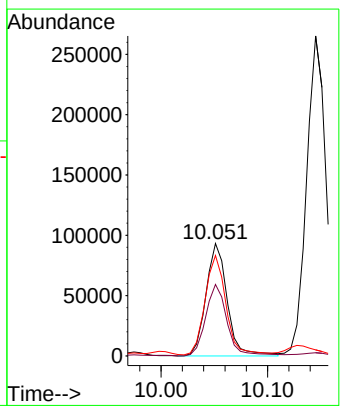


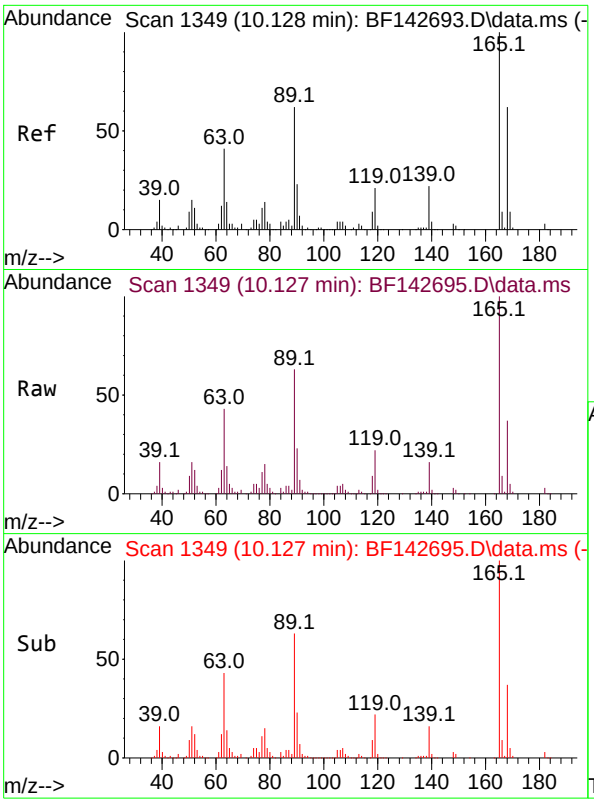


#56
4-Nitrophenol
Concen: 64.692 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:139 Resp: 129174

Ion	Ratio	Lower	Upper
139	100		
109	63.5	44.4	84.4
65	89.3	72.1	112.1



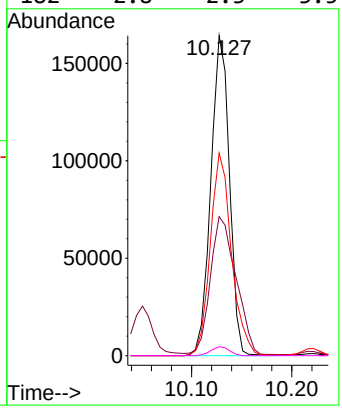


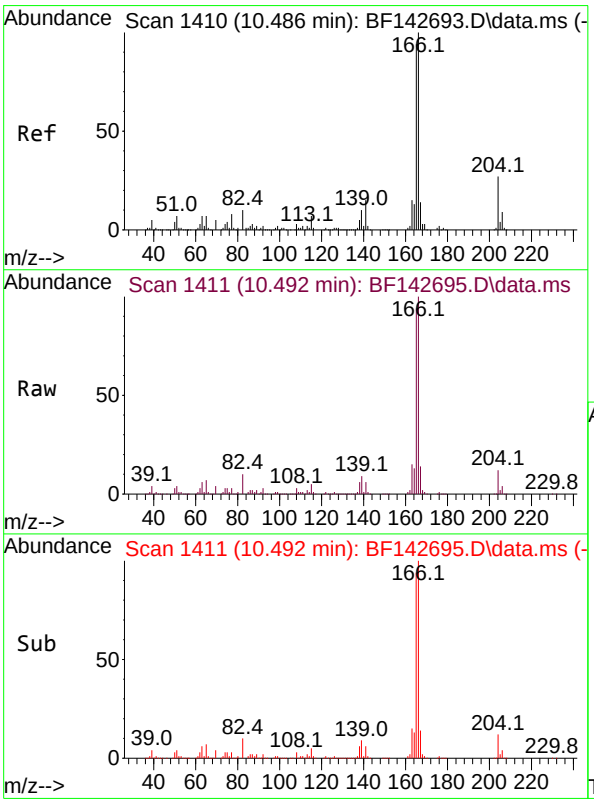
#57
2,4-Dinitrotoluene
Concen: 61.156 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 211934

Ion	Ratio	Lower	Upper
165	100		
63	43.4	33.6	50.4
89	63.3	49.4	74.0
182	2.8	2.3	3.5

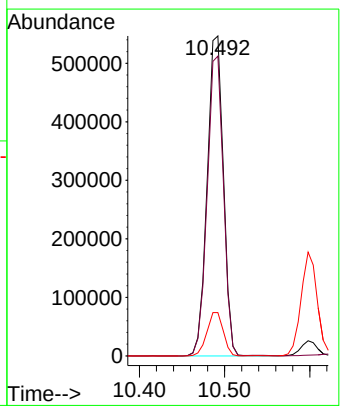


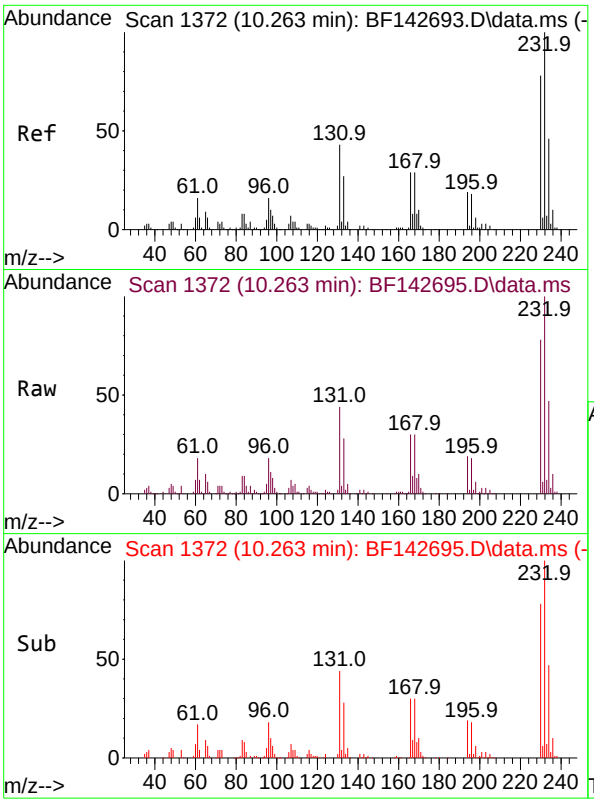


#58
Fluorene
Concen: 60.042 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:166 Resp: 722426

Ion	Ratio	Lower	Upper
166	100		
165	93.7	75.0	112.6
167	13.5	10.8	16.2



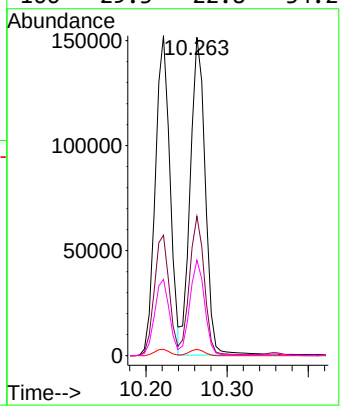


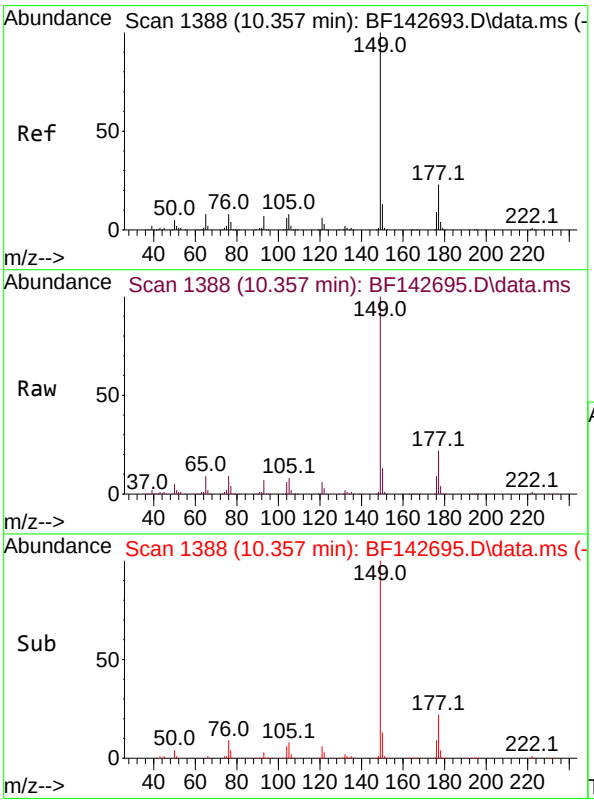
#59
2,3,4,6-Tetrachlorophenol
Concen: 64.115 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 194105

Ion	Ratio	Lower	Upper
232	100		
131	43.6	33.5	50.3
130	2.0	1.5	2.3
166	29.3	22.8	34.2

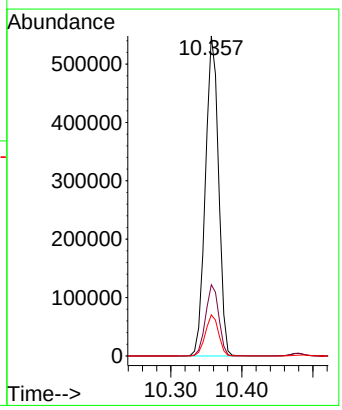


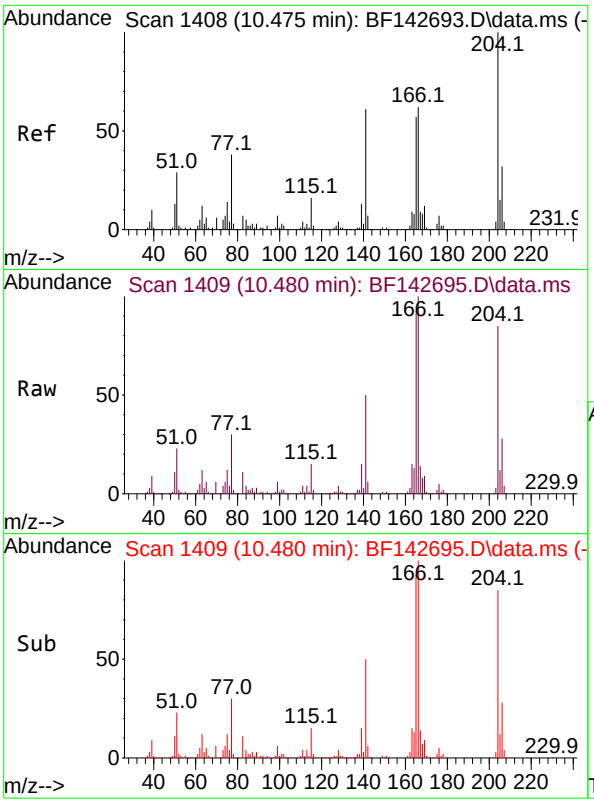


#60
Diethylphthalate
Concen: 60.625 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:149 Resp: 703400

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.8	10.0	15.0



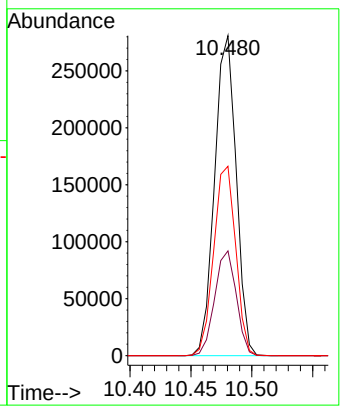


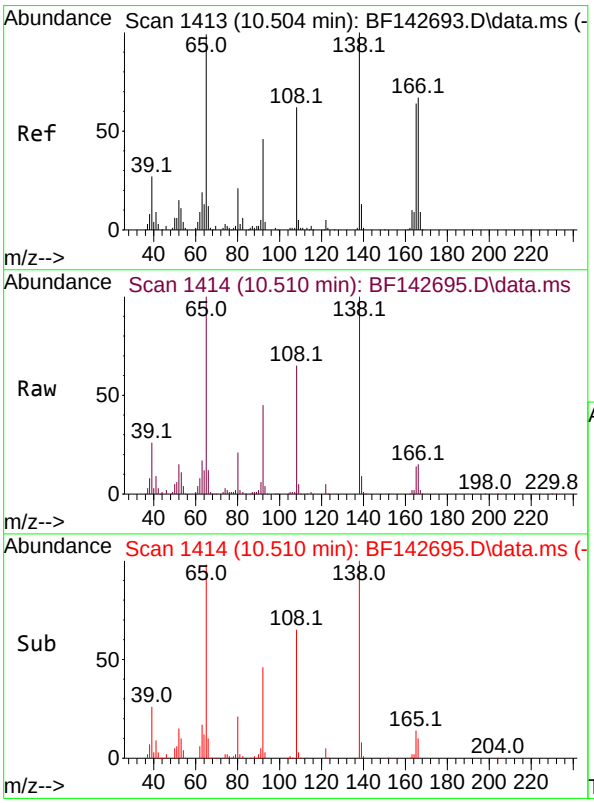
#61
4-Chlorophenyl-phenylether
Concen: 60.875 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 346296

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	59.2	48.9	73.3

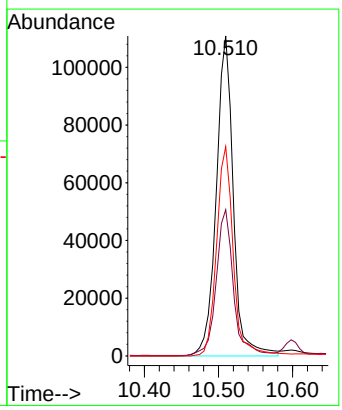


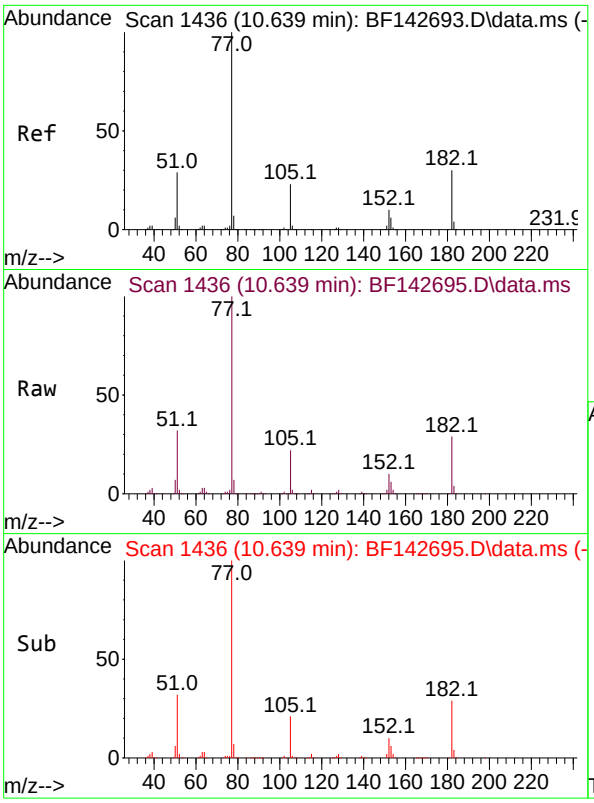


#62
4-Nitroaniline
Concen: 64.248 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:138 Resp: 177050

Ion	Ratio	Lower	Upper
138	100		
92	45.7	25.8	65.8
108	65.4	42.3	82.3



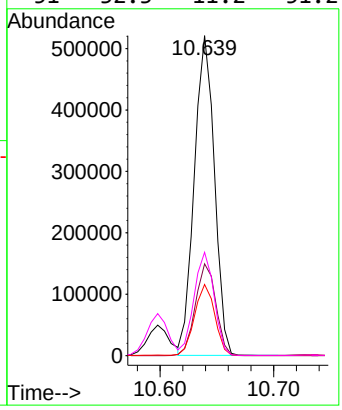


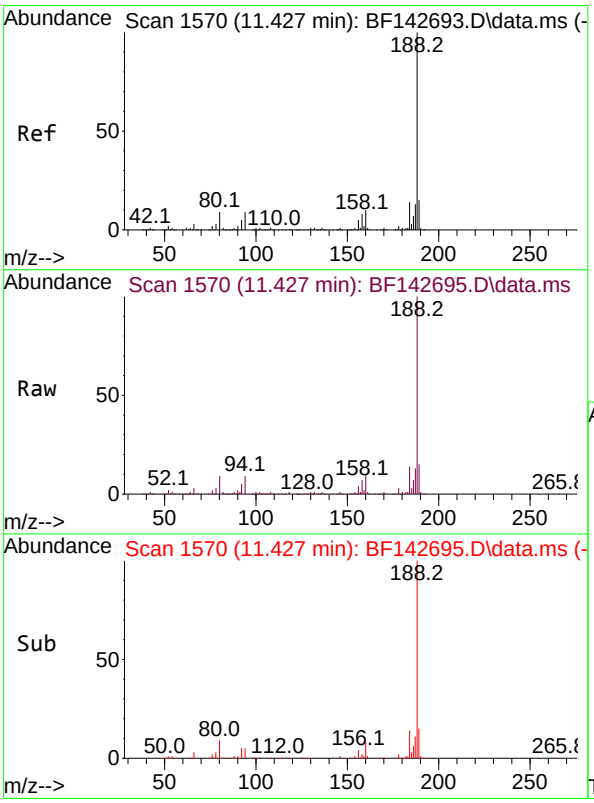
#63
Azobenzene
Concen: 61.666 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 640912

Ion	Ratio	Lower	Upper
77	100		
182	28.7	9.5	49.5
105	22.2	2.3	42.3
51	32.3	11.2	51.2

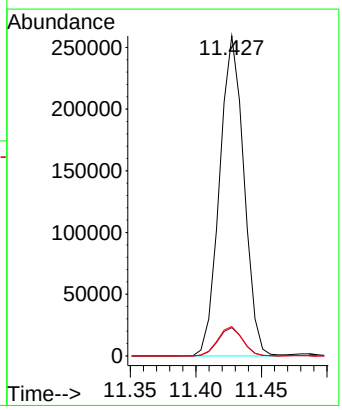


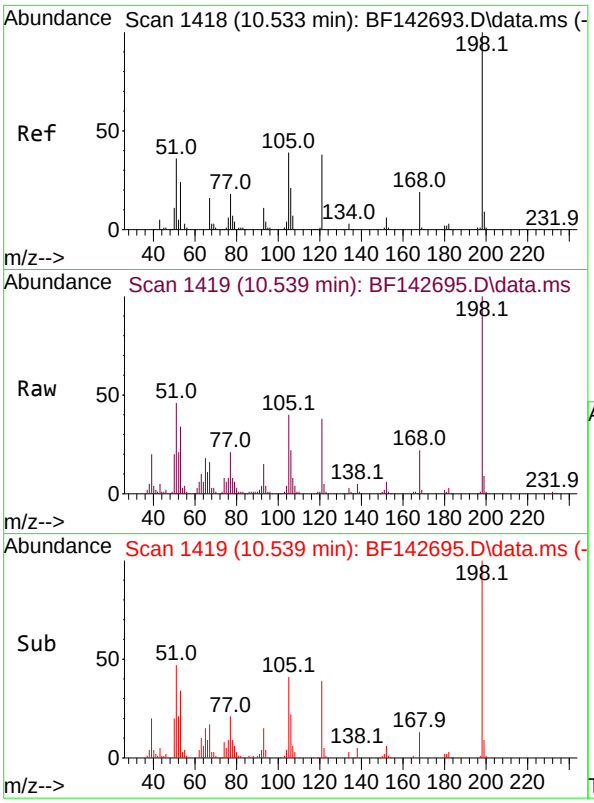


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:188 Resp: 334985

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.4
80	9.2	7.2	10.8



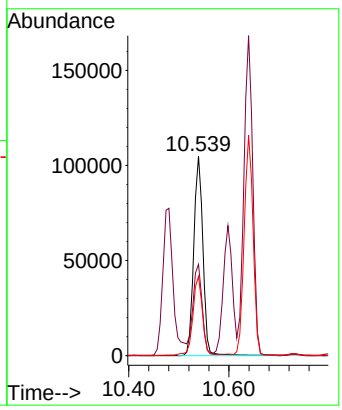


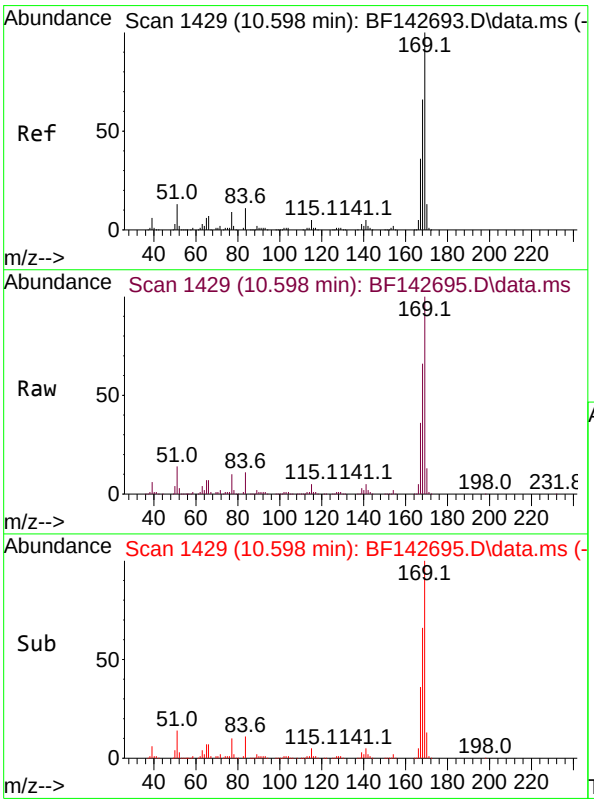
#65
4,6-Dinitro-2-methylphenol
Concen: 62.199 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 132891

Ion	Ratio	Lower	Upper
198	100		
51	45.7	25.9	65.9
105	39.7	20.0	60.0

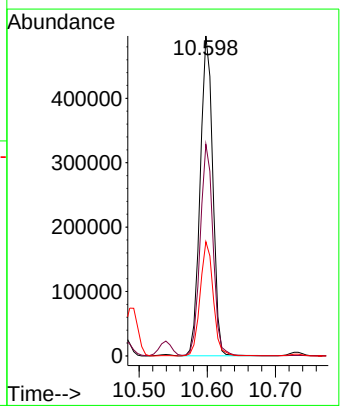


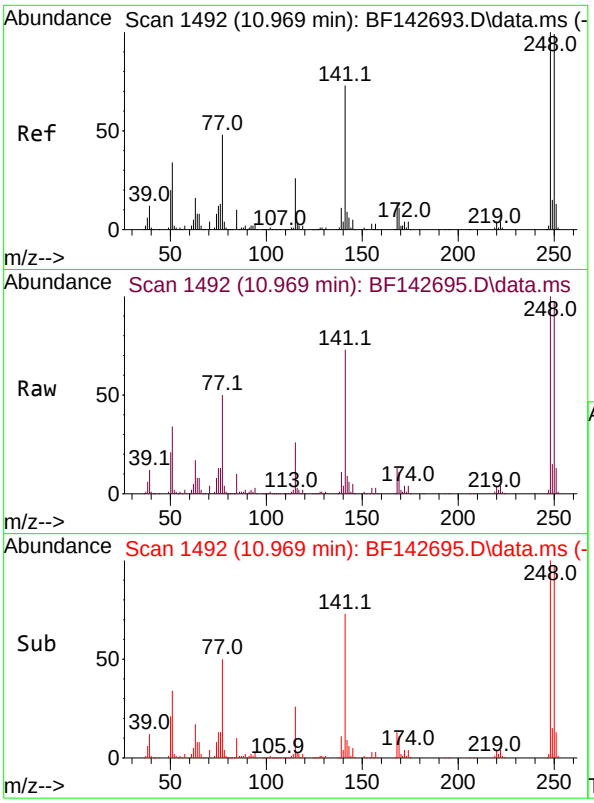


#66
n-Nitrosodiphenylamine
Concen: 58.962 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:169 Resp: 637712

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.1	79.7
167	35.7	28.4	42.6



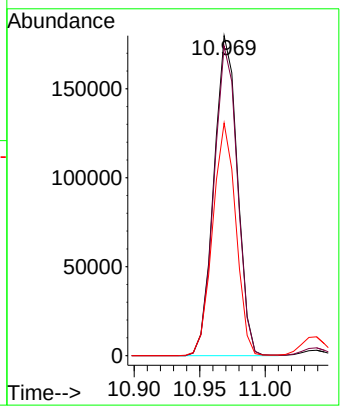


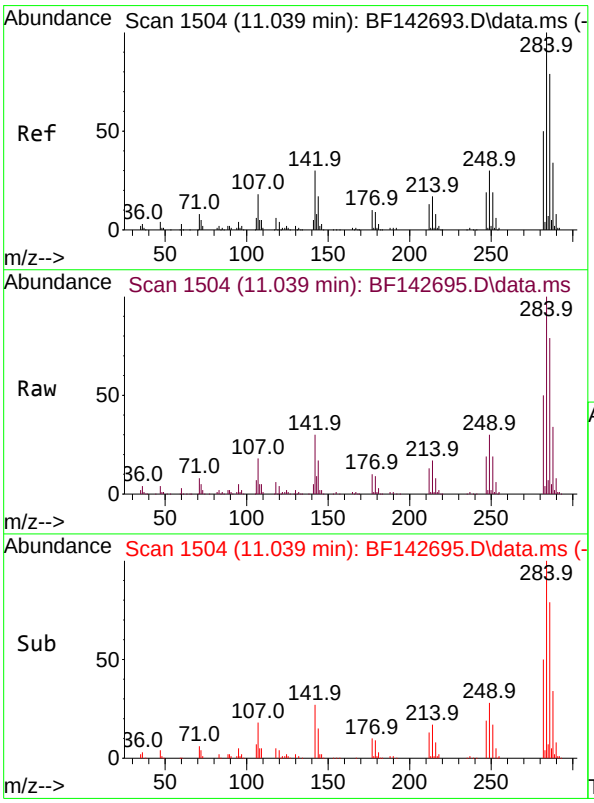
#67
4-Bromophenyl-phenylether
Concen: 60.625 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 224470

Ion	Ratio	Lower	Upper
248	100		
250	96.7	79.1	118.7
141	72.7	58.5	87.7

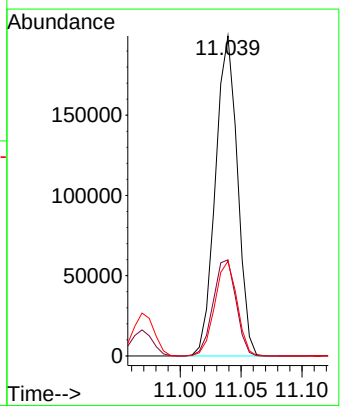


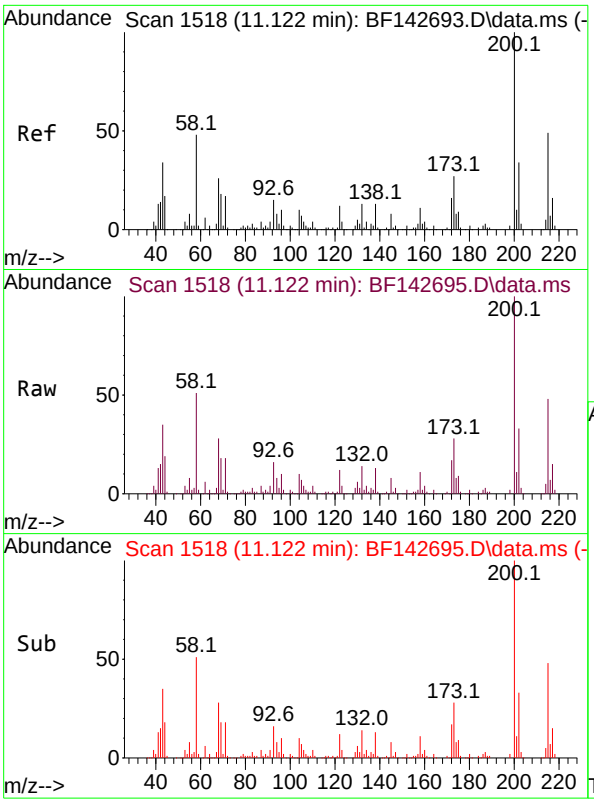


#68
Hexachlorobenzene
Concen: 58.901 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:284 Resp: 250593

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.6	35.4
249	29.6	23.8	35.8



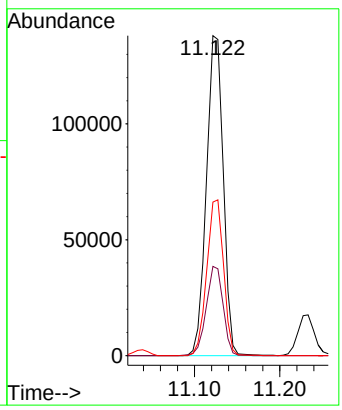


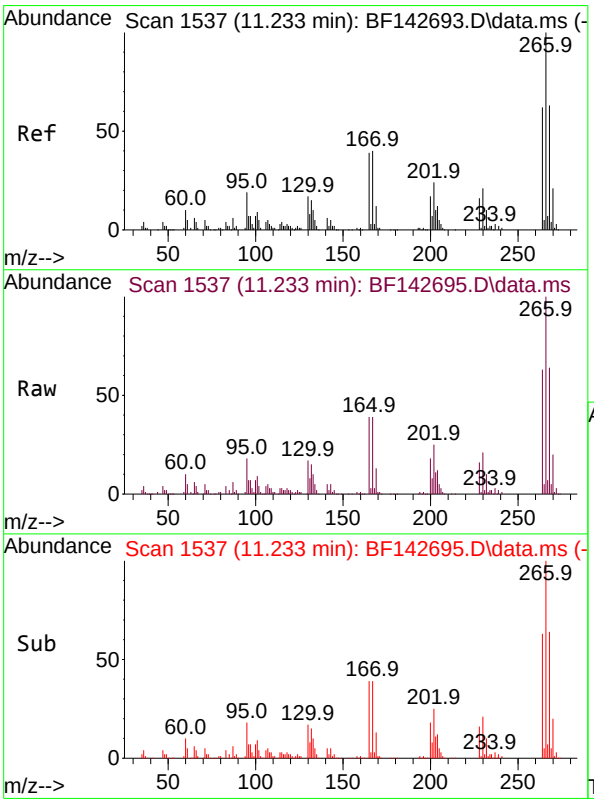
#69
Atrazine
Concen: 57.846 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 189732

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.4	47.4
215	48.0	28.9	68.9

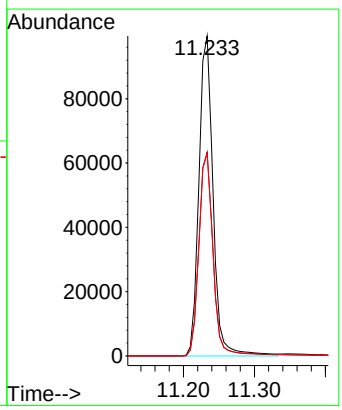


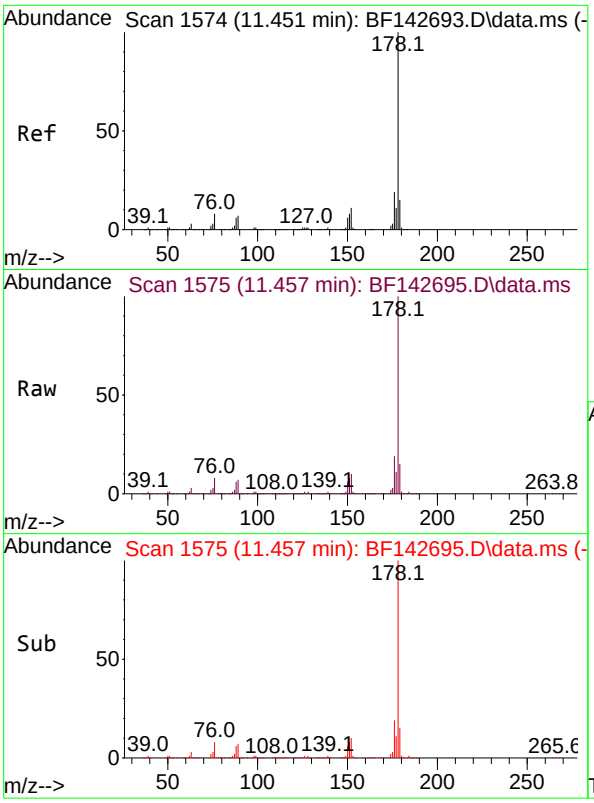


#70
Pentachlorophenol
Concen: 58.633 ng
RT: 11.233 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:266 Resp: 137182

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.8	76.2
264	63.2	49.7	74.5



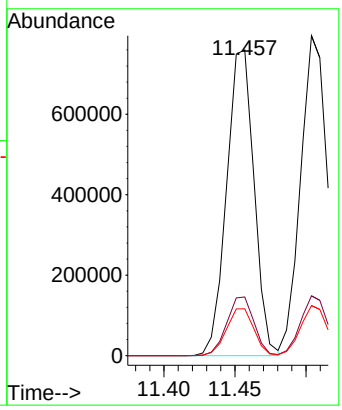


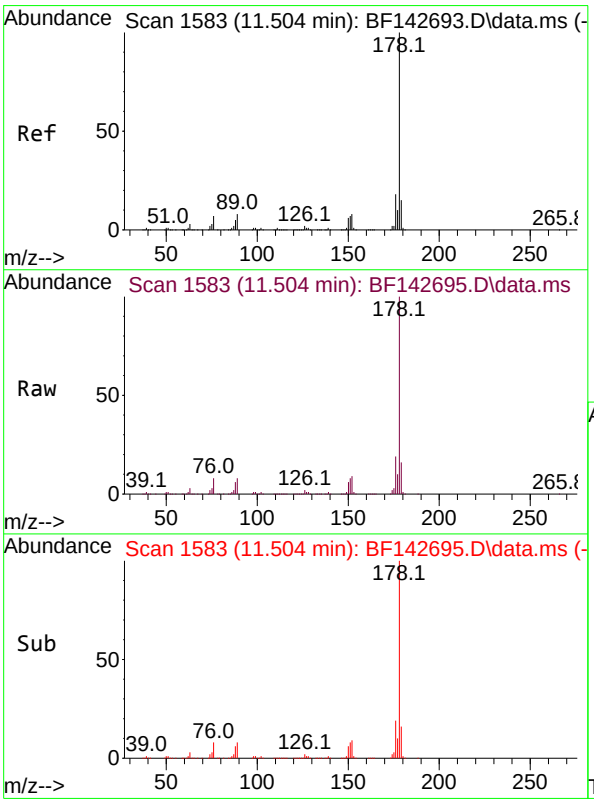
#71
Phenanthrene
Concen: 57.063 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1021895

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.4	18.6

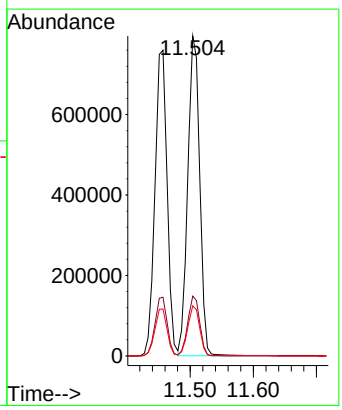


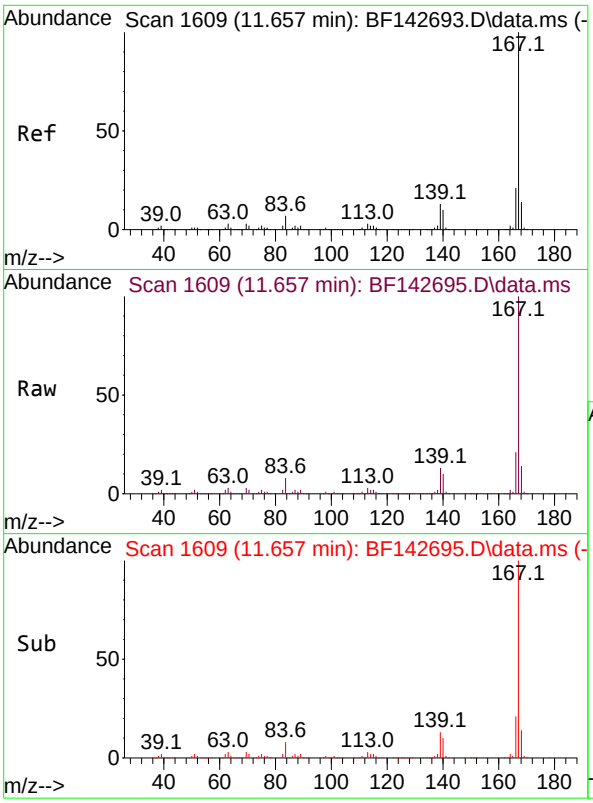


#72
Anthracene
Concen: 56.127 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:178 Resp: 1043090

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.2



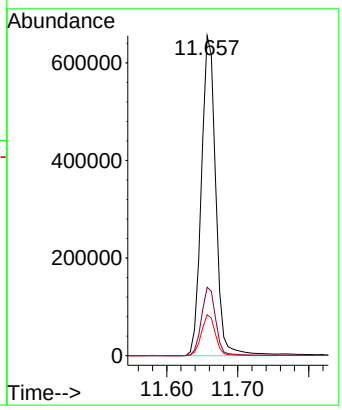


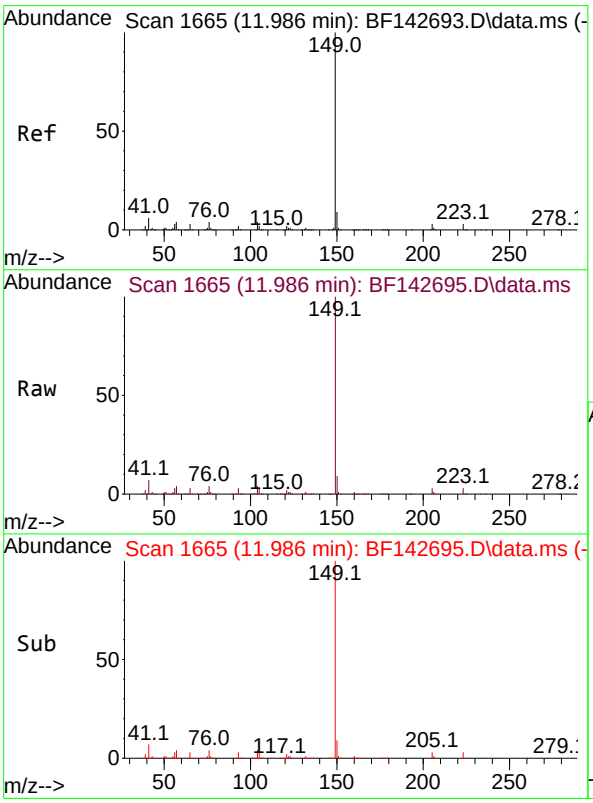
#73
Carbazole
Concen: 54.851 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 917920

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	12.8	10.1	15.1

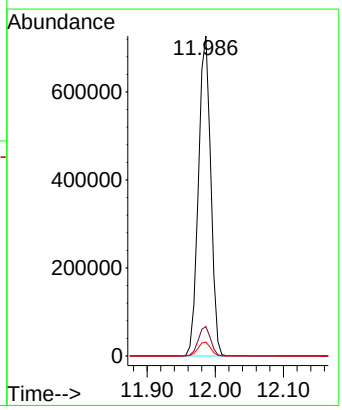


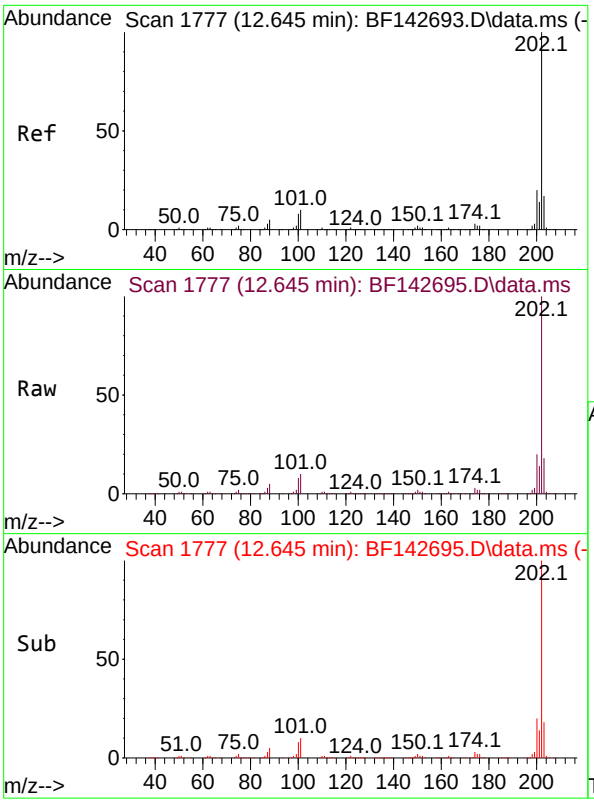


#74
Di-n-butylphthalate
Concen: 51.330 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:149 Resp: 911920

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.3	3.3	4.9



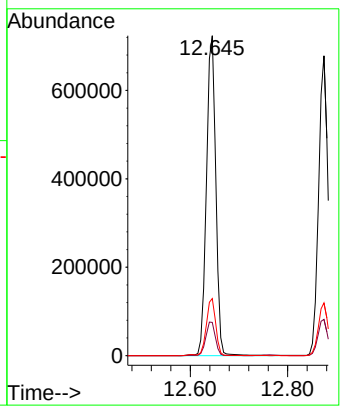


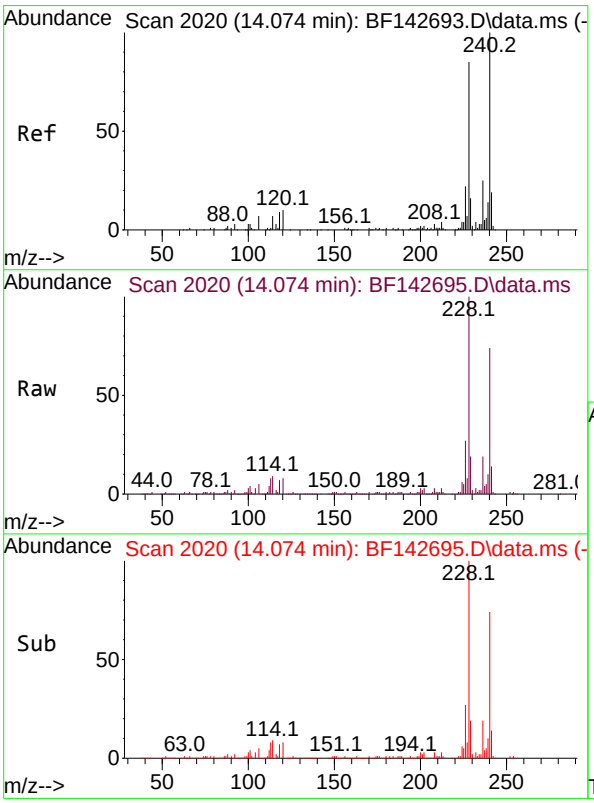
#75
Fluoranthene
Concen: 54.020 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 969277

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.2
203	17.8	0.0	37.3

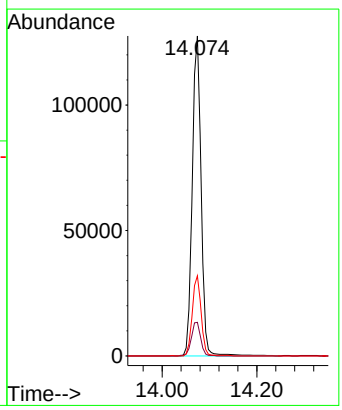


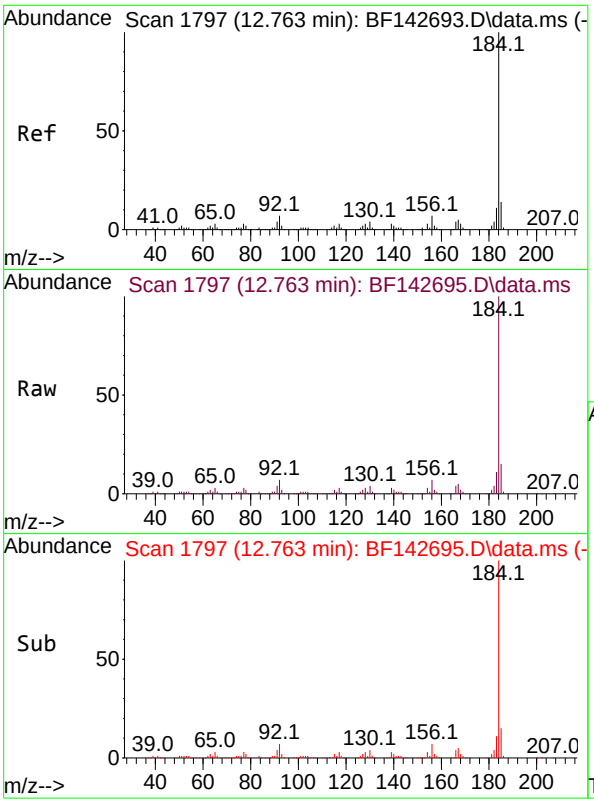


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:240 Resp: 165606

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.0	20.2	30.2



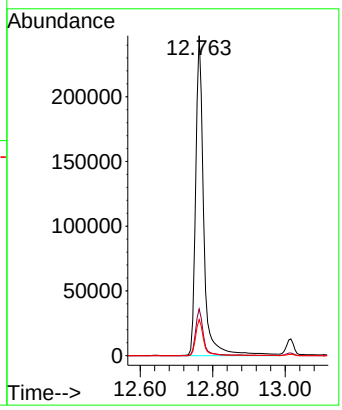


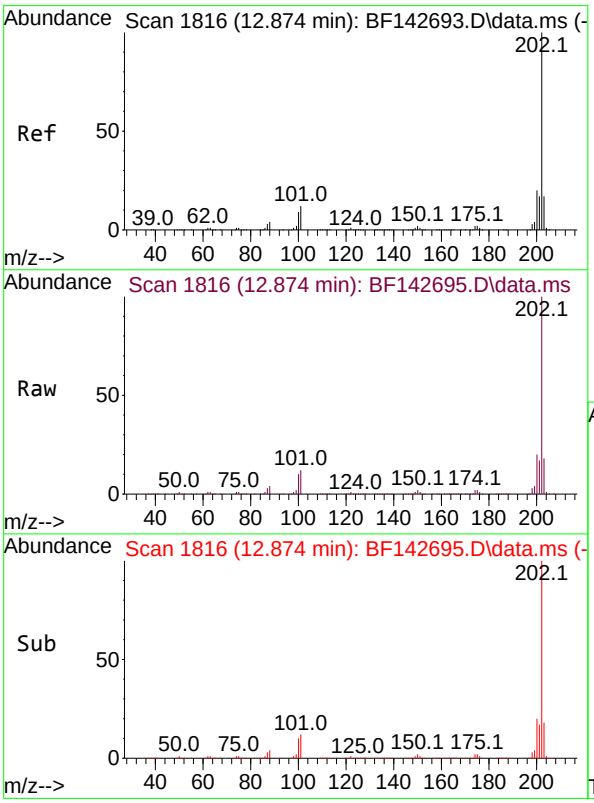
#77
Benzidine
Concen: 66.732 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 381410

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	11.3	8.9	13.3

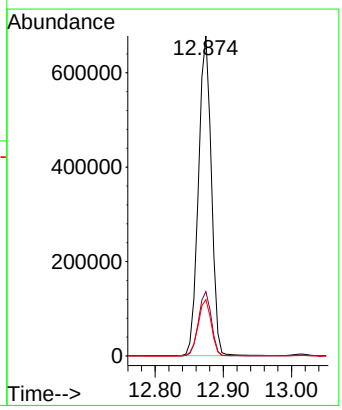


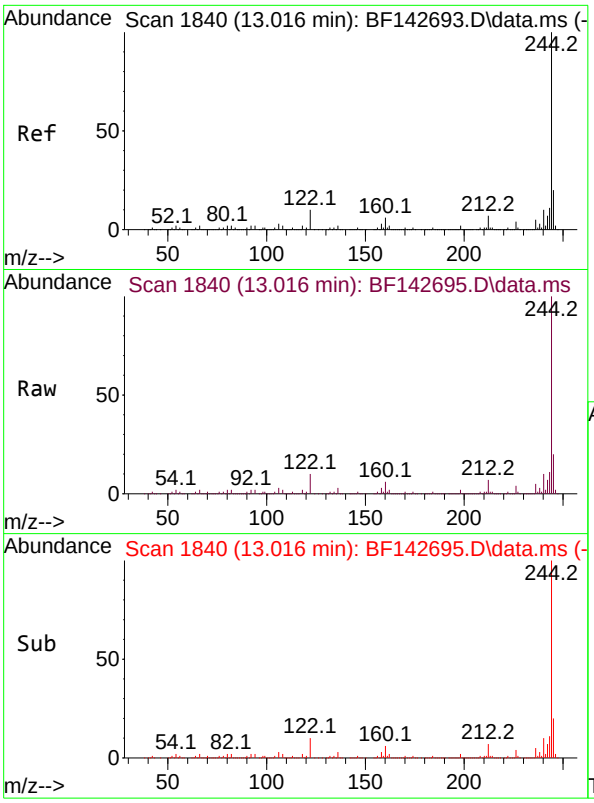


#78
Pyrene
Concen: 66.000 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:202 Resp: 890618

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.6	13.9	20.9



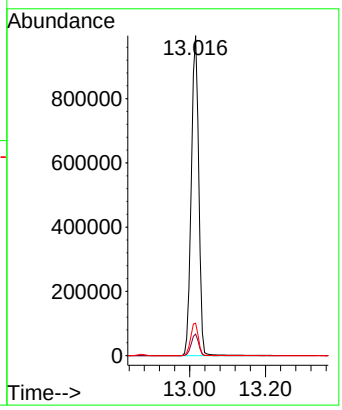


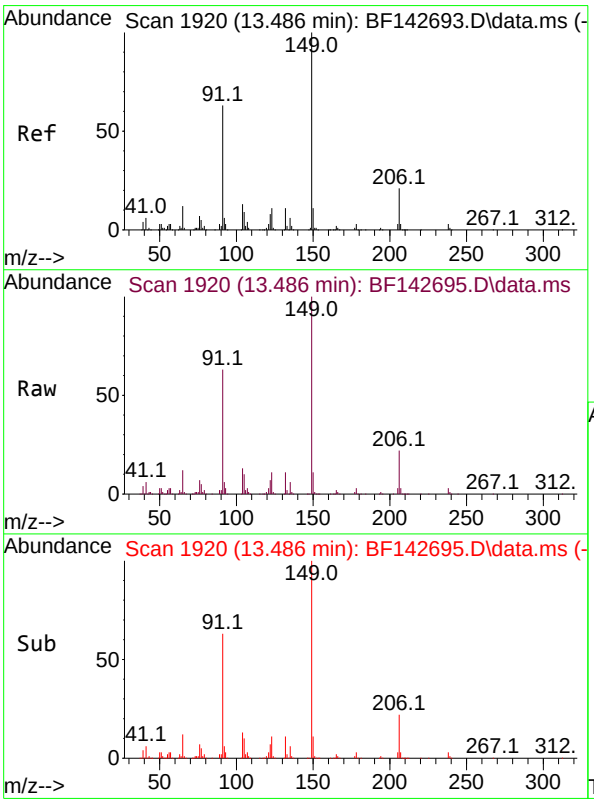
#79
Terphenyl-d14
Concen: 129.405 ng
RT: 13.016 min Scan# 18
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1355043

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.2	8.2	12.2

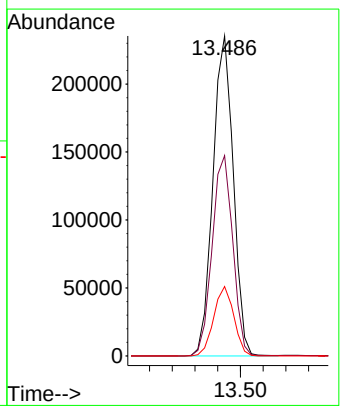


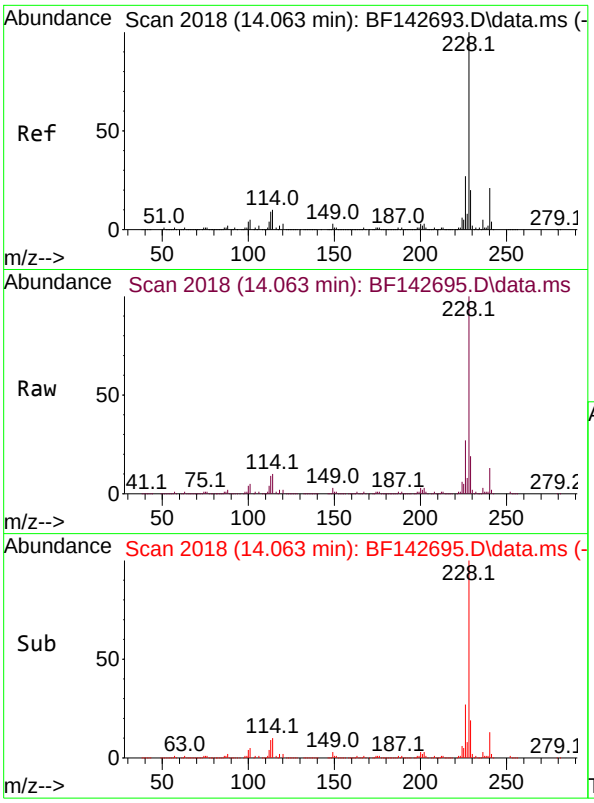


#80
Butylbenzylphthalate
Concen: 70.410 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:149 Resp: 292599

Ion	Ratio	Lower	Upper
149	100		
91	62.6	50.5	75.7
206	21.7	16.9	25.3



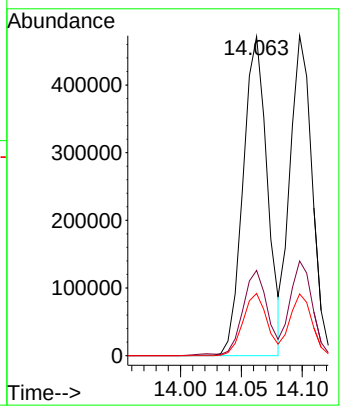


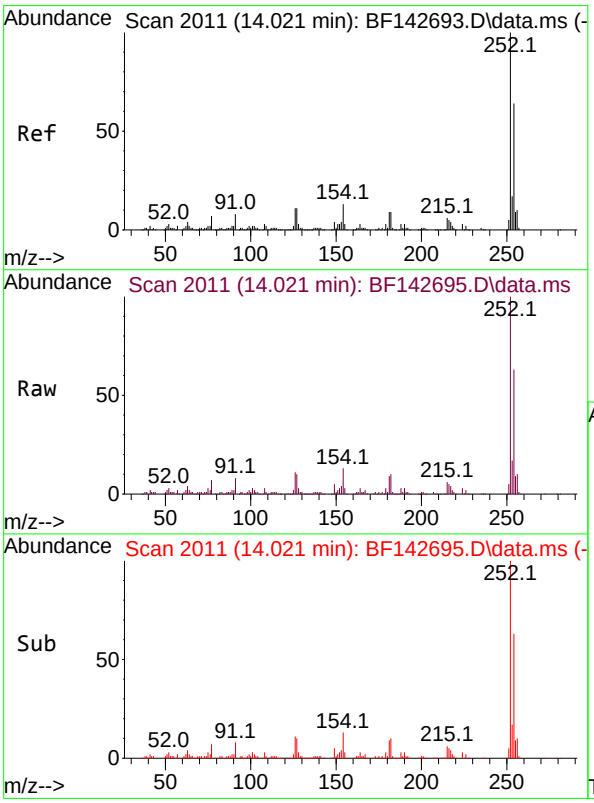
#81
Benzo(a)anthracene
Concen: 60.902 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 654556

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.5	15.8	23.6

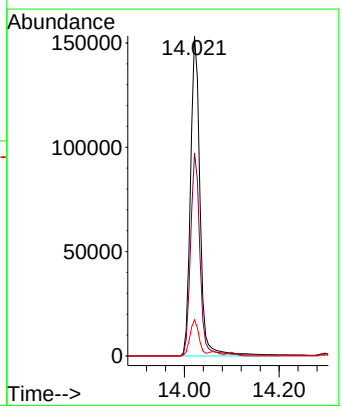


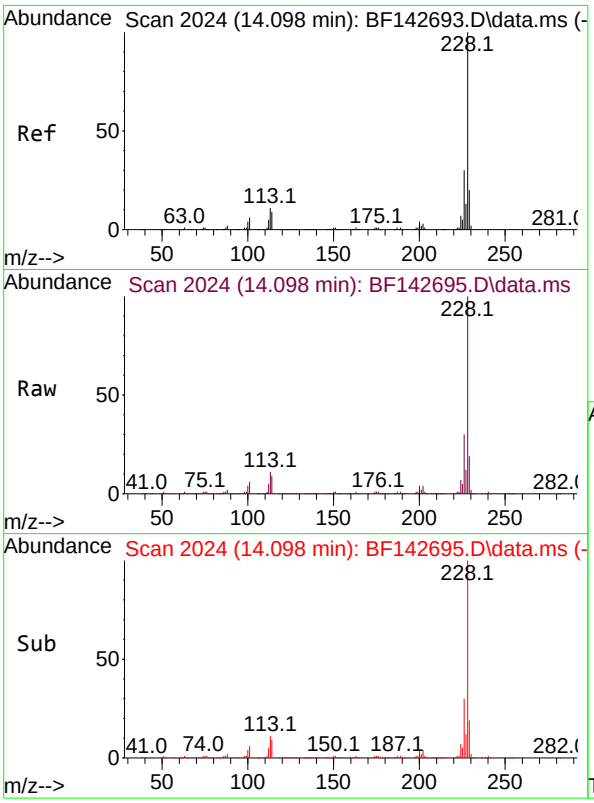


#82
3,3'-Dichlorobenzidine
Concen: 62.457 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:252 Resp: 214574

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.4	77.2
126	11.3	9.1	13.7



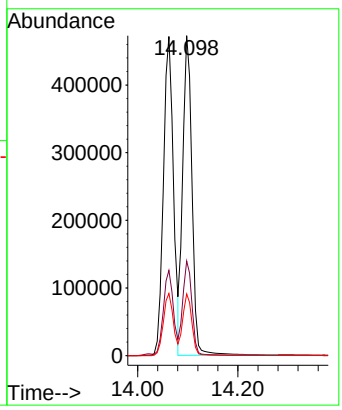


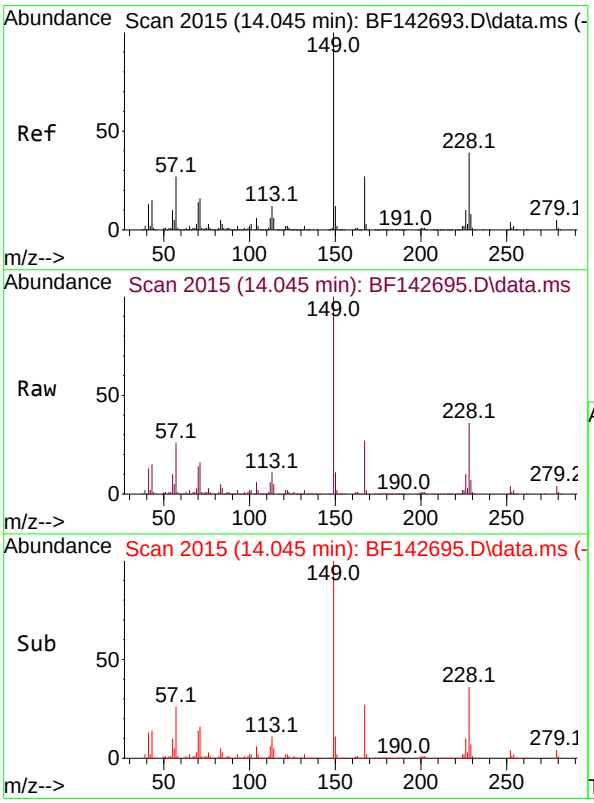
#83
Chrysene
Concen: 60.003 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 610832

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	19.3	15.8	23.6

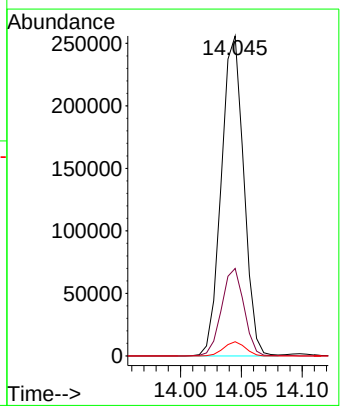


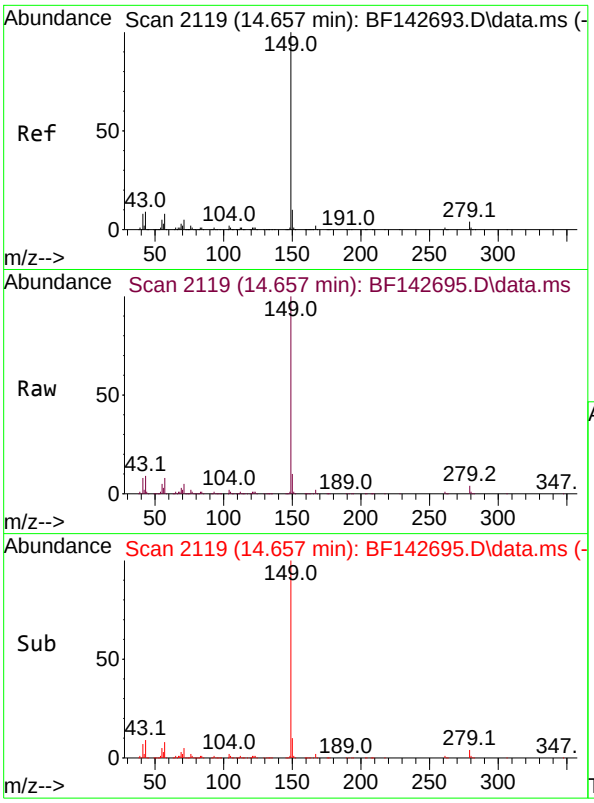


#84
Bis(2-ethylhexyl)phthalate
Concen: 69.354 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:149 Resp: 329055

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.4	3.6	5.4



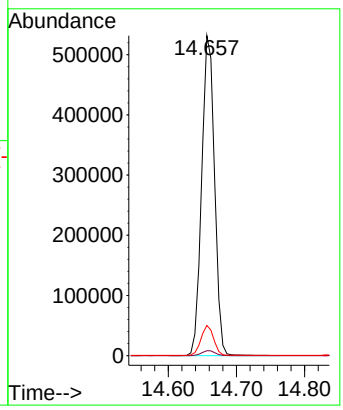


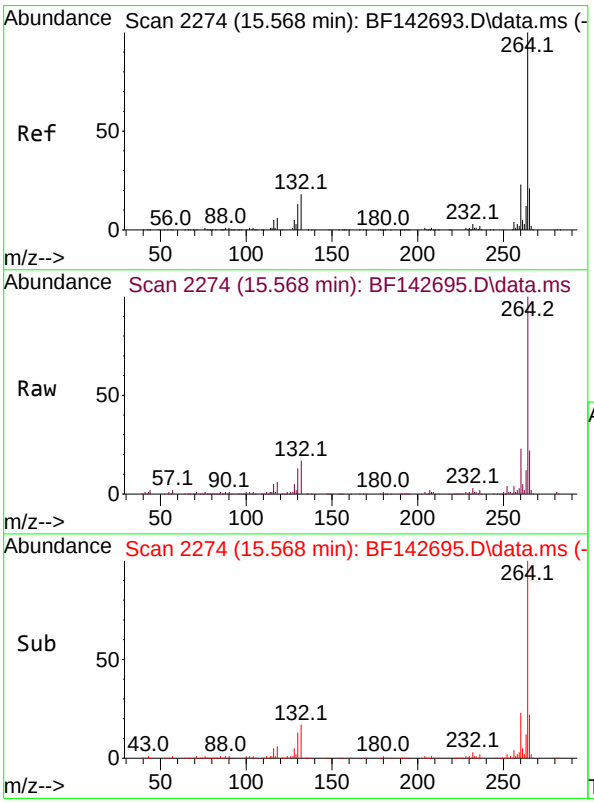
#85
Di-n-octyl phthalate
Concen: 75.660 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 698164

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.2	7.5	11.3

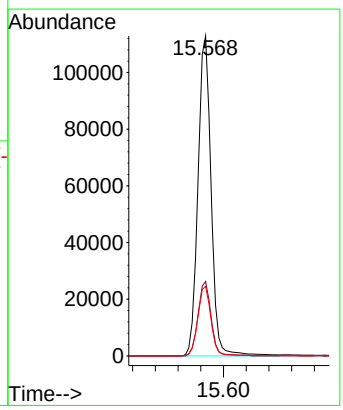


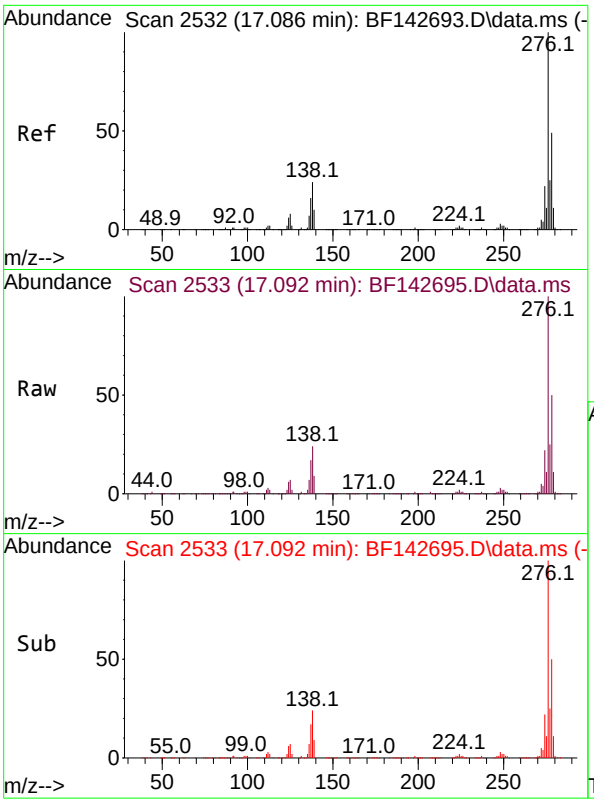


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:264 Resp: 180662

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.7	17.0	25.4



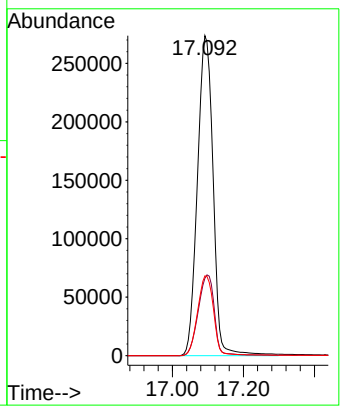


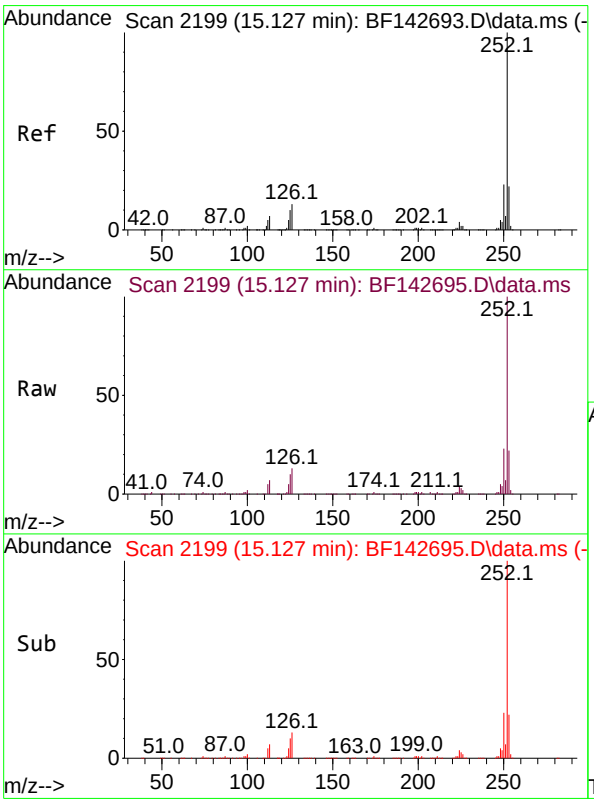
#87
Indeno(1,2,3-cd)pyrene
Concen: 65.396 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 835723

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.8	31.2
277	25.5	20.2	30.2

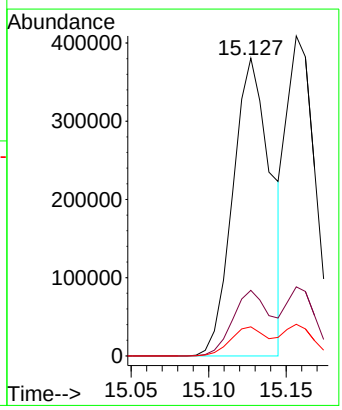


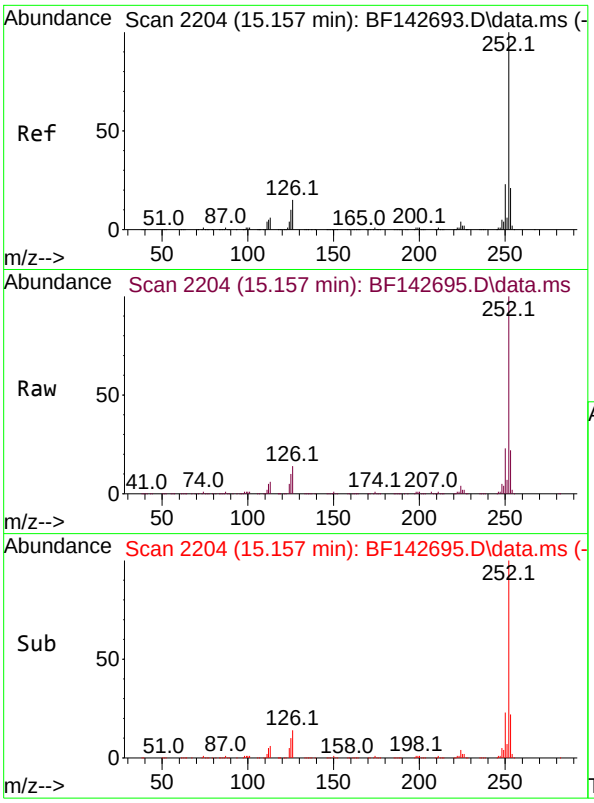


#88
Benzo(b)fluoranthene
Concen: 60.070 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:252 Resp: 648370

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.7	7.8	11.8



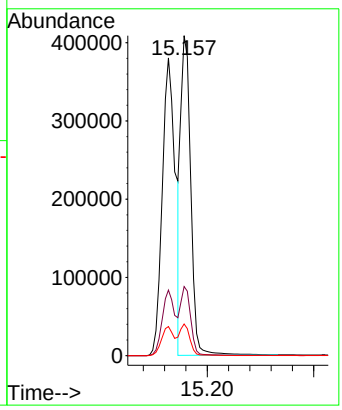


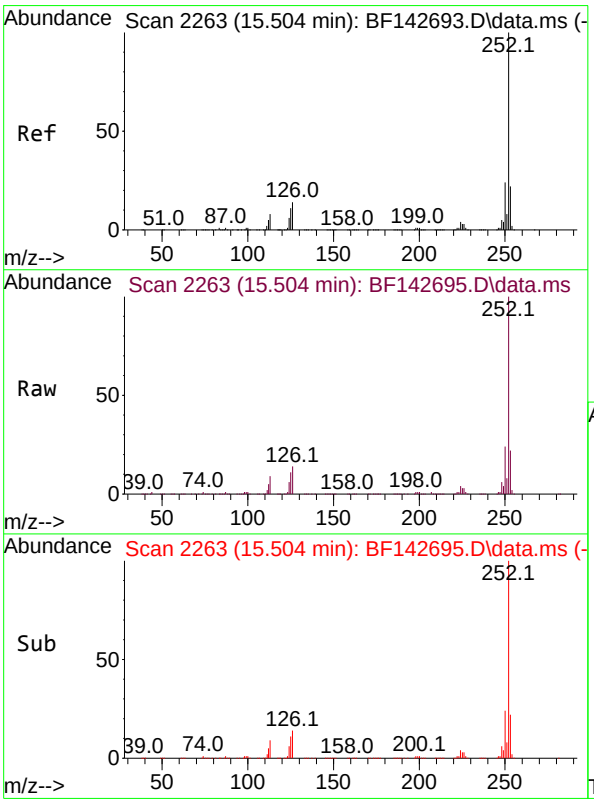
#89
Benzo(k)fluoranthene
Concen: 52.961 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 537920

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	9.9	7.7	11.5

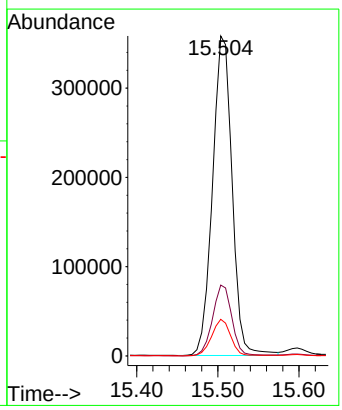


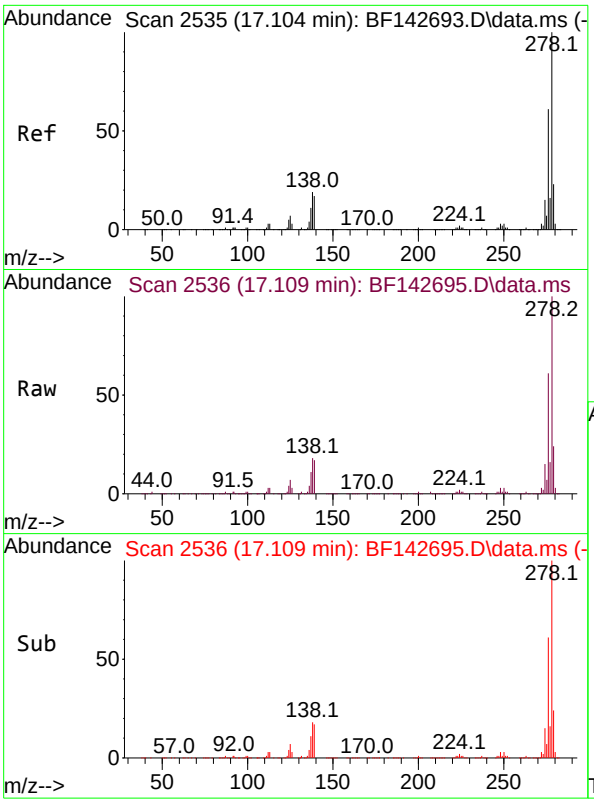


#90
Benzo(a)pyrene
Concen: 59.241 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:252 Resp: 599182

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	11.4	8.8	13.2



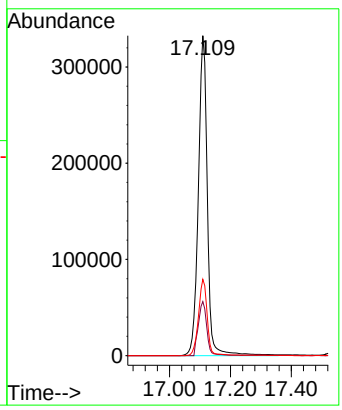


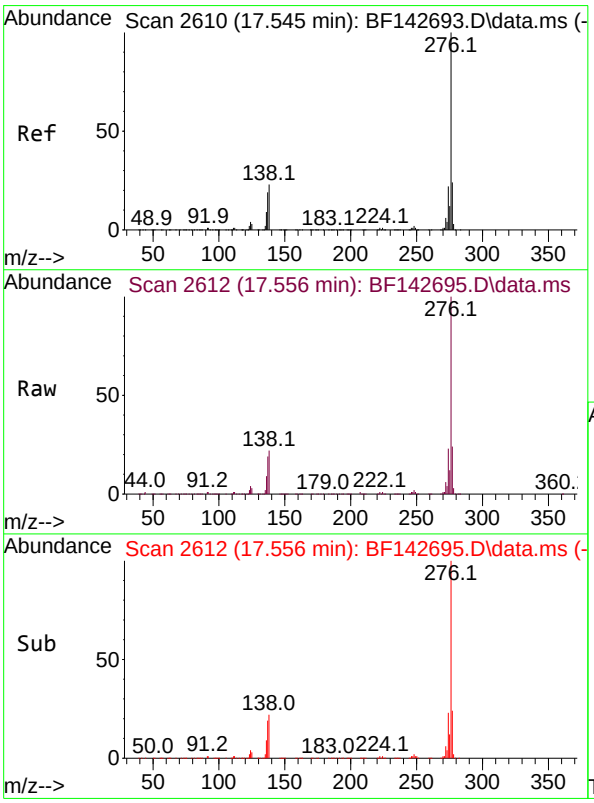
#91
Dibenzo(a,h)anthracene
Concen: 66.355 ng
RT: 17.109 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 682618

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.4	20.0
279	23.8	18.7	28.1

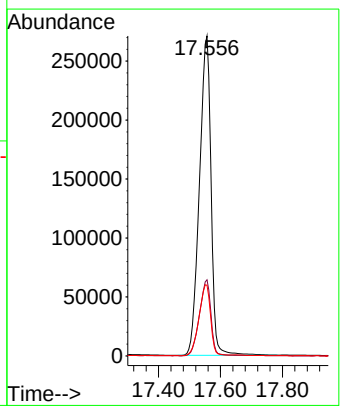




#92
Benzo(g,h,i)perylene
Concen: 66.104 ng
RT: 17.556 min Scan# 2612
Delta R.T. 0.012 min
Lab File: BF142695.D
Acq: 09 Jun 2025 16:03

Tgt Ion:276 Resp: 704185

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.1	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142696.D
Acq On : 09 Jun 2025 16:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 09 17:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	90122	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	333988	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	180739	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	328910	20.000	ng	0.00
76) Chrysene-d12	14.074	240	187835	20.000	ng	0.00
86) Perylene-d12	15.568	264	240558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	791336	149.092	ng	0.00
7) Phenol-d6	6.534	99	945417	151.889	ng	0.01
23) Nitrobenzene-d5	7.469	82	924119	152.061	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	322580	158.858	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1764478	133.510	ng	0.00
79) Terphenyl-d14	13.016	244	1649318	138.868	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	166843	82.089	ng	99
3) Pyridine	3.452	79	431487	82.314	ng	99
4) n-Nitrosodimethylamine	3.428	42	212769	83.395	ng	100
6) Aniline	6.563	93	640362	76.628	ng	94
8) 2-Chlorophenol	6.687	128	439859	75.957	ng	99
9) Benzaldehyde	6.445	77	186686	53.202	ng	99
10) Phenol	6.551	94	522762	75.001	ng	77
11) bis(2-Chloroethyl)ether	6.634	93	386147	76.046	ng	98
12) 1,3-Dichlorobenzene	6.840	146	483942	74.621	ng	99
13) 1,4-Dichlorobenzene	6.916	146	481924	72.677	ng	98
14) 1,2-Dichlorobenzene	7.069	146	460457	72.827	ng	98
15) Benzyl Alcohol	7.045	79	353344	77.605	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	581512	70.328	ng	96
17) 2-Methylphenol	7.151	107	334951	75.432	ng	98
18) Hexachloroethane	7.410	117	171792	75.410	ng	98
19) n-Nitroso-di-n-propyla...	7.322	70	277456	76.043	ng	99
20) 3+4-Methylphenols	7.310	107	399349	73.024	ng	95
22) Acetophenone	7.316	105	532727	72.968	ng	98
24) Nitrobenzene	7.487	77	418371	76.334	ng	97
25) Isophorone	7.728	82	765934	77.682	ng	100
26) 2-Nitrophenol	7.798	139	237966	78.712	ng	96
27) 2,4-Dimethylphenol	7.839	122	392556	76.401	ng	99
28) bis(2-Chloroethoxy)met...	7.934	93	465203	75.225	ng	99
29) 2,4-Dichlorophenol	8.045	162	357959	76.047	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	384272	74.843	ng	98
31) Naphthalene	8.210	128	1194109	72.555	ng	100
32) Benzoic acid	7.981	122	261312	83.776	ng	99
33) 4-Chloroaniline	8.257	127	499313	73.795	ng	99
34) Hexachlorobutadiene	8.322	225	231593	73.239	ng	98
35) Caprolactam	8.645	113	112979	78.145	ng	98
36) 4-Chloro-3-methylphenol	8.739	107	368412	75.878	ng	100
37) 2-Methylnaphthalene	8.898	142	734819	70.958	ng	100
38) 1-Methylnaphthalene	8.998	142	757808	70.665	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	372756	71.365	ng	99
41) Hexachlorocyclopentadiene	9.045	237	255993	83.458	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	266092	77.640	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142696.D
Acq On : 09 Jun 2025 16:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 09 17:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

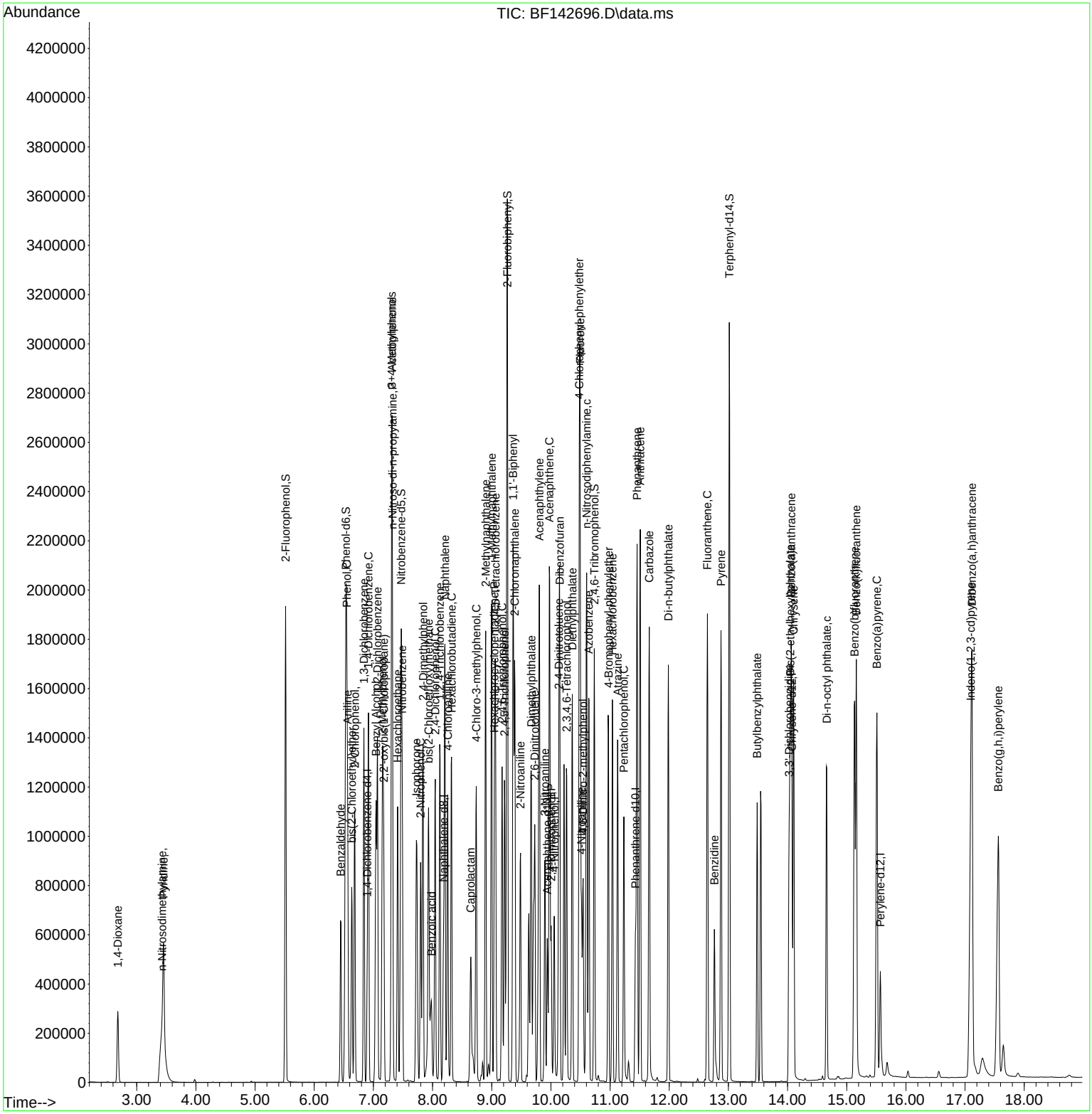
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	270814	73.980	ng	98
46) 1,1'-Biphenyl	9.363	154	989140	70.380	ng	99
47) 2-Chloronaphthalene	9.386	162	749902	71.213	ng	98
48) 2-Nitroaniline	9.486	65	235518	75.159	ng	100
49) Acenaphthylene	9.804	152	1248414	71.531	ng	100
50) Dimethylphthalate	9.669	163	890324	73.216	ng	100
51) 2,6-Dinitrotoluene	9.728	165	201782	76.708	ng	99
52) Acenaphthene	9.975	154	793723	74.344	ng	100
53) 3-Nitroaniline	9.898	138	225075	76.148	ng	97
54) 2,4-Dinitrophenol	10.004	184	131672	90.409	ng	99
55) Dibenzofuran	10.151	168	1095484	71.523	ng	99
56) 4-Nitrophenol	10.057	139	171106	84.220	ng	98
57) 2,4-Dinitrotoluene	10.133	165	274359	77.809	ng	95
58) Fluorene	10.492	166	896579	73.236	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	240173	77.969	ng	99
60) Diethylphthalate	10.363	149	880038	74.545	ng	100
61) 4-Chlorophenyl-phenyle...	10.480	204	429622	74.225	ng	99
62) 4-Nitroaniline	10.516	138	234169	83.515	ng	97
63) Azobenzene	10.639	77	807113	76.322	ng	98
65) 4,6-Dinitro-2-methylph...	10.545	198	171849	81.919	ng	99
66) n-Nitrosodiphenylamine	10.604	169	793611	74.731	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	288254	79.290	ng	97
68) Hexachlorobenzene	11.039	284	321012	76.846	ng	98
69) Atrazine	11.128	200	257299	79.895	ng	99
70) Pentachlorophenol	11.233	266	189634	82.548	ng	99
71) Phenanthrene	11.457	178	1242142	70.643	ng	100
72) Anthracene	11.510	178	1303436	71.431	ng	99
73) Carbazole	11.663	167	1203916	73.269	ng	100
74) Di-n-butylphthalate	11.986	149	1260010	72.233	ng	99
75) Fluoranthene	12.645	202	1166816	66.231	ng	99
77) Benzidine	12.763	184	406155	62.652	ng	100
78) Pyrene	12.874	202	1132693	74.005	ng	99
80) Butylbenzylphthalate	13.486	149	380245	80.673	ng	98
81) Benzo(a)anthracene	14.063	228	905666	74.294	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	290817	74.632	ng	99
83) Chrysene	14.104	228	873122	75.618	ng	100
84) Bis(2-ethylhexyl)phtha...	14.045	149	484341	90.003	ng	100
85) Di-n-octyl phthalate	14.663	149	923302	88.217	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	1289552	75.784	ng	100
88) Benzo(b)fluoranthene	15.133	252	1072627	74.633	ng	100
89) Benzo(k)fluoranthene	15.163	252	1017171	75.211	ng	99
90) Benzo(a)pyrene	15.510	252	1013345	75.243	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	1034959	75.555	ng	99
92) Benzo(g,h,i)perylene	17.562	276	1039684	73.297	ng	100

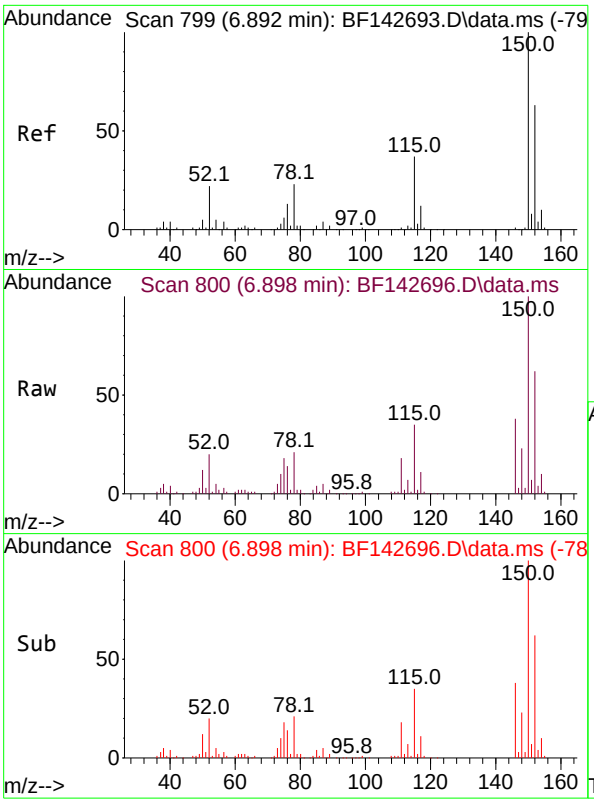
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142696.D
Acq On : 09 Jun 2025 16:32
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 09 17:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



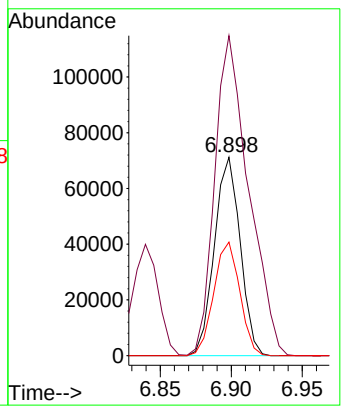


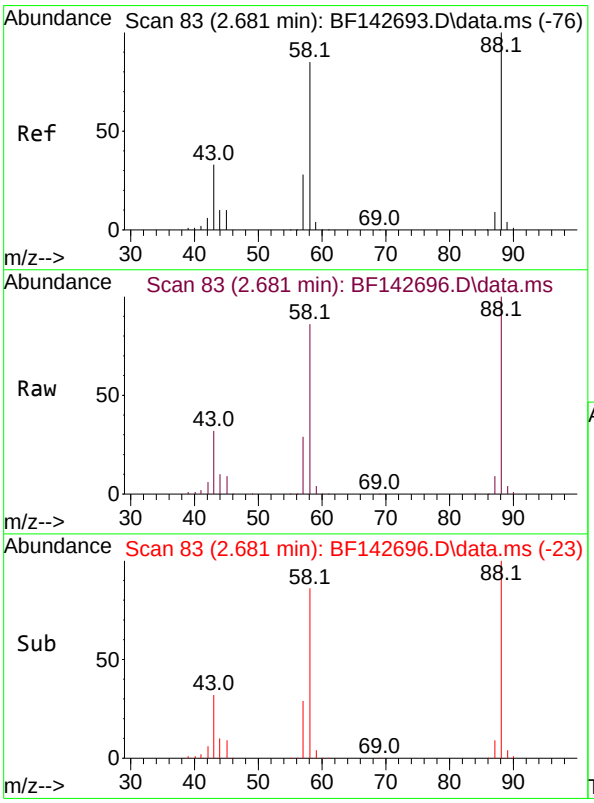
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 90122

Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.8	190.2
115	57.2	46.8	70.2

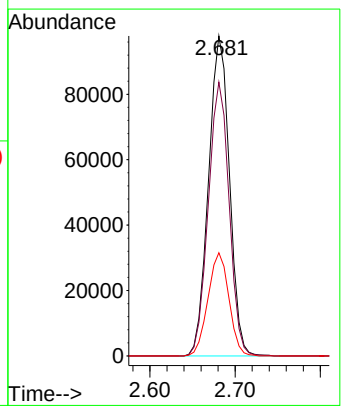


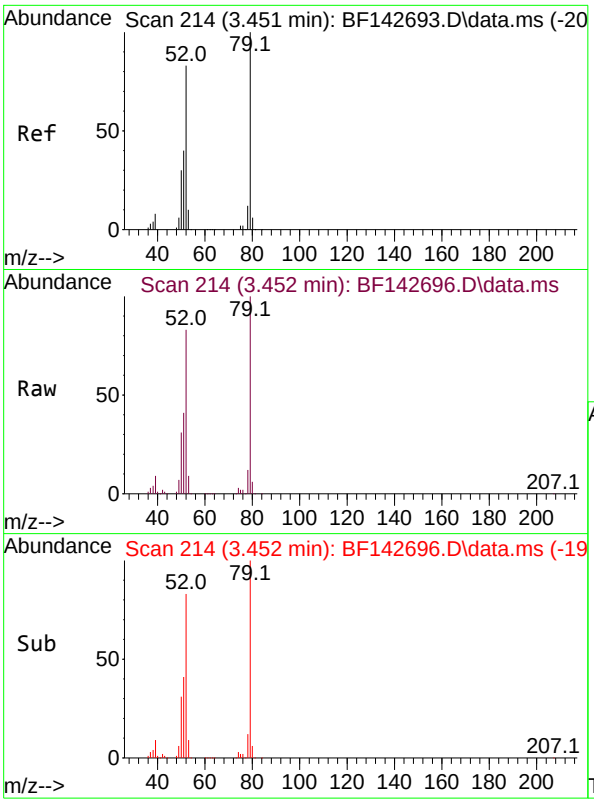


#2
1,4-Dioxane
Concen: 82.089 ng
RT: 2.681 min Scan# 83
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 88 Resp: 166843

Ion	Ratio	Lower	Upper
88	100		
58	85.2	69.2	103.8
43	32.3	26.3	39.5



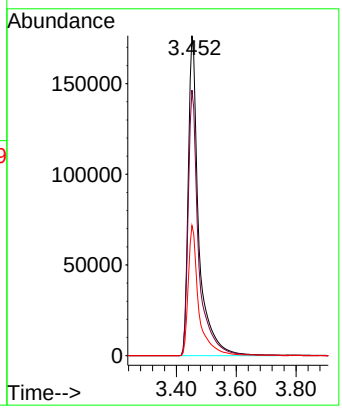


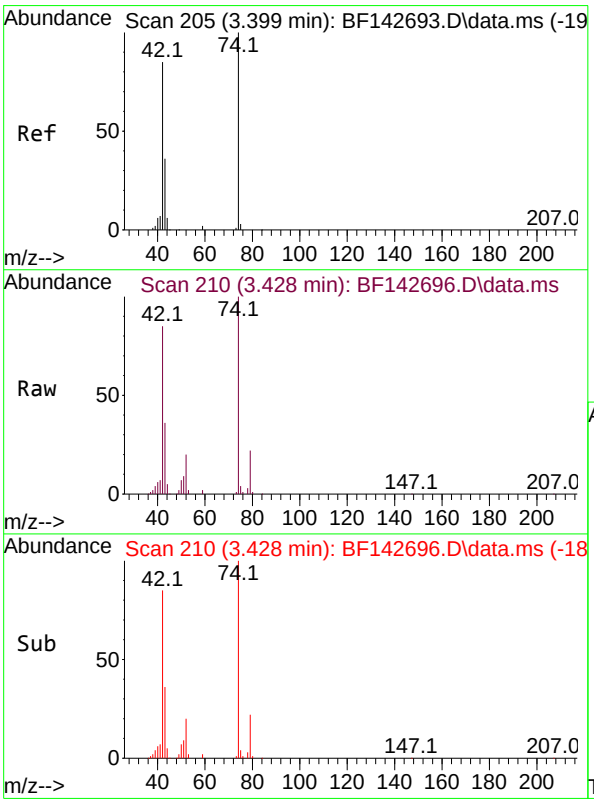
#3
Pyridine
Concen: 82.314 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 431487

Ion	Ratio	Lower	Upper
79	100		
52	83.0	66.6	99.8
51	40.6	31.7	47.5

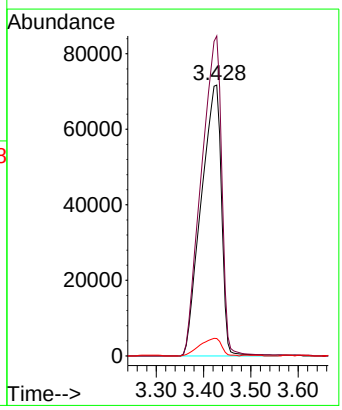


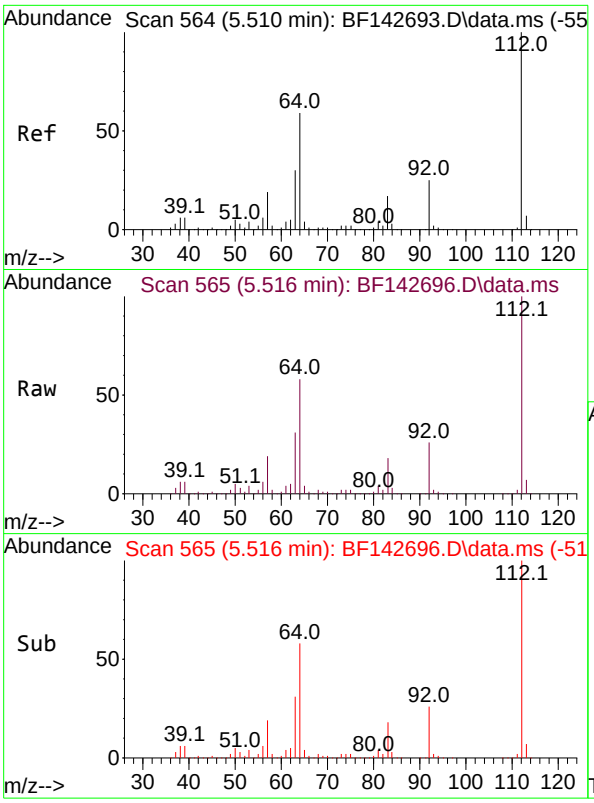


#4
n-Nitrosodimethylamine
Concen: 83.395 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.029 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 42 Resp: 212769

Ion	Ratio	Lower	Upper
42	100		
74	118.2	94.5	141.7
44	6.4	5.6	8.4



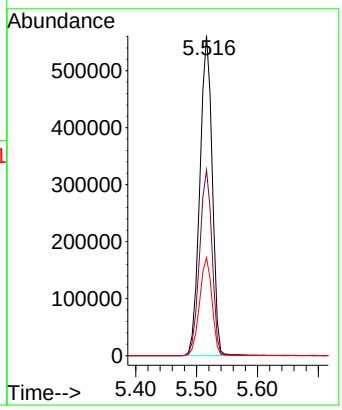


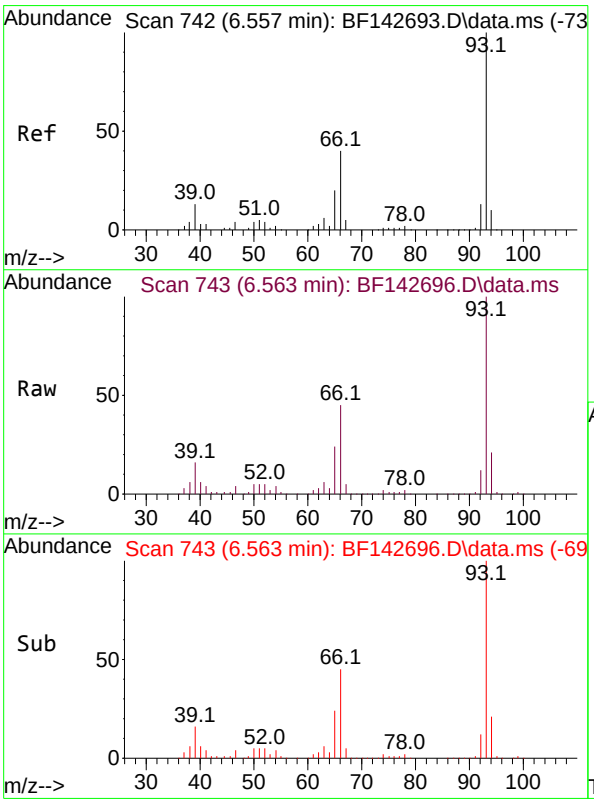
#5
2-Fluorophenol
Concen: 149.092 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 791336

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.9	70.3
63	30.6	24.3	36.5

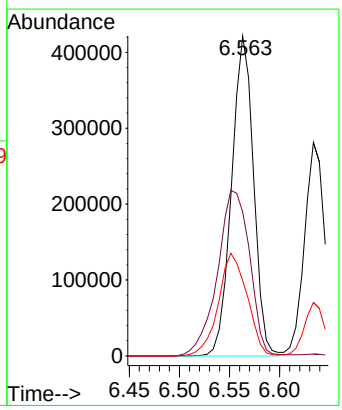


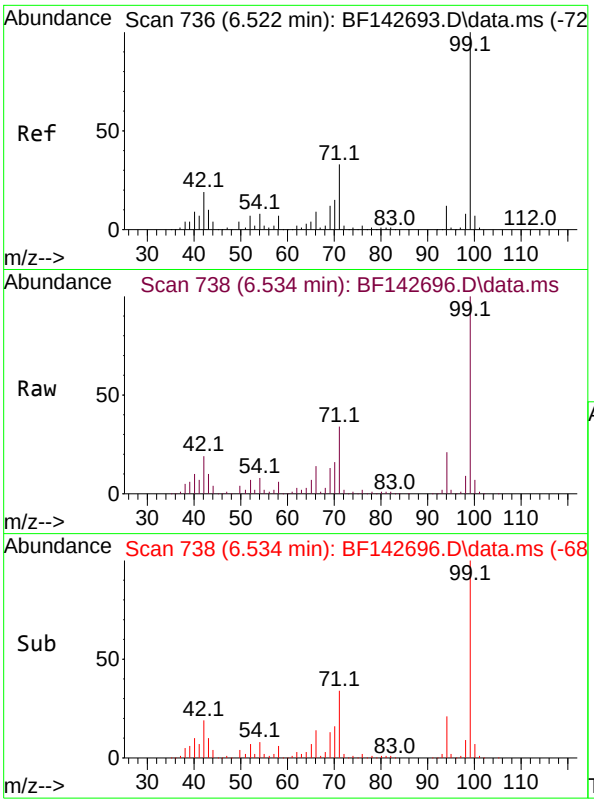


#6
Aniline
Concen: 76.628 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 93 Resp: 640362

Ion	Ratio	Lower	Upper
93	100		
66	45.0	32.8	49.2
65	23.5	16.4	24.6



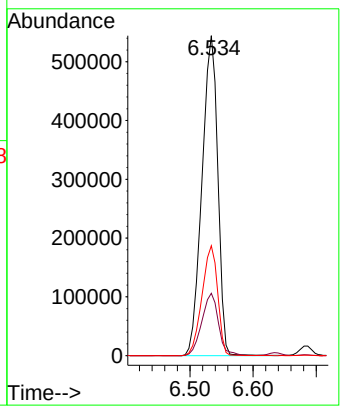


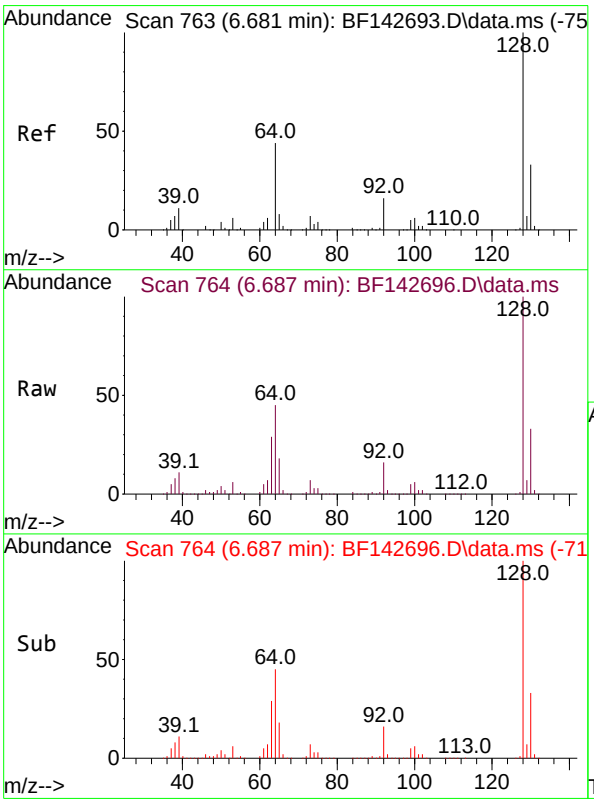
#7
Phenol-d6
Concen: 151.889 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 945417

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.3	22.9
71	34.3	26.3	39.5

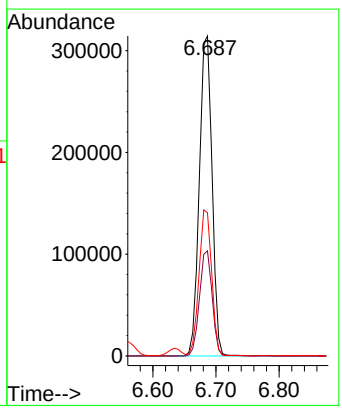


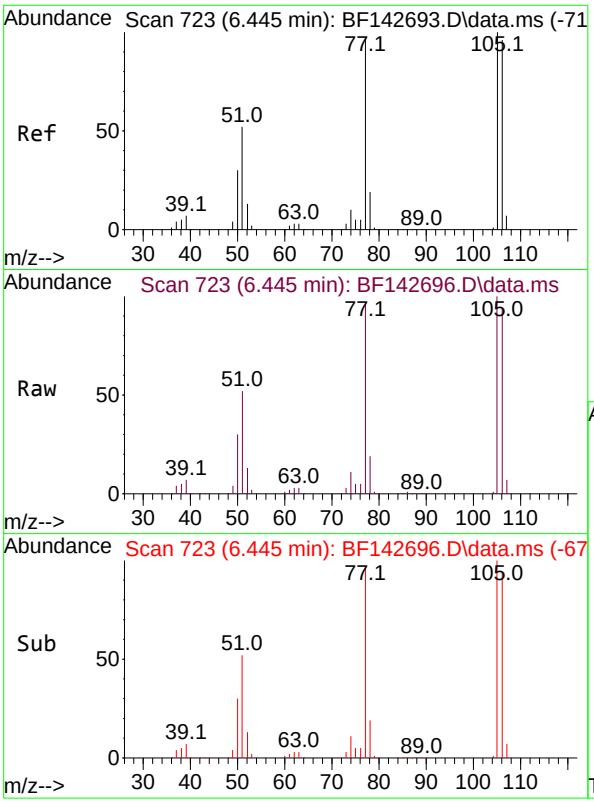


#8
2-Chlorophenol
Concen: 75.957 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:128 Resp: 439859

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.3	53.3
64	44.7	25.4	65.4



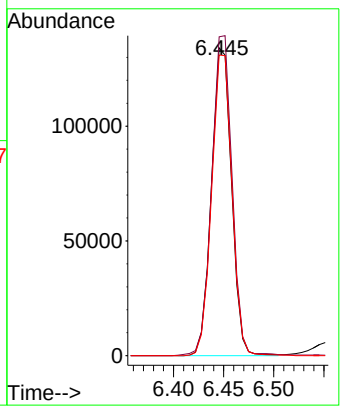


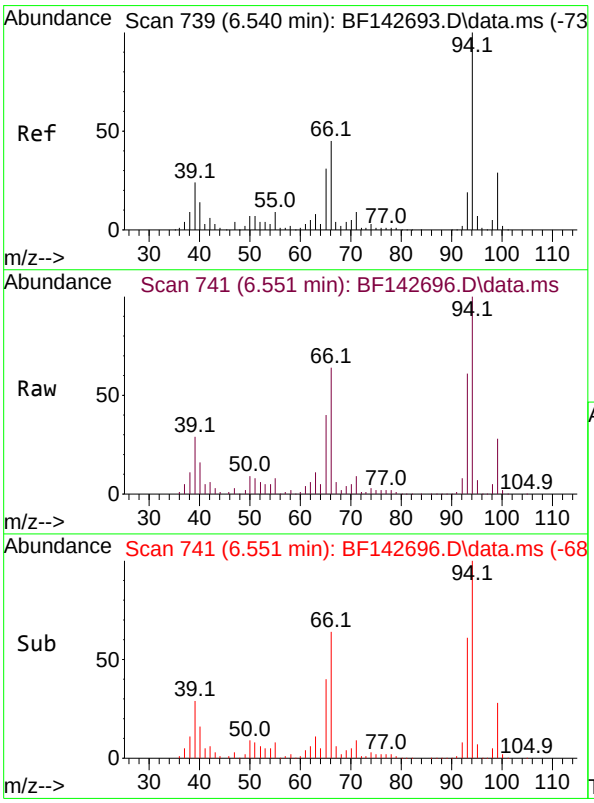
#9
Benzaldehyde
Concen: 53.202 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 186686

Ion	Ratio	Lower	Upper
77	100		
105	103.6	83.2	123.2
106	97.6	78.7	118.7

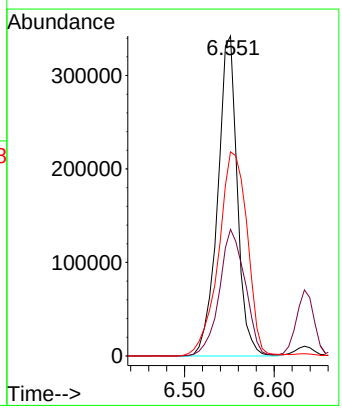


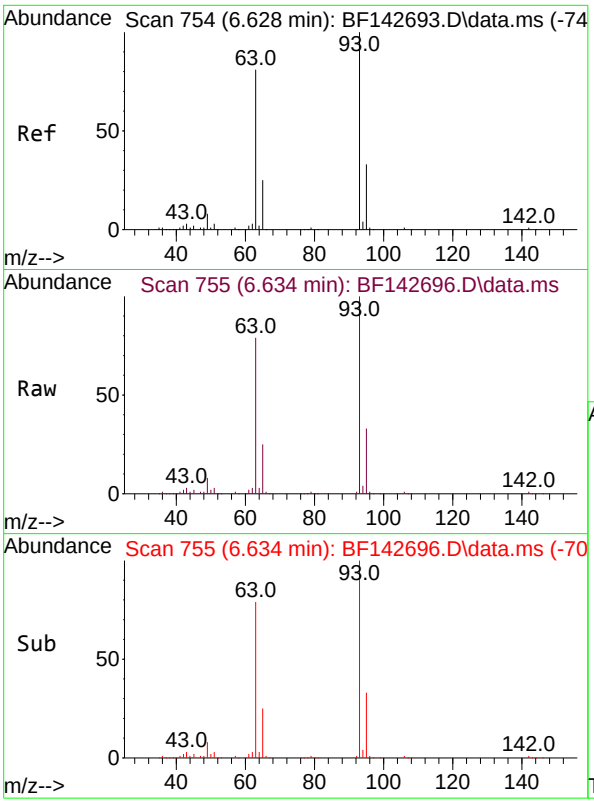


#10
Phenol
Concen: 75.001 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 94 Resp: 522762

Ion	Ratio	Lower	Upper
94	100		
65	39.5	11.0	51.0
66	63.8	24.9	64.9



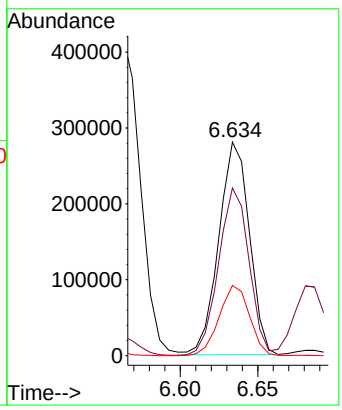


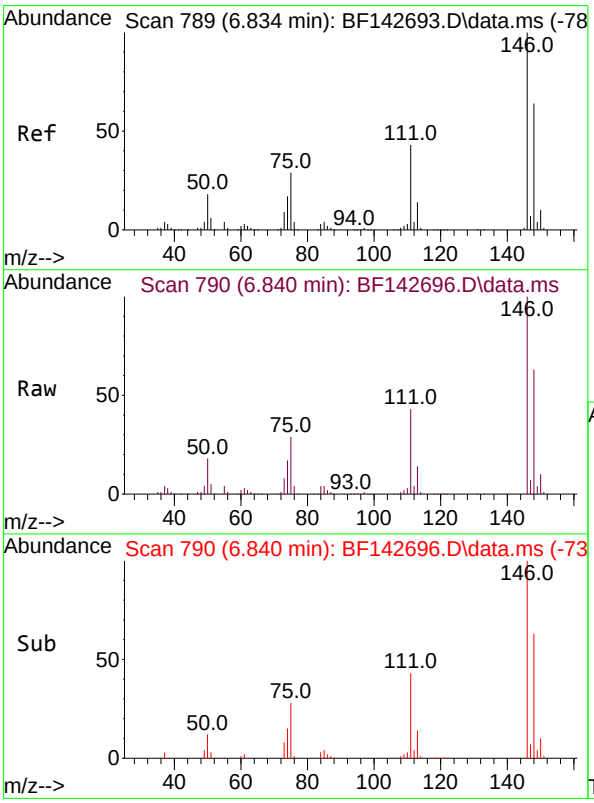
#11
bis(2-Chloroethyl)ether
Concen: 76.046 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 386147

Ion	Ratio	Lower	Upper
93	100		
63	78.5	60.0	100.0
95	32.8	12.2	52.2

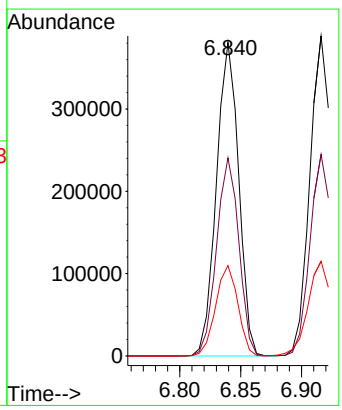


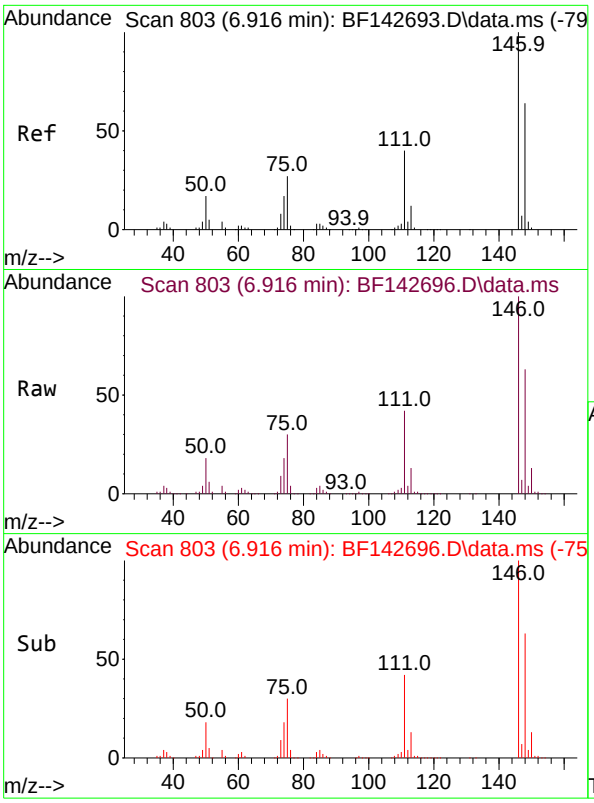


#12
1,3-Dichlorobenzene
Concen: 74.621 ng
RT: 6.840 min Scan# 790
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:146 Resp: 483942

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.4	77.2
75	28.8	23.1	34.7



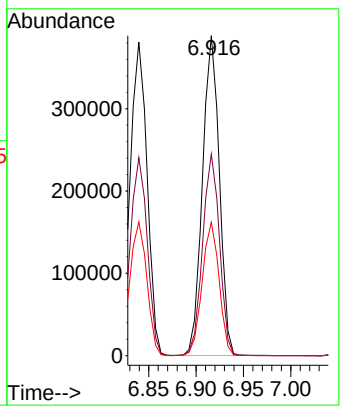


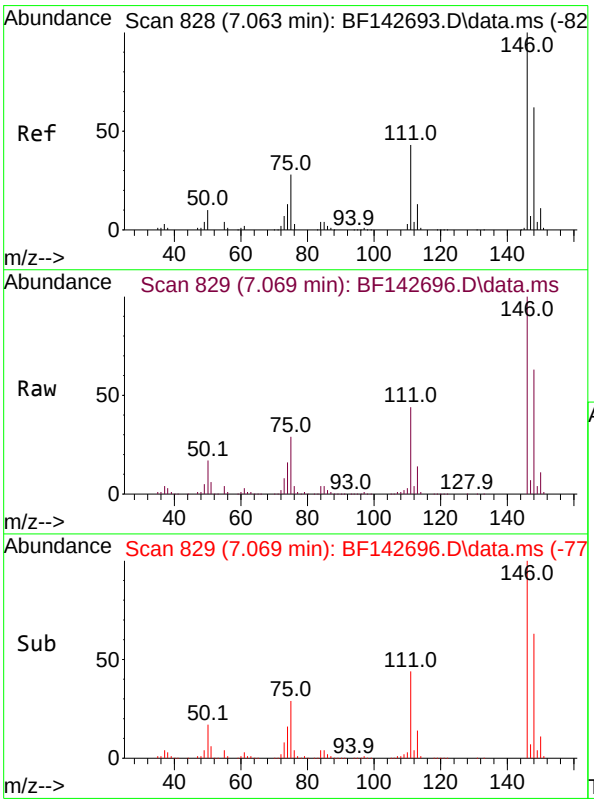
#13
1,4-Dichlorobenzene
Concen: 72.677 ng
RT: 6.916 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 481924

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.0	76.6
111	41.7	31.8	47.8

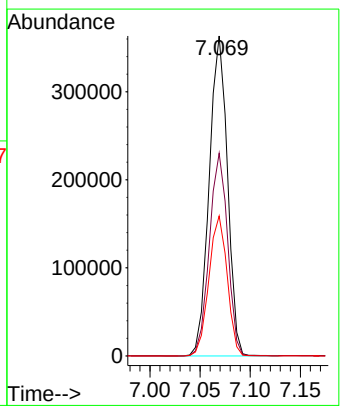


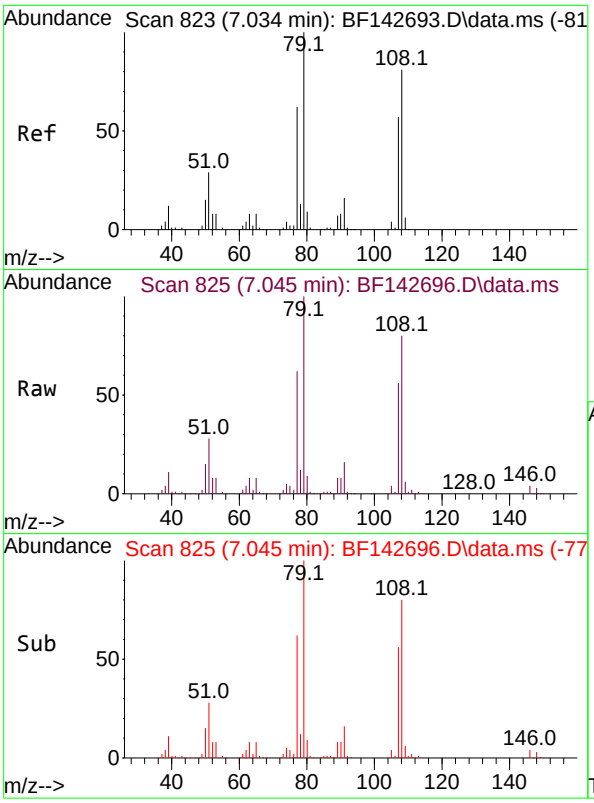


#14
1,2-Dichlorobenzene
Concen: 72.827 ng
RT: 7.069 min Scan# 829
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:146 Resp: 460457

Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.3	73.9
111	43.7	34.1	51.1



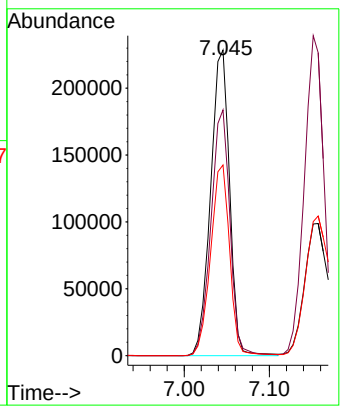


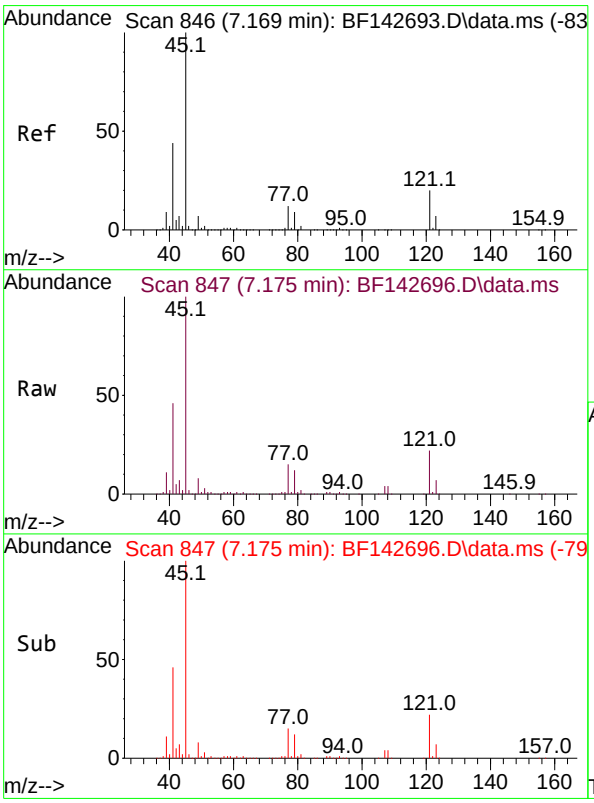
#15
Benzyl Alcohol
Concen: 77.605 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 353344

Ion	Ratio	Lower	Upper
79	100		
108	80.4	64.8	97.2
77	62.4	49.4	74.2

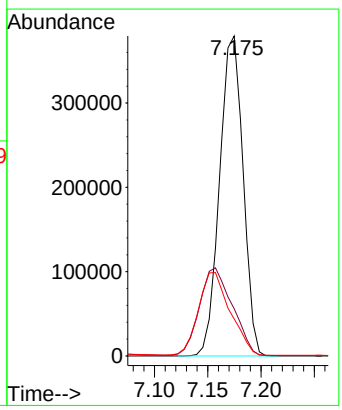


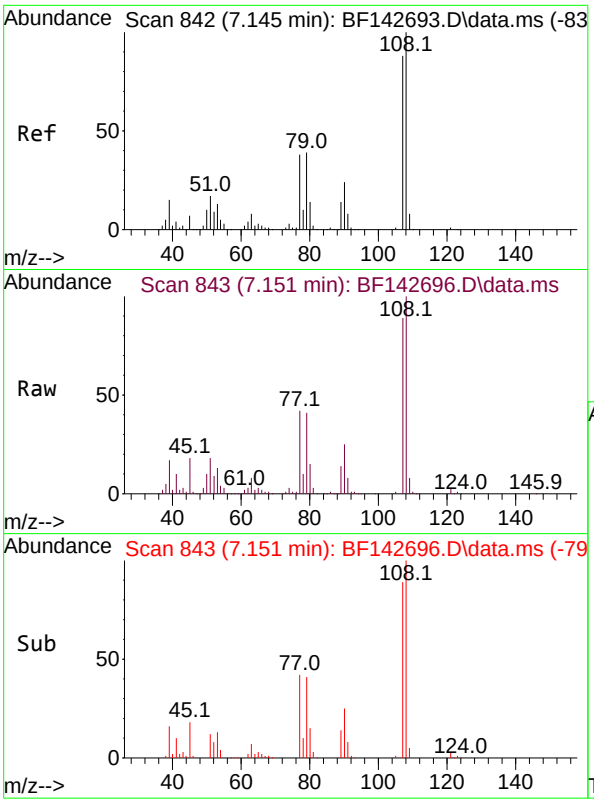


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.328 ng
RT: 7.175 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 45 Resp: 581512

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	32.8
79	11.5	0.0	30.3



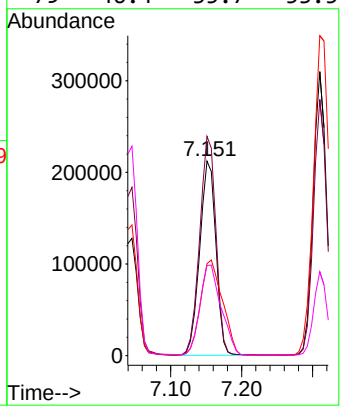


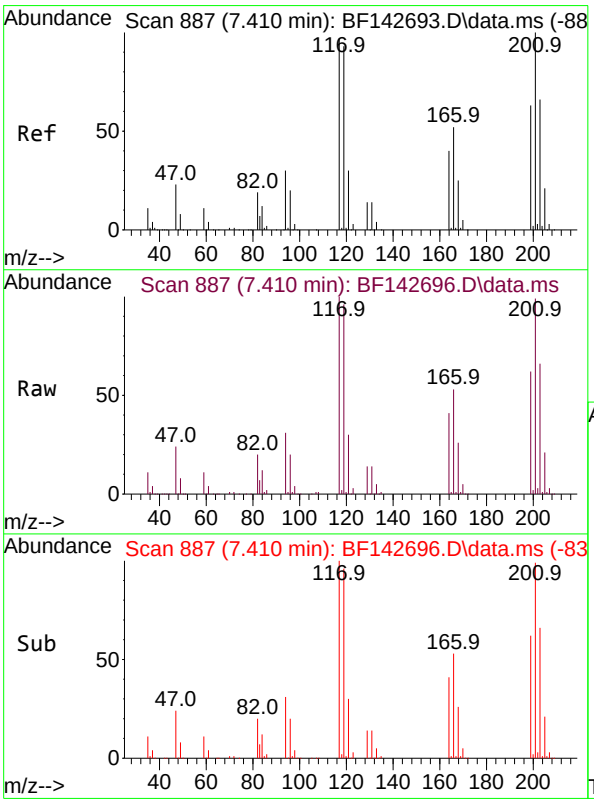
#17
2-Methylphenol
Concen: 75.432 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 334951

Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.0	136.4
77	47.2	34.9	52.3
79	46.4	35.7	53.5

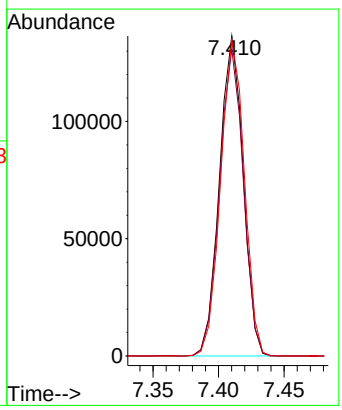


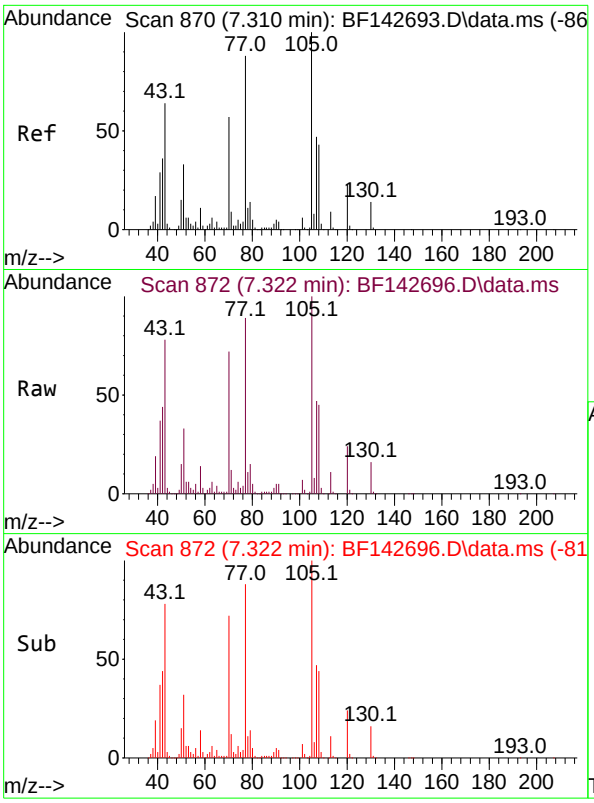


#18
Hexachloroethane
Concen: 75.410 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:117 Resp: 171792

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.1	115.7
201	98.9	82.6	123.8



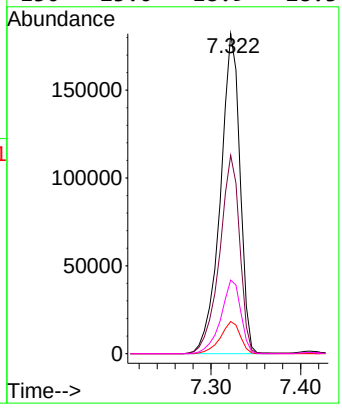


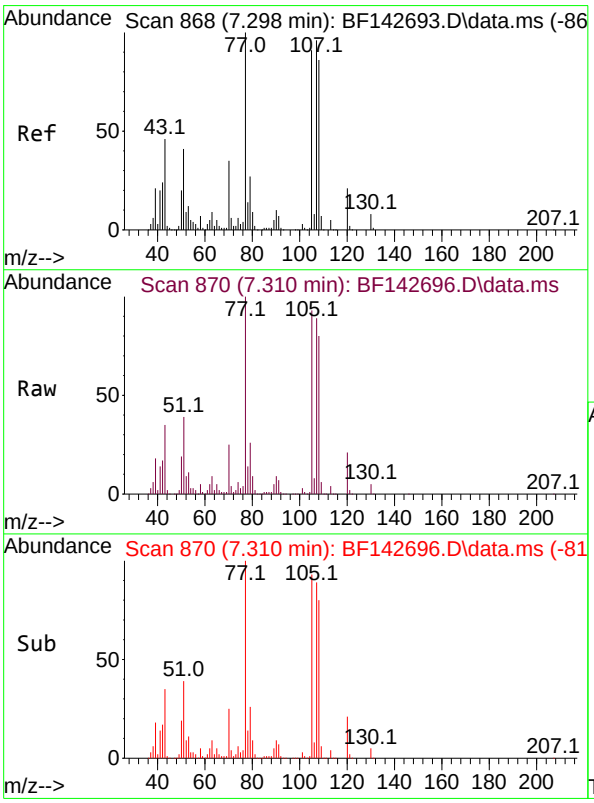
#19
n-Nitroso-di-n-propylamine
Concen: 76.043 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 277456

Ion	Ratio	Lower	Upper
70	100		
42	62.0	50.1	75.1
101	10.0	8.1	12.1
130	23.0	18.9	28.3

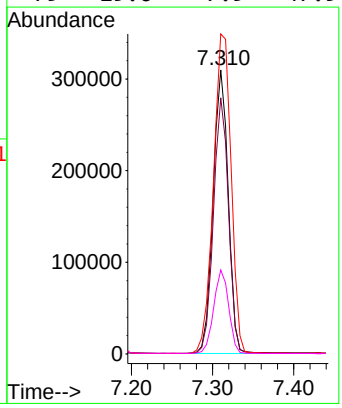


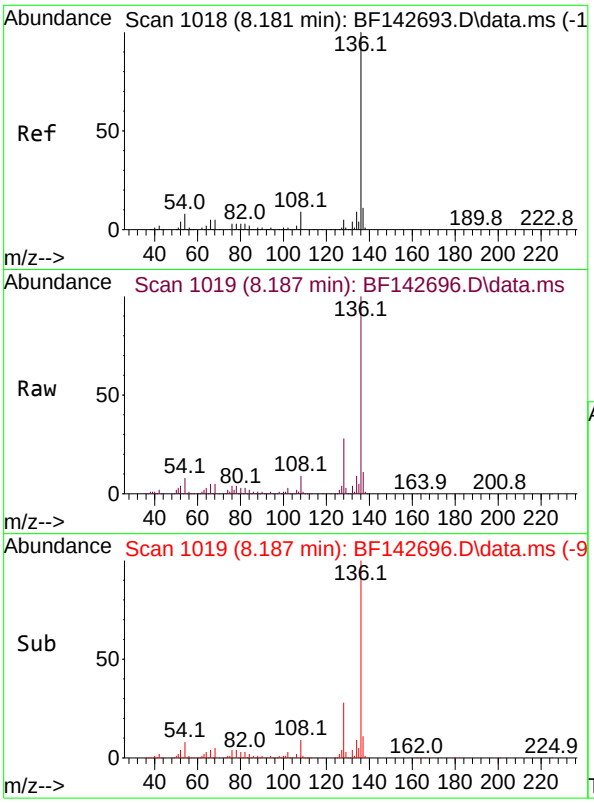


#20
3+4-Methylphenols
Concen: 73.024 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:107 Resp: 399349

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.5	109.5
77	112.7	83.6	123.6
79	29.6	7.9	47.9



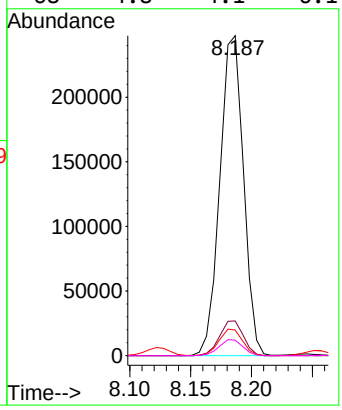


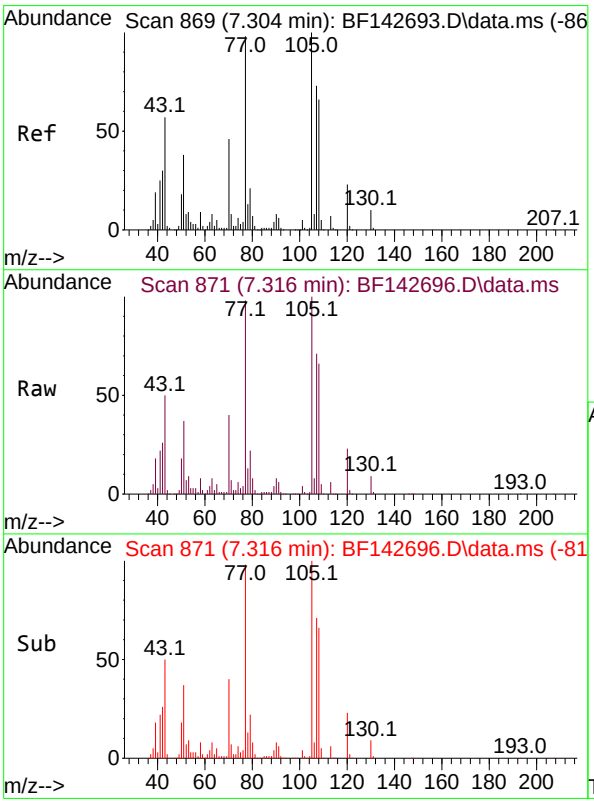
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 333988

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.4	9.6
68	4.8	4.1	6.1

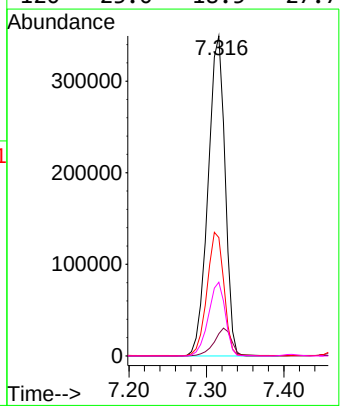


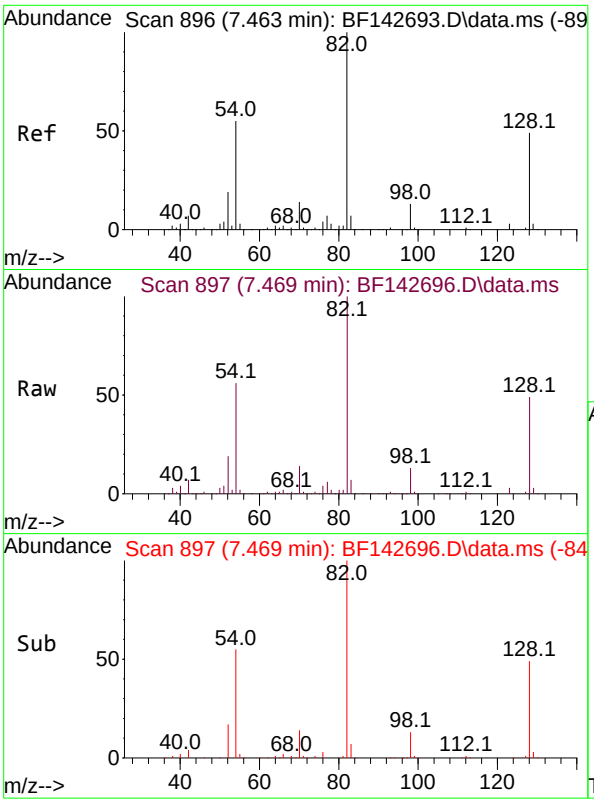


#22
Acetophenone
Concen: 72.968 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:105 Resp: 532727

Ion	Ratio	Lower	Upper
105	100		
71	6.9	6.2	9.2
51	37.0	30.8	46.2
120	23.0	18.5	27.7



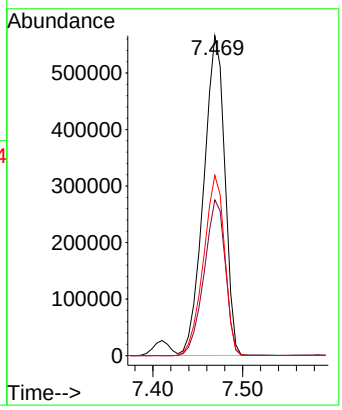


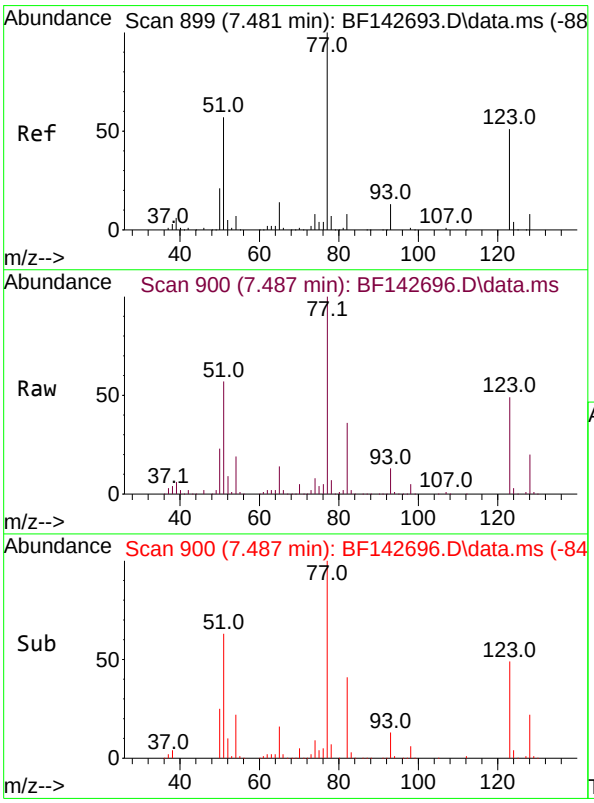
#23
Nitrobenzene-d5
Concen: 152.061 ng
RT: 7.469 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 924119

Ion	Ratio	Lower	Upper
82	100		
128	48.7	39.3	58.9
54	56.3	44.2	66.2

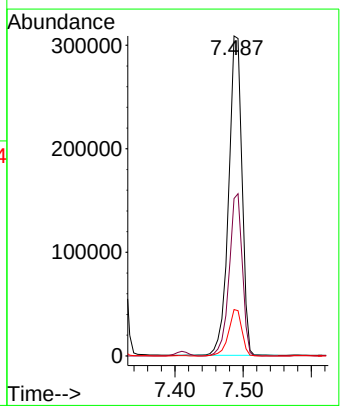


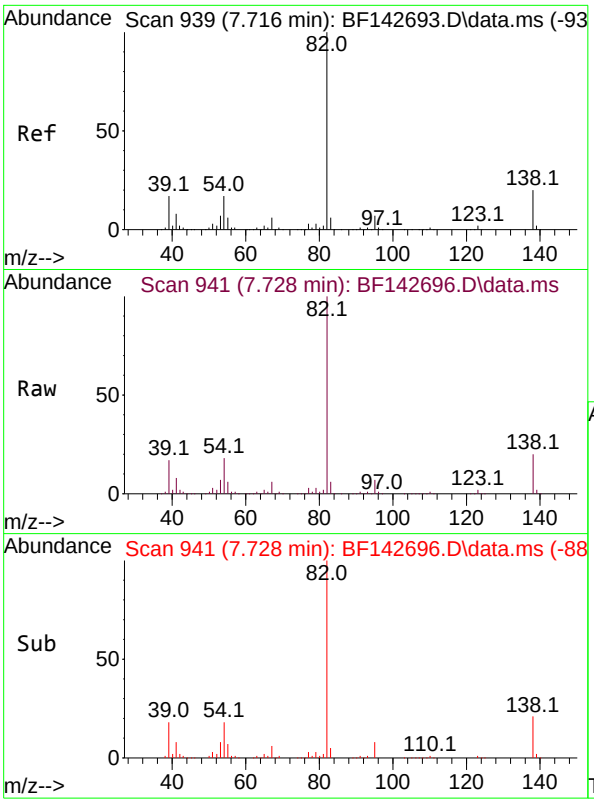


#24
Nitrobenzene
Concen: 76.334 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 77 Resp: 418371

Ion	Ratio	Lower	Upper
77	100		
123	49.2	41.3	61.9
65	14.5	11.2	16.8



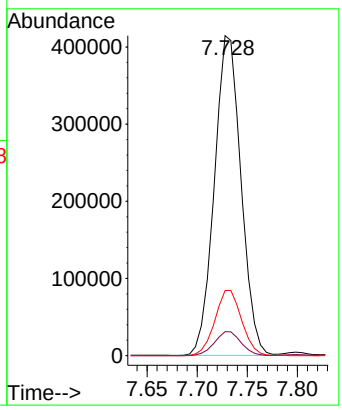


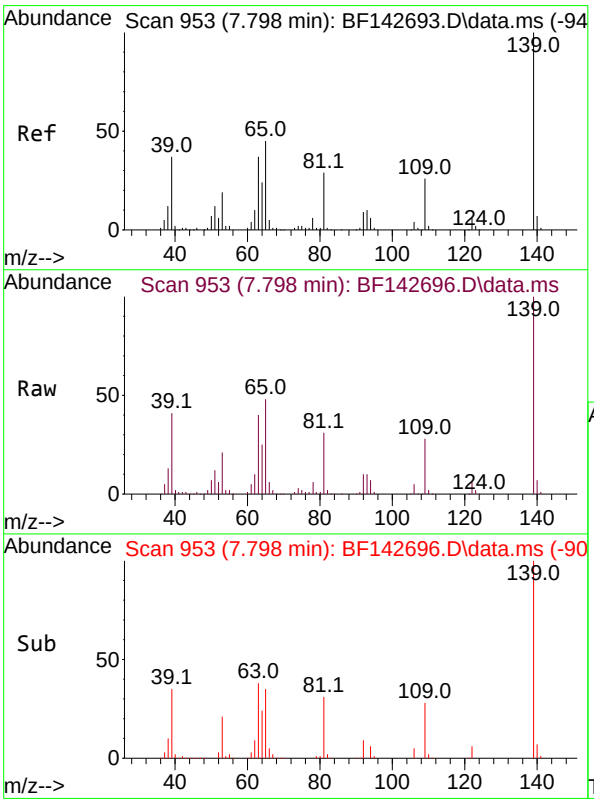
#25
Isophorone
Concen: 77.682 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 765934

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	20.3	16.1	24.1

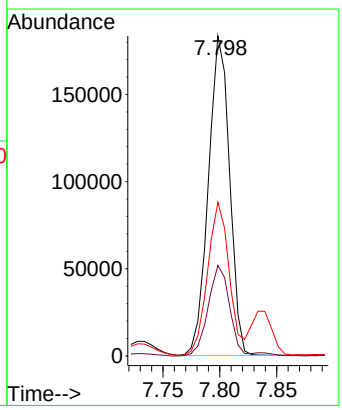


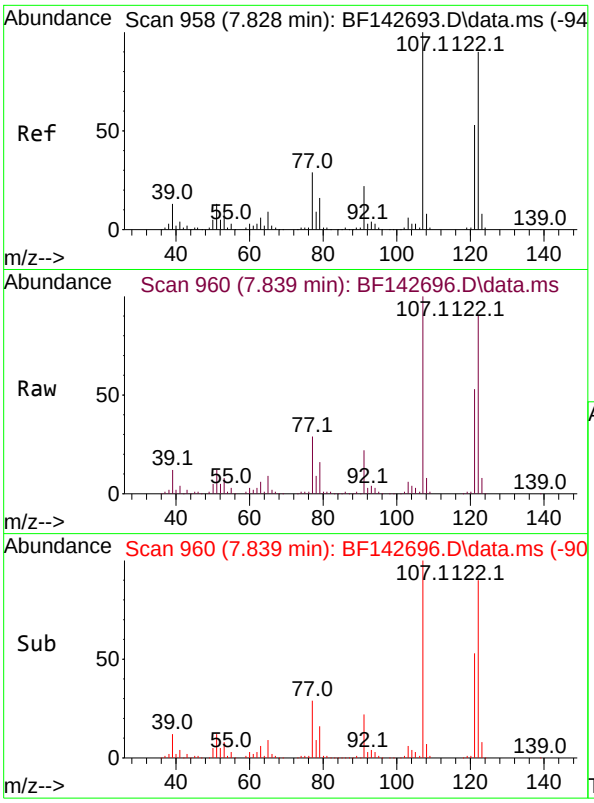


#26
2-Nitrophenol
Concen: 78.712 ng
RT: 7.798 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:139 Resp: 237966

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.0	31.6
65	48.0	36.2	54.2



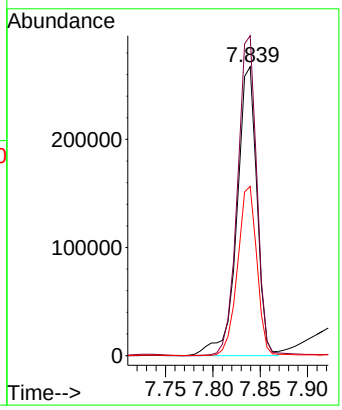


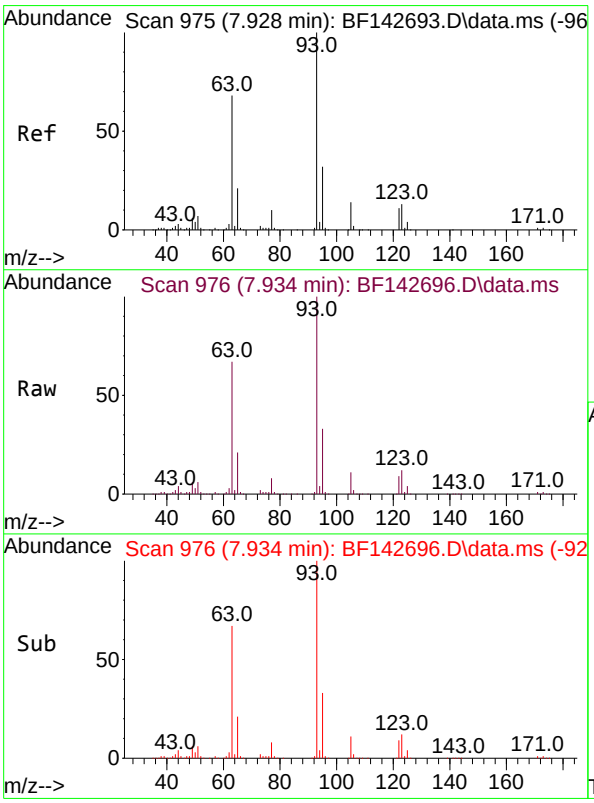
#27
2,4-Dimethylphenol
Concen: 76.401 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 392556

Ion	Ratio	Lower	Upper
122	100		
107	110.8	89.4	134.2
121	58.6	47.1	70.7

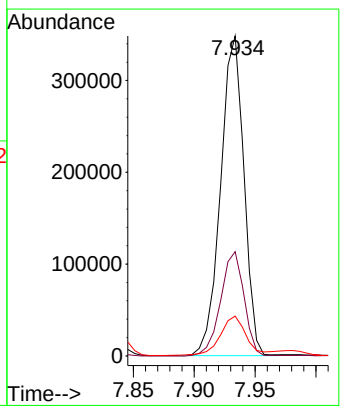


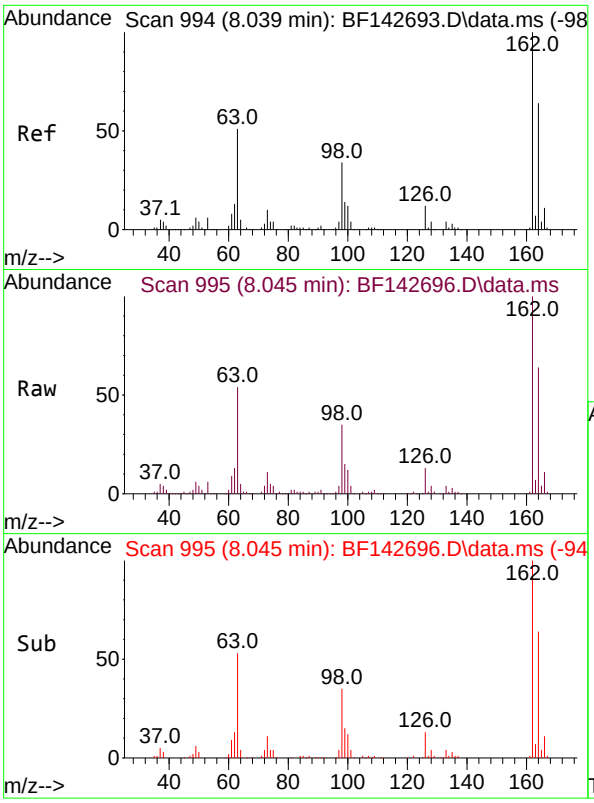


#28
bis(2-Chloroethoxy)methane
Concen: 75.225 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 93 Resp: 465203

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.4	38.2
123	12.4	10.5	15.7



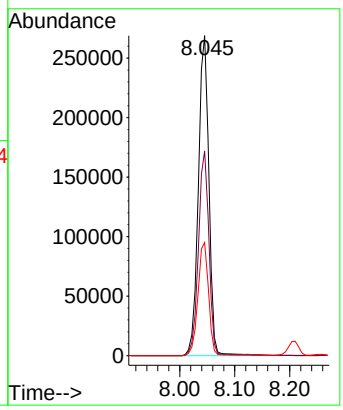


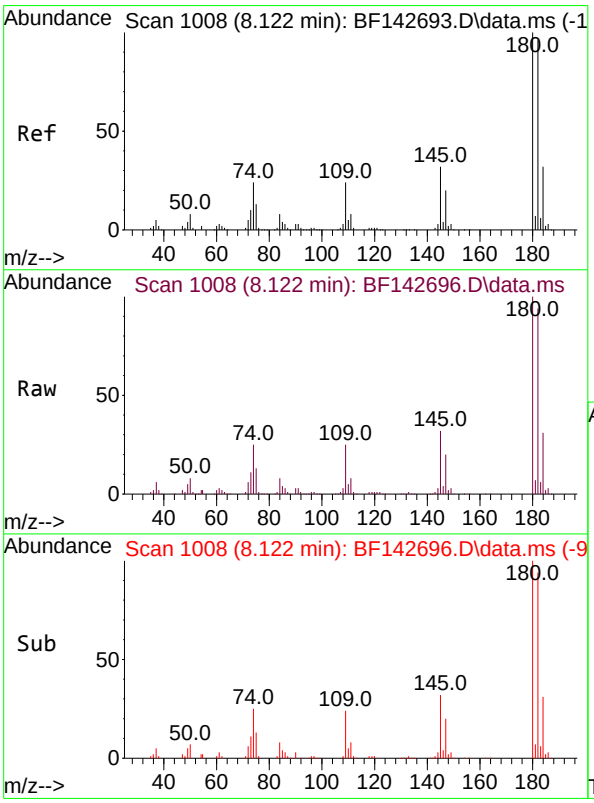
#29
2,4-Dichlorophenol
Concen: 76.047 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 357959

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	35.3	14.4	54.4

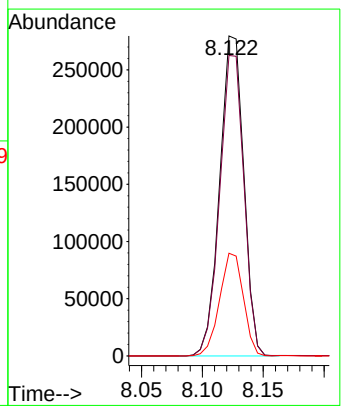


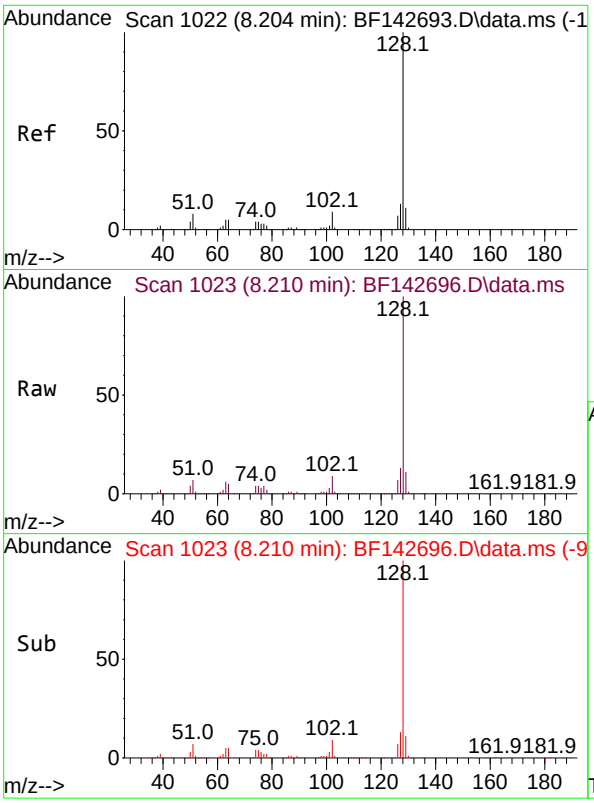


#30
1,2,4-Trichlorobenzene
Concen: 74.843 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:180 Resp: 384272

Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.6	114.8
145	32.1	25.4	38.0



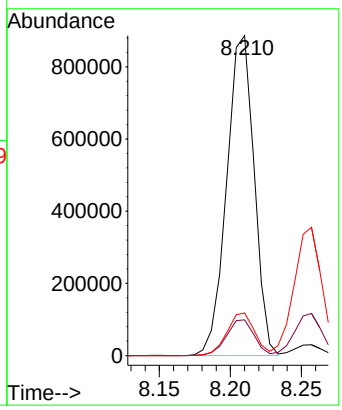


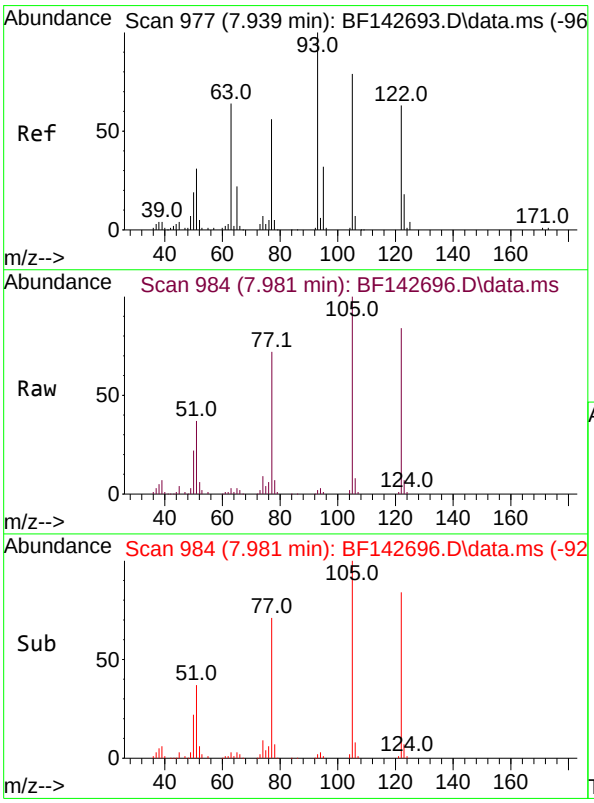
#31
Naphthalene
Concen: 72.555 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1194109

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.3	10.6	15.8

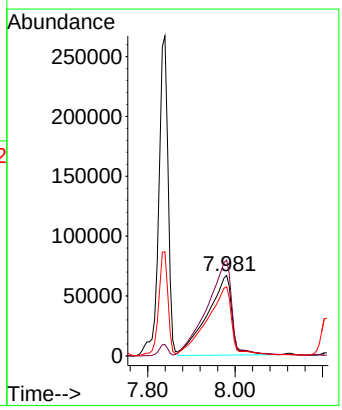


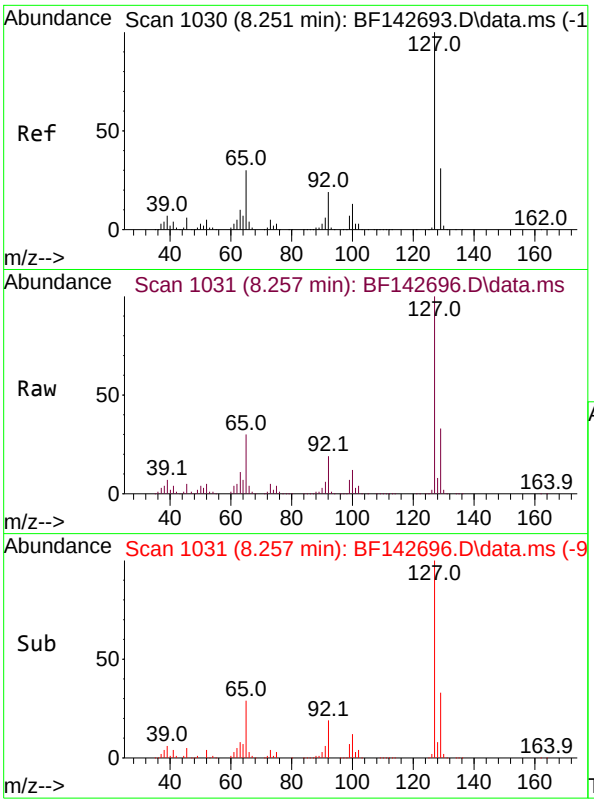


#32
Benzoic acid
Concen: 83.776 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.041 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:122 Resp: 261312

Ion	Ratio	Lower	Upper
122	100		
105	119.2	100.3	140.3
77	86.0	67.9	107.9



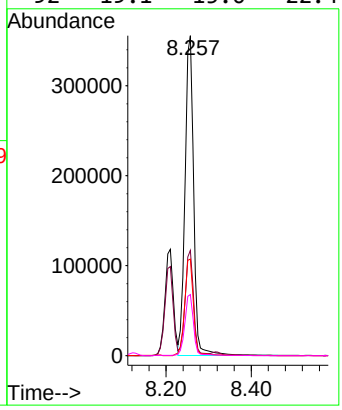


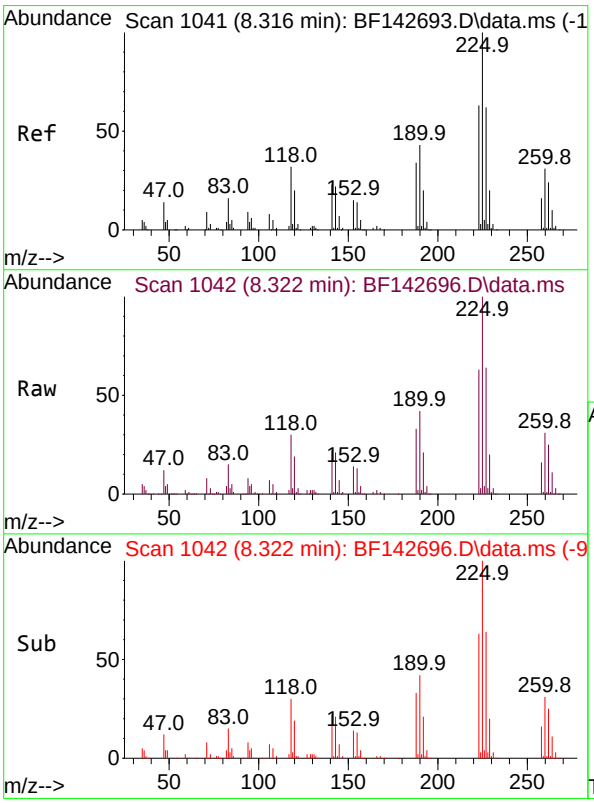
#33
4-Chloroaniline
Concen: 73.795 ng
RT: 8.257 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 499313

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	30.2	23.8	35.6
92	19.1	15.0	22.4

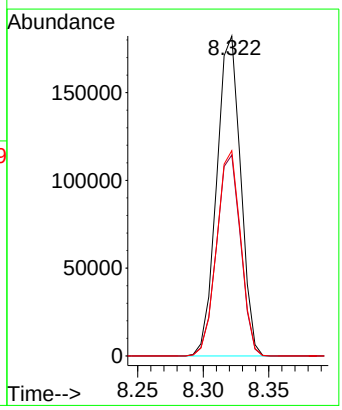


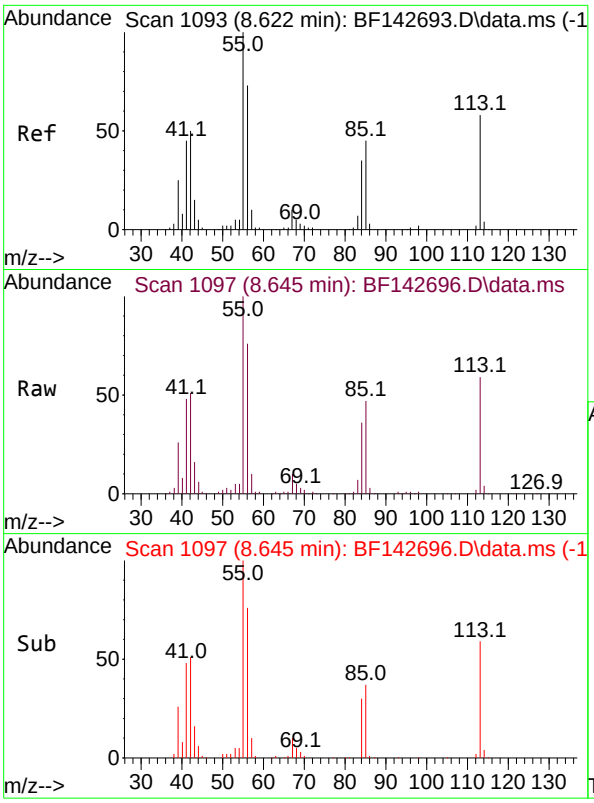


#34
Hexachlorobutadiene
Concen: 73.239 ng
RT: 8.322 min Scan# 1042
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:225 Resp: 231593

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.7	76.1
227	64.1	49.8	74.8



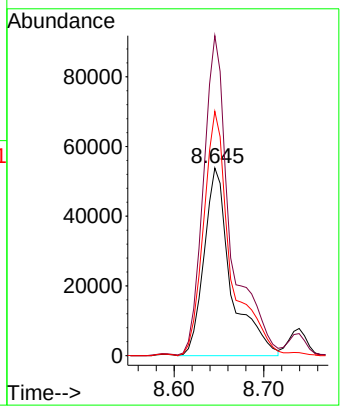


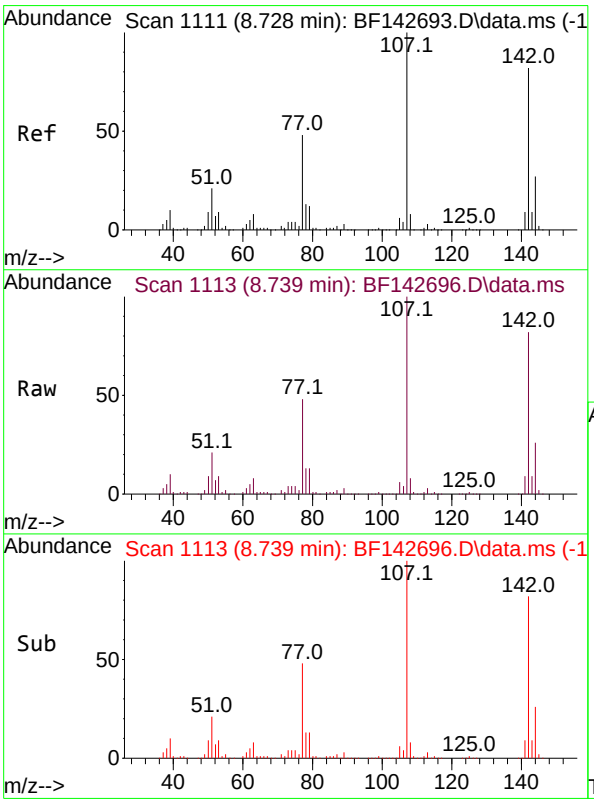
#35
Caprolactam
Concen: 78.145 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 112979

Ion	Ratio	Lower	Upper
113	100		
55	170.6	152.9	192.9
56	130.2	106.6	146.6

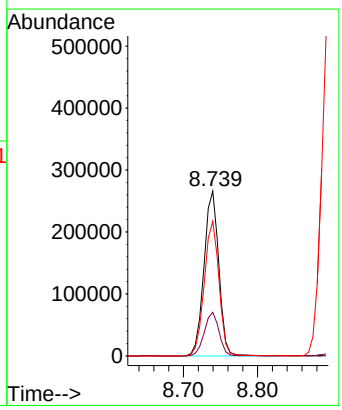


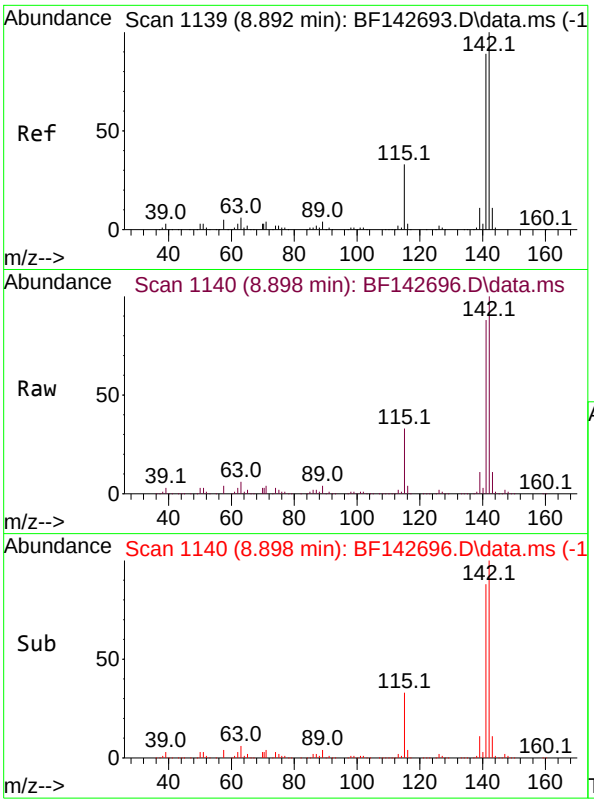


#36
4-Chloro-3-methylphenol
Concen: 75.878 ng
RT: 8.739 min Scan# 1113
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:107 Resp: 368412

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.5	32.3
142	81.7	65.5	98.3



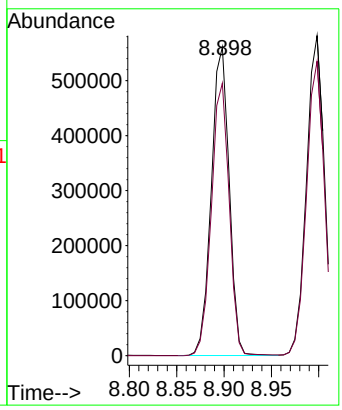


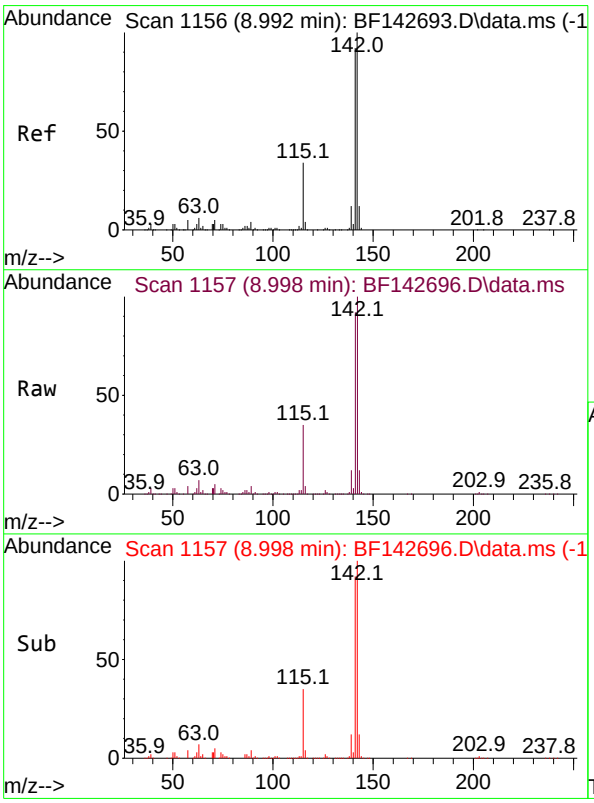
#37
2-Methylnaphthalene
Concen: 70.958 ng
RT: 8.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 734819

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

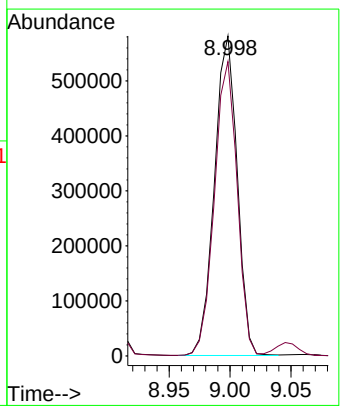


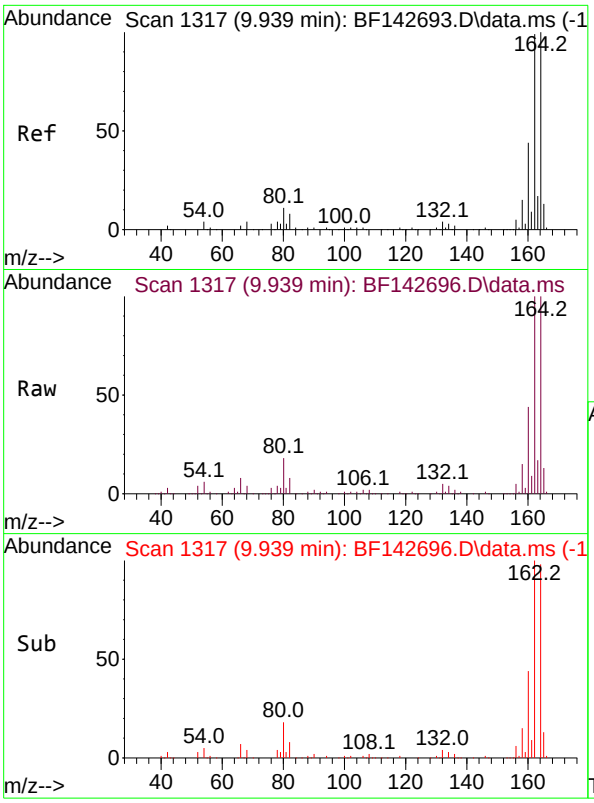


#38
1-Methylnaphthalene
Concen: 70.665 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:142 Resp: 757808

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.7	110.5



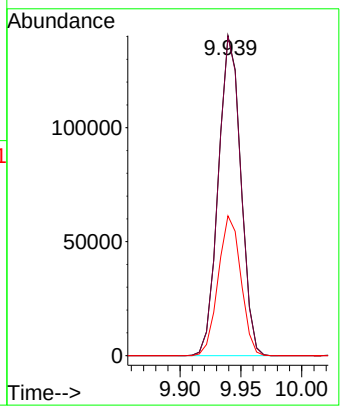


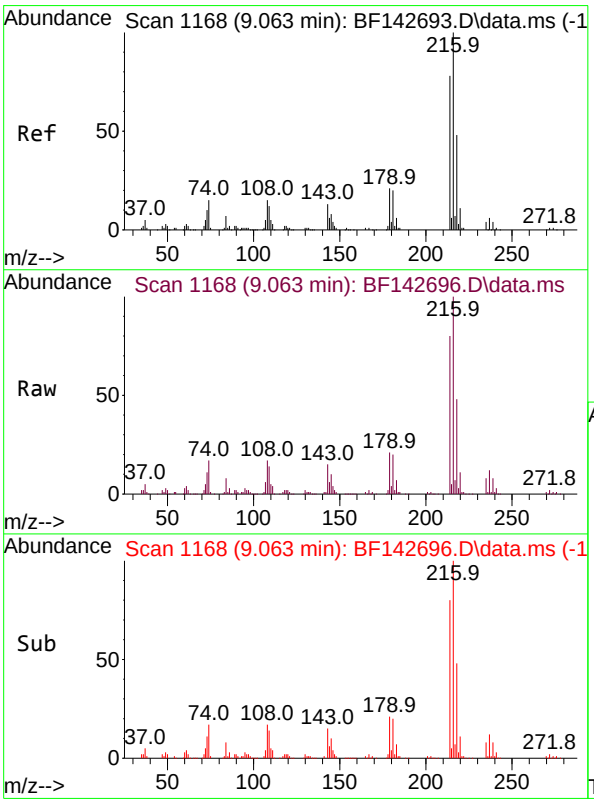
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 180739

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.1	118.7
160	43.7	35.4	53.0

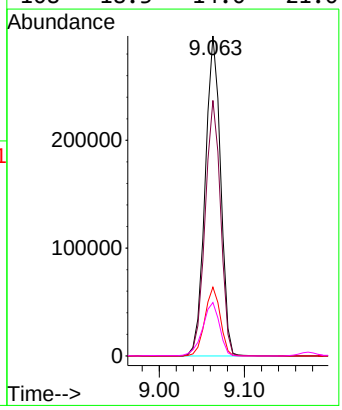


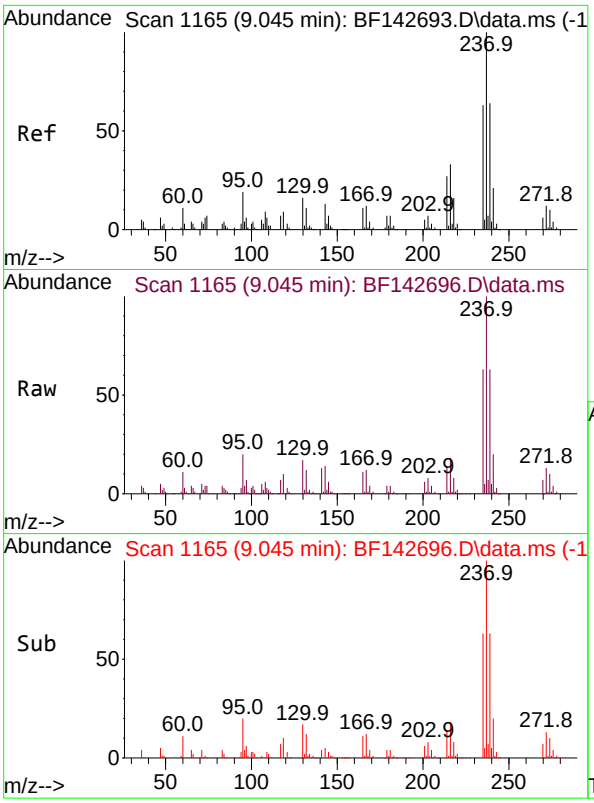


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.365 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:216 Resp: 372756

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.0	94.6
179	21.4	16.6	25.0
108	18.3	14.0	21.0



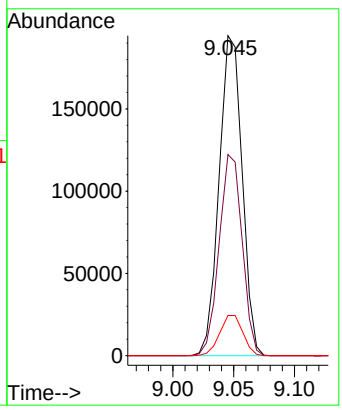


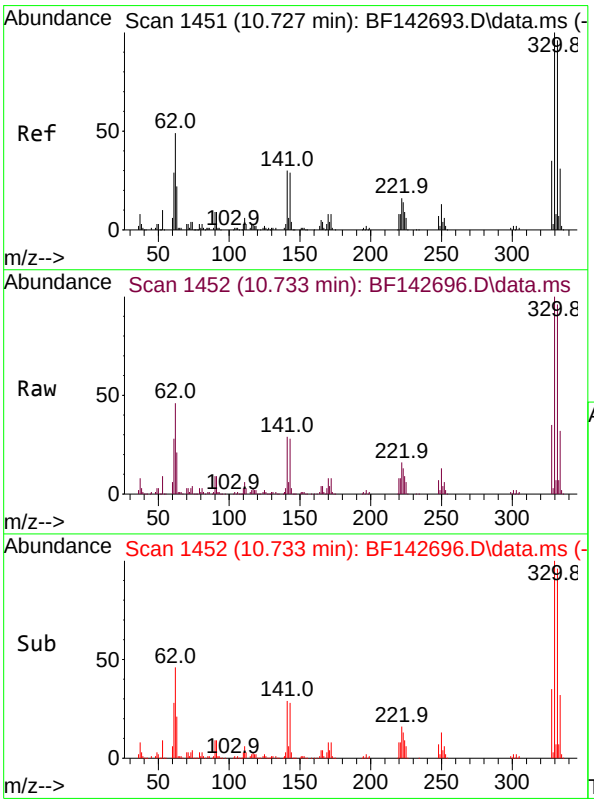
#41
Hexachlorocyclopentadiene
Concen: 83.458 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 255993

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.1	83.1
272	12.5	0.0	32.5

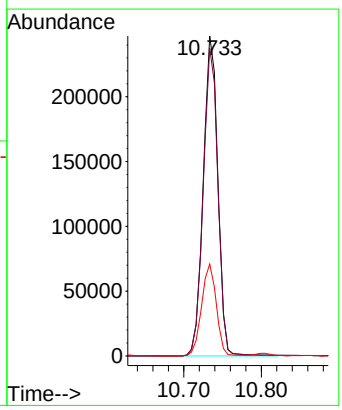


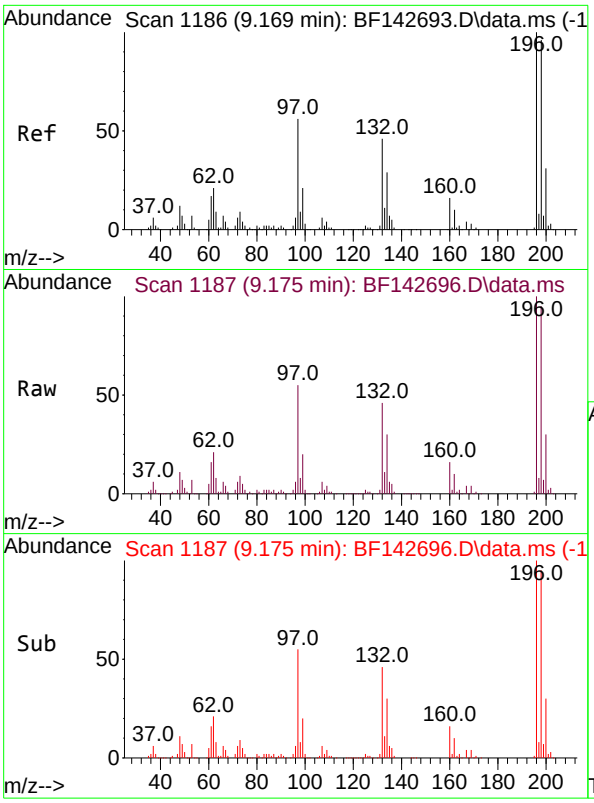


#42
2,4,6-Tribromophenol
Concen: 158.858 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:330 Resp: 322580

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	29.0	23.5	35.3



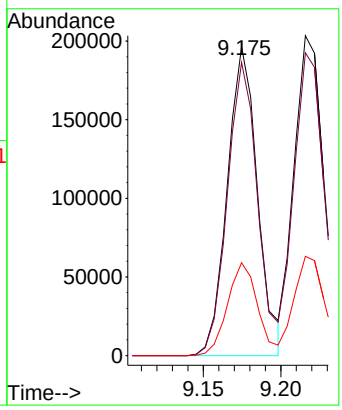


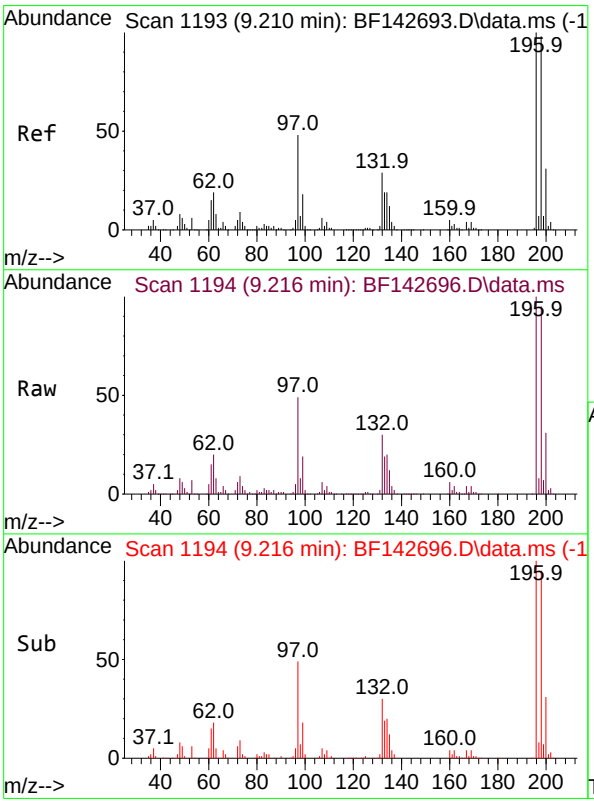
#43
2,4,6-Trichlorophenol
Concen: 77.640 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 266092

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.1	115.7
200	30.1	24.5	36.7

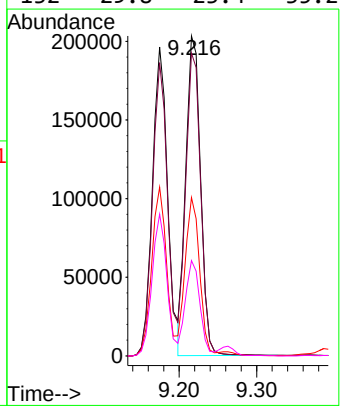


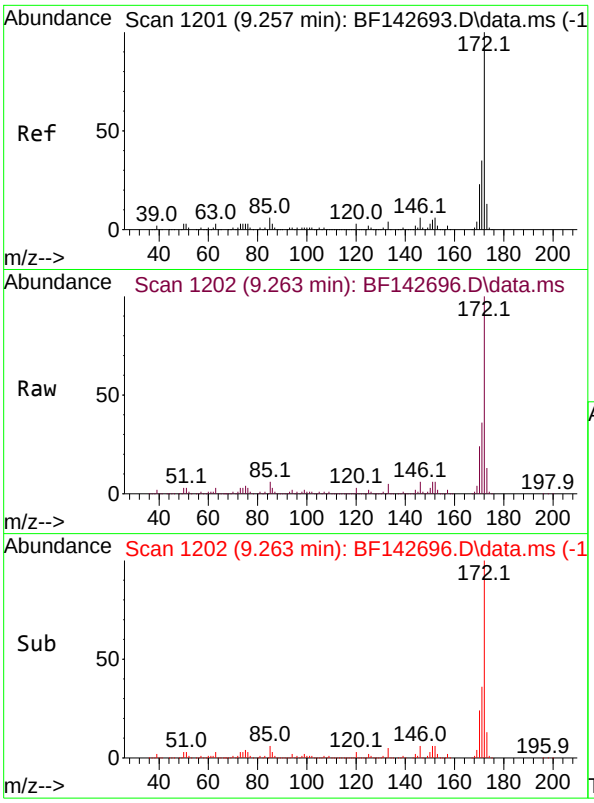


#44
2,4,5-Trichlorophenol
Concen: 73.980 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:196 Resp: 270814

Ion	Ratio	Lower	Upper
196	100		
198	94.6	78.2	117.2
97	49.5	39.2	58.8
132	29.8	23.4	35.2



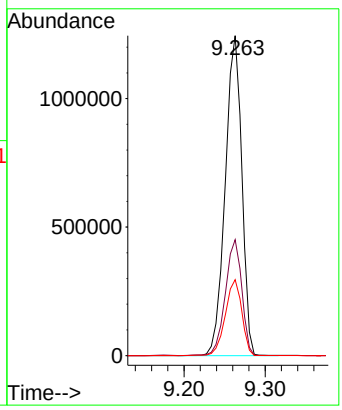


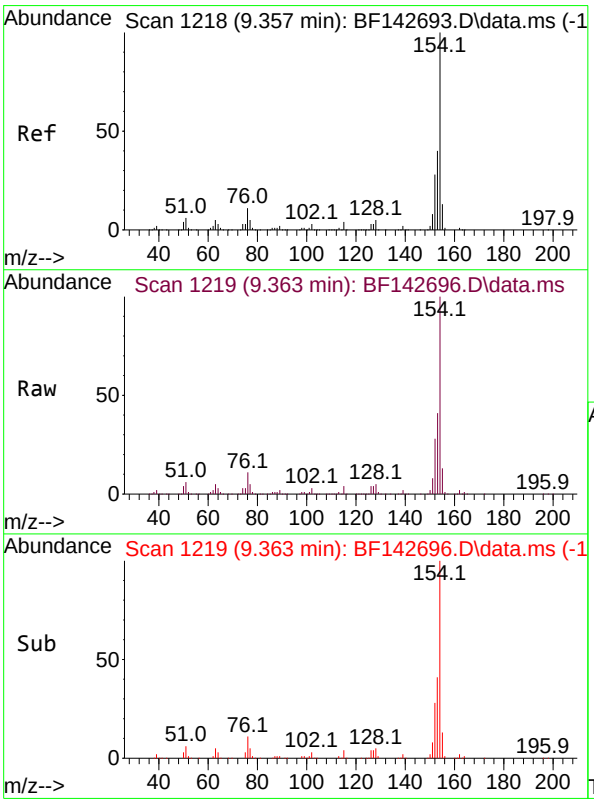
#45
2-Fluorobiphenyl
Concen: 133.510 ng
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 1764478

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	23.7	18.7	28.1

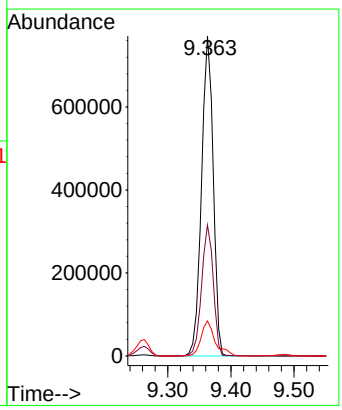


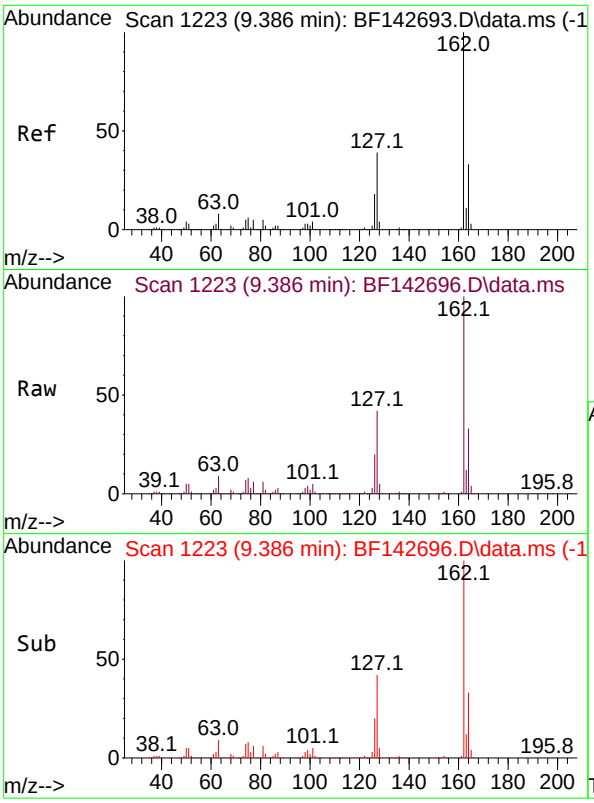


#46
1,1'-Biphenyl
Concen: 70.380 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:154 Resp: 989140

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.4	60.4
76	10.9	0.0	31.4



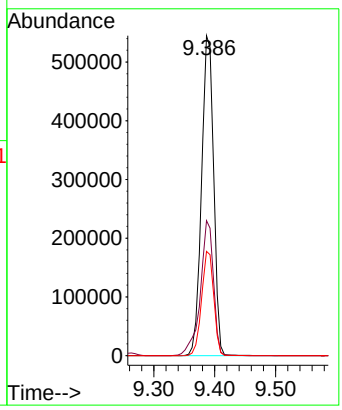


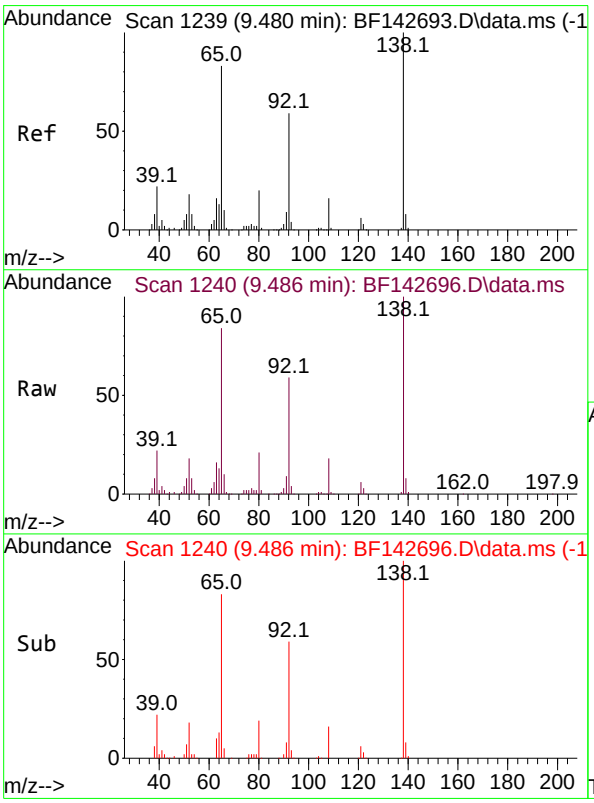
#47
2-Chloronaphthalene
Concen: 71.213 ng
RT: 9.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 749902

Ion	Ratio	Lower	Upper
162	100		
127	42.2	31.7	47.5
164	32.6	26.2	39.4

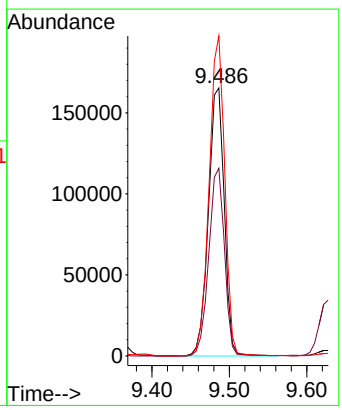


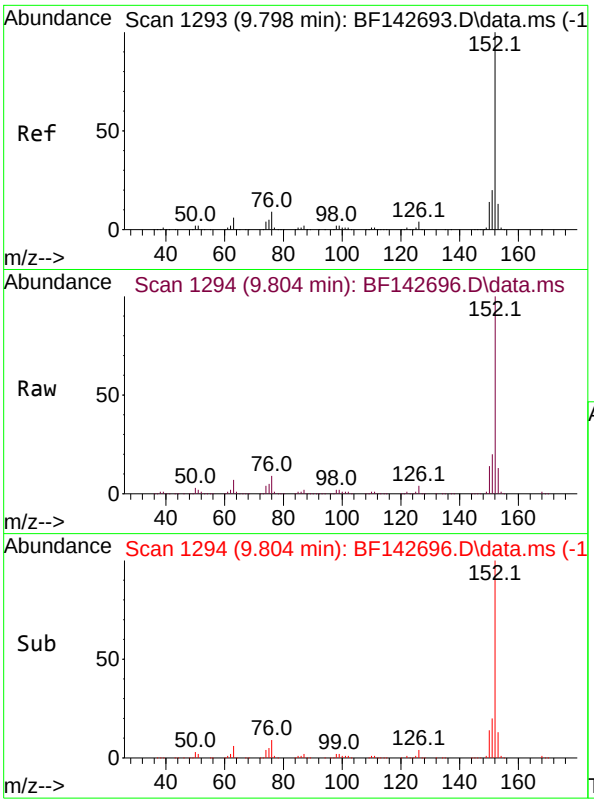


#48
2-Nitroaniline
Concen: 75.159 ng
RT: 9.486 min Scan# 1240
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion: 65 Resp: 235518

Ion	Ratio	Lower	Upper
65	100		
92	70.0	56.3	84.5
138	119.4	95.9	143.9



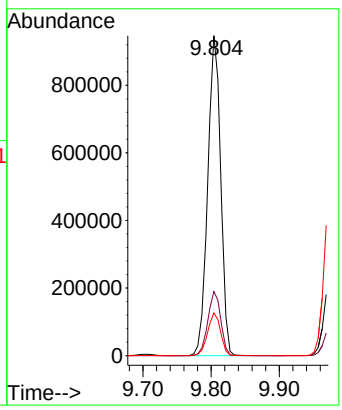


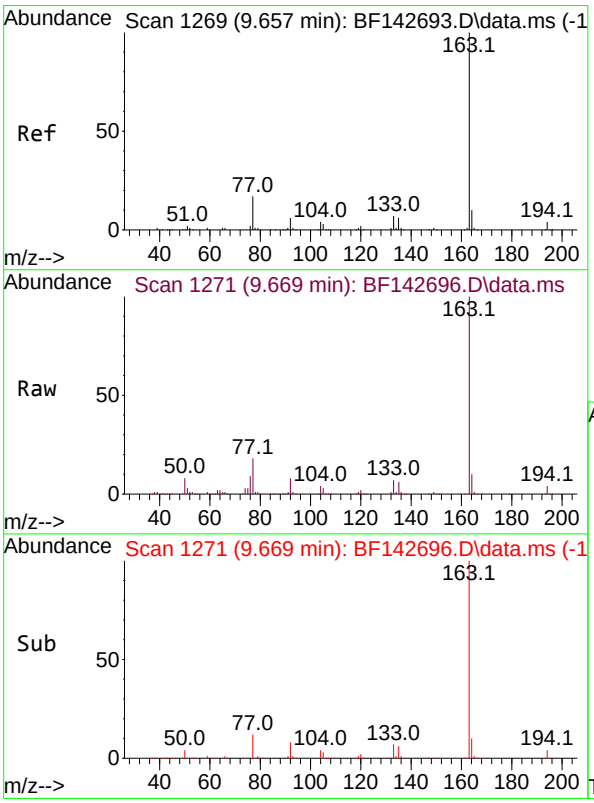
#49
Acenaphthylene
Concen: 71.531 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1248414

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.5	15.7

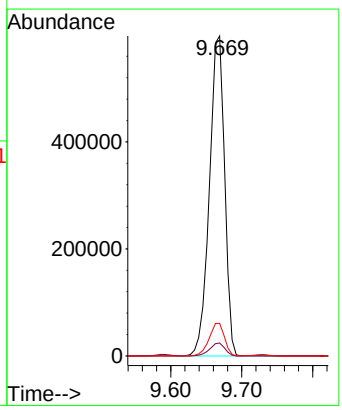


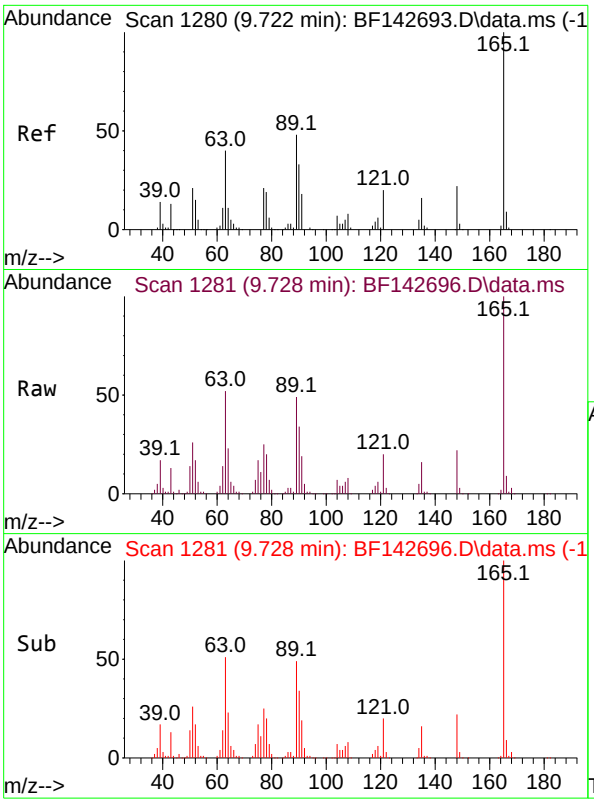


#50
Dimethylphthalate
Concen: 73.216 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:163 Resp: 890324

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.1	12.1



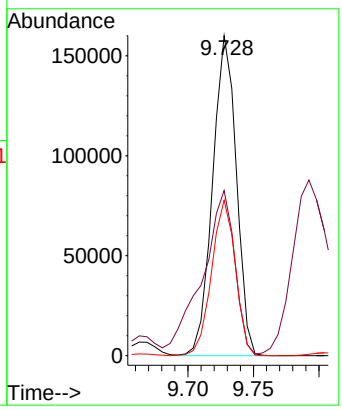


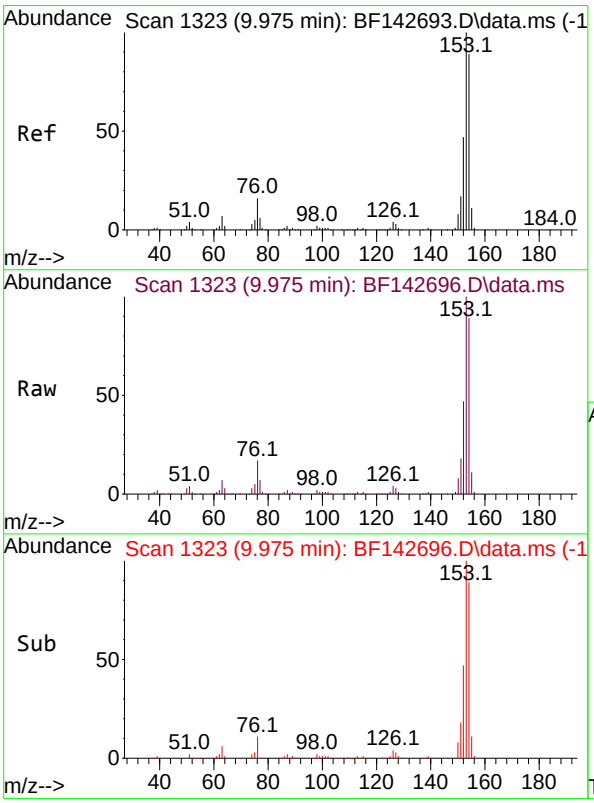
#51
2,6-Dinitrotoluene
Concen: 76.708 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 201782

Ion	Ratio	Lower	Upper
165	100		
63	51.6	41.3	61.9
89	48.6	38.1	57.1

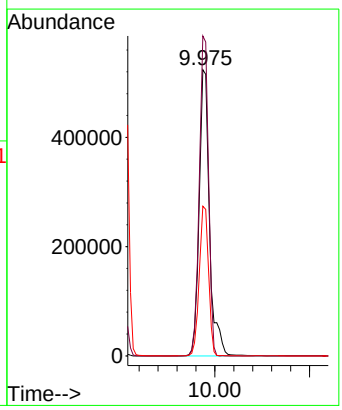


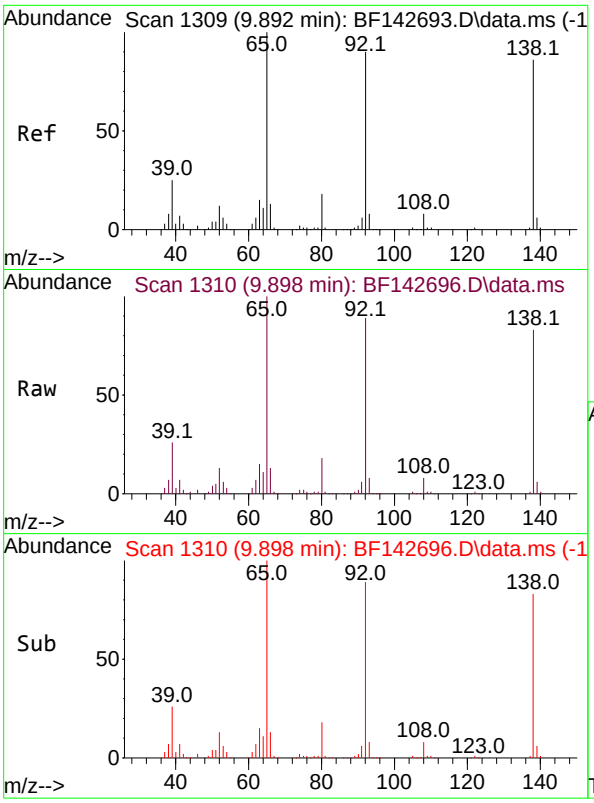


#52
Acenaphthene
Concen: 74.344 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:154 Resp: 793723

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	52.3	41.8	62.8



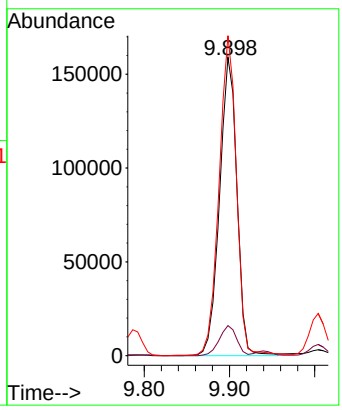


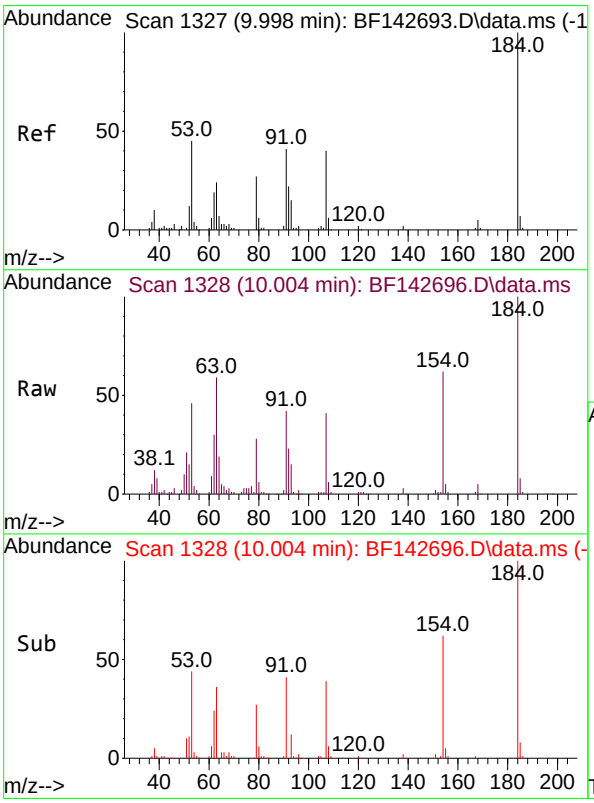
#53
3-Nitroaniline
Concen: 76.148 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 225075

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.7	11.5
92	107.3	83.4	125.0

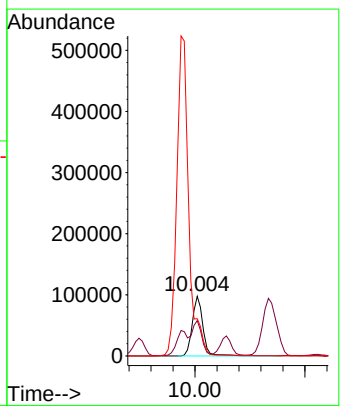


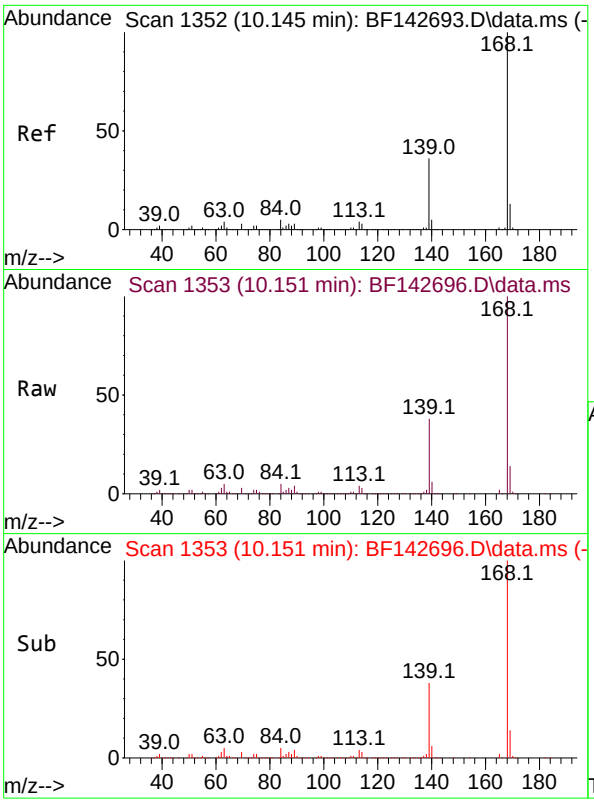


#54
2,4-Dinitrophenol
Concen: 90.409 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:184 Resp: 131672

Ion	Ratio	Lower	Upper
184	100		
63	59.1	47.4	71.0
154	62.4	48.6	73.0



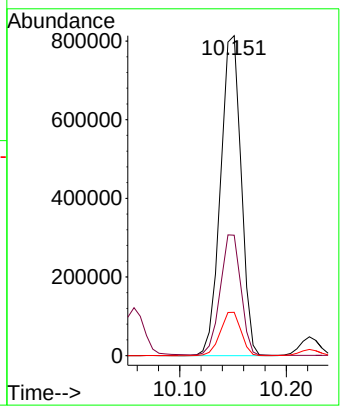


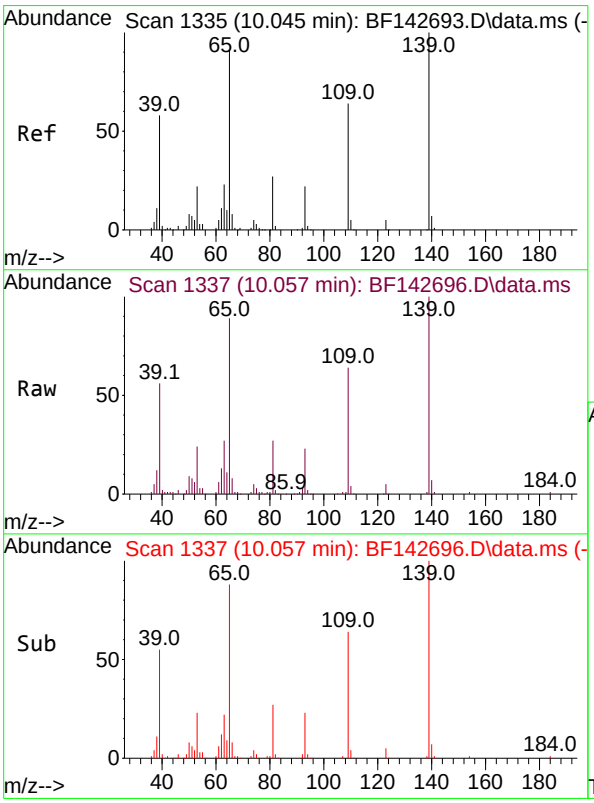
#55
Dibenzofuran
Concen: 71.523 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1095484

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.2	43.8
169	13.5	10.7	16.1

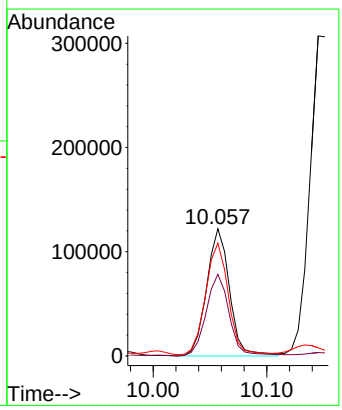


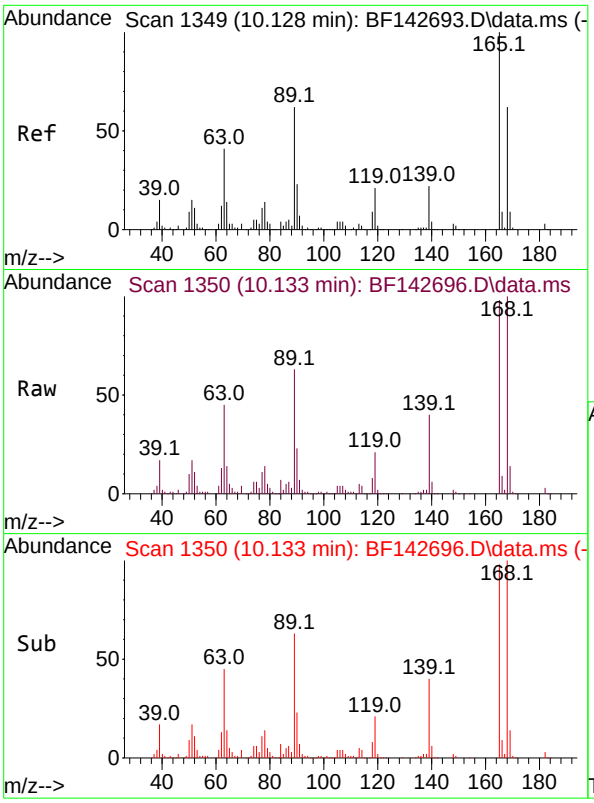


#56
4-Nitrophenol
Concen: 84.220 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:139 Resp: 171106

Ion	Ratio	Lower	Upper
139	100		
109	64.1	44.4	84.4
65	88.7	72.1	112.1



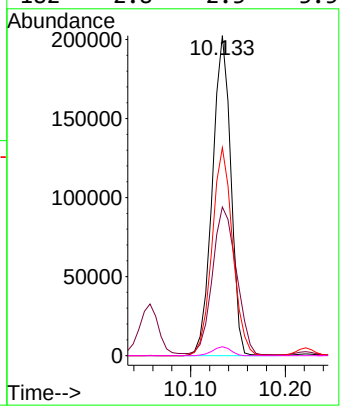


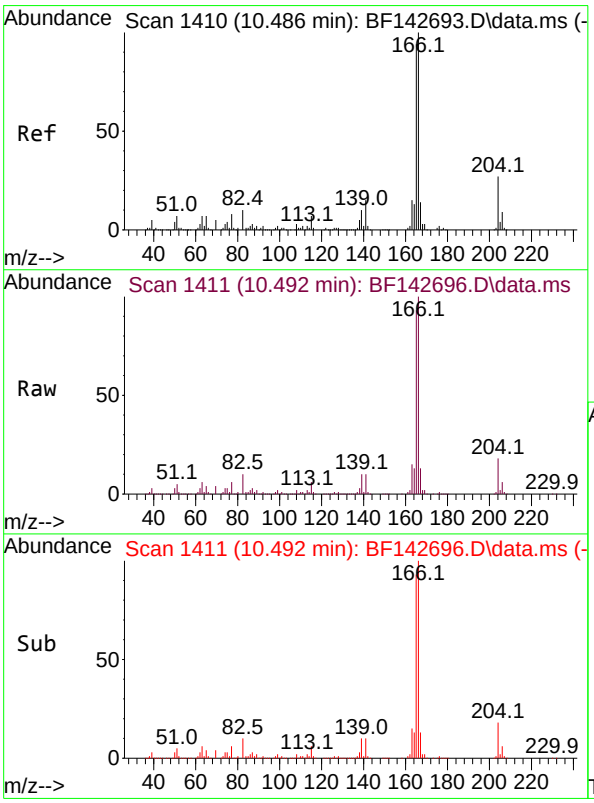
#57
2,4-Dinitrotoluene
Concen: 77.809 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 274359

Ion	Ratio	Lower	Upper
165	100		
63	46.4	33.6	50.4
89	65.0	49.4	74.0
182	2.8	2.3	3.5

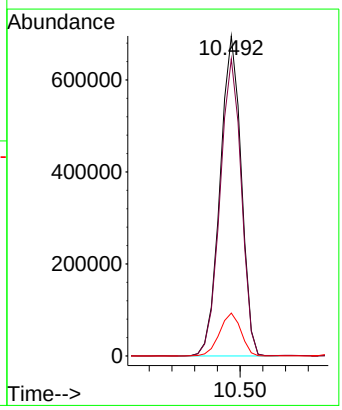


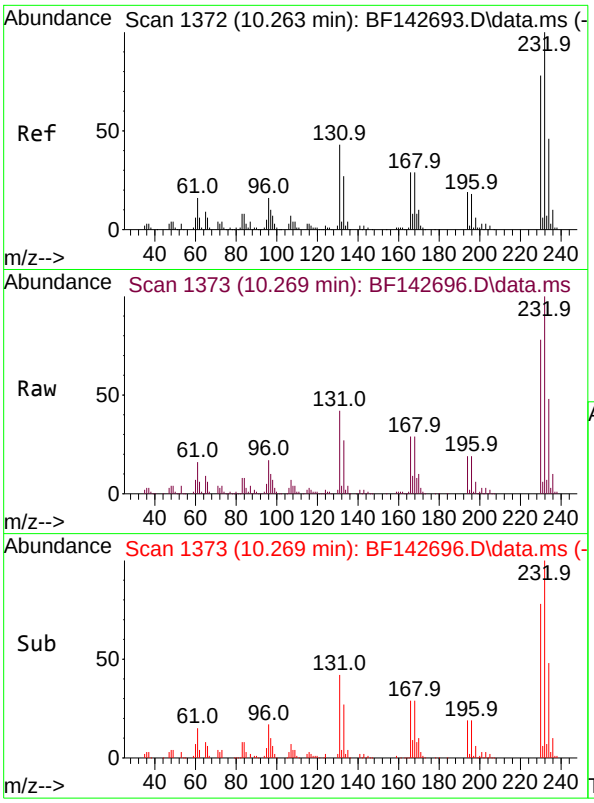


#58
Fluorene
Concen: 73.236 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:166 Resp: 896579

Ion	Ratio	Lower	Upper
166	100		
165	92.8	75.0	112.6
167	13.4	10.8	16.2



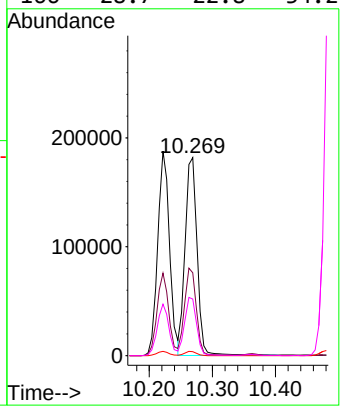


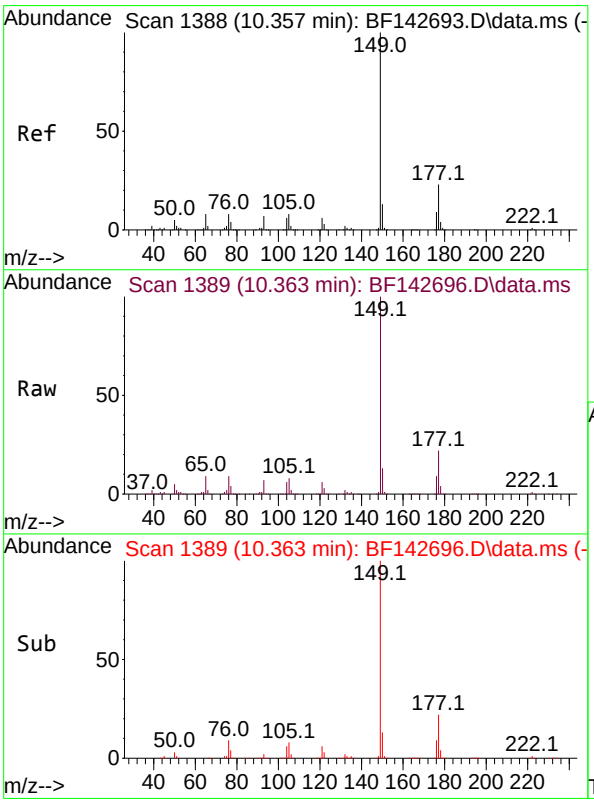
#59
2,3,4,6-Tetrachlorophenol
Concen: 77.969 ng
RT: 10.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 240173

Ion	Ratio	Lower	Upper
232	100		
131	43.2	33.5	50.3
130	2.1	1.5	2.3
166	28.7	22.8	34.2

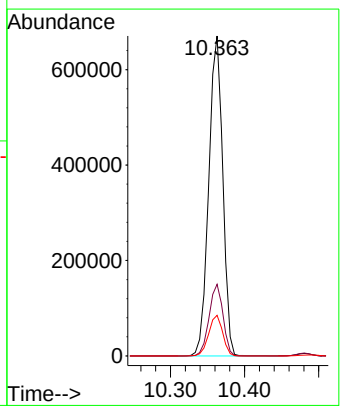


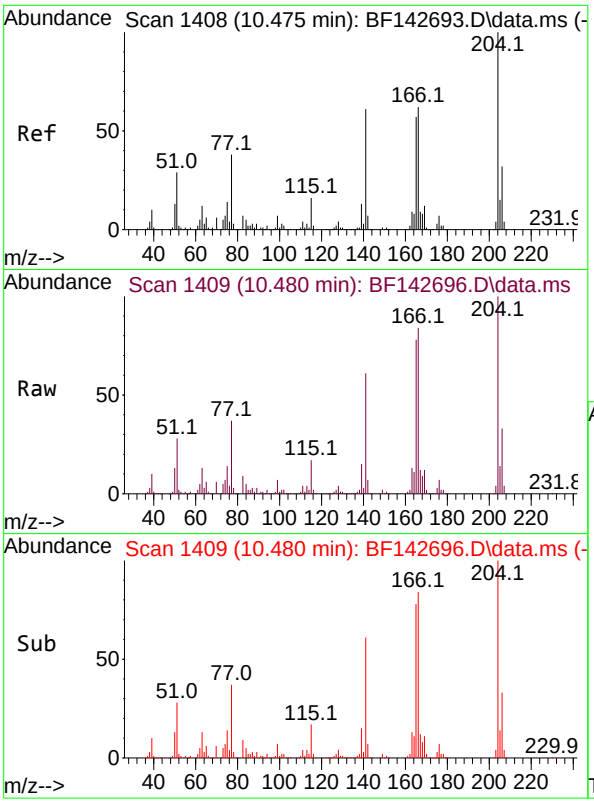


#60
Diethylphthalate
Concen: 74.545 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:149 Resp: 880038

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.0	27.0
150	12.7	10.0	15.0



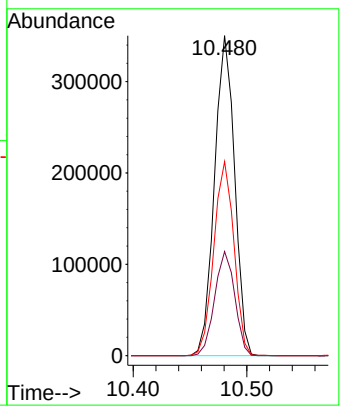


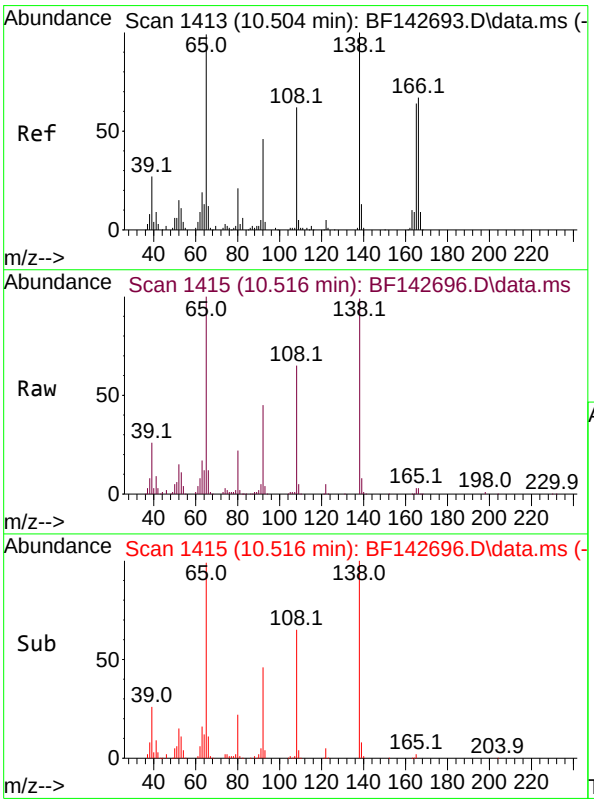
#61
4-Chlorophenyl-phenylether
Concen: 74.225 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 429622

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	60.6	48.9	73.3

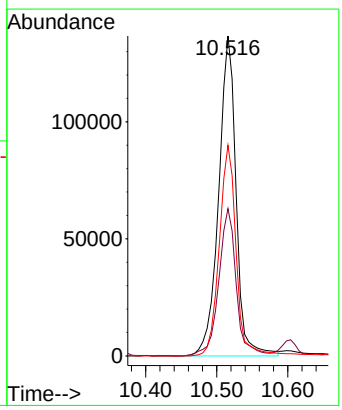


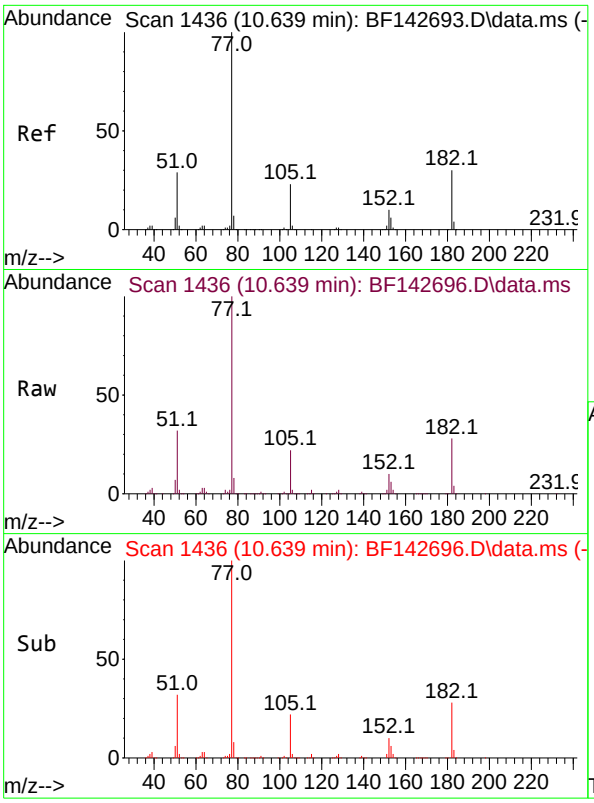


#62
4-Nitroaniline
Concen: 83.515 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:138 Resp: 234169

Ion	Ratio	Lower	Upper
138	100		
92	46.0	25.8	65.8
108	65.8	42.3	82.3



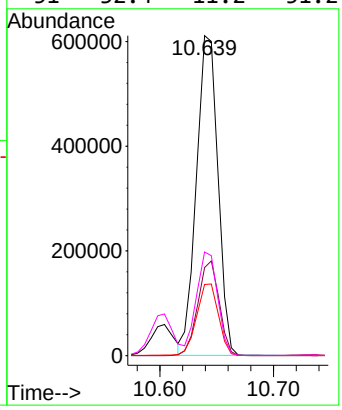


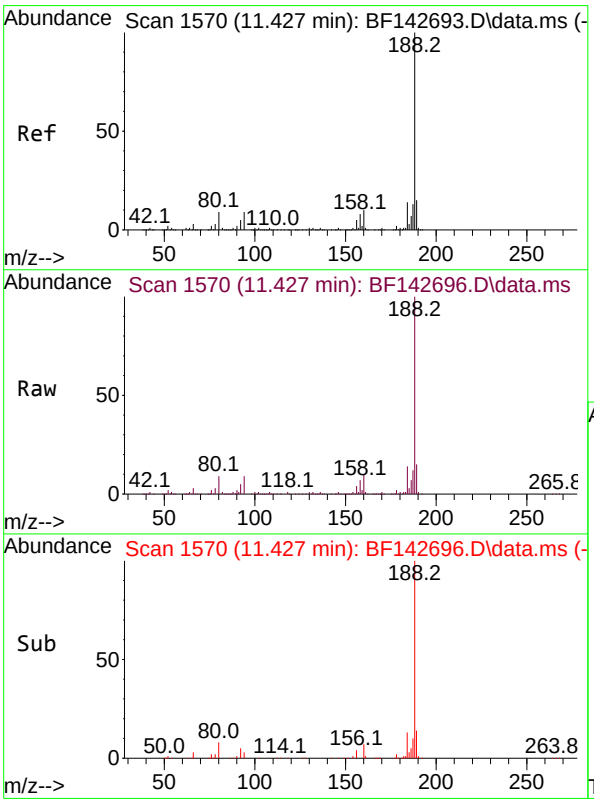
#63
Azobenzene
Concen: 76.322 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 807113

Ion	Ratio	Lower	Upper
77	100		
182	27.5	9.5	49.5
105	22.2	2.3	42.3
51	32.4	11.2	51.2

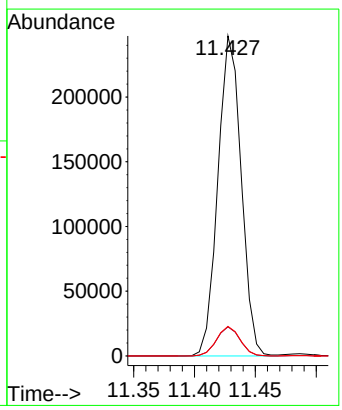


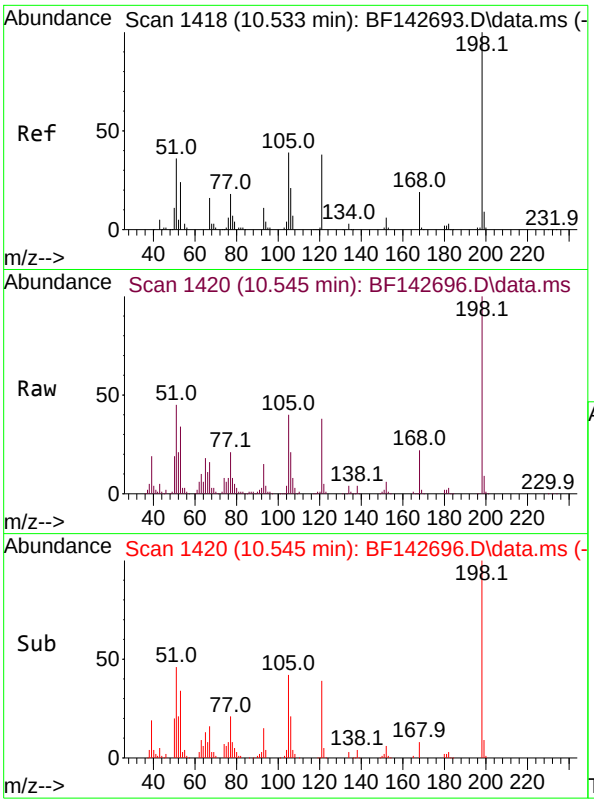


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:188 Resp: 328910

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.0	10.4
80	9.2	7.2	10.8



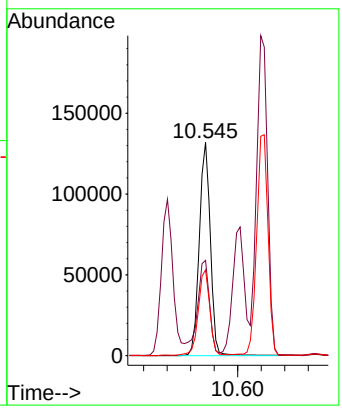


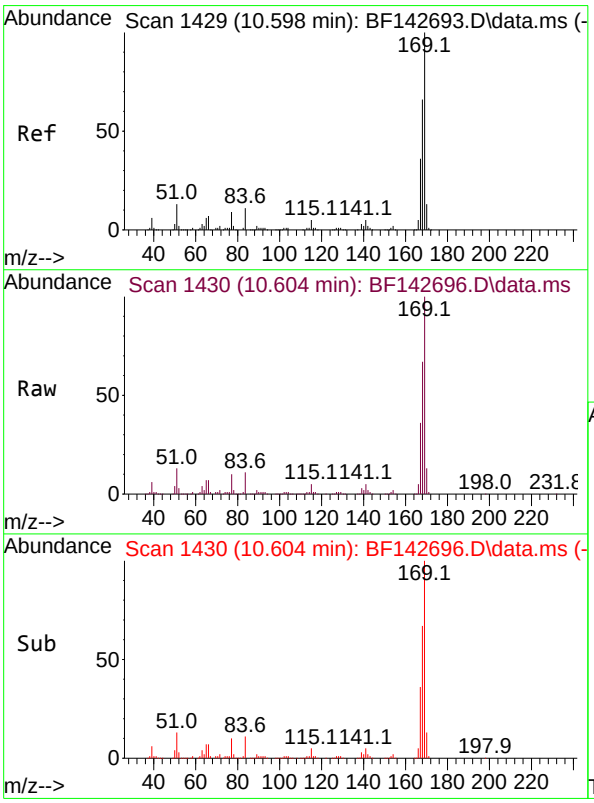
#65
4,6-Dinitro-2-methylphenol
Concen: 81.919 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 171849

Ion	Ratio	Lower	Upper
198	100		
51	44.7	25.9	65.9
105	40.2	20.0	60.0

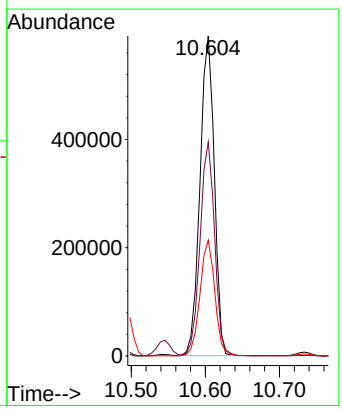


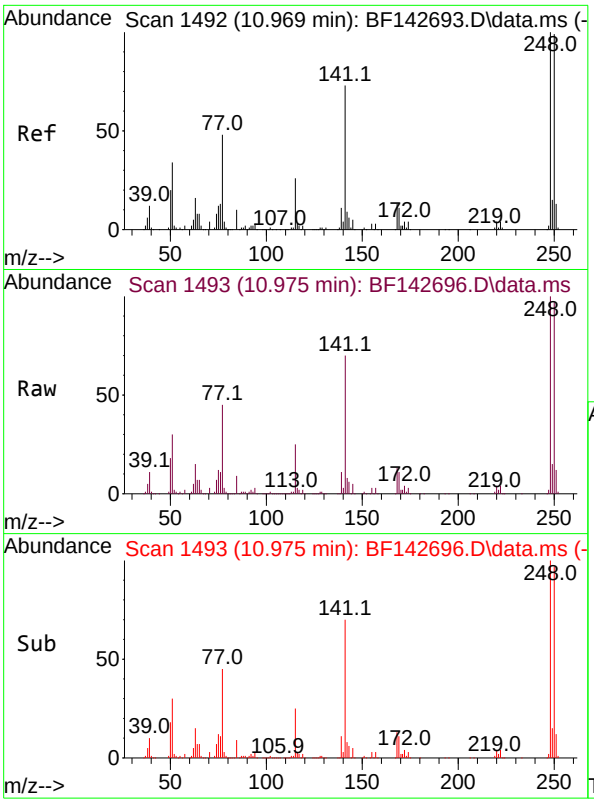


#66
n-Nitrosodiphenylamine
Concen: 74.731 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:169 Resp: 793611

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.1	79.7
167	36.2	28.4	42.6



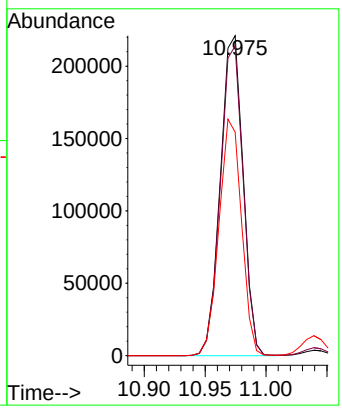


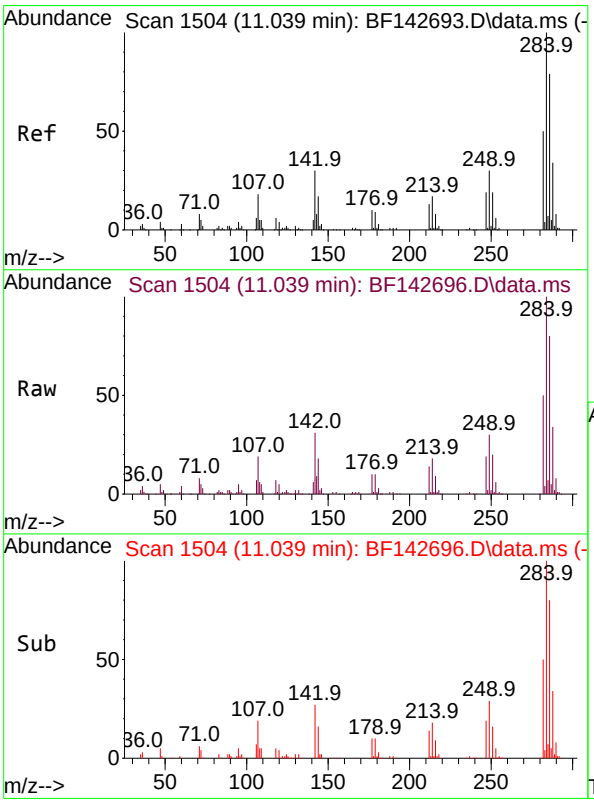
#67
4-Bromophenyl-phenylether
Concen: 79.290 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 288254

Ion	Ratio	Lower	Upper
248	100		
250	96.8	79.1	118.7
141	69.8	58.5	87.7

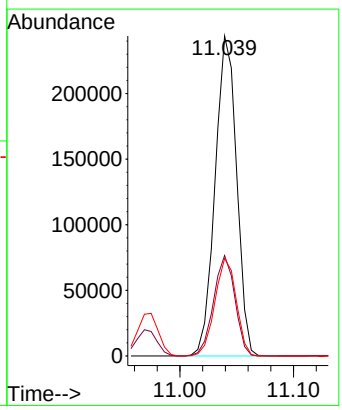


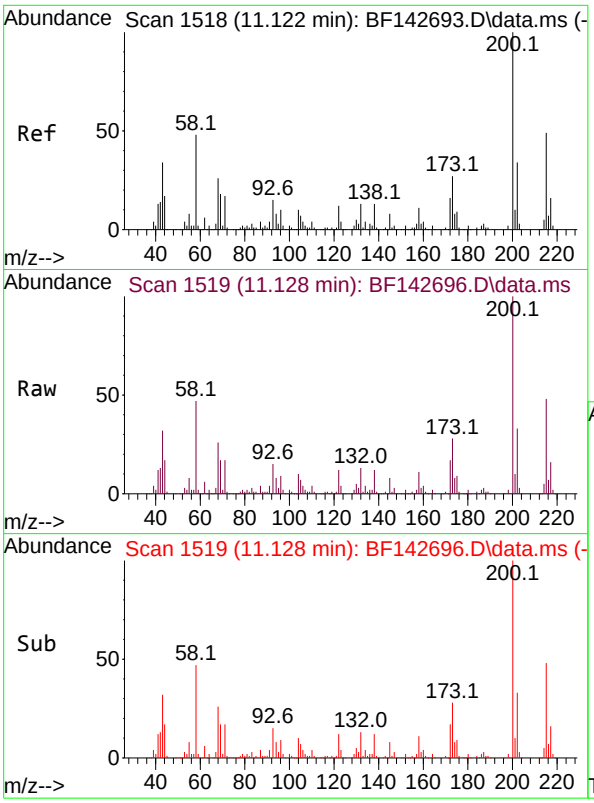


#68
Hexachlorobenzene
Concen: 76.846 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:284 Resp: 321012

Ion	Ratio	Lower	Upper
284	100		
142	31.4	23.6	35.4
249	30.4	23.8	35.8



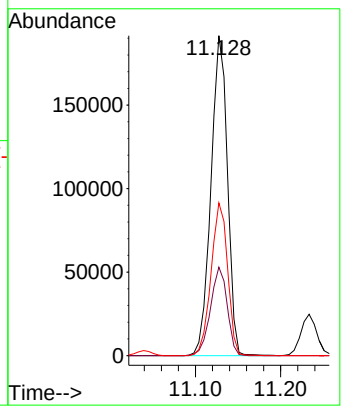


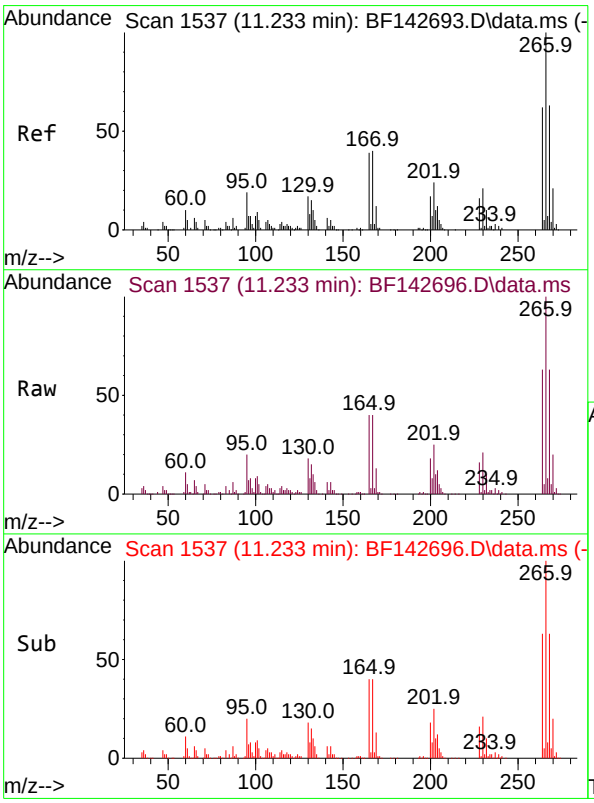
#69
Atrazine
Concen: 79.895 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 257299

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.4	47.4
215	47.7	28.9	68.9

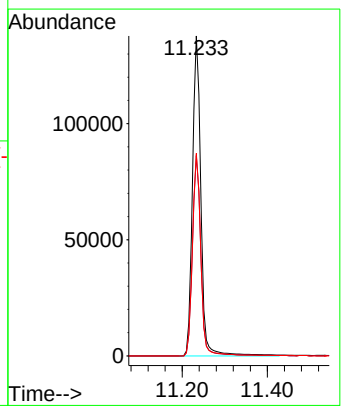


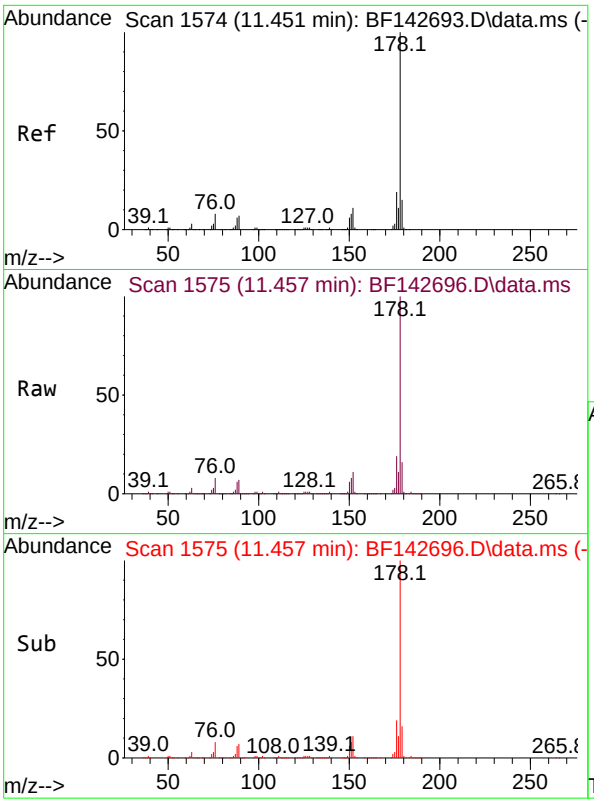


#70
Pentachlorophenol
Concen: 82.548 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:266 Resp: 189634

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.8	76.2
264	63.3	49.7	74.5



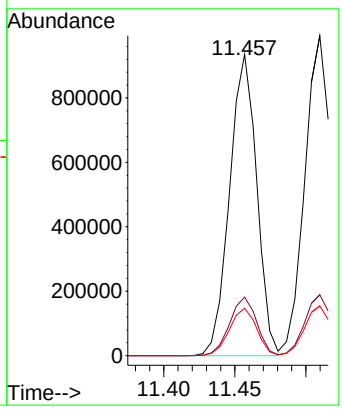


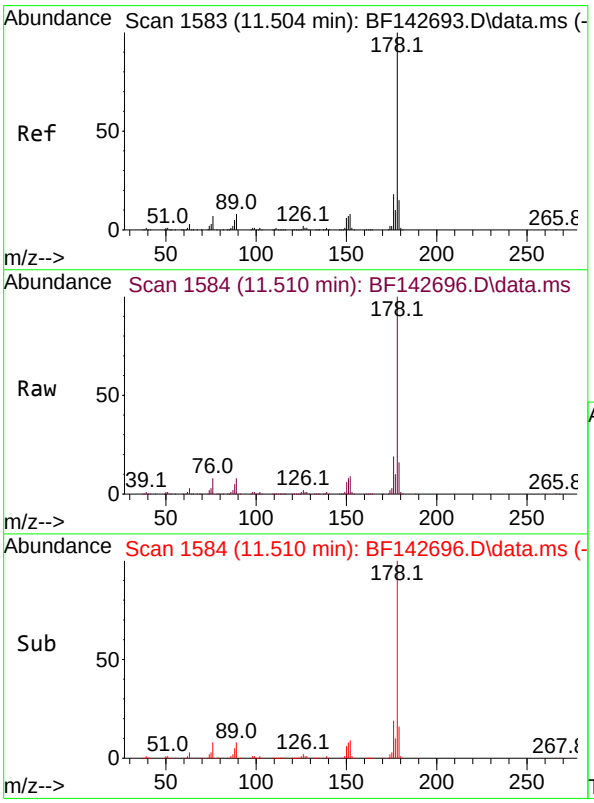
#71
Phenanthrene
Concen: 70.643 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1242142

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.7	12.4	18.6

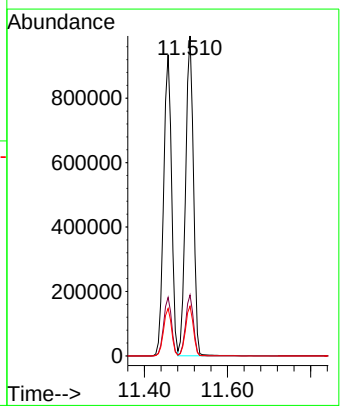


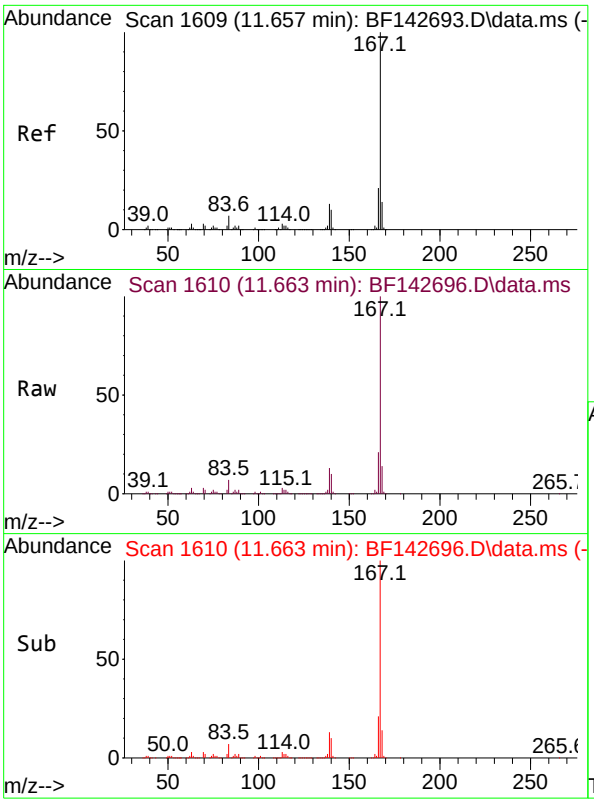


#72
Anthracene
Concen: 71.431 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:178 Resp: 1303436

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.5	12.2	18.2



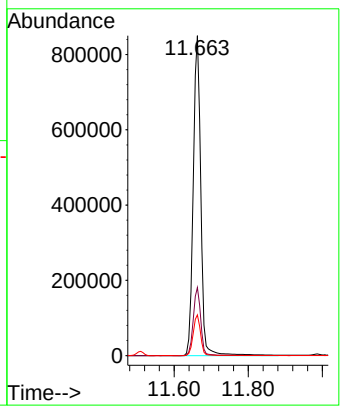


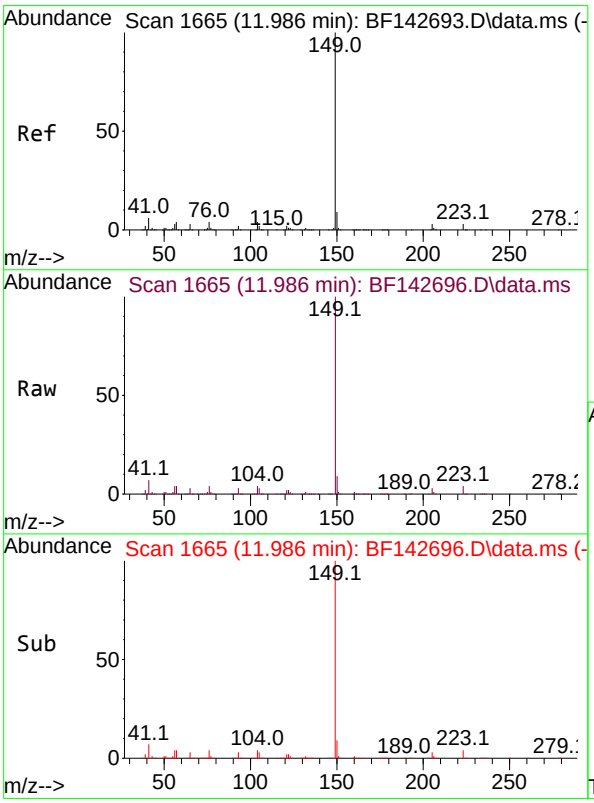
#73
Carbazole
Concen: 73.269 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1203916

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	12.7	10.1	15.1

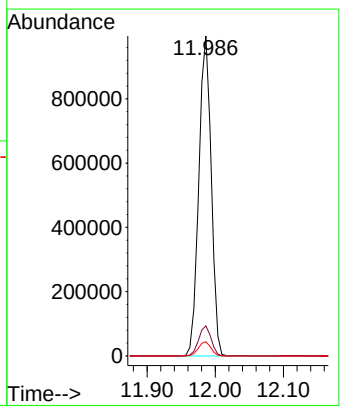


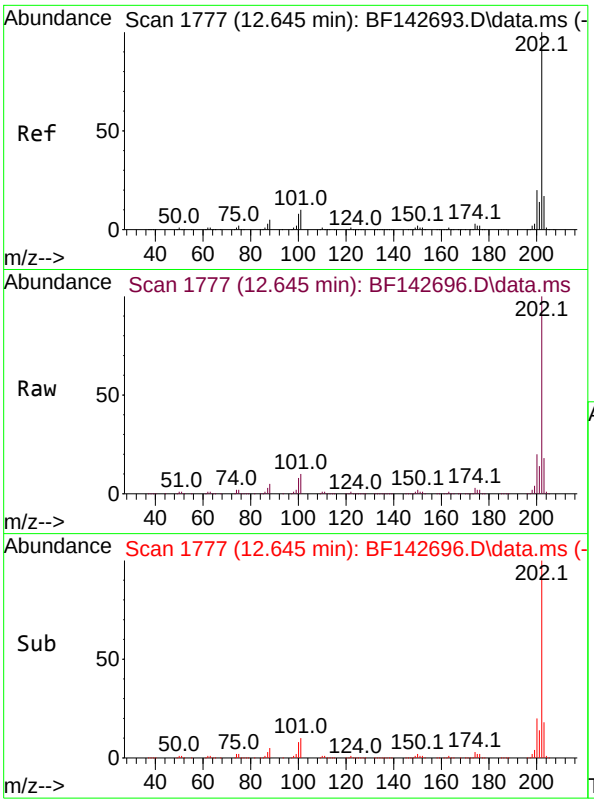


#74
Di-n-butylphthalate
Concen: 72.233 ng
RT: 11.986 min Scan# 1665
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:149 Resp: 1260010

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.4	3.3	4.9



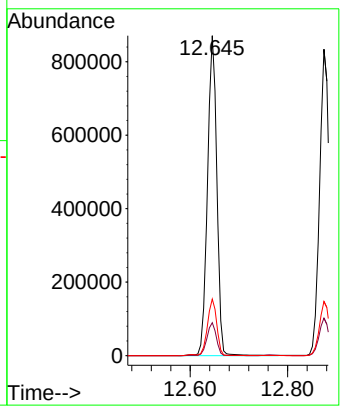


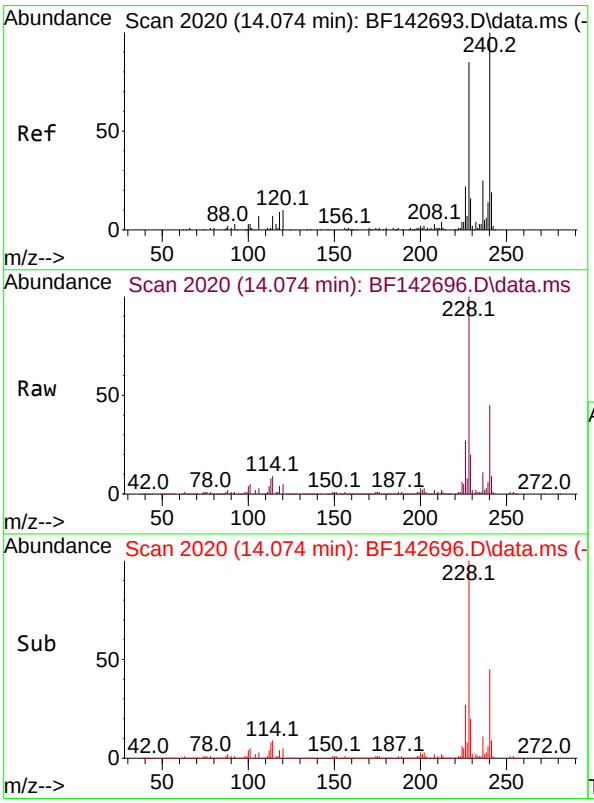
#75
Fluoranthene
Concen: 66.231 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1166816

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.7	0.0	37.3

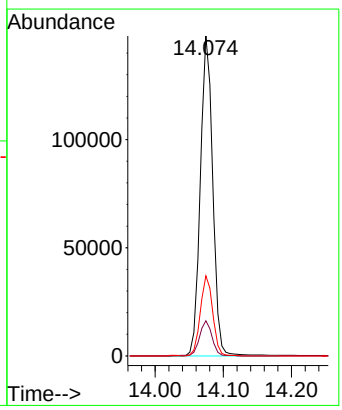


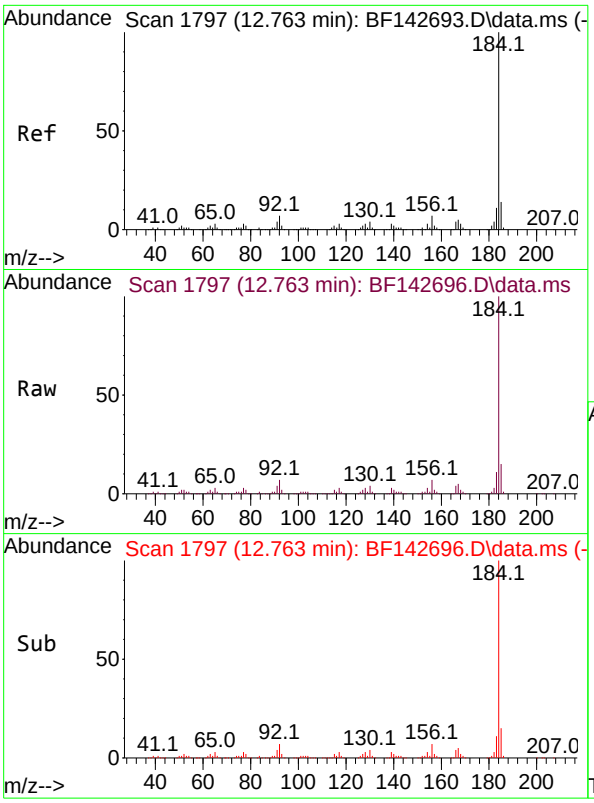


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:240 Resp: 187835

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	25.0	20.2	30.2



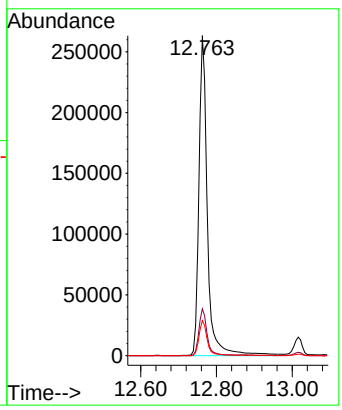


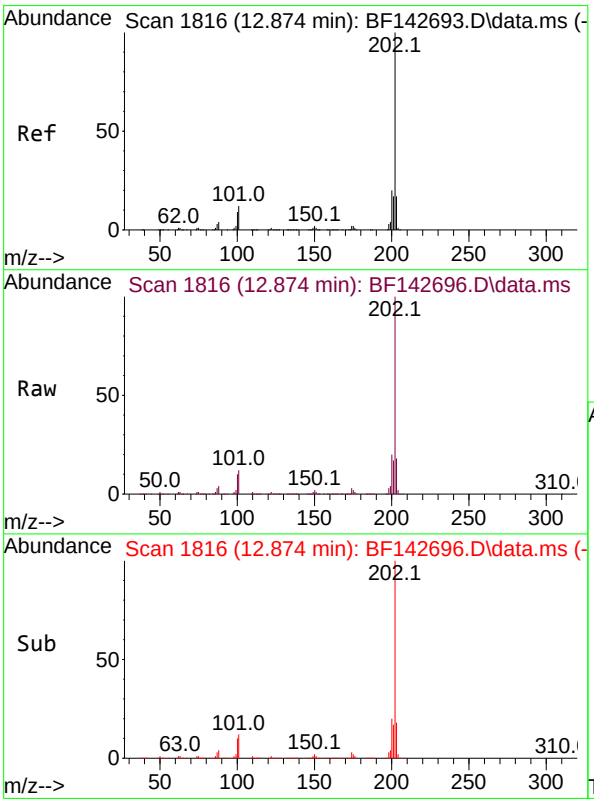
#77
Benzidine
Concen: 62.652 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 406155

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.6	17.4
183	10.9	8.9	13.3

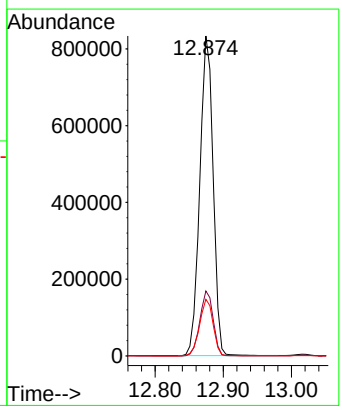


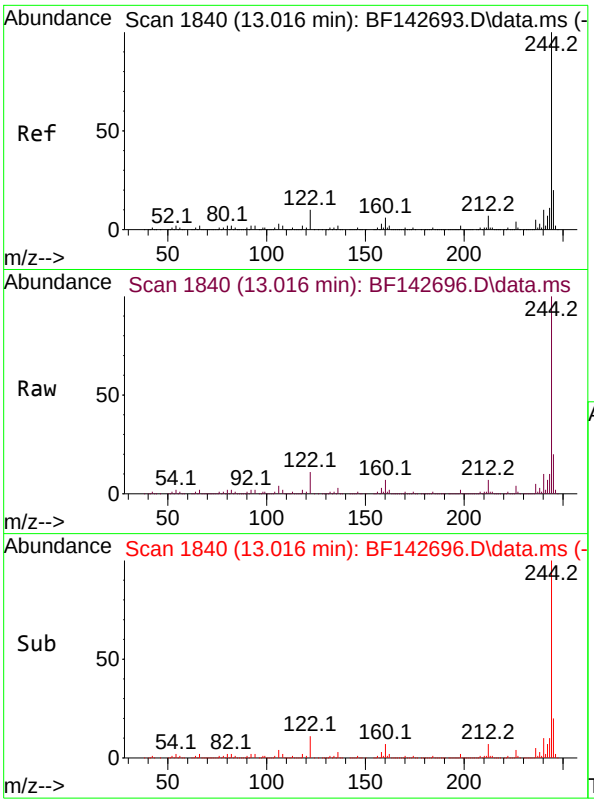


#78
Pyrene
Concen: 74.005 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:202 Resp: 1132693

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	17.7	13.9	20.9



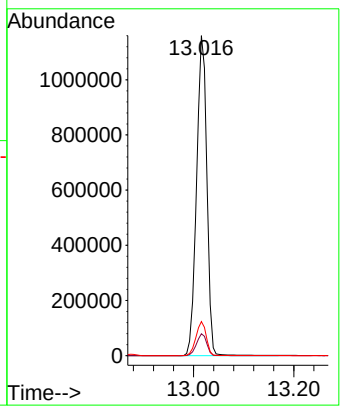


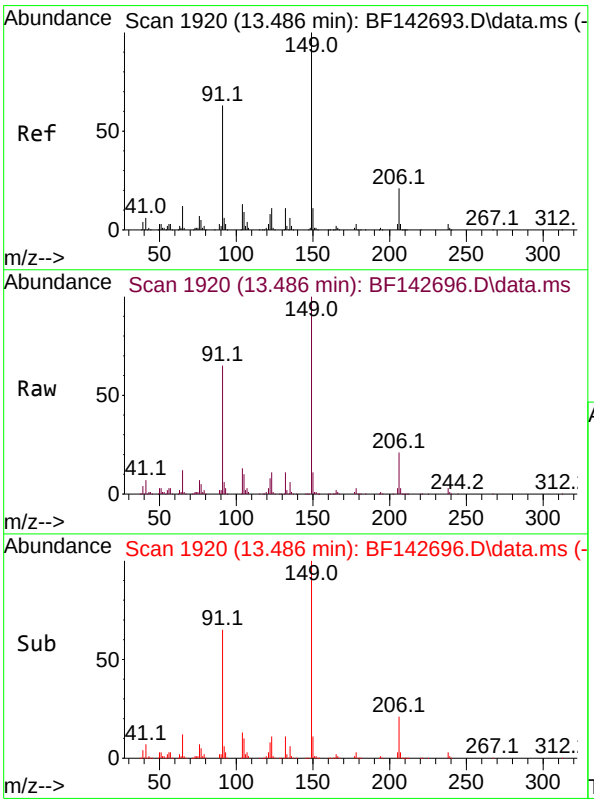
#79
Terphenyl-d14
Concen: 138.868 ng
RT: 13.016 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1649318

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.6	8.2	12.2

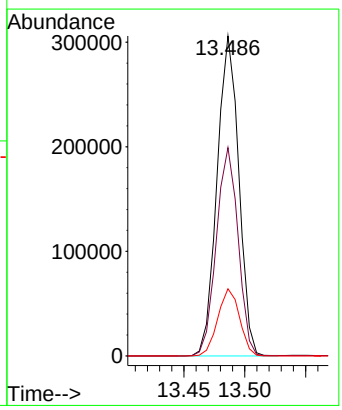


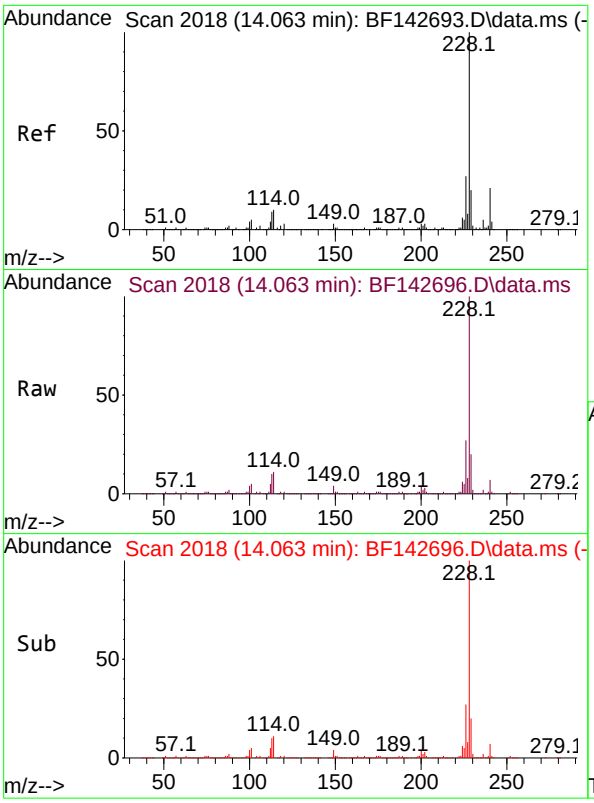


#80
Butylbenzylphthalate
Concen: 80.673 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:149 Resp: 380245

Ion	Ratio	Lower	Upper
149	100		
91	65.1	50.5	75.7
206	21.0	16.9	25.3



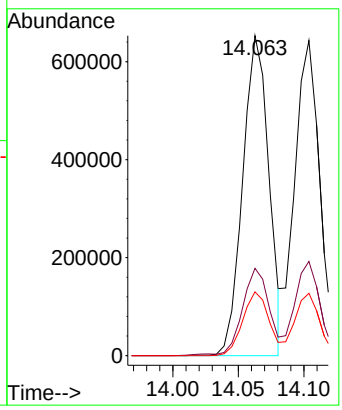


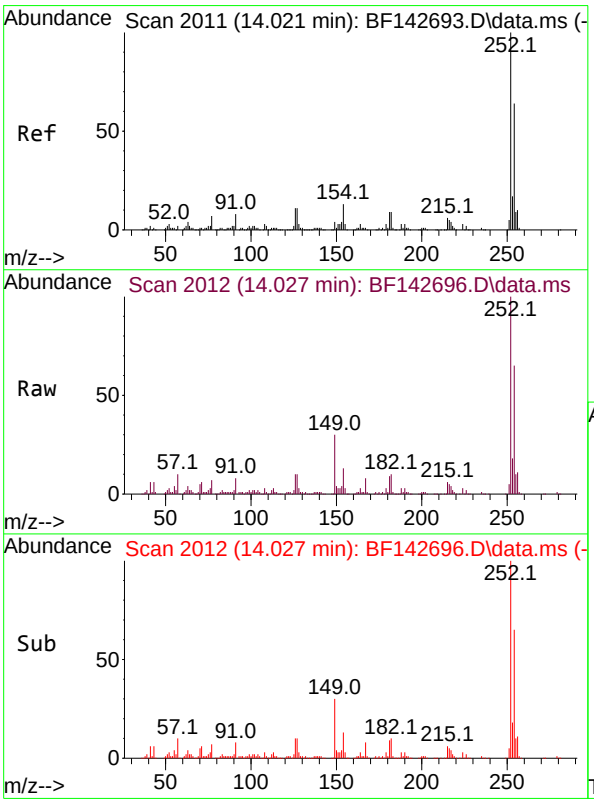
#81
Benzo(a)anthracene
Concen: 74.294 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 905666

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.8	23.6

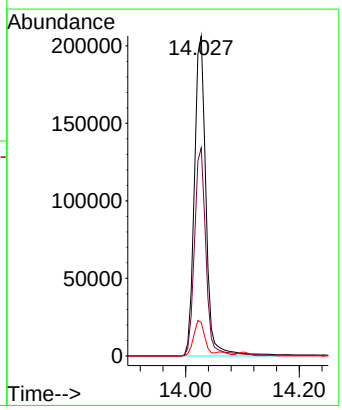


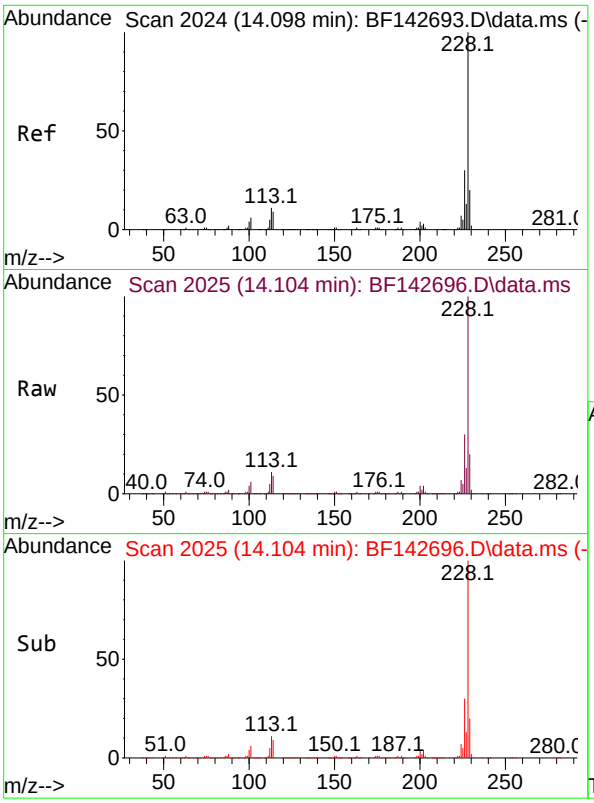


#82
3,3'-Dichlorobenzidine
Concen: 74.632 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:252 Resp: 290817

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.4	77.2
126	10.5	9.1	13.7



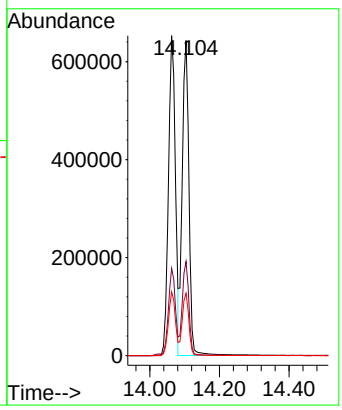


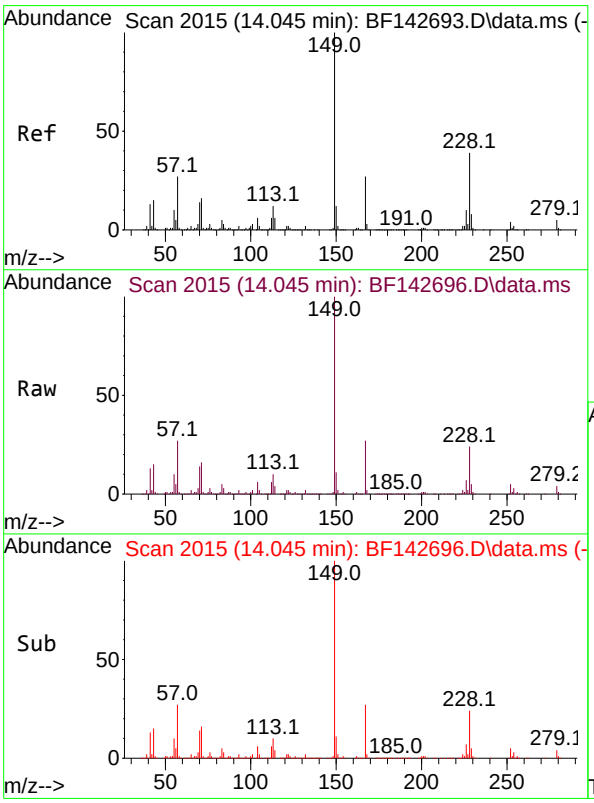
#83
Chrysene
Concen: 75.618 ng
RT: 14.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 873122

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.8	15.8	23.6

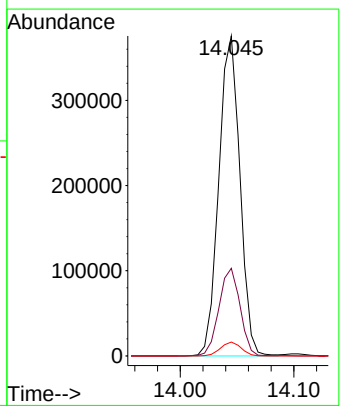


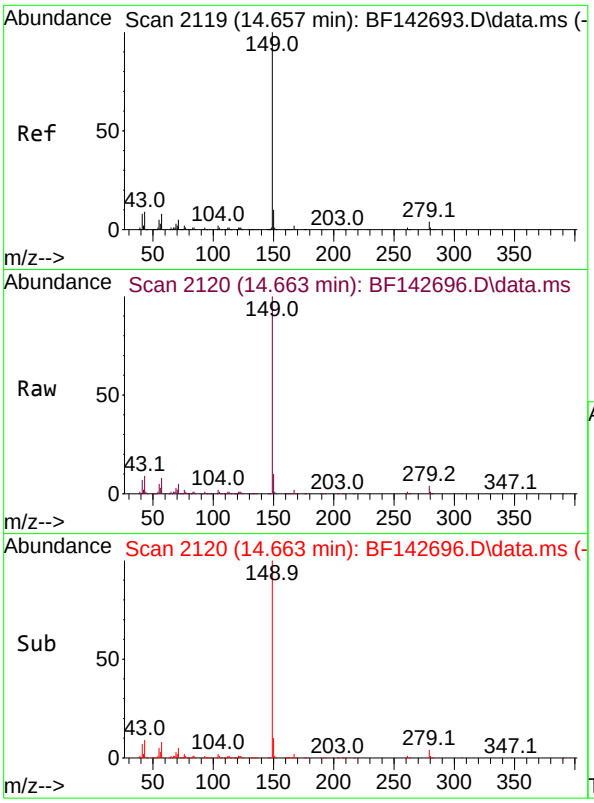


#84
Bis(2-ethylhexyl)phthalate
Concen: 90.003 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:149 Resp: 484341

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.3	3.6	5.4



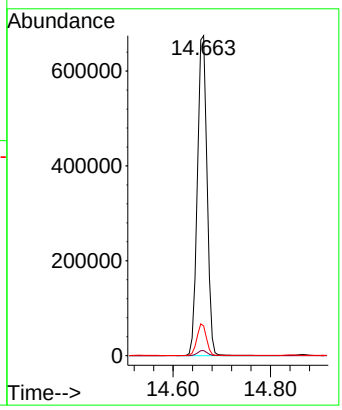


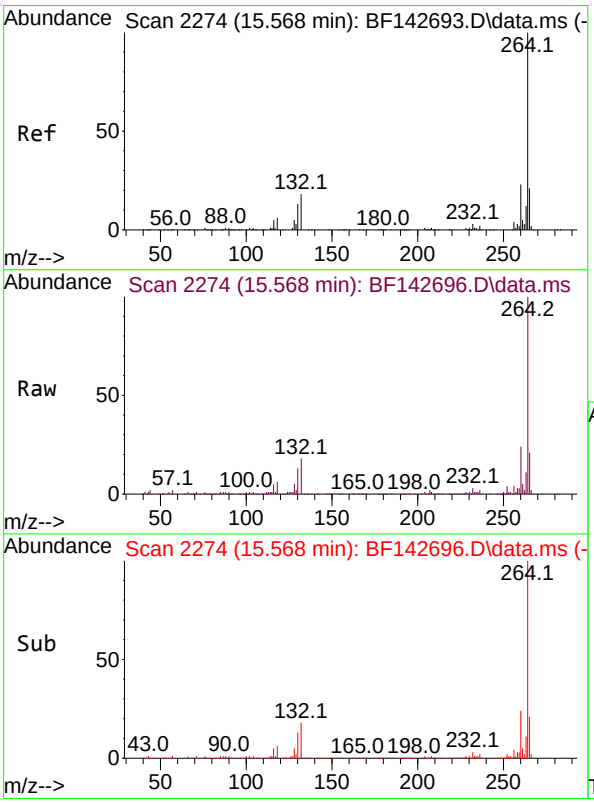
#85
Di-n-octyl phthalate
Concen: 88.217 ng
RT: 14.663 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 923302

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.7	7.5	11.3

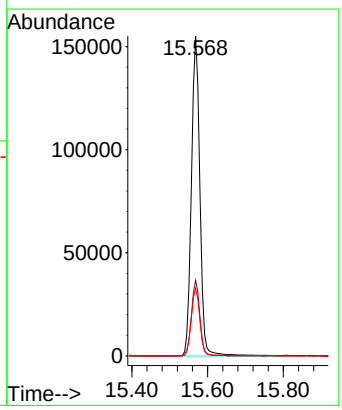


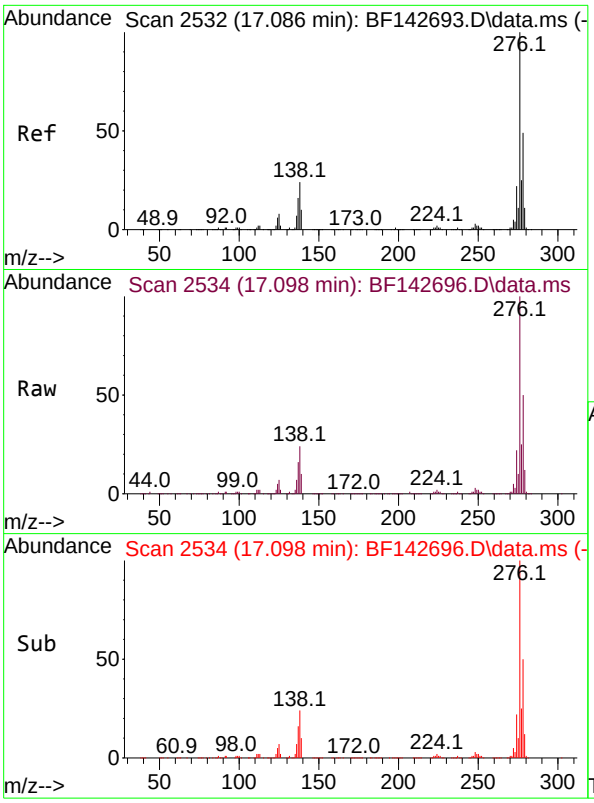


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:264 Resp: 240558

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.2	17.0	25.4



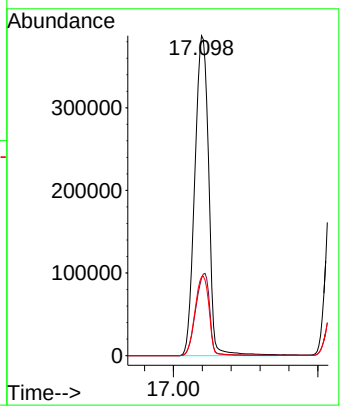


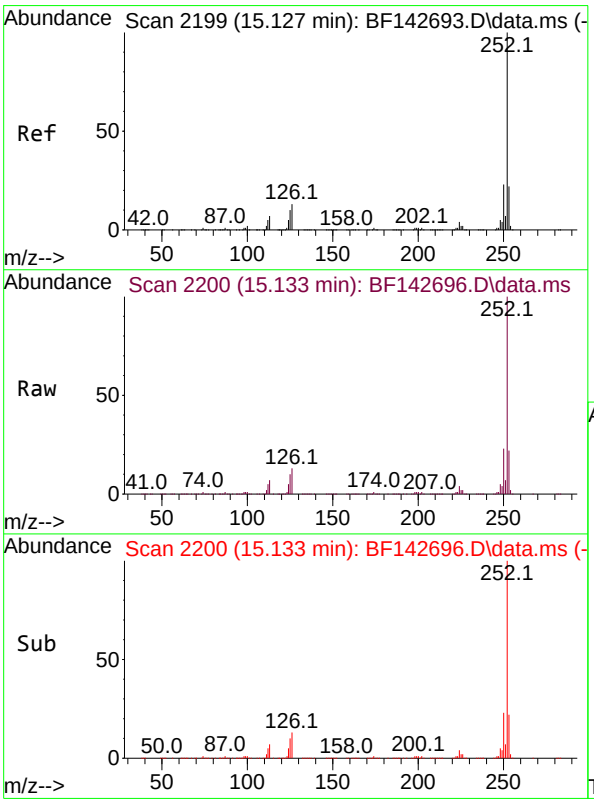
#87
Indeno(1,2,3-cd)pyrene
Concen: 75.784 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1289552

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.8	31.2
277	25.1	20.2	30.2

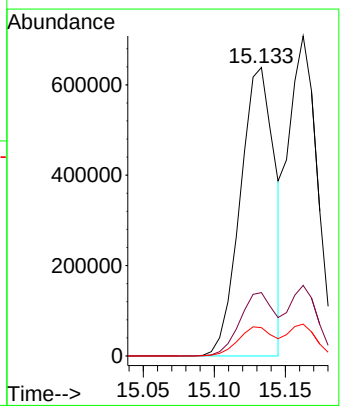


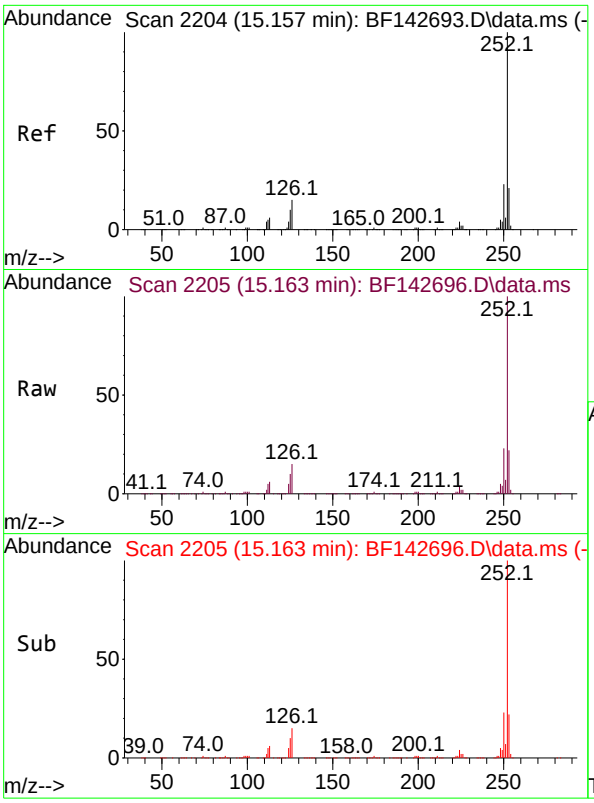


#88
Benzo(b)fluoranthene
Concen: 74.633 ng
RT: 15.133 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:252 Resp: 1072627

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.8	7.8	11.8



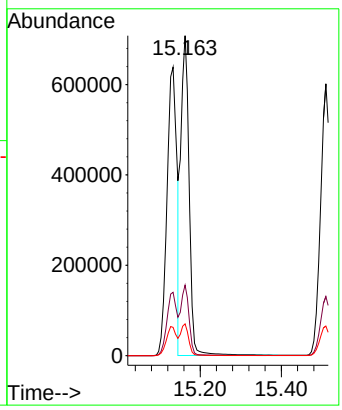


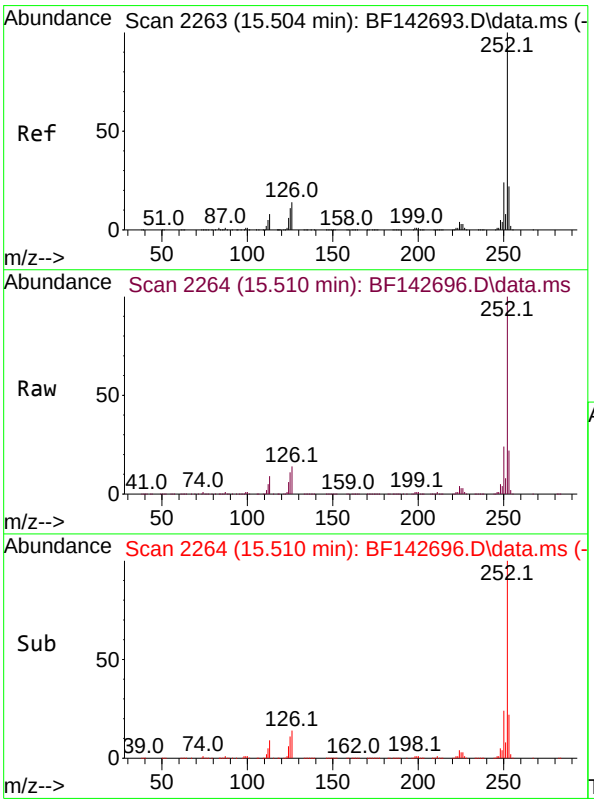
#89
Benzo(k)fluoranthene
Concen: 75.211 ng
RT: 15.163 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1017171

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.0	7.7	11.5

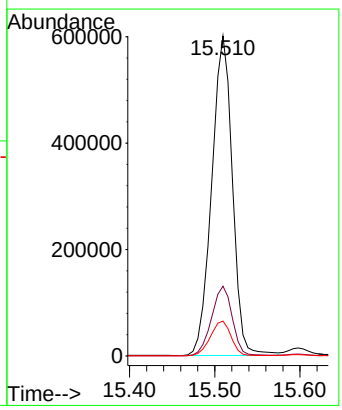


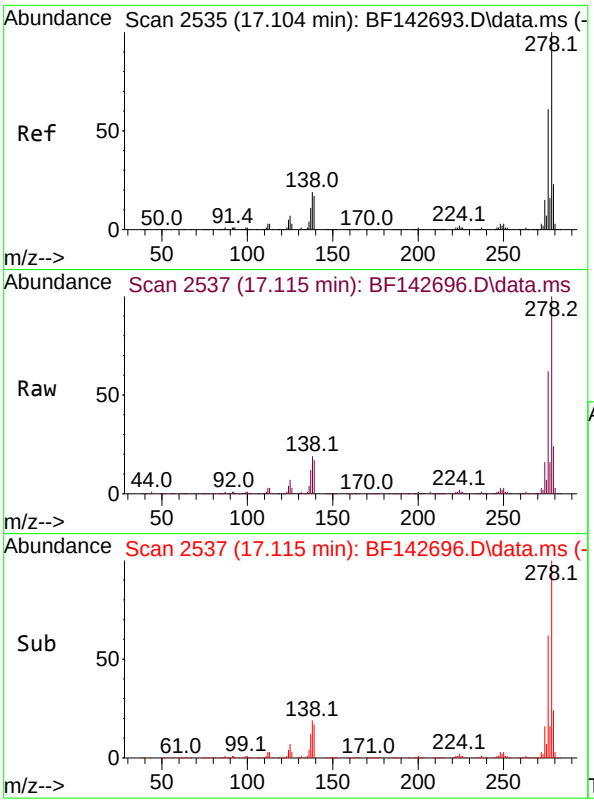


#90
Benzo(a)pyrene
Concen: 75.243 ng
RT: 15.510 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:252 Resp: 1013345

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.9	8.8	13.2



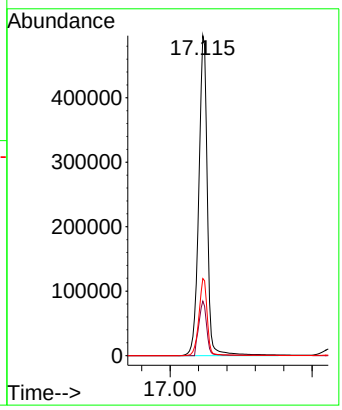


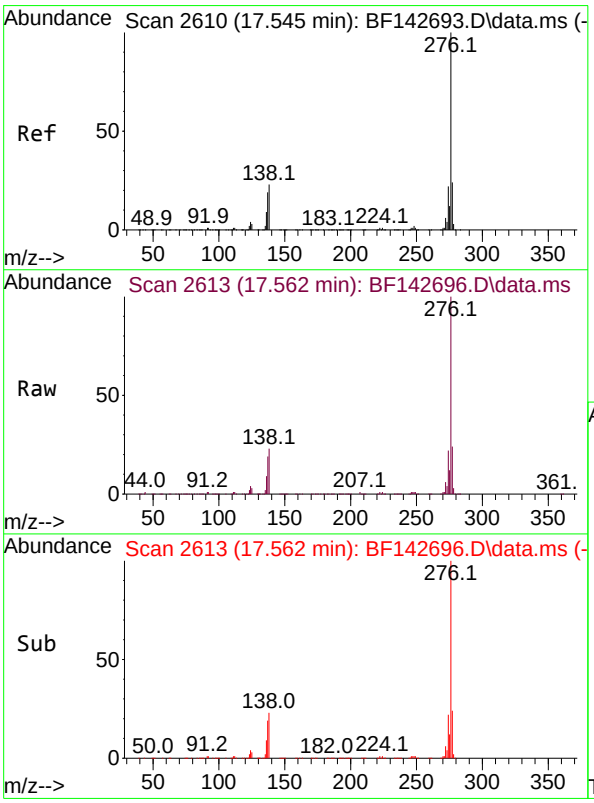
#91
Dibenzo(a,h)anthracene
Concen: 75.555 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1034959

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.4	20.0
279	24.1	18.7	28.1

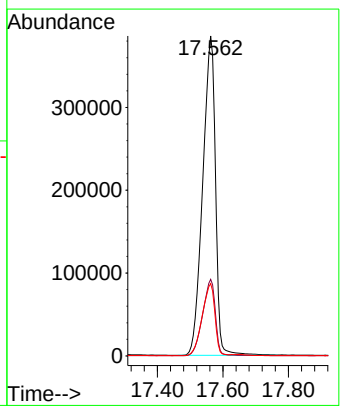




#92
Benzo(g,h,i)perylene
Concen: 73.297 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.018 min
Lab File: BF142696.D
Acq: 09 Jun 2025 16:32

Tgt Ion:276 Resp: 1039684

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	22.6	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	84299	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	319266	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	194584	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	385810	20.000	ng	0.00
76) Chrysene-d12	14.069	240	221007	20.000	ng	0.00
86) Perylene-d12	15.563	264	176509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	395149	79.591	ng	0.00
7) Phenol-d6	6.522	99	465383	79.932	ng	0.00
23) Nitrobenzene-d5	7.463	82	456568	78.591	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	192045	87.845	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1012025	71.127	ng	0.00
79) Terphenyl-d14	13.010	244	1177445	84.258	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	79990	42.075	ng	99
3) Pyridine	3.446	79	203629	41.529	ng	100
4) n-Nitrosodimethylamine	3.405	42	99035	41.498	ng	98
6) Aniline	6.557	93	314253	40.202	ng	99
8) 2-Chlorophenol	6.681	128	213711	39.454	ng	98
9) Benzaldehyde	6.446	77	137872	42.005	ng	99
10) Phenol	6.540	94	263664	40.441	ng	97
11) bis(2-Chloroethyl)ether	6.628	93	184610	38.868	ng	100
12) 1,3-Dichlorobenzene	6.834	146	237367	39.129	ng	100
13) 1,4-Dichlorobenzene	6.910	146	242456	39.089	ng	98
14) 1,2-Dichlorobenzene	7.063	146	230922	39.046	ng	98
15) Benzyl Alcohol	7.034	79	170205	39.965	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	292640	37.837	ng	99
17) 2-Methylphenol	7.146	107	164693	39.651	ng	98
18) Hexachloroethane	7.410	117	86059	40.386	ng	98
19) n-Nitroso-di-n-propyla...	7.310	70	136020	39.854	ng	99
20) 3+4-Methylphenols	7.298	107	203265	39.736	ng	98
22) Acetophenone	7.304	105	270439	38.750	ng	100
24) Nitrobenzene	7.481	77	205623	39.247	ng	98
25) Isophorone	7.716	82	366928	38.930	ng	100
26) 2-Nitrophenol	7.793	139	116979	40.477	ng	96
27) 2,4-Dimethylphenol	7.828	122	194119	39.523	ng	98
28) bis(2-Chloroethoxy)met...	7.928	93	227954	38.561	ng	99
29) 2,4-Dichlorophenol	8.040	162	178767	39.730	ng	98
30) 1,2,4-Trichlorobenzene	8.122	180	194821	39.694	ng	99
31) Naphthalene	8.204	128	616558	39.190	ng	100
32) Benzoic acid	7.940	122	115551	38.754	ng	99
33) 4-Chloroaniline	8.251	127	255687	39.531	ng	99
34) Hexachlorobutadiene	8.316	225	119427	39.509	ng	98
35) Caprolactam	8.622	113	54368	39.339	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	186512	40.185	ng	99
37) 2-Methylnaphthalene	8.892	142	395696	39.972	ng	100
38) 1-Methylnaphthalene	8.992	142	410403	40.035	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	202480	36.007	ng	99
41) Hexachlorocyclopentadiene	9.045	237	125104	37.884	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	136237	36.923	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

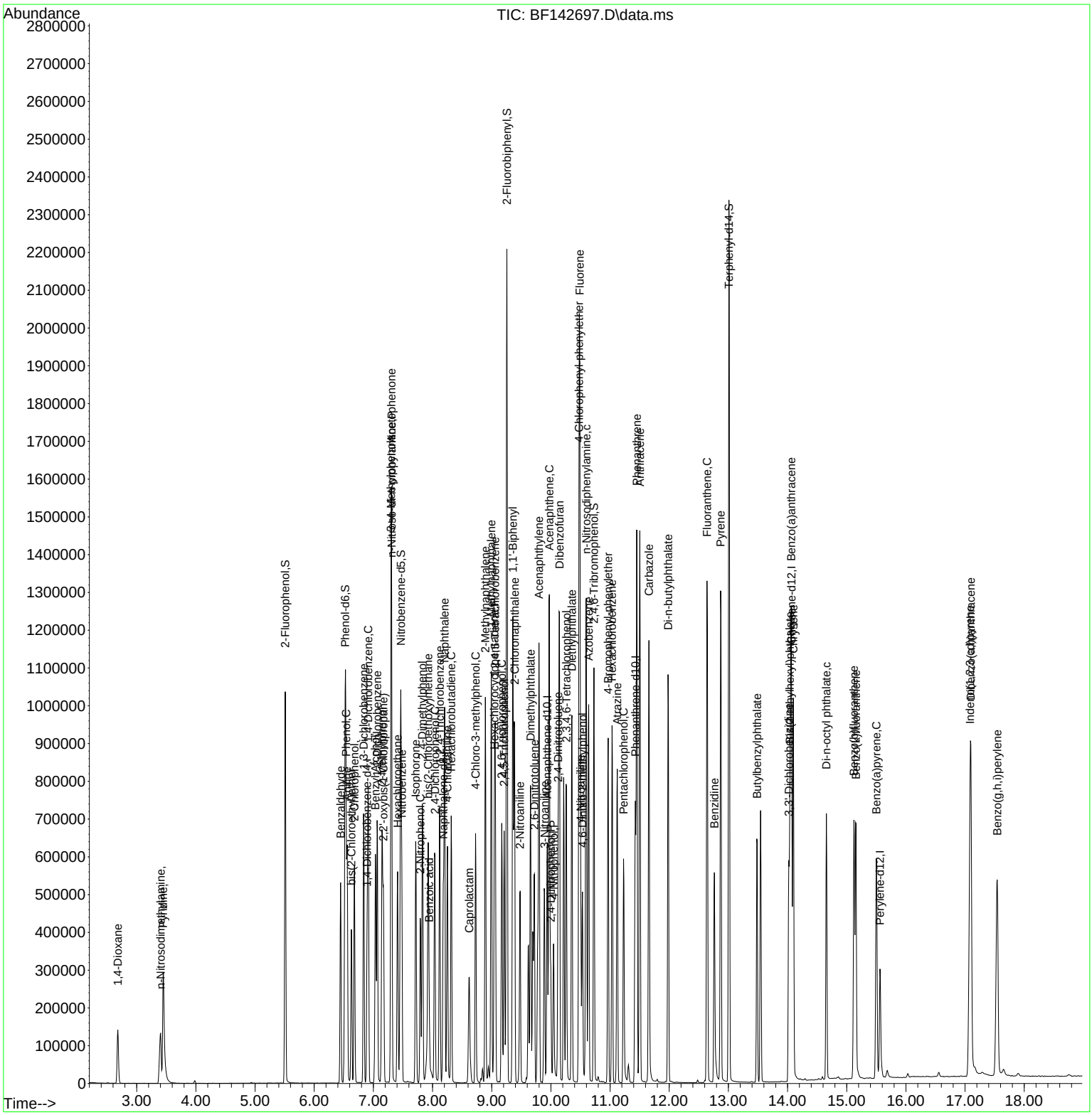
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	139977	35.518	ng	99
46) 1,1'-Biphenyl	9.357	154	544487	35.985	ng	100
47) 2-Chloronaphthalene	9.387	162	411042	36.257	ng	99
48) 2-Nitroaniline	9.475	65	124520	36.910	ng	95
49) Acenaphthylene	9.798	152	722161	38.434	ng	100
50) Dimethylphthalate	9.657	163	475263	36.302	ng	100
51) 2,6-Dinitrotoluene	9.722	165	107757	38.049	ng	99
52) Acenaphthene	9.975	154	461682	40.166	ng	99
53) 3-Nitroaniline	9.892	138	125514	39.443	ng	99
54) 2,4-Dinitrophenol	9.998	184	66147	42.186	ng	99
55) Dibenzofuran	10.145	168	731172	44.341	ng	99
56) 4-Nitrophenol	10.045	139	94338	43.130	ng	96
57) 2,4-Dinitrotoluene	10.122	165	171158	45.087	ng	99
58) Fluorene	10.486	166	568156	43.107	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	152908	46.107	ng	100
60) Diethylphthalate	10.357	149	547465	43.074	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	272933	43.799	ng	99
62) 4-Nitroaniline	10.504	138	135800	44.986	ng	99
63) Azobenzene	10.639	77	497629	43.709	ng	99
65) 4,6-Dinitro-2-methylph...	10.534	198	98873	40.181	ng	99
66) n-Nitrosodiphenylamine	10.598	169	495379	39.768	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	168258	39.457	ng	99
68) Hexachlorobenzene	11.034	284	188424	38.454	ng	98
69) Atrazine	11.122	200	145590	38.540	ng	100
70) Pentachlorophenol	11.228	266	106526	39.532	ng	99
71) Phenanthrene	11.451	178	794668	38.529	ng	100
72) Anthracene	11.504	178	815309	38.091	ng	100
73) Carbazole	11.657	167	732650	38.013	ng	100
74) Di-n-butylphthalate	11.980	149	797398	38.971	ng	100
75) Fluoranthene	12.639	202	799546	38.690	ng	99
77) Benzidine	12.763	184	370858	48.621	ng	100
78) Pyrene	12.869	202	788543	43.787	ng	100
80) Butylbenzylphthalate	13.486	149	224998	40.571	ng	99
81) Benzo(a)anthracene	14.063	228	578210	40.313	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	182938	39.901	ng	99
83) Chrysene	14.098	228	503279	37.045	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	264417	41.760	ng	99
85) Di-n-octyl phthalate	14.657	149	485987	39.464	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	611767	48.998	ng	99
88) Benzo(b)fluoranthene	15.121	252	447796	42.464	ng	99
89) Benzo(k)fluoranthene	15.157	252	404568	40.769	ng	99
90) Benzo(a)pyrene	15.504	252	387327	39.196	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	500646	49.811	ng	99
92) Benzo(g,h,i)perylene	17.545	276	499240	47.968	ng	100

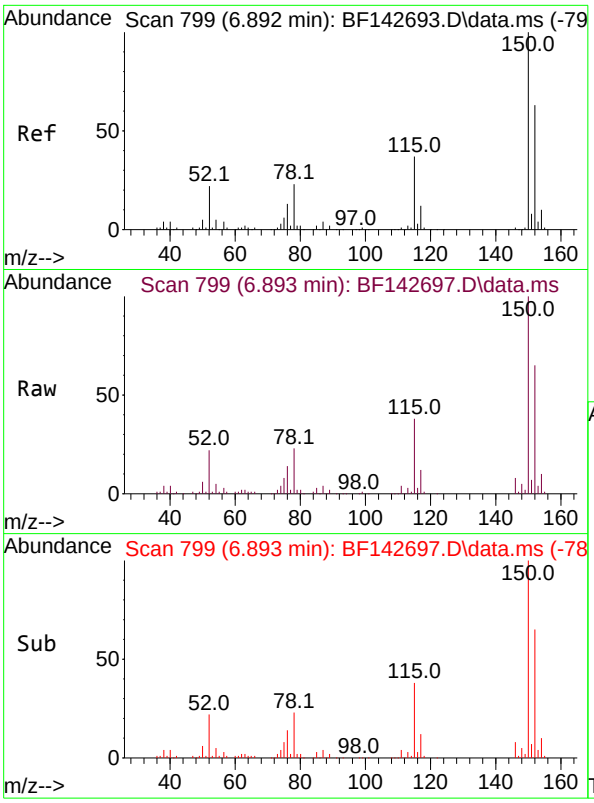
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



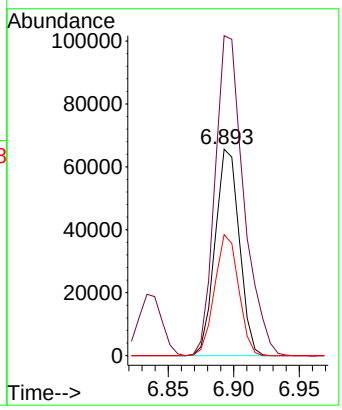


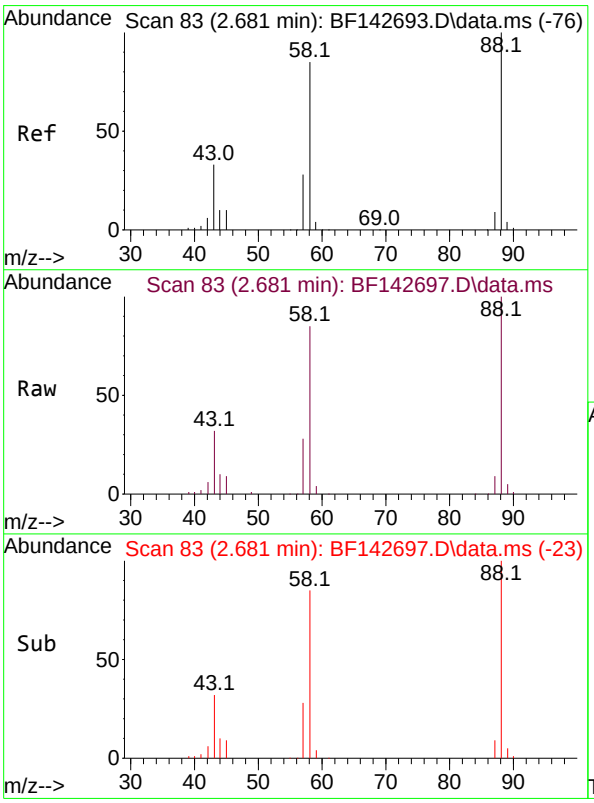
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:152 Resp: 84299

Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.8	190.2
115	58.6	46.8	70.2

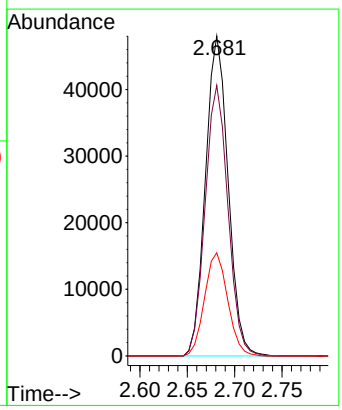


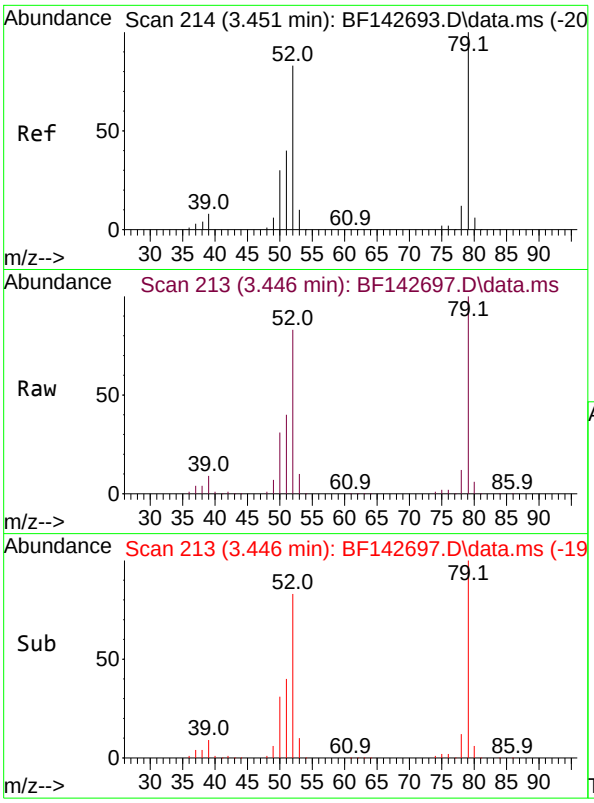


#2
1,4-Dioxane
Concen: 42.075 ng
RT: 2.681 min Scan# 83
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 88 Resp: 79990

Ion	Ratio	Lower	Upper
88	100		
58	85.1	69.2	103.8
43	32.9	26.3	39.5



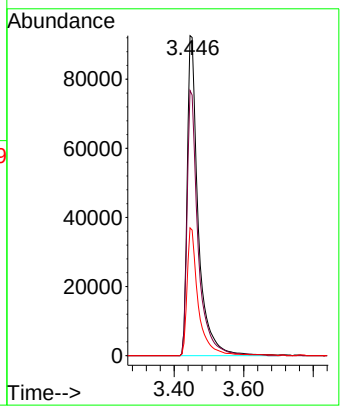


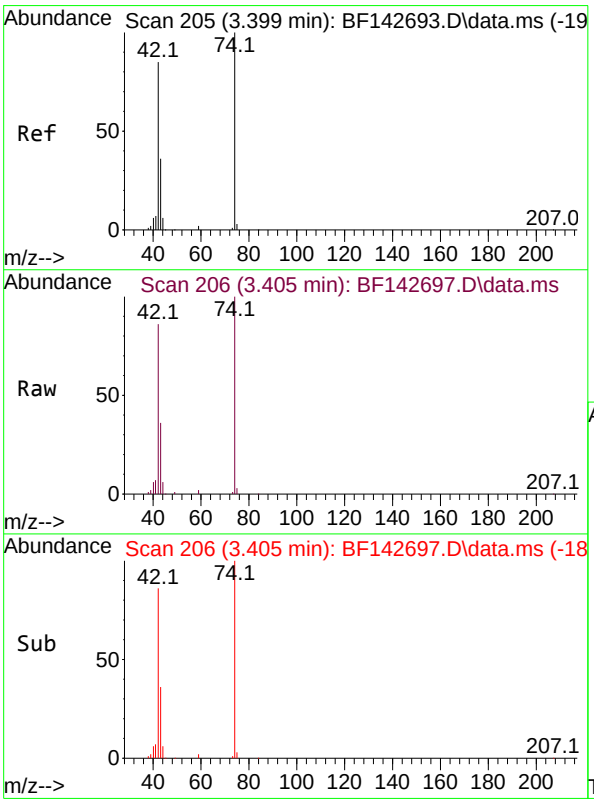
#3
Pyridine
Concen: 41.529 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 79 Resp: 203629

Ion	Ratio	Lower	Upper
79	100		
52	82.8	66.6	99.8
51	39.9	31.7	47.5

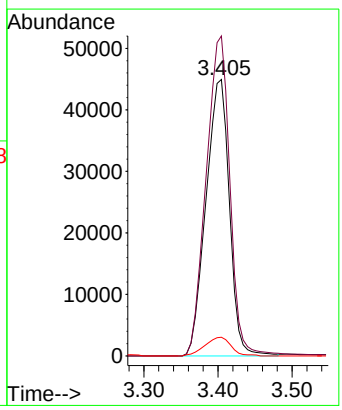


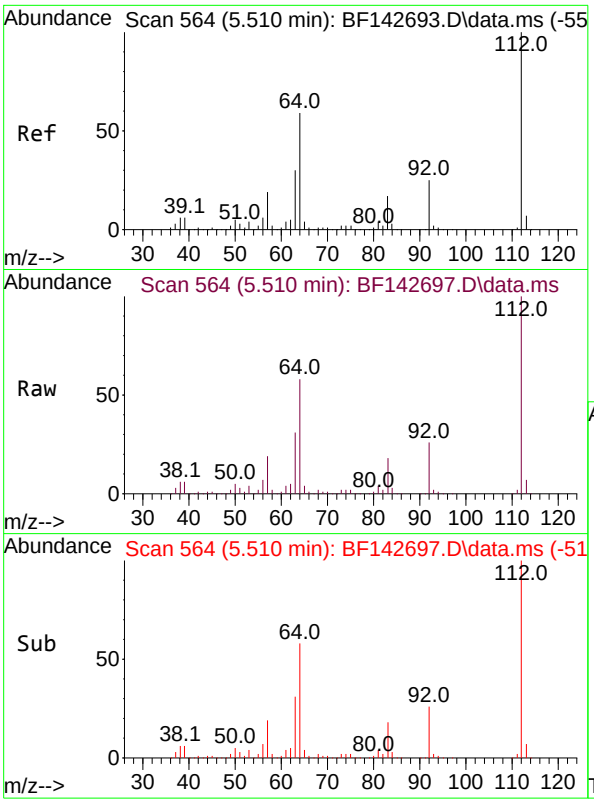


#4
n-Nitrosodimethylamine
Concen: 41.498 ng
RT: 3.405 min Scan# 206
Delta R.T. 0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 42 Resp: 99035

Ion	Ratio	Lower	Upper
42	100		
74	115.8	94.5	141.7
44	6.7	5.6	8.4



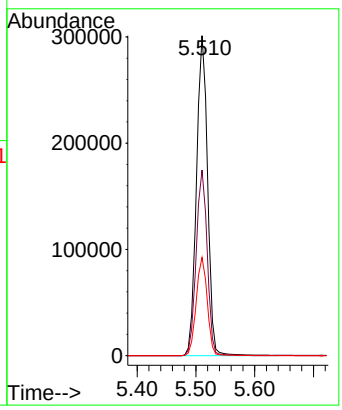


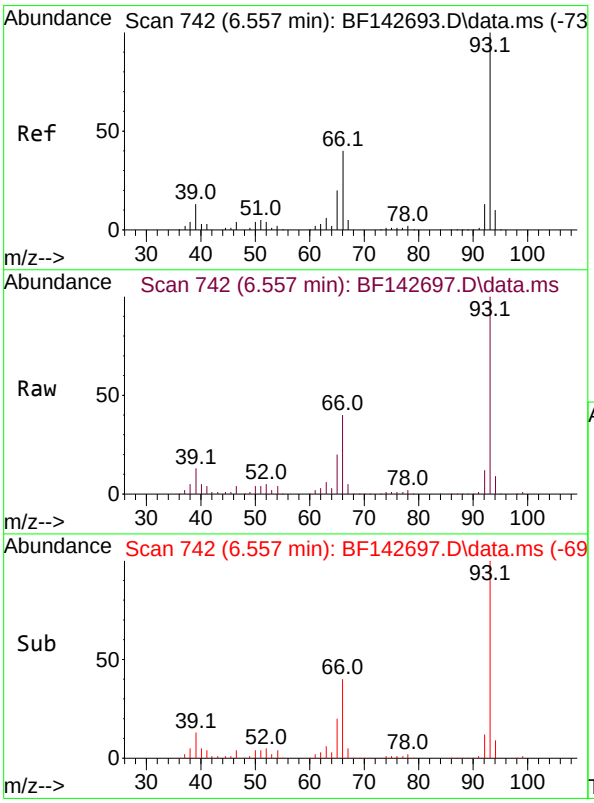
#5
2-Fluorophenol
Concen: 79.591 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:112 Resp: 395149

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.9	70.3
63	30.7	24.3	36.5

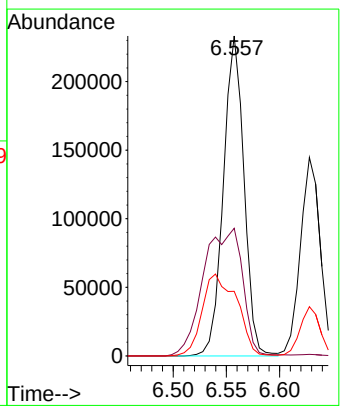


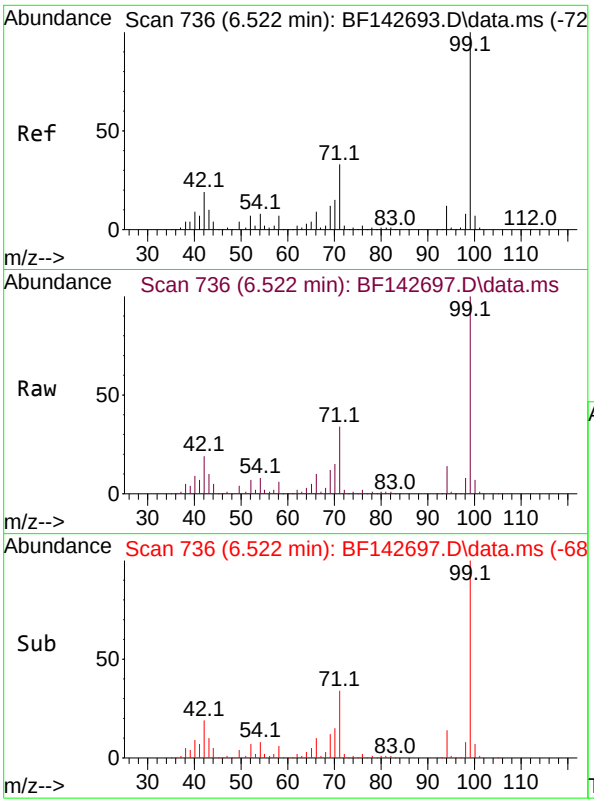


#6
Aniline
Concen: 40.202 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 93 Resp: 314253

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.8	49.2
65	20.2	16.4	24.6



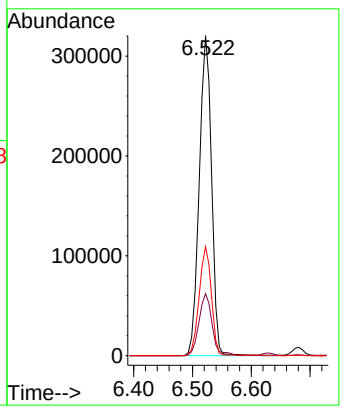


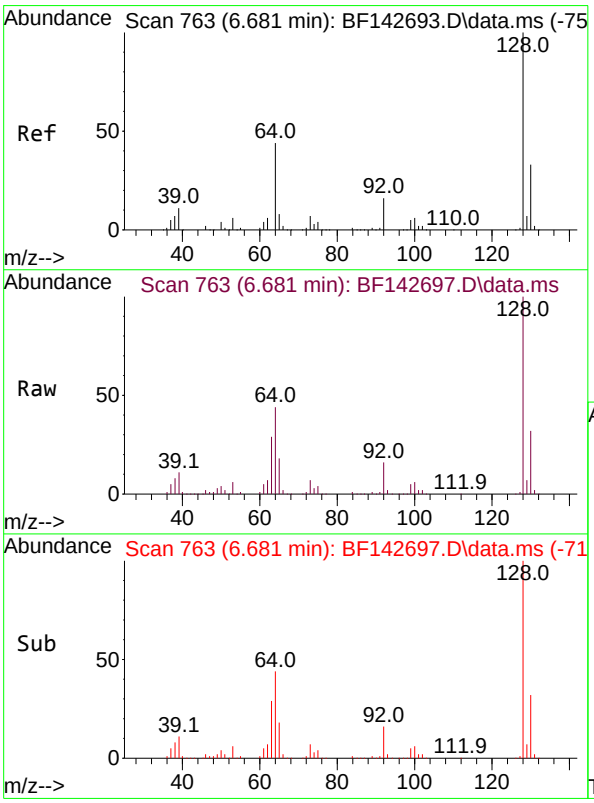
#7
Phenol-d6
Concen: 79.932 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 99 Resp: 465383

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.3	22.9
71	34.0	26.3	39.5

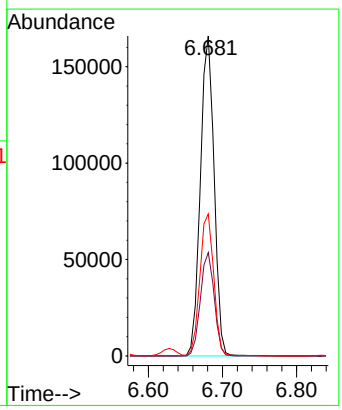


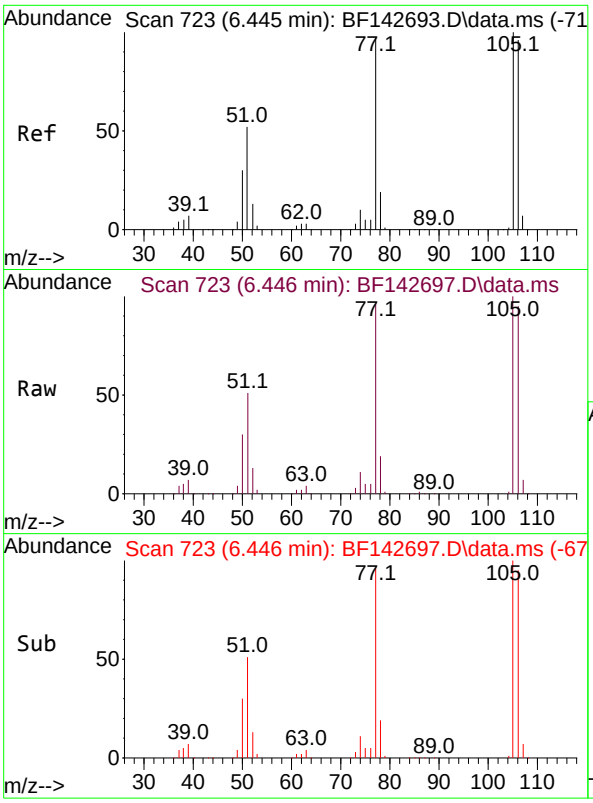


#8
2-Chlorophenol
Concen: 39.454 ng
RT: 6.681 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:128 Resp: 213711

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.3	53.3
64	44.4	25.4	65.4



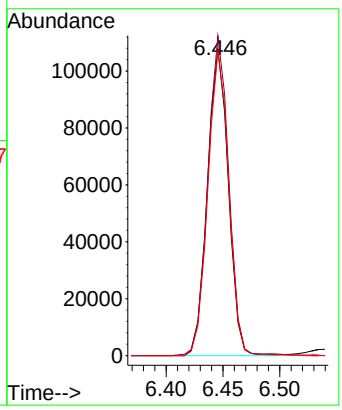


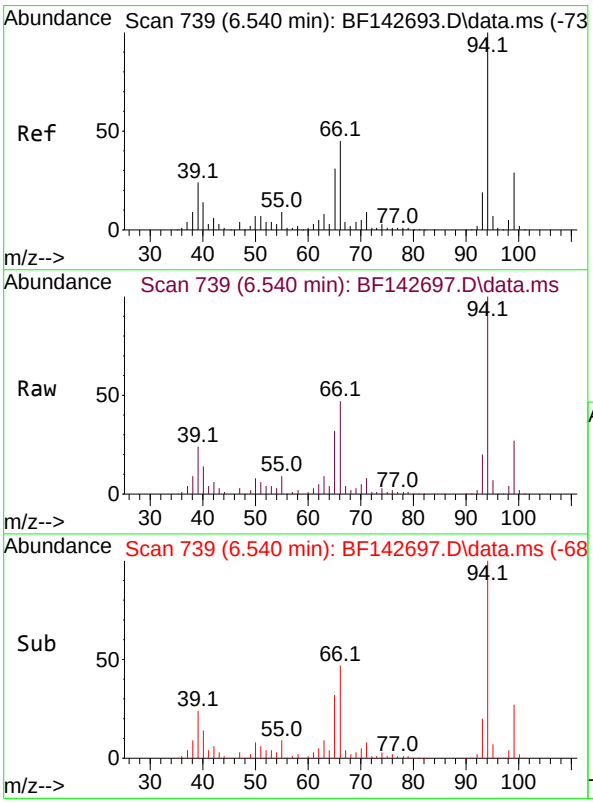
#9
Benzaldehyde
Concen: 42.005 ng
RT: 6.446 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 77 Resp: 137872

Ion	Ratio	Lower	Upper
77	100		
105	104.2	83.2	123.2
106	99.1	78.7	118.7

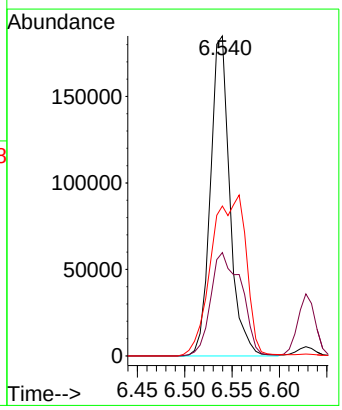


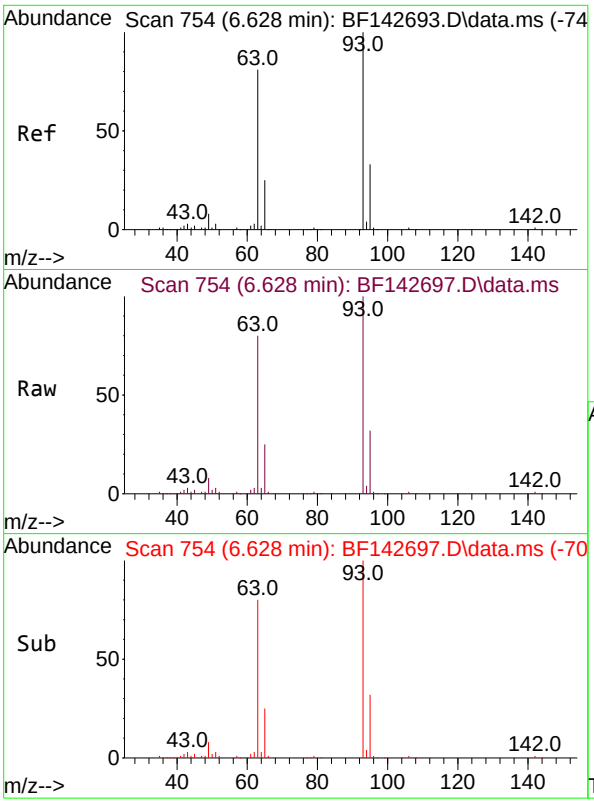


#10
Phenol
Concen: 40.441 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 94 Resp: 263664

Ion	Ratio	Lower	Upper
94	100		
65	32.3	11.0	51.0
66	46.8	24.9	64.9



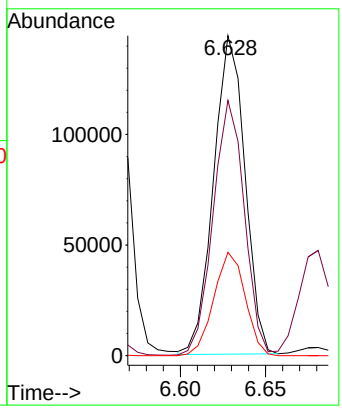


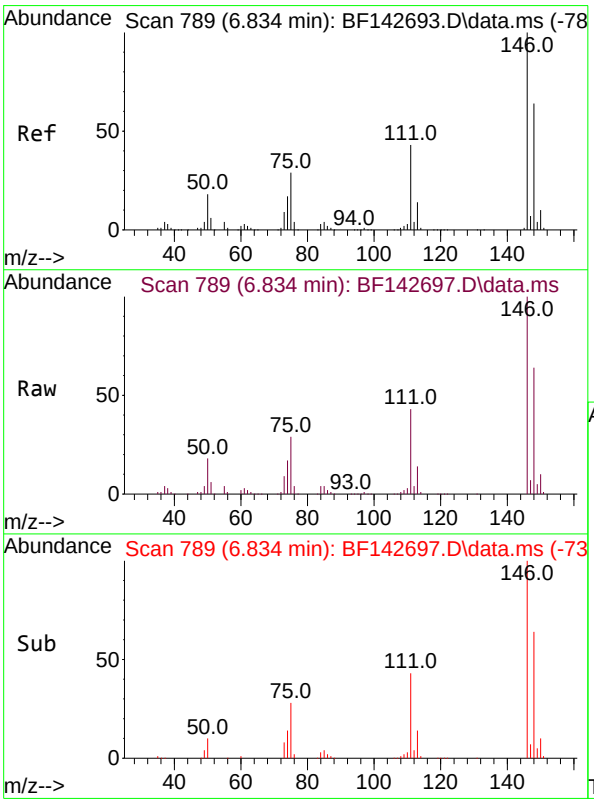
#11
bis(2-Chloroethyl)ether
Concen: 38.868 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 93 Resp: 184610

Ion	Ratio	Lower	Upper
93	100		
63	79.7	60.0	100.0
95	32.3	12.2	52.2

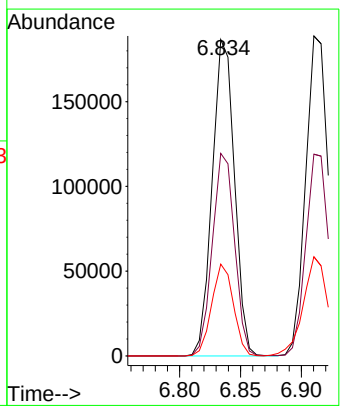


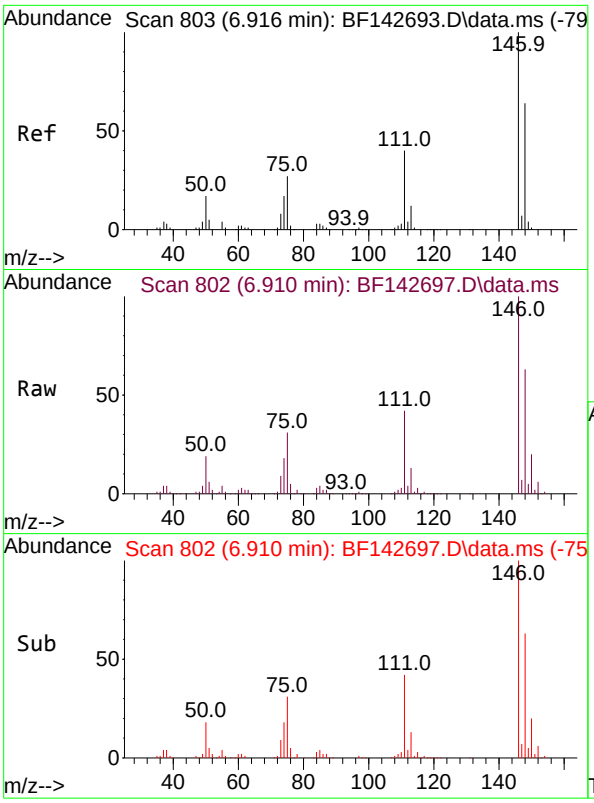


#12
1,3-Dichlorobenzene
Concen: 39.129 ng
RT: 6.834 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:146 Resp: 237367

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
75	29.0	23.1	34.7



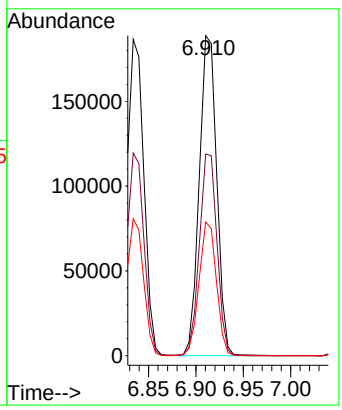


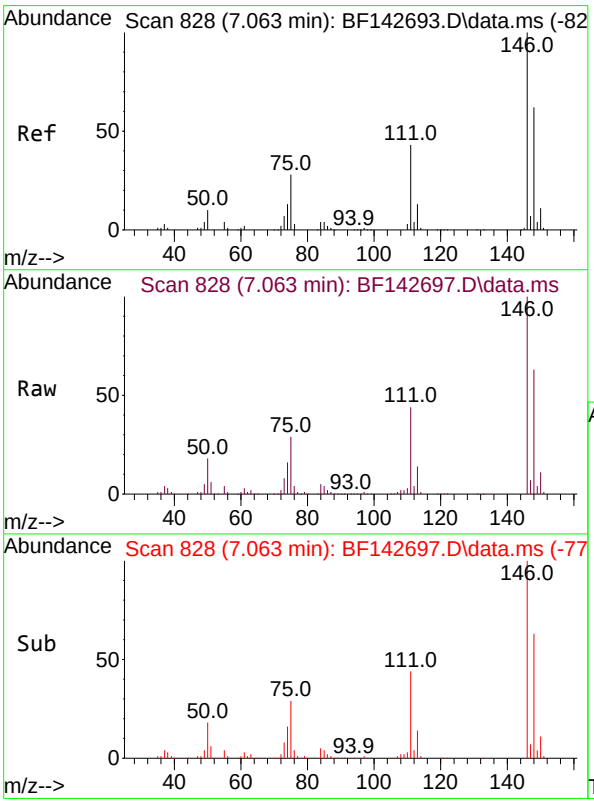
#13
1,4-Dichlorobenzene
Concen: 39.089 ng
RT: 6.910 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:146 Resp: 242456

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.0	76.6
111	41.8	31.8	47.8

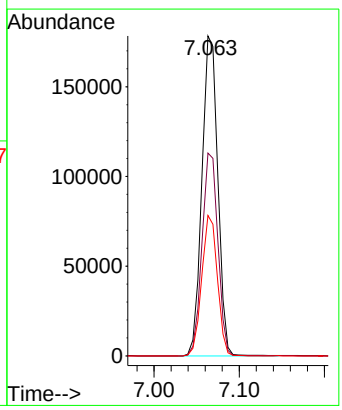


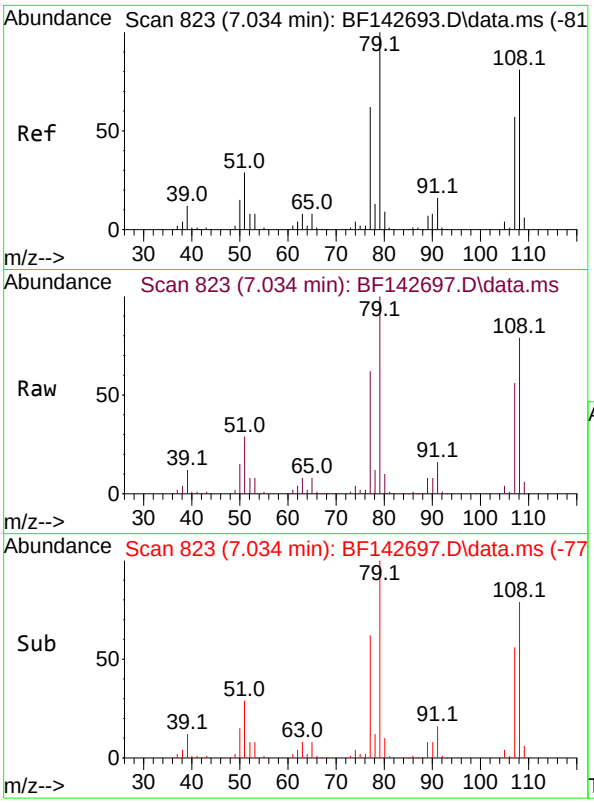


#14
1,2-Dichlorobenzene
Concen: 39.046 ng
RT: 7.063 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:146 Resp: 230922

Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.3	73.9
111	43.9	34.1	51.1



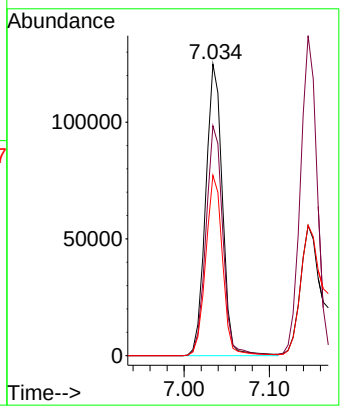


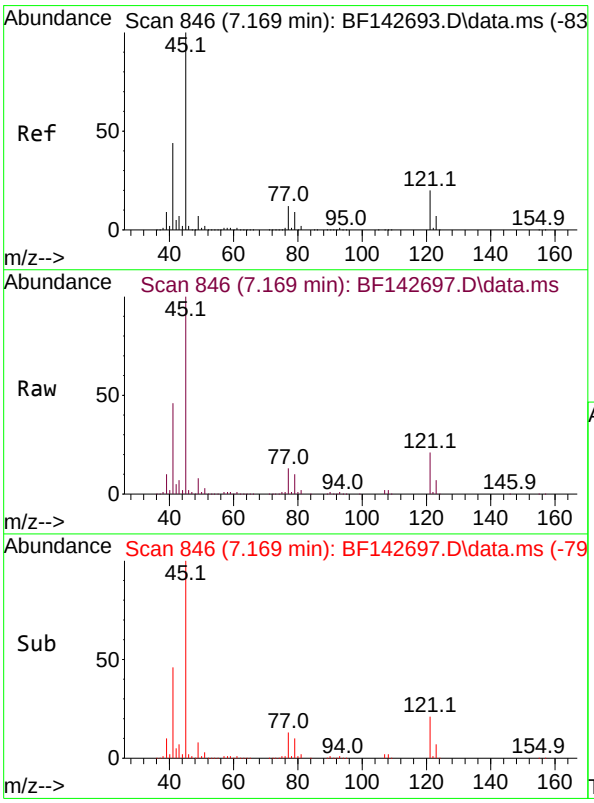
#15
Benzyl Alcohol
Concen: 39.965 ng
RT: 7.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 79 Resp: 170205

Ion	Ratio	Lower	Upper
79	100		
108	78.9	64.8	97.2
77	61.8	49.4	74.2

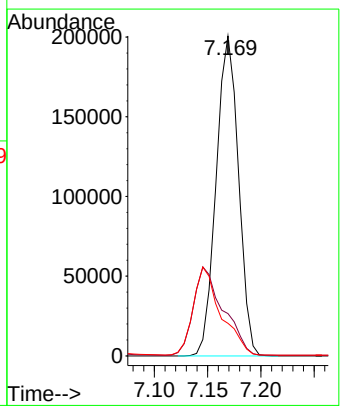


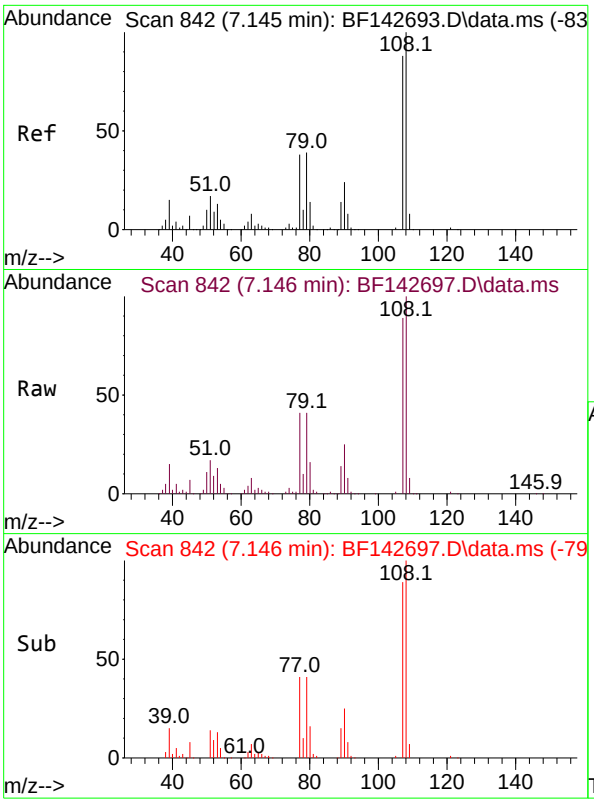


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.837 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 45 Resp: 292640

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	32.8
79	10.2	0.0	30.3



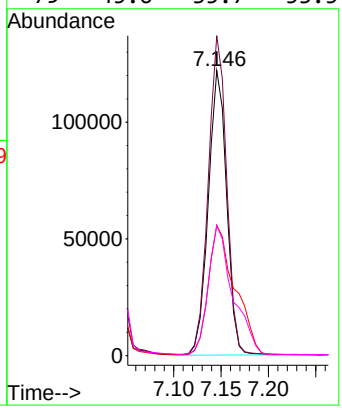


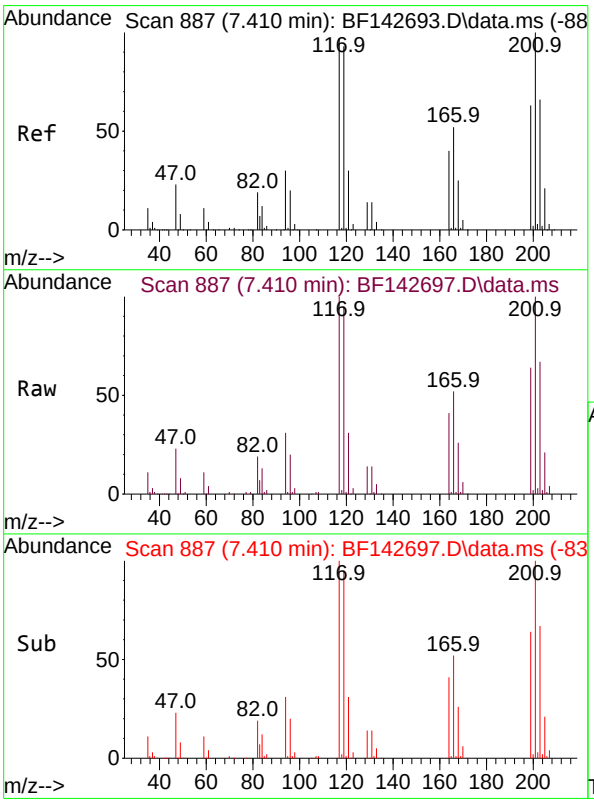
#17
2-Methylphenol
Concen: 39.651 ng
RT: 7.146 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:107 Resp: 164693

Ion	Ratio	Lower	Upper
107	100		
108	112.3	91.0	136.4
77	45.7	34.9	52.3
79	45.6	35.7	53.5

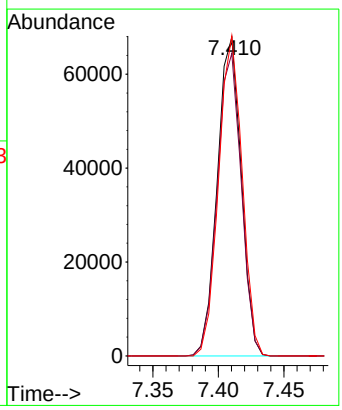


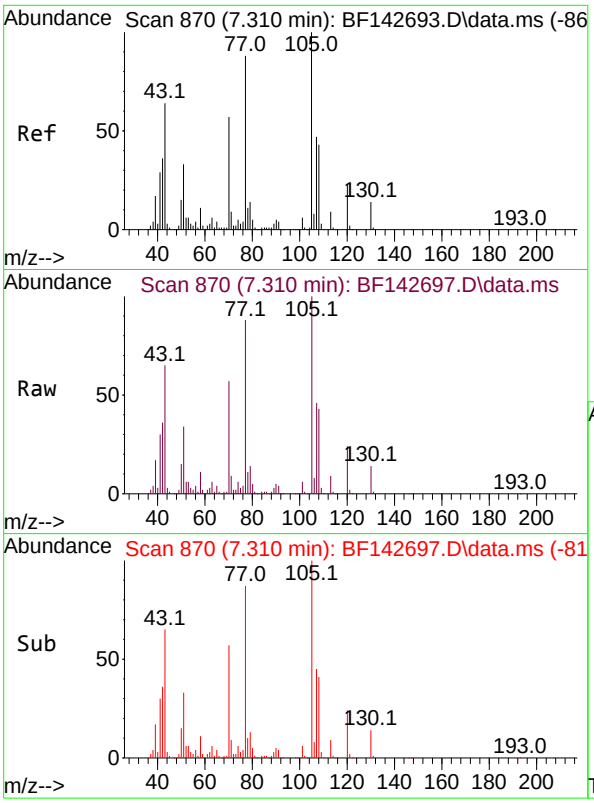


#18
Hexachloroethane
Concen: 40.386 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:117 Resp: 86059

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.1	115.7
201	100.4	82.6	123.8



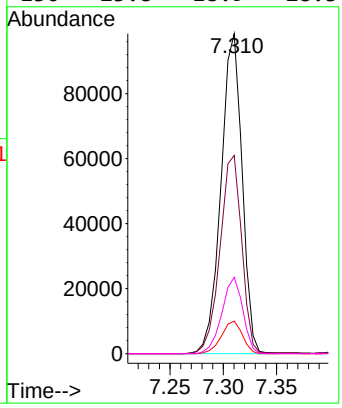


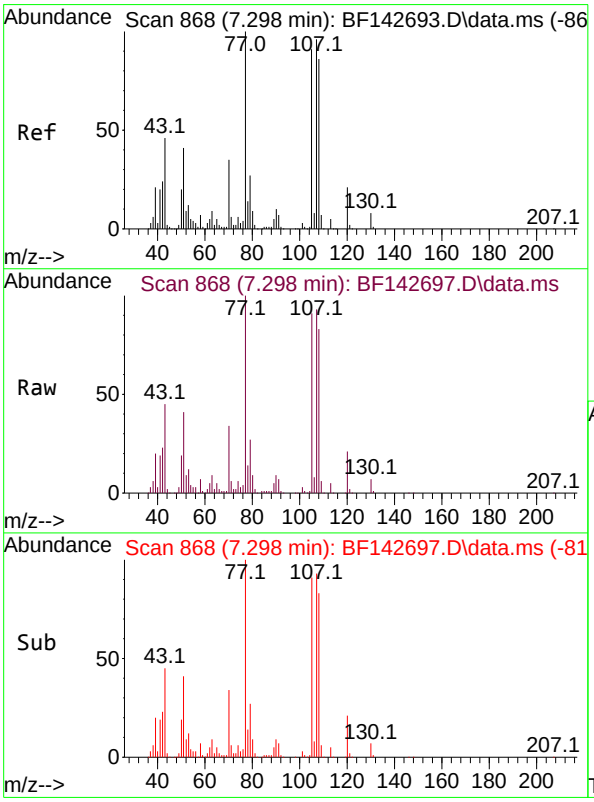
#19
n-Nitroso-di-n-propylamine
Concen: 39.854 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 70 Resp: 136020

Ion	Ratio	Lower	Upper
70	100		
42	61.9	50.1	75.1
101	10.2	8.1	12.1
130	23.8	18.9	28.3

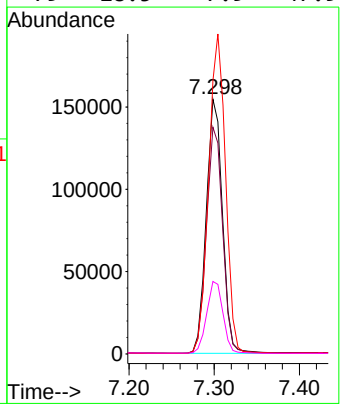


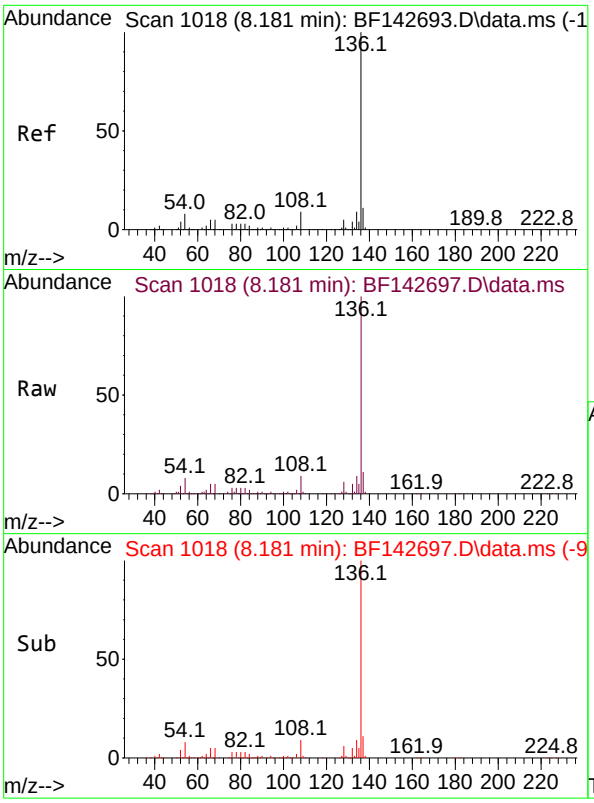


#20
3+4-Methylphenols
Concen: 39.736 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:107 Resp: 203265

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.5	109.5
77	107.2	83.6	123.6
79	28.5	7.9	47.9



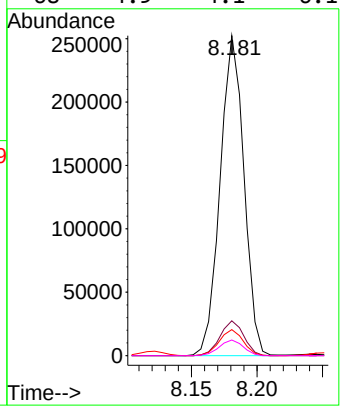


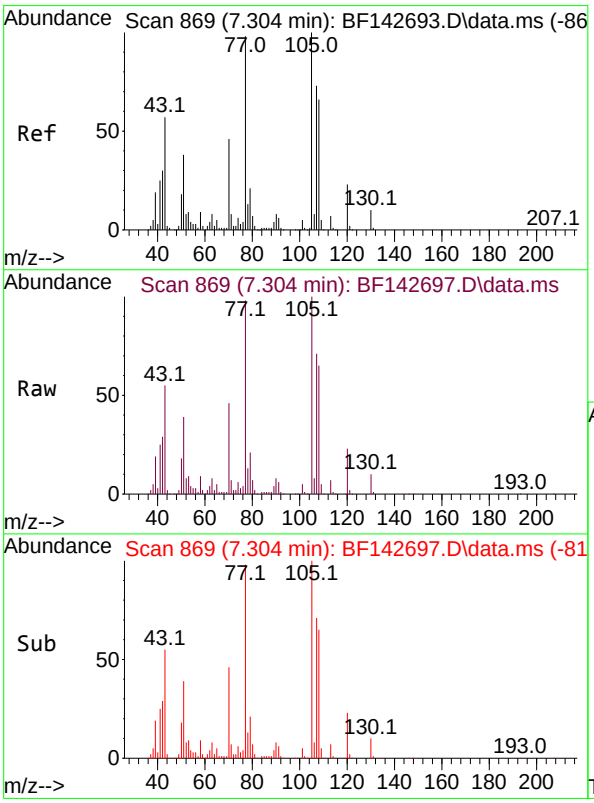
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:136 Resp: 319266

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	6.4	9.6
68	4.9	4.1	6.1

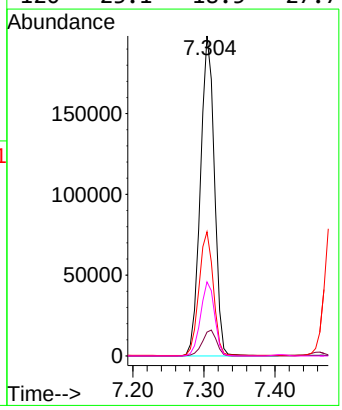


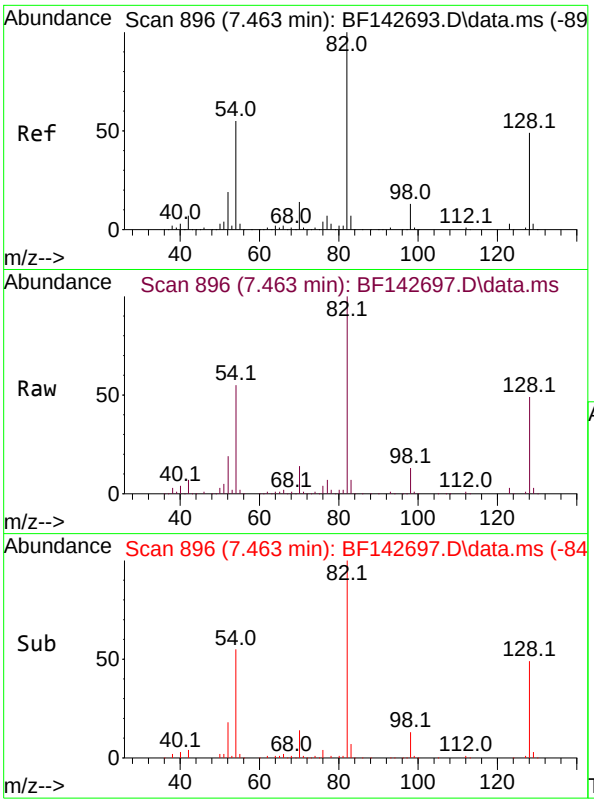


#22
Acetophenone
Concen: 38.750 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:105 Resp: 270439

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.2	9.2
51	38.8	30.8	46.2
120	23.1	18.5	27.7



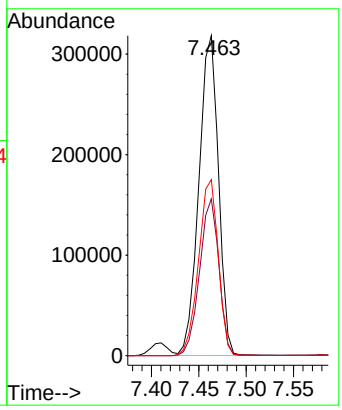


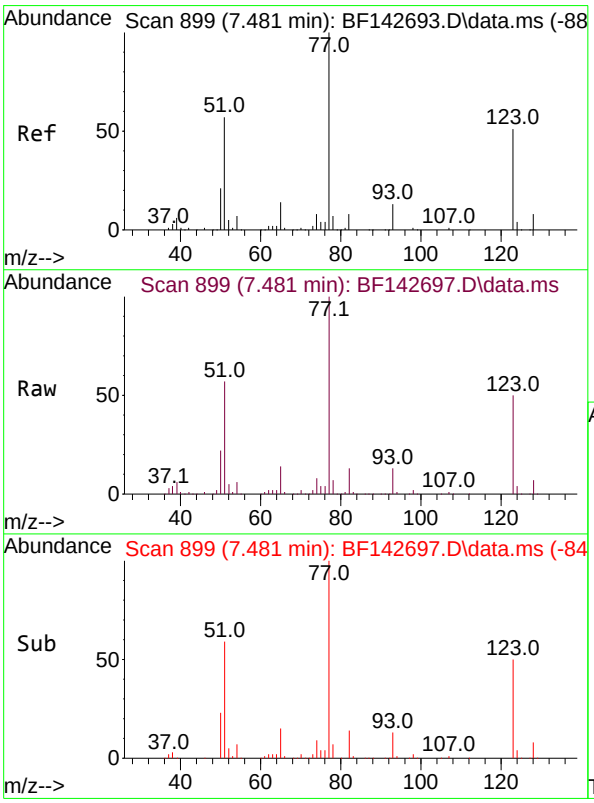
#23
Nitrobenzene-d5
Concen: 78.591 ng
RT: 7.463 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 82 Resp: 456568

Ion	Ratio	Lower	Upper
82	100		
128	49.0	39.3	58.9
54	55.0	44.2	66.2

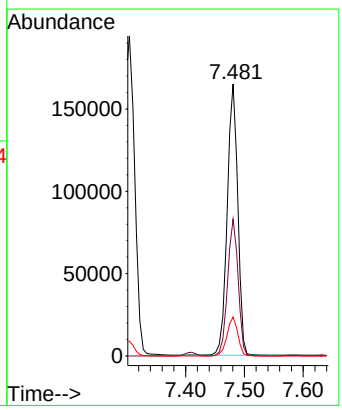


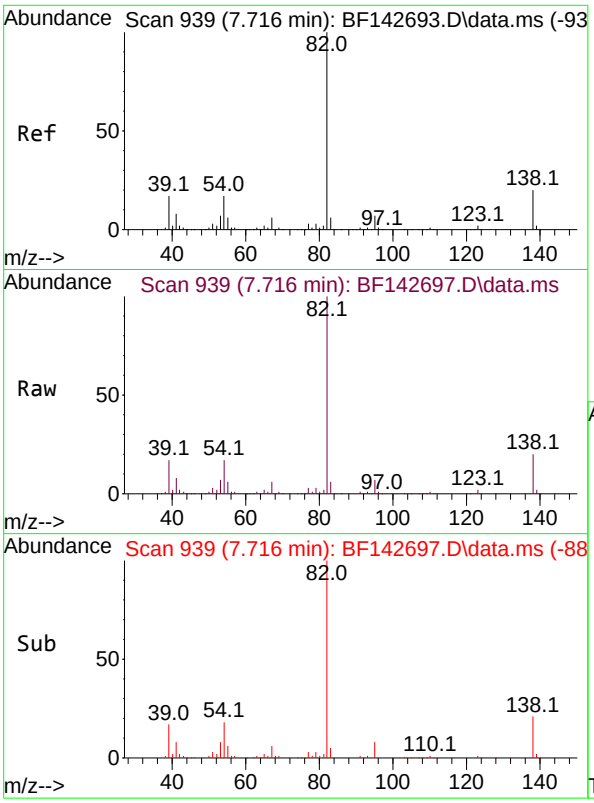


#24
Nitrobenzene
Concen: 39.247 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 77 Resp: 205623

Ion	Ratio	Lower	Upper
77	100		
123	50.3	41.3	61.9
65	14.3	11.2	16.8



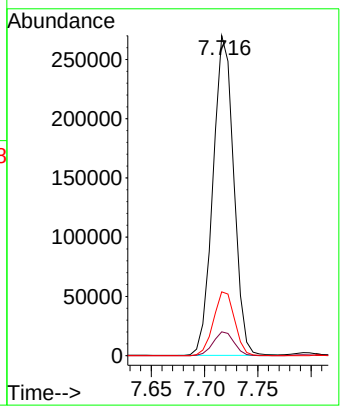


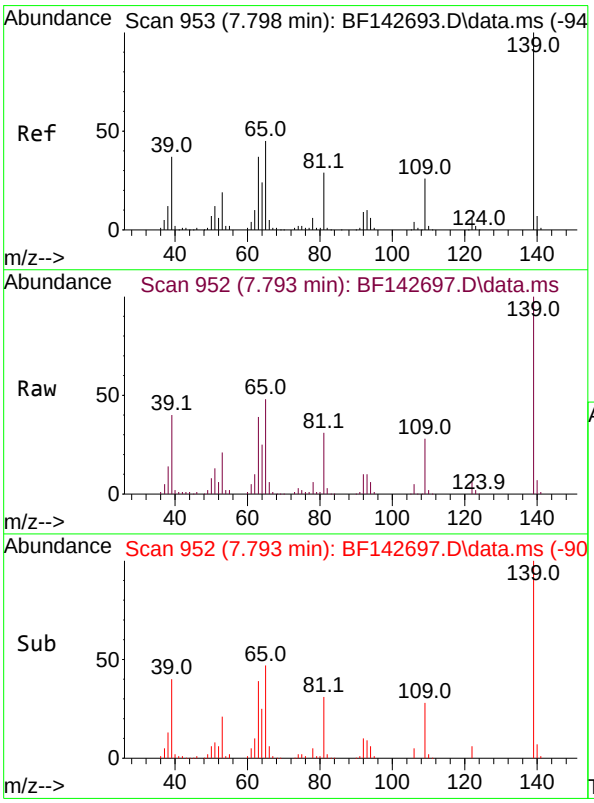
#25
Isophorone
Concen: 38.930 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 82 Resp: 366928

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	19.9	16.1	24.1

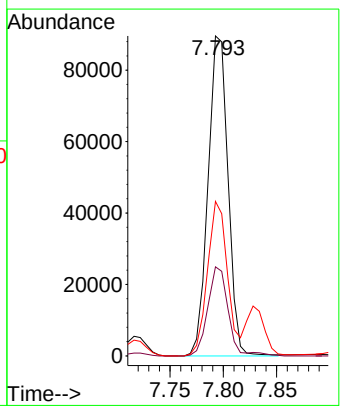


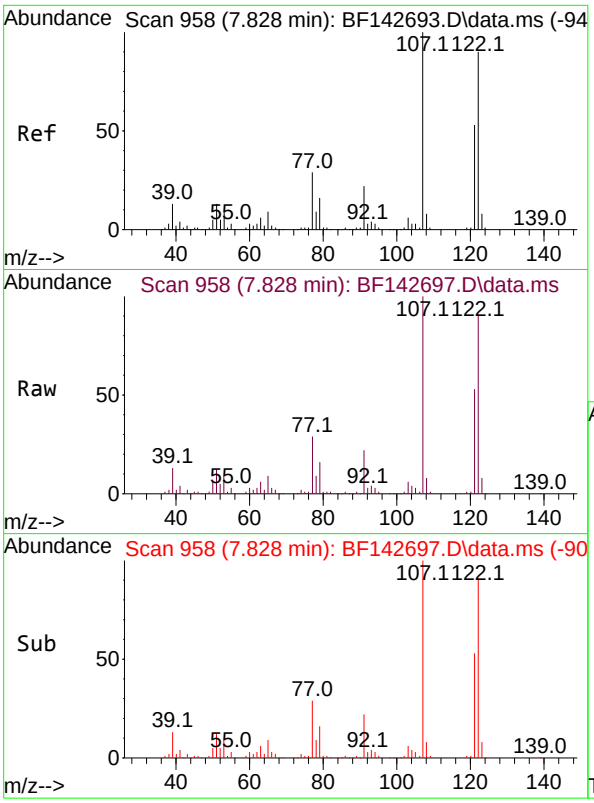


#26
2-Nitrophenol
Concen: 40.477 ng
RT: 7.793 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:139 Resp: 116979

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.0	31.6
65	48.3	36.2	54.2



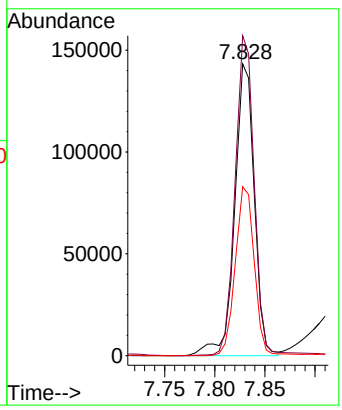


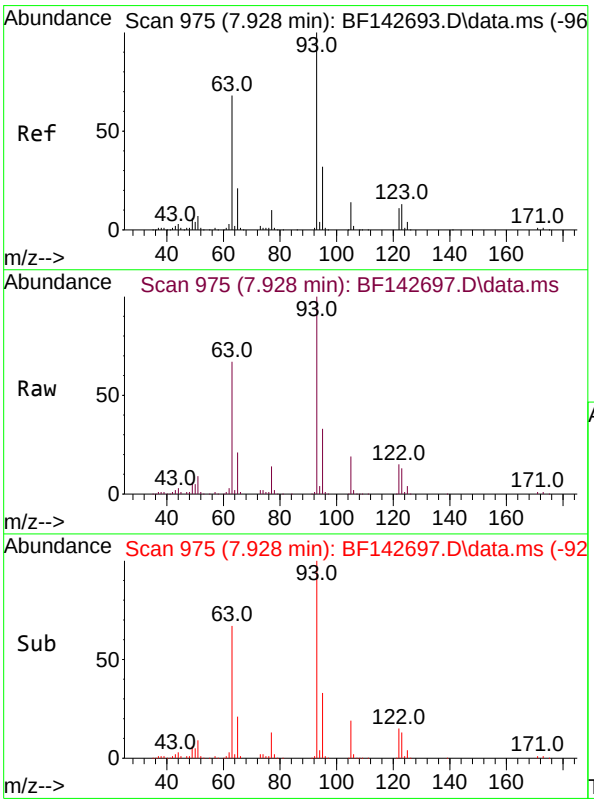
#27
2,4-Dimethylphenol
Concen: 39.523 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:122 Resp: 194119

Ion	Ratio	Lower	Upper
122	100		
107	109.7	89.4	134.2
121	57.9	47.1	70.7

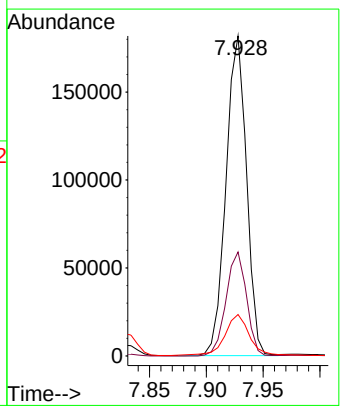


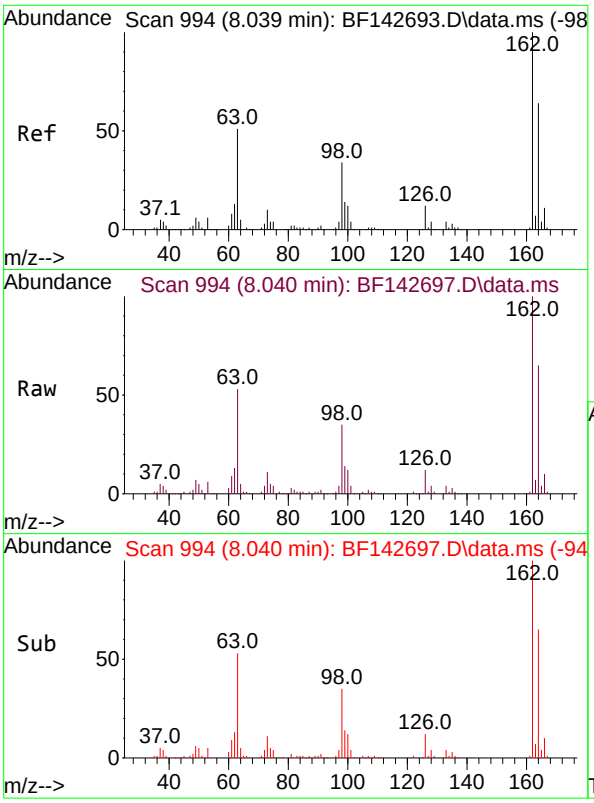


#28
bis(2-Chloroethoxy)methane
Concen: 38.561 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 93 Resp: 227954

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	12.9	10.5	15.7



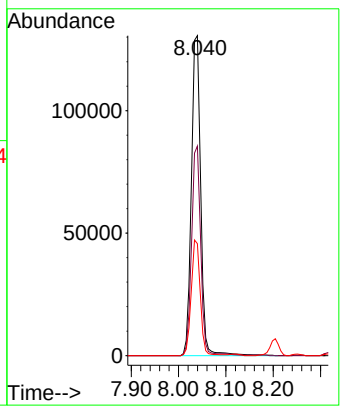


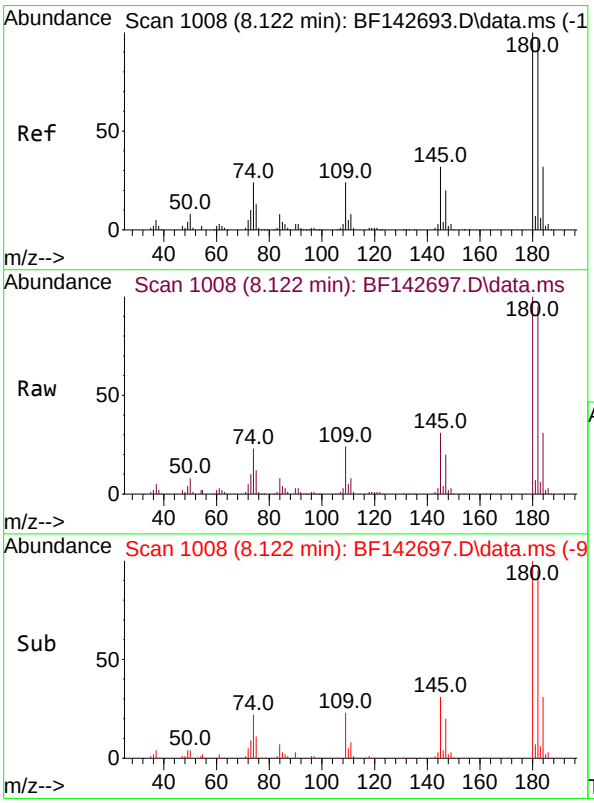
#29
2,4-Dichlorophenol
Concen: 39.730 ng
RT: 8.040 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:162 Resp: 178767

Ion	Ratio	Lower	Upper
162	100		
164	65.5	44.0	84.0
98	35.0	14.4	54.4

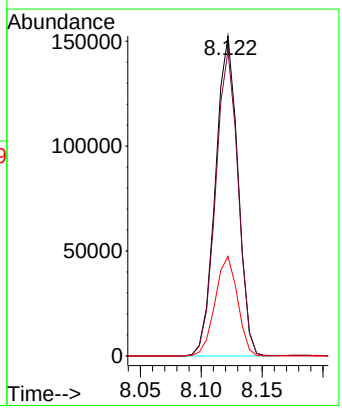


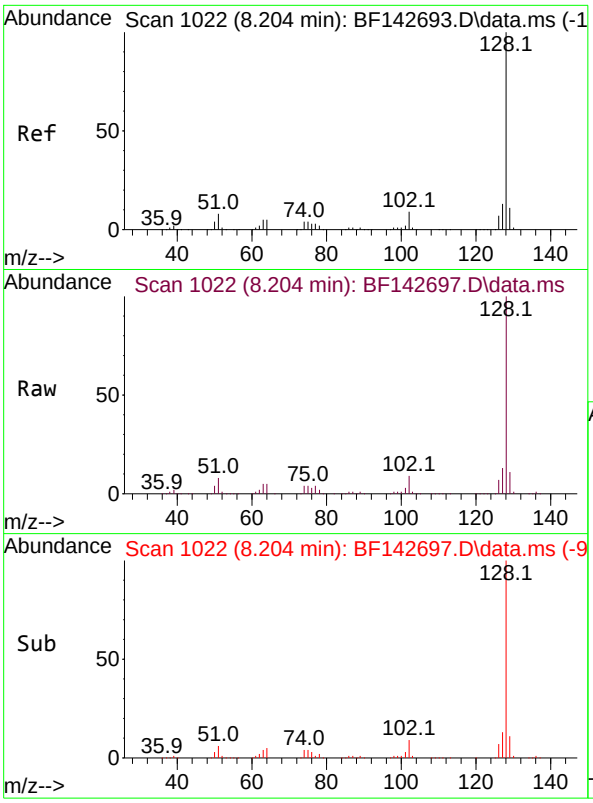


#30
1,2,4-Trichlorobenzene
Concen: 39.694 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:180 Resp: 194821

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	31.1	25.4	38.0



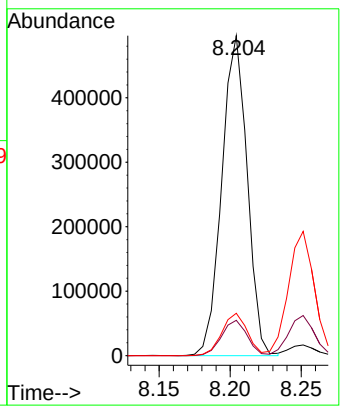


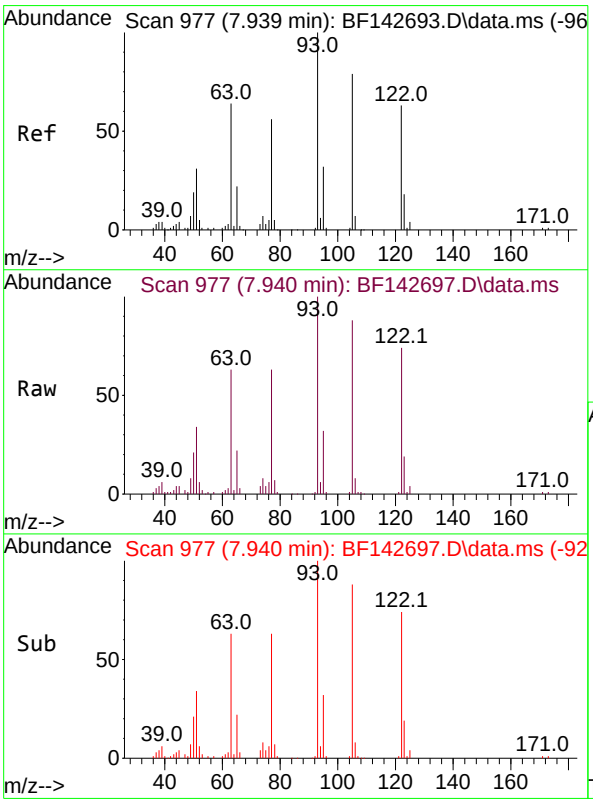
#31
Naphthalene
Concen: 39.190 ng
RT: 8.204 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:128 Resp: 616558

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.6	15.8

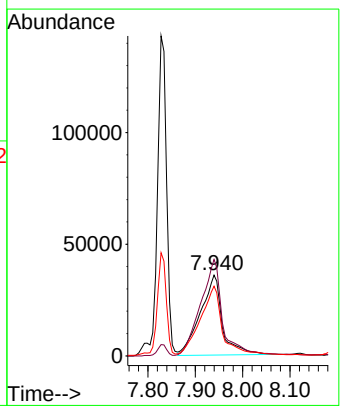


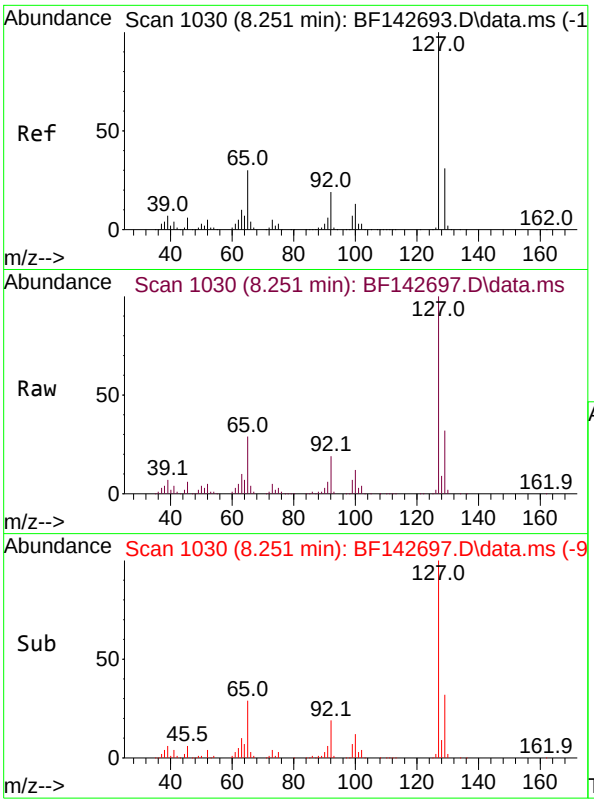


#32
Benzoic acid
Concen: 38.754 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:122 Resp: 115551

Ion	Ratio	Lower	Upper
122	100		
105	119.4	100.3	140.3
77	86.2	67.9	107.9



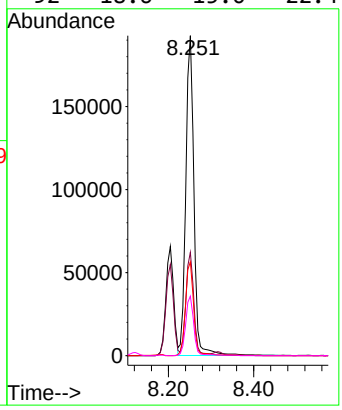


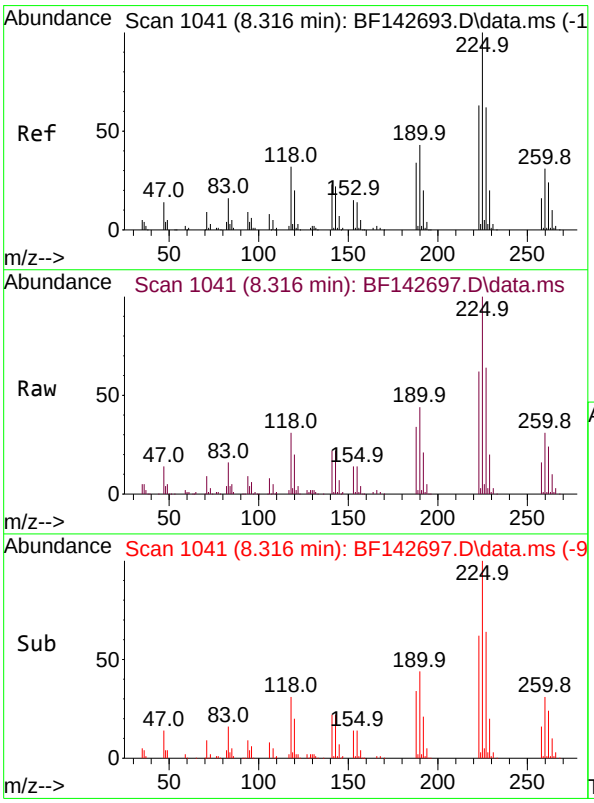
#33
4-Chloroaniline
Concen: 39.531 ng
RT: 8.251 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:127 Resp: 255687

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	29.3	23.8	35.6
92	18.6	15.0	22.4

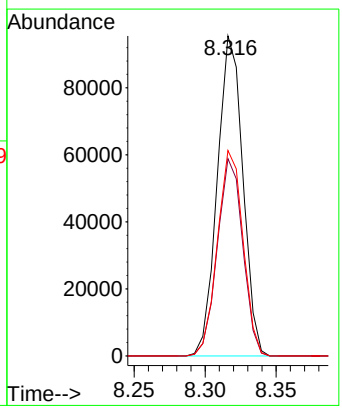


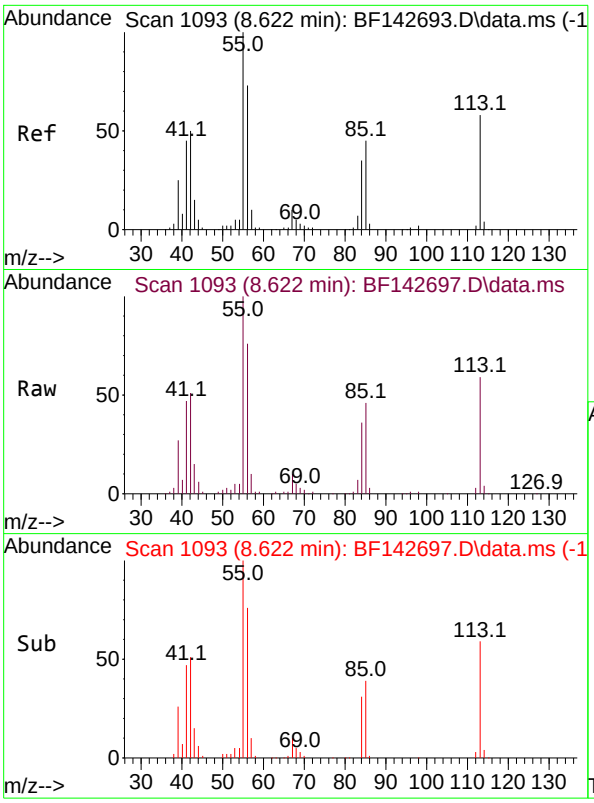


#34
Hexachlorobutadiene
Concen: 39.509 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:225 Resp: 119427

Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.7	76.1
227	64.2	49.8	74.8



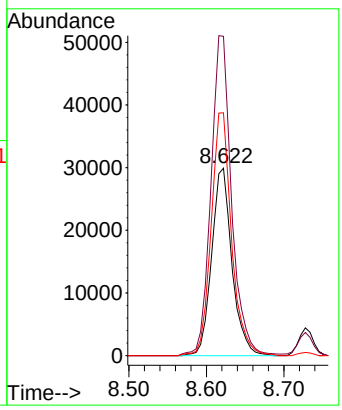


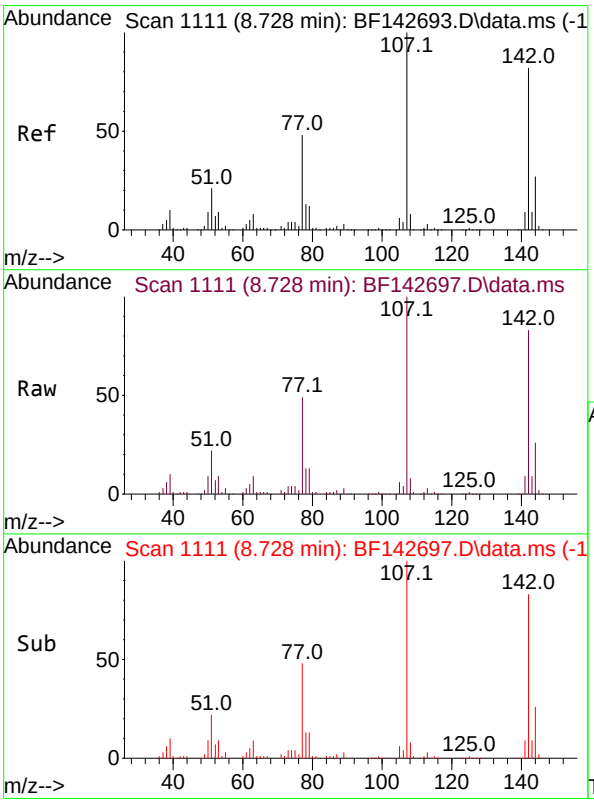
#35
Caprolactam
Concen: 39.339 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:113 Resp: 54368

Ion	Ratio	Lower	Upper
113	100		
55	170.3	152.9	192.9
56	129.5	106.6	146.6

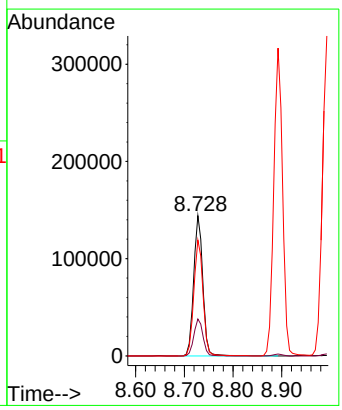


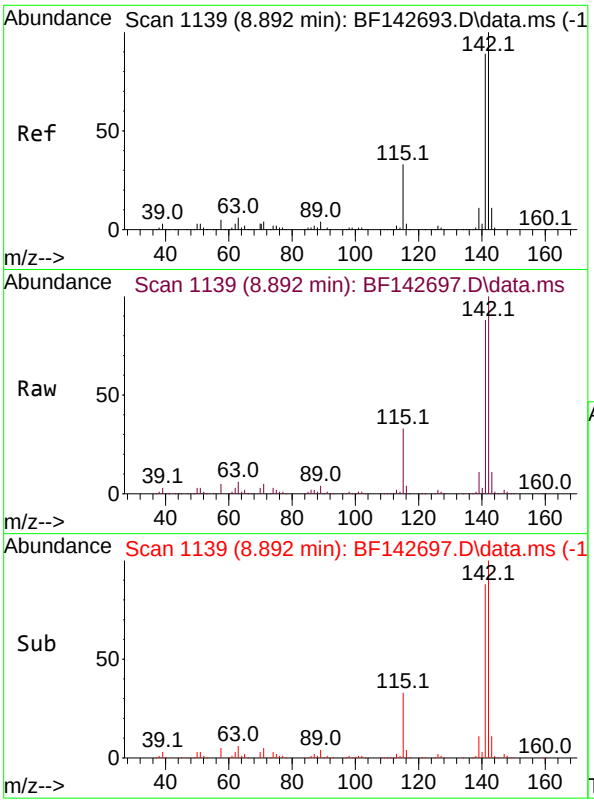


#36
4-Chloro-3-methylphenol
Concen: 40.185 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:107 Resp: 186512

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.5	32.3
142	82.6	65.5	98.3



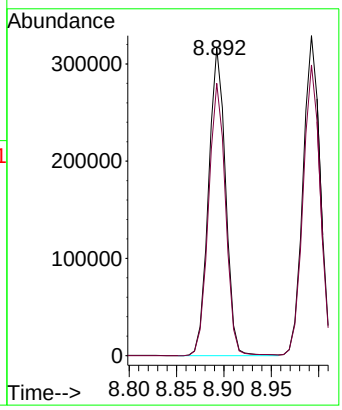


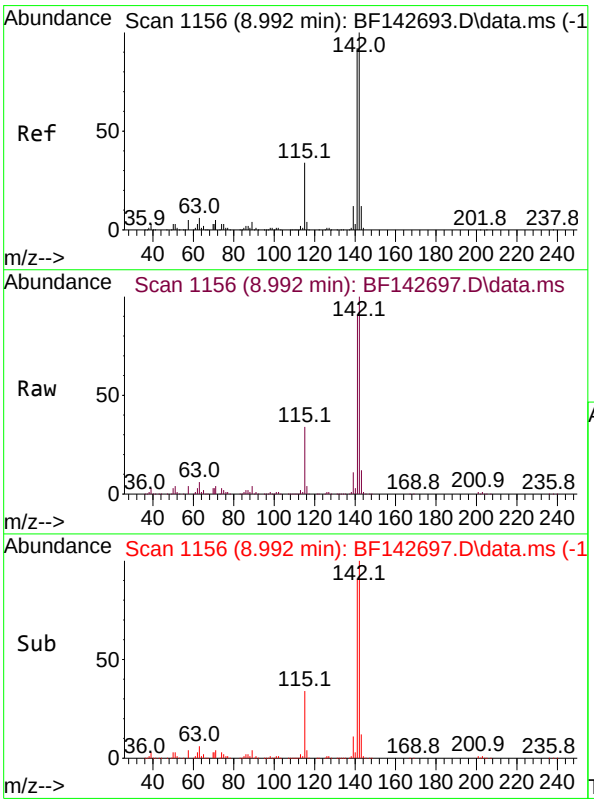
#37
2-Methylnaphthalene
Concen: 39.972 ng
RT: 8.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:142 Resp: 395696

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

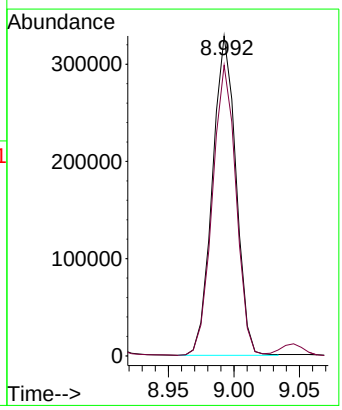


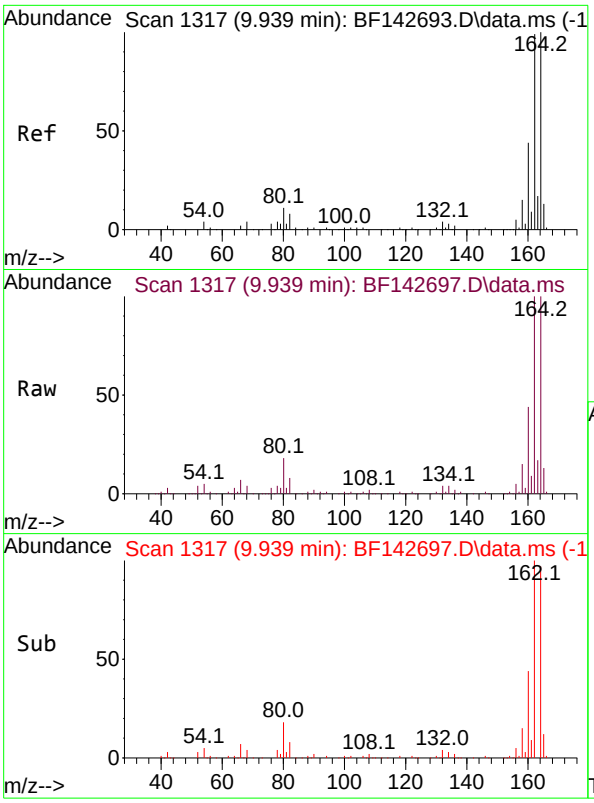


#38
1-Methylnaphthalene
Concen: 40.035 ng
RT: 8.992 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:142 Resp: 410403

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.7	110.5



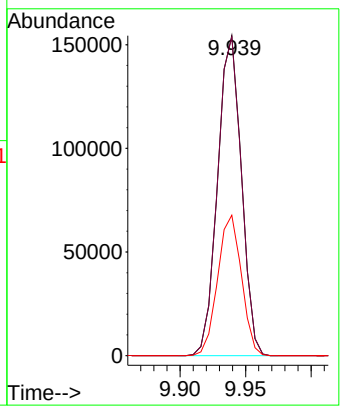


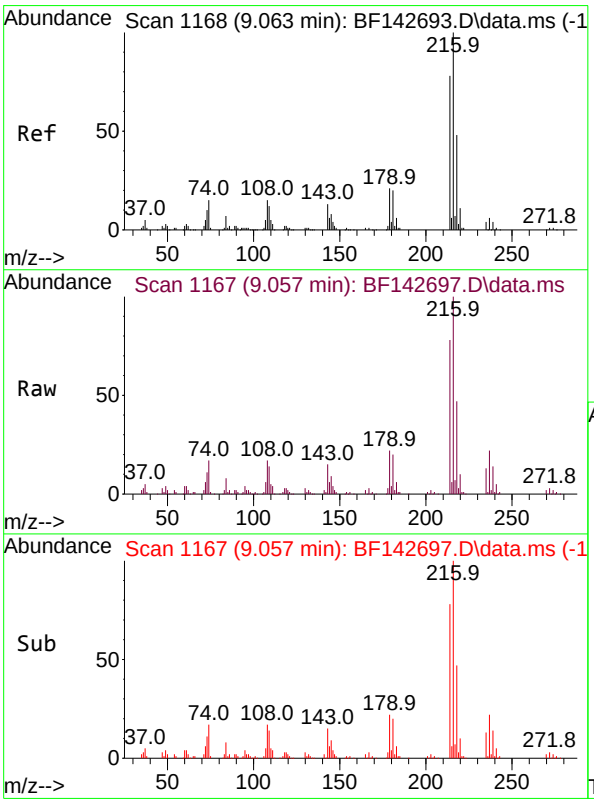
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:164 Resp: 194584

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.1	118.7
160	43.9	35.4	53.0

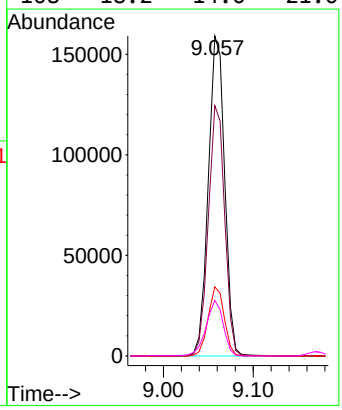


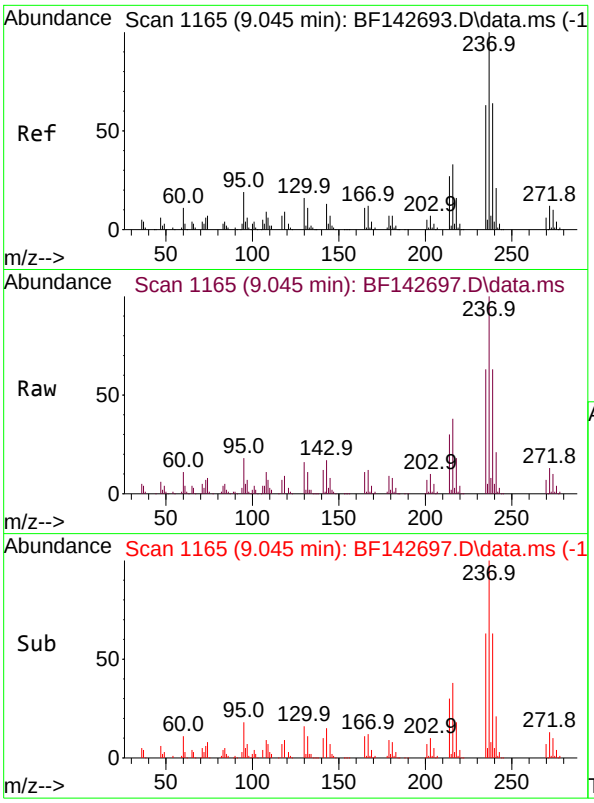


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.007 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:216 Resp: 202480

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.0	94.6
179	21.2	16.6	25.0
108	18.2	14.0	21.0



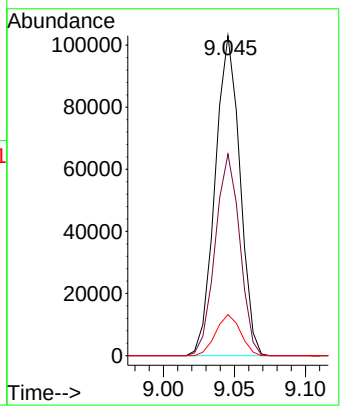


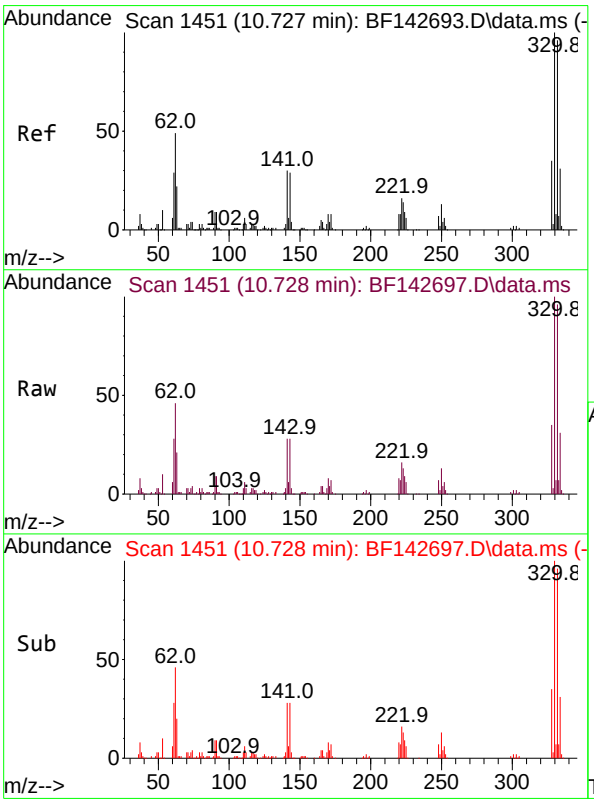
#41
Hexachlorocyclopentadiene
Concen: 37.884 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:237 Resp: 125104

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.1	83.1
272	12.8	0.0	32.5

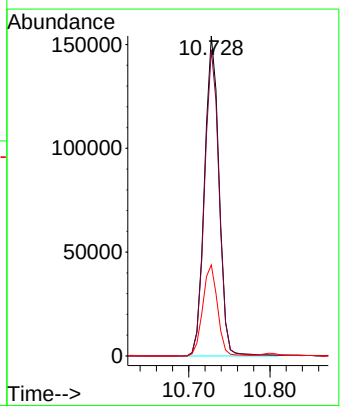


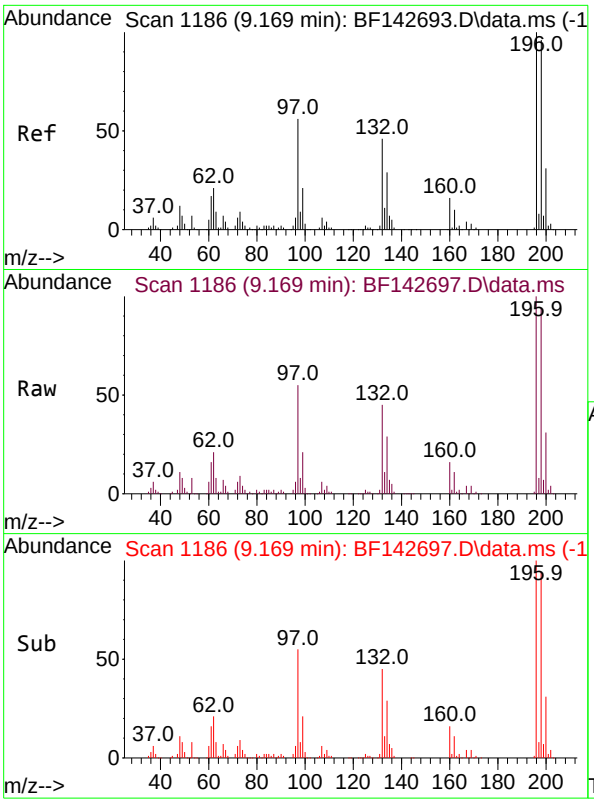


#42
2,4,6-Tribromophenol
Concen: 87.845 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:330 Resp: 192045

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	28.8	23.5	35.3



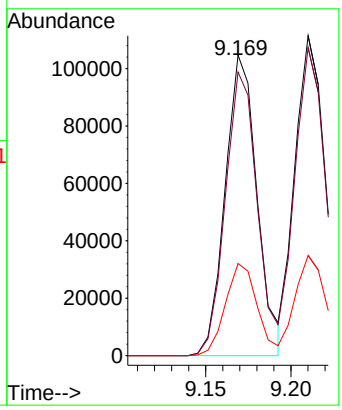


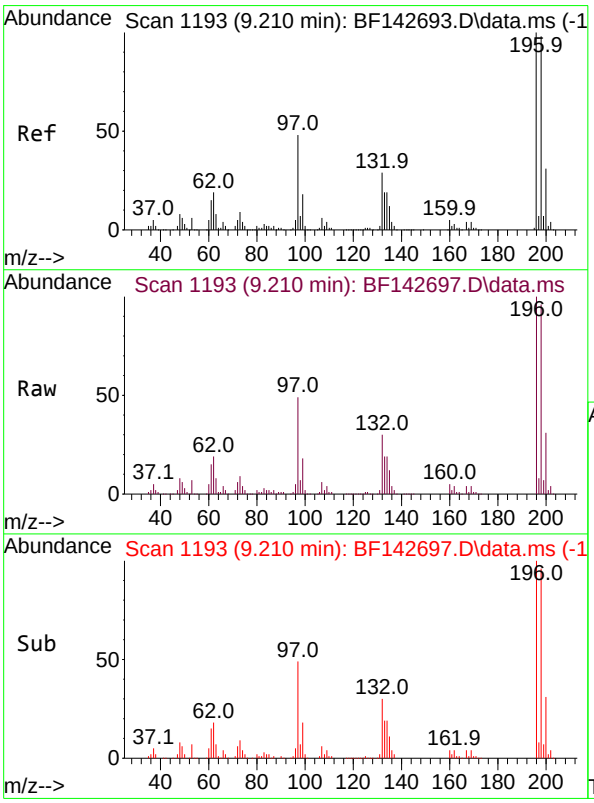
#43
2,4,6-Trichlorophenol
Concen: 36.923 ng
RT: 9.169 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:196 Resp: 136237

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.1	115.7
200	30.6	24.5	36.7

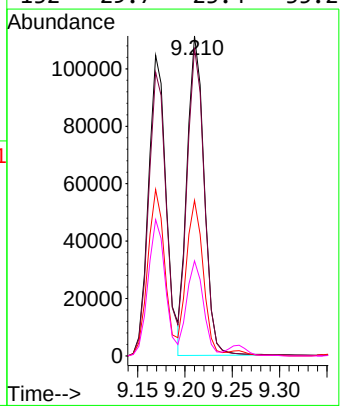


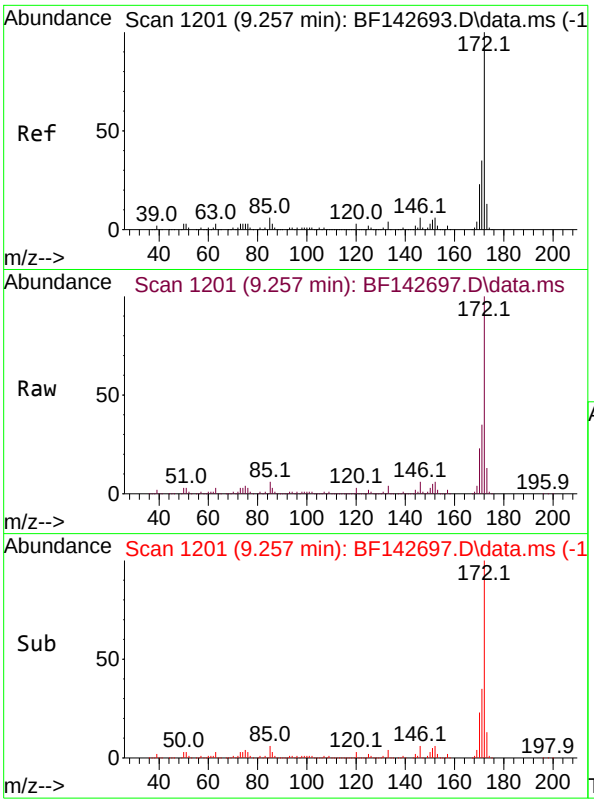


#44
2,4,5-Trichlorophenol
Concen: 35.518 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:196 Resp: 139977

Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.2	117.2
97	48.6	39.2	58.8
132	29.7	23.4	35.2



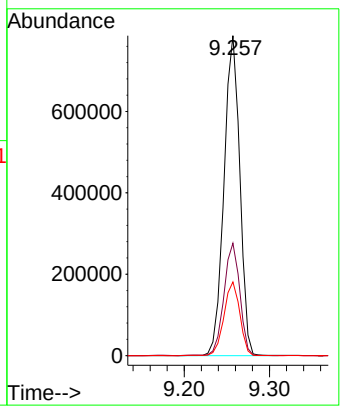


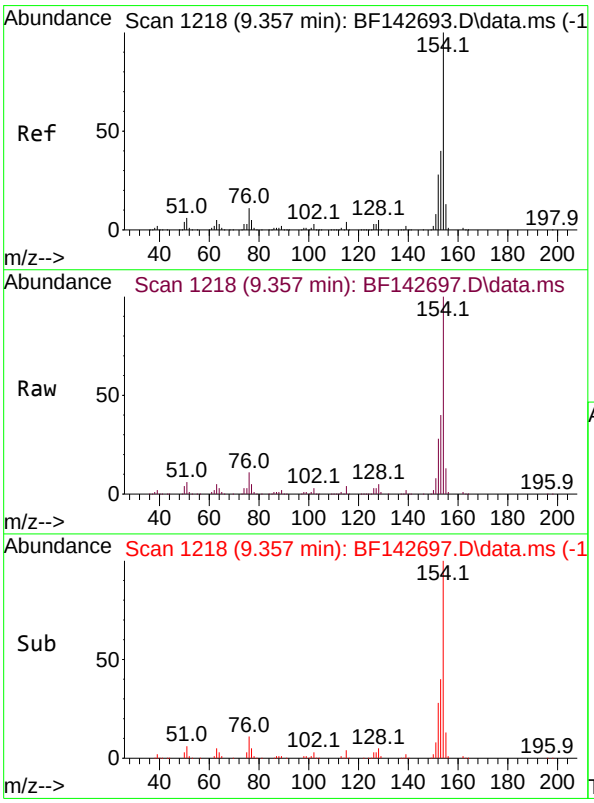
#45
2-Fluorobiphenyl
Concen: 71.127 ng
RT: 9.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:172 Resp: 1012025

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.0	18.7	28.1

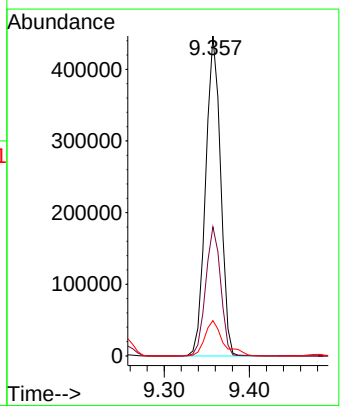


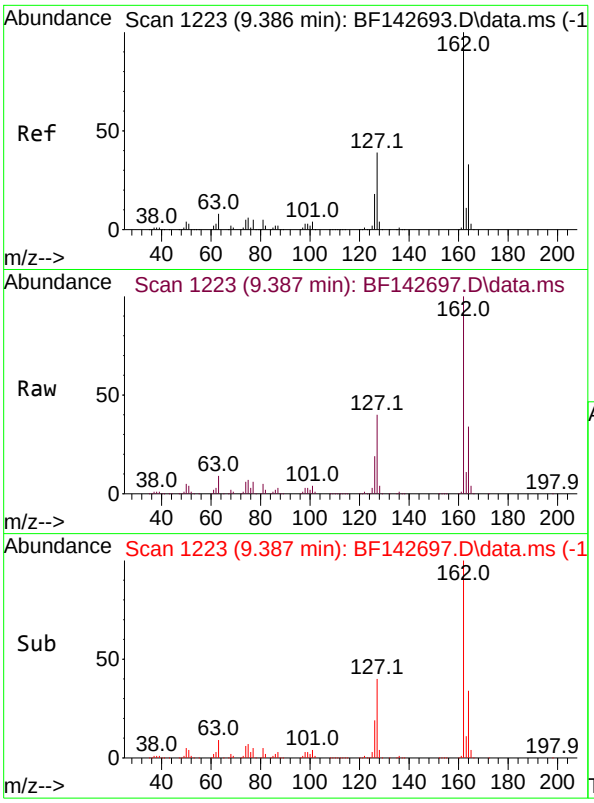


#46
1,1'-Biphenyl
Concen: 35.985 ng
RT: 9.357 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:154 Resp: 544487

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.4	60.4
76	11.0	0.0	31.4



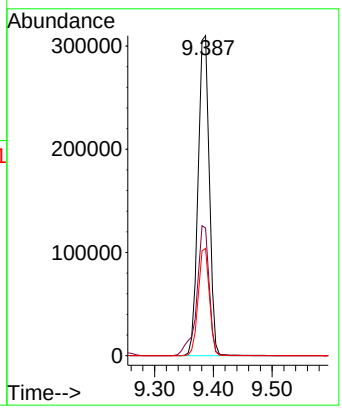


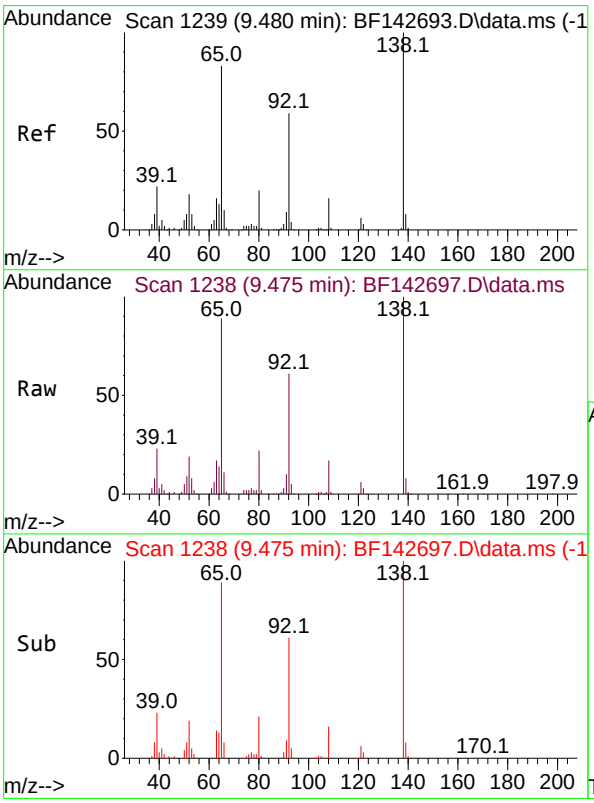
#47
2-Chloronaphthalene
Concen: 36.257 ng
RT: 9.387 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:162 Resp: 411042

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.7	47.5
164	33.5	26.2	39.4

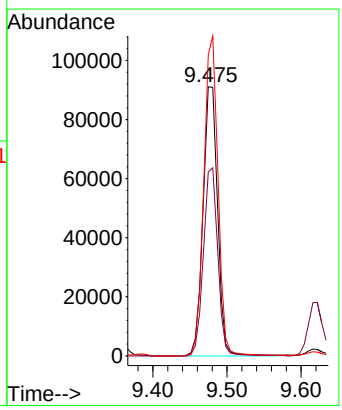


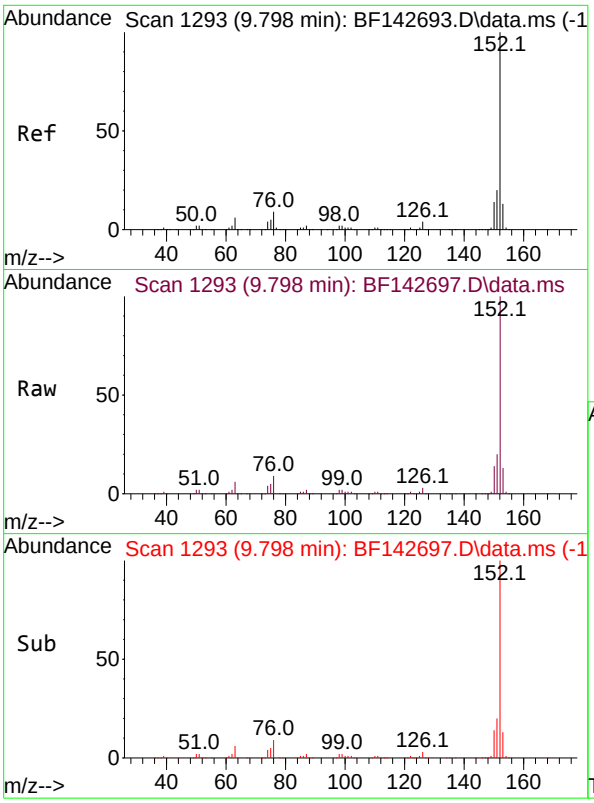


#48
2-Nitroaniline
Concen: 36.910 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion: 65 Resp: 124520

Ion	Ratio	Lower	Upper
65	100		
92	68.4	56.3	84.5
138	111.8	95.9	143.9



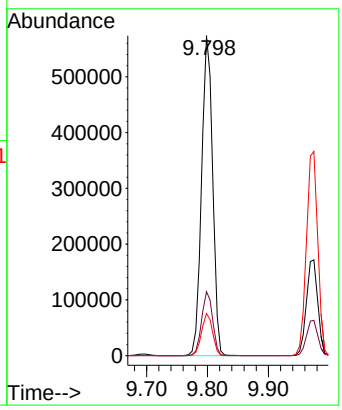


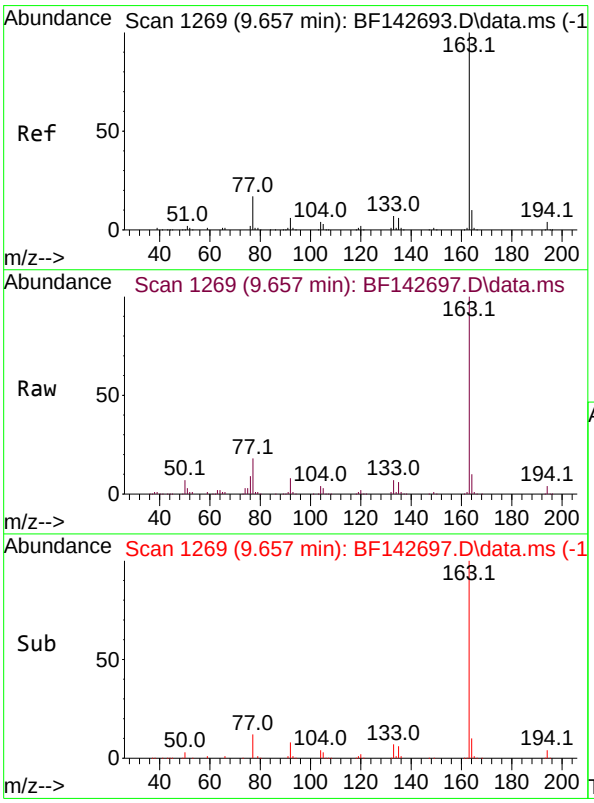
#49
Acenaphthylene
Concen: 38.434 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:152 Resp: 722161

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.1	10.5	15.7

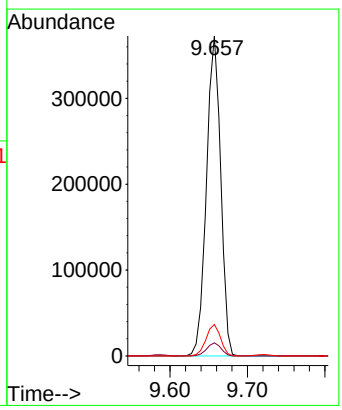


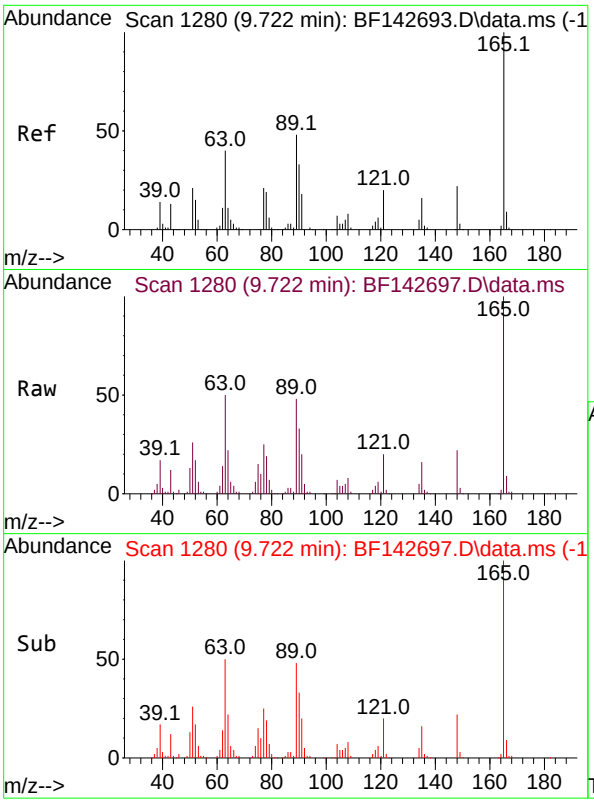


#50
Dimethylphthalate
Concen: 36.302 ng
RT: 9.657 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:163 Resp: 475263

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	8.1	12.1



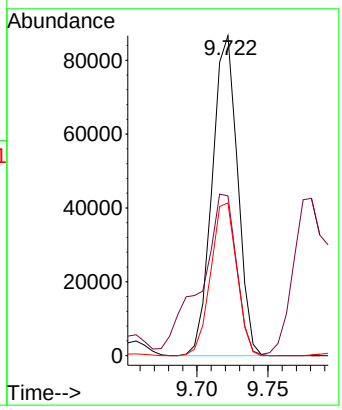


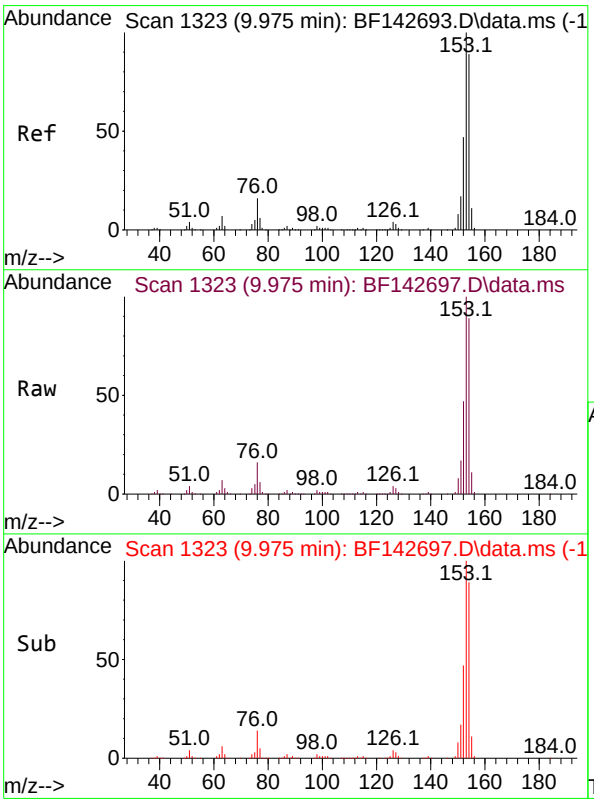
#51
2,6-Dinitrotoluene
Concen: 38.049 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:165 Resp: 107757

Ion	Ratio	Lower	Upper
165	100		
63	49.9	41.3	61.9
89	47.7	38.1	57.1

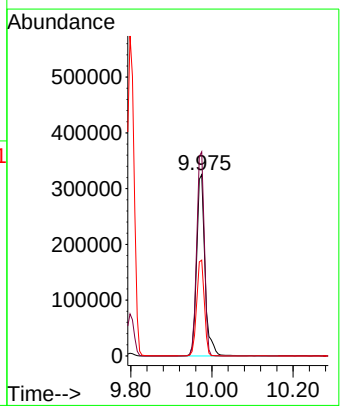


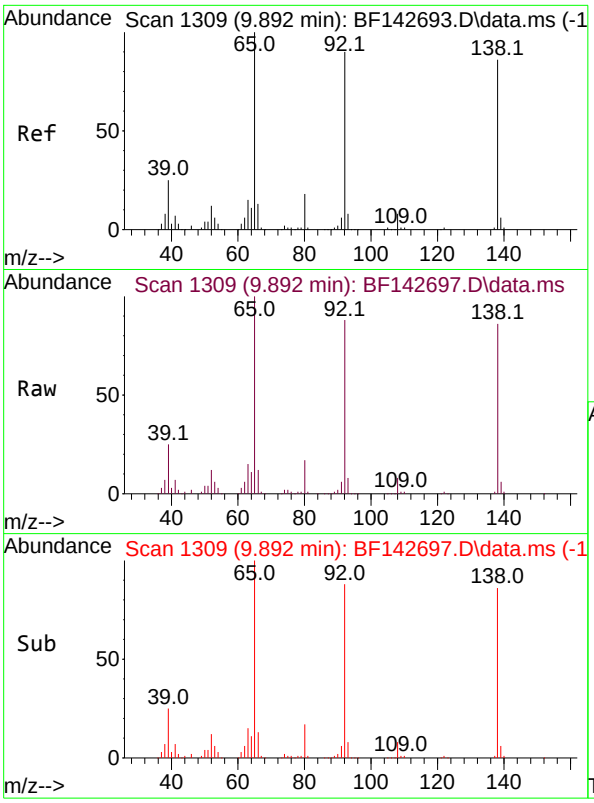


#52
Acenaphthene
Concen: 40.166 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:154 Resp: 461682

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.5	134.3
152	52.8	41.8	62.8



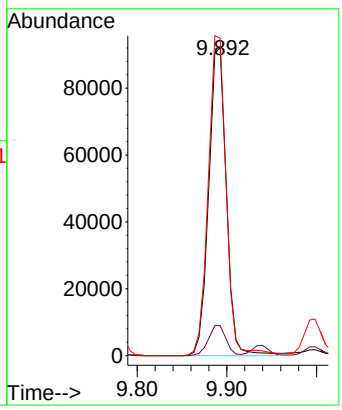


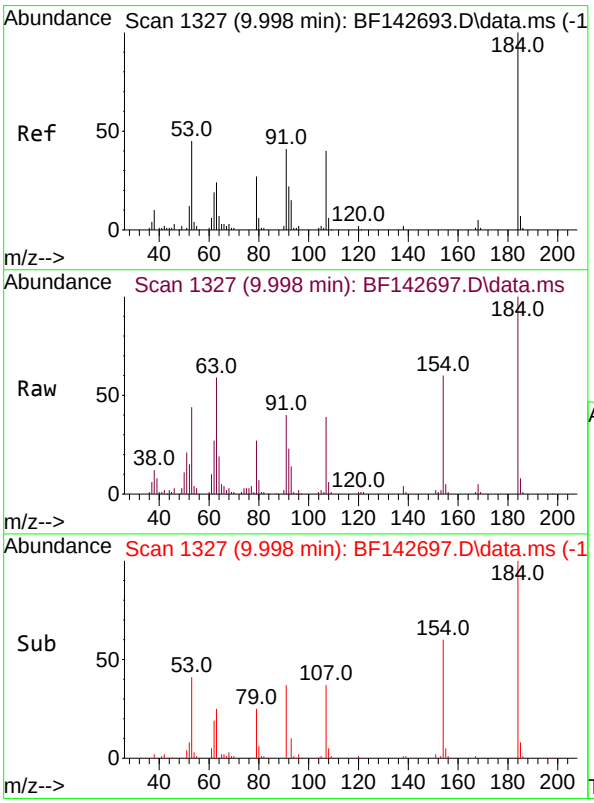
#53
3-Nitroaniline
Concen: 39.443 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:138 Resp: 125514

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.7	11.5
92	103.0	83.4	125.0

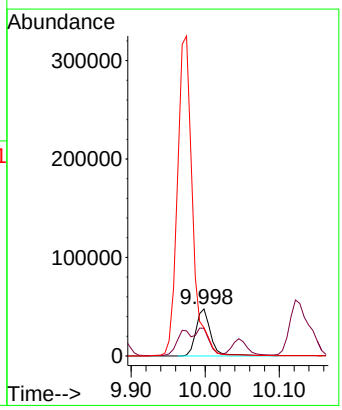


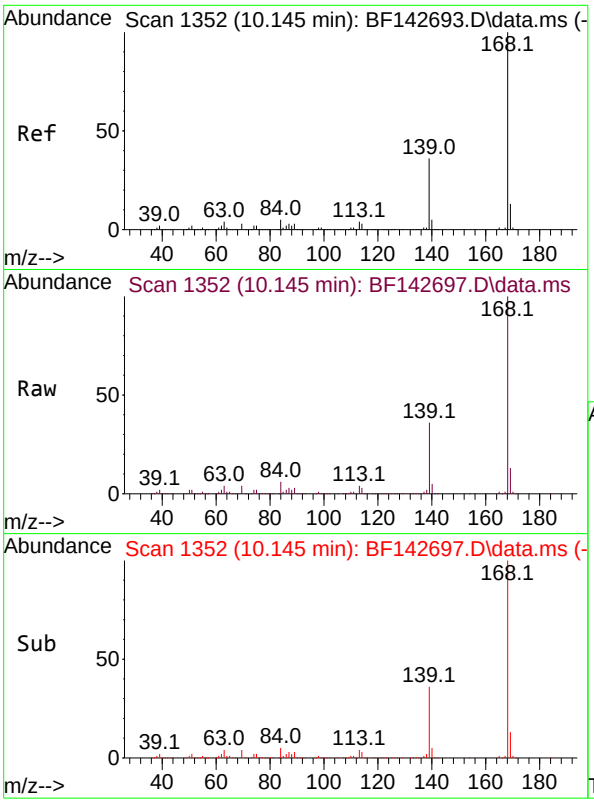


#54
2,4-Dinitrophenol
Concen: 42.186 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:184 Resp: 66147

Ion	Ratio	Lower	Upper
184	100		
63	58.8	47.4	71.0
154	60.3	48.6	73.0



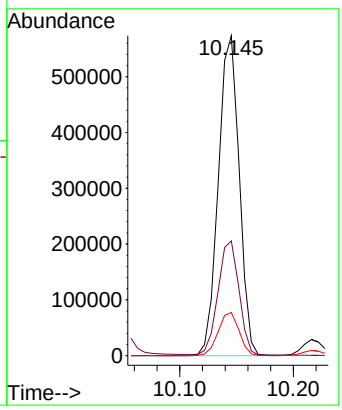


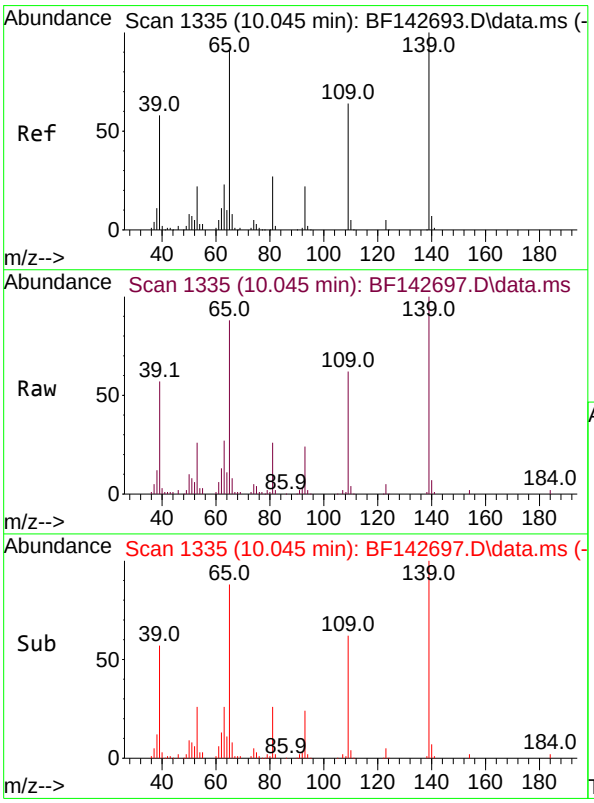
#55
Dibenzofuran
Concen: 44.341 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:168 Resp: 731172

Ion	Ratio	Lower	Upper
168	100		
139	35.8	29.2	43.8
169	13.5	10.7	16.1

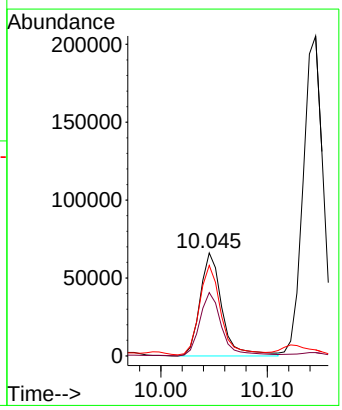


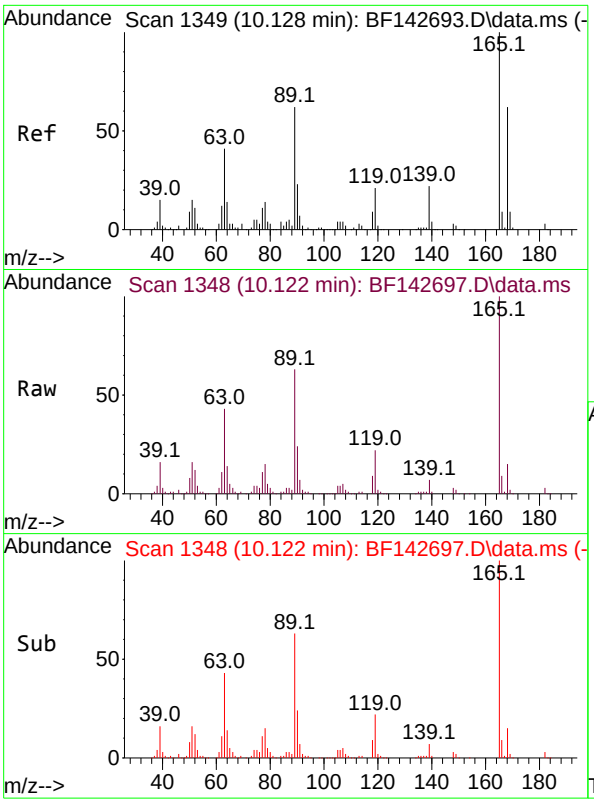


#56
4-Nitrophenol
Concen: 43.130 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:139 Resp: 94338

Ion	Ratio	Lower	Upper
139	100		
109	61.6	44.4	84.4
65	87.9	72.1	112.1



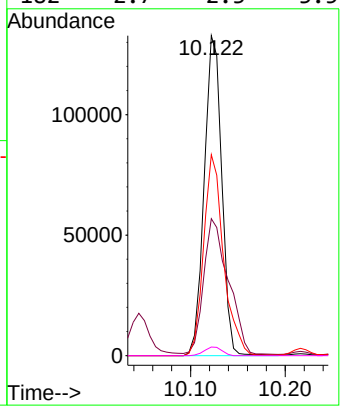


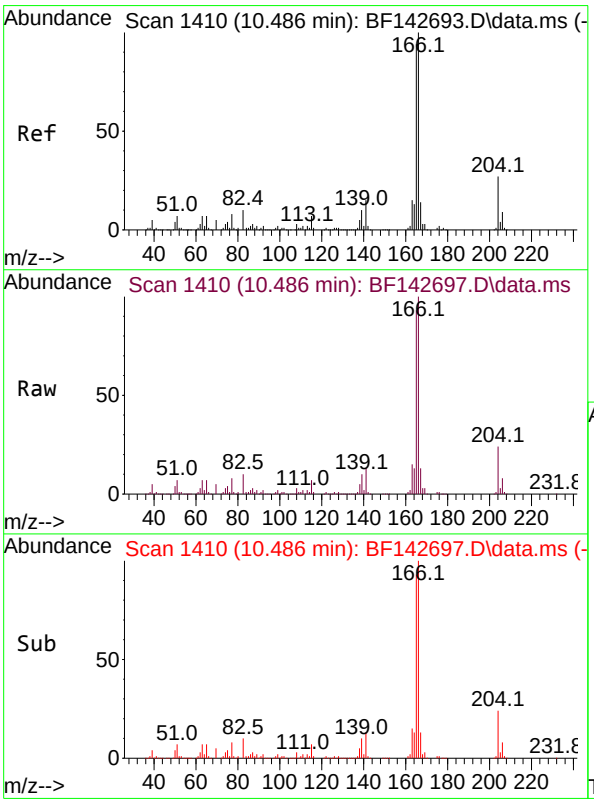
#57
2,4-Dinitrotoluene
Concen: 45.087 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:165 Resp: 171158

Ion	Ratio	Lower	Upper
165	100		
63	42.8	33.6	50.4
89	62.8	49.4	74.0
182	2.7	2.3	3.5

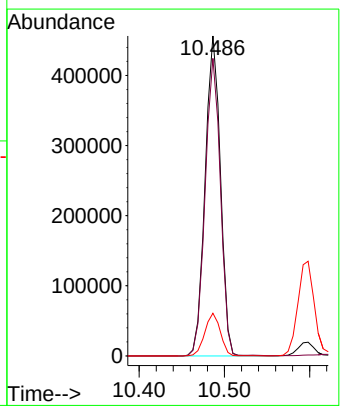


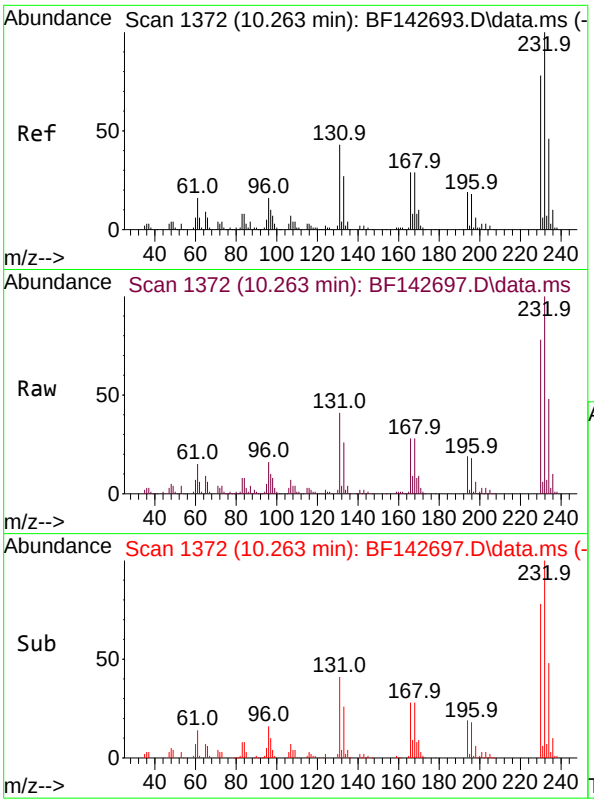


#58
Fluorene
Concen: 43.107 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:166 Resp: 568156

Ion	Ratio	Lower	Upper
166	100		
165	93.0	75.0	112.6
167	13.3	10.8	16.2



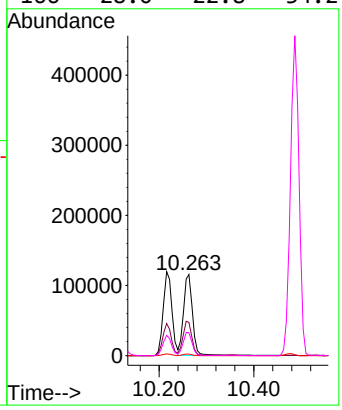


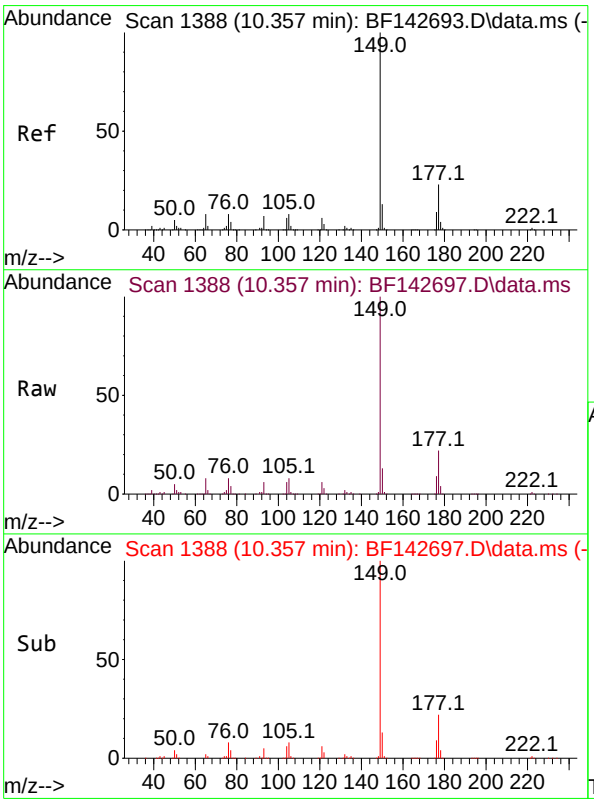
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.107 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:232 Resp: 152908

Ion	Ratio	Lower	Upper
232	100		
131	41.8	33.5	50.3
130	1.9	1.5	2.3
166	28.0	22.8	34.2

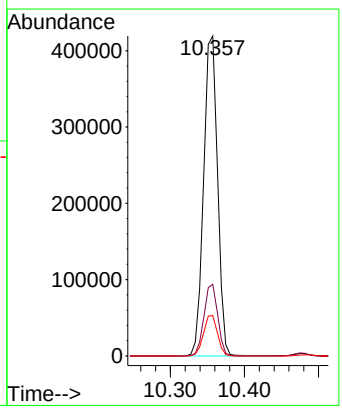


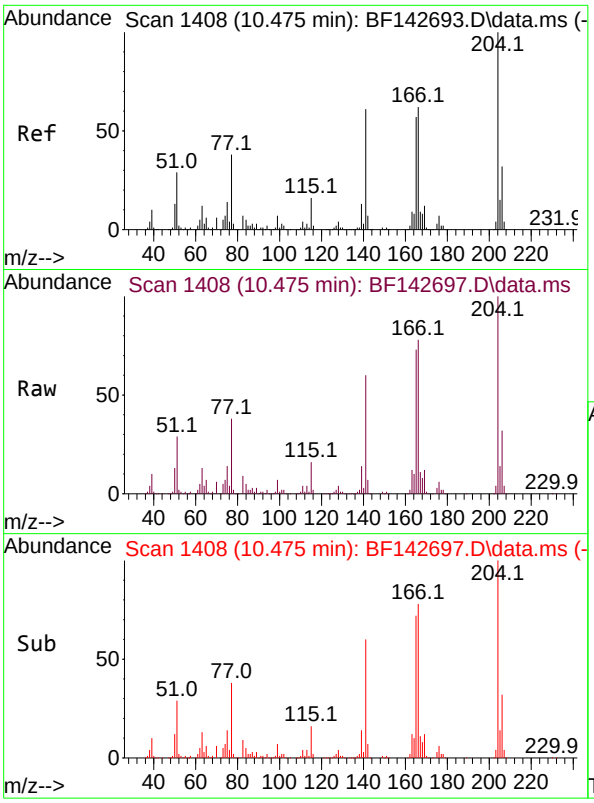


#60
Diethylphthalate
Concen: 43.074 ng
RT: 10.357 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:149 Resp: 547465

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.0	27.0
150	12.6	10.0	15.0



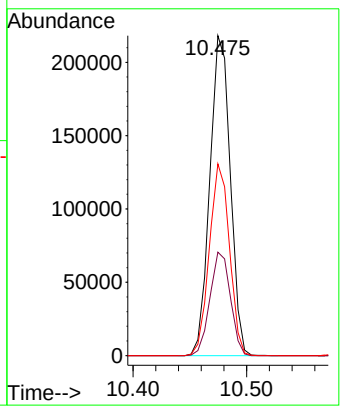


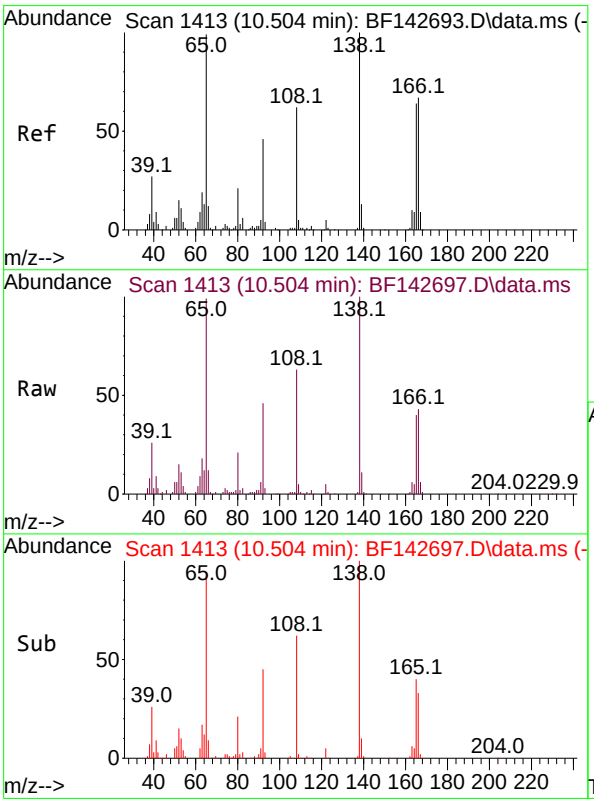
#61
4-Chlorophenyl-phenylether
Concen: 43.799 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:204 Resp: 272933

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	59.9	48.9	73.3

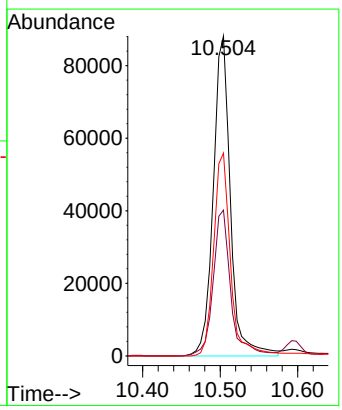


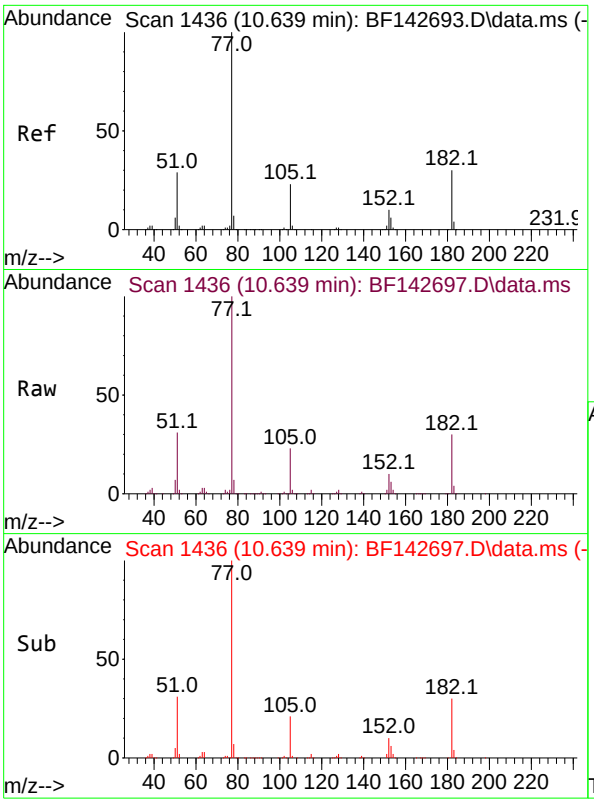


#62
4-Nitroaniline
Concen: 44.986 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:138 Resp: 135800

Ion	Ratio	Lower	Upper
138	100		
92	45.6	25.8	65.8
108	63.4	42.3	82.3



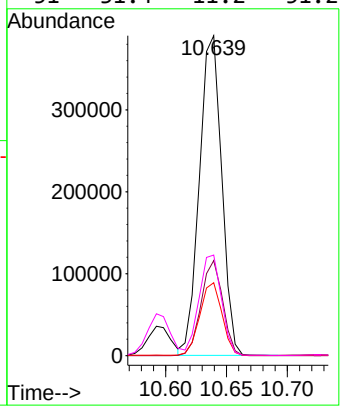


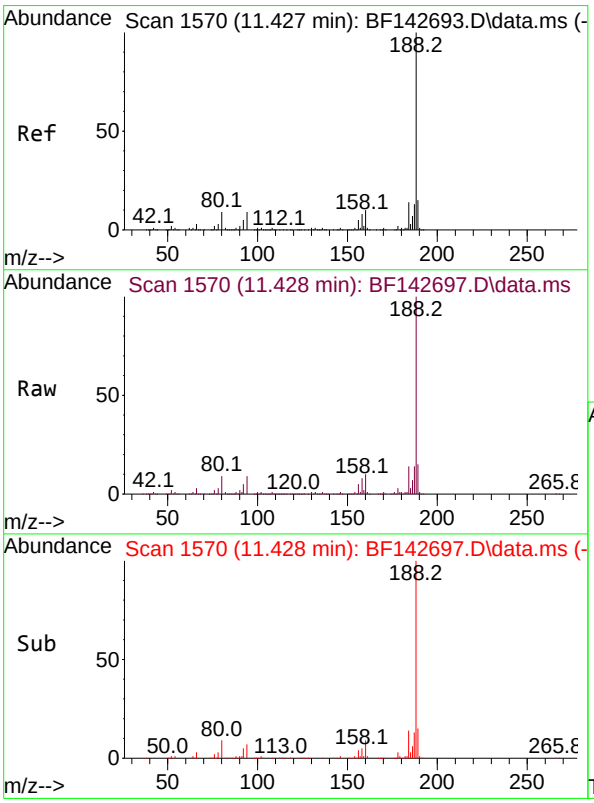
#63
Azobenzene
Concen: 43.709 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion: 77 Resp: 497629

Ion	Ratio	Lower	Upper
77	100		
182	29.7	9.5	49.5
105	22.8	2.3	42.3
51	31.4	11.2	51.2

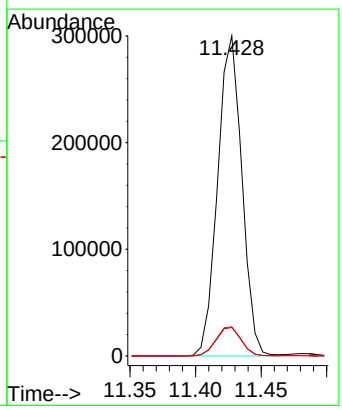


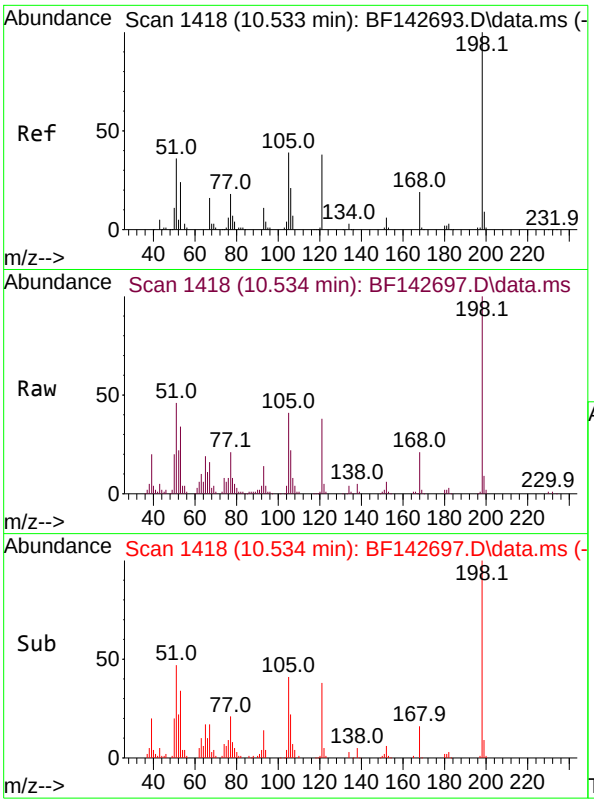


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:188 Resp: 385810

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.4
80	9.1	7.2	10.8



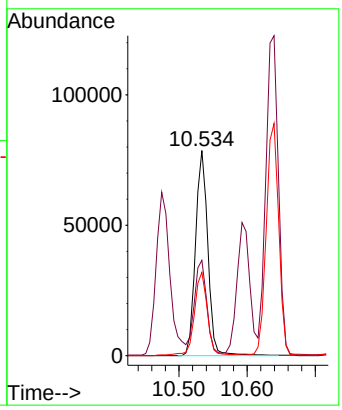


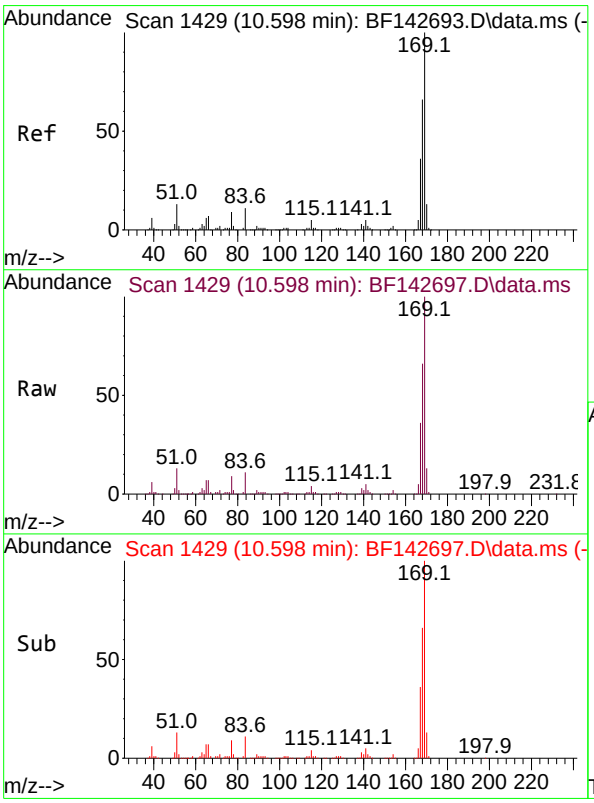
#65
4,6-Dinitro-2-methylphenol
Concen: 40.181 ng
RT: 10.534 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:198 Resp: 98873

Ion	Ratio	Lower	Upper
198	100		
51	46.5	25.9	65.9
105	40.6	20.0	60.0

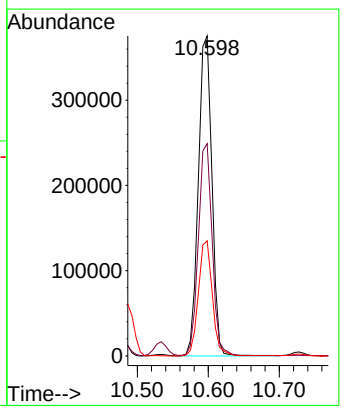


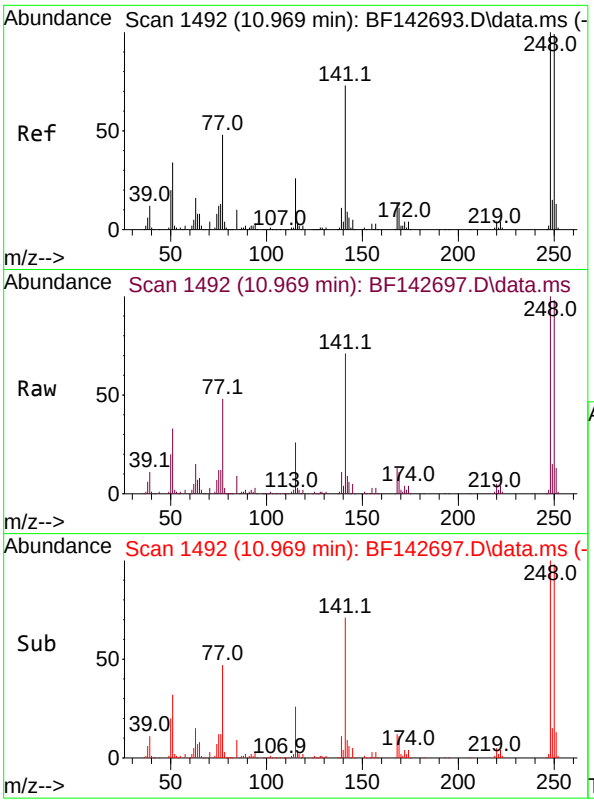


#66
n-Nitrosodiphenylamine
Concen: 39.768 ng
RT: 10.598 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:169 Resp: 495379

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.1	79.7
167	36.0	28.4	42.6



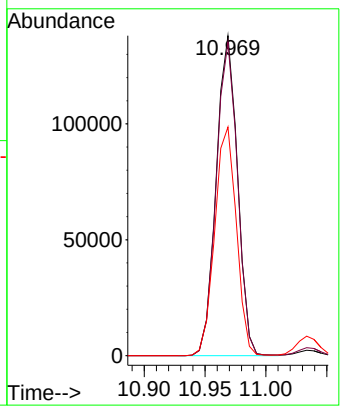


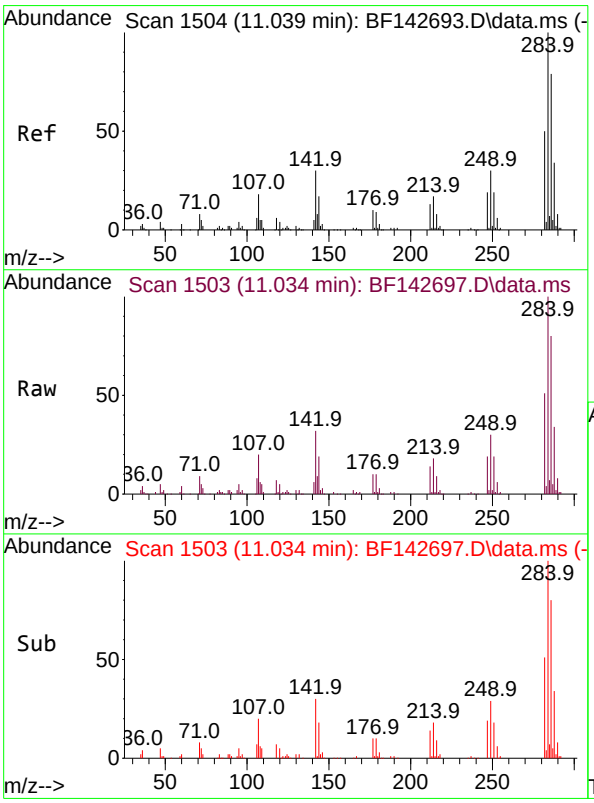
#67
4-Bromophenyl-phenylether
Concen: 39.457 ng
RT: 10.969 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:248 Resp: 168258

Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.1	118.7
141	71.4	58.5	87.7

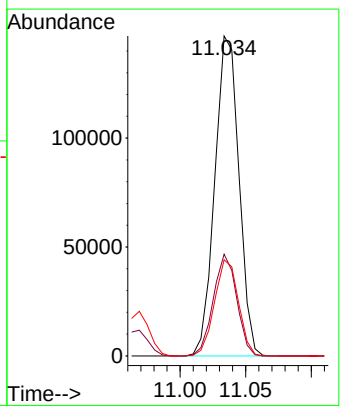


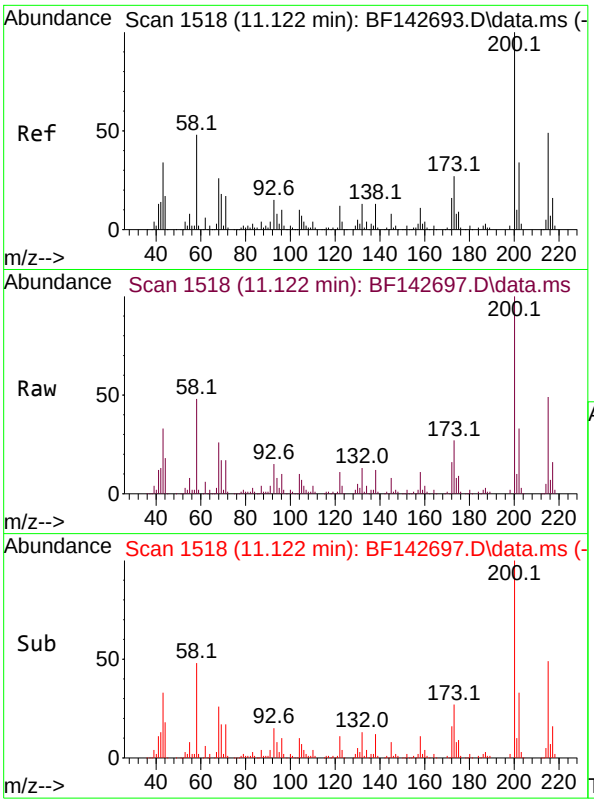


#68
Hexachlorobenzene
Concen: 38.454 ng
RT: 11.034 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:284 Resp: 188424

Ion	Ratio	Lower	Upper
284	100		
142	31.8	23.6	35.4
249	30.0	23.8	35.8



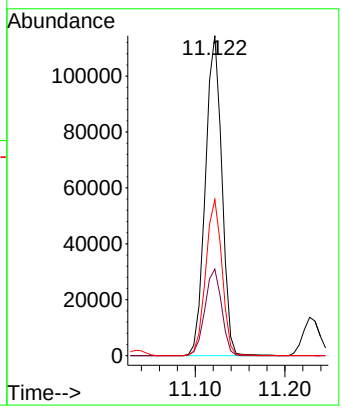


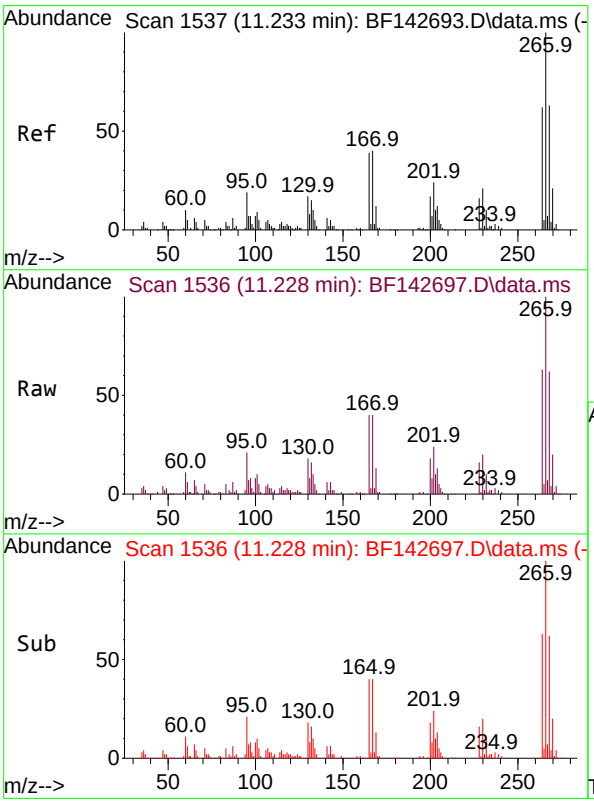
#69
Atrazine
Concen: 38.540 ng
RT: 11.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:200 Resp: 145590

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.4	47.4
215	48.8	28.9	68.9

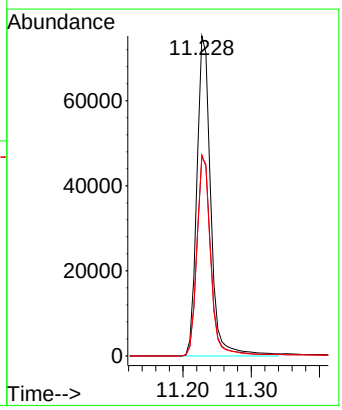


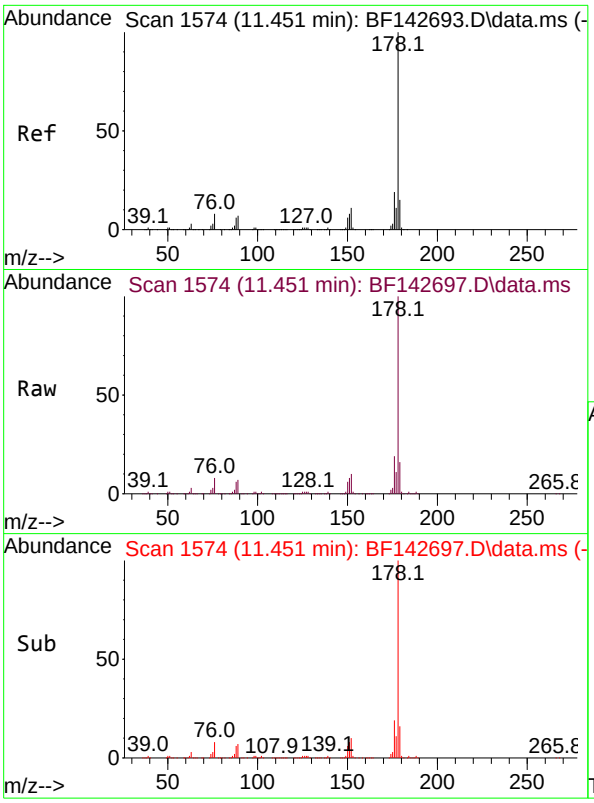


#70
Pentachlorophenol
Concen: 39.532 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:266 Resp: 106526

Ion	Ratio	Lower	Upper
266	100		
268	62.3	50.8	76.2
264	62.8	49.7	74.5



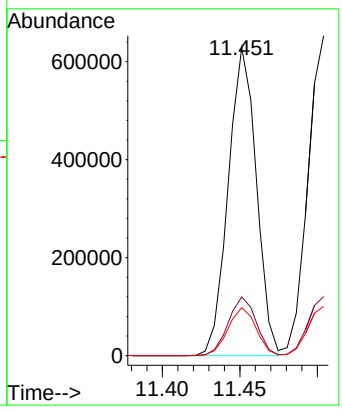


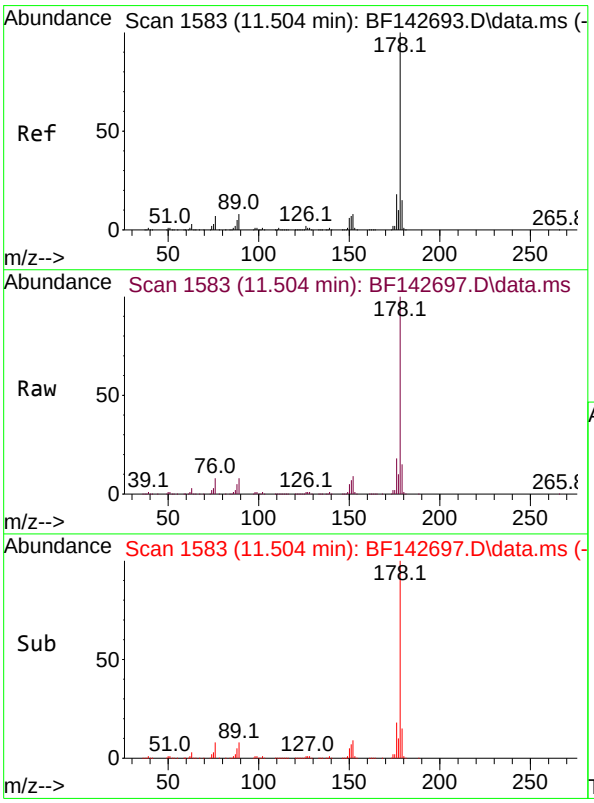
#71
Phenanthrene
Concen: 38.529 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:178 Resp: 794668

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.6	12.4	18.6

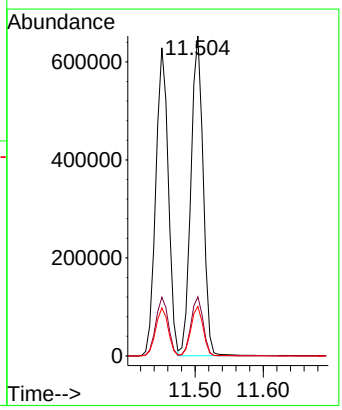


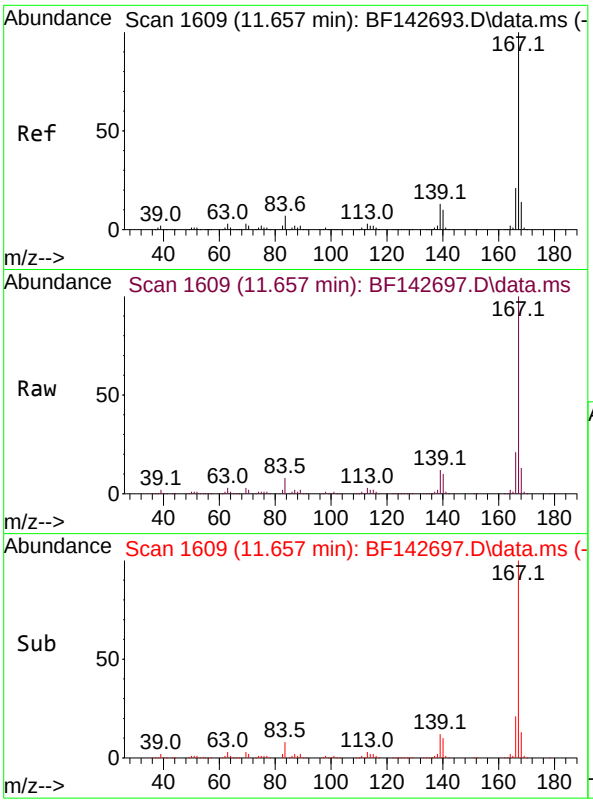


#72
Anthracene
Concen: 38.091 ng
RT: 11.504 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:178 Resp: 815309

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.2	18.2



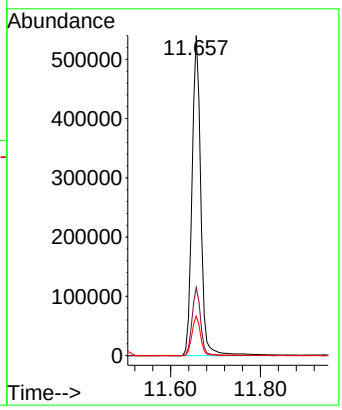


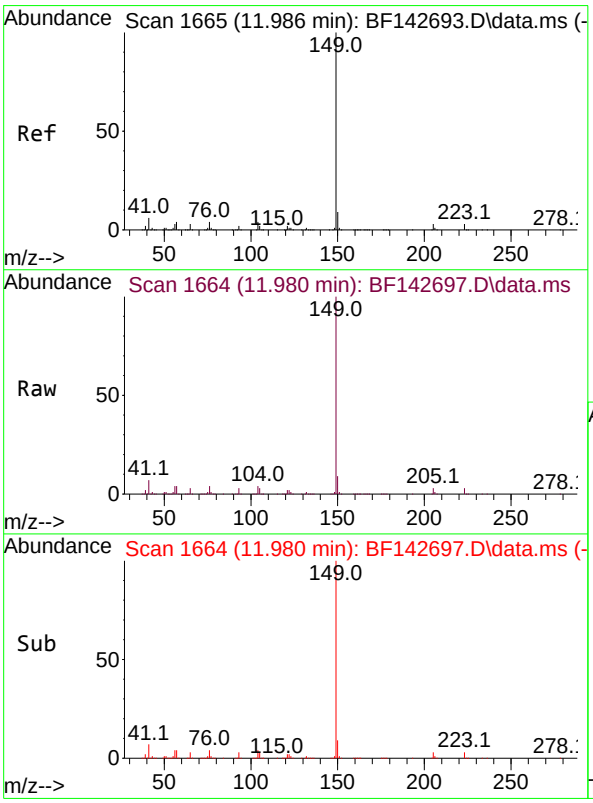
#73
Carbazole
Concen: 38.013 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:167 Resp: 732650

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	10.1	15.1

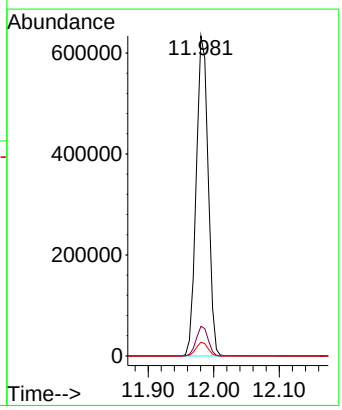


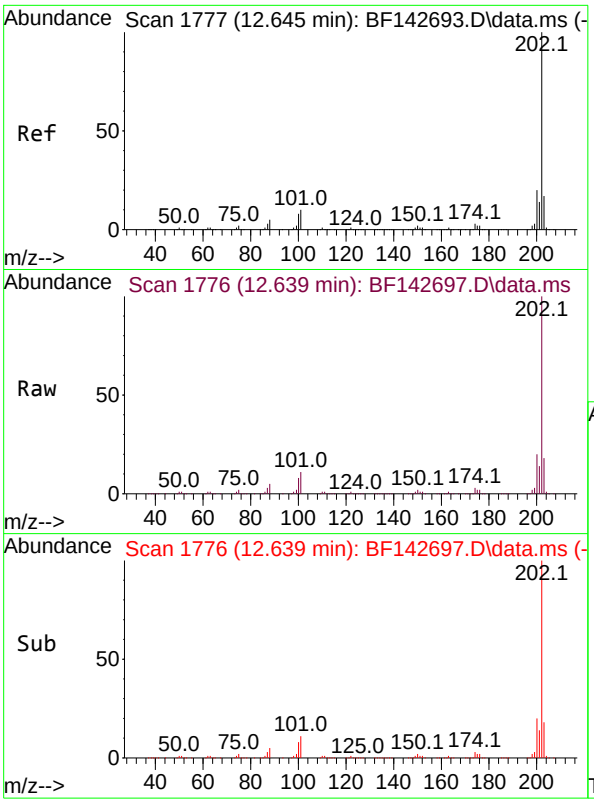


#74
Di-n-butylphthalate
Concen: 38.971 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:149 Resp: 797398

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.3	3.3	4.9



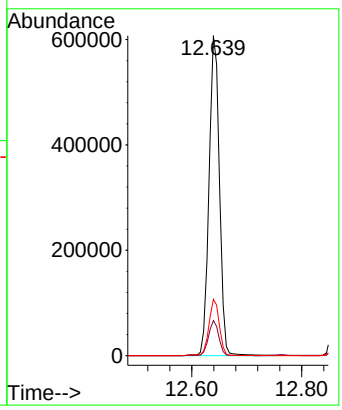


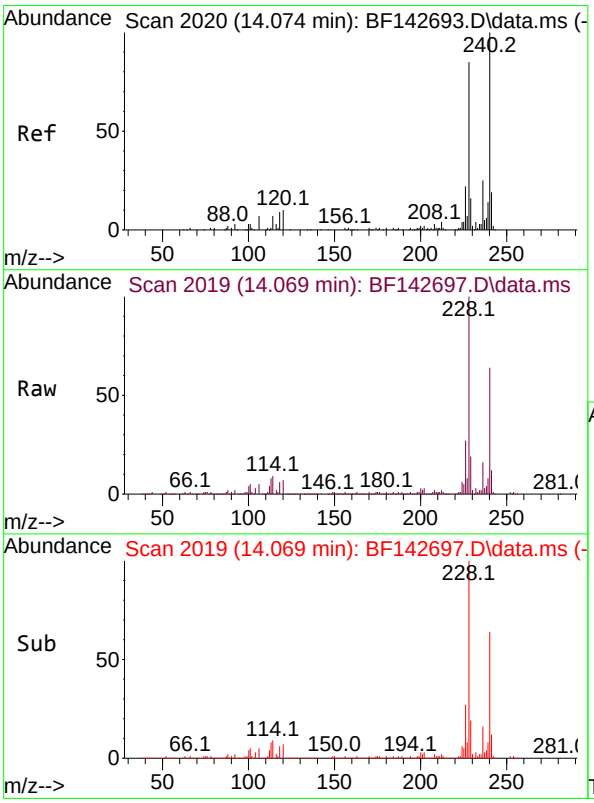
#75
Fluoranthene
Concen: 38.690 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:202 Resp: 799546

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.2
203	17.6	0.0	37.3

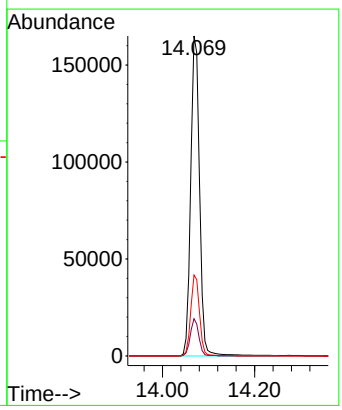


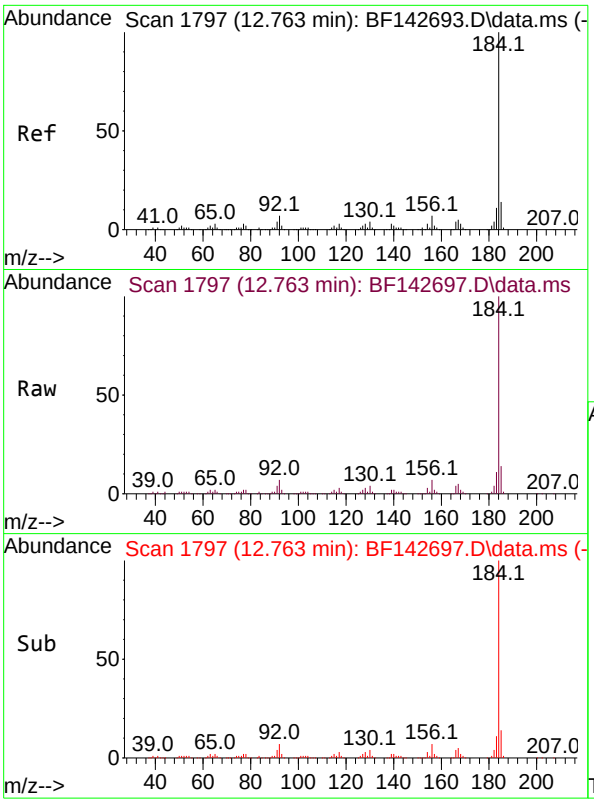


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:240 Resp: 221007

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.4	12.6
236	25.3	20.2	30.2



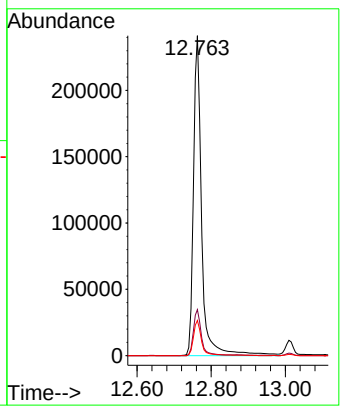


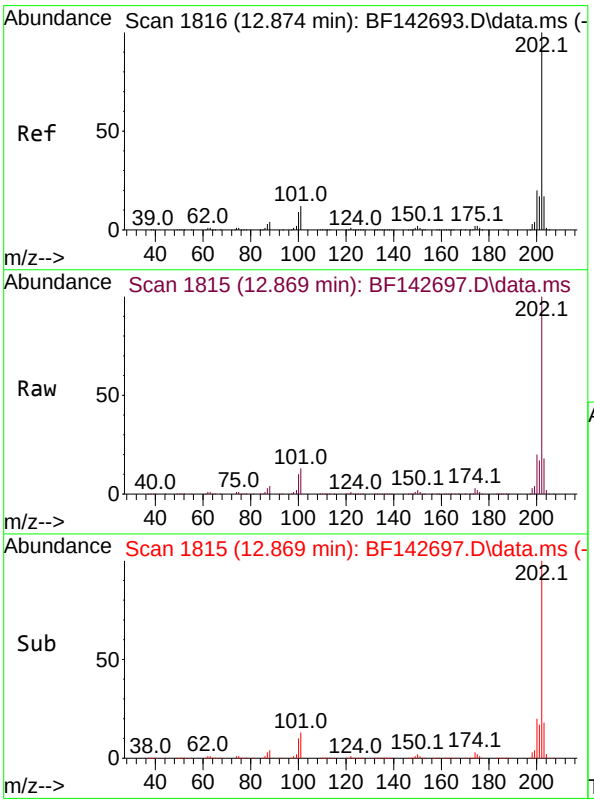
#77
Benzidine
Concen: 48.621 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:184 Resp: 370858

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.0	8.9	13.3

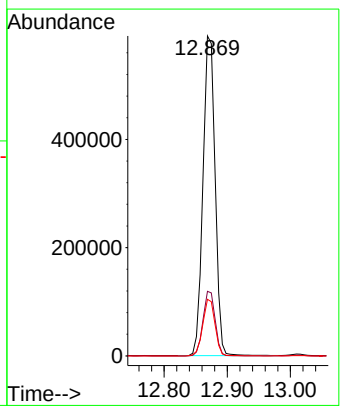


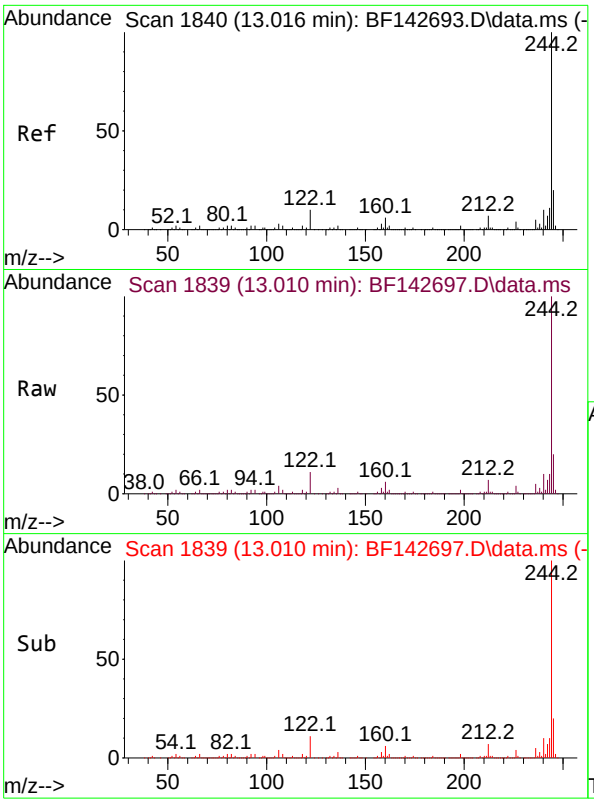


#78
Pyrene
Concen: 43.787 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:202 Resp: 788543

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.7	13.9	20.9



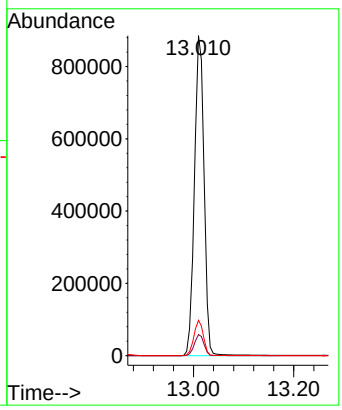


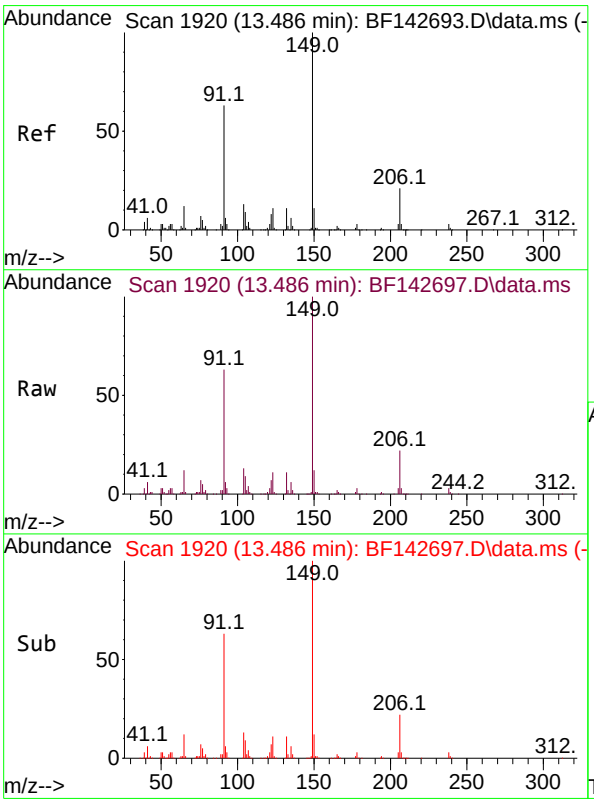
#79
Terphenyl-d14
Concen: 84.258 ng
RT: 13.010 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:244 Resp: 1177445

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.0	8.2	12.2

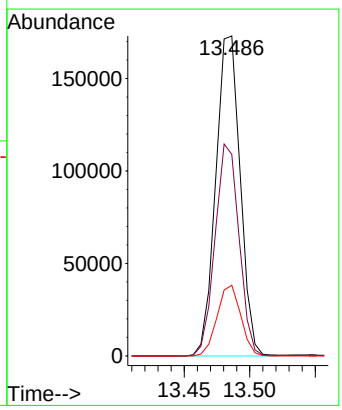


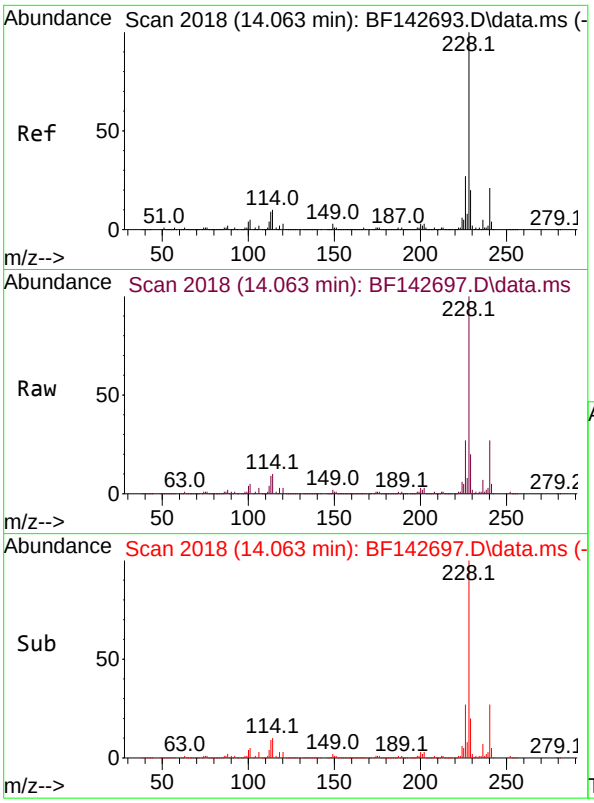


#80
Butylbenzylphthalate
Concen: 40.571 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:149 Resp: 224998

Ion	Ratio	Lower	Upper
149	100		
91	63.0	50.5	75.7
206	22.1	16.9	25.3



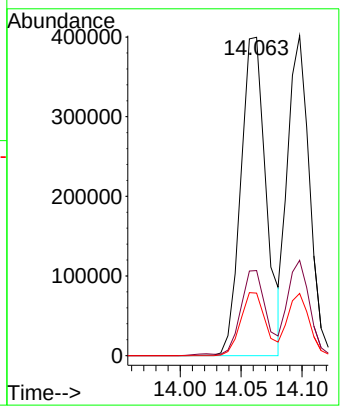


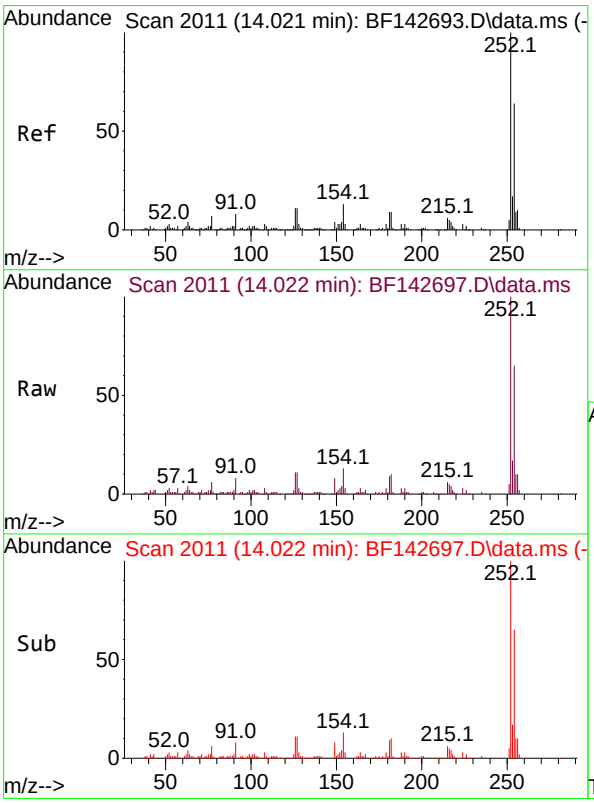
#81
Benzo(a)anthracene
Concen: 40.313 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:228 Resp: 578210

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.6	15.8	23.6

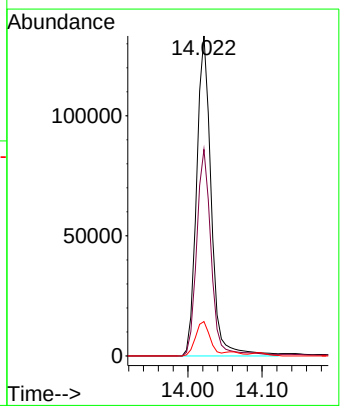


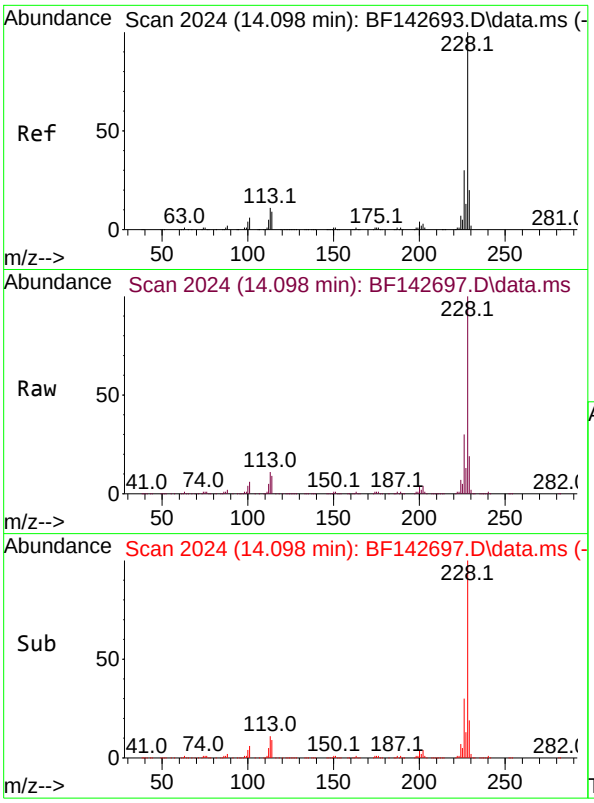


#82
3,3'-Dichlorobenzidine
Concen: 39.901 ng
RT: 14.022 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:252 Resp: 182938

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.2
126	10.7	9.1	13.7



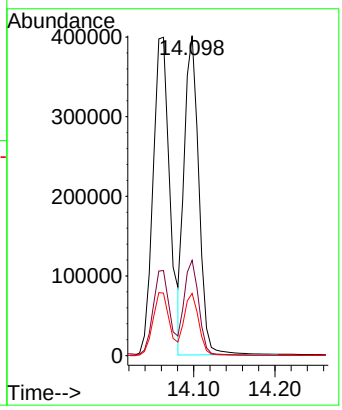


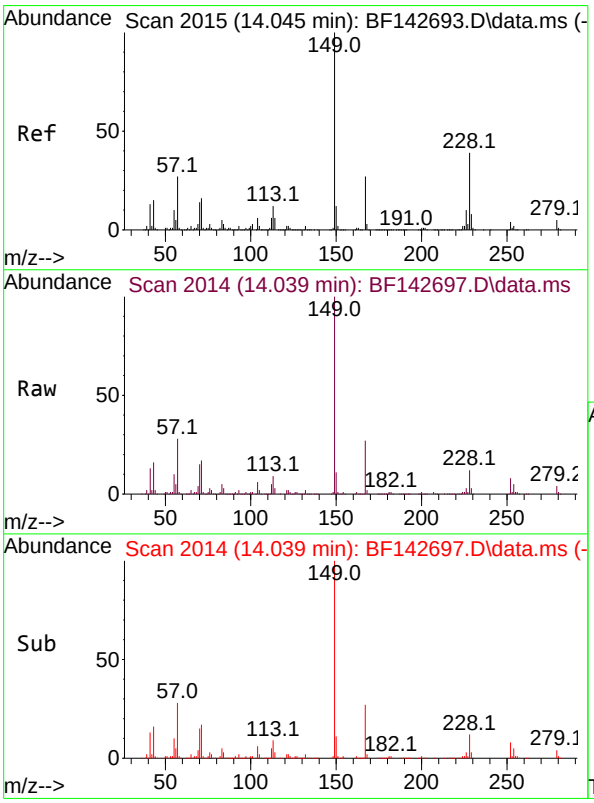
#83
Chrysene
Concen: 37.045 ng
RT: 14.098 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:228 Resp: 503279

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.4	15.8	23.6

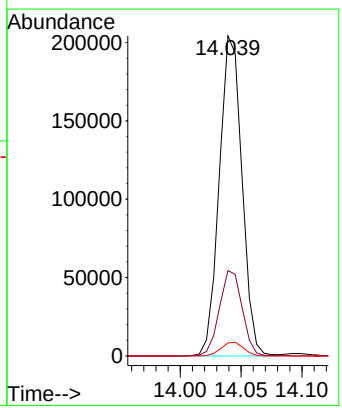


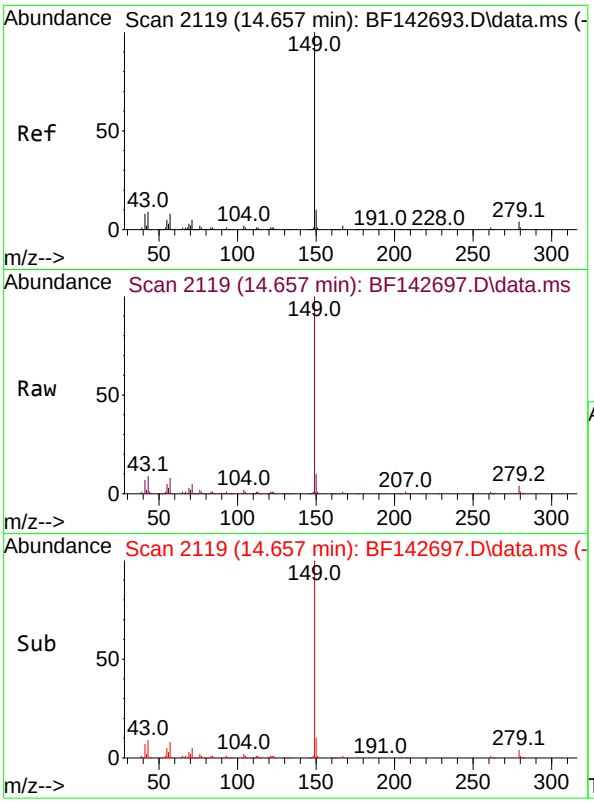


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.760 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:149 Resp: 264417

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.9	32.9
279	4.0	3.6	5.4



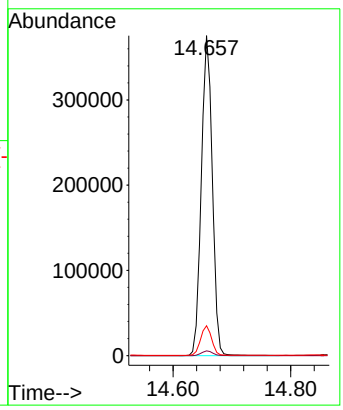


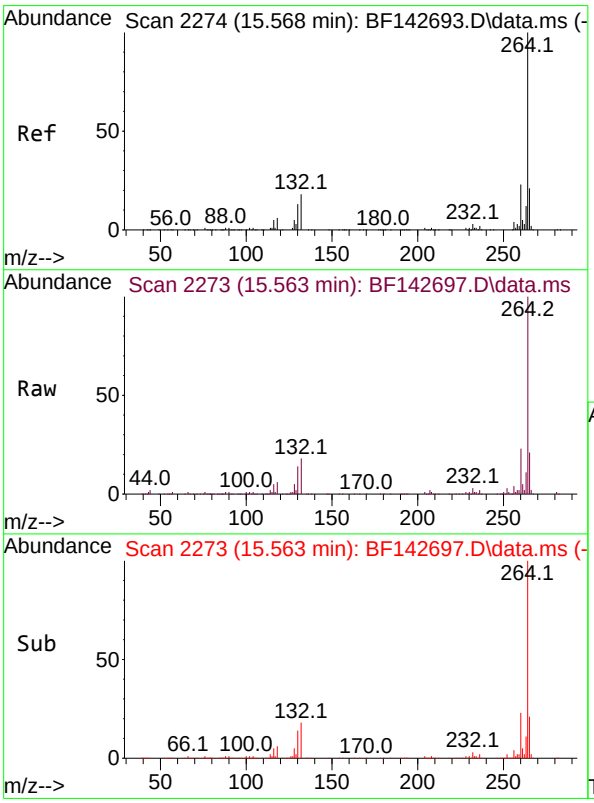
#85
Di-n-octyl phthalate
Concen: 39.464 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:149 Resp: 485987

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.3	7.5	11.3

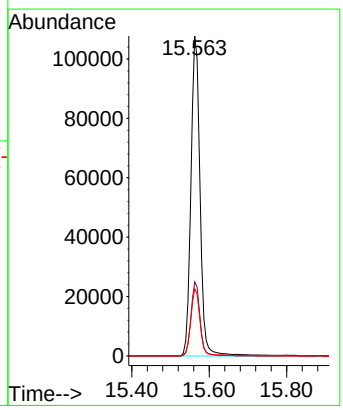


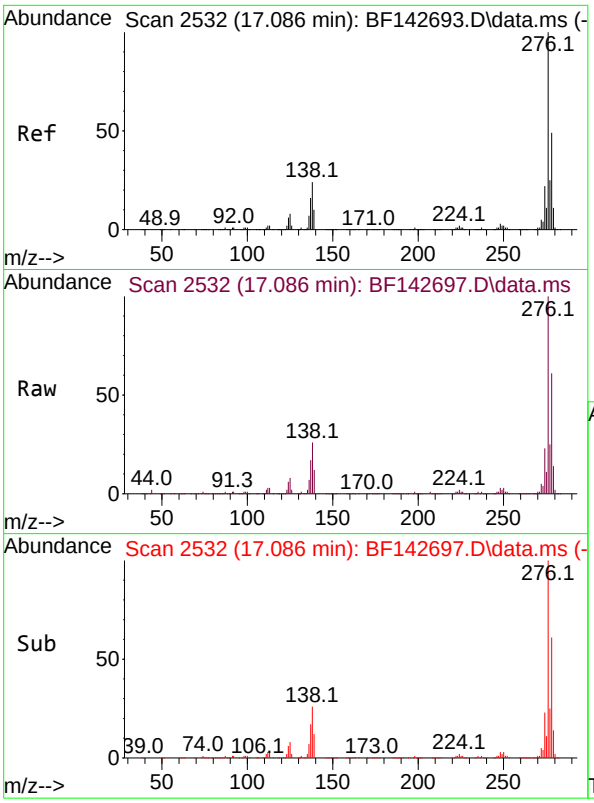


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:264 Resp: 176509

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.0	17.0	25.4



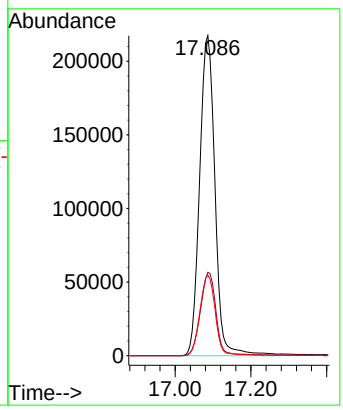


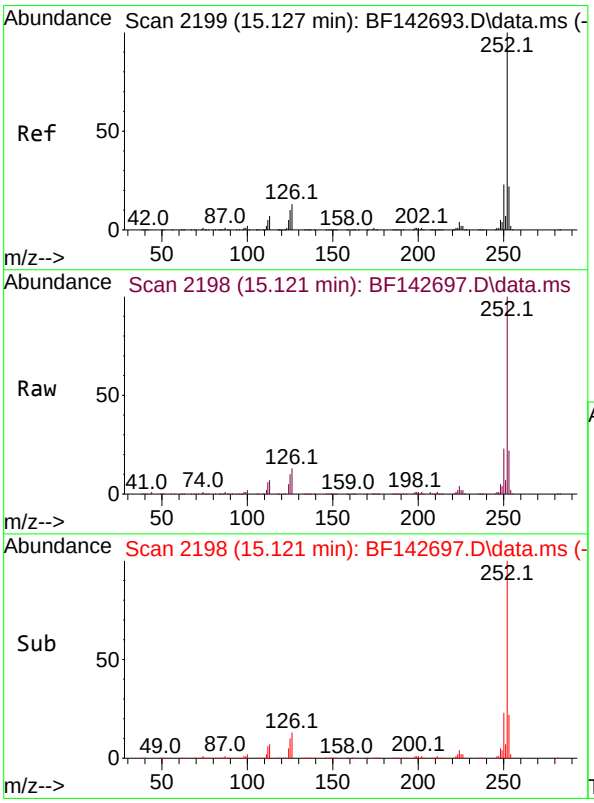
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.998 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:276 Resp: 611767

Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.8	31.2
277	25.2	20.2	30.2

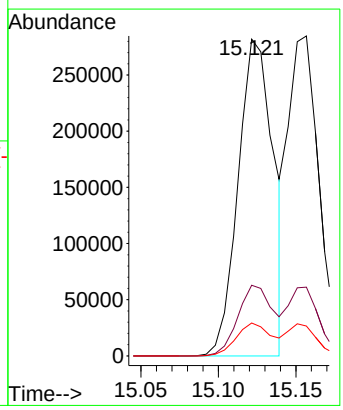


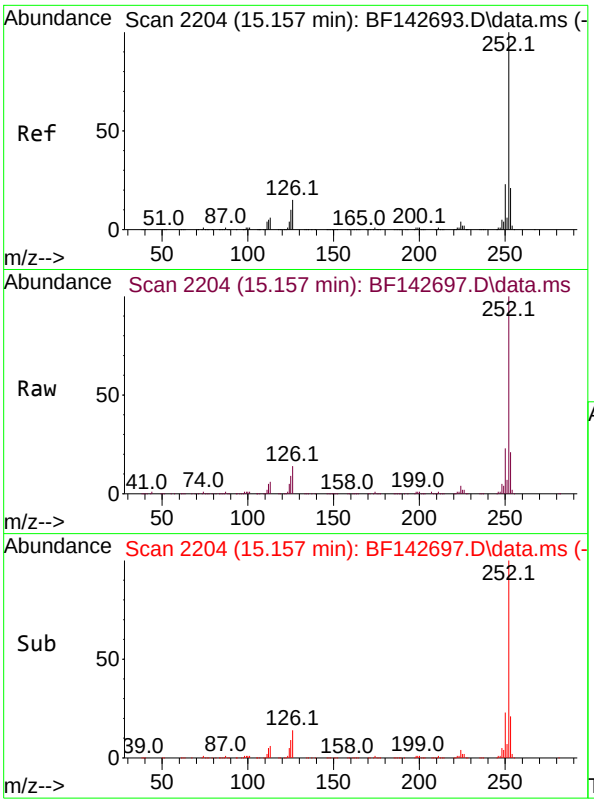


#88
Benzo(b)fluoranthene
Concen: 42.464 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:252 Resp: 447796

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.4	7.8	11.8



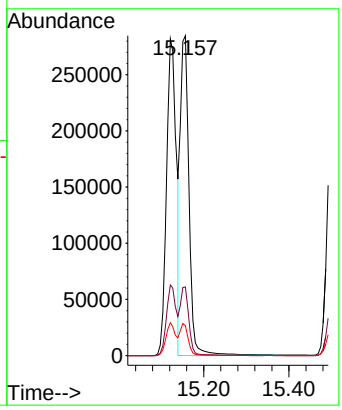


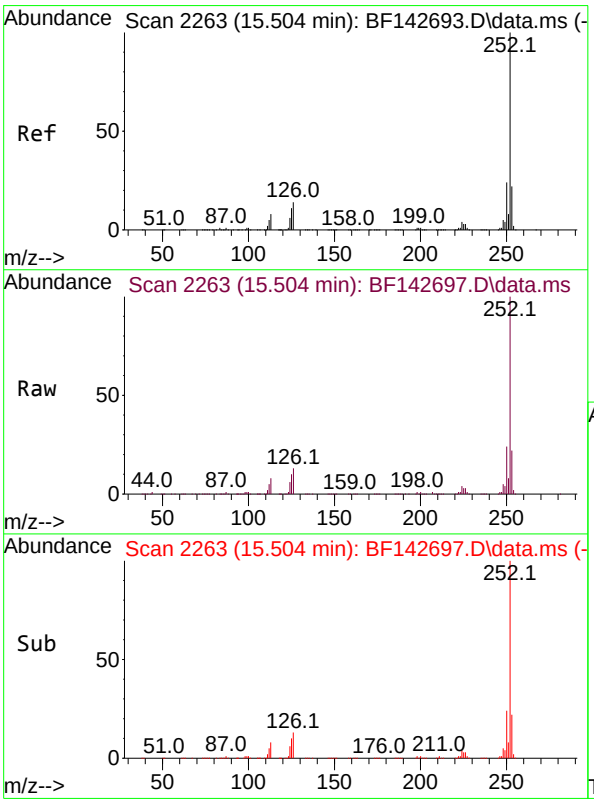
#89
Benzo(k)fluoranthene
Concen: 40.769 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:252 Resp: 404568

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	9.3	7.7	11.5

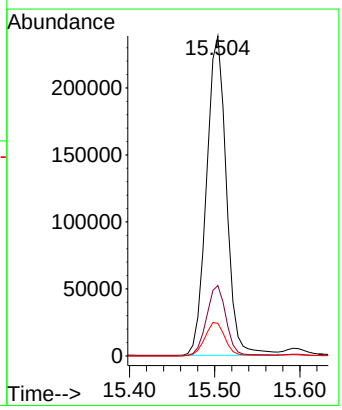


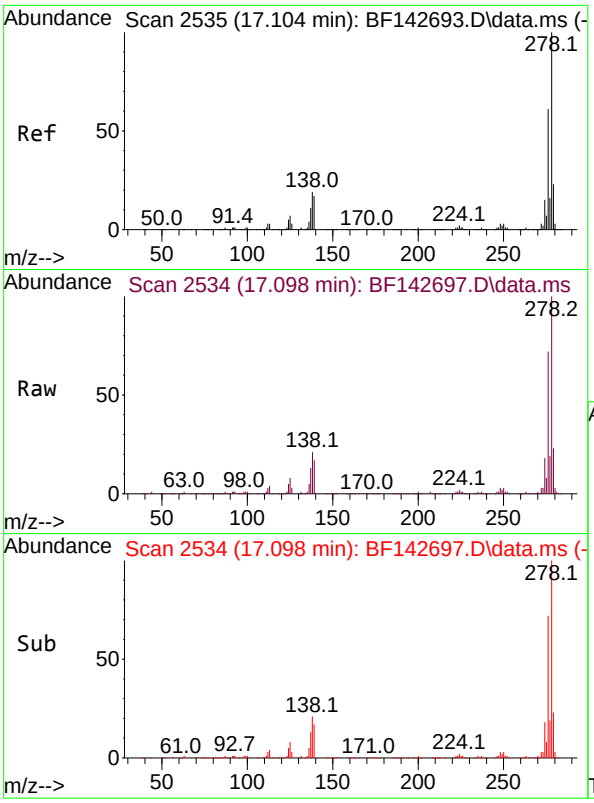


#90
Benzo(a)pyrene
Concen: 39.196 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:252 Resp: 387327

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.2	8.8	13.2



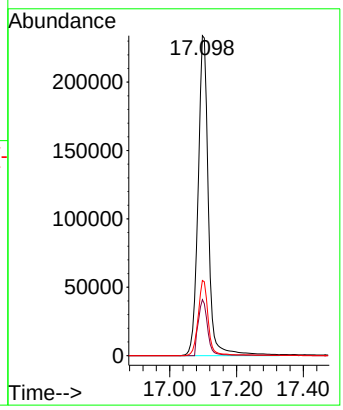


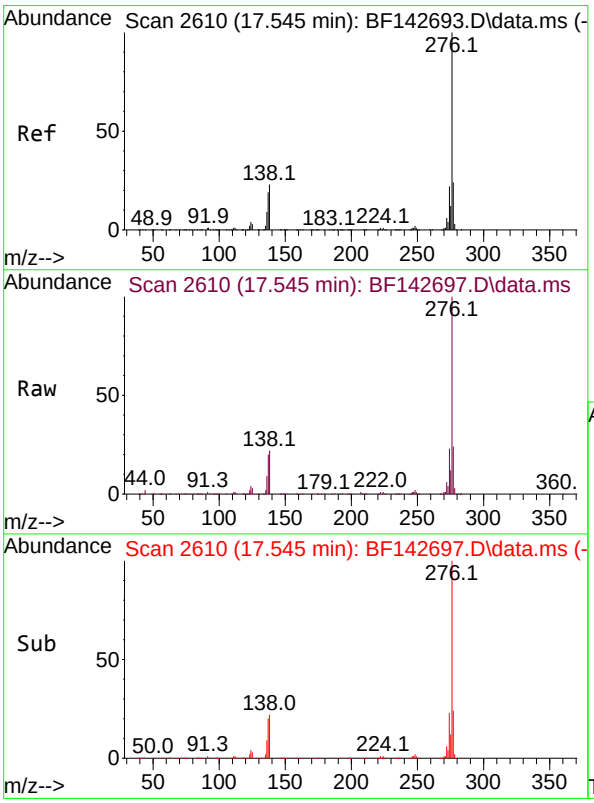
#91
Dibenzo(a,h)anthracene
Concen: 49.811 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Tgt Ion:278 Resp: 500646

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.4	20.0
279	23.5	18.7	28.1

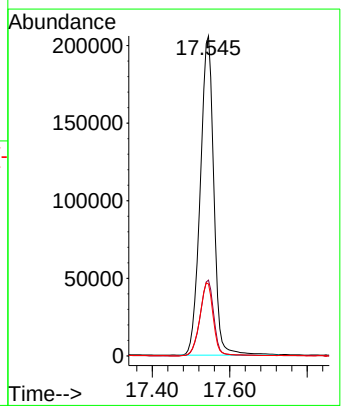




#92
Benzo(g,h,i)perylene
Concen: 47.968 ng
RT: 17.545 min Scan# 2610
Delta R.T. 0.000 min
Lab File: BF142697.D
Acq: 09 Jun 2025 17:30

Tgt Ion:276 Resp: 499240

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.5	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 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	85	0.00
2		1,4-Dioxane	0.451	0.474	-5.1	90	0.00
3		Pyridine	1.163	1.208	-3.9	89	0.00
4		n-Nitrosodimethylamine	0.566	0.587	-3.7	90	-0.02
5	S	2-Fluorophenol	1.178	1.172	0.5	87	0.00
6		Aniline	1.855	1.864	-0.5	86	0.00
7	S	Phenol-d6	1.381	1.380	0.1	85	-0.01
8		2-Chlorophenol	1.285	1.268	1.3	87	0.00
9		Benzaldehyde	0.779	0.818	-5.0	85	0.00
10	C	Phenol	1.547	1.564	-1.1	86	-0.01
11		bis(2-Chloroethyl)ether	1.127	1.095	2.8	84	0.00
12		1,3-Dichlorobenzene	1.439	1.408	2.2	85	0.00
13	C	1,4-Dichlorobenzene	1.472	1.438	2.3	85	0.00
14		1,2-Dichlorobenzene	1.403	1.370	2.4	84	0.00
15		Benzyl Alcohol	1.010	1.010	0.0	85	-0.01
16		2,2'-oxybis(1-Chloropropane	1.835	1.736	5.4	80	0.00
17		2-Methylphenol	0.985	0.977	0.8	84	0.00
18		Hexachloroethane	0.506	0.510	-0.8	89	0.00
19	P	n-Nitroso-di-n-propylamine	0.810	0.807	0.4	83	-0.01
20		3+4-Methylphenols	1.214	1.206	0.7	84	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22		Acetophenone	0.437	0.424	3.0	84	-0.01
23	S	Nitrobenzene-d5	0.364	0.358	1.6	87	0.00
24		Nitrobenzene	0.328	0.322	1.8	86	0.00
25		Isophorone	0.590	0.575	2.5	89	-0.01
26	C	2-Nitrophenol	0.181	0.183	-1.1	86	0.00
27		2,4-Dimethylphenol	0.308	0.304	1.3	88	-0.01
28		bis(2-Chloroethoxy)methane	0.370	0.357	3.5	82	0.00
29	C	2,4-Dichlorophenol	0.282	0.280	0.7	83	0.00
30		1,2,4-Trichlorobenzene	0.307	0.305	0.7	89	0.00
31		Naphthalene	0.986	0.966	2.0	86	0.00
32		Benzoic acid	0.187	0.181	3.2	84	-0.04
33		4-Chloroaniline	0.405	0.400	1.2	85	0.00
34	C	Hexachlorobutadiene	0.189	0.187	1.1	88	0.00
35		Caprolactam	0.087	0.085	2.3	87	-0.02
36	C	4-Chloro-3-methylphenol	0.291	0.292	-0.3	95	-0.01
37		2-Methylnaphthalene	0.620	0.620	0.0	95	0.00
38		1-Methylnaphthalene	0.642	0.643	-0.2	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.520	10.0	93	0.00
41	P	Hexachlorocyclopentadiene	0.339	0.321	5.3	94	0.00
42	S	2,4,6-Tribromophenol	0.225	0.247	-9.8	110	0.00
43	C	2,4,6-Trichlorophenol	0.379	0.350	7.7	92	0.00
44		2,4,5-Trichlorophenol	0.405	0.360	11.1	90	0.00
45	S	2-Fluorobiphenyl	1.462	1.300	11.1	92	0.00
46		1,1'-Biphenyl	1.555	1.399	10.0	90	0.00
47		2-Chloronaphthalene	1.165	1.056	9.4	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 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	0.347	0.320	7.8	89	-0.01
49		Acenaphthylene	1.931	1.856	3.9	95	0.00
50		Dimethylphthalate	1.346	1.221	9.3	91	-0.01
51		2,6-Dinitrotoluene	0.291	0.277	4.8	96	0.00
52	C	Acenaphthene	1.181	1.186	-0.4	98	0.00
53		3-Nitroaniline	0.327	0.323	1.2	97	0.00
54	P	2,4-Dinitrophenol	0.161	0.170	-5.6	101	0.00
55		Dibenzofuran	1.695	1.879	-10.9	111	0.00
56	P	4-Nitrophenol	0.225	0.242	-7.6	104	-0.01
57		2,4-Dinitrotoluene	0.390	0.440	-12.8	110	-0.01
58		Fluorene	1.355	1.460	-7.7	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.393	-15.2	109	0.00
60		Diethylphthalate	1.306	1.407	-7.7	110	0.00
61		4-Chlorophenyl-phenylether	0.640	0.701	-9.5	110	0.00
62		4-Nitroaniline	0.310	0.349	-12.6	109	-0.01
63		Azobenzene	1.170	1.279	-9.3	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.128	0.0	109	-0.01
66	c	n-Nitrosodiphenylamine	0.646	0.642	0.6	116	0.00
67		4-Bromophenyl-phenylether	0.221	0.218	1.4	116	0.00
68		Hexachlorobenzene	0.254	0.244	3.9	113	0.00
69		Atrazine	0.196	0.189	3.6	111	0.00
70	C	Pentachlorophenol	0.140	0.138	1.4	106	0.00
71		Phenanthrene	1.069	1.030	3.6	122	0.00
72		Anthracene	1.110	1.057	4.8	120	0.00
73		Carbazole	0.999	0.949	5.0	116	0.00
74		Di-n-butylphthalate	1.061	1.033	2.6	111	0.00
75	C	Fluoranthene	1.071	1.036	3.3	107	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.690	0.839	-21.6	109	0.00
78		Pyrene	1.630	1.784	-9.4	115	0.00
79	S	Terphenyl-d14	1.265	1.332	-5.3	115	0.00
80		Butylbenzylphthalate	0.502	0.509	-1.4	100	0.00
81		Benzo(a)anthracene	1.298	1.308	-0.8	96	0.00
82		3,3'-Dichlorobenzidine	0.415	0.414	0.2	92	0.00
83		Chrysene	1.229	1.139	7.3	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.573	0.598	-4.4	94	0.00
85	c	Di-n-octyl phthalate	1.114	1.099	1.3	95	0.00
86	I	Perylene-d12	1.000	1.000	0.0	78	0.00
87		Indeno(1,2,3-cd)pyrene	1.415	1.733	-22.5	96	-0.01
88		Benzo(b)fluoranthene	1.195	1.268	-6.1	88	-0.01
89		Benzo(k)fluoranthene	1.124	1.146	-2.0	76	0.00
90	C	Benzo(a)pyrene	1.120	1.097	2.1	78	0.00
91		Dibenzo(a,h)anthracene	1.139	1.418	-24.5	99	-0.02
92		Benzo(g,h,i)perylene	1.179	1.414	-19.9	97	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 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	85	0.00
2		1,4-Dioxane	40.000	42.075	-5.2	90	0.00
3		Pyridine	40.000	41.529	-3.8	89	0.00
4		n-Nitrosodimethylamine	40.000	41.498	-3.7	90	-0.02
5	S	2-Fluorophenol	80.000	79.591	0.5	87	0.00
6		Aniline	40.000	40.202	-0.5	86	0.00
7	S	Phenol-d6	80.000	79.932	0.1	85	-0.01
8		2-Chlorophenol	40.000	39.454	1.4	87	0.00
9		Benzaldehyde	40.000	42.005	-5.0	85	0.00
10	C	Phenol	40.000	40.441	-1.1	86	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.868	2.8	84	0.00
12		1,3-Dichlorobenzene	40.000	39.129	2.2	85	0.00
13	C	1,4-Dichlorobenzene	40.000	39.089	2.3	85	0.00
14		1,2-Dichlorobenzene	40.000	39.046	2.4	84	0.00
15		Benzyl Alcohol	40.000	39.965	0.1	85	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.837	5.4	80	0.00
17		2-Methylphenol	40.000	39.651	0.9	84	0.00
18		Hexachloroethane	40.000	40.386	-1.0	89	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.854	0.4	83	-0.01
20		3+4-Methylphenols	40.000	39.736	0.7	84	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22		Acetophenone	40.000	38.750	3.1	84	-0.01
23	S	Nitrobenzene-d5	80.000	78.591	1.8	87	0.00
24		Nitrobenzene	40.000	39.247	1.9	86	0.00
25		Isophorone	40.000	38.930	2.7	89	-0.01
26	C	2-Nitrophenol	40.000	40.477	-1.2	86	0.00
27		2,4-Dimethylphenol	40.000	39.523	1.2	88	-0.01
28		bis(2-Chloroethoxy)methane	40.000	38.561	3.6	82	0.00
29	C	2,4-Dichlorophenol	40.000	39.730	0.7	83	0.00
30		1,2,4-Trichlorobenzene	40.000	39.694	0.8	89	0.00
31		Naphthalene	40.000	39.190	2.0	86	0.00
32		Benzoic acid	40.000	38.754	3.1	84	-0.04
33		4-Chloroaniline	40.000	39.531	1.2	85	0.00
34	C	Hexachlorobutadiene	40.000	39.509	1.2	88	0.00
35		Caprolactam	40.000	39.339	1.7	87	-0.02
36	C	4-Chloro-3-methylphenol	40.000	40.185	-0.5	95	-0.01
37		2-Methylnaphthalene	40.000	39.972	0.1	95	0.00
38		1-Methylnaphthalene	40.000	40.035	-0.1	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.007	10.0	93	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.884	5.3	94	0.00
42	S	2,4,6-Tribromophenol	80.000	87.845	-9.8	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.923	7.7	92	0.00
44		2,4,5-Trichlorophenol	40.000	35.518	11.2	90	0.00
45	S	2-Fluorobiphenyl	80.000	71.127	11.1	92	0.00
46		1,1'-Biphenyl	40.000	35.985	10.0	90	0.00
47		2-Chloronaphthalene	40.000	36.257	9.4	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	36.910	7.7	89	-0.01
49		Acenaphthylene	40.000	38.434	3.9	95	0.00
50		Dimethylphthalate	40.000	36.302	9.2	91	-0.01
51		2,6-Dinitrotoluene	40.000	38.049	4.9	96	0.00
52	C	Acenaphthene	40.000	40.166	-0.4	98	0.00
53		3-Nitroaniline	40.000	39.443	1.4	97	0.00
54	P	2,4-Dinitrophenol	40.000	42.186	-5.5	101	0.00
55		Dibenzofuran	40.000	44.341	-10.9	111	0.00
56	P	4-Nitrophenol	40.000	43.130	-7.8	104	-0.01
57		2,4-Dinitrotoluene	40.000	45.087	-12.7	110	-0.01
58		Fluorene	40.000	43.107	-7.8	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	46.107	-15.3	109	0.00
60		Diethylphthalate	40.000	43.074	-7.7	110	0.00
61		4-Chlorophenyl-phenylether	40.000	43.799	-9.5	110	0.00
62		4-Nitroaniline	40.000	44.986	-12.5	109	-0.01
63		Azobenzene	40.000	43.709	-9.3	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	122	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.181	-0.5	109	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.768	0.6	116	0.00
67		4-Bromophenyl-phenylether	40.000	39.457	1.4	116	0.00
68		Hexachlorobenzene	40.000	38.454	3.9	113	0.00
69		Atrazine	40.000	38.540	3.7	111	0.00
70	C	Pentachlorophenol	40.000	39.532	1.2	106	0.00
71		Phenanthrene	40.000	38.529	3.7	122	0.00
72		Anthracene	40.000	38.091	4.8	120	0.00
73		Carbazole	40.000	38.013	5.0	116	0.00
74		Di-n-butylphthalate	40.000	38.971	2.6	111	0.00
75	C	Fluoranthene	40.000	38.690	3.3	107	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	48.621	-21.6	109	0.00
78		Pyrene	40.000	43.787	-9.5	115	0.00
79	S	Terphenyl-d14	80.000	84.258	-5.3	115	0.00
80		Butylbenzylphthalate	40.000	40.571	-1.4	100	0.00
81		Benzo(a)anthracene	40.000	40.313	-0.8	96	0.00
82		3,3'-Dichlorobenzidine	40.000	39.901	0.2	92	0.00
83		Chrysene	40.000	37.045	7.4	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.760	-4.4	94	0.00
85	c	Di-n-octyl phthalate	40.000	39.464	1.3	95	0.00
86	I	Perylene-d12	20.000	20.000	0.0	78	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	48.998	-22.5	96	-0.01
88		Benzo(b)fluoranthene	40.000	42.464	-6.2	88	-0.01
89		Benzo(k)fluoranthene	40.000	40.769	-1.9	76	0.00
90	C	Benzo(a)pyrene	40.000	39.196	2.0	78	0.00
91		Dibenzo(a,h)anthracene	40.000	49.811	-24.5	99	-0.02
92		Benzo(g,h,i)perylene	40.000	47.968	-19.9	97	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142697.D
Acq On : 09 Jun 2025 17:30
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF060925

Quant Time: Jun 09 17:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 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: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: BNA_F Calibration Date/Time: 06/10/2025 09:39

Lab File ID: BF142701.D Init. Calib. Date(s): 06/09/2025 06/09/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:09 16:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.169		-0.8	
Phenol-d6	1.381	1.389		0.6	
Nitrobenzene-d5	0.364	0.361		-0.8	
Naphthalene	0.986	0.964		-2.2	
2-Methylnaphthalene	0.620	0.597		-3.7	
2-Fluorobiphenyl	1.462	1.415		-3.2	
Acenaphthylene	1.931	1.879		-2.7	
Acenaphthene	1.181	1.157		-2.0	20.0
Fluorene	1.355	1.285		-5.2	
2,4,6-Tribromophenol	0.225	0.215		-4.4	
Phenanthrene	1.069	1.023		-4.3	
Anthracene	1.110	1.066		-4.0	
Fluoranthene	1.071	1.067		-0.4	20.0
Pyrene	1.630	1.770		8.6	
Terphenyl-d14	1.265	1.356		7.2	
Benzo(a)anthracene	1.298	1.301		0.2	
Chrysene	1.229	1.150		-6.4	
Benzo(b)fluoranthene	1.195	1.209		1.2	
Benzo(k)fluoranthene	1.124	1.099		-2.2	
Benzo(a)pyrene	1.120	1.103		-1.5	20.0
Indeno(1,2,3-cd)pyrene	1.415	1.445		2.1	
Dibenzo(a,h)anthracene	1.139	1.178		3.4	
Benzo(g,h,i)perylene	1.179	1.192		1.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	82620	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	309806	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	166836	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	293543	20.000	ng	0.00
76) Chrysene-d12	14.068	240	175532	20.000	ng	0.00
86) Perylene-d12	15.562	264	161327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	386378	79.406	ng	0.00
7) Phenol-d6	6.522	99	459057	80.448	ng	-0.01
23) Nitrobenzene-d5	7.463	82	447427	79.369	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	143796	76.715	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	944312	77.406	ng	0.00
79) Terphenyl-d14	13.010	244	952131	85.786	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	81149	43.552	ng	98
3) Pyridine	3.446	79	205266	42.714	ng	99
4) n-Nitrosodimethylamine	3.398	42	97113	41.520	ng	99
6) Aniline	6.557	93	308382	40.253	ng	99
8) 2-Chlorophenol	6.681	128	210732	39.695	ng	99
9) Benzaldehyde	6.445	77	135557	42.139	ng	99
10) Phenol	6.539	94	257717	40.332	ng	98
11) bis(2-Chloroethyl)ether	6.628	93	183433	39.405	ng	99
12) 1,3-Dichlorobenzene	6.834	146	236576	39.791	ng	98
13) 1,4-Dichlorobenzene	6.916	146	240589	39.577	ng	99
14) 1,2-Dichlorobenzene	7.063	146	229935	39.669	ng	99
15) Benzyl Alcohol	7.034	79	167854	40.213	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	283979	37.463	ng	99
17) 2-Methylphenol	7.145	107	161567	39.689	ng	99
18) Hexachloroethane	7.410	117	83668	40.062	ng	100
19) n-Nitroso-di-n-propyla...	7.310	70	133750	39.986	ng	99
20) 3+4-Methylphenols	7.298	107	201537	40.199	ng	100
22) Acetophenone	7.304	105	266525	39.355	ng	99
24) Nitrobenzene	7.481	77	201694	39.673	ng	97
25) Isophorone	7.716	82	360361	39.401	ng	100
26) 2-Nitrophenol	7.792	139	111646	39.812	ng	94
27) 2,4-Dimethylphenol	7.828	122	189621	39.786	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	221587	38.628	ng	98
29) 2,4-Dichlorophenol	8.039	162	175582	40.213	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	188681	39.617	ng	100
31) Naphthalene	8.204	128	597261	39.123	ng	100
32) Benzoic acid	7.939	122	108596	37.574	ng	100
33) 4-Chloroaniline	8.251	127	246721	39.310	ng	100
34) Hexachlorobutadiene	8.316	225	115655	39.429	ng	99
35) Caprolactam	8.616	113	53055	39.561	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	177302	39.367	ng	100
37) 2-Methylnaphthalene	8.892	142	369720	38.489	ng	100
38) 1-Methylnaphthalene	8.992	142	378163	38.016	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	186896	38.764	ng	100
41) Hexachlorocyclopentadiene	9.045	237	115049	40.634	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	126788	40.077	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

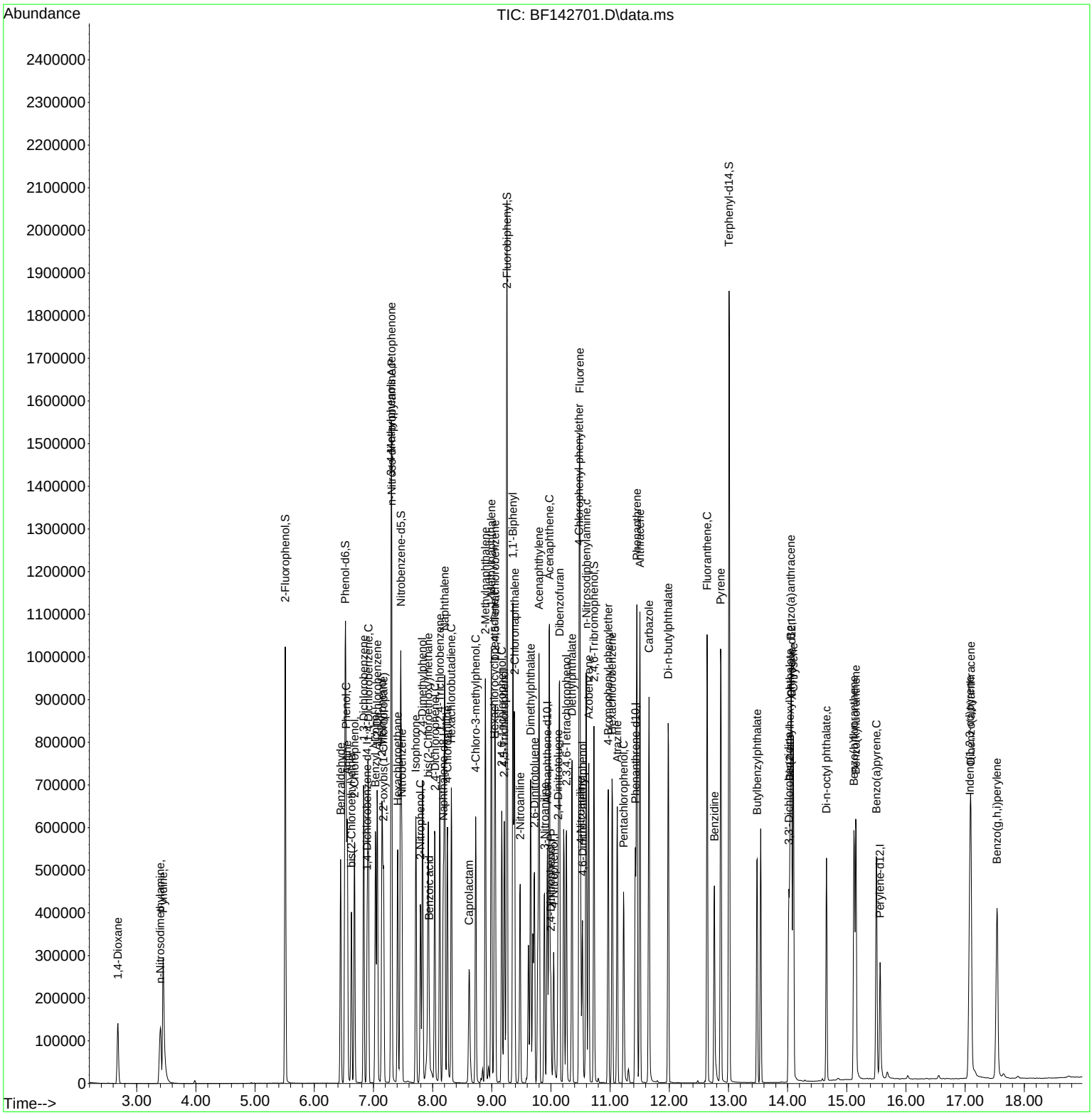
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	133219	39.425	ng	98
46) 1,1'-Biphenyl	9.357	154	495366	38.184	ng	100
47) 2-Chloronaphthalene	9.386	162	370171	38.082	ng	99
48) 2-Nitroaniline	9.480	65	111102	38.410	ng	99
49) Acenaphthylene	9.798	152	626846	38.910	ng	99
50) Dimethylphthalate	9.657	163	428367	38.162	ng	100
51) 2,6-Dinitrotoluene	9.722	165	94604	38.961	ng	99
52) Acenaphthene	9.975	154	385911	39.158	ng	99
53) 3-Nitroaniline	9.892	138	107677	39.465	ng	100
54) 2,4-Dinitrophenol	9.998	184	52632	39.150	ng	99
55) Dibenzofuran	10.145	168	552721	39.094	ng	99
56) 4-Nitrophenol	10.045	139	76625	40.859	ng	99
57) 2,4-Dinitrotoluene	10.122	165	128287	39.415	ng	96
58) Fluorene	10.486	166	428642	37.931	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	109391	38.472	ng	96
60) Diethylphthalate	10.357	149	418791	38.431	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	204309	38.240	ng	99
62) 4-Nitroaniline	10.504	138	102557	39.625	ng	96
63) Azobenzene	10.639	77	369655	37.868	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	71910	38.409	ng	97
66) n-Nitrosodiphenylamine	10.598	169	370457	39.088	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	124684	38.429	ng	99
68) Hexachlorobenzene	11.033	284	141680	38.003	ng	96
69) Atrazine	11.122	200	112142	39.017	ng	98
70) Pentachlorophenol	11.227	266	80951	39.484	ng	99
71) Phenanthrene	11.451	178	600773	38.283	ng	100
72) Anthracene	11.504	178	625814	38.428	ng	100
73) Carbazole	11.657	167	559884	38.179	ng	100
74) Di-n-butylphthalate	11.980	149	631001	40.532	ng	100
75) Fluoranthene	12.639	202	626640	39.855	ng	100
77) Benzidine	12.763	184	299213	49.390	ng	100
78) Pyrene	12.868	202	621389	43.445	ng	99
80) Butylbenzylphthalate	13.486	149	184382	41.860	ng	99
81) Benzo(a)anthracene	14.057	228	456637	40.085	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	142055	39.011	ng	99
83) Chrysene	14.098	228	403804	37.423	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	202723	40.311	ng	98
85) Di-n-octyl phthalate	14.657	149	357683	36.570	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	466281	40.860	ng	99
88) Benzo(b)fluoranthene	15.121	252	390125	40.476	ng	100
89) Benzo(k)fluoranthene	15.151	252	354548	39.091	ng	100
90) Benzo(a)pyrene	15.504	252	355908	39.406	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	380245	41.392	ng	99
92) Benzo(g,h,i)perylene	17.539	276	384516	40.422	ng	100

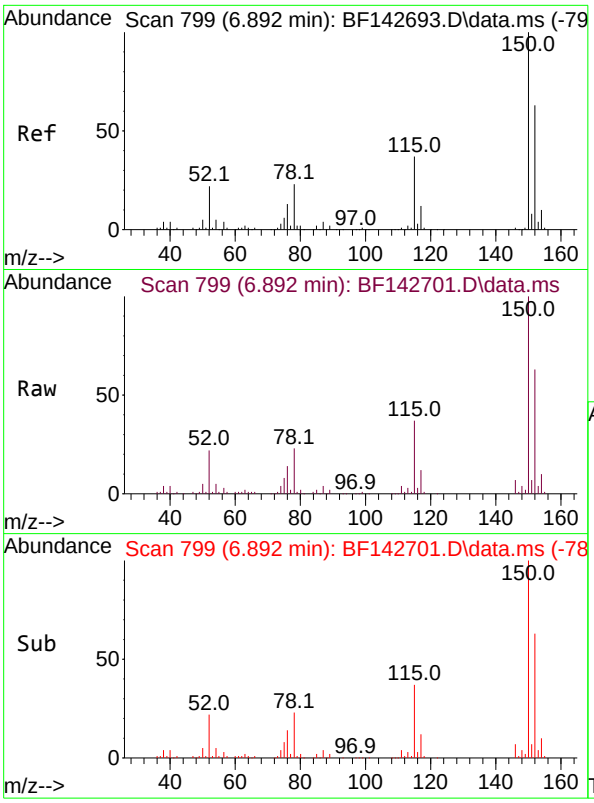
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



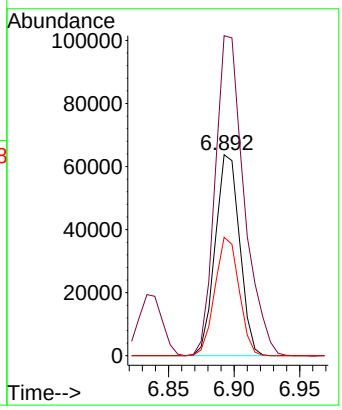


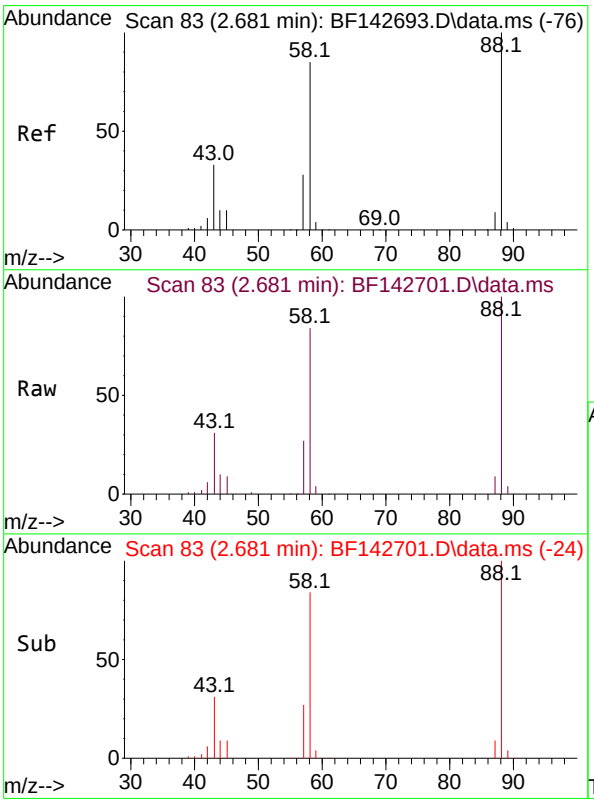
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 82620

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.8	190.2
115	58.9	46.8	70.2

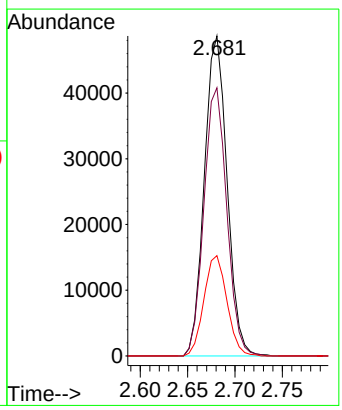


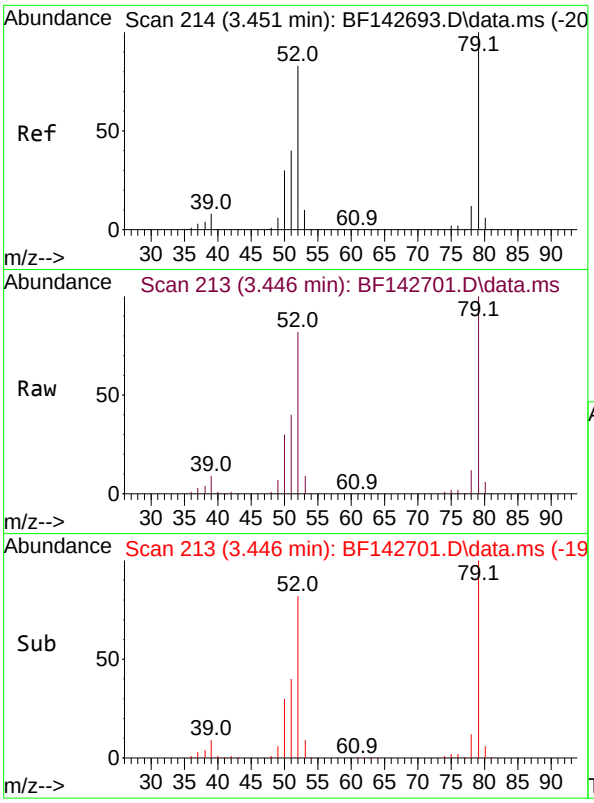


#2
1,4-Dioxane
Concen: 43.552 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 88 Resp: 81149

Ion	Ratio	Lower	Upper
88	100		
58	84.5	69.2	103.8
43	31.8	26.3	39.5



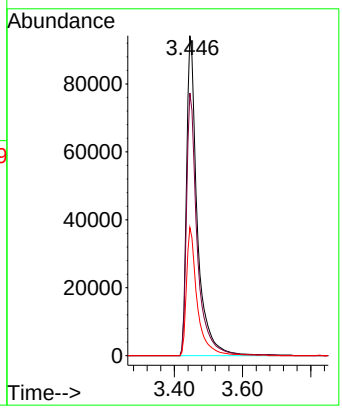


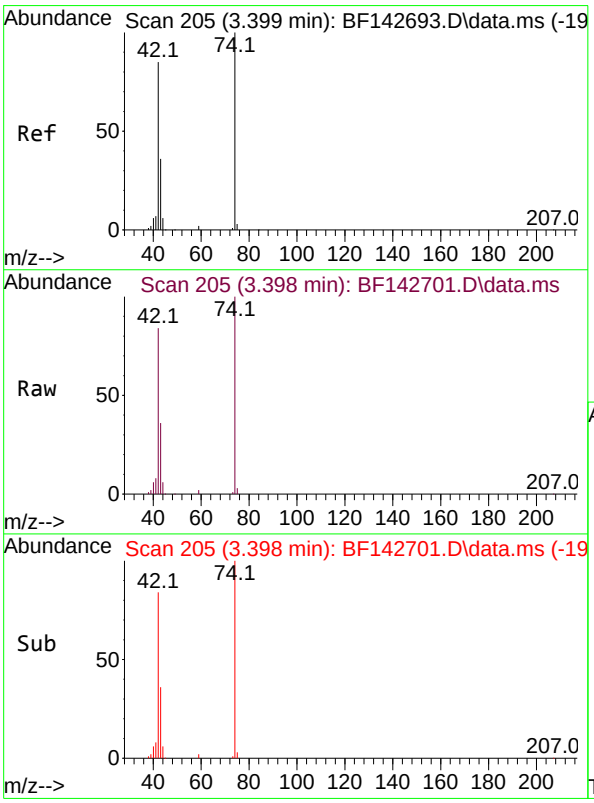
#3
Pyridine
Concen: 42.714 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 205266

Ion	Ratio	Lower	Upper
79	100		
52	82.1	66.6	99.8
51	40.0	31.7	47.5

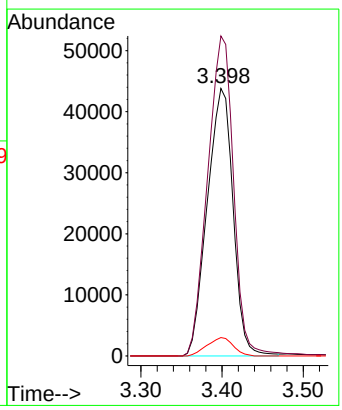


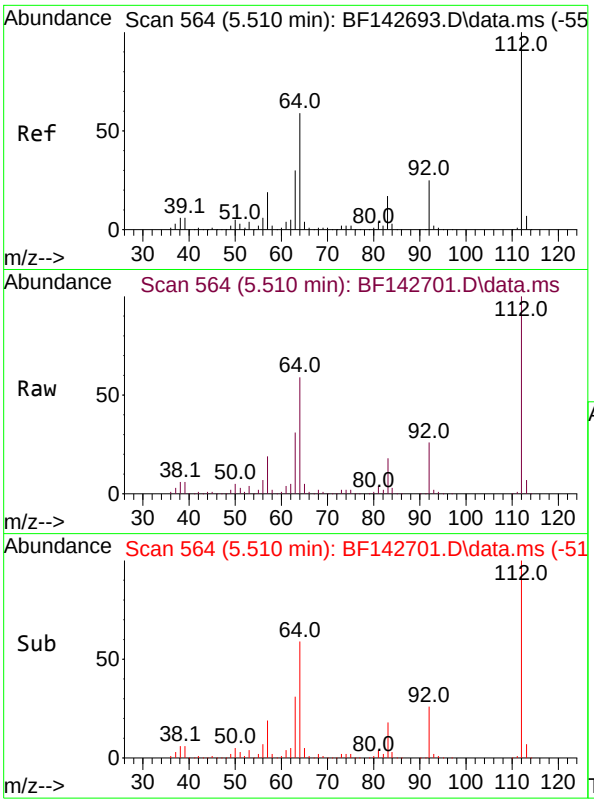


#4
n-Nitrosodimethylamine
Concen: 41.520 ng
RT: 3.398 min Scan# 205
Delta R.T. -0.030 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 42 Resp: 97113

Ion	Ratio	Lower	Upper
42	100		
74	119.6	94.5	141.7
44	6.9	5.6	8.4



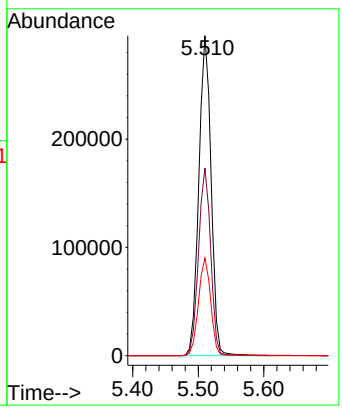


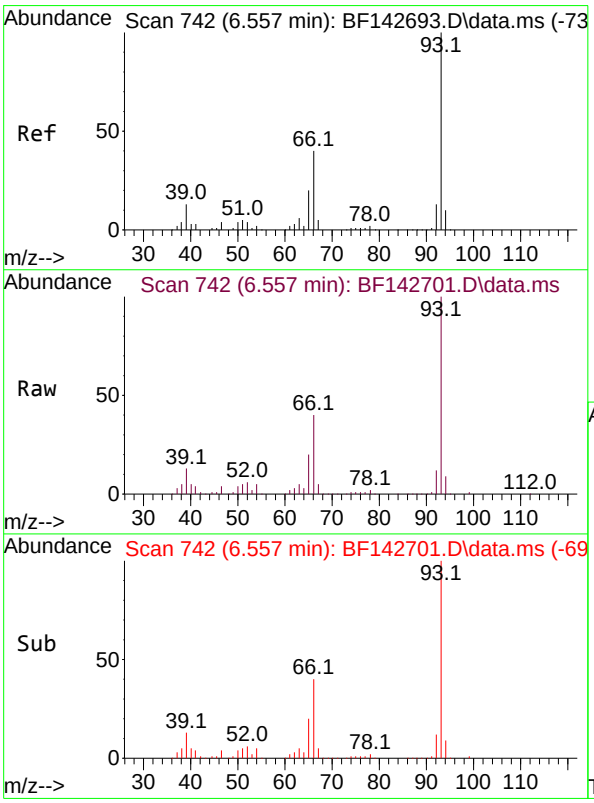
#5
2-Fluorophenol
Concen: 79.406 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 386378

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.9	70.3
63	30.5	24.3	36.5

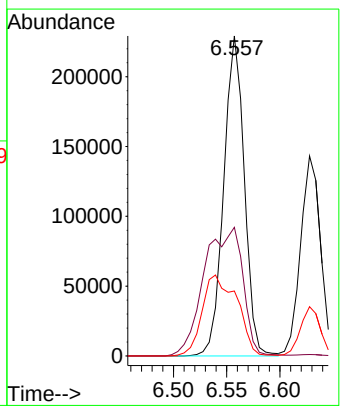


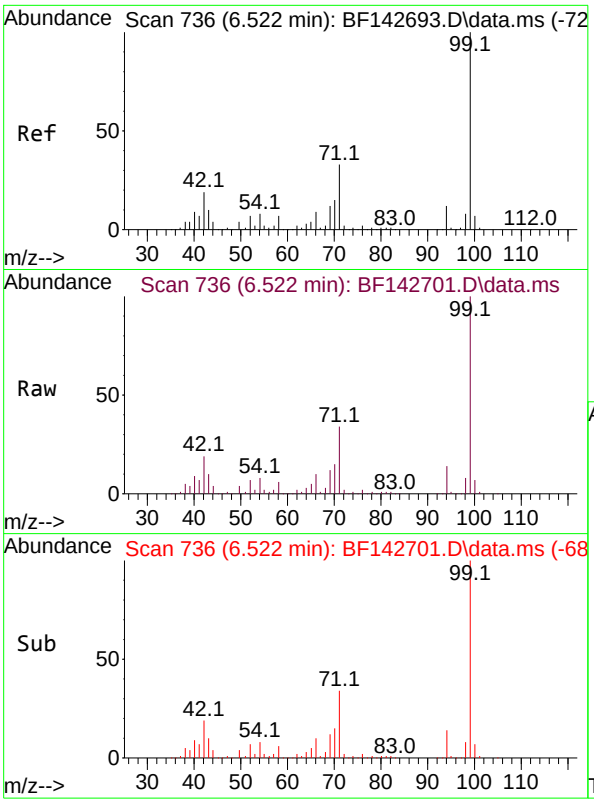


#6
Aniline
Concen: 40.253 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 93 Resp: 308382

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.8	49.2
65	20.3	16.4	24.6



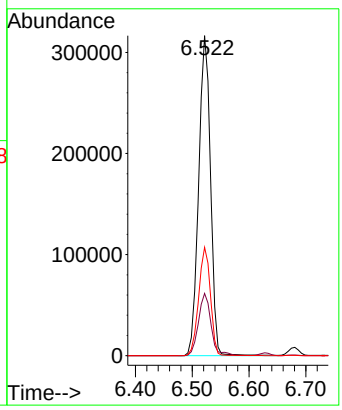


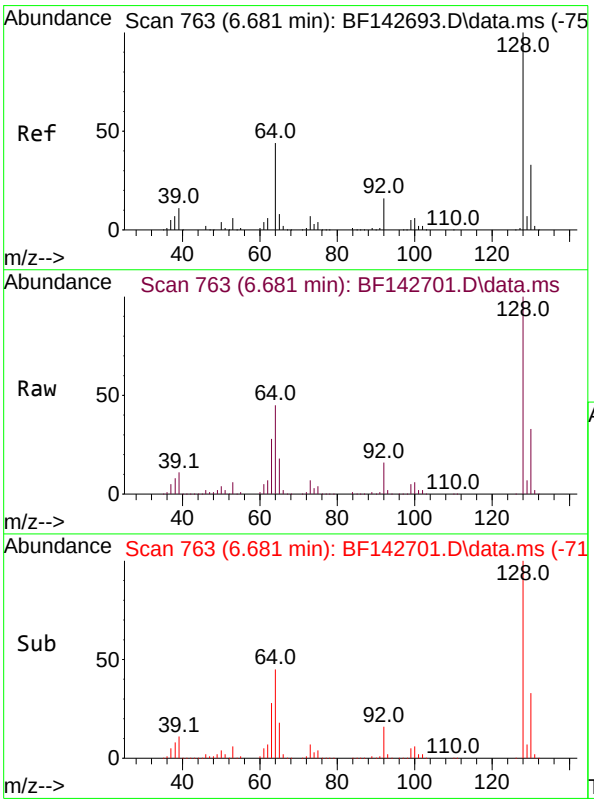
#7
Phenol-d6
Concen: 80.448 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 459057

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.3	22.9
71	33.9	26.3	39.5

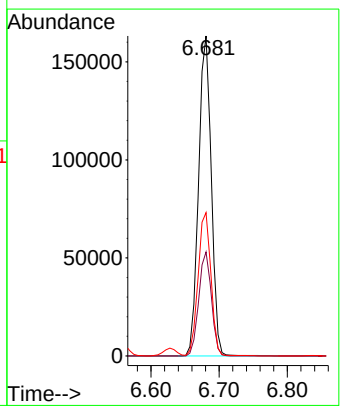


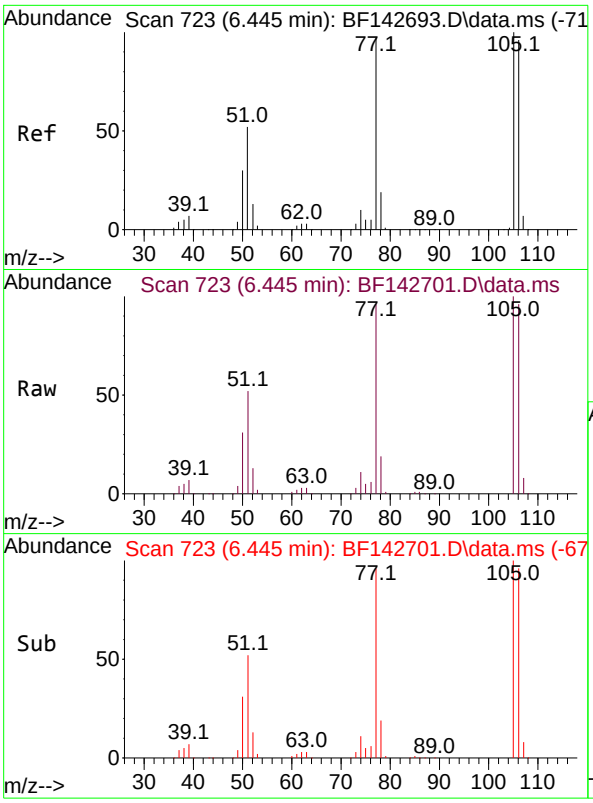


#8
2-Chlorophenol
Concen: 39.695 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:128 Resp: 210732

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.3	53.3
64	44.8	25.4	65.4



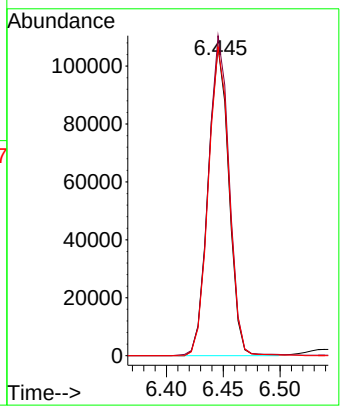


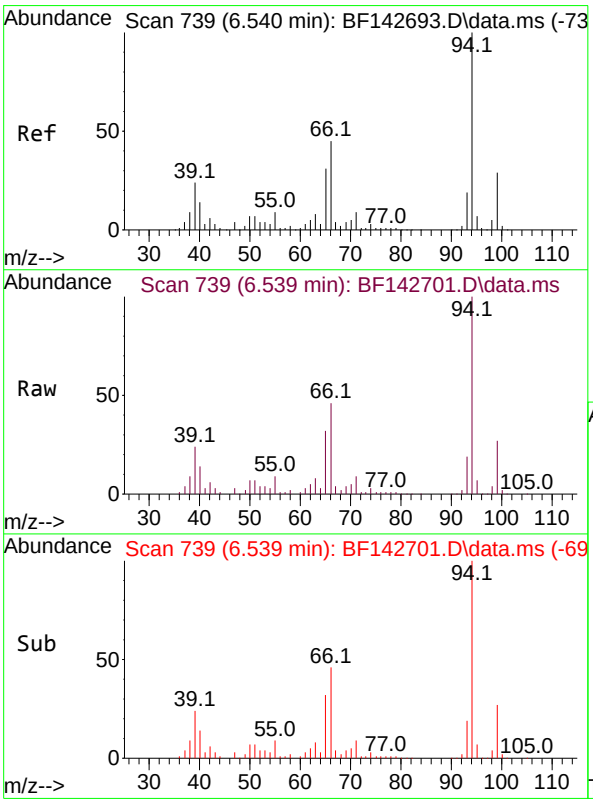
#9
Benzaldehyde
Concen: 42.139 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 135557

Ion	Ratio	Lower	Upper
77	100		
105	103.7	83.2	123.2
106	100.1	78.7	118.7

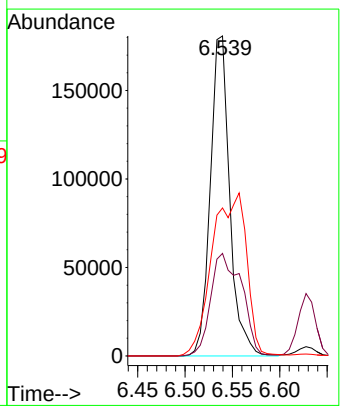


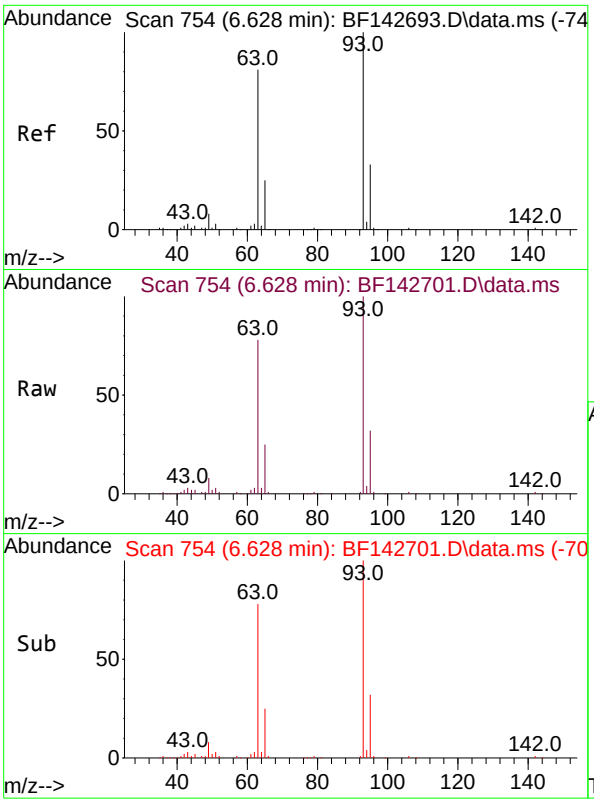


#10
Phenol
Concen: 40.332 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 94 Resp: 257717

Ion	Ratio	Lower	Upper
94	100		
65	32.0	11.0	51.0
66	46.3	24.9	64.9



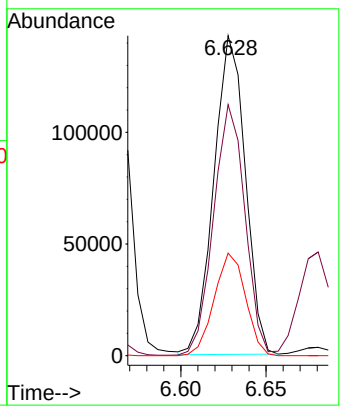


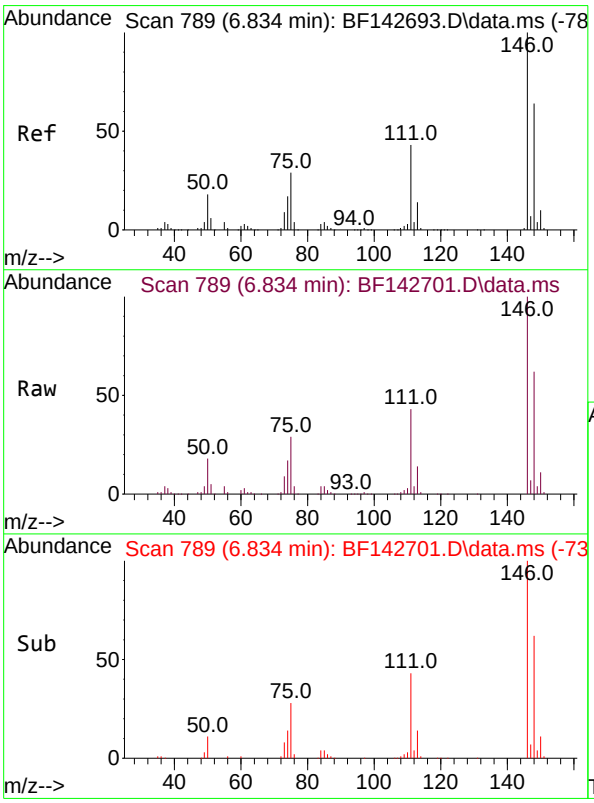
#11
bis(2-Chloroethyl)ether
Concen: 39.405 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 183433

Ion	Ratio	Lower	Upper
93	100		
63	78.5	60.0	100.0
95	32.1	12.2	52.2

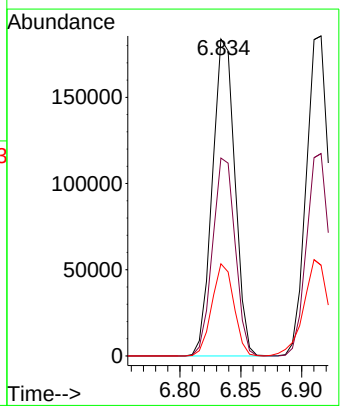


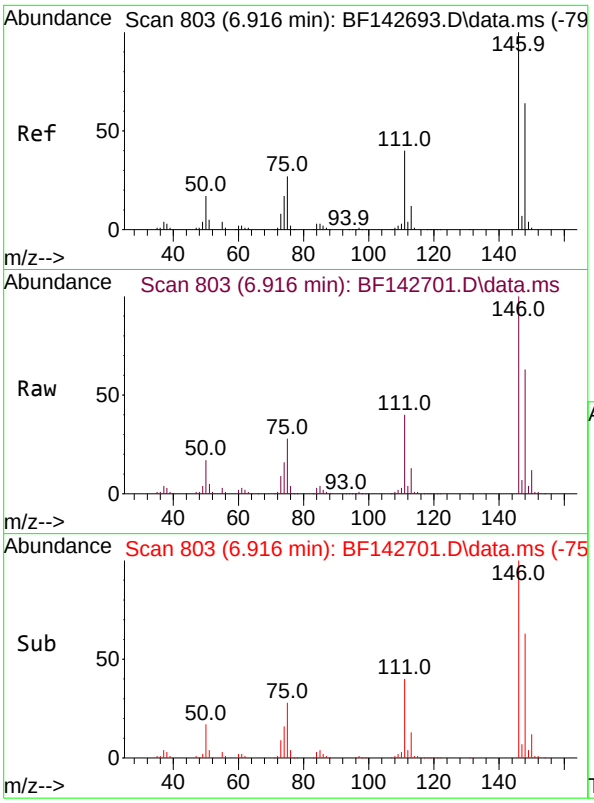


#12
1,3-Dichlorobenzene
Concen: 39.791 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:146 Resp: 236576

Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.4	77.2
75	29.1	23.1	34.7



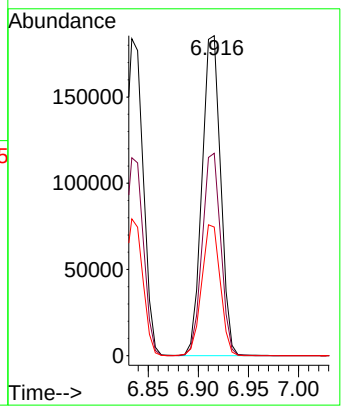


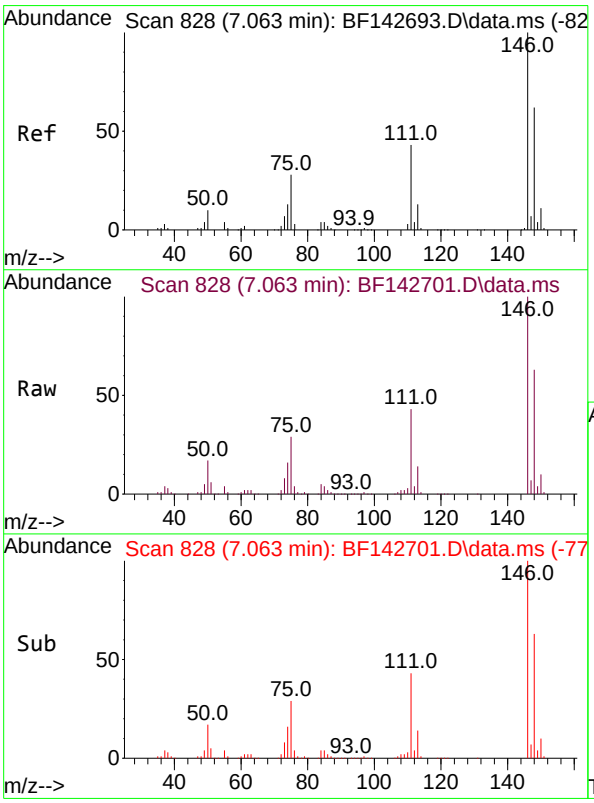
#13
1,4-Dichlorobenzene
Concen: 39.577 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 240589

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.6
111	40.2	31.8	47.8

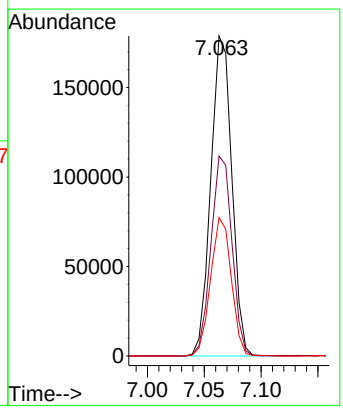


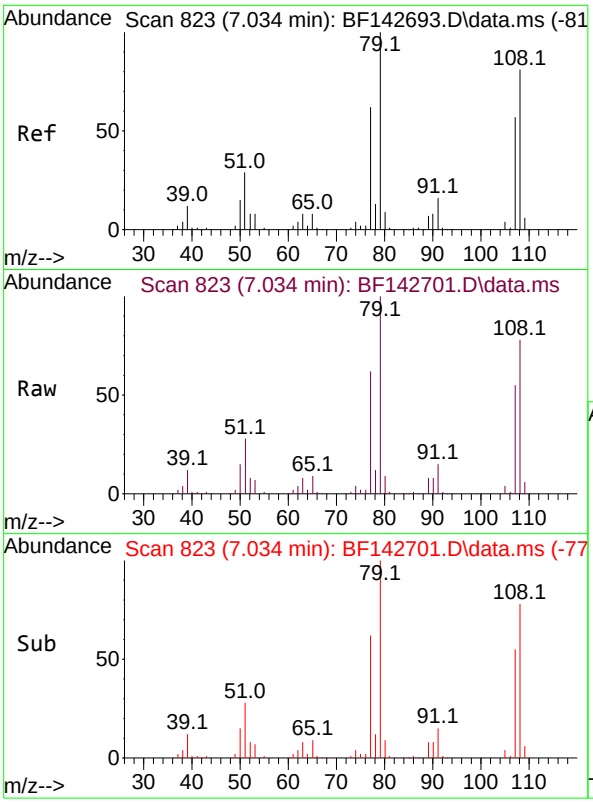


#14
1,2-Dichlorobenzene
Concen: 39.669 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:146 Resp: 229935

Ion	Ratio	Lower	Upper
146	100		
148	62.5	49.3	73.9
111	43.2	34.1	51.1



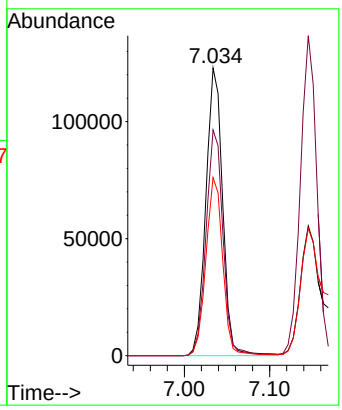


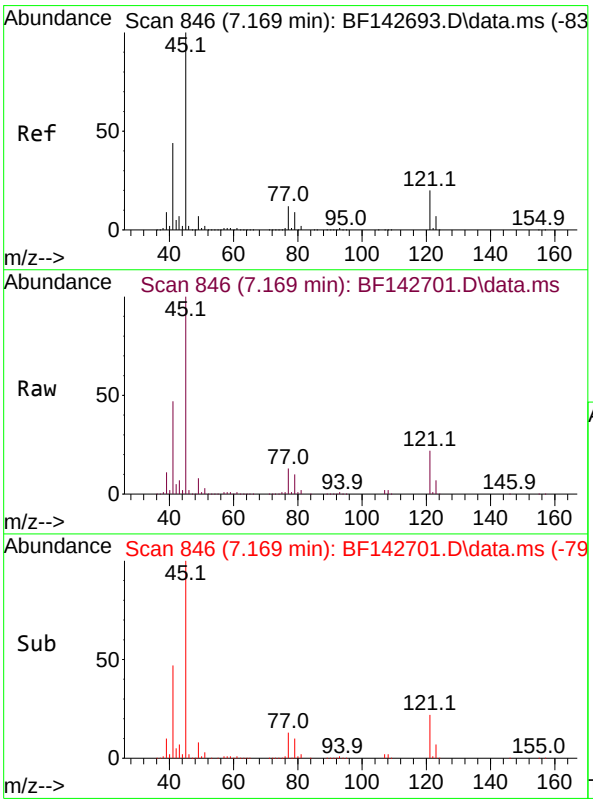
#15
Benzyl Alcohol
Concen: 40.213 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 167854

Ion	Ratio	Lower	Upper
79	100		
108	78.5	64.8	97.2
77	61.9	49.4	74.2

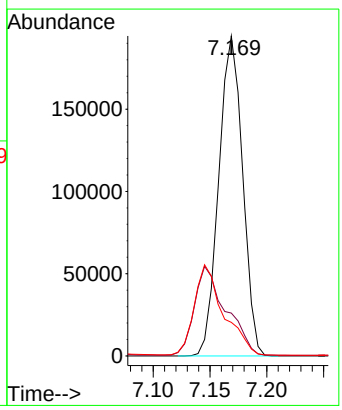


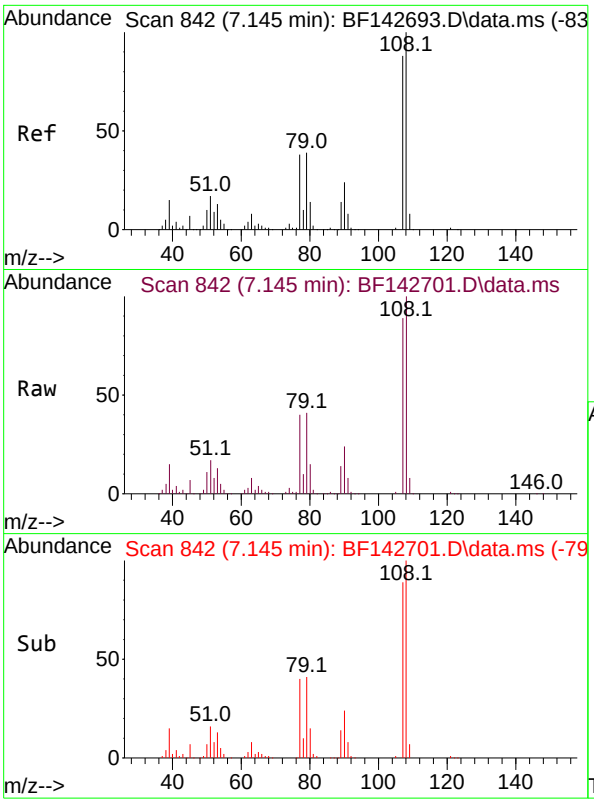


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.463 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 45 Resp: 283979

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	32.8
79	10.5	0.0	30.3



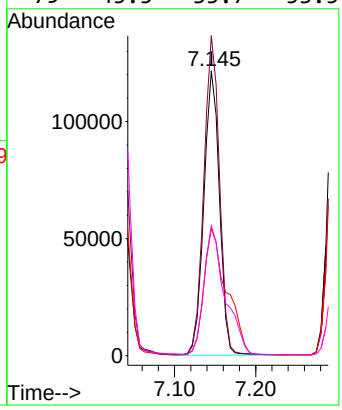


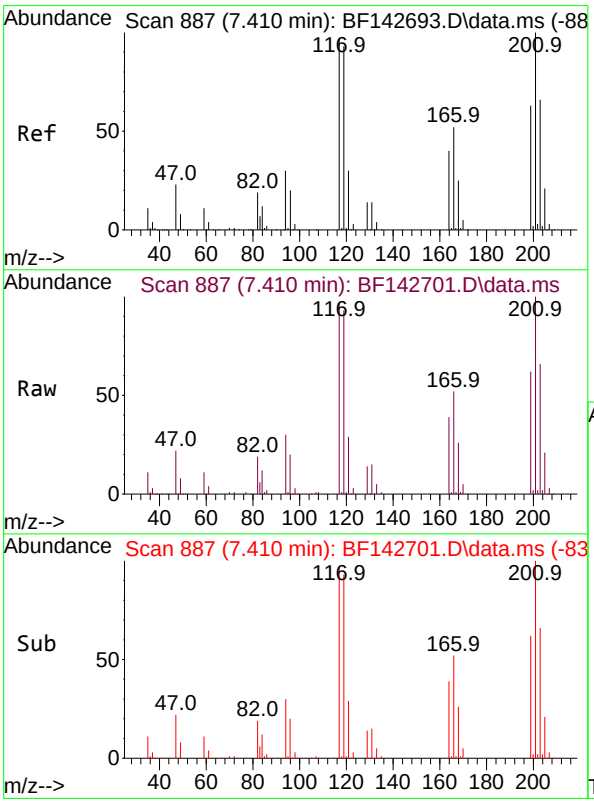
#17
2-Methylphenol
Concen: 39.689 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 161567

Ion	Ratio	Lower	Upper
107	100		
108	112.4	91.0	136.4
77	44.7	34.9	52.3
79	45.5	35.7	53.5

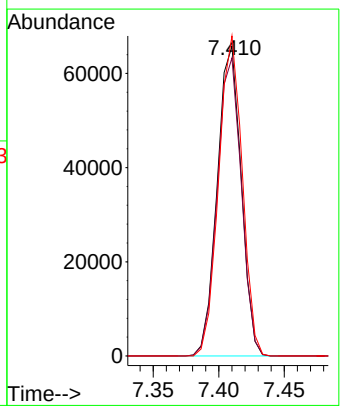


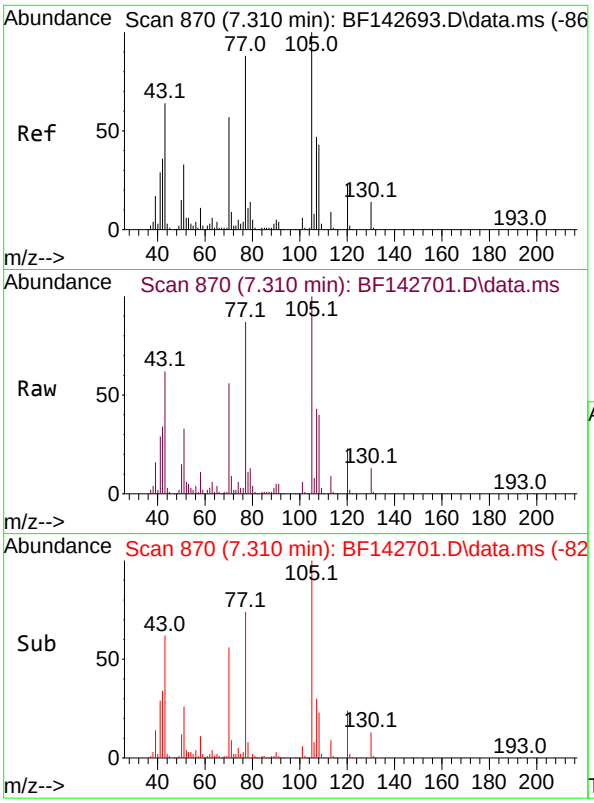


#18
Hexachloroethane
Concen: 40.062 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:117 Resp: 83668

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.1	115.7
201	103.3	82.6	123.8



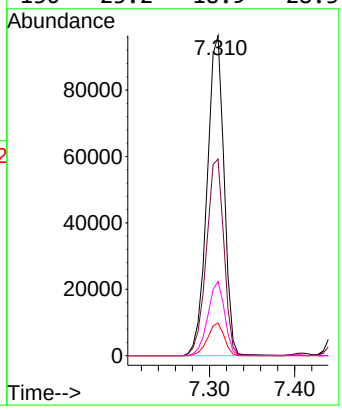


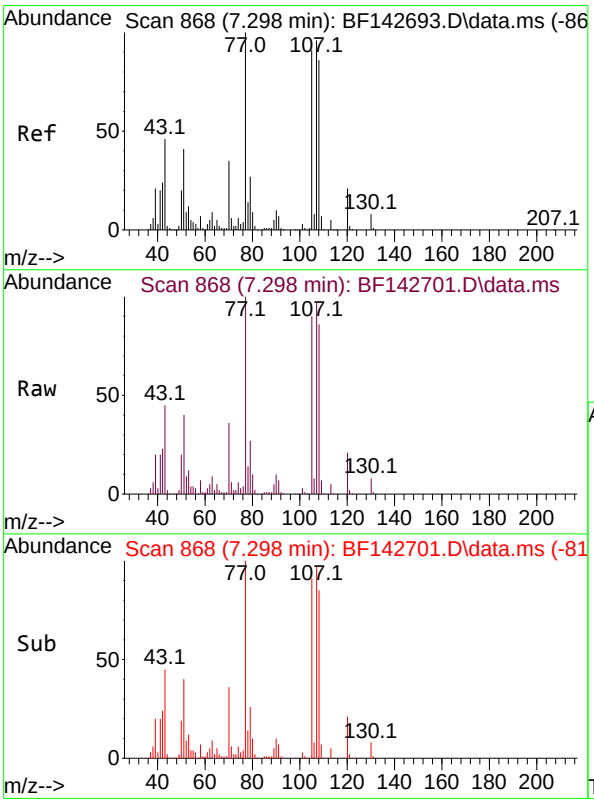
#19
n-Nitroso-di-n-propylamine
Concen: 39.986 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 133750

Ion	Ratio	Lower	Upper
70	100		
42	61.5	50.1	75.1
101	10.2	8.1	12.1
130	23.2	18.9	28.3

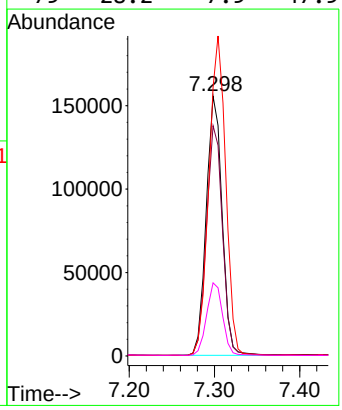


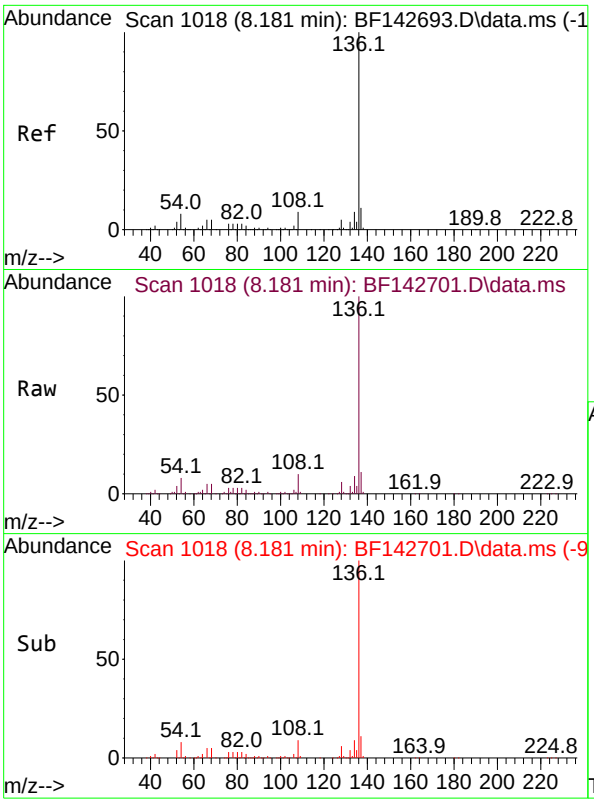


#20
3+4-Methylphenols
Concen: 40.199 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:107 Resp: 201537

Ion	Ratio	Lower	Upper
107	100		
108	88.7	69.5	109.5
77	103.5	83.6	123.6
79	28.2	7.9	47.9



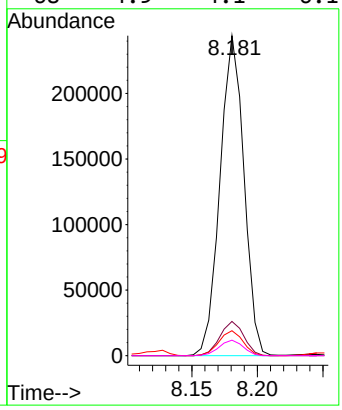


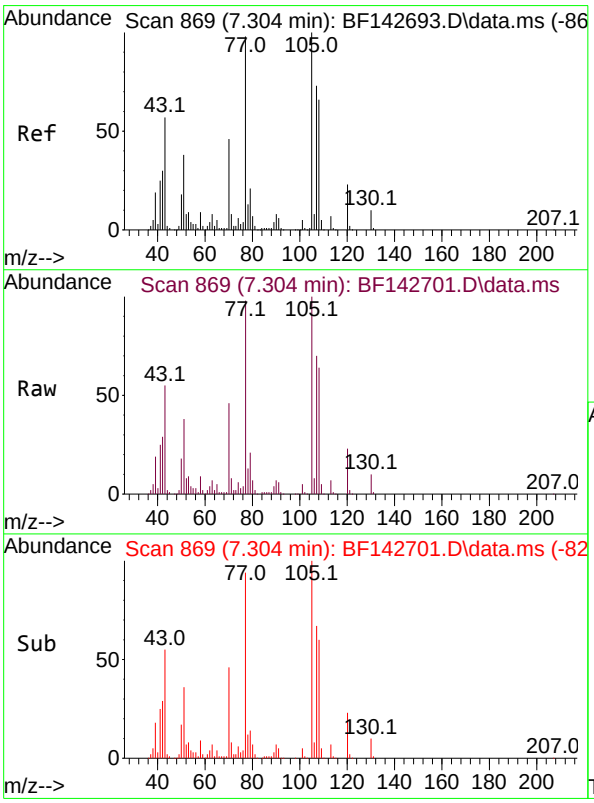
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 309806

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	6.4	9.6
68	4.9	4.1	6.1

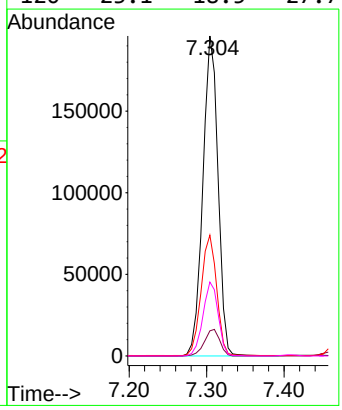


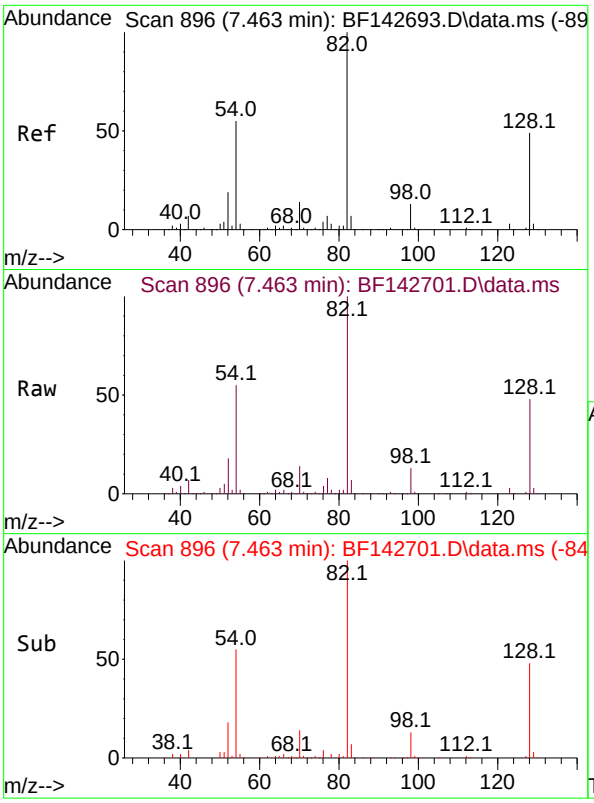


#22
Acetophenone
Concen: 39.355 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:105 Resp: 266525

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.2	9.2
51	37.8	30.8	46.2
120	23.1	18.5	27.7



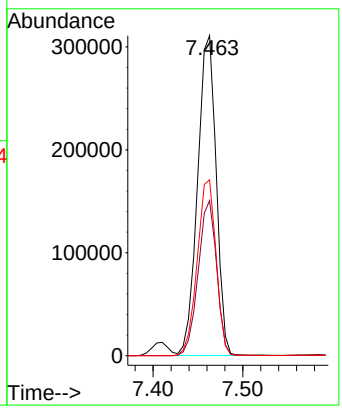


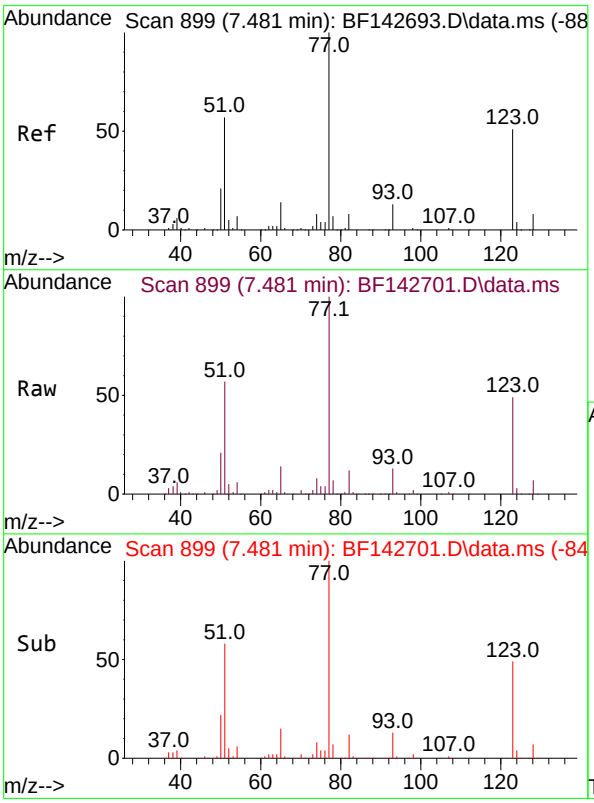
#23
Nitrobenzene-d5
Concen: 79.369 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 447427

Ion	Ratio	Lower	Upper
82	100		
128	48.4	39.3	58.9
54	54.9	44.2	66.2

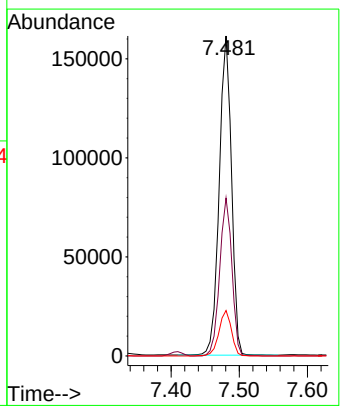


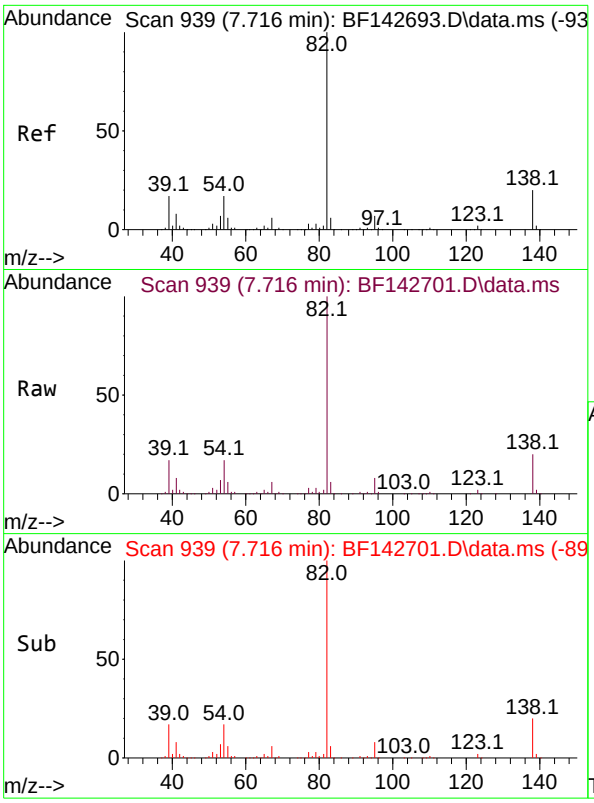


#24
Nitrobenzene
Concen: 39.673 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 77 Resp: 201694

Ion	Ratio	Lower	Upper
77	100		
123	49.4	41.3	61.9
65	14.2	11.2	16.8



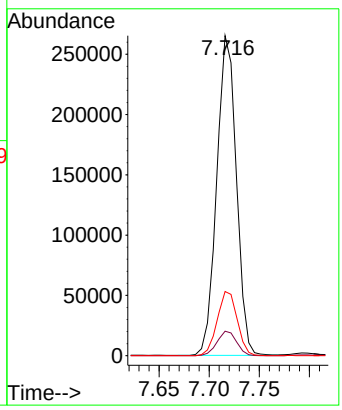


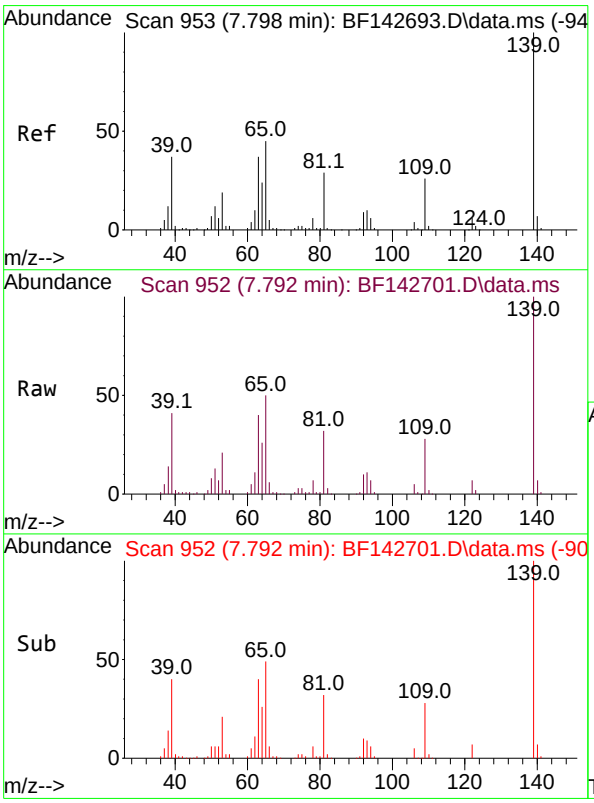
#25
Isophorone
Concen: 39.401 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 360361

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	20.0	16.1	24.1

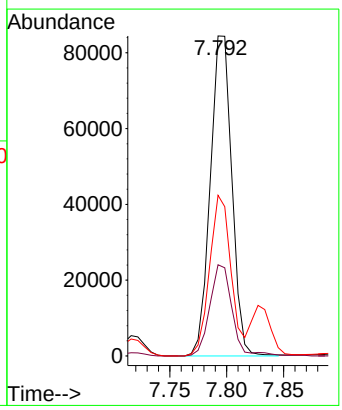


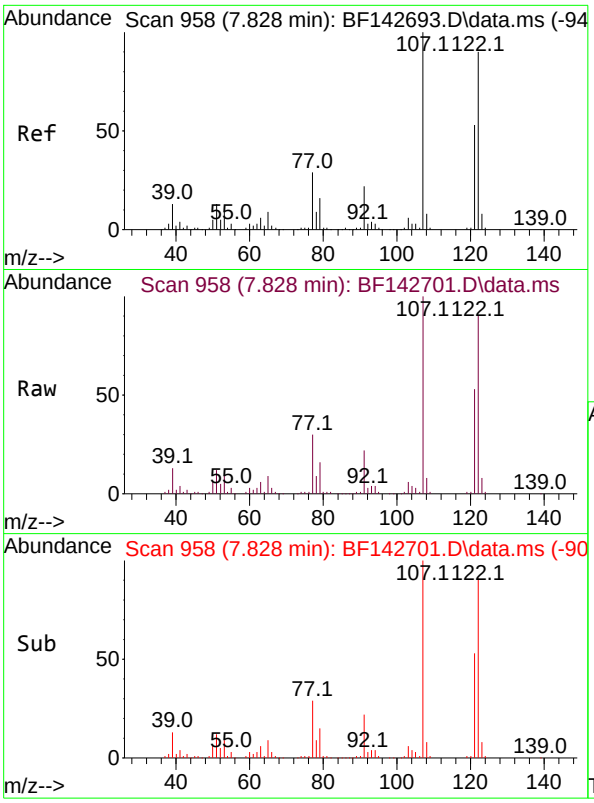


#26
2-Nitrophenol
Concen: 39.812 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:139 Resp: 111646

Ion	Ratio	Lower	Upper
139	100		
109	28.5	21.0	31.6
65	50.2	36.2	54.2



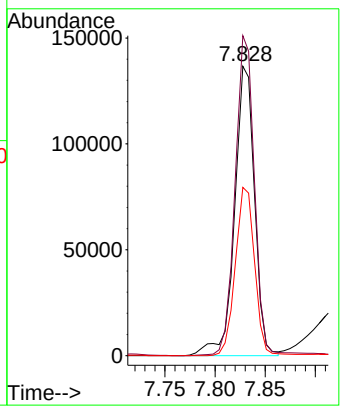


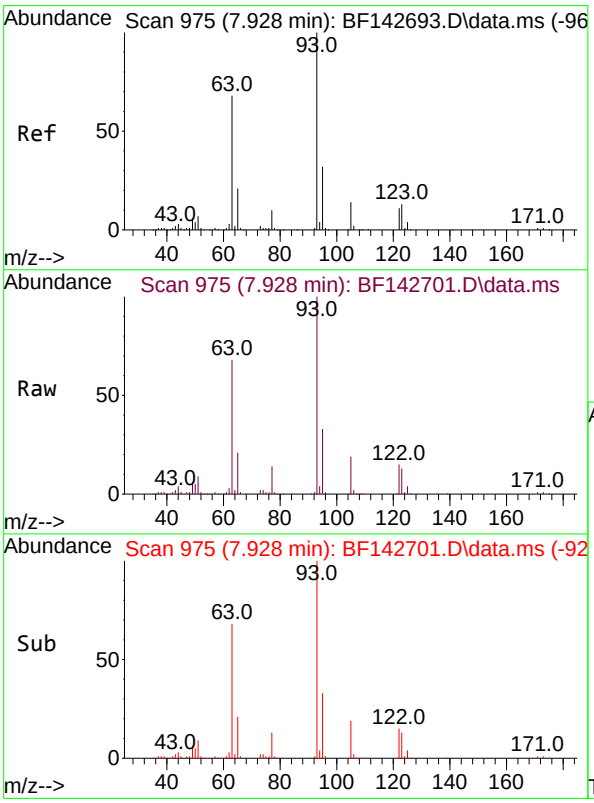
#27
2,4-Dimethylphenol
Concen: 39.786 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 189621

Ion	Ratio	Lower	Upper
122	100		
107	110.5	89.4	134.2
121	58.1	47.1	70.7

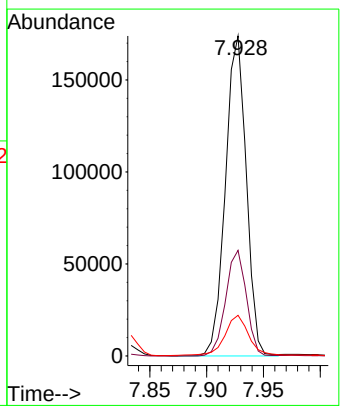


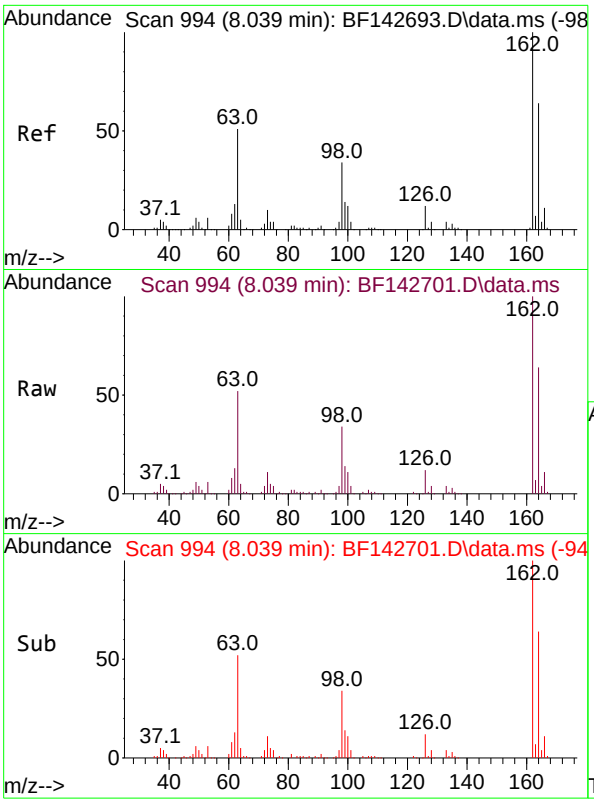


#28
bis(2-Chloroethoxy)methane
Concen: 38.628 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 93 Resp: 221587

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.4	38.2
123	12.7	10.5	15.7



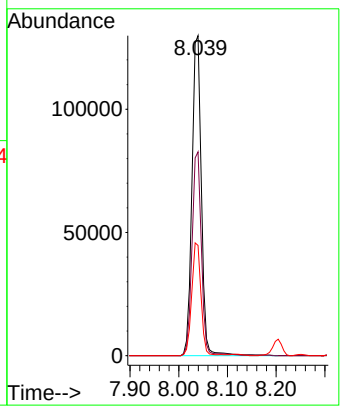


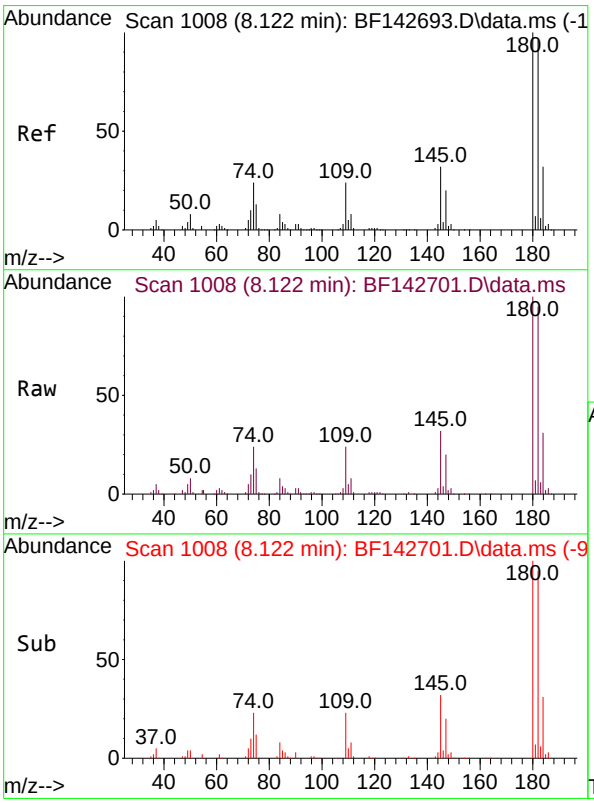
#29
2,4-Dichlorophenol
Concen: 40.213 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 175582

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.0	84.0
98	34.5	14.4	54.4

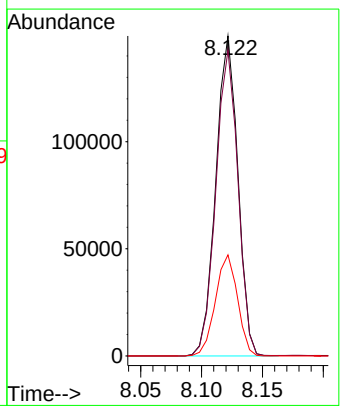


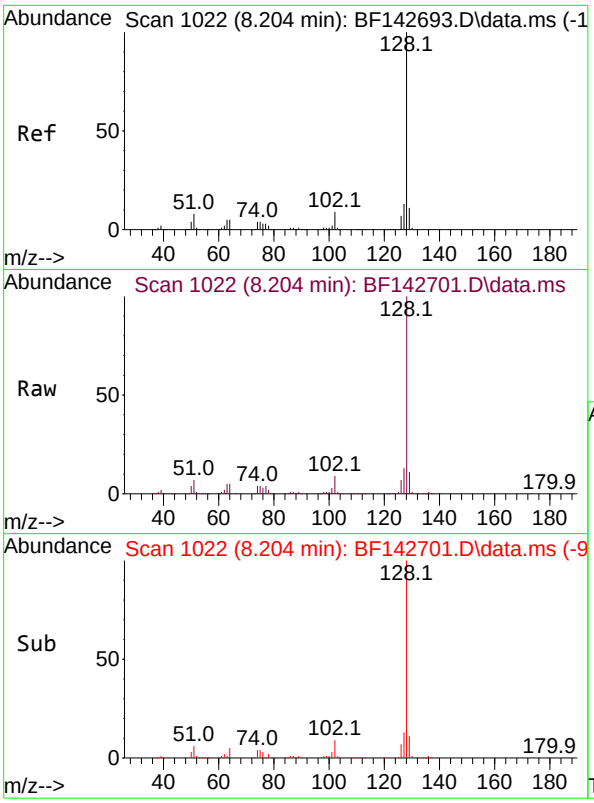


#30
1,2,4-Trichlorobenzene
Concen: 39.617 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:180 Resp: 188681

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	31.6	25.4	38.0



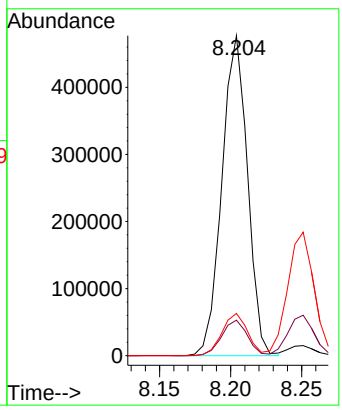


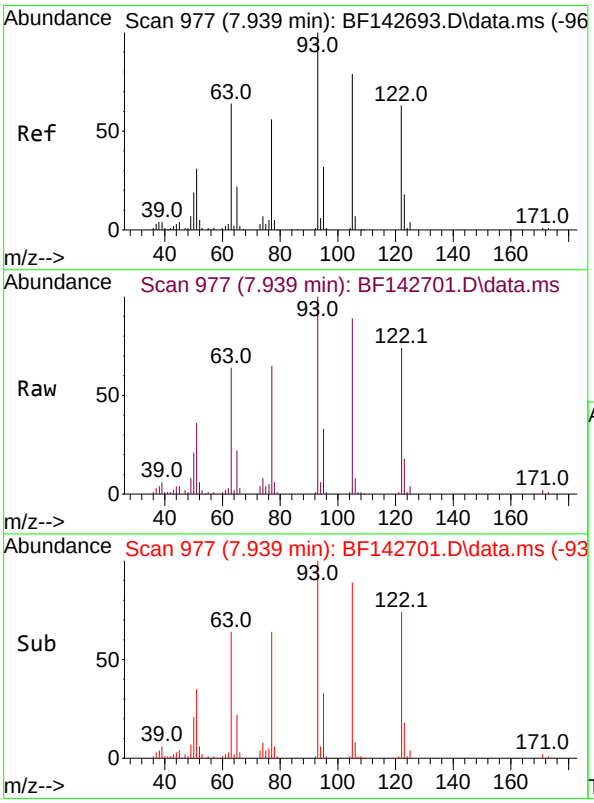
#31
Naphthalene
Concen: 39.123 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 597261

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.2	10.6	15.8

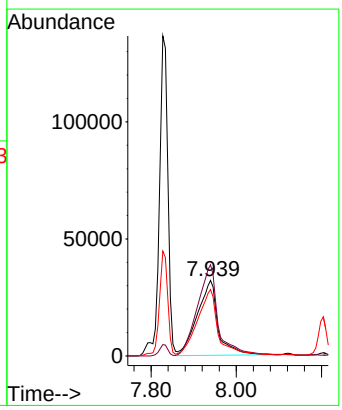


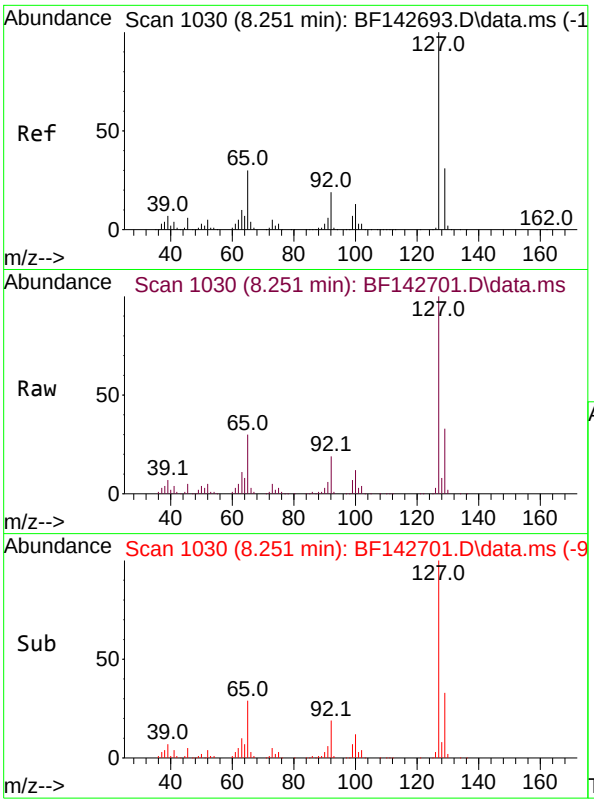


#32
Benzoic acid
Concen: 37.574 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.041 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:122 Resp: 108596

Ion	Ratio	Lower	Upper
122	100		
105	120.7	100.3	140.3
77	87.9	67.9	107.9



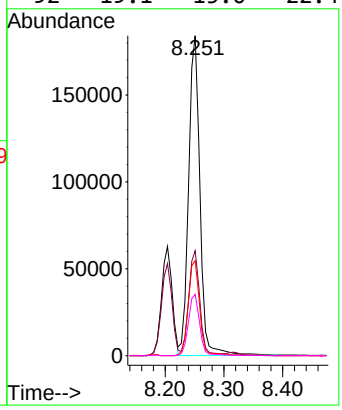


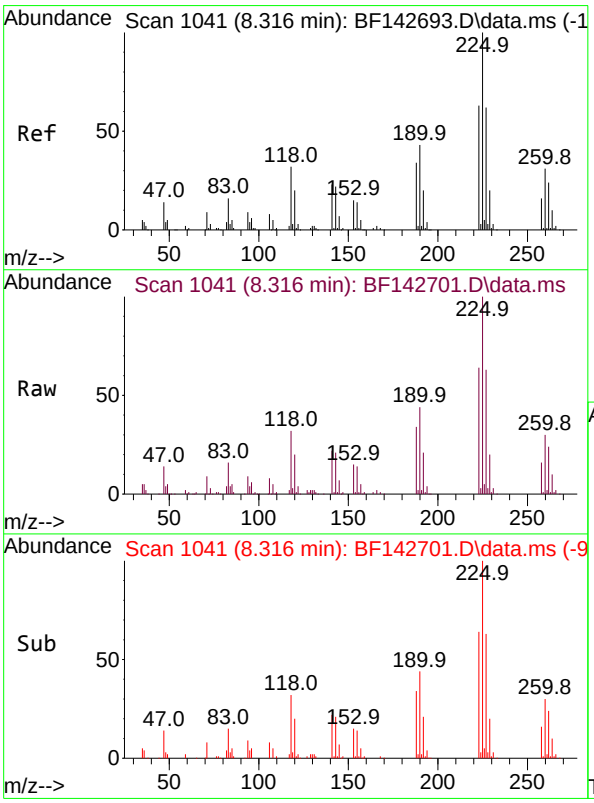
#33
4-Chloroaniline
Concen: 39.310 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 246721

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	29.7	23.8	35.6
92	19.1	15.0	22.4

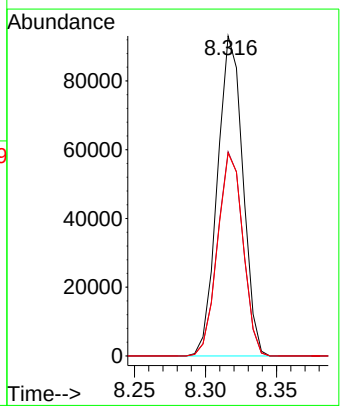


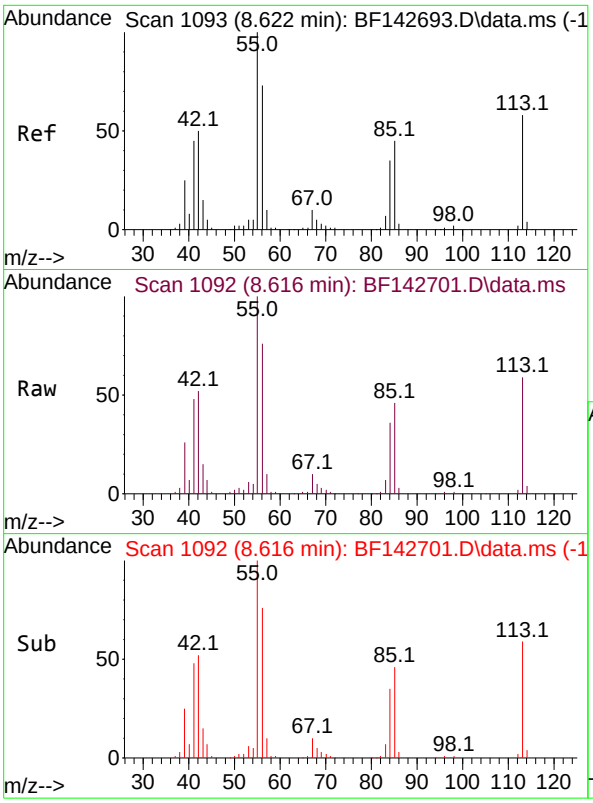


#34
Hexachlorobutadiene
Concen: 39.429 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:225 Resp: 115655

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.7	76.1
227	63.4	49.8	74.8



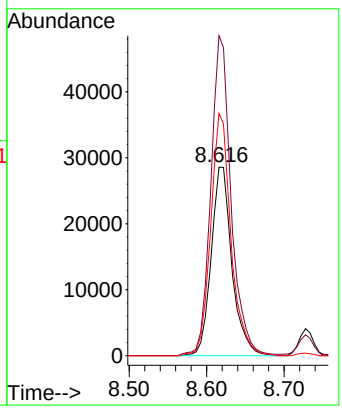


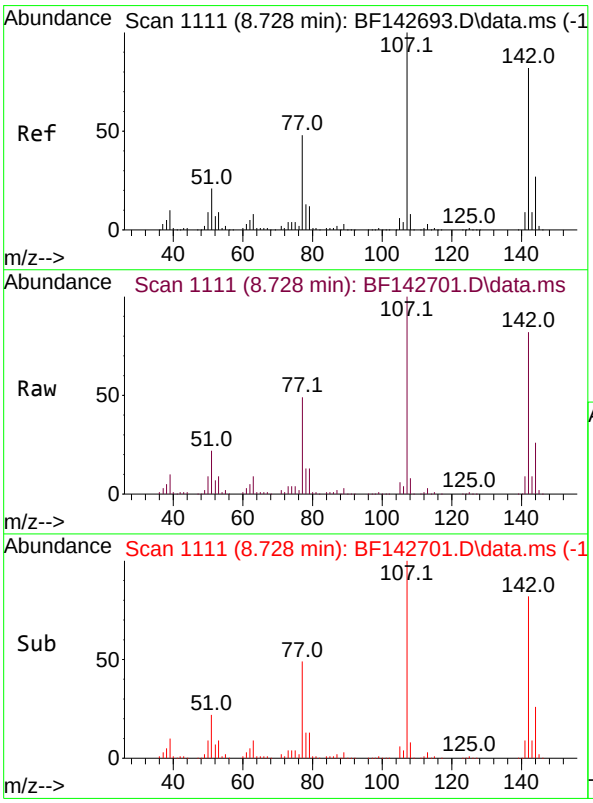
#35
Caprolactam
Concen: 39.561 ng
RT: 8.616 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 53055

Ion	Ratio	Lower	Upper
113	100		
55	169.8	152.9	192.9
56	128.6	106.6	146.6

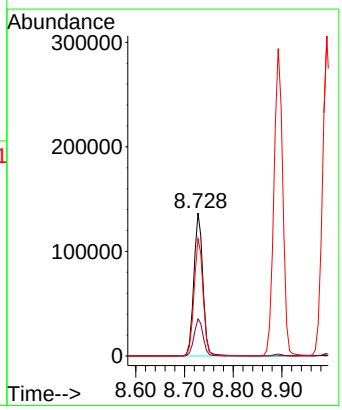


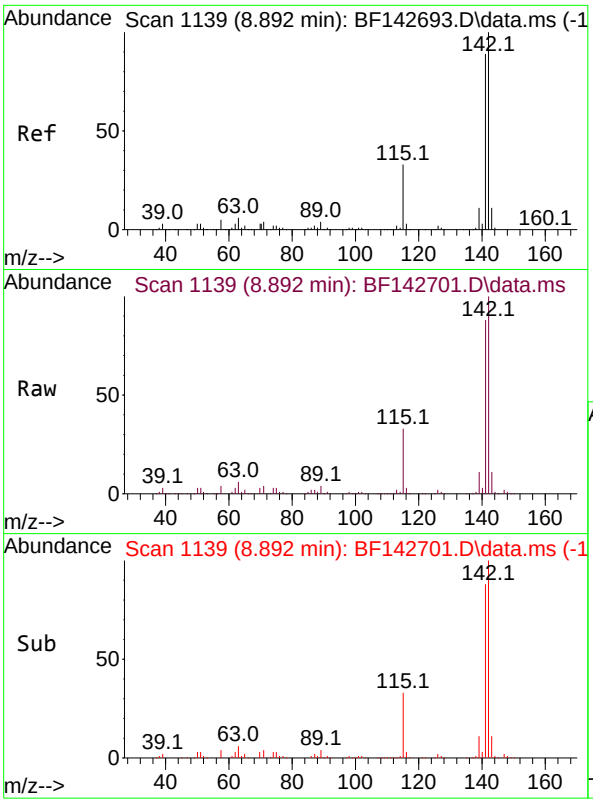


#36
4-Chloro-3-methylphenol
Concen: 39.367 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:107 Resp: 177302

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.5	32.3
142	82.0	65.5	98.3



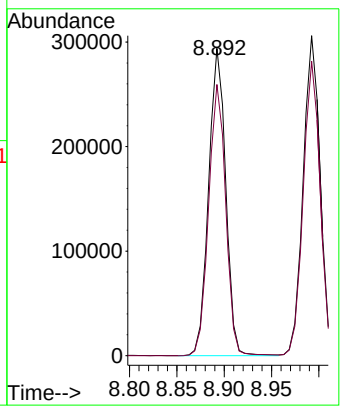


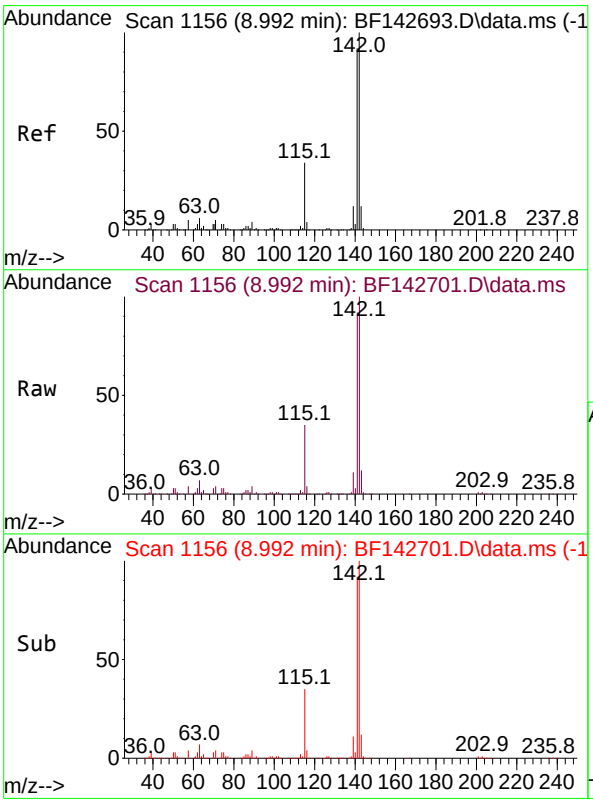
#37
2-Methylnaphthalene
Concen: 38.489 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 369720

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2

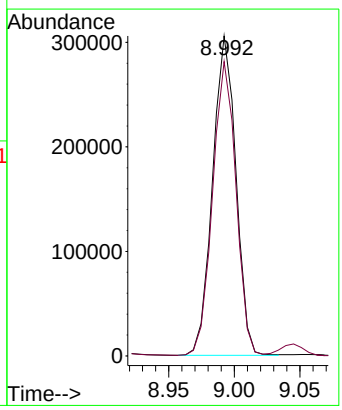


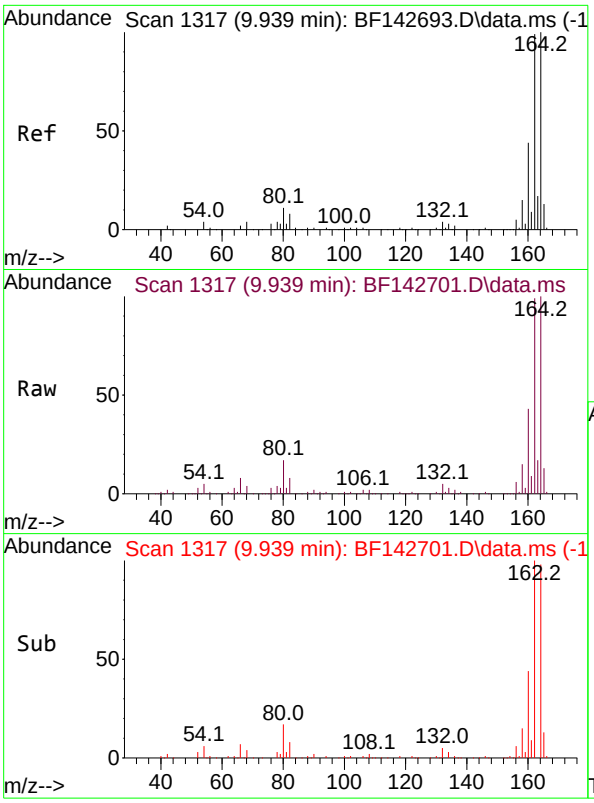


#38
1-Methylnaphthalene
Concen: 38.016 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:142 Resp: 378163

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.7	110.5



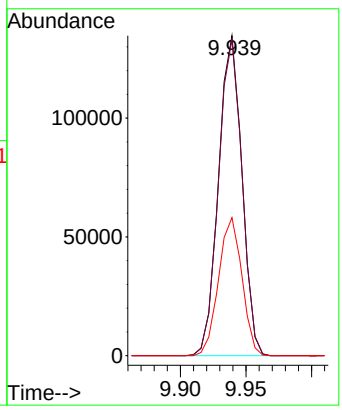


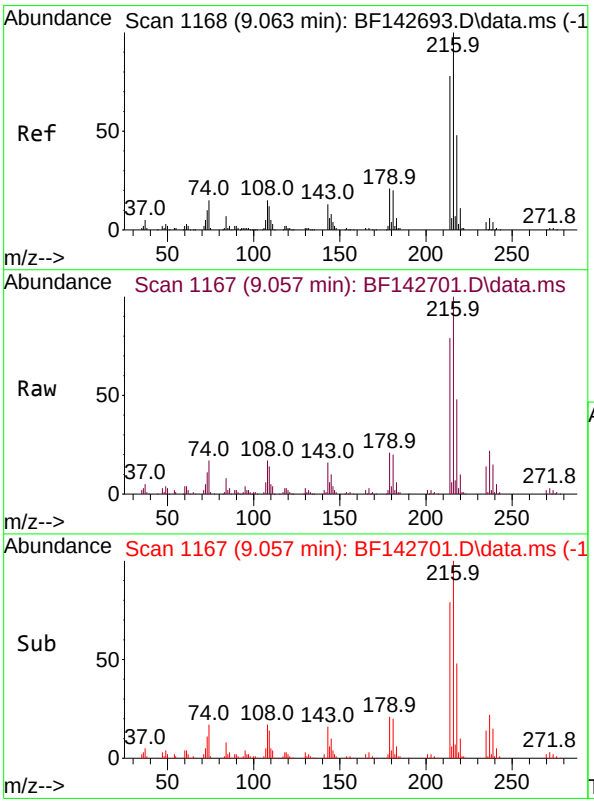
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 166836

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.1	118.7
160	43.1	35.4	53.0

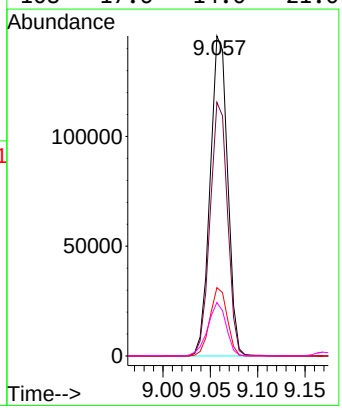


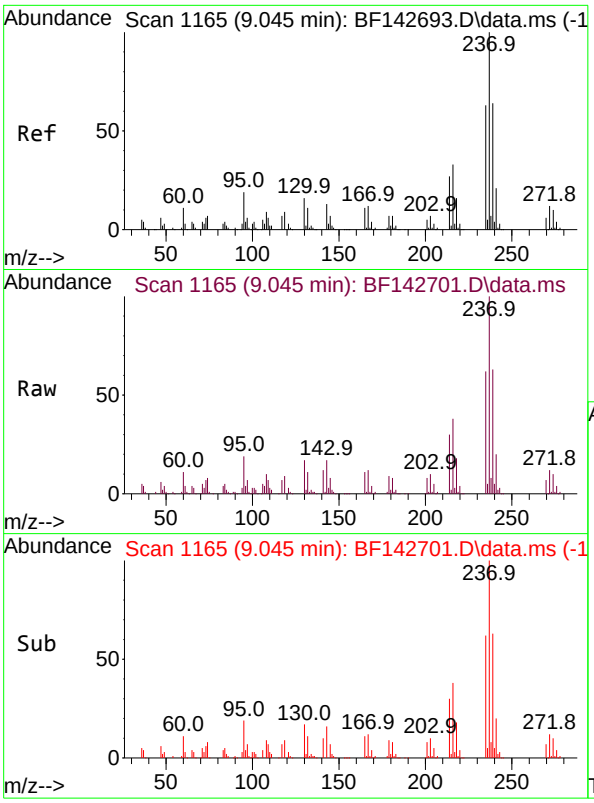


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.764 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:216 Resp: 186896

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	21.0	16.6	25.0
108	17.6	14.0	21.0



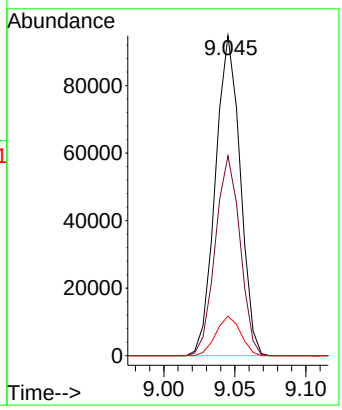


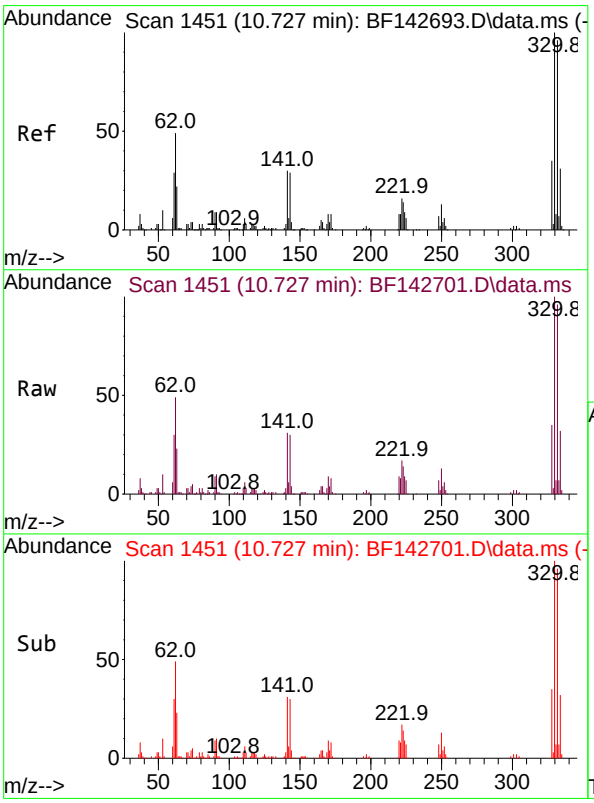
#41
Hexachlorocyclopentadiene
Concen: 40.634 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 115049

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.1	83.1
272	12.4	0.0	32.5

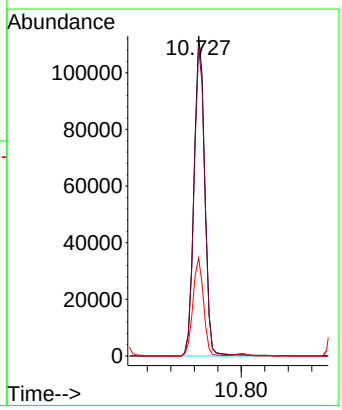


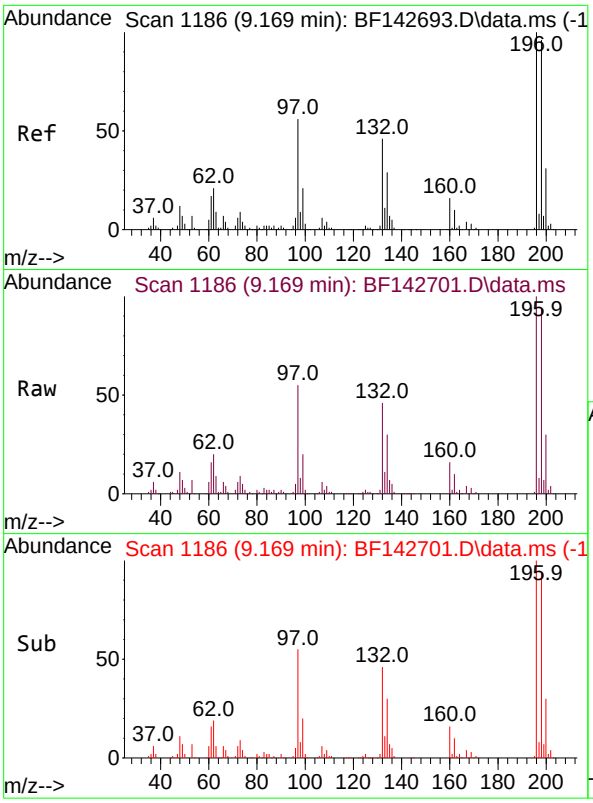


#42
2,4,6-Tribromophenol
Concen: 76.715 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:330 Resp: 143796

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.1	115.7
141	30.2	23.5	35.3



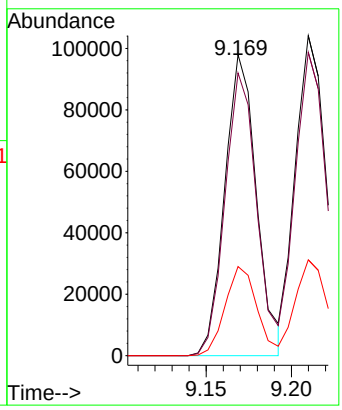


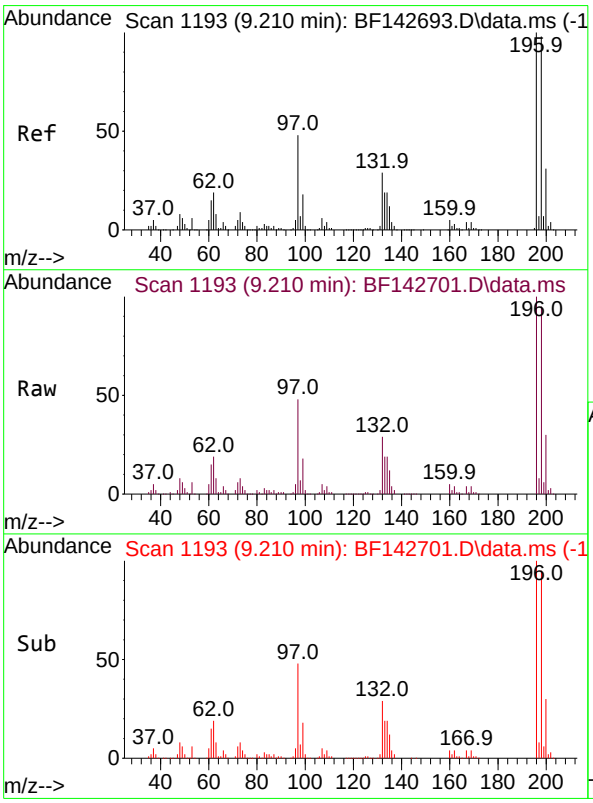
#43
2,4,6-Trichlorophenol
Concen: 40.077 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 126788

Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.1	115.7
200	29.6	24.5	36.7

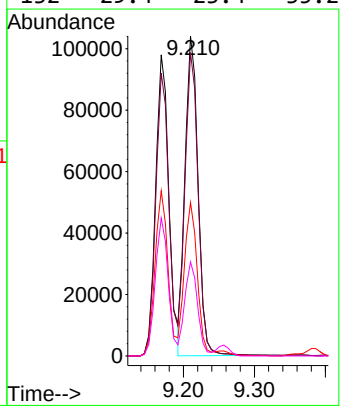


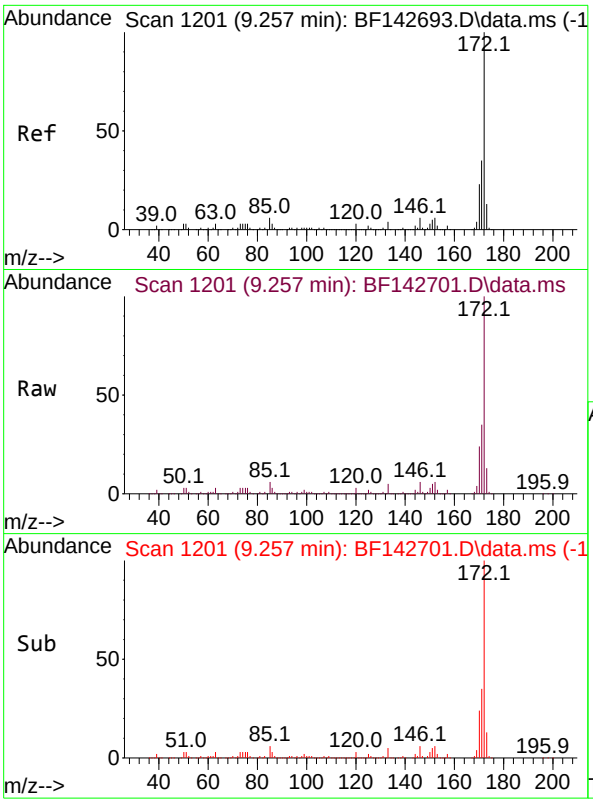


#44
2,4,5-Trichlorophenol
Concen: 39.425 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:196 Resp: 133219

Ion	Ratio	Lower	Upper
196	100		
198	94.8	78.2	117.2
97	48.0	39.2	58.8
132	29.4	23.4	35.2



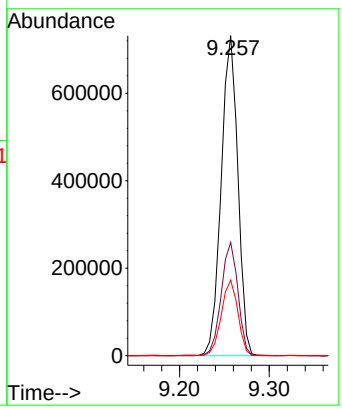


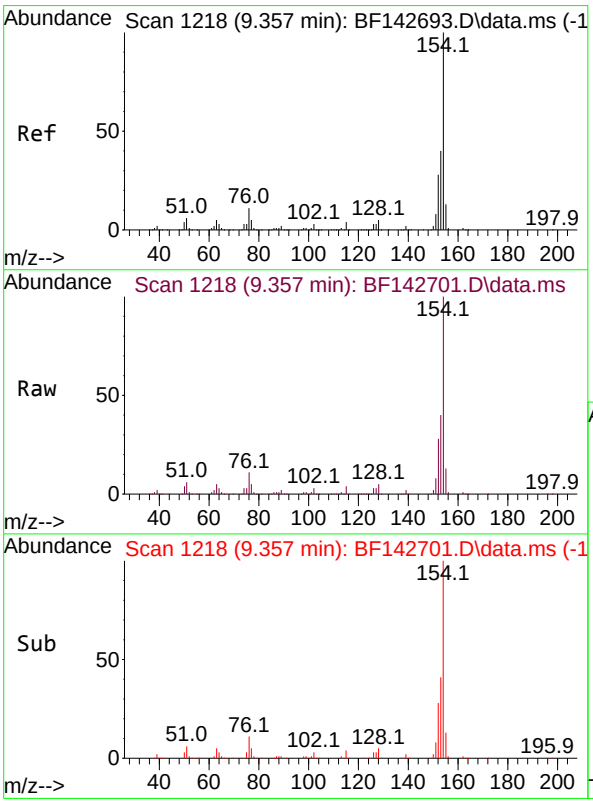
#45
2-Fluorobiphenyl
Concen: 77.406 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 944312

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.6	18.7	28.1

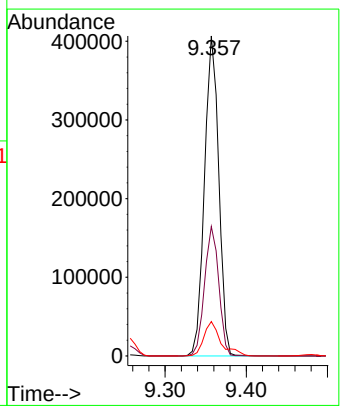


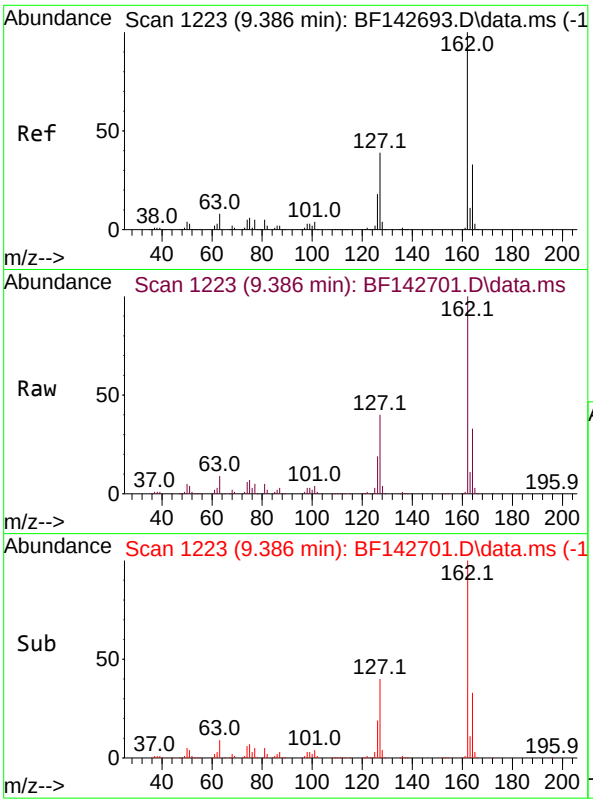


#46
1,1'-Biphenyl
Concen: 38.184 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:154 Resp: 495366

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.4	60.4
76	10.8	0.0	31.4



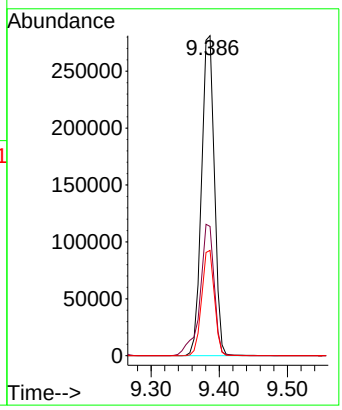


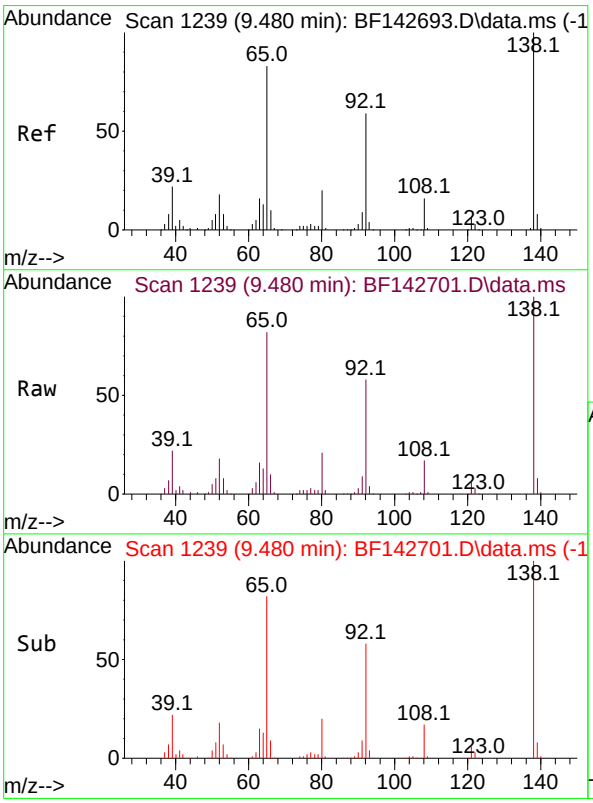
#47
2-Chloronaphthalene
Concen: 38.082 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 370171

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.7	47.5
164	32.9	26.2	39.4

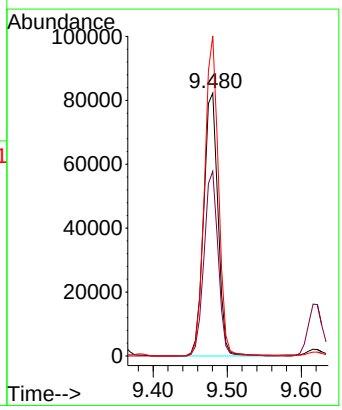


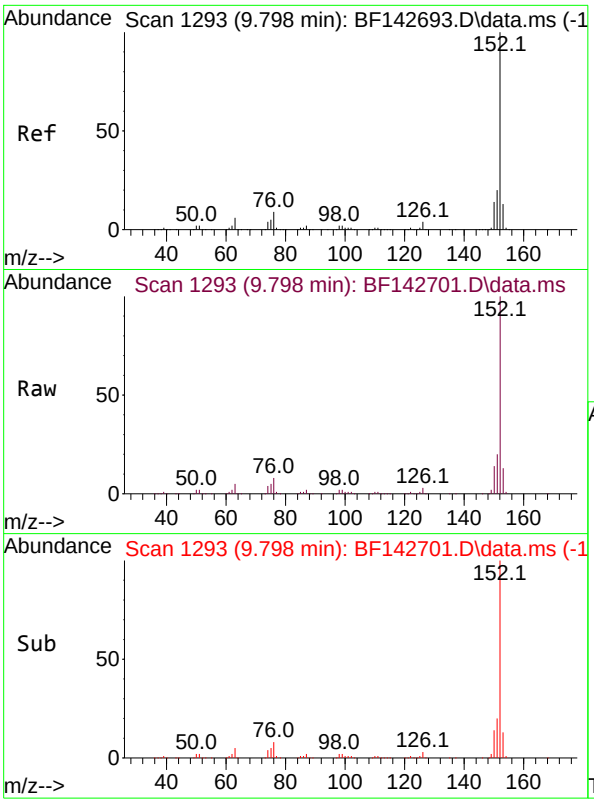


#48
2-Nitroaniline
Concen: 38.410 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion: 65 Resp: 111102

Ion	Ratio	Lower	Upper
65	100		
92	70.2	56.3	84.5
138	121.7	95.9	143.9



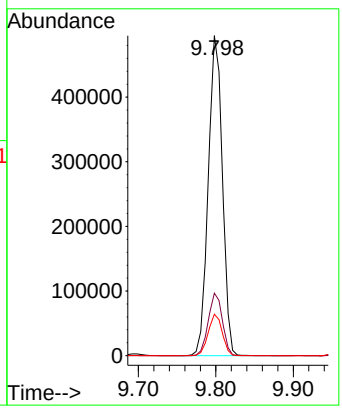


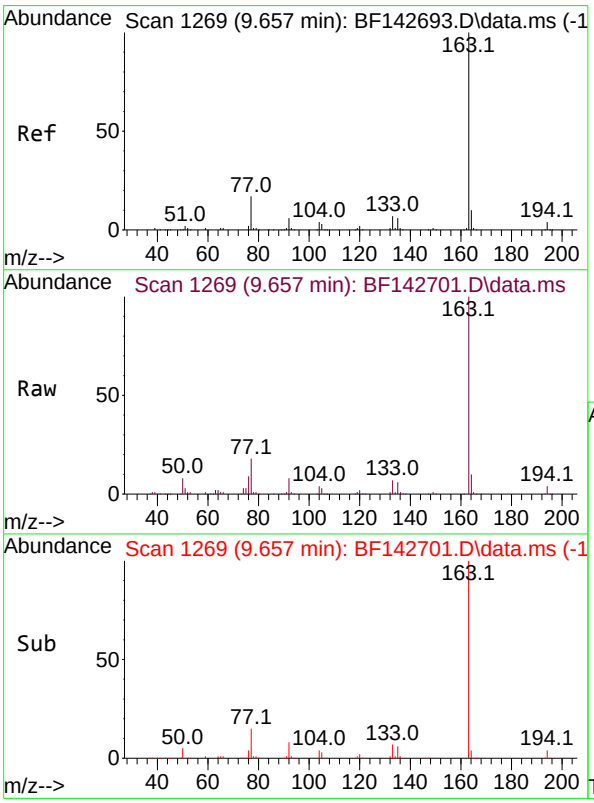
#49
Acenaphthylene
Concen: 38.910 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 626846

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.9	10.5	15.7

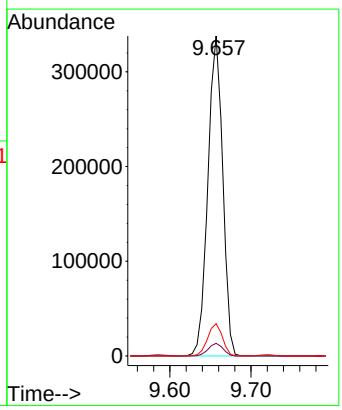


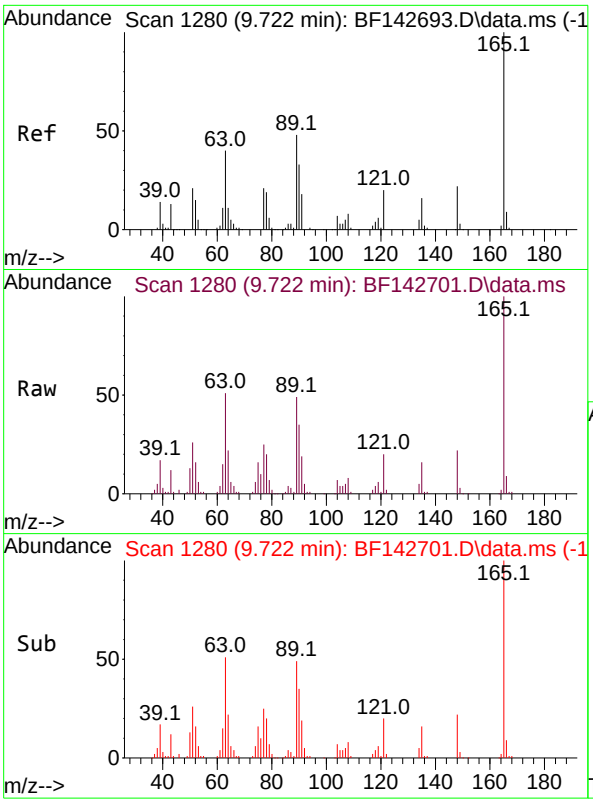


#50
Dimethylphthalate
Concen: 38.162 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:163 Resp: 428367

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.1	12.1



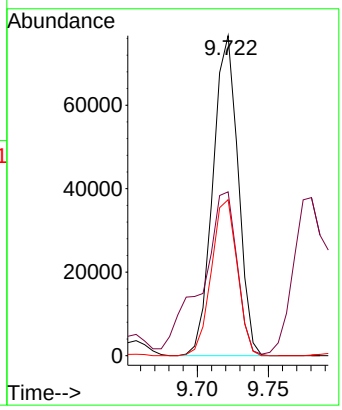


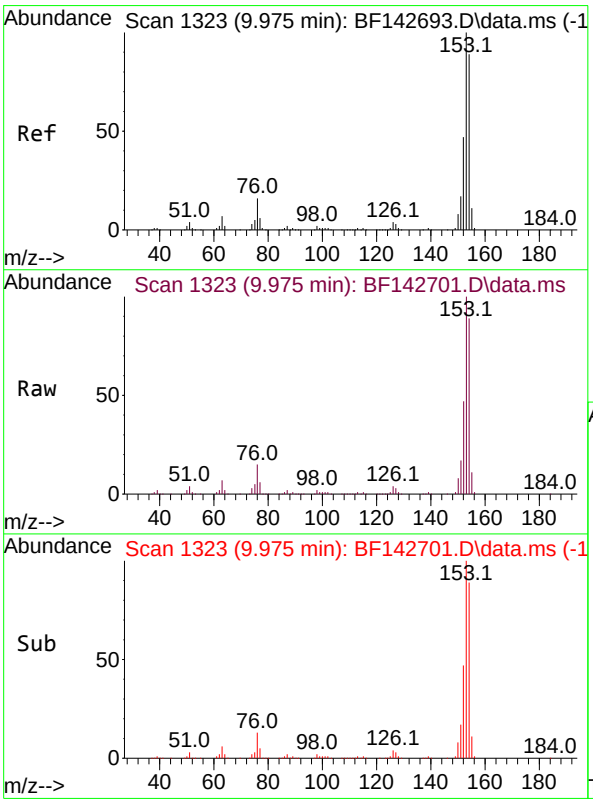
#51
2,6-Dinitrotoluene
Concen: 38.961 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 94604

Ion	Ratio	Lower	Upper
165	100		
63	51.2	41.3	61.9
89	48.7	38.1	57.1

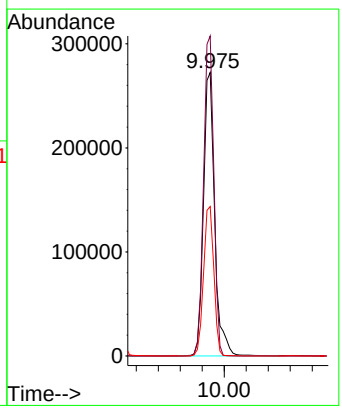


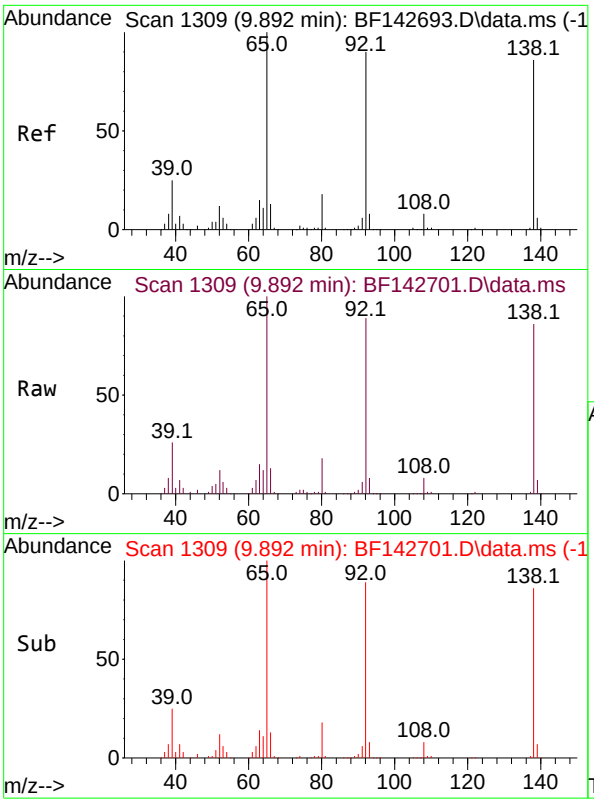


#52
Acenaphthene
Concen: 39.158 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:154 Resp: 385911

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.5	134.3
152	52.7	41.8	62.8



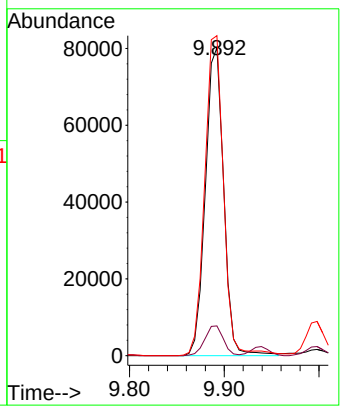


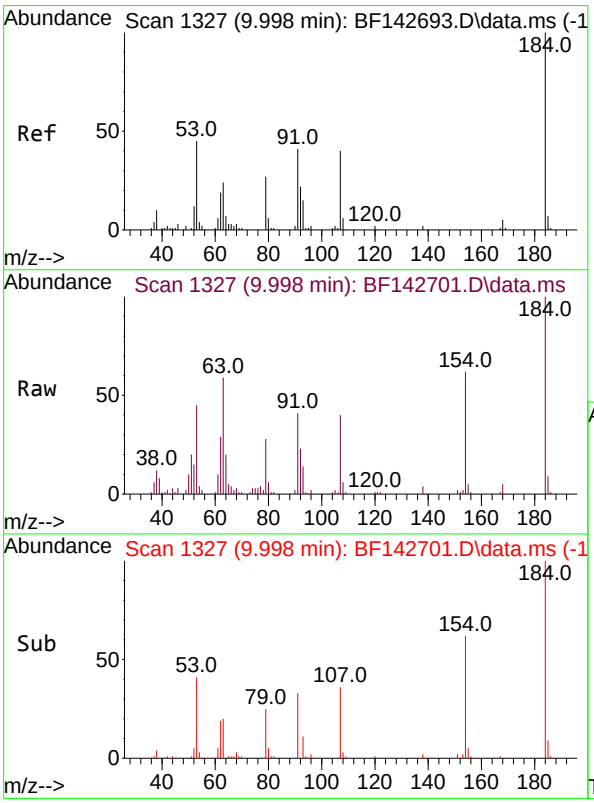
#53
3-Nitroaniline
Concen: 39.465 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 107677

Ion	Ratio	Lower	Upper
138	100		
108	9.7	7.7	11.5
92	103.9	83.4	125.0

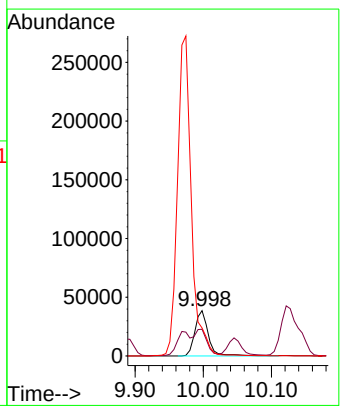


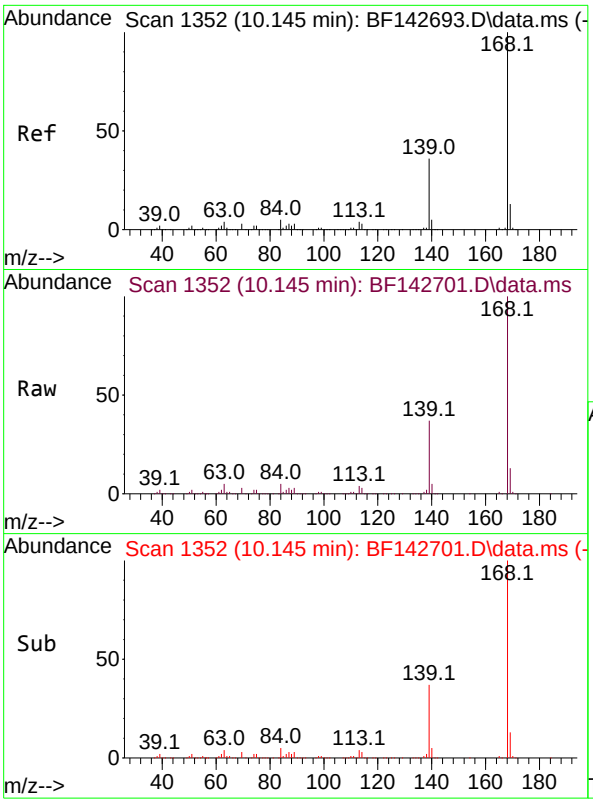


#54
2,4-Dinitrophenol
Concen: 39.150 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:184 Resp: 52632

Ion	Ratio	Lower	Upper
184	100		
63	59.0	47.4	71.0
154	61.8	48.6	73.0



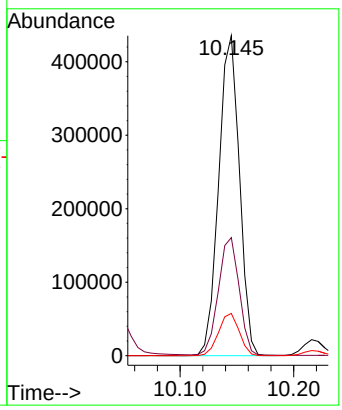


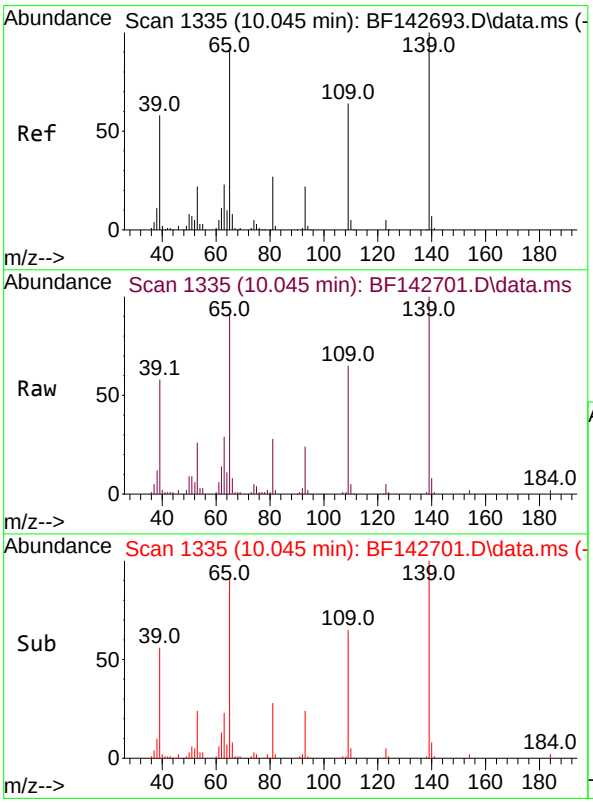
#55
Dibenzofuran
Concen: 39.094 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 552721

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.2	43.8
169	13.2	10.7	16.1

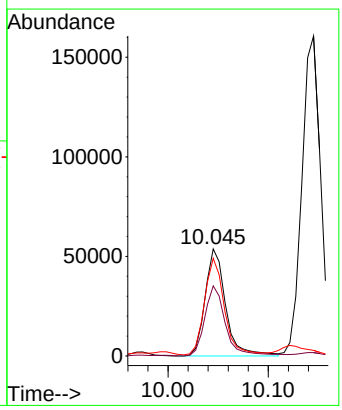


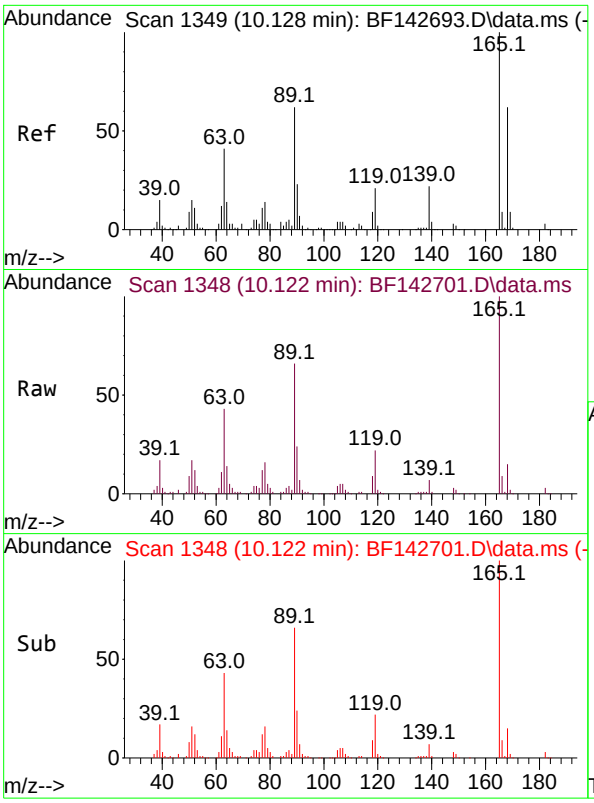


#56
4-Nitrophenol
Concen: 40.859 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:139 Resp: 76625

Ion	Ratio	Lower	Upper
139	100		
109	65.5	44.4	84.4
65	91.2	72.1	112.1



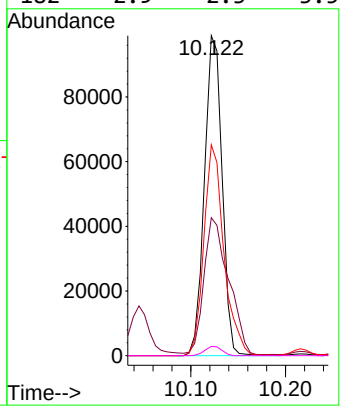


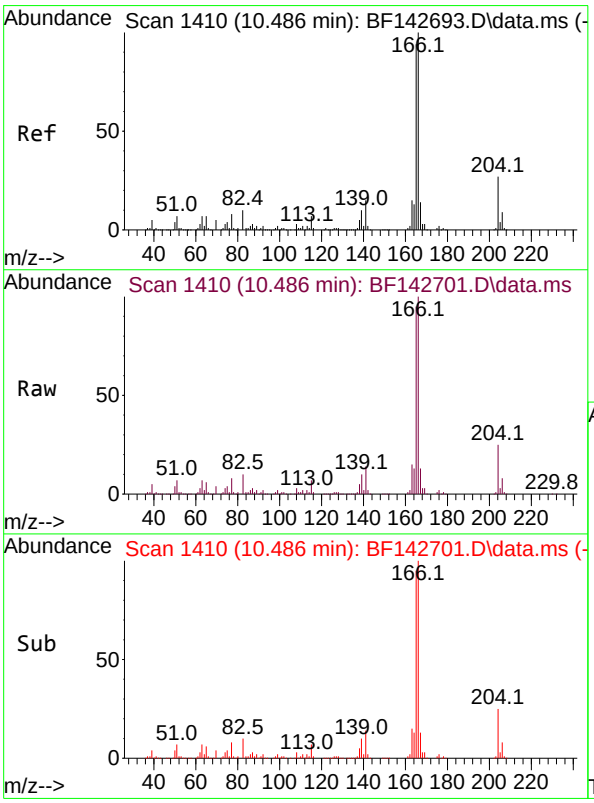
#57
2,4-Dinitrotoluene
Concen: 39.415 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 128287

Ion	Ratio	Lower	Upper
165	100		
63	43.1	33.6	50.4
89	65.9	49.4	74.0
182	2.9	2.3	3.5

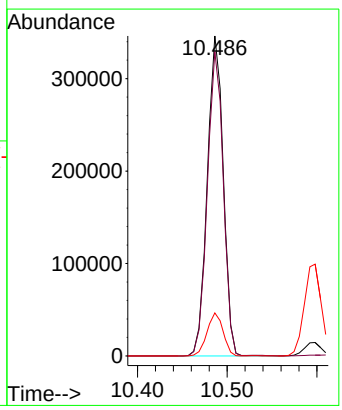


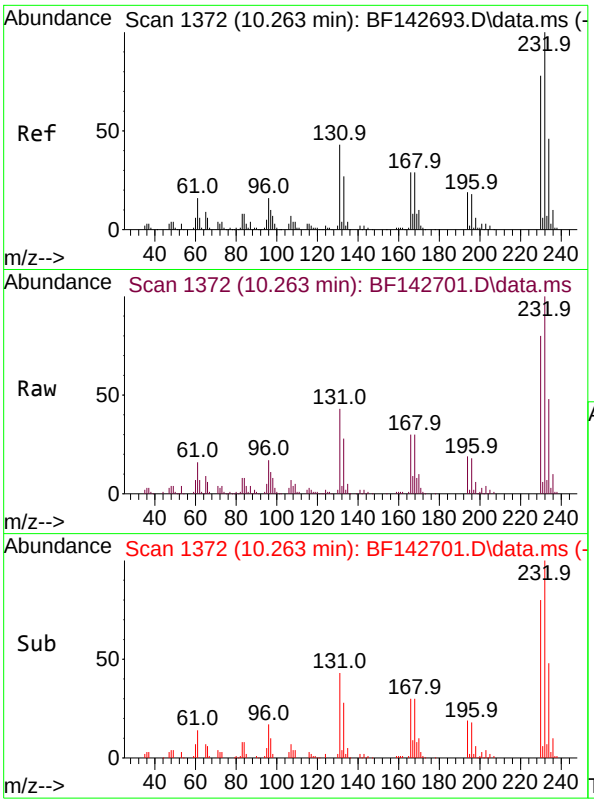


#58
Fluorene
Concen: 37.931 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:166 Resp: 428642

Ion	Ratio	Lower	Upper
166	100		
165	95.0	75.0	112.6
167	13.4	10.8	16.2



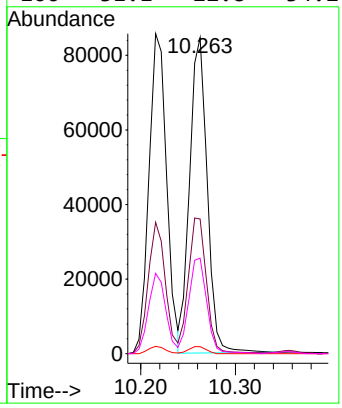


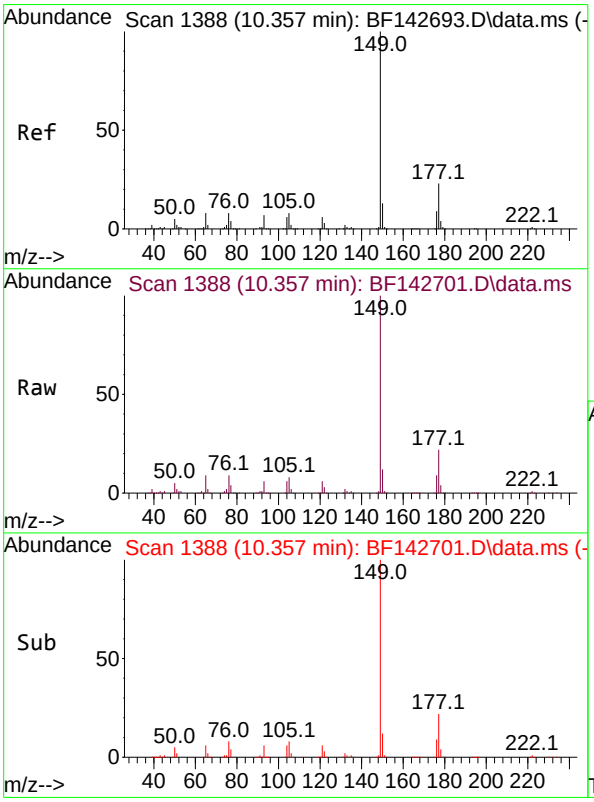
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.472 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 109391

Ion	Ratio	Lower	Upper
232	100		
131	44.5	33.5	50.3
130	2.3	1.5	2.3
166	31.1	22.8	34.2

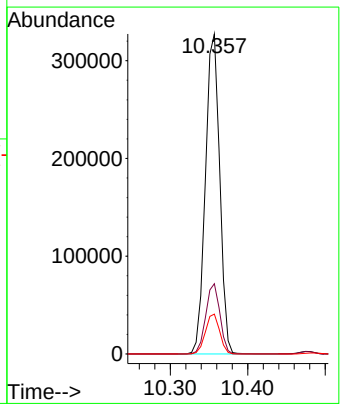


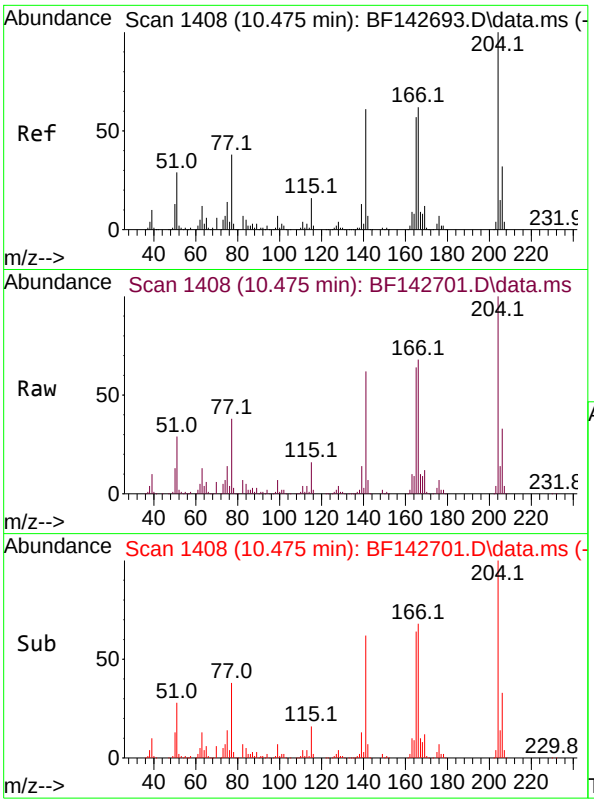


#60
Diethylphthalate
Concen: 38.431 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:149 Resp: 418791

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.0	27.0
150	12.4	10.0	15.0



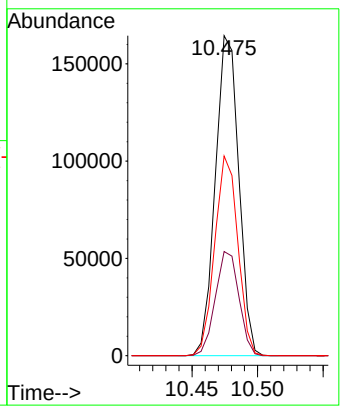


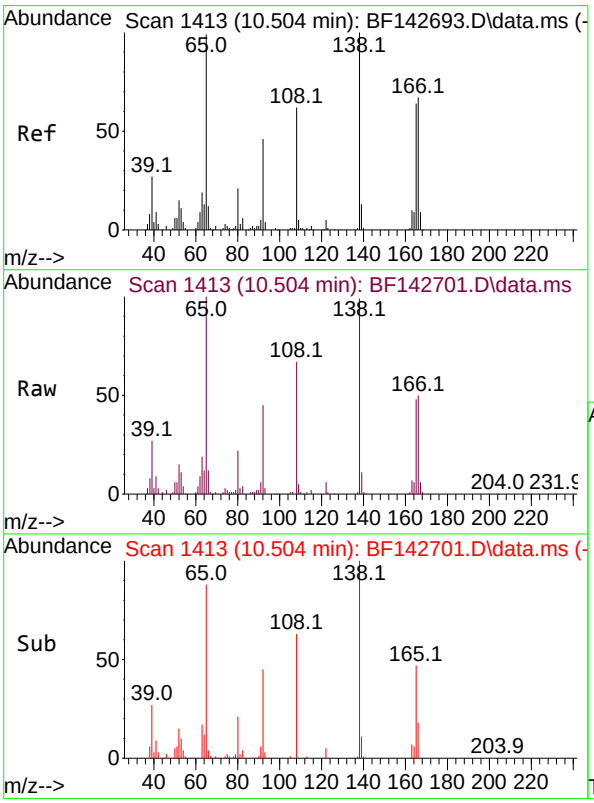
#61
4-Chlorophenyl-phenylether
Concen: 38.240 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 204309

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	62.4	48.9	73.3

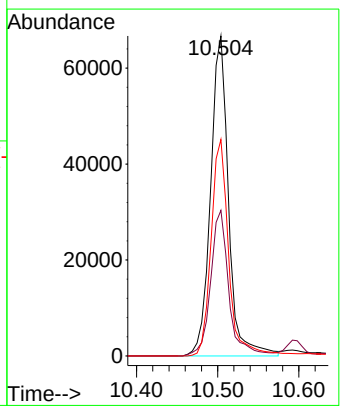


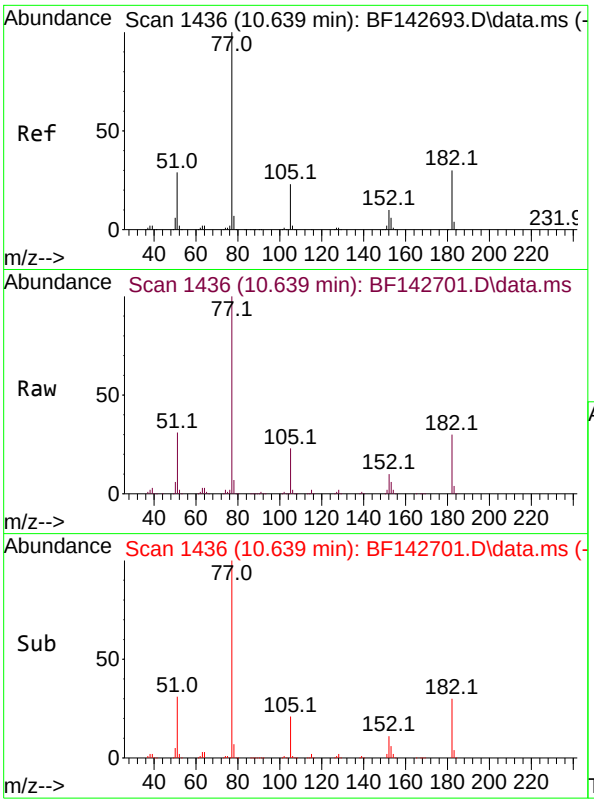


#62
4-Nitroaniline
Concen: 39.625 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:138 Resp: 102557

Ion	Ratio	Lower	Upper
138	100		
92	45.5	25.8	65.8
108	67.7	42.3	82.3



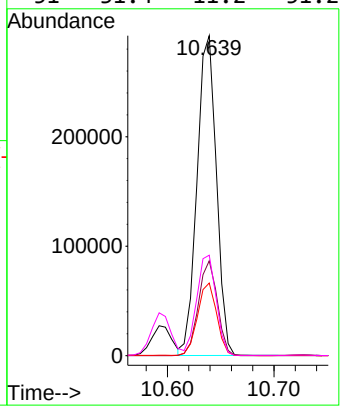


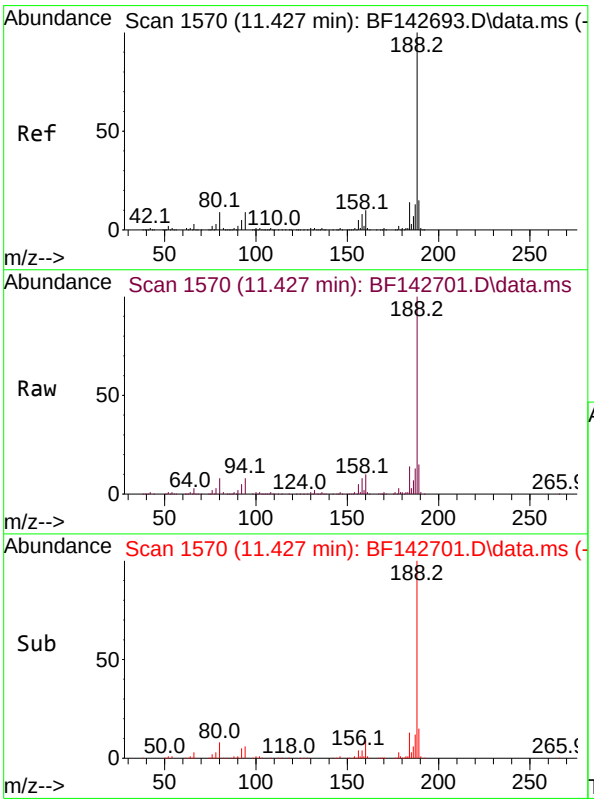
#63
Azobenzene
Concen: 37.868 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 369655

Ion	Ratio	Lower	Upper
77	100		
182	29.7	9.5	49.5
105	22.7	2.3	42.3
51	31.4	11.2	51.2

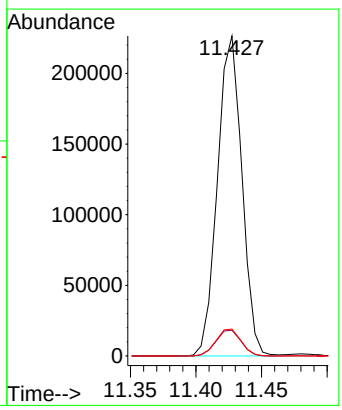


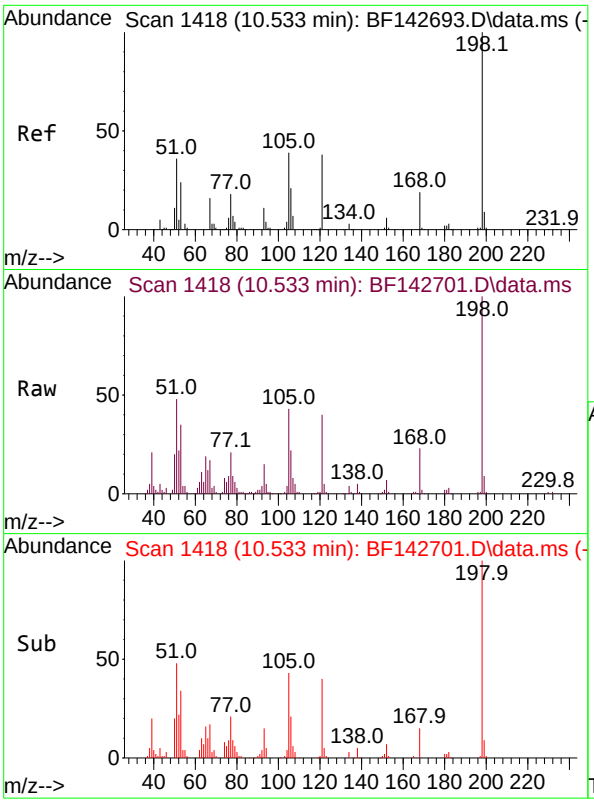


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:188 Resp: 293543

Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.0	10.4
80	8.4	7.2	10.8



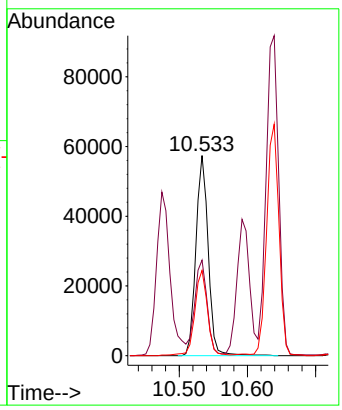


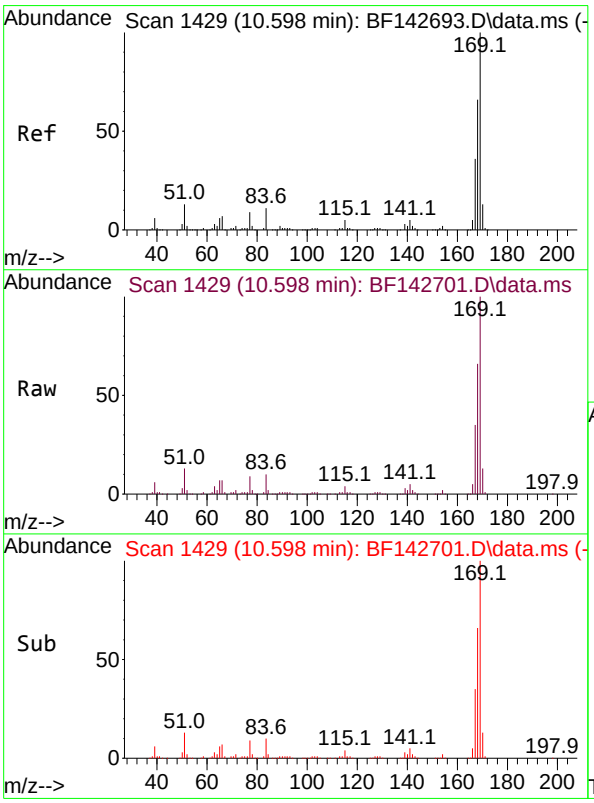
#65
4,6-Dinitro-2-methylphenol
Concen: 38.409 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 71910

Ion	Ratio	Lower	Upper
198	100		
51	47.7	25.9	65.9
105	42.6	20.0	60.0

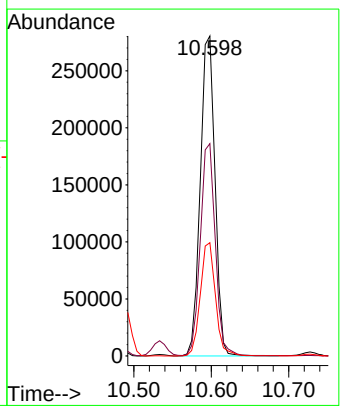


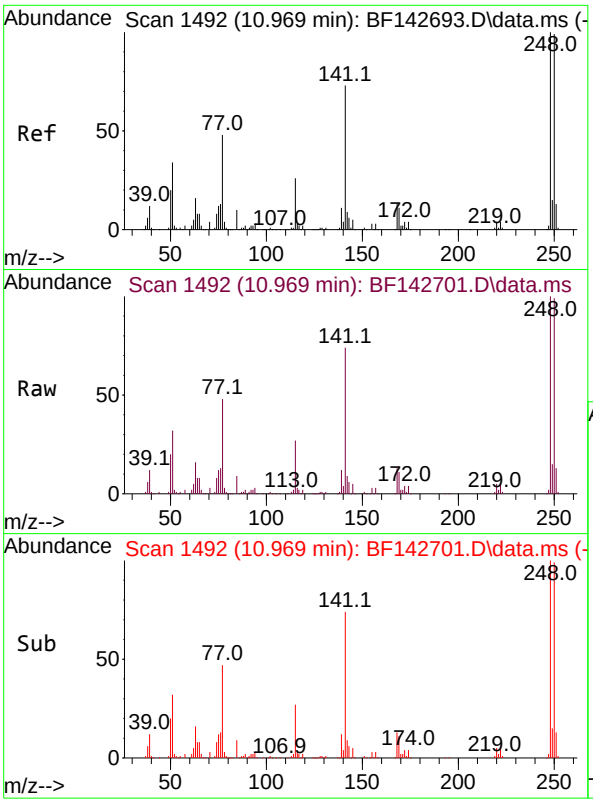


#66
n-Nitrosodiphenylamine
Concen: 39.088 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:169 Resp: 370457

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.1	79.7
167	35.4	28.4	42.6



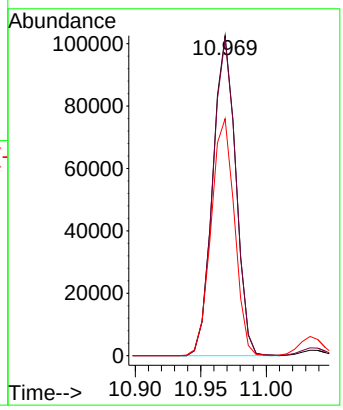


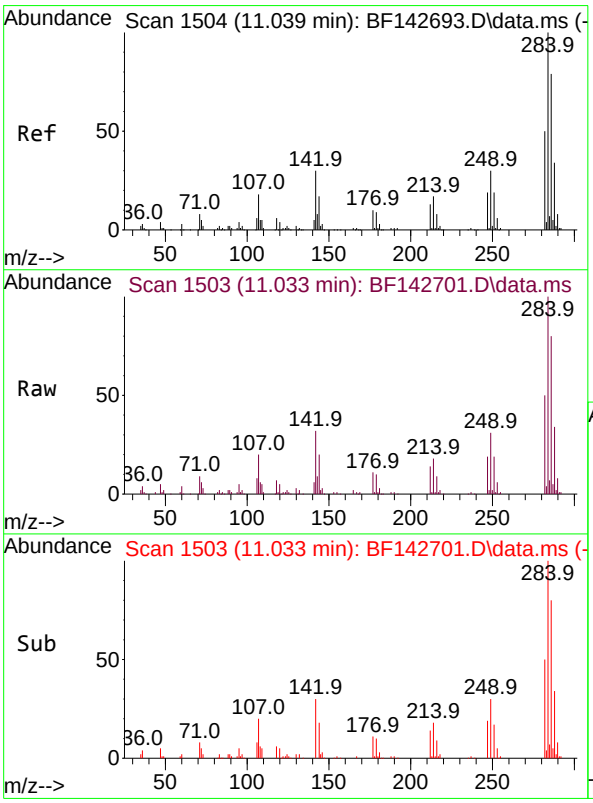
#67
4-Bromophenyl-phenylether
Concen: 38.429 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 124684

Ion	Ratio	Lower	Upper
248	100		
250	99.1	79.1	118.7
141	74.0	58.5	87.7

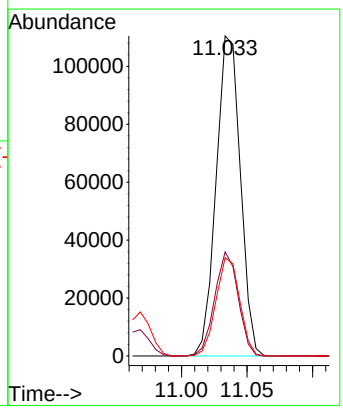


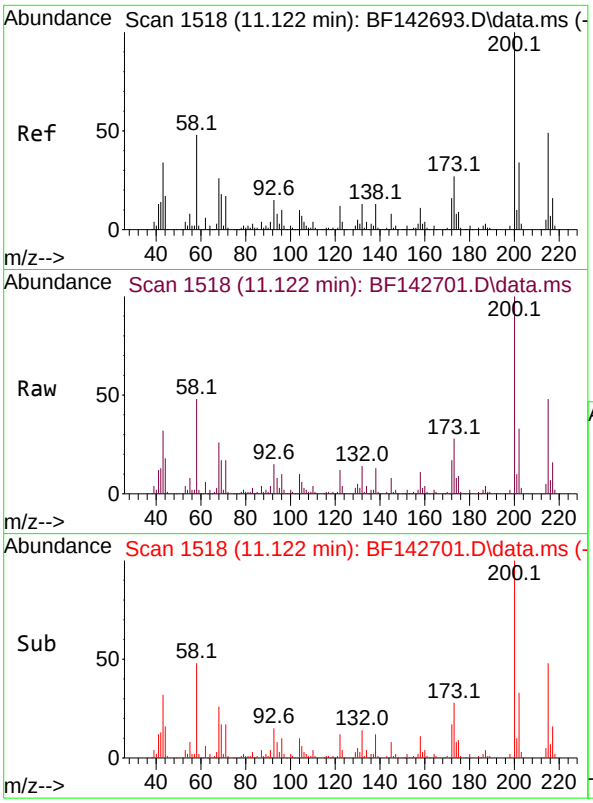


#68
Hexachlorobenzene
Concen: 38.003 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:284 Resp: 141680

Ion	Ratio	Lower	Upper
284	100		
142	32.5	23.6	35.4
249	30.7	23.8	35.8



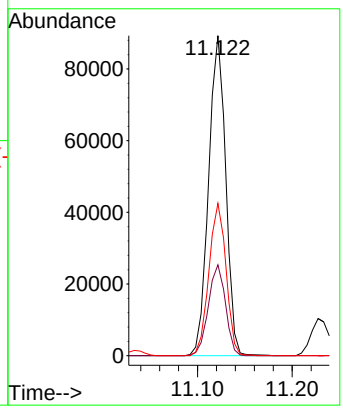


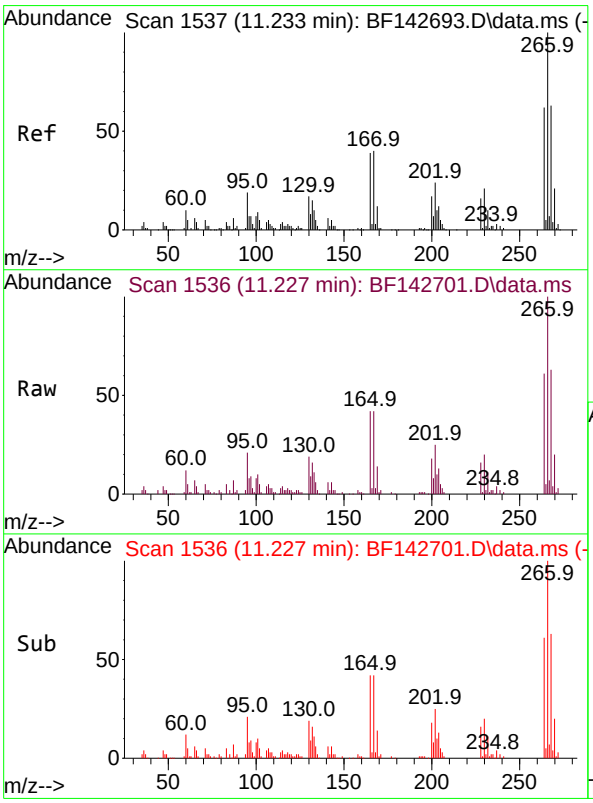
#69
Atrazine
Concen: 39.017 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 112142

Ion	Ratio	Lower	Upper
200	100		
173	28.4	7.4	47.4
215	47.6	28.9	68.9

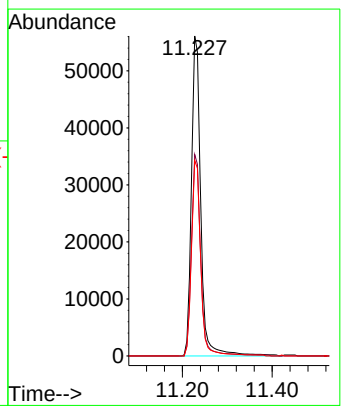


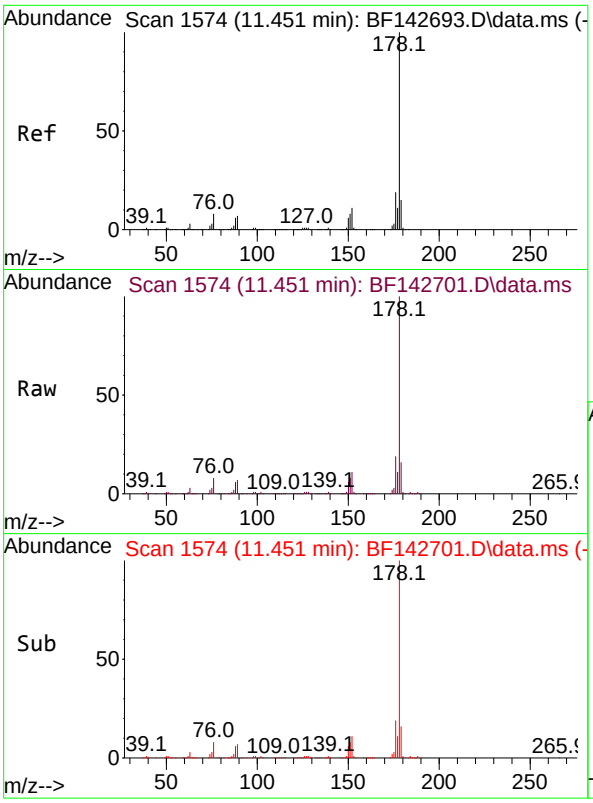


#70
Pentachlorophenol
Concen: 39.484 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:266 Resp: 80951

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.8	76.2
264	61.1	49.7	74.5



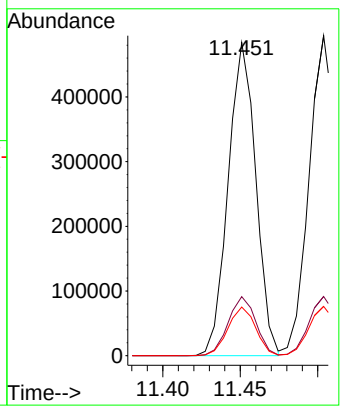


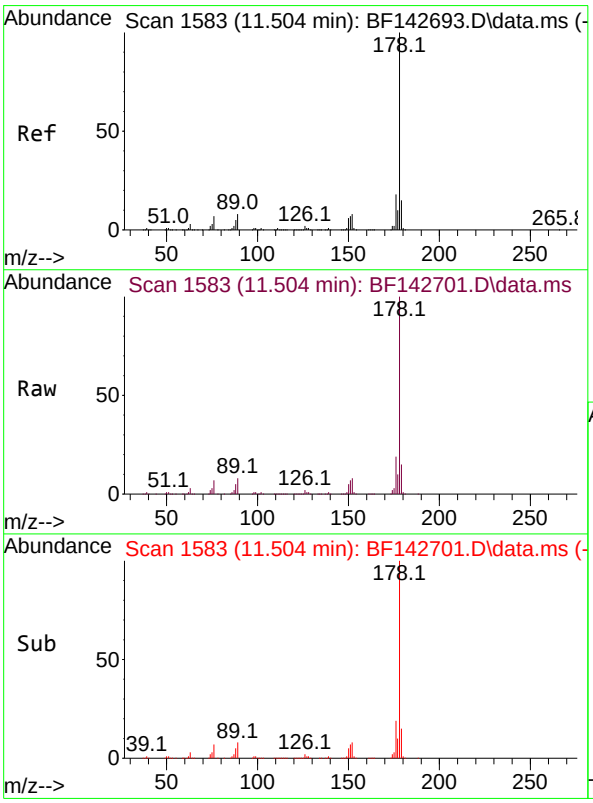
#71
Phenanthrene
Concen: 38.283 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 600773

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.4	18.6

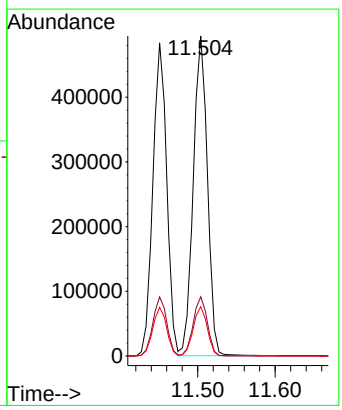


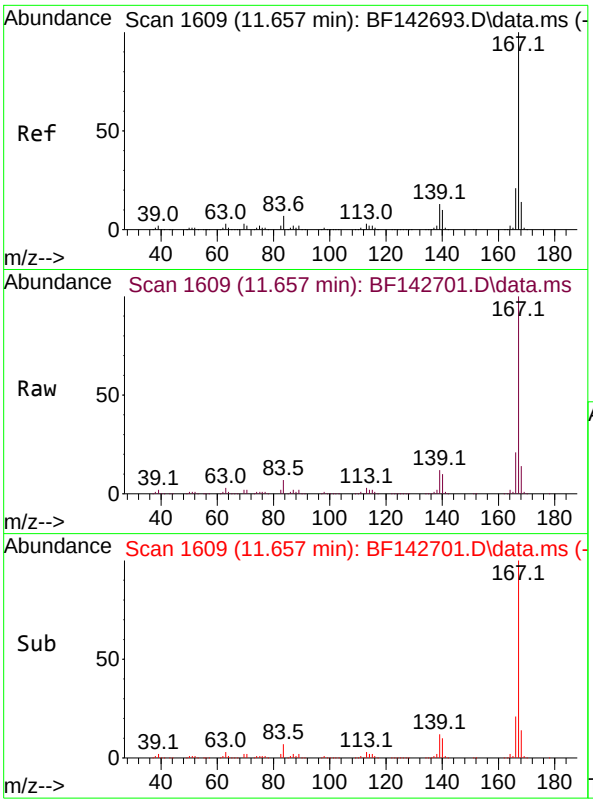


#72
Anthracene
Concen: 38.428 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:178 Resp: 625814

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.2	18.2



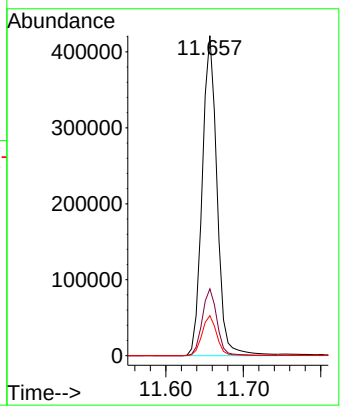


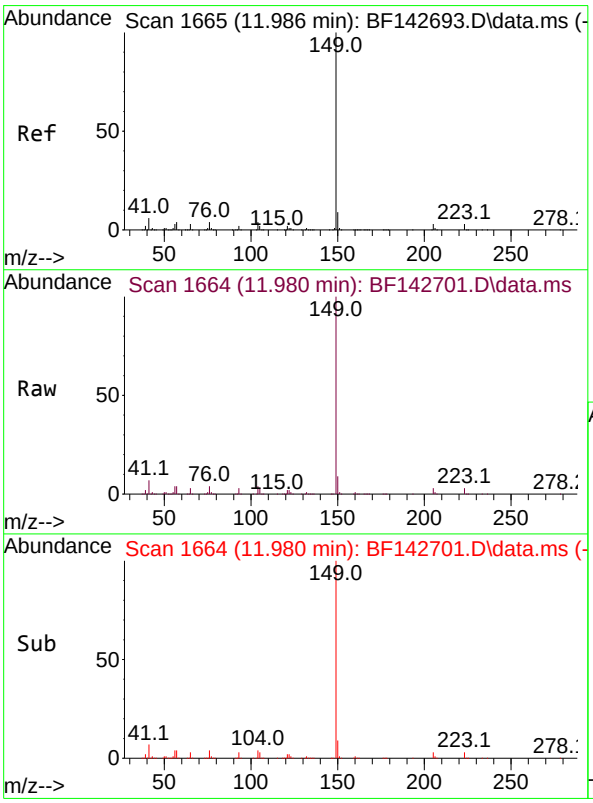
#73
Carbazole
Concen: 38.179 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 559884

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.5	10.1	15.1

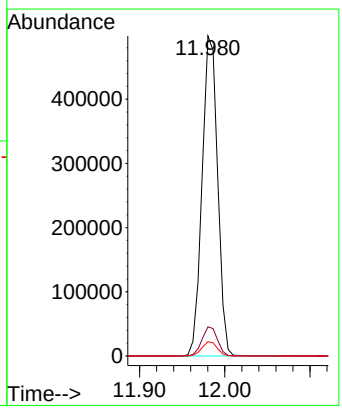


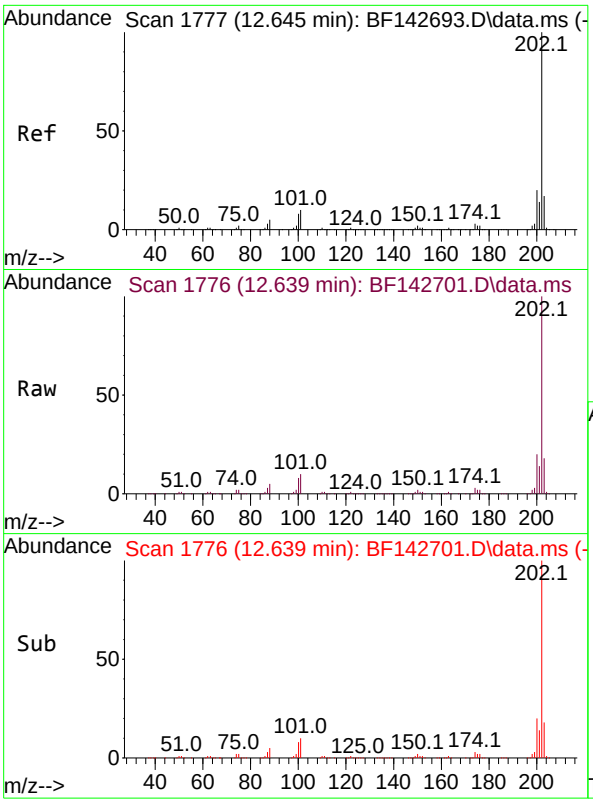


#74
Di-n-butylphthalate
Concen: 40.532 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:149 Resp: 631001

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.4	3.3	4.9



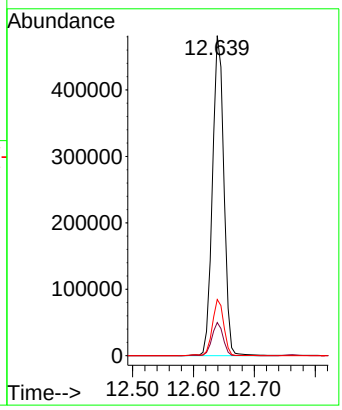


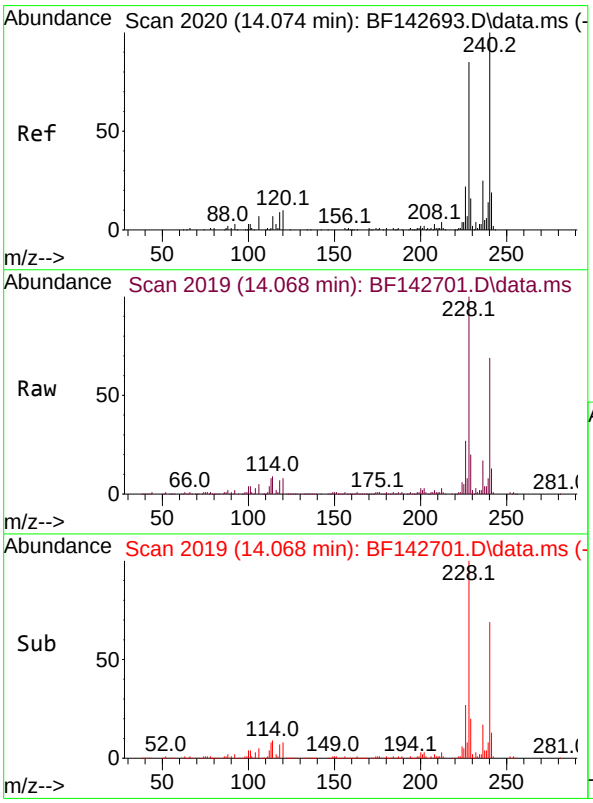
#75
Fluoranthene
Concen: 39.855 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 626640

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.2
203	17.5	0.0	37.3

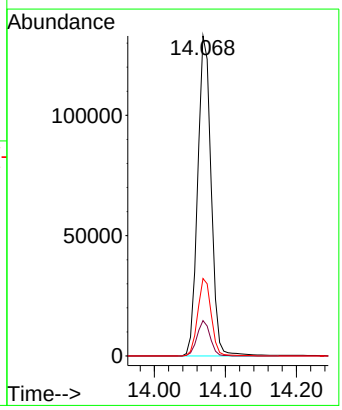


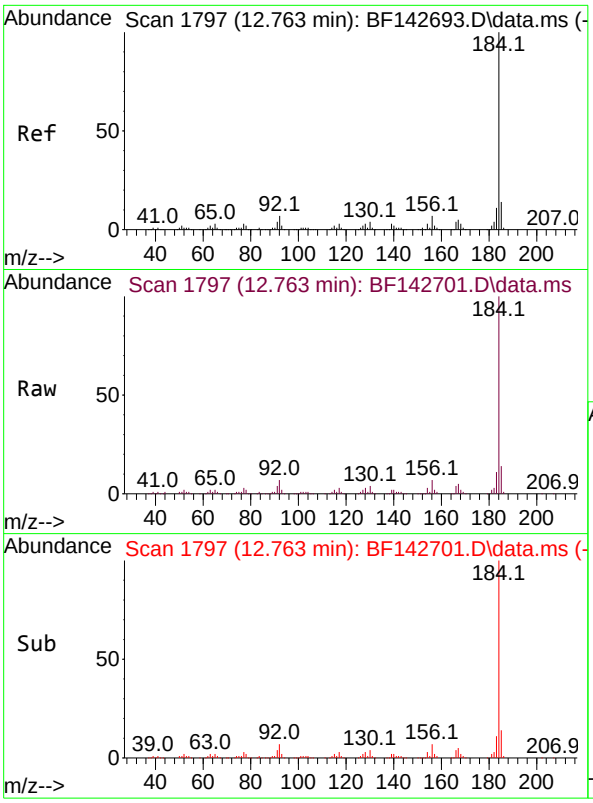


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:240 Resp: 175532

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	24.2	20.2	30.2



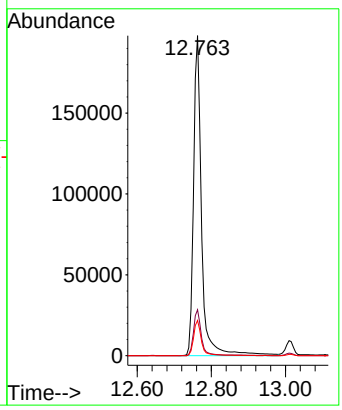


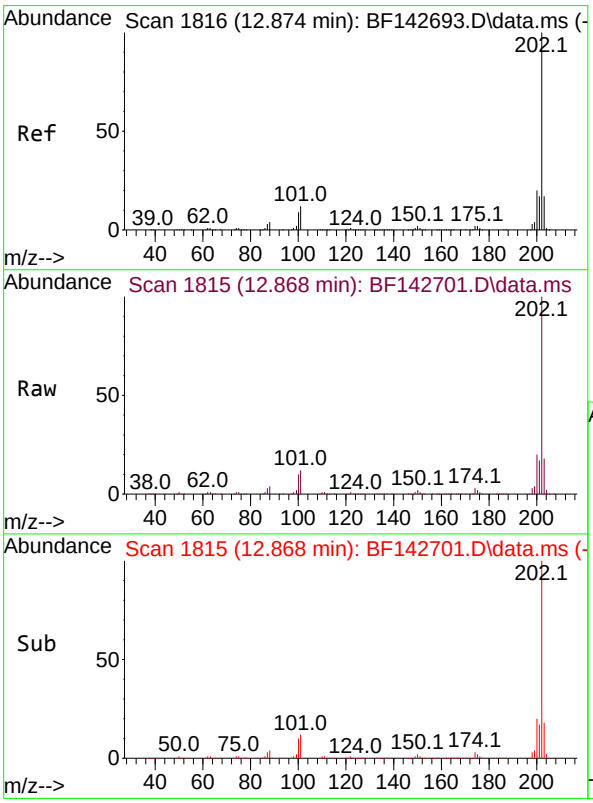
#77
Benzidine
Concen: 49.390 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 299213

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.0	8.9	13.3

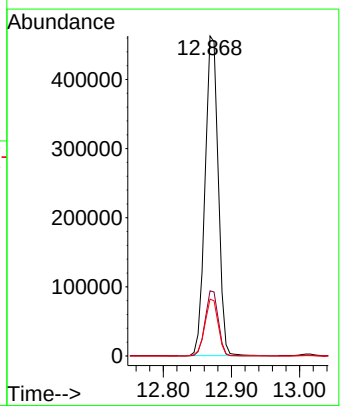


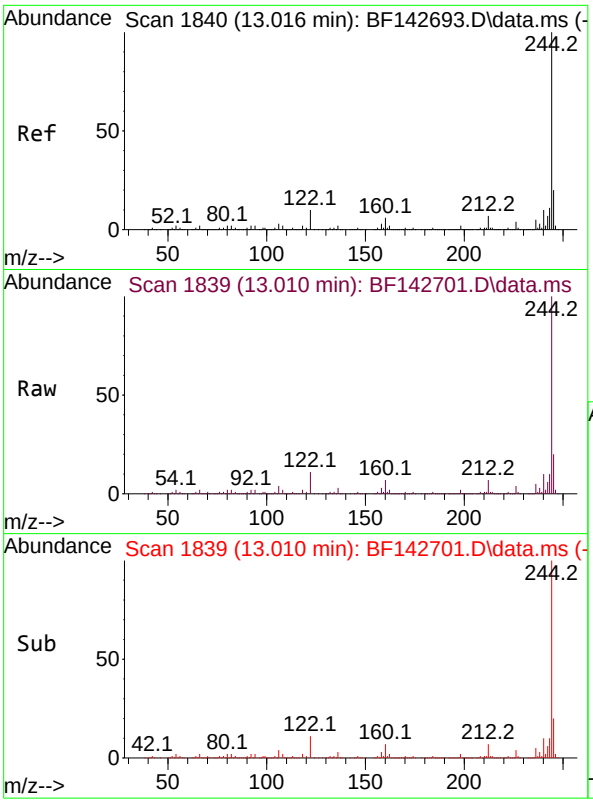


#78
Pyrene
Concen: 43.445 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:202 Resp: 621389

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	17.8	13.9	20.9



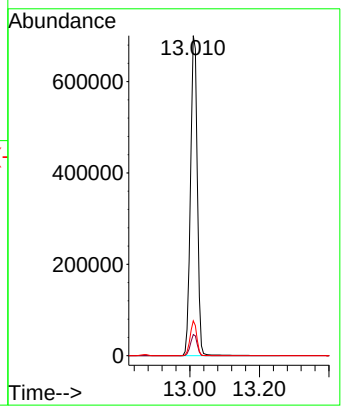


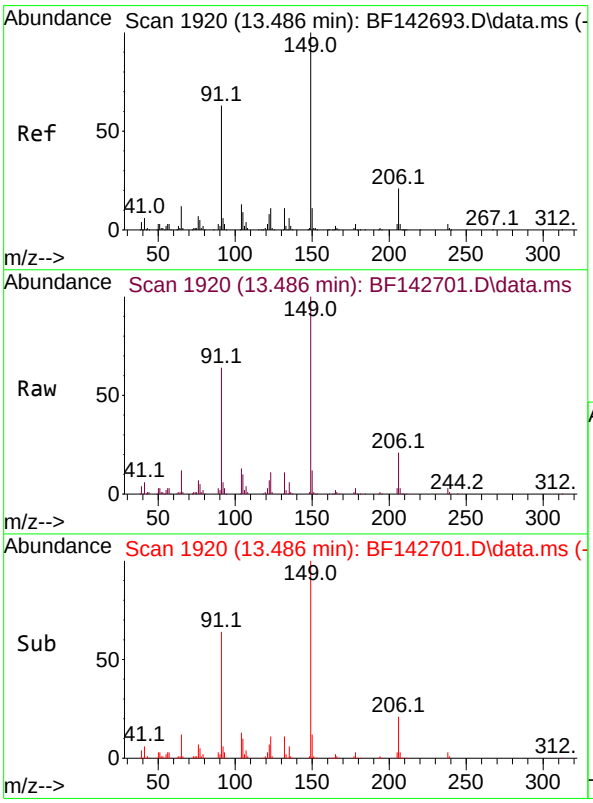
#79
Terphenyl-d14
Concen: 85.786 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 952131

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	10.9	8.2	12.2

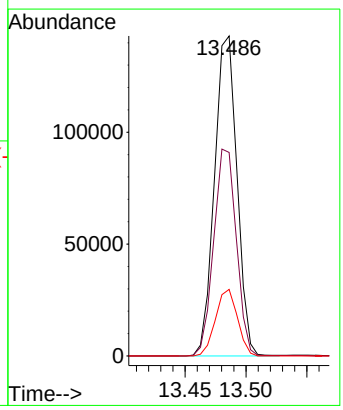


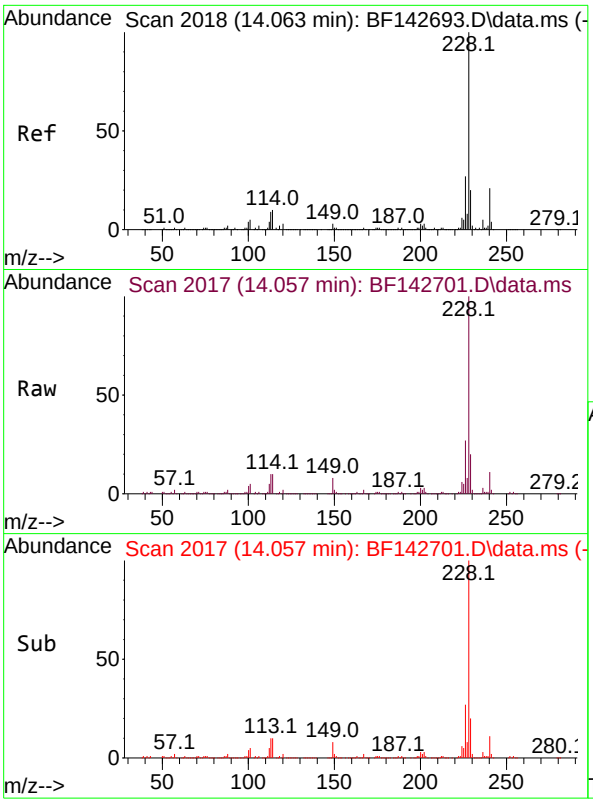


#80
Butylbenzylphthalate
Concen: 41.860 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.000 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:149 Resp: 184382

Ion	Ratio	Lower	Upper
149	100		
91	63.6	50.5	75.7
206	20.8	16.9	25.3



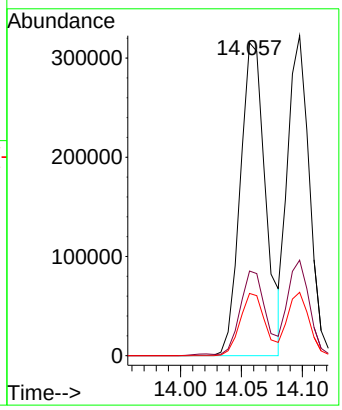


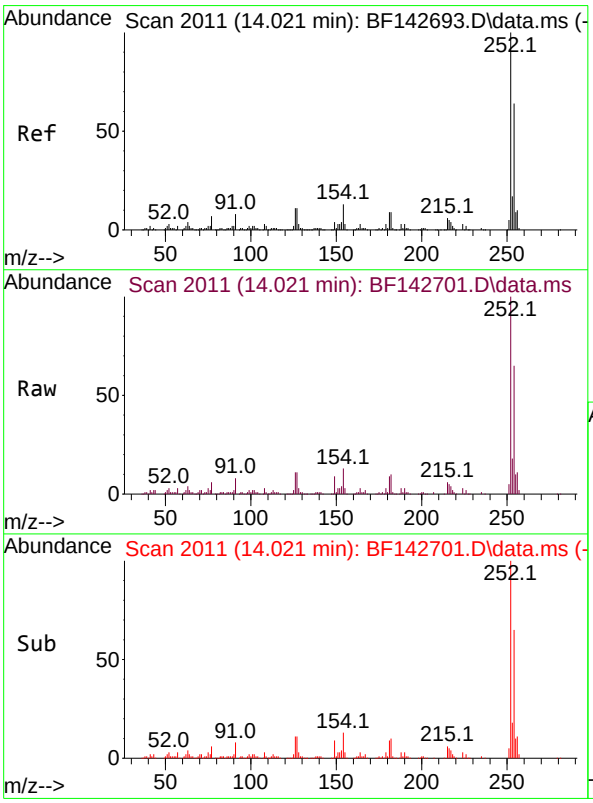
#81
Benzo(a)anthracene
Concen: 40.085 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 456637

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.9	15.8	23.6

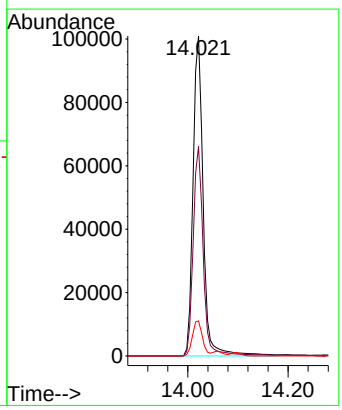


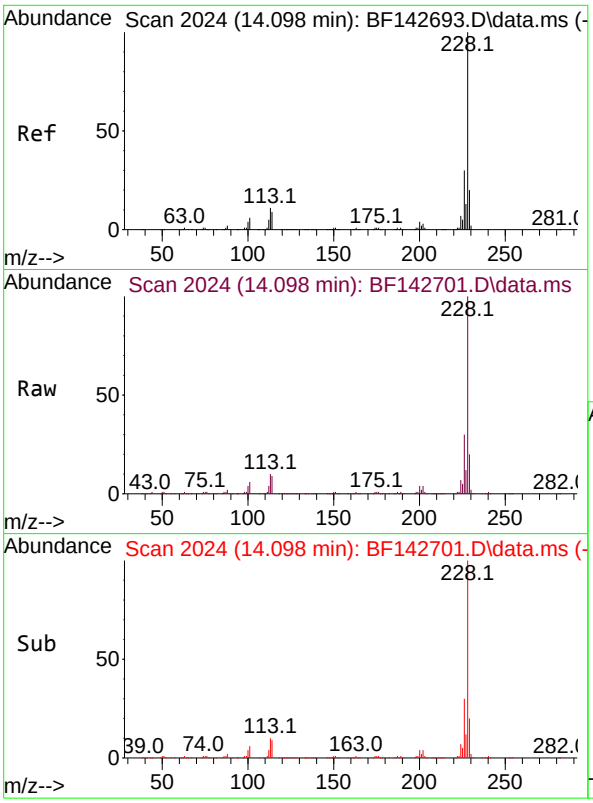


#82
3,3'-Dichlorobenzidine
Concen: 39.011 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:252 Resp: 142055

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.4	77.2
126	11.0	9.1	13.7



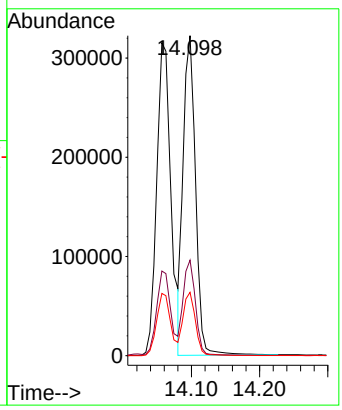


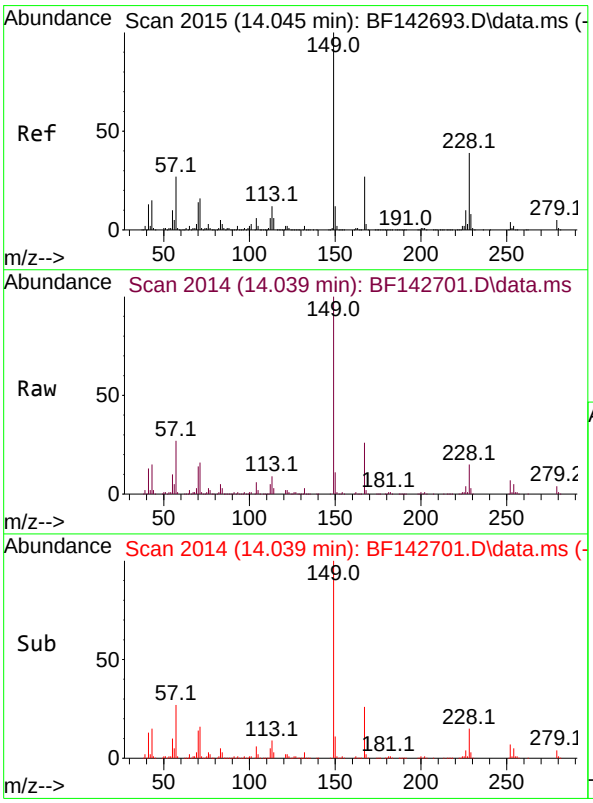
#83
Chrysene
Concen: 37.423 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 403804

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.8	15.8	23.6

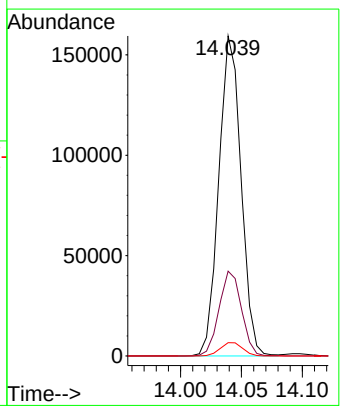


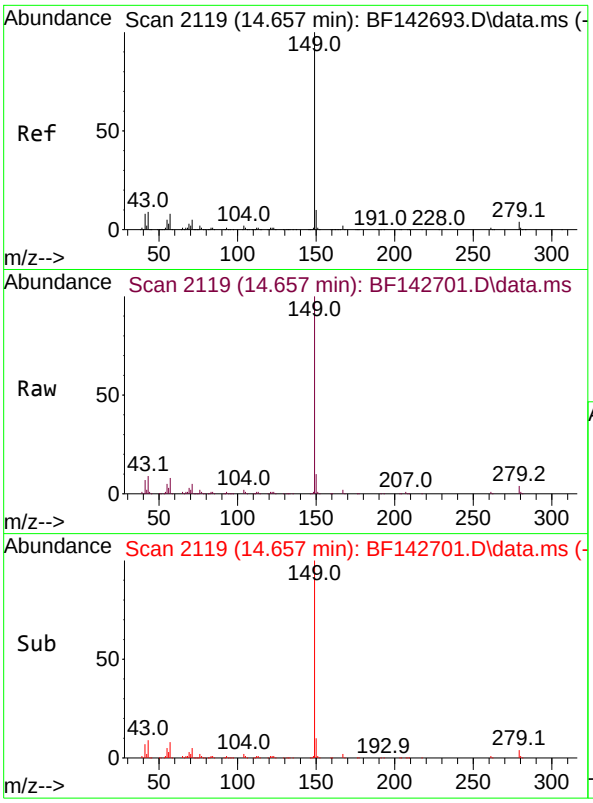


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.311 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:149 Resp: 202723

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.9	32.9
279	4.2	3.6	5.4



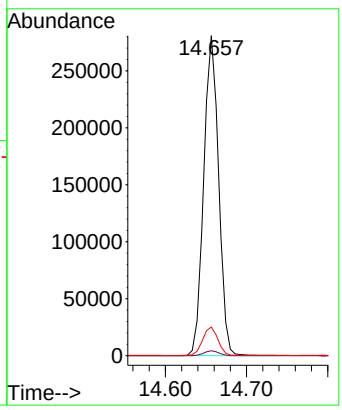


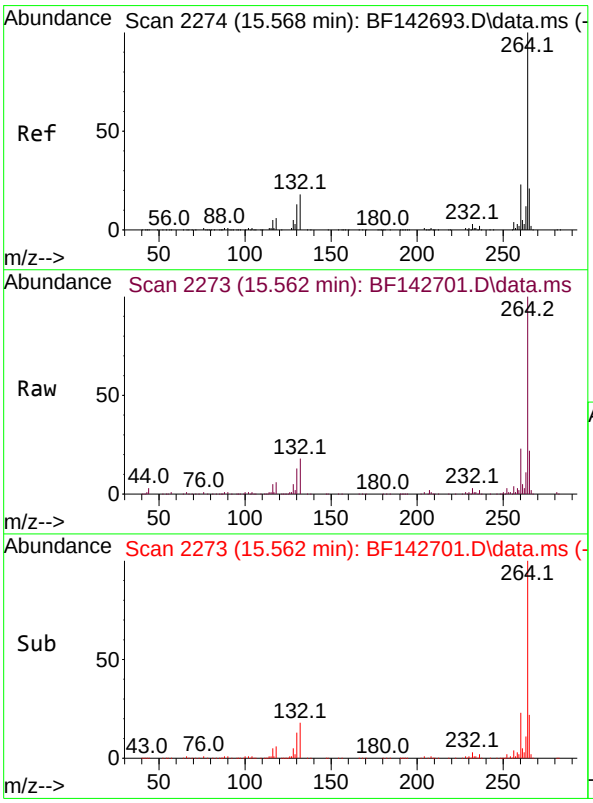
#85
Di-n-octyl phthalate
Concen: 36.570 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 357683

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.1	7.5	11.3

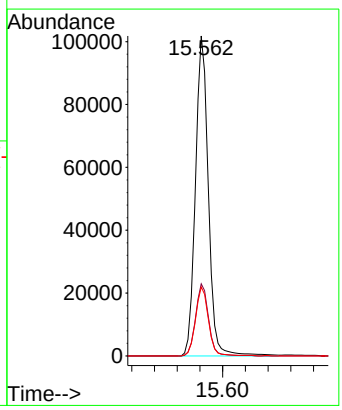


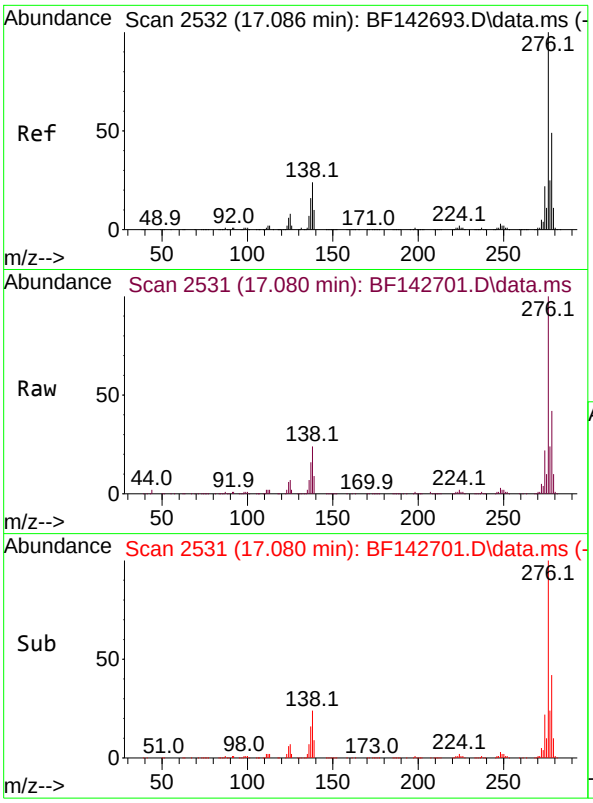


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:264 Resp: 161327

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.6	17.0	25.4



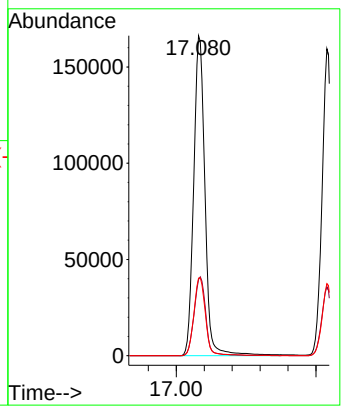


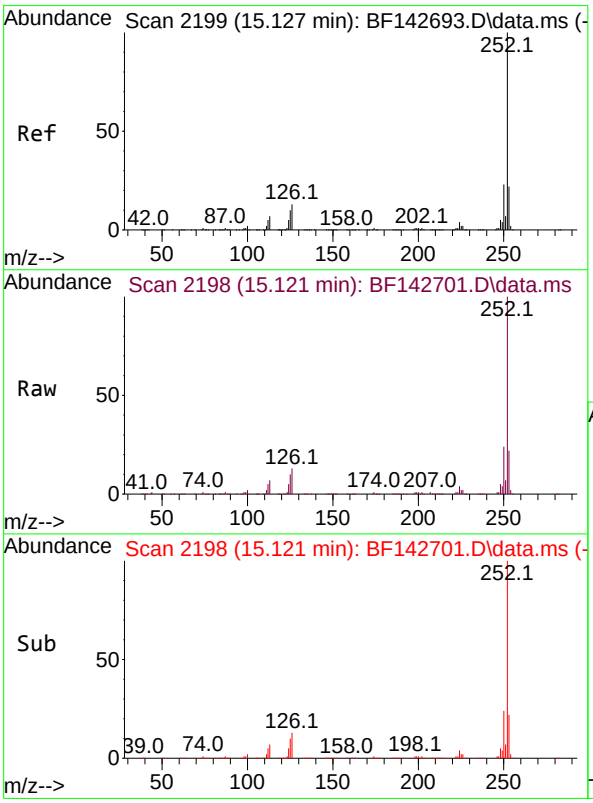
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.860 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 466281

Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.8	31.2
277	24.7	20.2	30.2

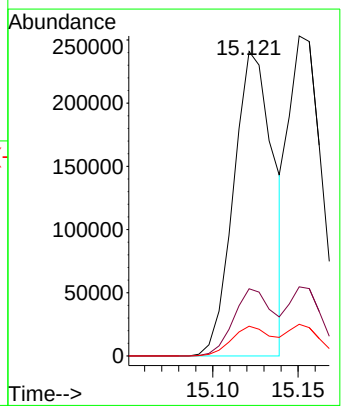


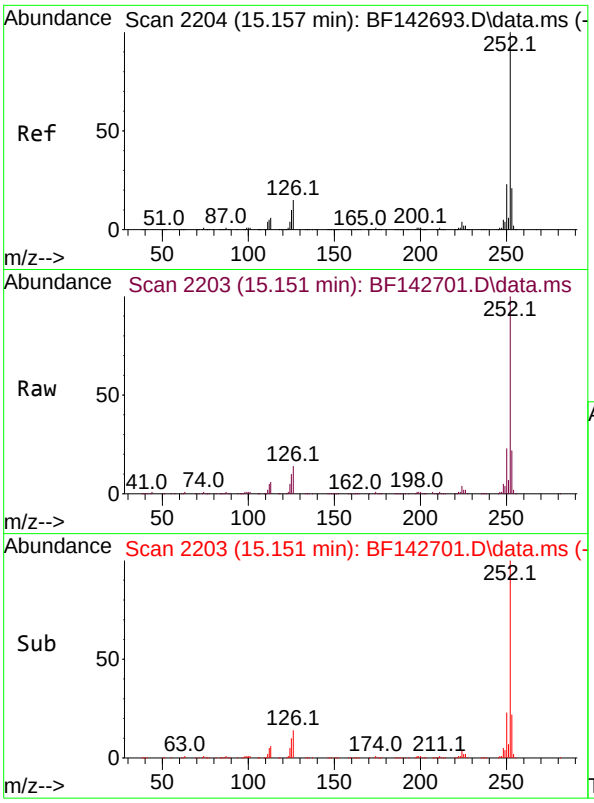


#88
Benzo(b)fluoranthene
Concen: 40.476 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:252 Resp: 390125

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.8	7.8	11.8



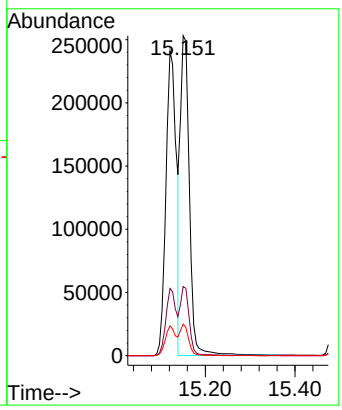


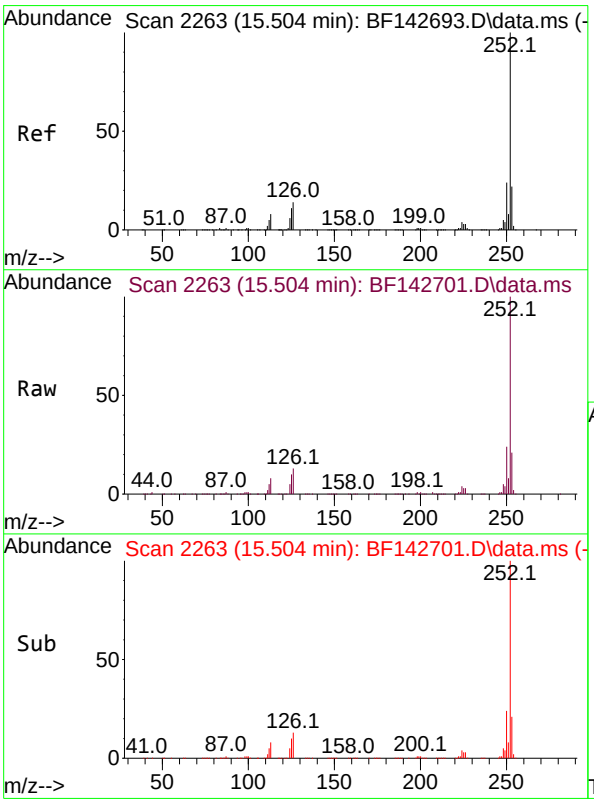
#89
Benzo(k)fluoranthene
Concen: 39.091 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 354548

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	9.9	7.7	11.5

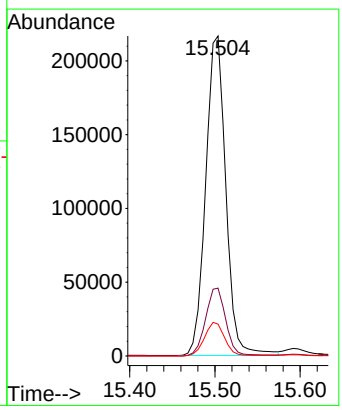


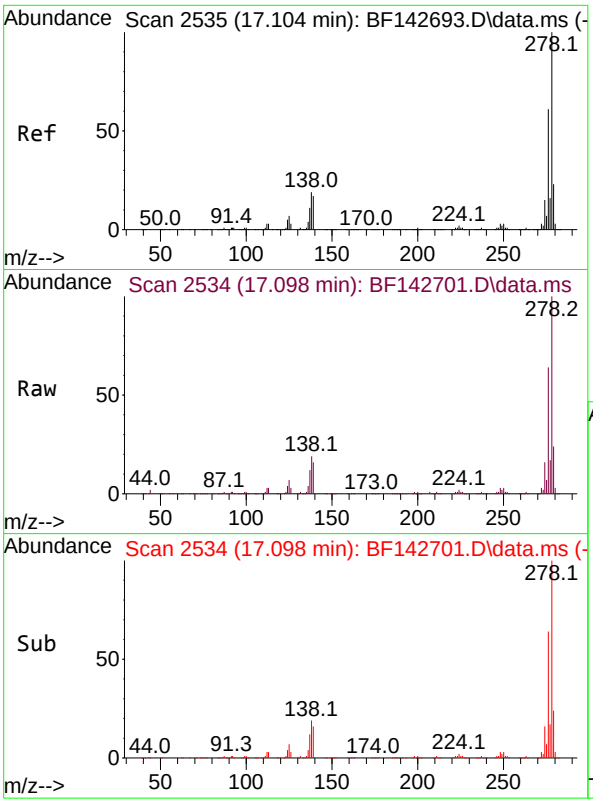


#90
Benzo(a)pyrene
Concen: 39.406 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:252 Resp: 355908

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	9.9	8.8	13.2



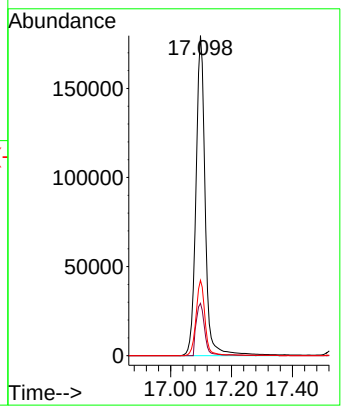


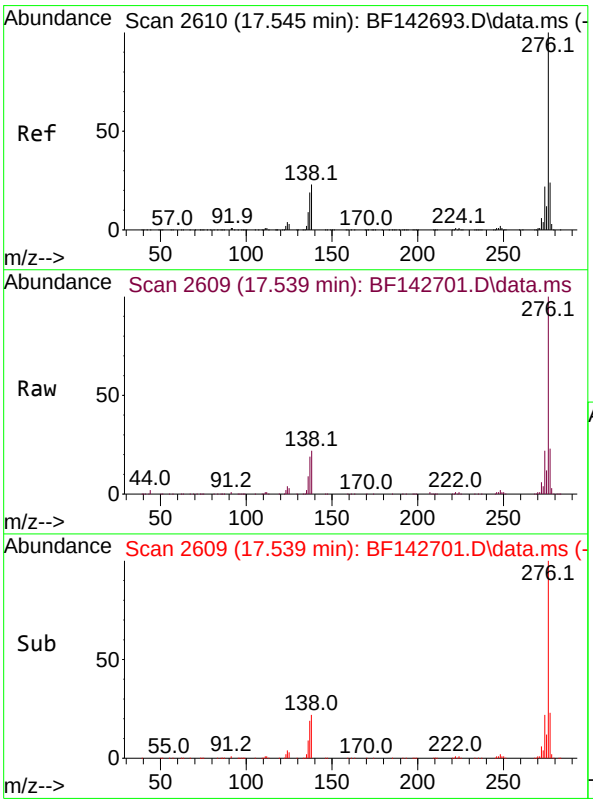
#91
Dibenzo(a,h)anthracene
Concen: 41.392 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 380245

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.4	20.0
279	23.5	18.7	28.1

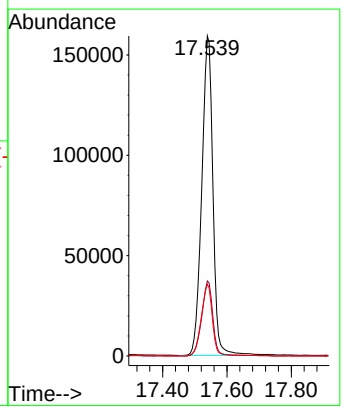




#92
Benzo(g,h,i)perylene
Concen: 40.422 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF142701.D
Acq: 10 Jun 2025 09:39

Tgt Ion:276 Resp: 384516

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	22.5	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	84	0.00
2		1,4-Dioxane	0.451	0.491	-8.9	92	0.00
3		Pyridine	1.163	1.242	-6.8	90	0.00
4		n-Nitrosodimethylamine	0.566	0.588	-3.9	89	-0.03
5	S	2-Fluorophenol	1.178	1.169	0.8	85	0.00
6		Aniline	1.855	1.866	-0.6	84	0.00
7	S	Phenol-d6	1.381	1.389	-0.6	84	-0.01
8		2-Chlorophenol	1.285	1.275	0.8	85	0.00
9		Benzaldehyde	0.779	0.820	-5.3	84	0.00
10	C	Phenol	1.547	1.560	-0.8	84	-0.01
11		bis(2-Chloroethyl)ether	1.127	1.110	1.5	83	0.00
12		1,3-Dichlorobenzene	1.439	1.432	0.5	85	0.00
13	C	1,4-Dichlorobenzene	1.472	1.456	1.1	84	0.00
14		1,2-Dichlorobenzene	1.403	1.392	0.8	83	0.00
15		Benzyl Alcohol	1.010	1.016	-0.6	84	-0.01
16		2,2'-oxybis(1-Chloropropane	1.835	1.719	6.3	77	0.00
17		2-Methylphenol	0.985	0.978	0.7	82	0.00
18		Hexachloroethane	0.506	0.506	0.0	87	0.00
19	P	n-Nitroso-di-n-propylamine	0.810	0.809	0.1	82	-0.01
20		3+4-Methylphenols	1.214	1.220	-0.5	83	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22		Acetophenone	0.437	0.430	1.6	83	-0.01
23	S	Nitrobenzene-d5	0.364	0.361	0.8	86	0.00
24		Nitrobenzene	0.328	0.326	0.6	85	0.00
25		Isophorone	0.590	0.582	1.4	87	-0.01
26	C	2-Nitrophenol	0.181	0.180	0.6	83	0.00
27		2,4-Dimethylphenol	0.308	0.306	0.6	86	-0.01
28		bis(2-Chloroethoxy)methane	0.370	0.358	3.2	80	0.00
29	C	2,4-Dichlorophenol	0.282	0.283	-0.4	81	0.00
30		1,2,4-Trichlorobenzene	0.307	0.305	0.7	86	0.00
31		Naphthalene	0.986	0.964	2.2	83	0.00
32		Benzoic acid	0.187	0.175	6.4	79	-0.04
33		4-Chloroaniline	0.405	0.398	1.7	82	0.00
34	C	Hexachlorobutadiene	0.189	0.187	1.1	85	0.00
35		Caprolactam	0.087	0.086	1.1	85	-0.03
36	C	4-Chloro-3-methylphenol	0.291	0.286	1.7	91	-0.01
37		2-Methylnaphthalene	0.620	0.597	3.7	89	0.00
38		1-Methylnaphthalene	0.642	0.610	5.0	86	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.560	3.1	86	0.00
41	P	Hexachlorocyclopentadiene	0.339	0.345	-1.8	87	0.00
42	S	2,4,6-Tribromophenol	0.225	0.215	4.4	82	0.00
43	C	2,4,6-Trichlorophenol	0.379	0.380	-0.3	86	0.00
44		2,4,5-Trichlorophenol	0.405	0.399	1.5	86	0.00
45	S	2-Fluorobiphenyl	1.462	1.415	3.2	86	0.00
46		1,1'-Biphenyl	1.555	1.485	4.5	82	0.00
47		2-Chloronaphthalene	1.165	1.109	4.8	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	0.347	0.333	4.0	79	0.00
49		Acenaphthylene	1.931	1.879	2.7	82	0.00
50		Dimethylphthalate	1.346	1.284	4.6	82	-0.01
51		2,6-Dinitrotoluene	0.291	0.284	2.4	85	0.00
52	C	Acenaphthene	1.181	1.157	2.0	82	0.00
53		3-Nitroaniline	0.327	0.323	1.2	83	0.00
54	P	2,4-Dinitrophenol	0.161	0.158	1.9	81	0.00
55		Dibenzofuran	1.695	1.656	2.3	84	0.00
56	P	4-Nitrophenol	0.225	0.230	-2.2	84	-0.01
57		2,4-Dinitrotoluene	0.390	0.384	1.5	82	-0.01
58		Fluorene	1.355	1.285	5.2	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.328	3.8	78	0.00
60		Diethylphthalate	1.306	1.255	3.9	84	0.00
61		4-Chlorophenyl-phenylether	0.640	0.612	4.4	83	0.00
62		4-Nitroaniline	0.310	0.307	1.0	82	-0.01
63		Azobenzene	1.170	1.108	5.3	84	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.122	4.7	79	-0.01
66	c	n-Nitrosodiphenylamine	0.646	0.631	2.3	87	0.00
67		4-Bromophenyl-phenylether	0.221	0.212	4.1	86	0.00
68		Hexachlorobenzene	0.254	0.241	5.1	85	0.00
69		Atrazine	0.196	0.191	2.6	86	0.00
70	C	Pentachlorophenol	0.140	0.138	1.4	81	0.00
71		Phenanthrene	1.069	1.023	4.3	92	0.00
72		Anthracene	1.110	1.066	4.0	92	0.00
73		Carbazole	0.999	0.954	4.5	88	0.00
74		Di-n-butylphthalate	1.061	1.075	-1.3	88	0.00
75	C	Fluoranthene	1.071	1.067	0.4	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	75	0.00
77		Benzidine	0.690	0.852	-23.5	88	0.00
78		Pyrene	1.630	1.770	-8.6	91	0.00
79	S	Terphenyl-d14	1.265	1.356	-7.2	93	0.00
80		Butylbenzylphthalate	0.502	0.525	-4.6	82	0.00
81		Benzo(a)anthracene	1.298	1.301	-0.2	76	0.00
82		3,3'-Dichlorobenzidine	0.415	0.405	2.4	71	0.00
83		Chrysene	1.229	1.150	6.4	72	0.00
84		Bis(2-ethylhexyl)phthalate	0.573	0.577	-0.7	72	0.00
85	c	Di-n-octyl phthalate	1.114	1.019	8.5	70	0.00
86	I	Perylene-d12	1.000	1.000	0.0	72	0.00
87		Indeno(1,2,3-cd)pyrene	1.415	1.445	-2.1	73	-0.02
88		Benzo(b)fluoranthene	1.195	1.209	-1.2	76	-0.01
89		Benzo(k)fluoranthene	1.124	1.099	2.2	66	-0.01
90	C	Benzo(a)pyrene	1.120	1.103	1.5	72	0.00
91		Dibenzo(a,h)anthracene	1.139	1.178	-3.4	75	-0.02
92		Benzo(g,h,i)perylene	1.179	1.192	-1.1	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_F
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Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	84	0.00
2		1,4-Dioxane	40.000	43.552	-8.9	92	0.00
3		Pyridine	40.000	42.714	-6.8	90	0.00
4		n-Nitrosodimethylamine	40.000	41.520	-3.8	89	-0.03
5	S	2-Fluorophenol	80.000	79.406	0.7	85	0.00
6		Aniline	40.000	40.253	-0.6	84	0.00
7	S	Phenol-d6	80.000	80.448	-0.6	84	-0.01
8		2-Chlorophenol	40.000	39.695	0.8	85	0.00
9		Benzaldehyde	40.000	42.139	-5.3	84	0.00
10	C	Phenol	40.000	40.332	-0.8	84	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.405	1.5	83	0.00
12		1,3-Dichlorobenzene	40.000	39.791	0.5	85	0.00
13	C	1,4-Dichlorobenzene	40.000	39.577	1.1	84	0.00
14		1,2-Dichlorobenzene	40.000	39.669	0.8	83	0.00
15		Benzyl Alcohol	40.000	40.213	-0.5	84	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.463	6.3	77	0.00
17		2-Methylphenol	40.000	39.689	0.8	82	0.00
18		Hexachloroethane	40.000	40.062	-0.2	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.986	0.0	82	-0.01
20		3+4-Methylphenols	40.000	40.199	-0.5	83	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22		Acetophenone	40.000	39.355	1.6	83	-0.01
23	S	Nitrobenzene-d5	80.000	79.369	0.8	86	0.00
24		Nitrobenzene	40.000	39.673	0.8	85	0.00
25		Isophorone	40.000	39.401	1.5	87	-0.01
26	C	2-Nitrophenol	40.000	39.812	0.5	83	0.00
27		2,4-Dimethylphenol	40.000	39.786	0.5	86	-0.01
28		bis(2-Chloroethoxy)methane	40.000	38.628	3.4	80	0.00
29	C	2,4-Dichlorophenol	40.000	40.213	-0.5	81	0.00
30		1,2,4-Trichlorobenzene	40.000	39.617	1.0	86	0.00
31		Naphthalene	40.000	39.123	2.2	83	0.00
32		Benzoic acid	40.000	37.574	6.1	79	-0.04
33		4-Chloroaniline	40.000	39.310	1.7	82	0.00
34	C	Hexachlorobutadiene	40.000	39.429	1.4	85	0.00
35		Caprolactam	40.000	39.561	1.1	85	-0.03
36	C	4-Chloro-3-methylphenol	40.000	39.367	1.6	91	-0.01
37		2-Methylnaphthalene	40.000	38.489	3.8	89	0.00
38		1-Methylnaphthalene	40.000	38.016	5.0	86	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.764	3.1	86	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.634	-1.6	87	0.00
42	S	2,4,6-Tribromophenol	80.000	76.715	4.1	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.077	-0.2	86	0.00
44		2,4,5-Trichlorophenol	40.000	39.425	1.4	86	0.00
45	S	2-Fluorobiphenyl	80.000	77.406	3.2	86	0.00
46		1,1'-Biphenyl	40.000	38.184	4.5	82	0.00
47		2-Chloronaphthalene	40.000	38.082	4.8	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.410	4.0	79	0.00
49		Acenaphthylene	40.000	38.910	2.7	82	0.00
50		Dimethylphthalate	40.000	38.162	4.6	82	-0.01
51		2,6-Dinitrotoluene	40.000	38.961	2.6	85	0.00
52	C	Acenaphthene	40.000	39.158	2.1	82	0.00
53		3-Nitroaniline	40.000	39.465	1.3	83	0.00
54	P	2,4-Dinitrophenol	40.000	39.150	2.1	81	0.00
55		Dibenzofuran	40.000	39.094	2.3	84	0.00
56	P	4-Nitrophenol	40.000	40.859	-2.1	84	-0.01
57		2,4-Dinitrotoluene	40.000	39.415	1.5	82	-0.01
58		Fluorene	40.000	37.931	5.2	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.472	3.8	78	0.00
60		Diethylphthalate	40.000	38.431	3.9	84	0.00
61		4-Chlorophenyl-phenylether	40.000	38.240	4.4	83	0.00
62		4-Nitroaniline	40.000	39.625	0.9	82	-0.01
63		Azobenzene	40.000	37.868	5.3	84	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.409	4.0	79	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.088	2.3	87	0.00
67		4-Bromophenyl-phenylether	40.000	38.429	3.9	86	0.00
68		Hexachlorobenzene	40.000	38.003	5.0	85	0.00
69		Atrazine	40.000	39.017	2.5	86	0.00
70	C	Pentachlorophenol	40.000	39.484	1.3	81	0.00
71		Phenanthrene	40.000	38.283	4.3	92	0.00
72		Anthracene	40.000	38.428	3.9	92	0.00
73		Carbazole	40.000	38.179	4.6	88	0.00
74		Di-n-butylphthalate	40.000	40.532	-1.3	88	0.00
75	C	Fluoranthene	40.000	39.855	0.4	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	75	0.00
77		Benzidine	40.000	49.390	-23.5	88	0.00
78		Pyrene	40.000	43.445	-8.6	91	0.00
79	S	Terphenyl-d14	80.000	85.786	-7.2	93	0.00
80		Butylbenzylphthalate	40.000	41.860	-4.6	82	0.00
81		Benzo(a)anthracene	40.000	40.085	-0.2	76	0.00
82		3,3'-Dichlorobenzidine	40.000	39.011	2.5	71	0.00
83		Chrysene	40.000	37.423	6.4	72	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.311	-0.8	72	0.00
85	c	Di-n-octyl phthalate	40.000	36.570	8.6	70	0.00
86	I	Perylene-d12	20.000	20.000	0.0	72	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.860	-2.1	73	-0.02
88		Benzo(b)fluoranthene	40.000	40.476	-1.2	76	-0.01
89		Benzo(k)fluoranthene	40.000	39.091	2.3	66	-0.01
90	C	Benzo(a)pyrene	40.000	39.406	1.5	72	0.00
91		Dibenzo(a,h)anthracene	40.000	41.392	-3.5	75	-0.02
92		Benzo(g,h,i)perylene	40.000	40.422	-1.1	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142701.D
Acq On : 10 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 11:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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: NOBI03

Lab Code: CHEM Case No.: Q2259 SAS No.: Q2259 SDG No.: Q2259

Instrument ID: BNA_F Calibration Date/Time: 06/10/2025 13:44

Lab File ID: BF142709.D Init. Calib. Date(s): 06/09/2025 06/09/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:09 16:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.176		-0.2	50.0
Phenol-d6	1.381	1.390		0.7	50.0
Nitrobenzene-d5	0.364	0.362		-0.5	50.0
Naphthalene	0.986	0.968		-1.8	50.0
2-Methylnaphthalene	0.620	0.605		-2.4	50.0
2-Fluorobiphenyl	1.462	1.453		-0.6	50.0
Acenaphthylene	1.931	1.886		-2.3	50.0
Acenaphthene	1.181	1.160		-1.8	50.0
Fluorene	1.355	1.273		-6.1	50.0
2,4,6-Tribromophenol	0.225	0.209		-7.1	50.0
Phenanthrene	1.069	1.051		-1.7	50.0
Anthracene	1.110	1.086		-2.2	50.0
Fluoranthene	1.071	0.973		-9.1	50.0
Pyrene	1.630	1.723		5.7	50.0
Terphenyl-d14	1.265	1.333		5.4	50.0
Benzo(a)anthracene	1.298	1.263		-2.7	50.0
Chrysene	1.229	1.229		0.0	50.0
Benzo(b)fluoranthene	1.195	1.191		-0.3	50.0
Benzo(k)fluoranthene	1.124	0.977		-13.1	50.0
Benzo(a)pyrene	1.120	1.099		-1.9	50.0
Indeno(1,2,3-cd)pyrene	1.415	1.598		12.9	50.0
Dibenzo(a,h)anthracene	1.139	1.299		14.0	50.0
Benzo(g,h,i)perylene	1.179	1.302		10.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	71095	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	276013	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	149668	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	238702	20.000	ng	0.00
76) Chrysene-d12	14.068	240	135085	20.000	ng	0.00
86) Perylene-d12	15.562	264	161985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	334530	79.895	ng	0.00
7) Phenol-d6	6.522	99	395344	80.514	ng	-0.01
23) Nitrobenzene-d5	7.463	82	399669	79.578	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	125200	74.456	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	869968	79.492	ng	0.00
79) Terphenyl-d14	13.010	244	720168	84.314	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.657	88	67582	42.150	ng	99
3) Pyridine	3.428	79	169546	41.000	ng	99
4) n-Nitrosodimethylamine	3.381	42	80707	40.099	ng	100
6) Aniline	6.557	93	266641	40.447	ng	99
8) 2-Chlorophenol	6.681	128	181660	39.765	ng	99
9) Benzaldehyde	6.445	77	117875	42.583	ng	99
10) Phenol	6.540	94	222155	40.403	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	160191	39.990	ng	99
12) 1,3-Dichlorobenzene	6.834	146	204870	40.044	ng	99
13) 1,4-Dichlorobenzene	6.916	146	210760	40.290	ng	99
14) 1,2-Dichlorobenzene	7.063	146	201071	40.313	ng	99
15) Benzyl Alcohol	7.034	79	148203	41.261	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	256240	39.283	ng	99
17) 2-Methylphenol	7.145	107	141123	40.287	ng	99
18) Hexachloroethane	7.410	117	73693	41.006	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	120085	41.720	ng	98
20) 3+4-Methylphenols	7.298	107	178109	41.285	ng	96
22) Acetophenone	7.304	105	238264	39.490	ng	98
24) Nitrobenzene	7.481	77	178378	39.382	ng	99
25) Isophorone	7.716	82	322436	39.571	ng	99
26) 2-Nitrophenol	7.792	139	101800	40.745	ng	96
27) 2,4-Dimethylphenol	7.828	122	169300	39.871	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	203902	39.897	ng	98
29) 2,4-Dichlorophenol	8.039	162	157567	40.506	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	171613	40.445	ng	99
31) Naphthalene	8.204	128	534564	39.303	ng	100
32) Benzoic acid	7.939	122	101628	39.468	ng	99
33) 4-Chloroaniline	8.251	127	214232	38.313	ng	99
34) Hexachlorobutadiene	8.316	225	106781	40.861	ng	99
35) Caprolactam	8.616	113	40422	33.832	ng	97
36) 4-Chloro-3-methylphenol	8.728	107	156768	39.070	ng	99
37) 2-Methylnaphthalene	8.892	142	334033	39.031	ng	100
38) 1-Methylnaphthalene	8.992	142	345917	39.032	ng	99
40) 1,2,4,5-Tetrachloroben...	9.057	216	171157	39.571	ng	99
41) Hexachlorocyclopentadiene	9.045	237	108940	42.889	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	114375	40.300	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

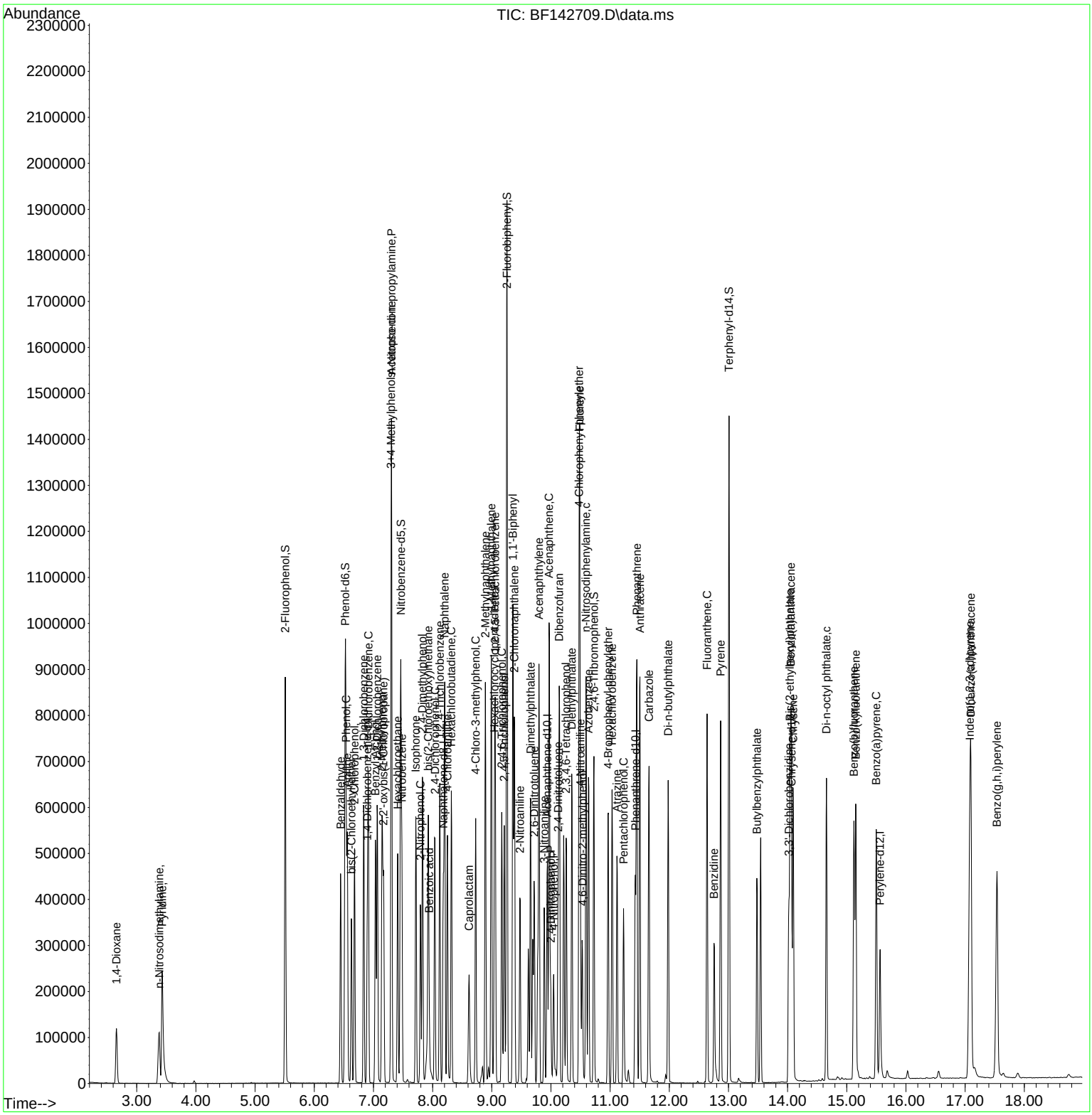
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	115692	38.165	ng	98
46) 1,1'-Biphenyl	9.357	154	456893	39.258	ng	100
47) 2-Chloronaphthalene	9.380	162	338045	38.766	ng	98
48) 2-Nitroaniline	9.475	65	96497	37.187	ng	94
49) Acenaphthylene	9.798	152	564605	39.067	ng	100
50) Dimethylphthalate	9.657	163	376757	37.415	ng	99
51) 2,6-Dinitrotoluene	9.716	165	82231	37.750	ng	95
52) Acenaphthene	9.969	154	347261	39.278	ng	99
53) 3-Nitroaniline	9.886	138	87885	35.906	ng	98
54) 2,4-Dinitrophenol	9.998	184	46858	38.853	ng	97
55) Dibenzofuran	10.139	168	495828	39.092	ng	99
56) 4-Nitrophenol	10.045	139	60374	35.886	ng	98
57) 2,4-Dinitrotoluene	10.122	165	108516	37.164	ng	100
58) Fluorene	10.486	166	380963	37.579	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	99666	39.072	ng	99
60) Diethylphthalate	10.351	149	363744	37.208	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	185927	38.791	ng	99
62) 4-Nitroaniline	10.498	138	77112	33.211	ng	96
63) Azobenzene	10.633	77	329652	37.644	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	59397	39.014	ng	99
66) n-Nitrosodiphenylamine	10.592	169	322521	41.848	ng	100
67) 4-Bromophenyl-phenylether	10.969	248	112692	42.713	ng	98
68) Hexachlorobenzene	11.033	284	123162	40.626	ng	97
69) Atrazine	11.116	200	85223	36.463	ng	98
70) Pentachlorophenol	11.227	266	66476	39.873	ng	99
71) Phenanthrene	11.451	178	501517	39.301	ng	99
72) Anthracene	11.504	178	518482	39.152	ng	100
73) Carbazole	11.657	167	435663	36.534	ng	100
74) Di-n-butylphthalate	11.980	149	472669	37.337	ng	99
75) Fluoranthene	12.639	202	464559	36.334	ng	100
77) Benzidine	12.757	184	205826	44.148	ng	99
78) Pyrene	12.869	202	465611	42.300	ng	99
80) Butylbenzylphthalate	13.480	149	152483	44.983	ng	97
81) Benzo(a)anthracene	14.057	228	341337	38.935	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	122559	43.734	ng	100
83) Chrysene	14.092	228	331906	39.970	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	239004	61.756	ng	99
85) Di-n-octyl phthalate	14.657	149	461847	61.358	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	517815	45.192	ng	100
88) Benzo(b)fluoranthene	15.121	252	385979	39.883	ng	100
89) Benzo(k)fluoranthene	15.151	252	316516	34.756	ng	100
90) Benzo(a)pyrene	15.498	252	356047	39.261	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	420883	45.630	ng	99
92) Benzo(g,h,i)perylene	17.539	276	421708	44.151	ng	99

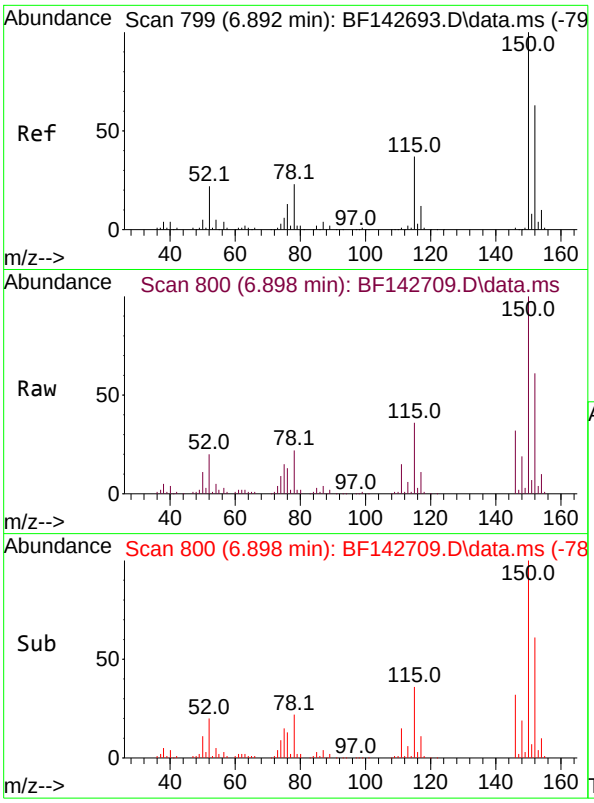
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



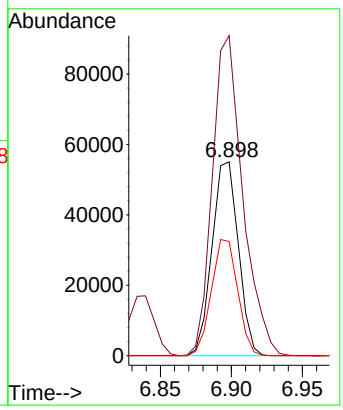


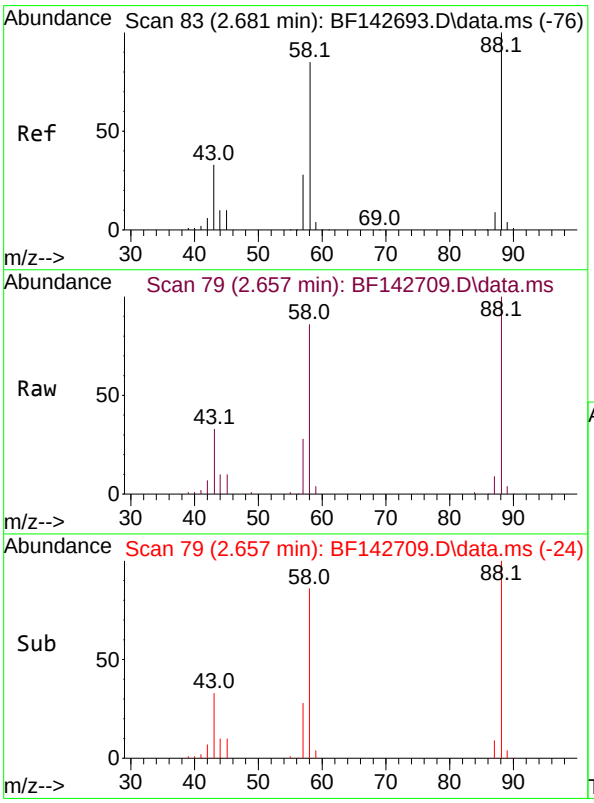
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 71095

Ion	Ratio	Lower	Upper
152	100		
150	165.0	126.8	190.2
115	58.9	46.8	70.2

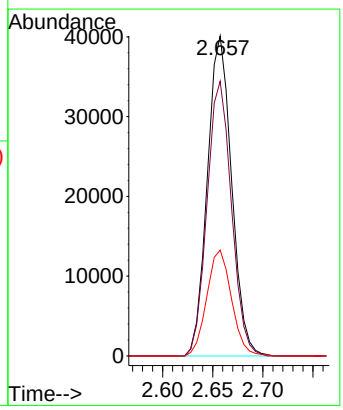


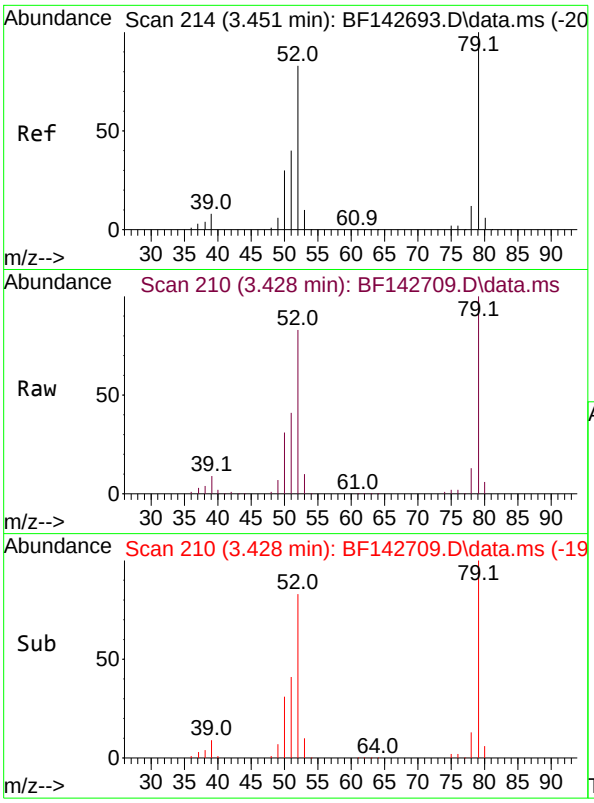


#2
1,4-Dioxane
Concen: 42.150 ng
RT: 2.657 min Scan# 79
Delta R.T. -0.024 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 88 Resp: 67582

Ion	Ratio	Lower	Upper
88	100		
58	86.2	69.2	103.8
43	33.8	26.3	39.5



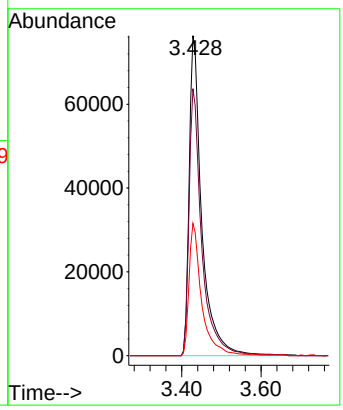


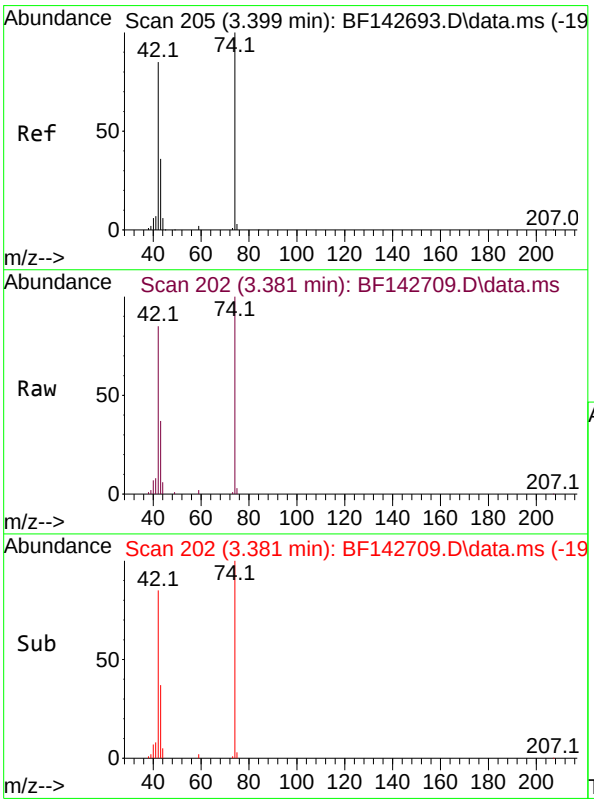
#3
Pyridine
Concen: 41.000 ng
RT: 3.428 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 169546

Ion	Ratio	Lower	Upper
79	100		
52	83.5	66.6	99.8
51	41.4	31.7	47.5

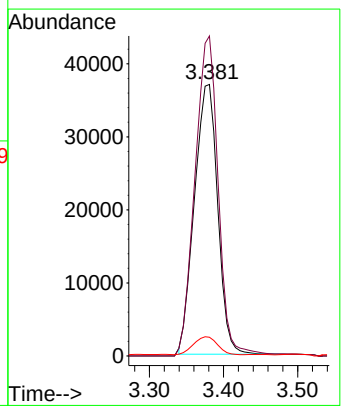


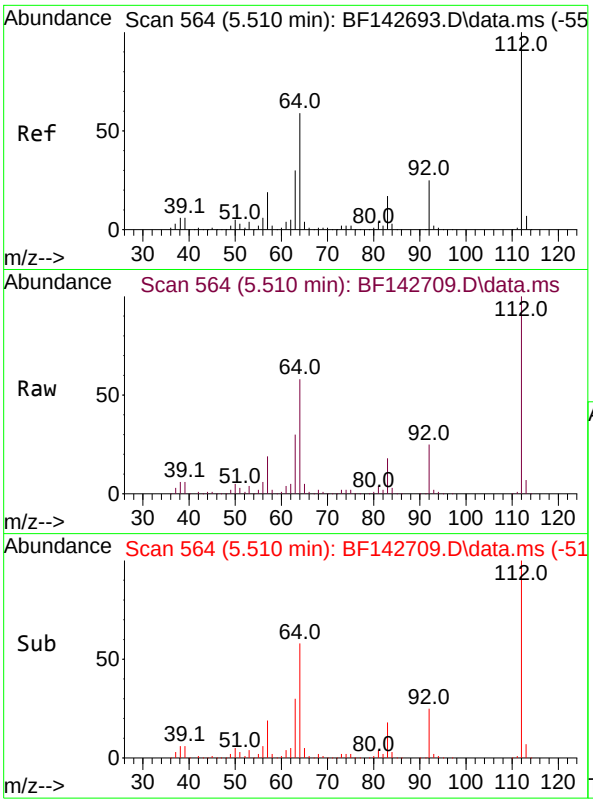


#4
n-Nitrosodimethylamine
Concen: 40.099 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.047 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 42 Resp: 80707

Ion	Ratio	Lower	Upper
42	100		
74	117.8	94.5	141.7
44	6.9	5.6	8.4



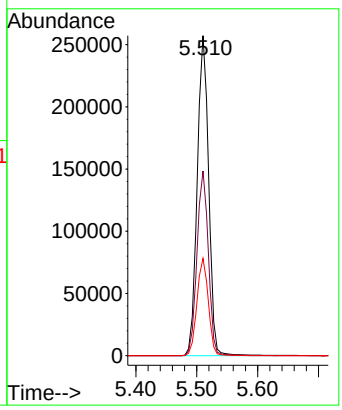


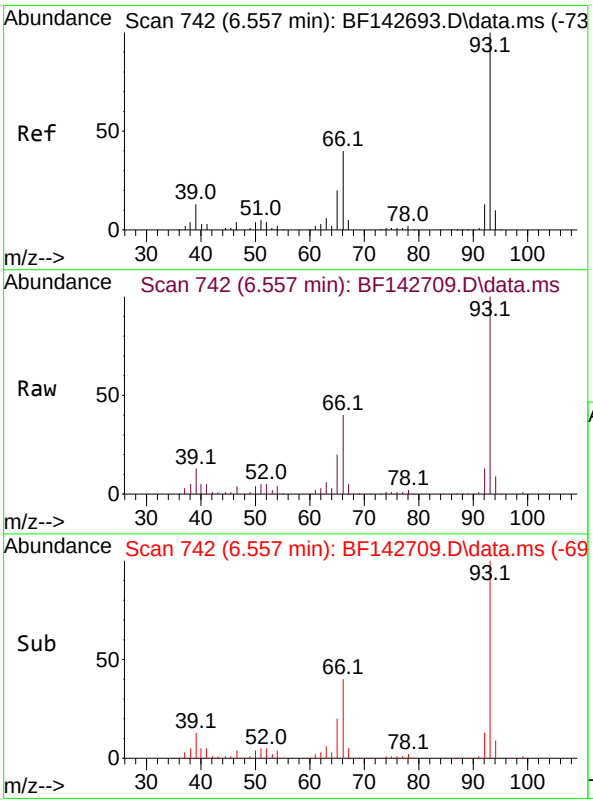
#5
2-Fluorophenol
Concen: 79.895 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 334530

Ion	Ratio	Lower	Upper
112	100		
64	57.7	46.9	70.3
63	30.4	24.3	36.5

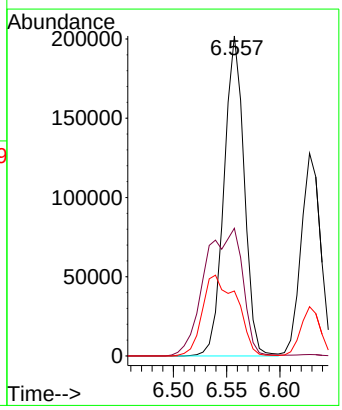


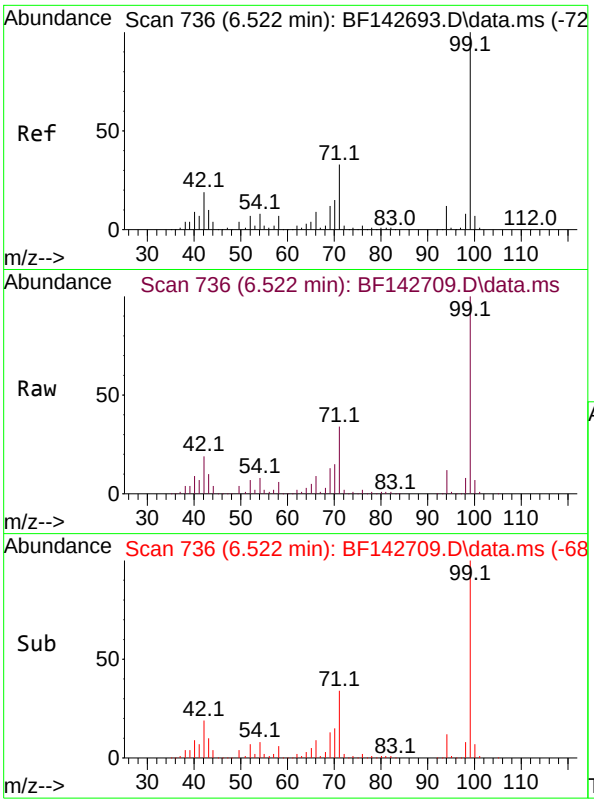


#6
Aniline
Concen: 40.447 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 93 Resp: 266641

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.8	49.2
65	20.3	16.4	24.6



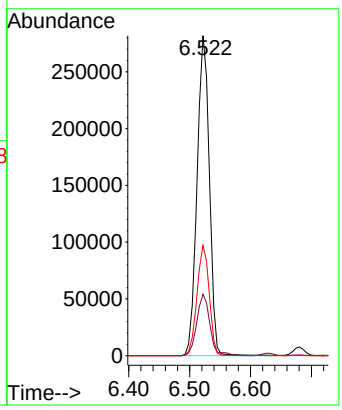


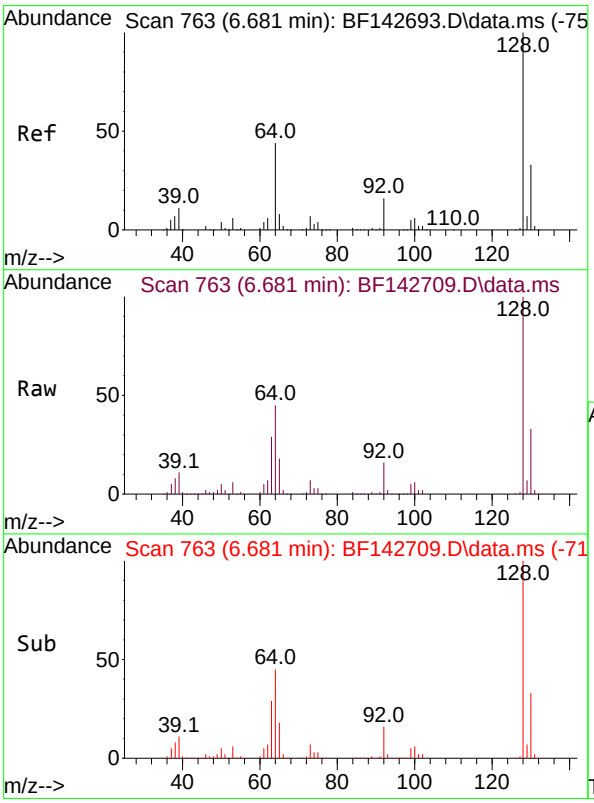
#7
Phenol-d6
Concen: 80.514 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 395344

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	34.4	26.3	39.5

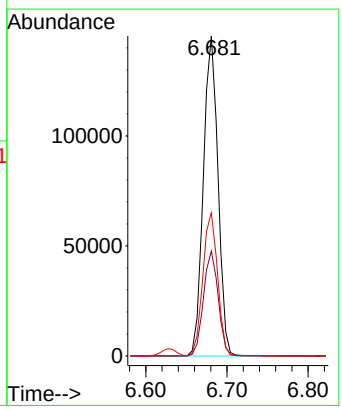


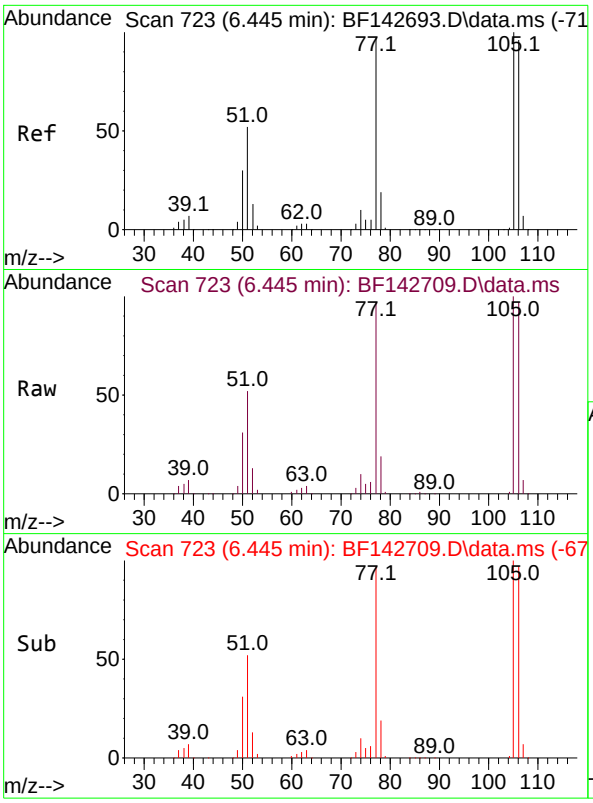


#8
2-Chlorophenol
Concen: 39.765 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:128 Resp: 181660

Ion	Ratio	Lower	Upper
128	100		
130	32.8	13.3	53.3
64	44.8	25.4	65.4



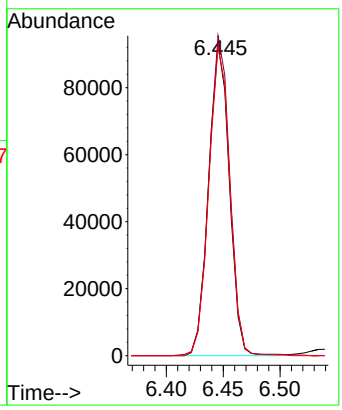


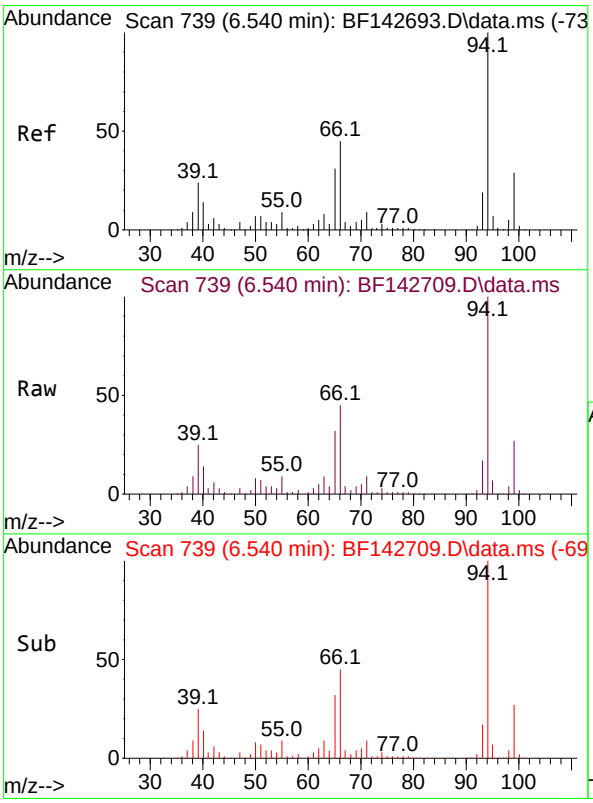
#9
Benzaldehyde
Concen: 42.583 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 117875

Ion	Ratio	Lower	Upper
77	100		
105	102.9	83.2	123.2
106	99.5	78.7	118.7

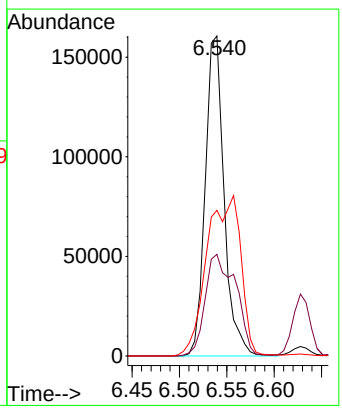


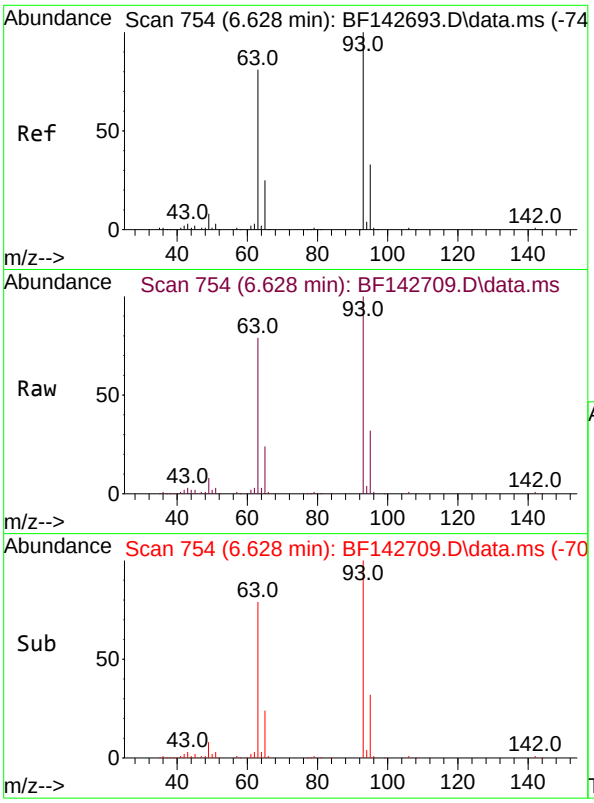


#10
Phenol
Concen: 40.403 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 94 Resp: 222155

Ion	Ratio	Lower	Upper
94	100		
65	31.7	11.0	51.0
66	45.5	24.9	64.9



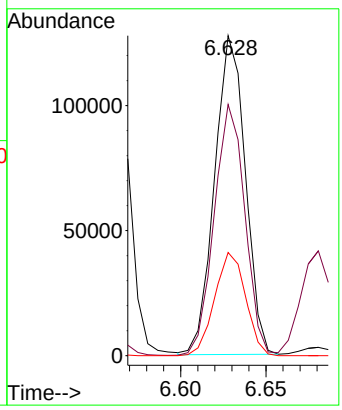


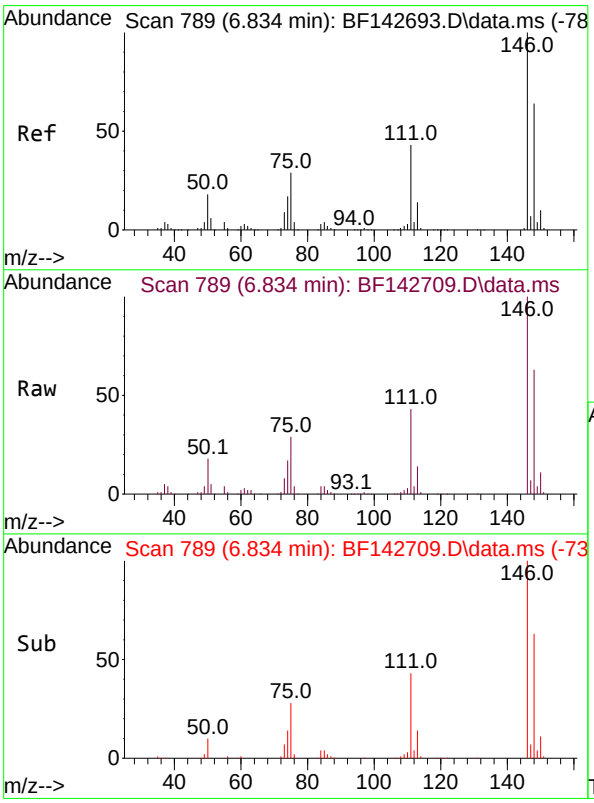
#11
bis(2-Chloroethyl)ether
Concen: 39.990 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 160191

Ion	Ratio	Lower	Upper
93	100		
63	78.5	60.0	100.0
95	32.3	12.2	52.2

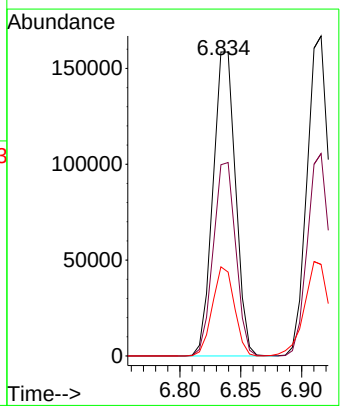


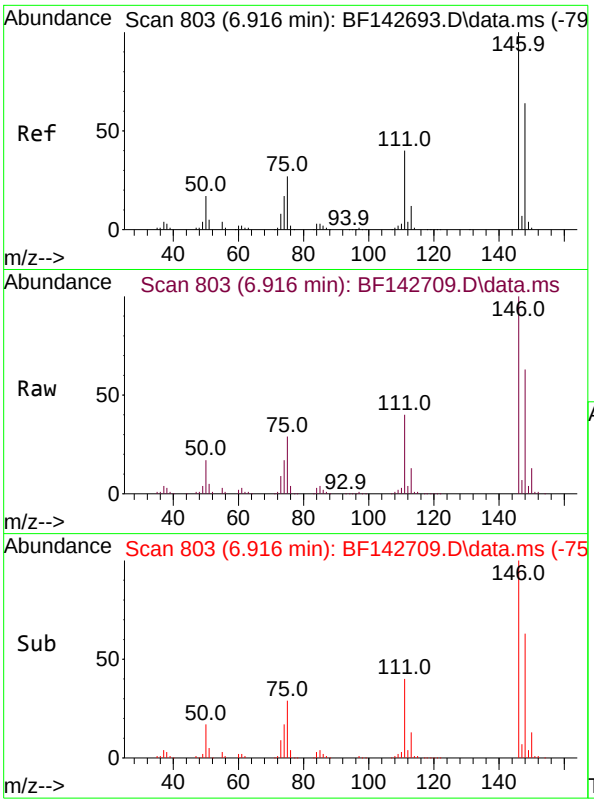


#12
1,3-Dichlorobenzene
Concen: 40.044 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:146 Resp: 204870

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.2
75	29.3	23.1	34.7



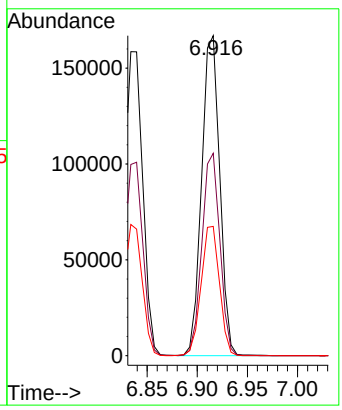


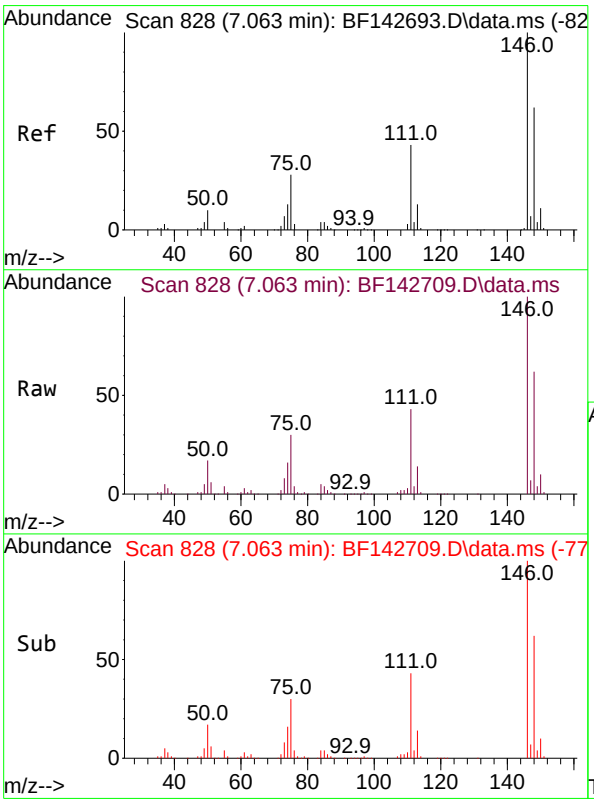
#13
1,4-Dichlorobenzene
Concen: 40.290 ng
RT: 6.916 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 210760

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.6
111	40.4	31.8	47.8

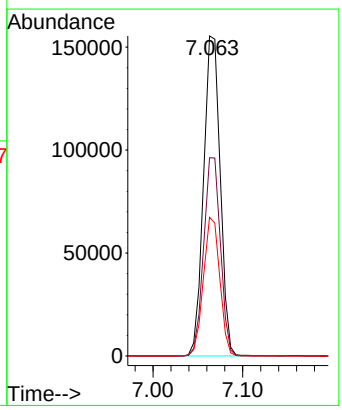


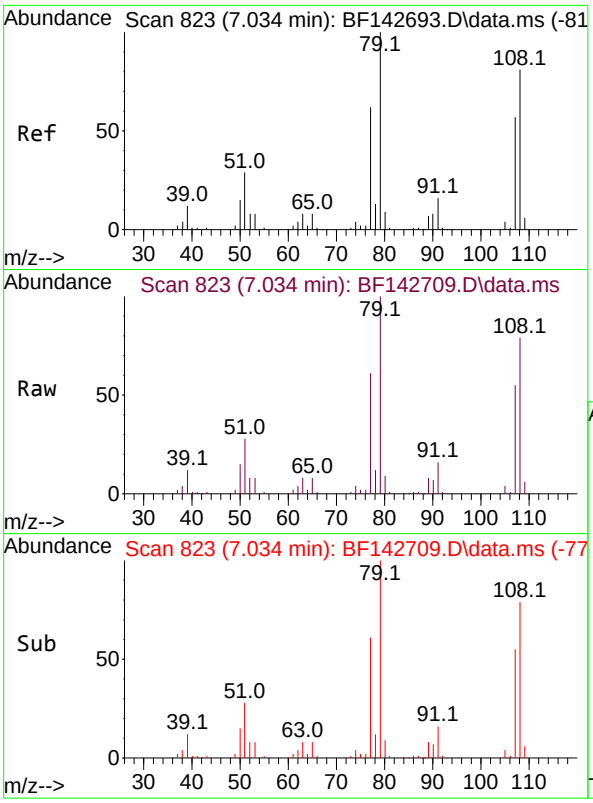


#14
1,2-Dichlorobenzene
Concen: 40.313 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:146 Resp: 201071

Ion	Ratio	Lower	Upper
146	100		
148	61.9	49.3	73.9
111	43.4	34.1	51.1



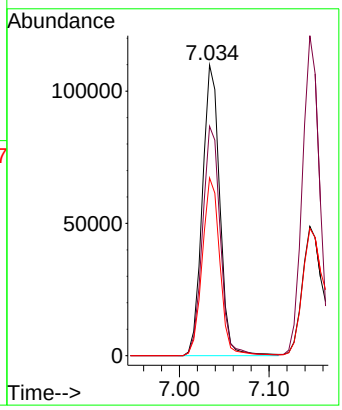


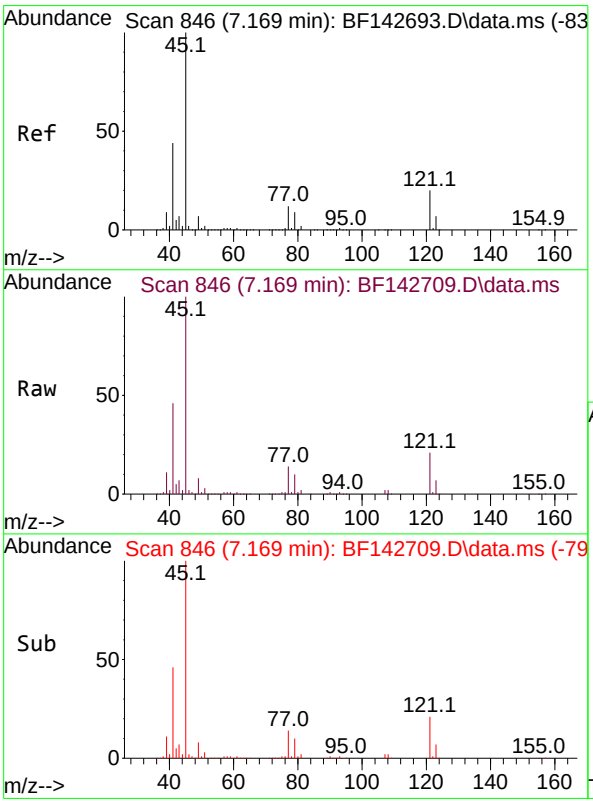
#15
Benzyl Alcohol
Concen: 41.261 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 148203

Ion	Ratio	Lower	Upper
79	100		
108	78.9	64.8	97.2
77	61.1	49.4	74.2

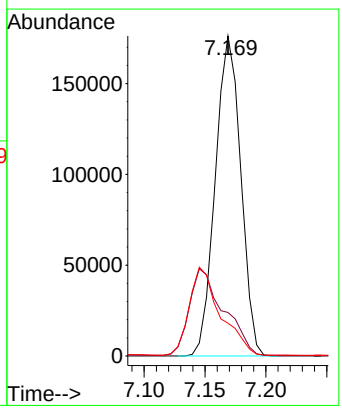


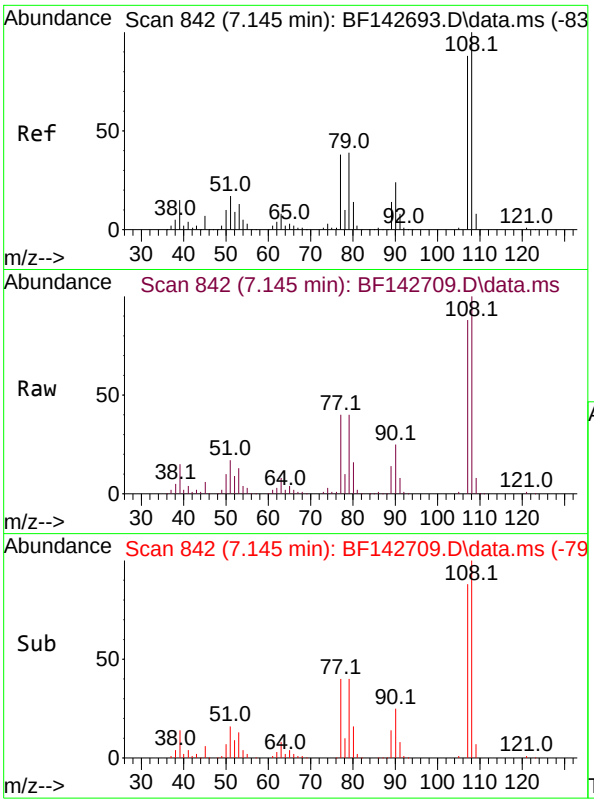


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.283 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 45 Resp: 256240

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	32.8
79	10.3	0.0	30.3



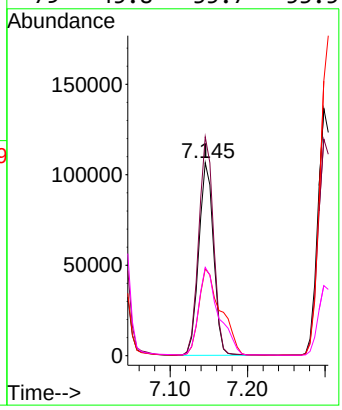


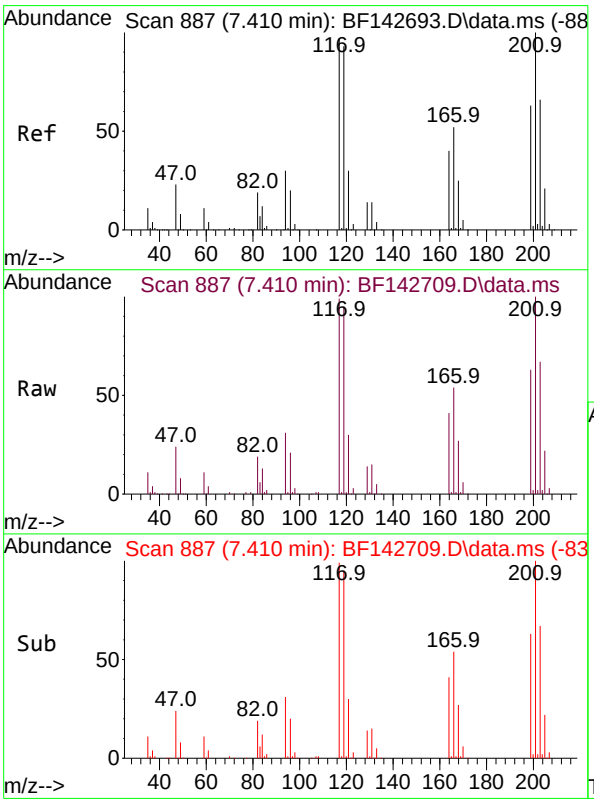
#17
2-Methylphenol
Concen: 40.287 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 141123

Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.0	136.4
77	45.1	34.9	52.3
79	45.8	35.7	53.5

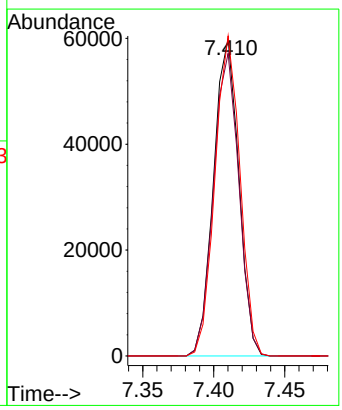


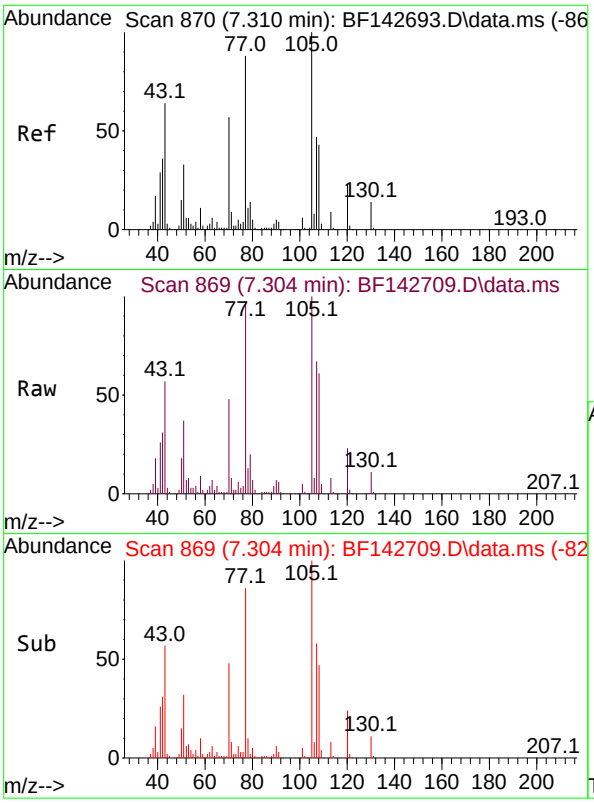


#18
Hexachloroethane
Concen: 41.006 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:117 Resp: 73693

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.1	115.7
201	100.8	82.6	123.8



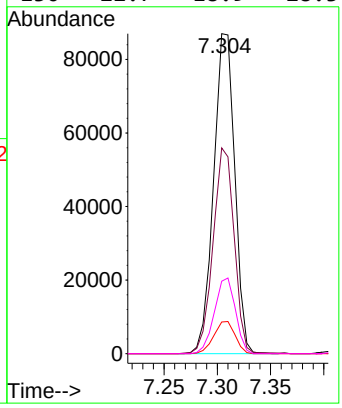


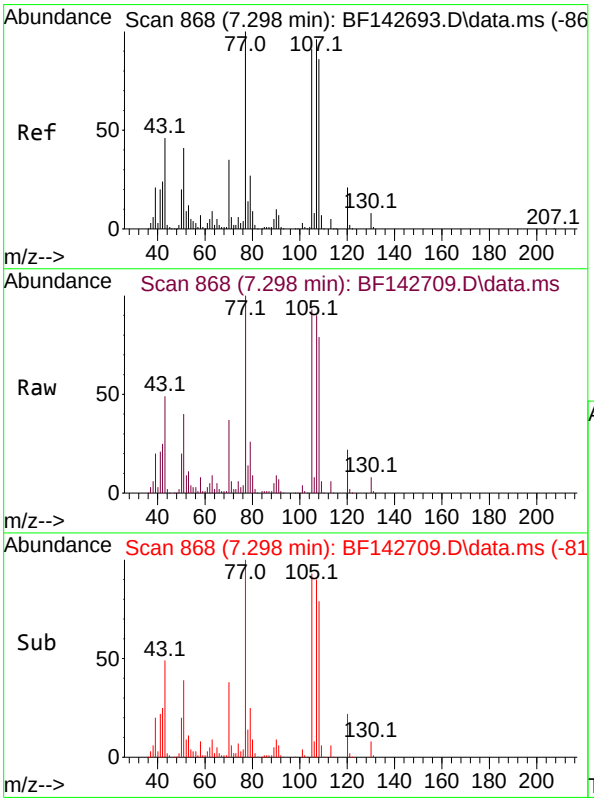
#19
n-Nitroso-di-n-propylamine
Concen: 41.720 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 120085

Ion	Ratio	Lower	Upper
70	100		
42	64.3	50.1	75.1
101	9.9	8.1	12.1
130	22.7	18.9	28.3

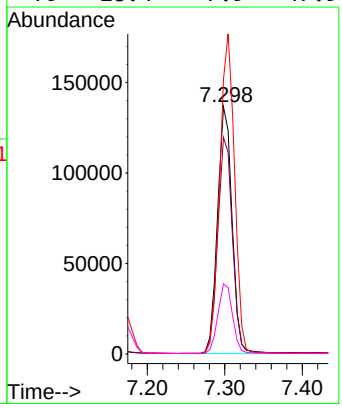


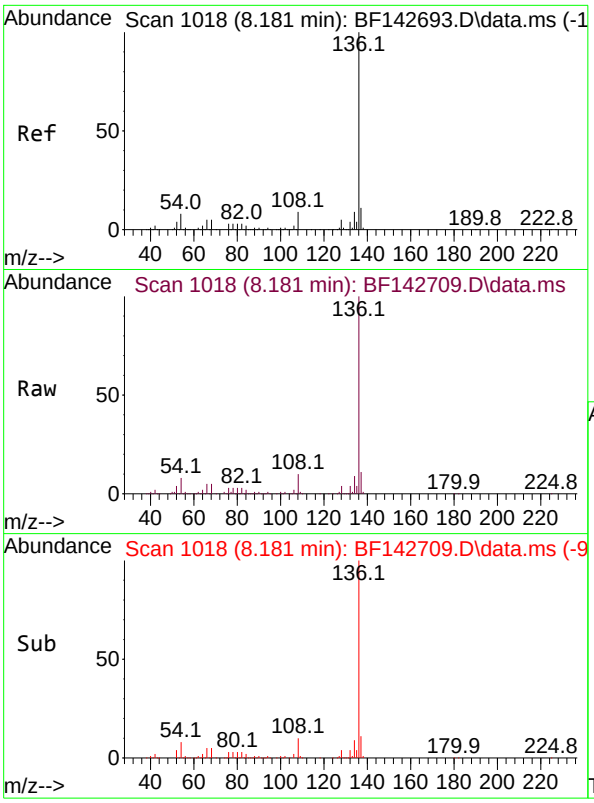


#20
3+4-Methylphenols
Concen: 41.285 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:107 Resp: 178109

Ion	Ratio	Lower	Upper
107	100		
108	87.6	69.5	109.5
77	111.1	83.6	123.6
79	28.4	7.9	47.9



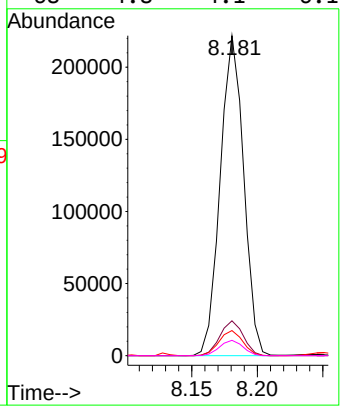


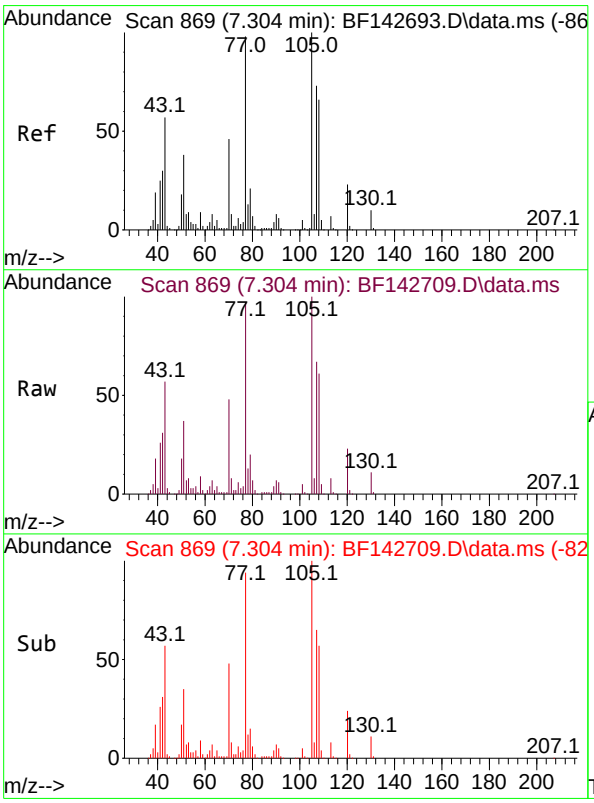
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 276013

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	6.4	9.6
68	4.8	4.1	6.1

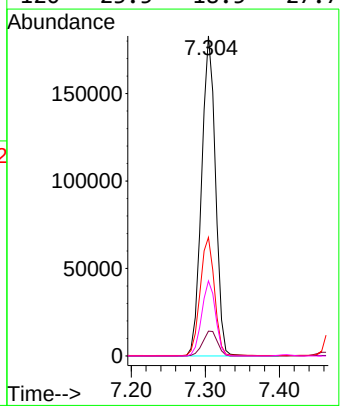


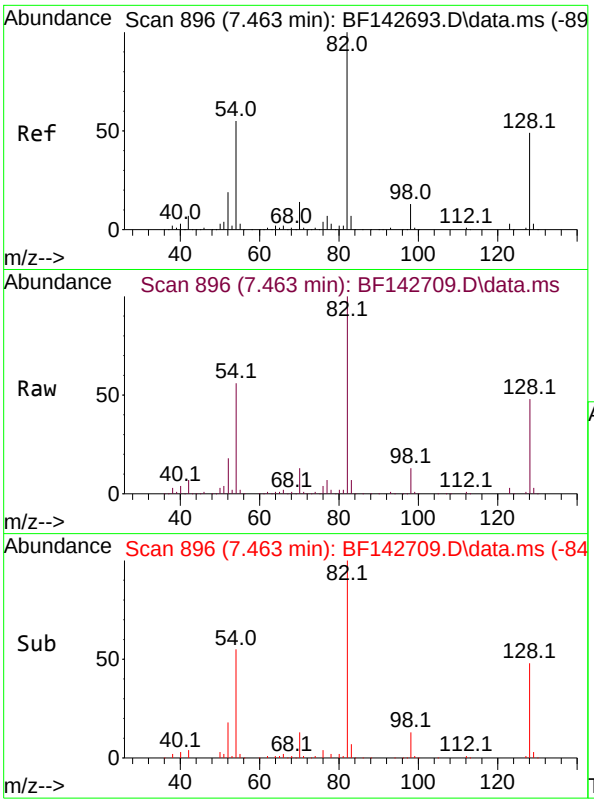


#22
Acetophenone
Concen: 39.490 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:105 Resp: 238264

Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.2	9.2
51	37.0	30.8	46.2
120	23.5	18.5	27.7



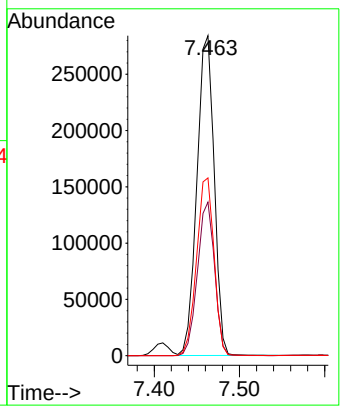


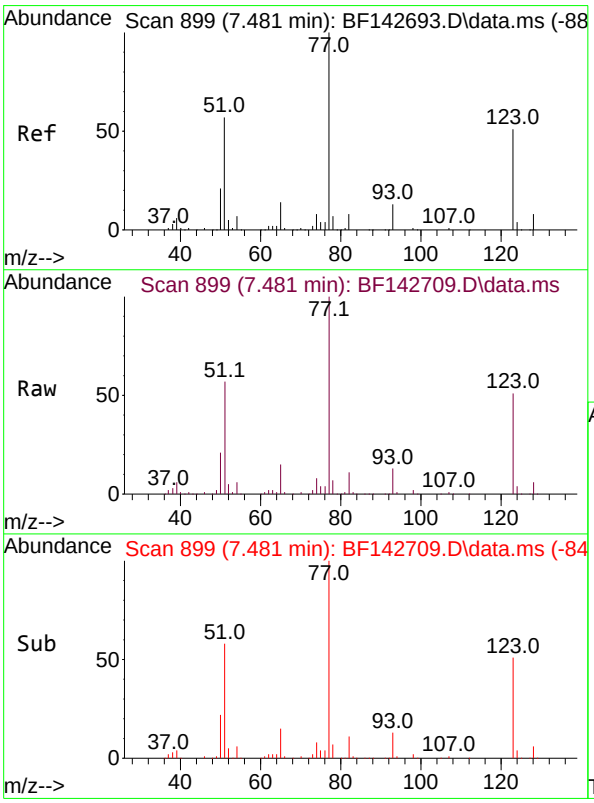
#23
Nitrobenzene-d5
Concen: 79.578 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 399669

Ion	Ratio	Lower	Upper
82	100		
128	48.0	39.3	58.9
54	55.5	44.2	66.2

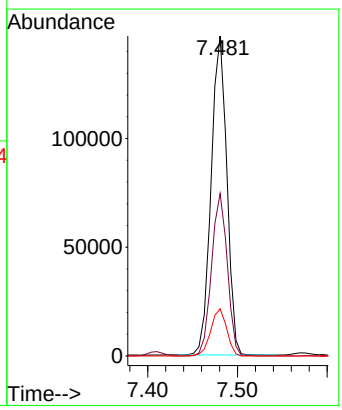


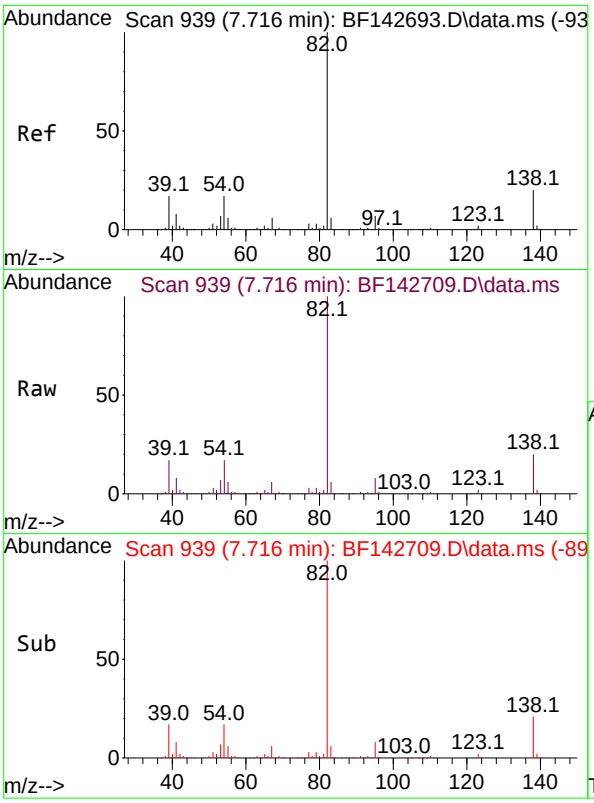


#24
Nitrobenzene
Concen: 39.382 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 77 Resp: 178378

Ion	Ratio	Lower	Upper
77	100		
123	50.8	41.3	61.9
65	14.8	11.2	16.8



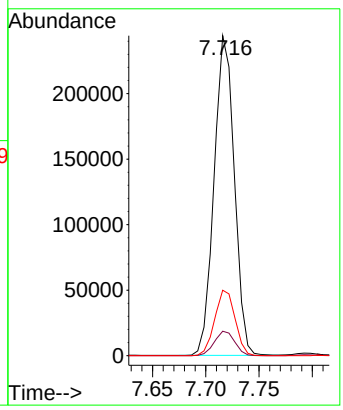


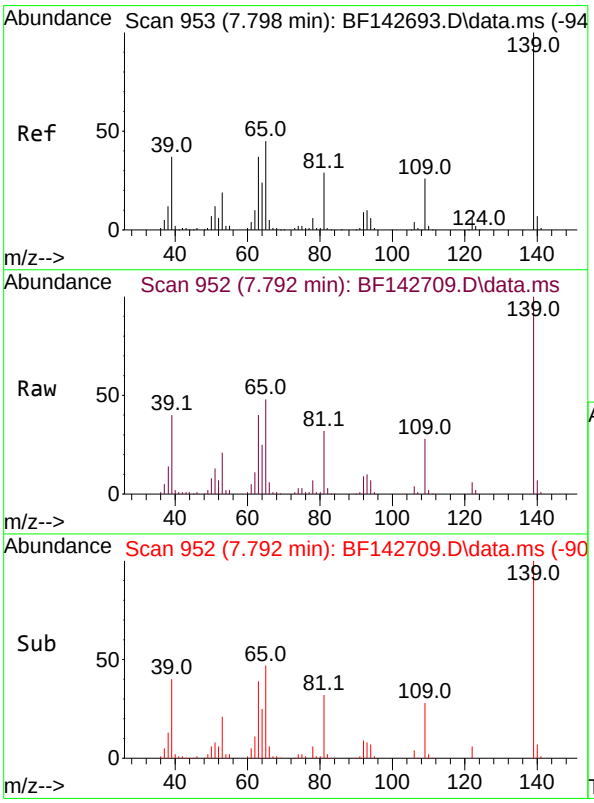
#25
Isophorone
Concen: 39.571 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 322436

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	20.4	16.1	24.1

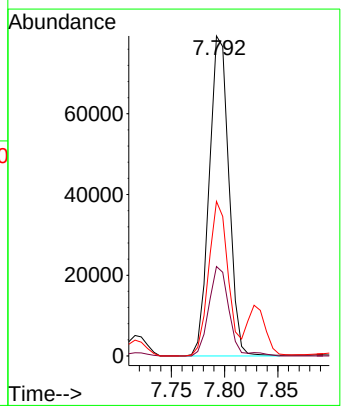


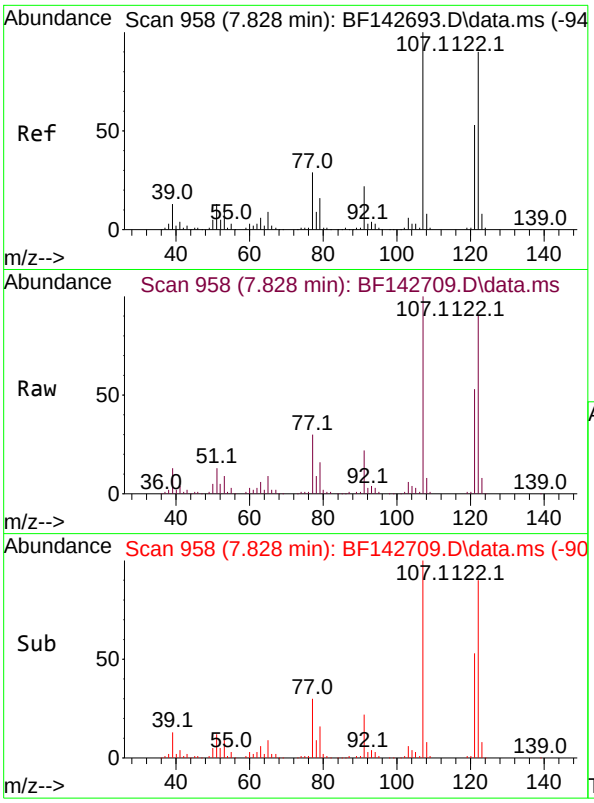


#26
2-Nitrophenol
Concen: 40.745 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:139 Resp: 101800

Ion	Ratio	Lower	Upper
139	100		
109	28.0	21.0	31.6
65	48.3	36.2	54.2



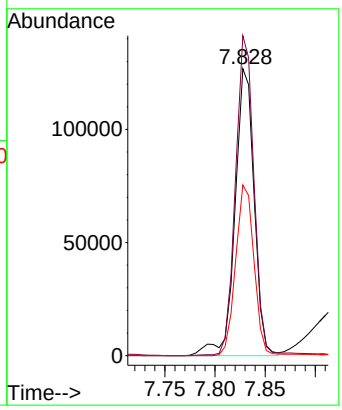


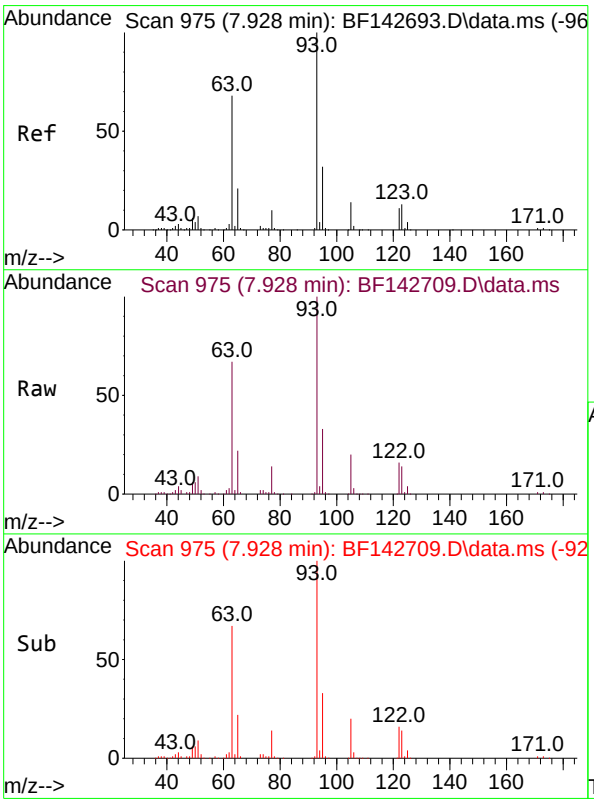
#27
2,4-Dimethylphenol
Concen: 39.871 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 169300

Ion	Ratio	Lower	Upper
122	100		
107	111.5	89.4	134.2
121	59.5	47.1	70.7

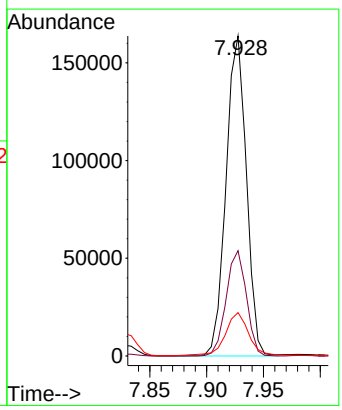


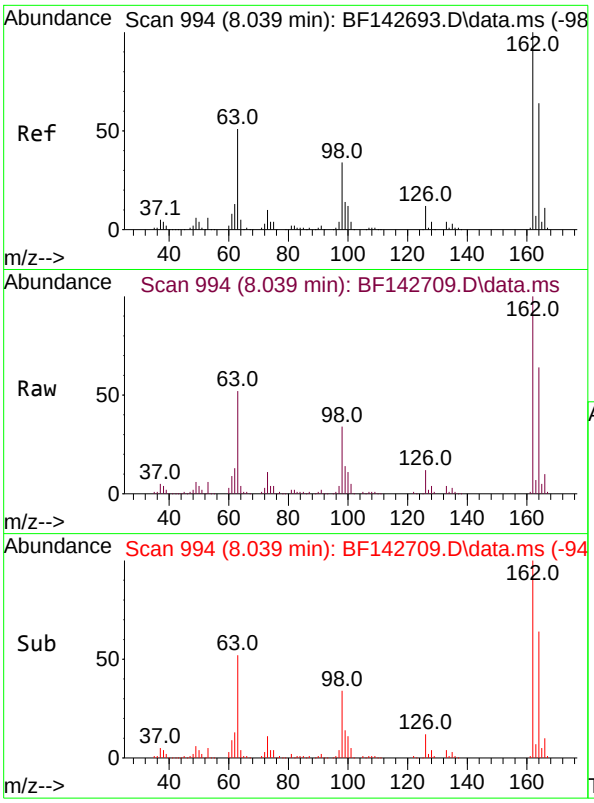


#28
bis(2-Chloroethoxy)methane
Concen: 39.897 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 93 Resp: 203902

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.2
123	13.5	10.5	15.7



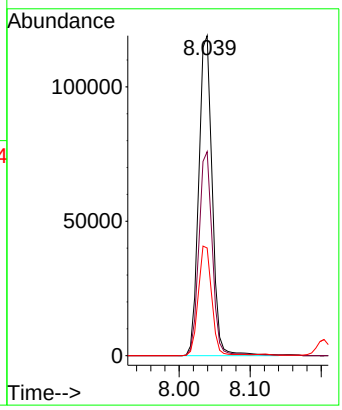


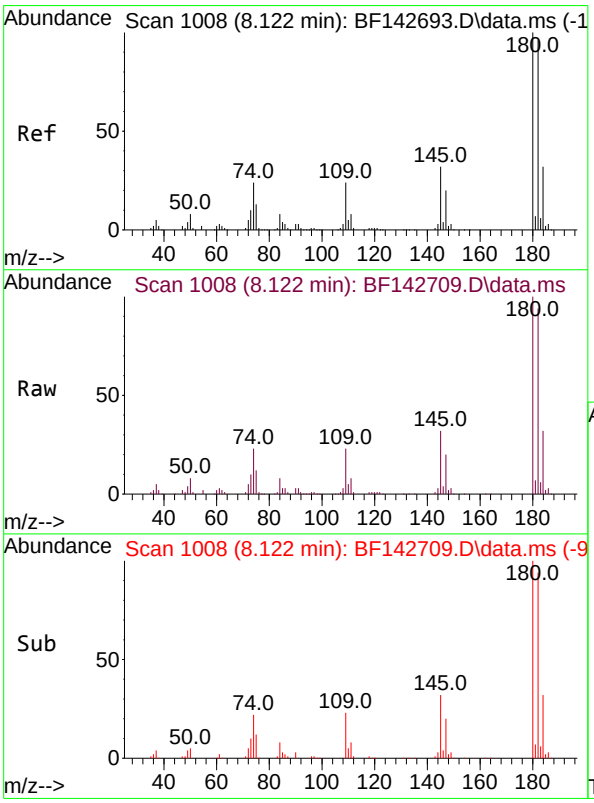
#29
2,4-Dichlorophenol
Concen: 40.506 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 157567

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.0	84.0
98	33.7	14.4	54.4

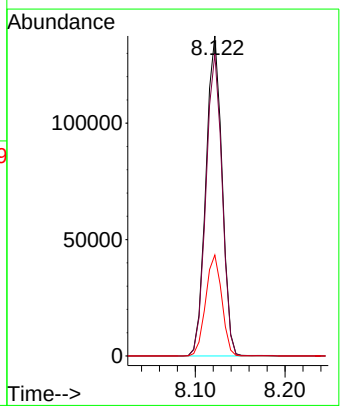


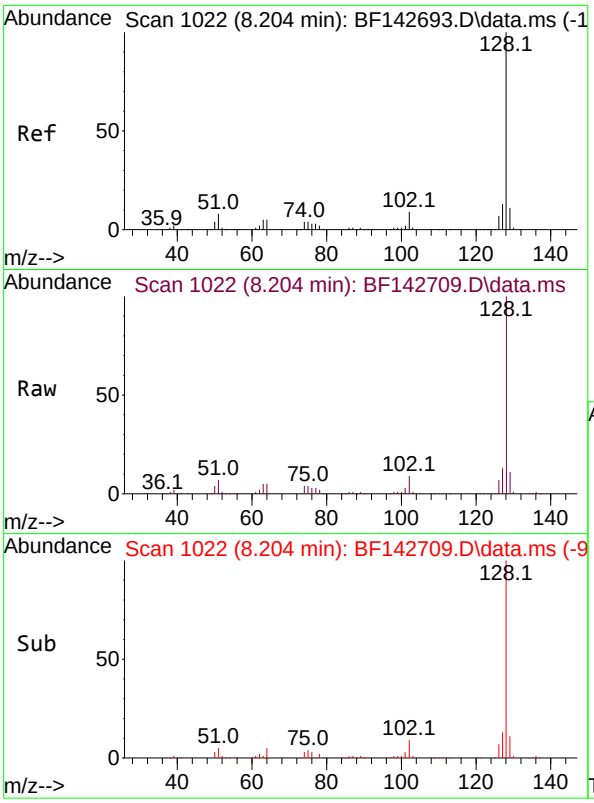


#30
1,2,4-Trichlorobenzene
Concen: 40.445 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:180 Resp: 171613

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.6	114.8
145	31.6	25.4	38.0



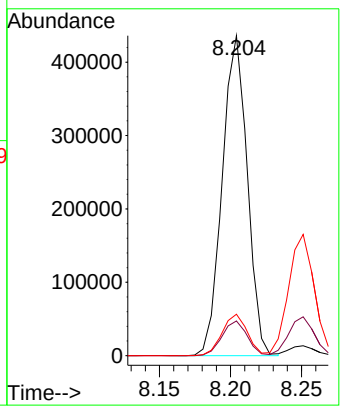


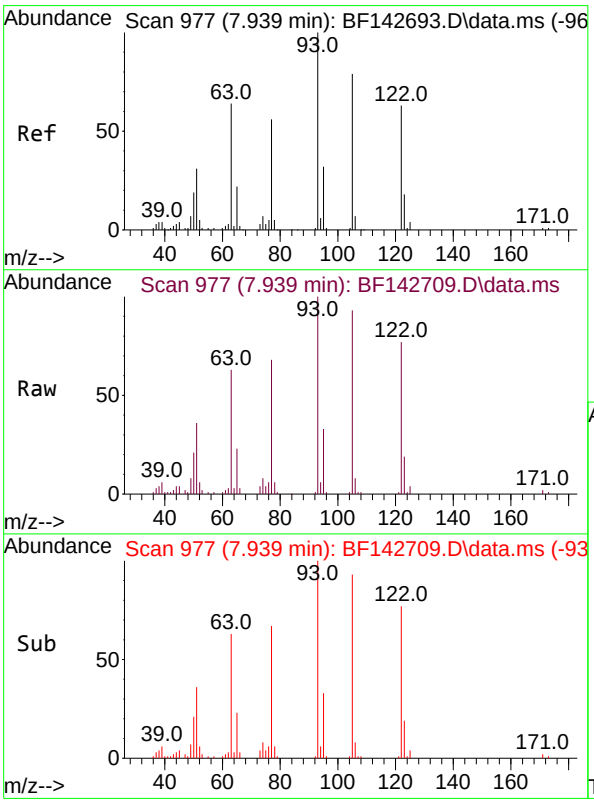
#31
Naphthalene
Concen: 39.303 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 534564

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8

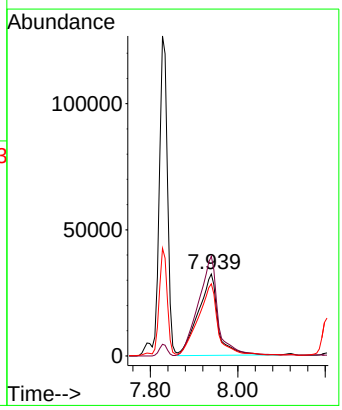


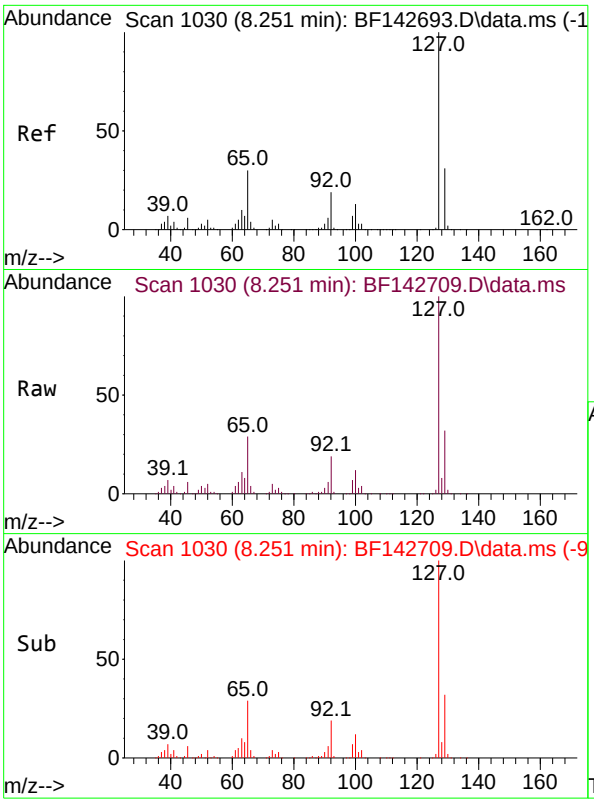


#32
Benzoic acid
Concen: 39.468 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.041 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:122 Resp: 101628

Ion	Ratio	Lower	Upper
122	100		
105	121.7	100.3	140.3
77	88.1	67.9	107.9



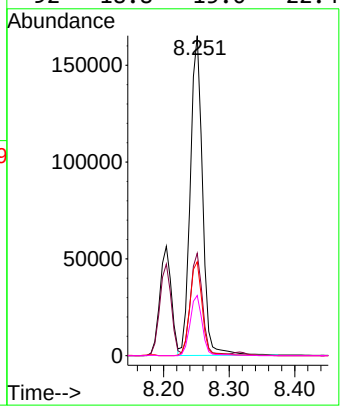


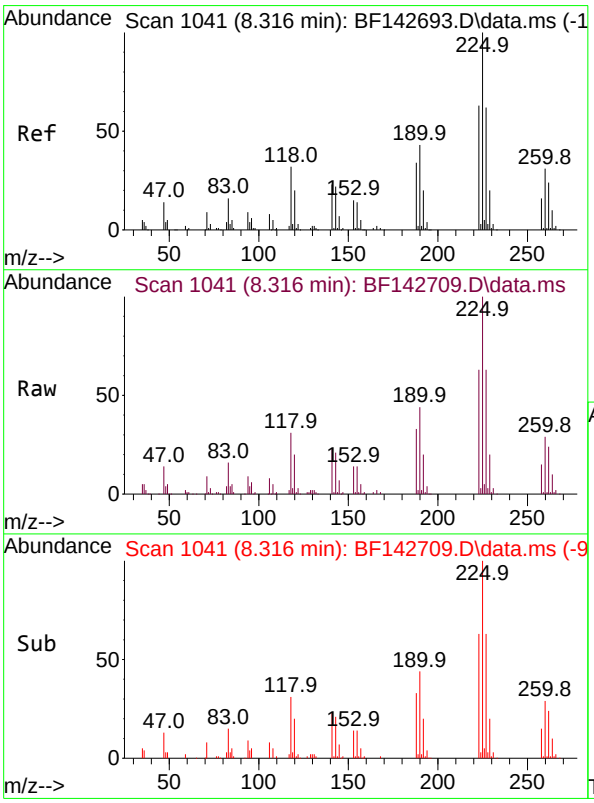
#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 214232

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	29.4	23.8	35.6
92	18.8	15.0	22.4

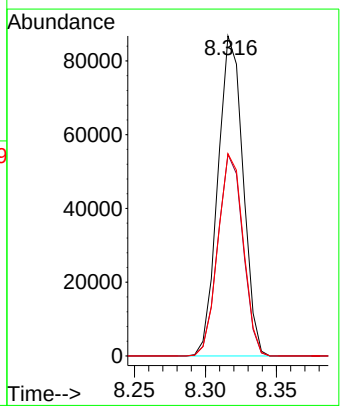


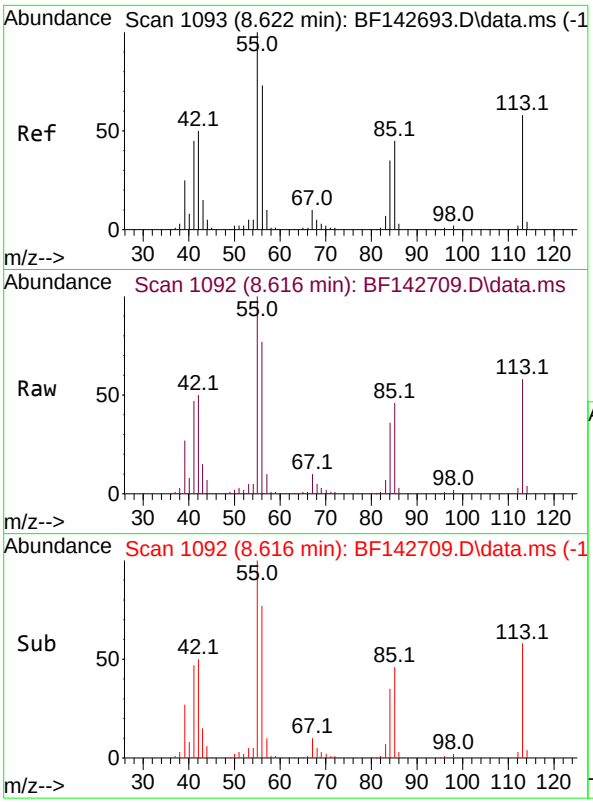


#34
Hexachlorobutadiene
Concen: 40.861 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:225 Resp: 106781

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1
227	63.2	49.8	74.8



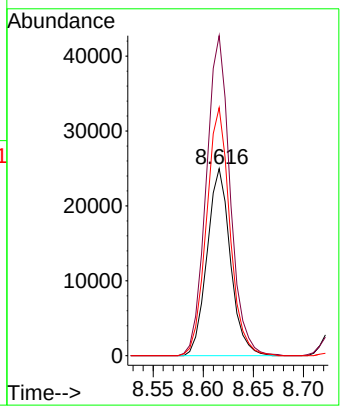


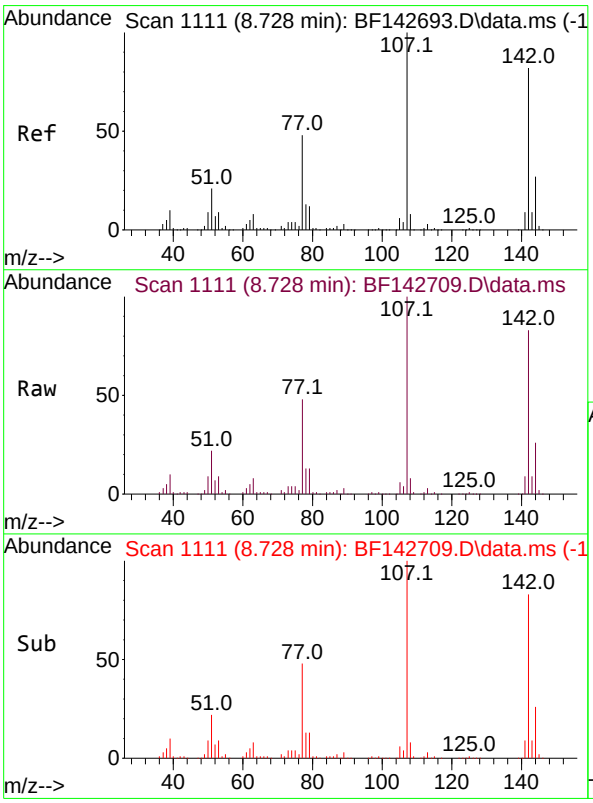
#35
Caprolactam
Concen: 33.832 ng
RT: 8.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 40422

Ion	Ratio	Lower	Upper
113	100		
55	171.1	152.9	192.9
56	132.6	106.6	146.6

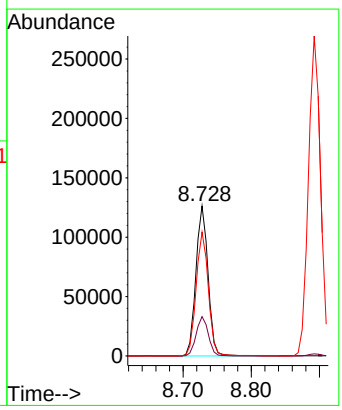


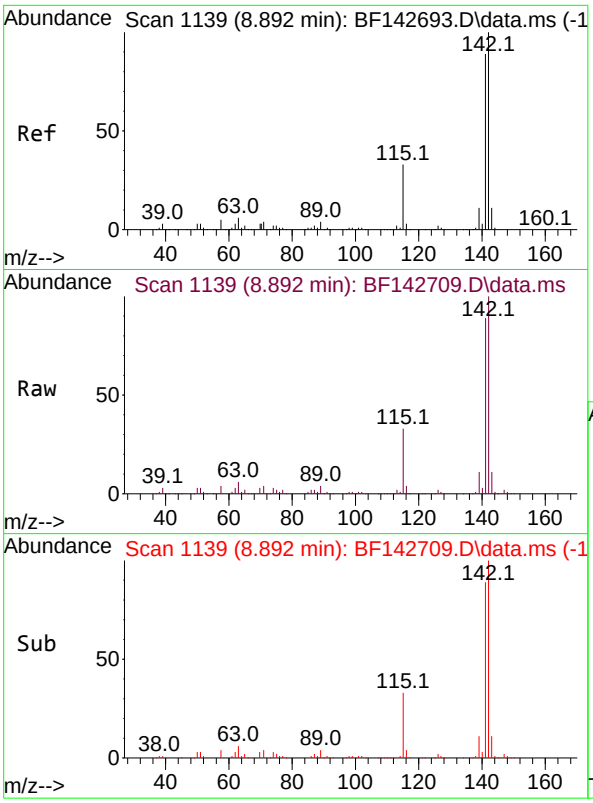


#36
4-Chloro-3-methylphenol
Concen: 39.070 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:107 Resp: 156768

Ion	Ratio	Lower	Upper
107	100		
144	26.3	21.5	32.3
142	82.6	65.5	98.3



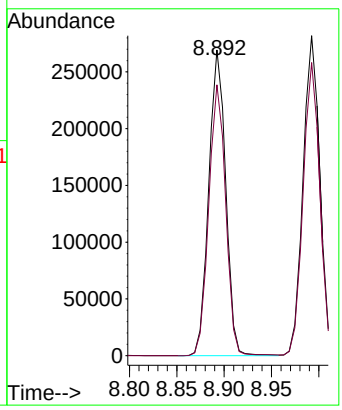


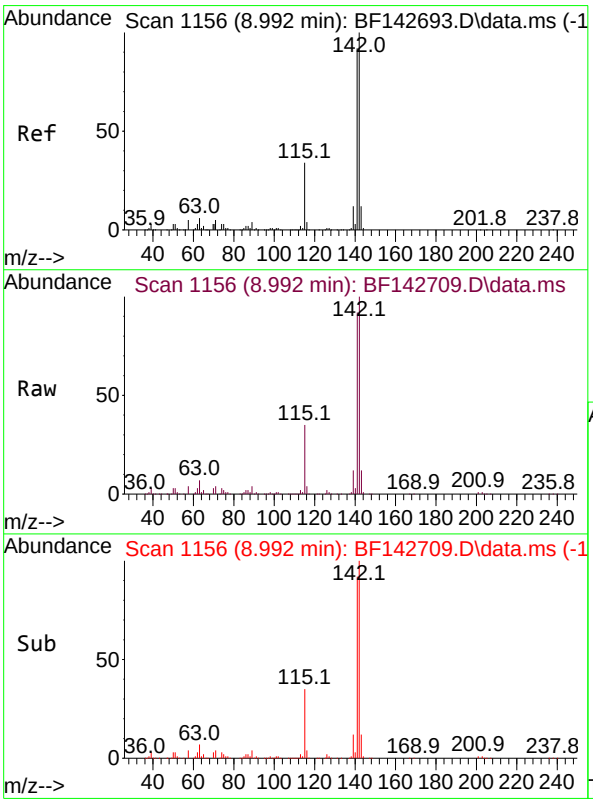
#37
2-Methylnaphthalene
Concen: 39.031 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 334033

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2

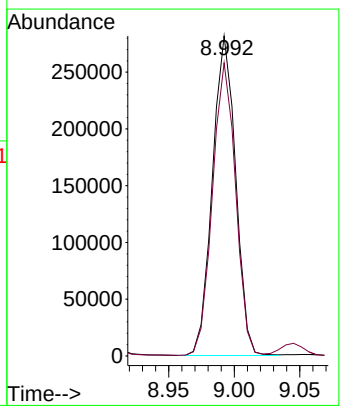


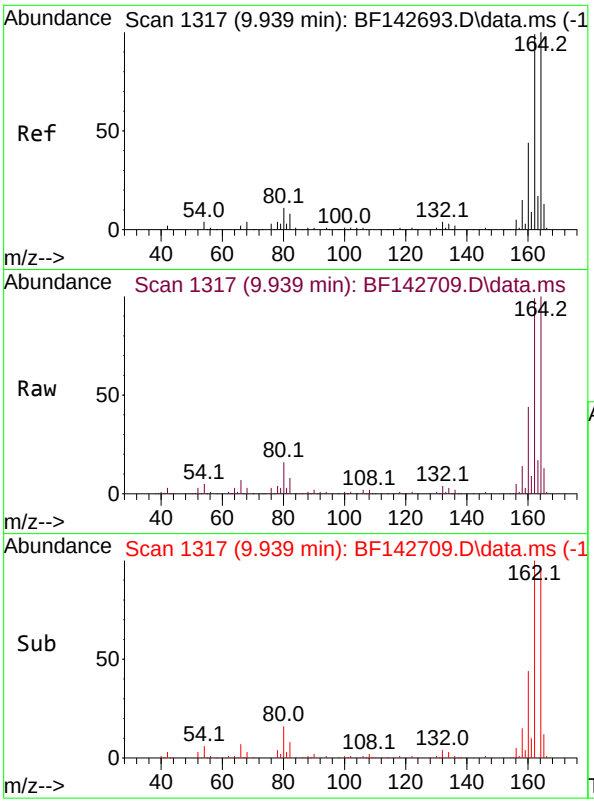


#38
1-Methylnaphthalene
Concen: 39.032 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:142 Resp: 345917

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.7	110.5



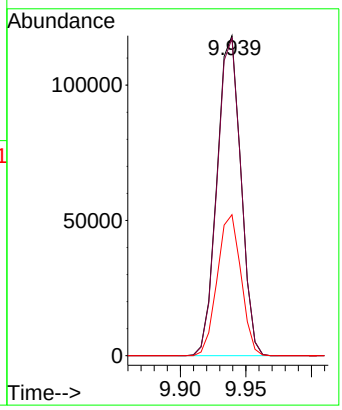


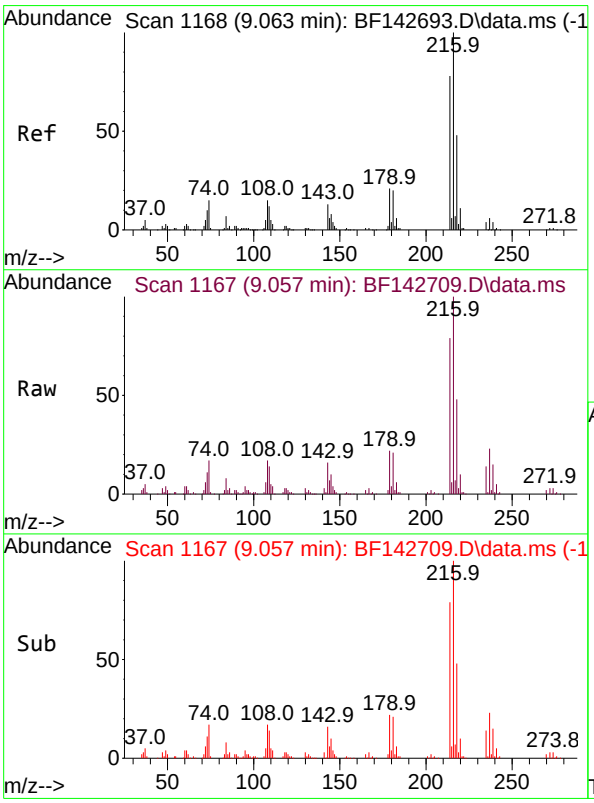
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 149668

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.1	118.7
160	44.1	35.4	53.0

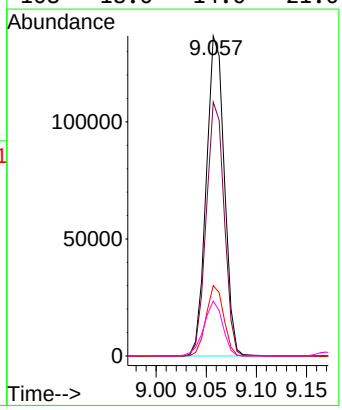


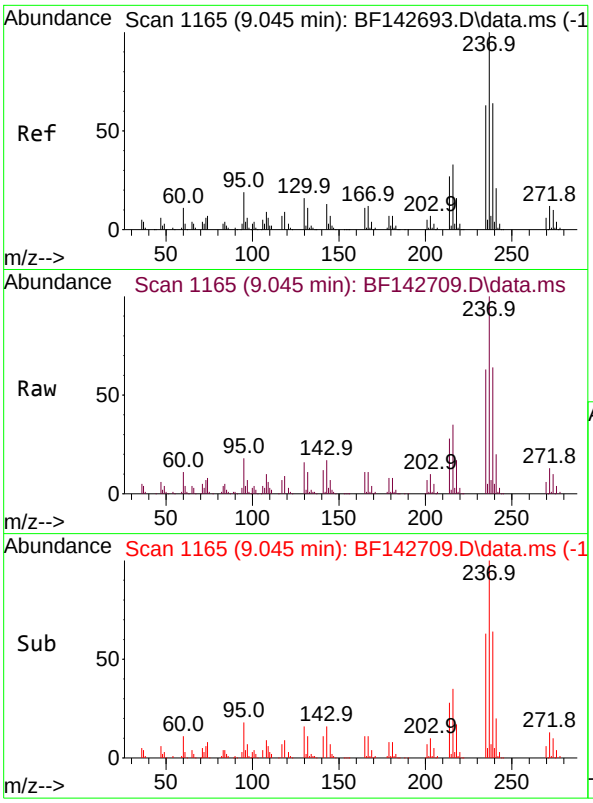


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.571 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:216 Resp: 171157

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	21.5	16.6	25.0
108	18.0	14.0	21.0



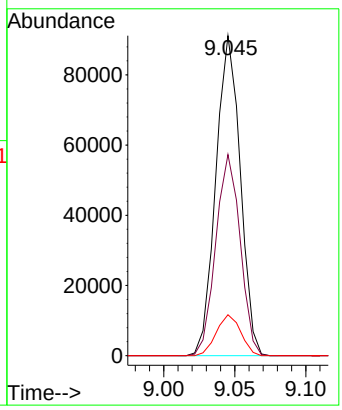


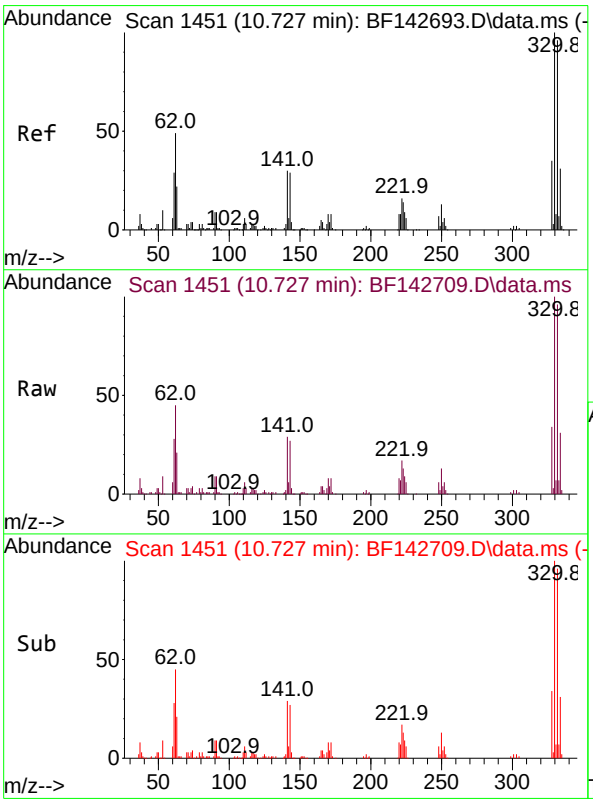
#41
Hexachlorocyclopentadiene
Concen: 42.889 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 108940

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.1	83.1
272	12.8	0.0	32.5

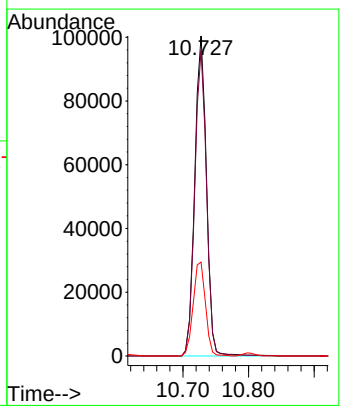


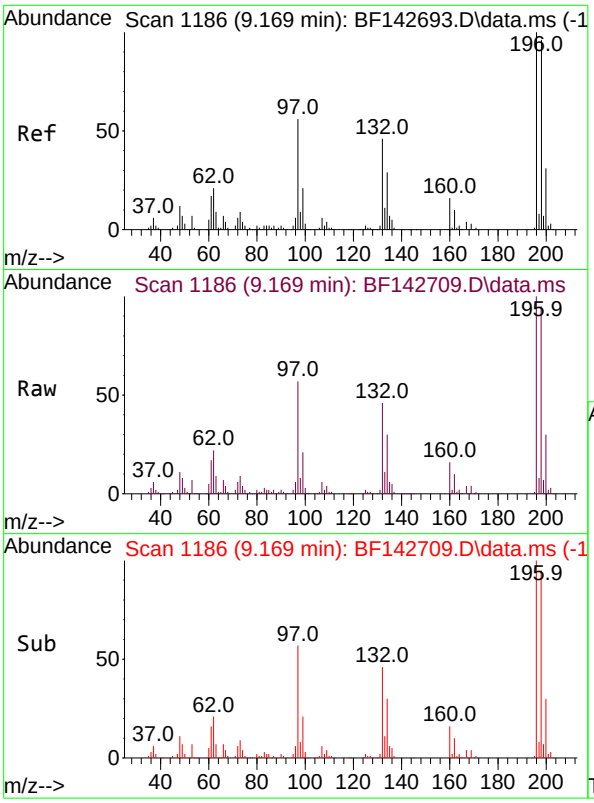


#42
2,4,6-Tribromophenol
Concen: 74.456 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:330 Resp: 125200

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.1	115.7
141	30.8	23.5	35.3



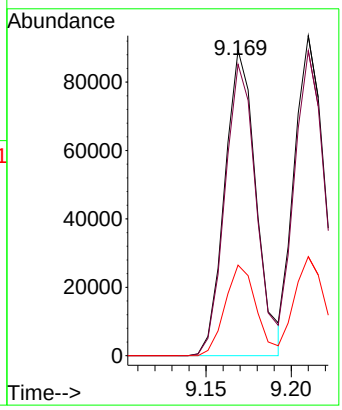


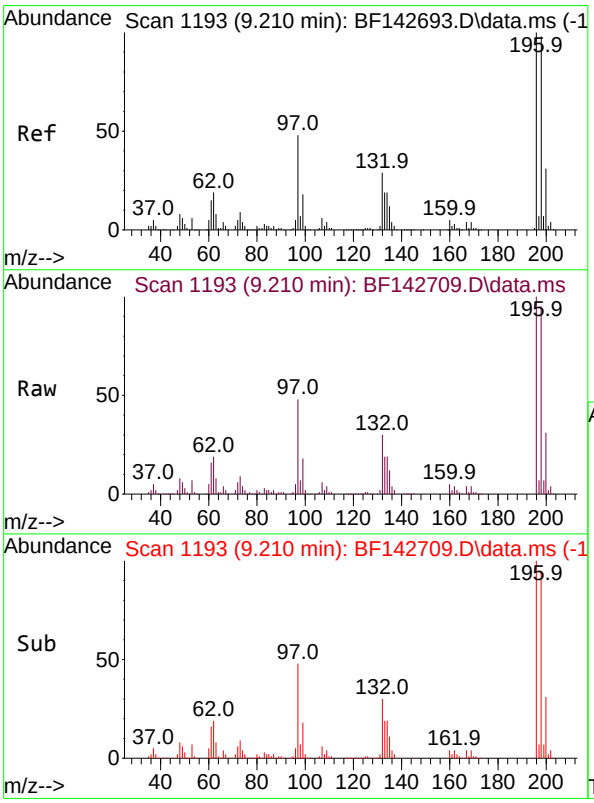
#43
2,4,6-Trichlorophenol
Concen: 40.300 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 114375

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.1	115.7
200	29.6	24.5	36.7

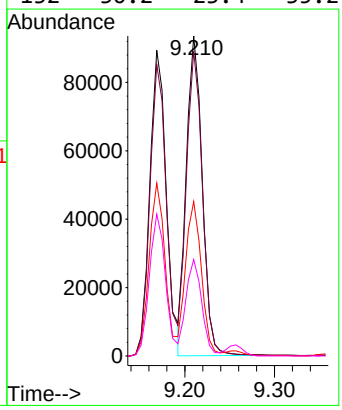


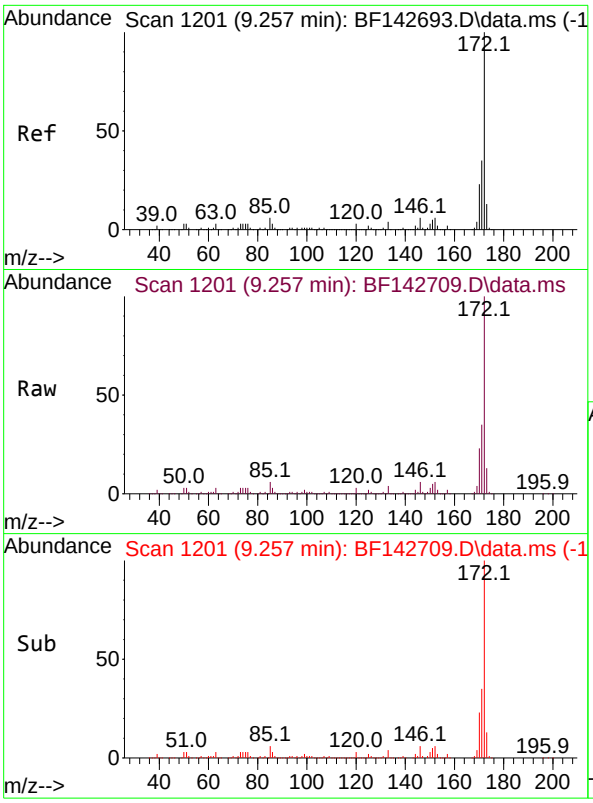


#44
2,4,5-Trichlorophenol
Concen: 38.165 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:196 Resp: 115692

Ion	Ratio	Lower	Upper
196	100		
198	95.3	78.2	117.2
97	48.2	39.2	58.8
132	30.2	23.4	35.2



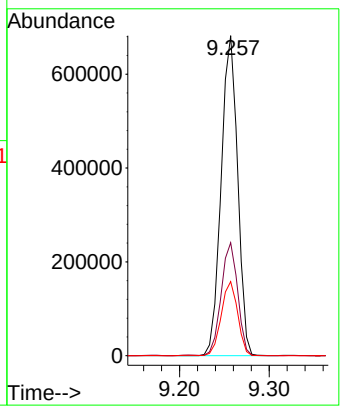


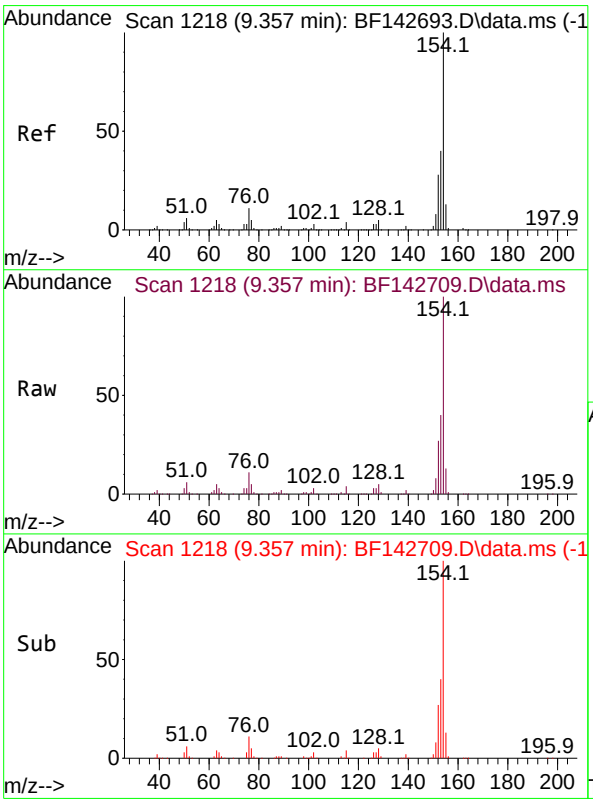
#45
2-Fluorobiphenyl
Concen: 79.492 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 869968

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.1	18.7	28.1

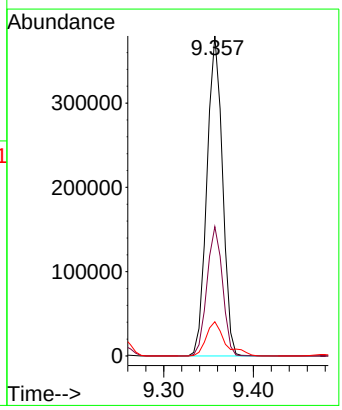


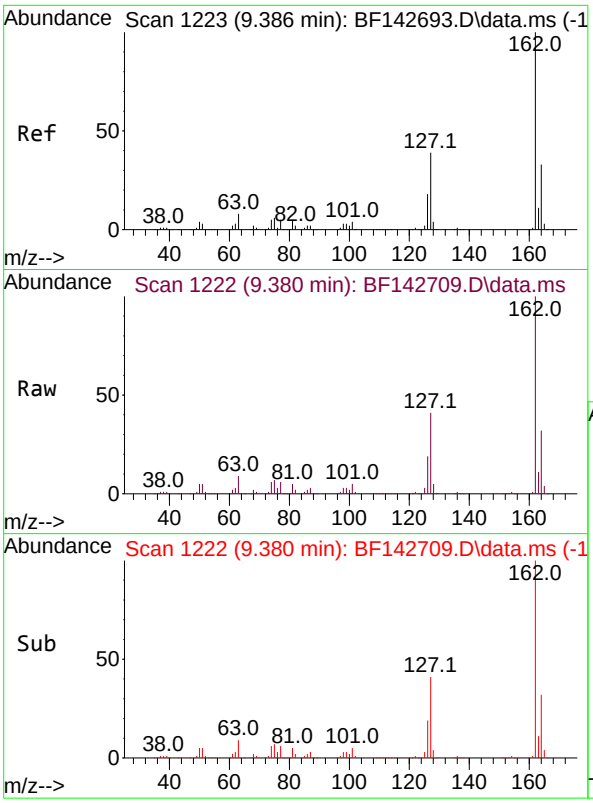


#46
1,1'-Biphenyl
Concen: 39.258 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:154 Resp: 456893

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.7	0.0	31.4



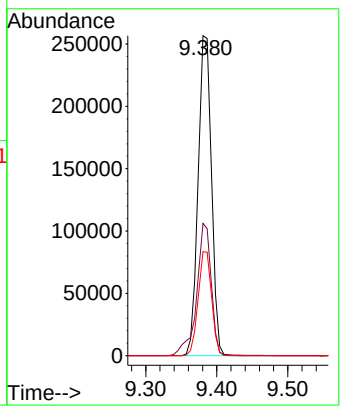


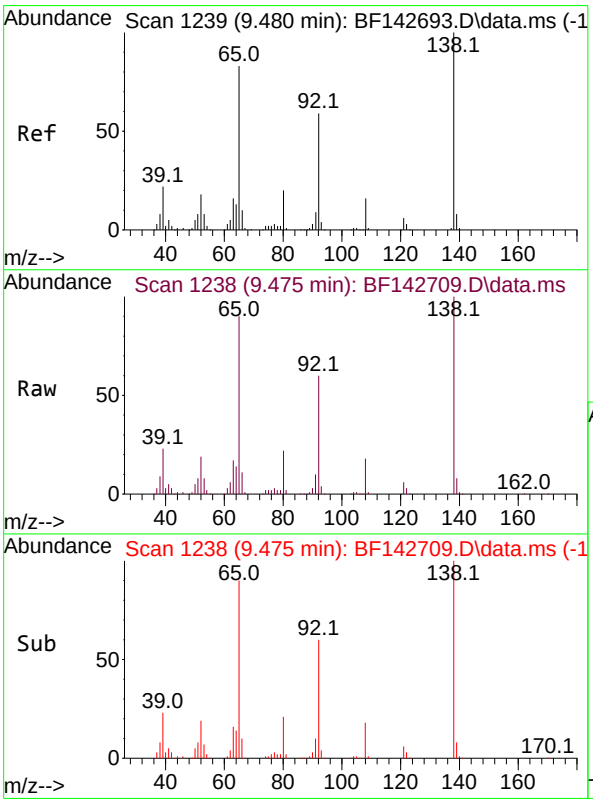
#47
2-Chloronaphthalene
Concen: 38.766 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 338045

Ion	Ratio	Lower	Upper
162	100		
127	41.4	31.7	47.5
164	32.5	26.2	39.4

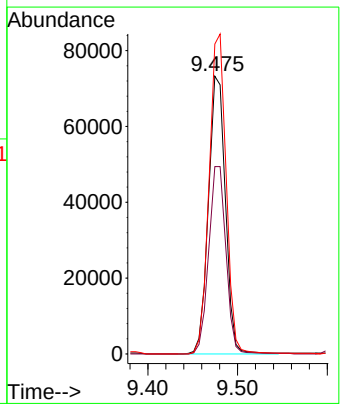


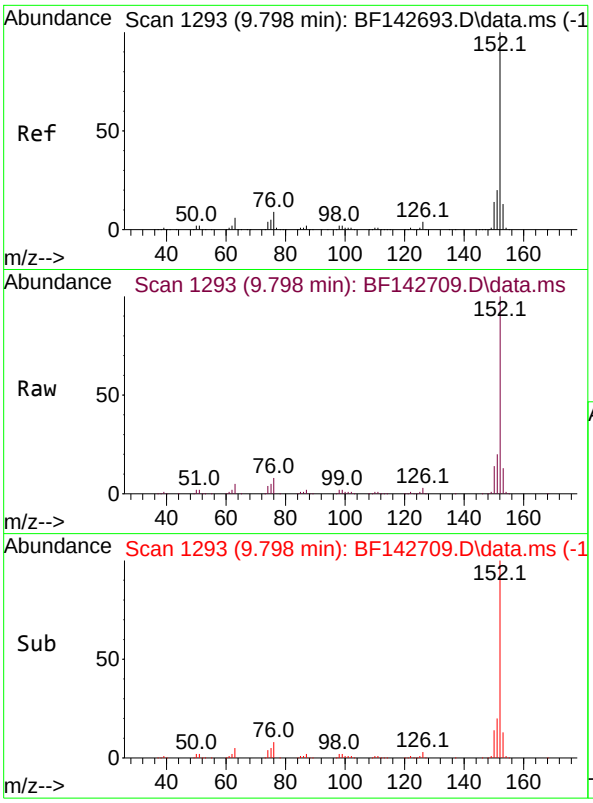


#48
2-Nitroaniline
Concen: 37.187 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion: 65 Resp: 96497

Ion	Ratio	Lower	Upper
65	100		
92	67.4	56.3	84.5
138	111.6	95.9	143.9



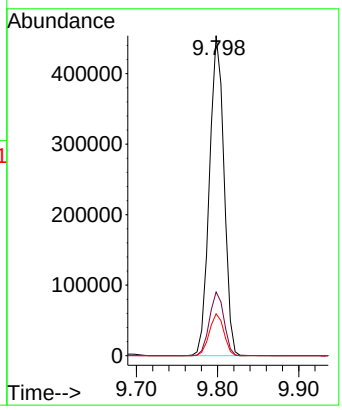


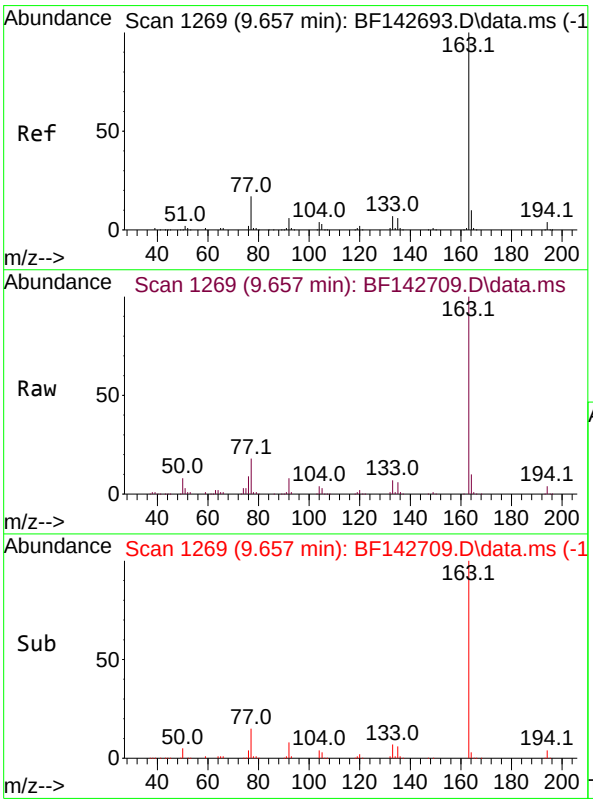
#49
Acenaphthylene
Concen: 39.067 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 564605

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

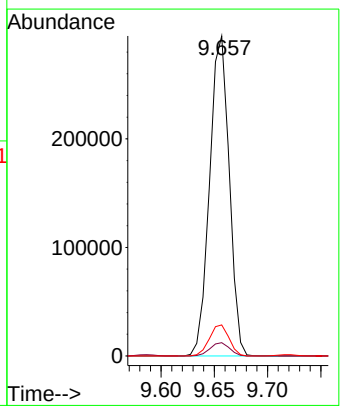


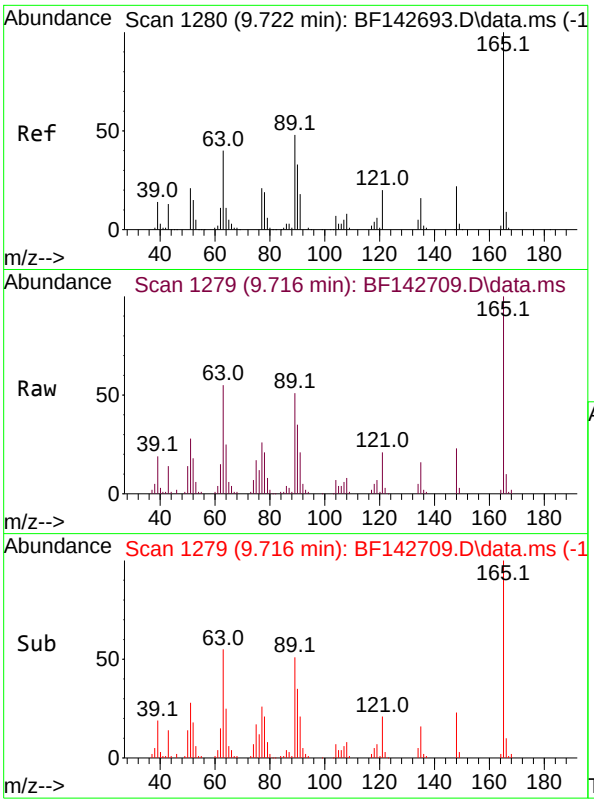


#50
Dimethylphthalate
Concen: 37.415 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:163 Resp: 376757

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	8.1	12.1



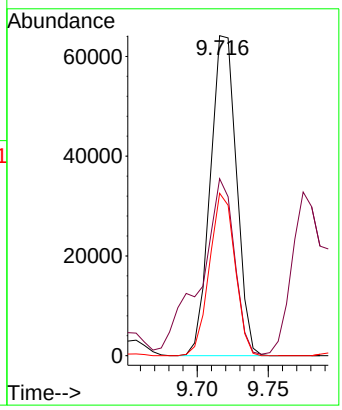


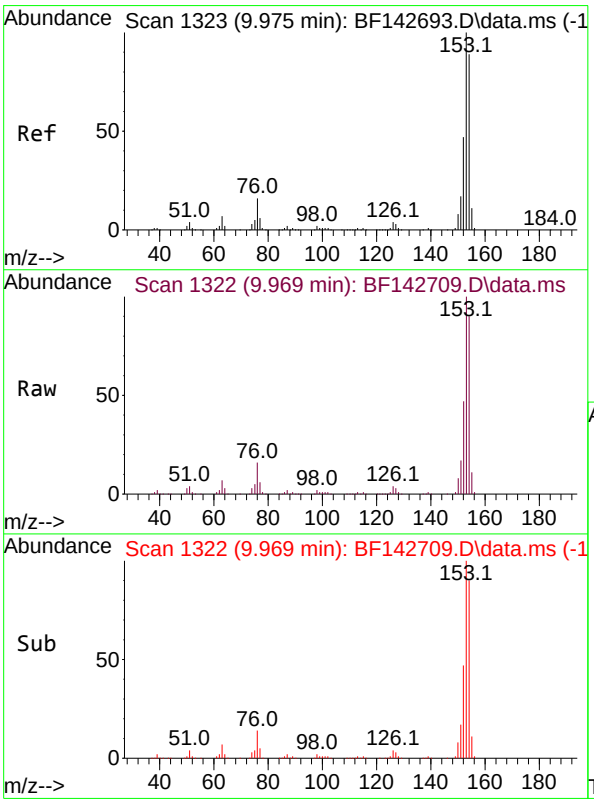
#51
2,6-Dinitrotoluene
Concen: 37.750 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 82231

Ion	Ratio	Lower	Upper
165	100		
63	55.3	41.3	61.9
89	50.8	38.1	57.1

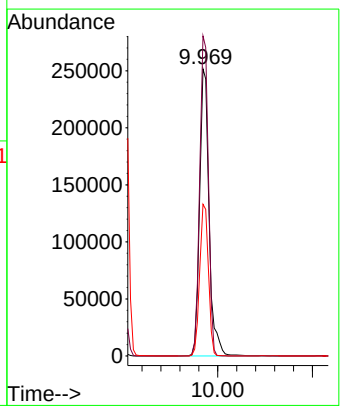


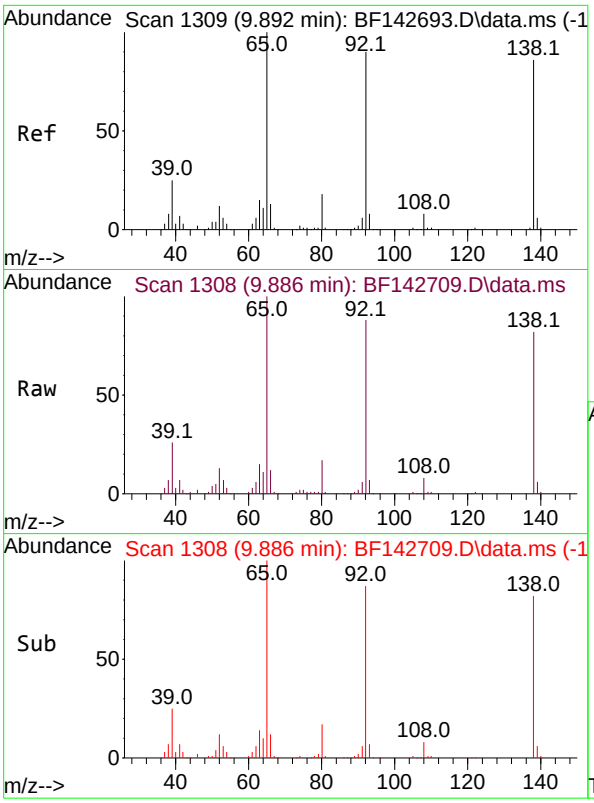


#52
Acenaphthene
Concen: 39.278 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:154 Resp: 347261

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.5	134.3
152	52.8	41.8	62.8



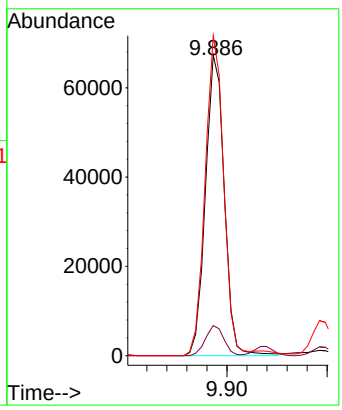


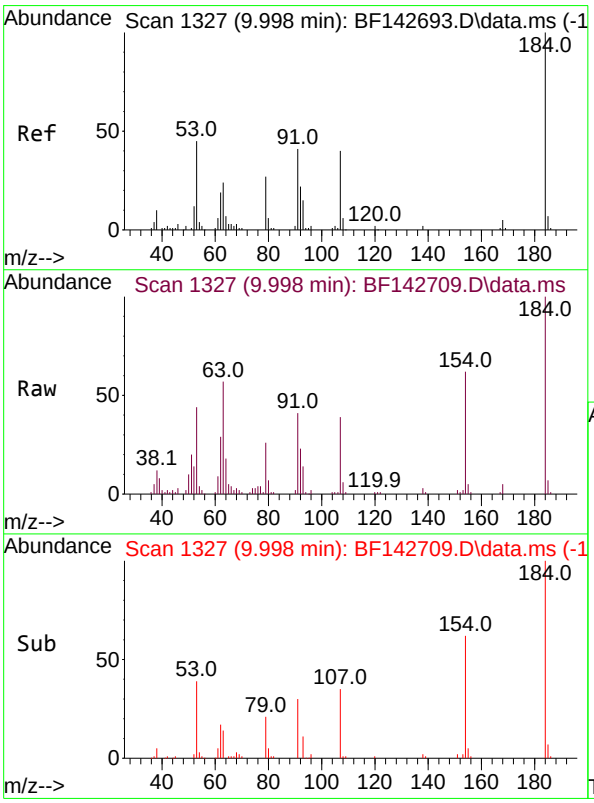
#53
3-Nitroaniline
Concen: 35.906 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 87885

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.7	11.5
92	106.5	83.4	125.0

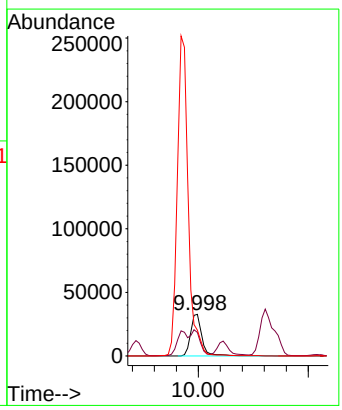


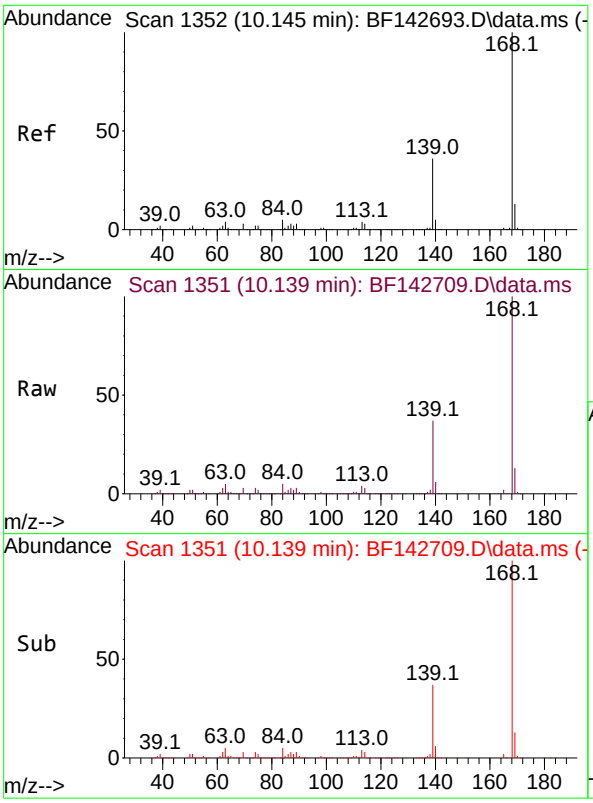


#54
2,4-Dinitrophenol
Concen: 38.853 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:184 Resp: 46858

Ion	Ratio	Lower	Upper
184	100		
63	56.6	47.4	71.0
154	62.2	48.6	73.0



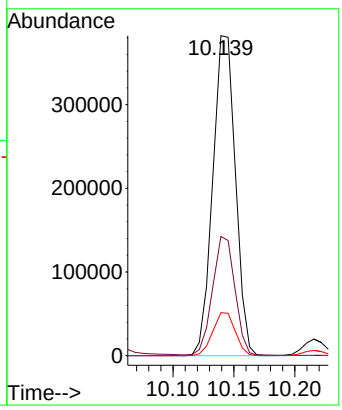


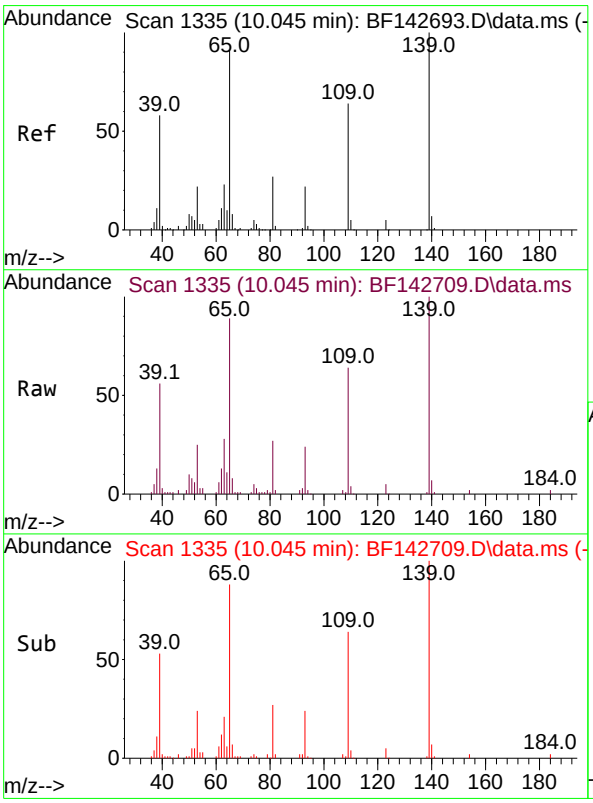
#55
Dibenzofuran
Concen: 39.092 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 495828

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.2	43.8
169	13.4	10.7	16.1

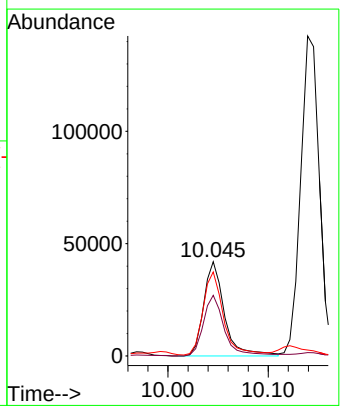


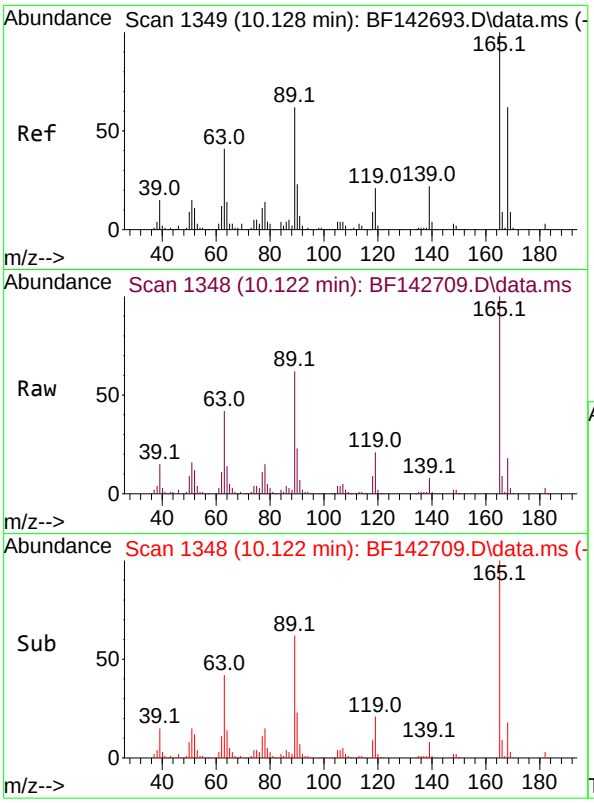


#56
4-Nitrophenol
Concen: 35.886 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:139 Resp: 60374

Ion	Ratio	Lower	Upper
139	100		
109	64.4	44.4	84.4
65	89.1	72.1	112.1



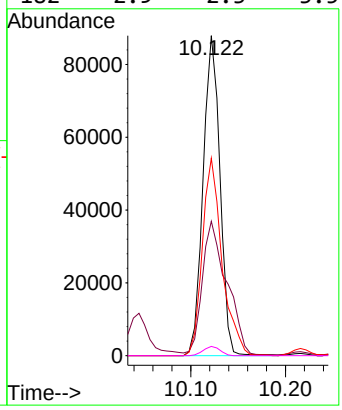


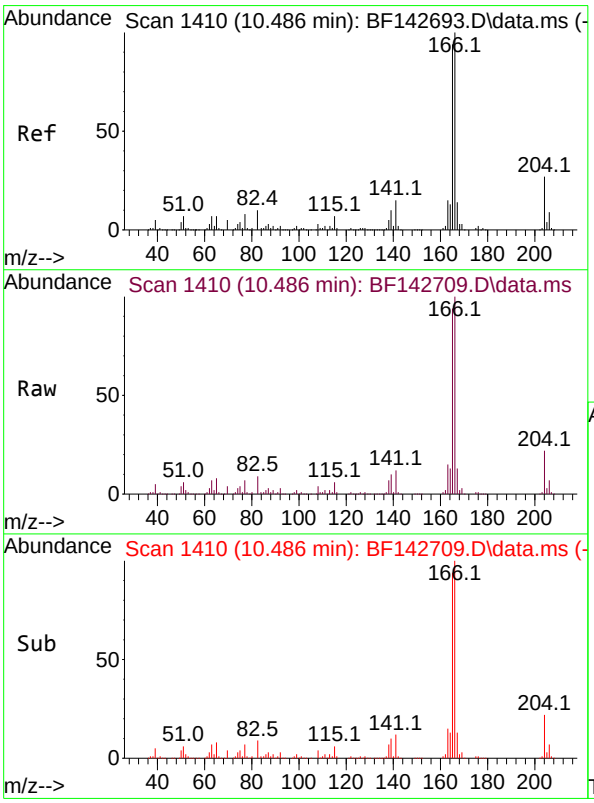
#57
2,4-Dinitrotoluene
Concen: 37.164 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 108516

Ion	Ratio	Lower	Upper
165	100		
63	42.0	33.6	50.4
89	61.7	49.4	74.0
182	2.9	2.3	3.5

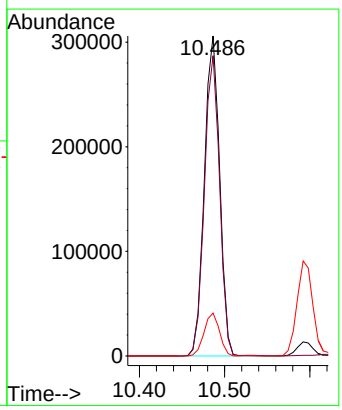


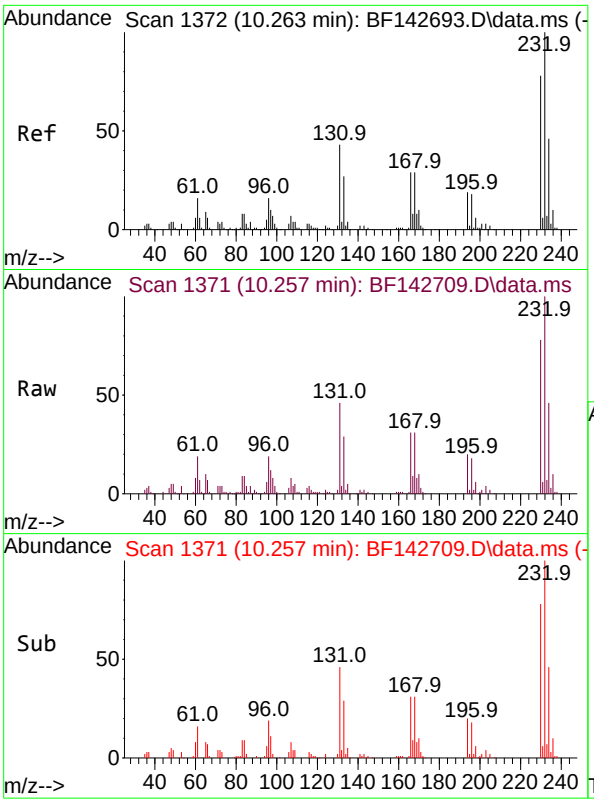


#58
Fluorene
Concen: 37.579 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:166 Resp: 380963

Ion	Ratio	Lower	Upper
166	100		
165	93.8	75.0	112.6
167	13.4	10.8	16.2



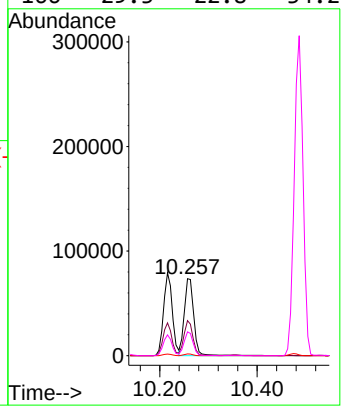


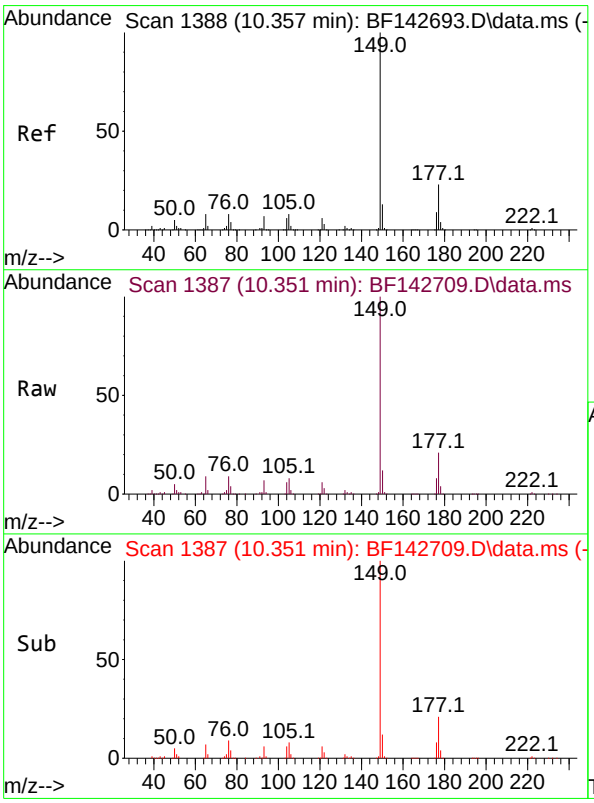
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.072 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 99666

Ion	Ratio	Lower	Upper
232	100		
131	42.6	33.5	50.3
130	2.0	1.5	2.3
166	29.3	22.8	34.2

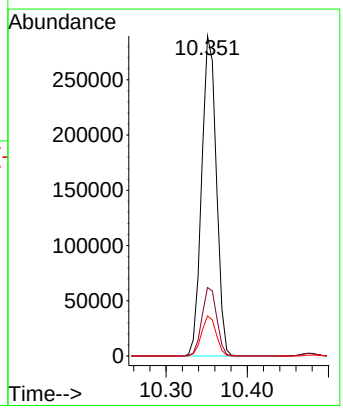


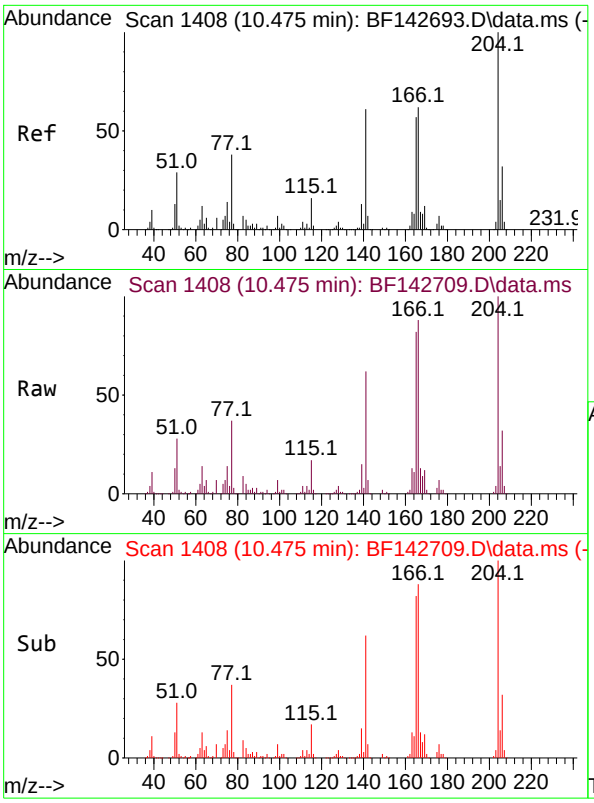


#60
Diethylphthalate
Concen: 37.208 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:149 Resp: 363744

Ion	Ratio	Lower	Upper
149	100		
177	21.4	18.0	27.0
150	12.5	10.0	15.0



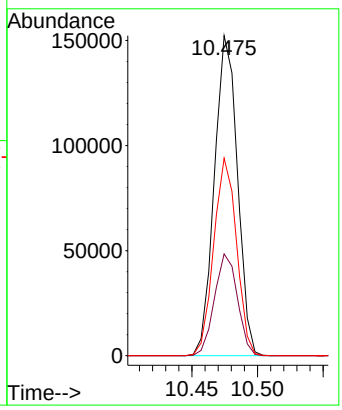


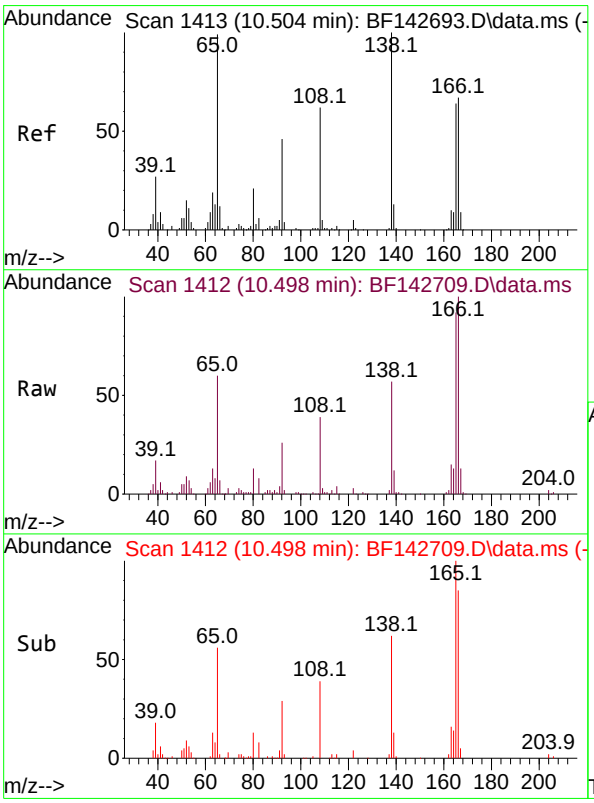
#61
4-Chlorophenyl-phenylether
Concen: 38.791 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 185927

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.6	38.4
141	61.7	48.9	73.3

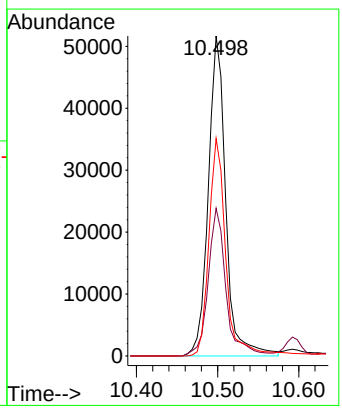


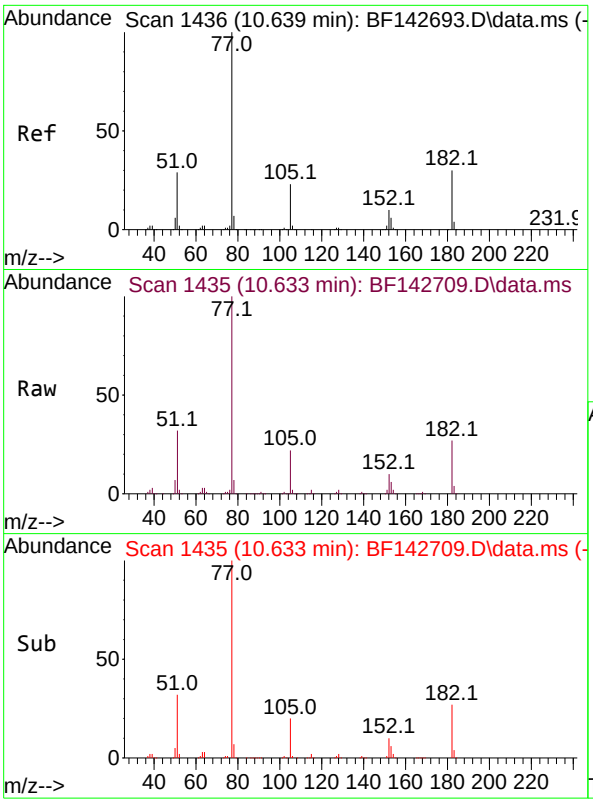


#62
4-Nitroaniline
Concen: 33.211 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:138 Resp: 77112

Ion	Ratio	Lower	Upper
138	100		
92	46.2	25.8	65.8
108	67.9	42.3	82.3



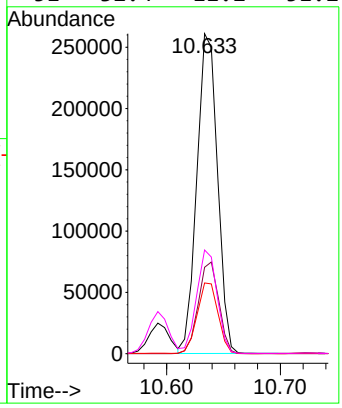


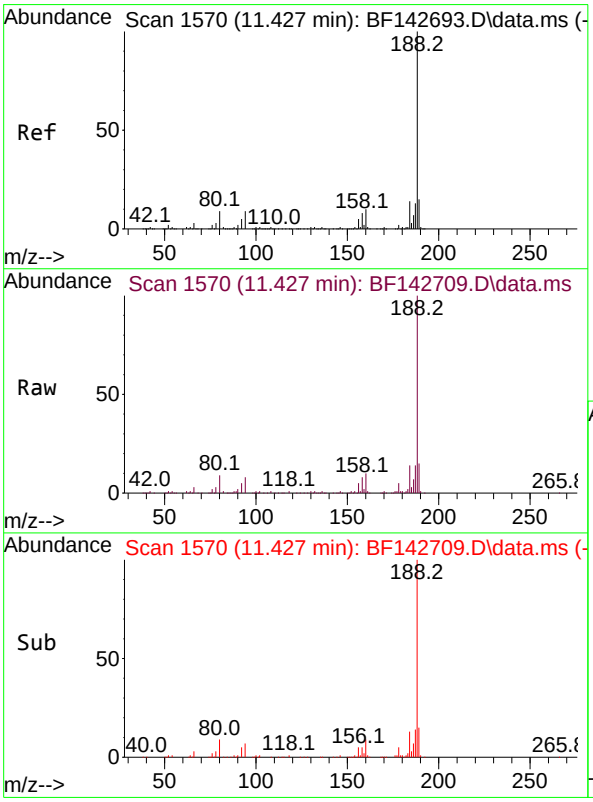
#63
Azobenzene
Concen: 37.644 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 329652

Ion	Ratio	Lower	Upper
77	100		
182	27.0	9.5	49.5
105	22.1	2.3	42.3
51	32.4	11.2	51.2

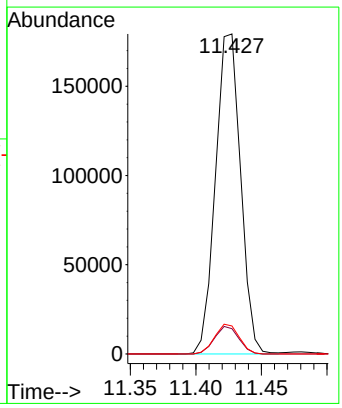


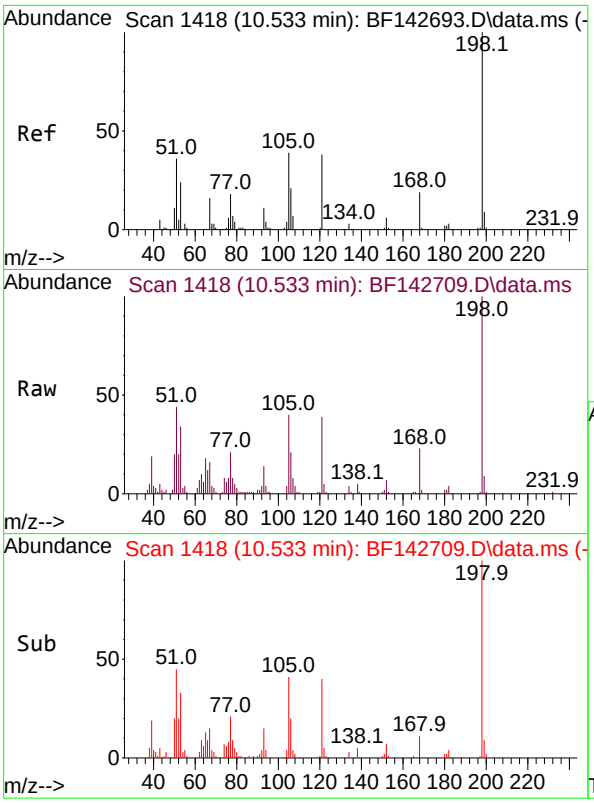


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:188 Resp: 238702

Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.0	10.4
80	8.8	7.2	10.8



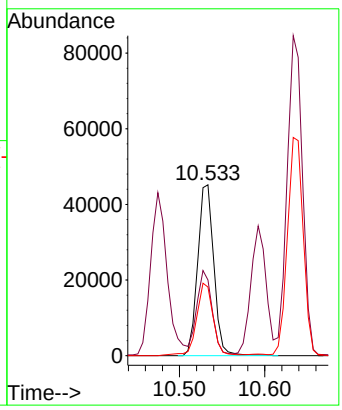


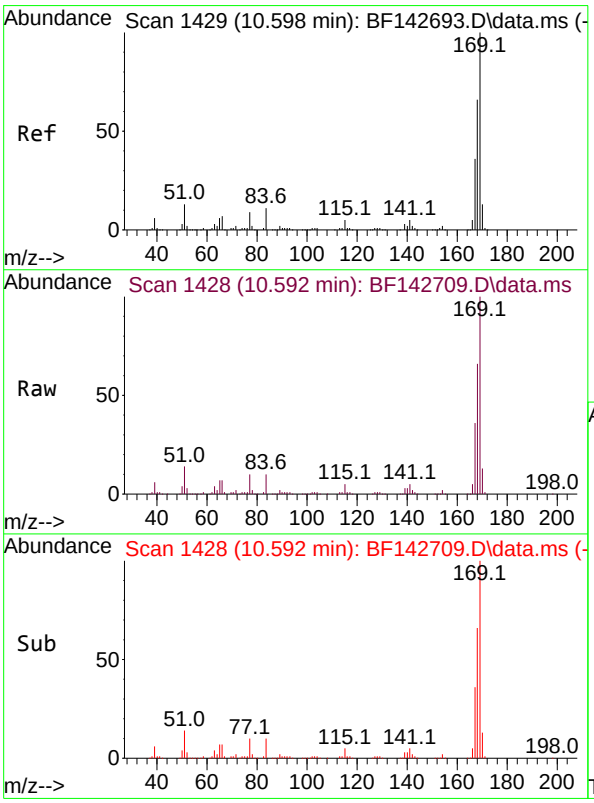
#65
4,6-Dinitro-2-methylphenol
Concen: 39.014 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 59397

Ion	Ratio	Lower	Upper
198	100		
51	44.3	25.9	65.9
105	40.2	20.0	60.0

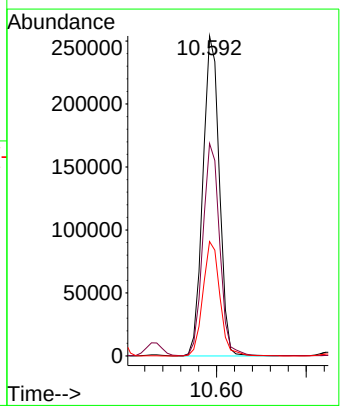


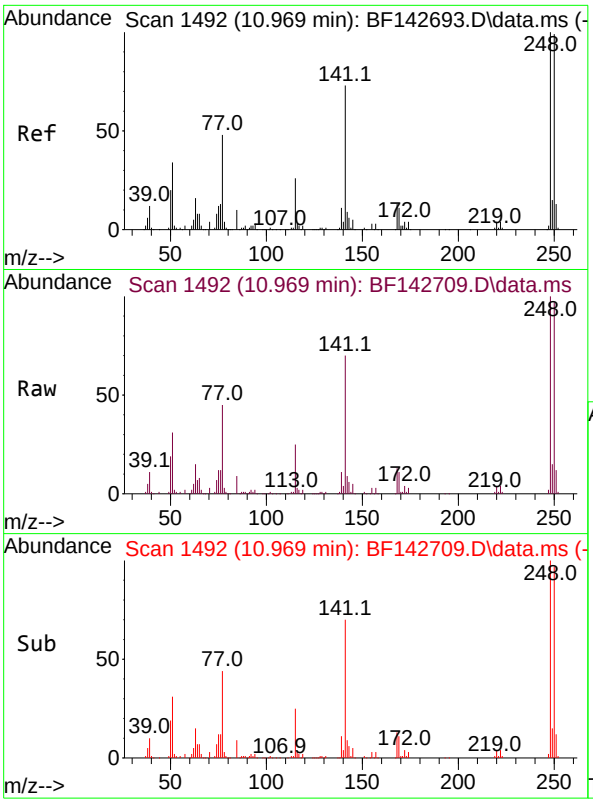


#66
n-Nitrosodiphenylamine
Concen: 41.848 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:169 Resp: 322521

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.1	79.7
167	35.8	28.4	42.6



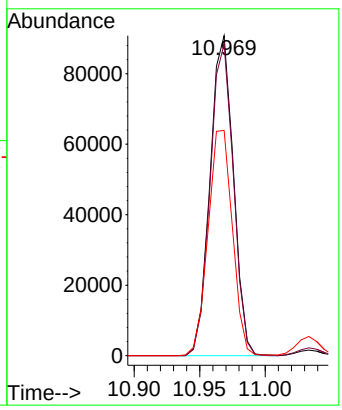


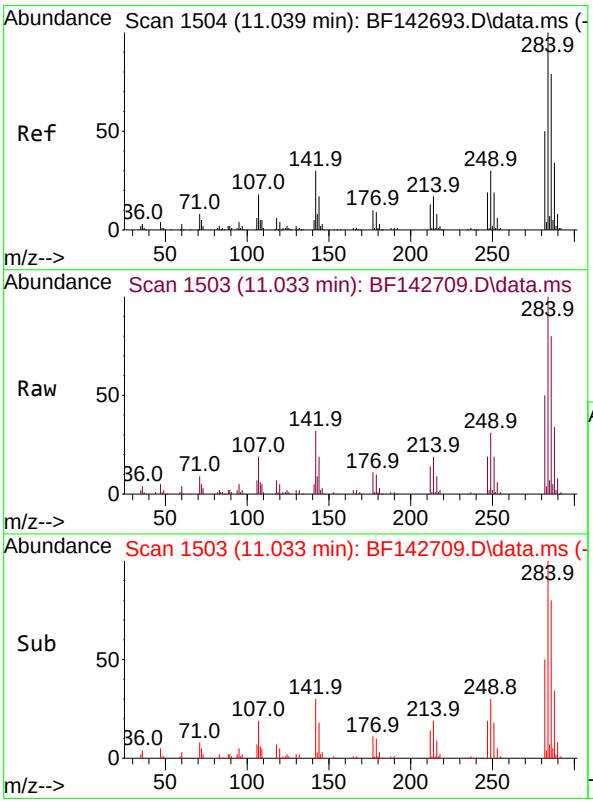
#67
4-Bromophenyl-phenylether
Concen: 42.713 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 112692

Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.1	118.7
141	70.4	58.5	87.7

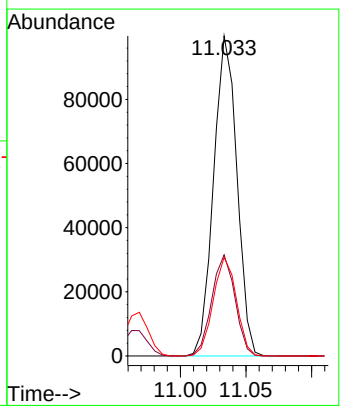


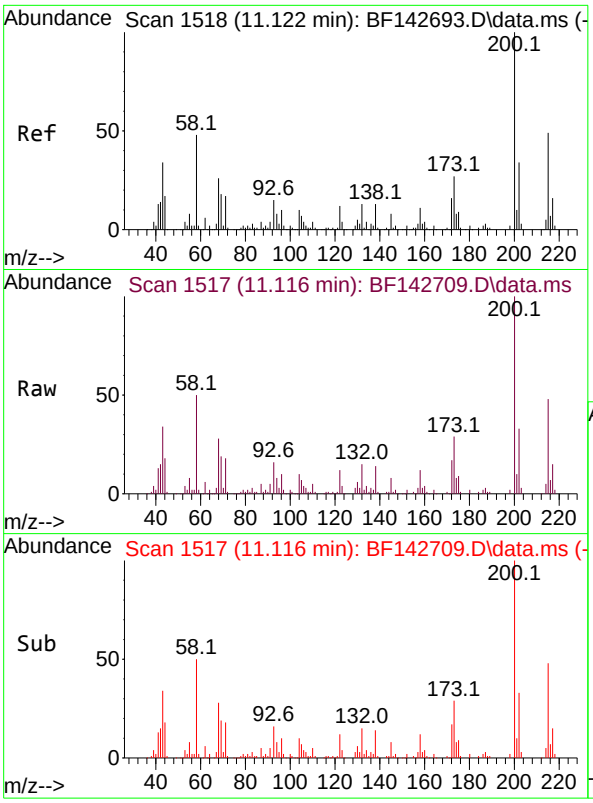


#68
Hexachlorobenzene
Concen: 40.626 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:284 Resp: 123162

Ion	Ratio	Lower	Upper
284	100		
142	31.6	23.6	35.4
249	30.9	23.8	35.8



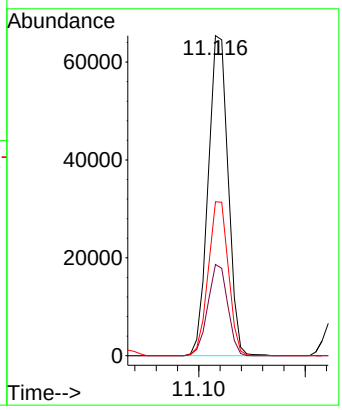


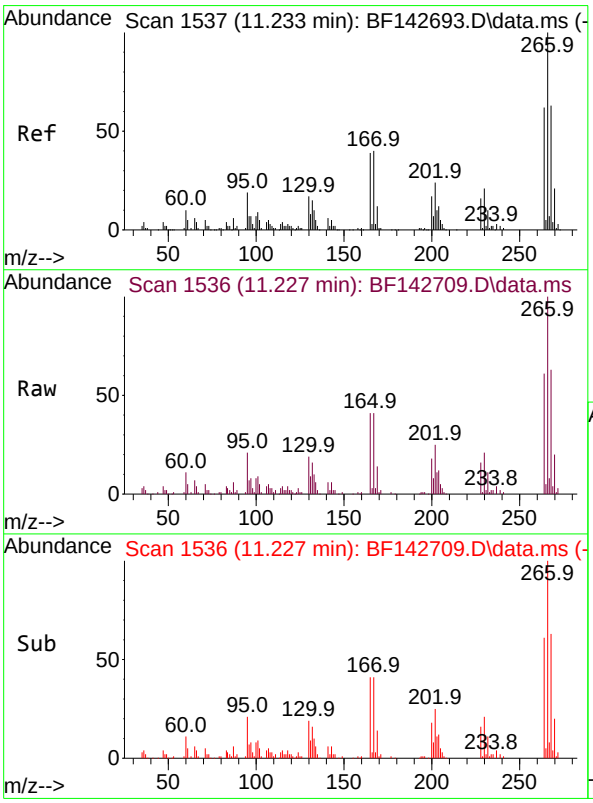
#69
Atrazine
Concen: 36.463 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 85223

Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.4	47.4
215	48.1	28.9	68.9

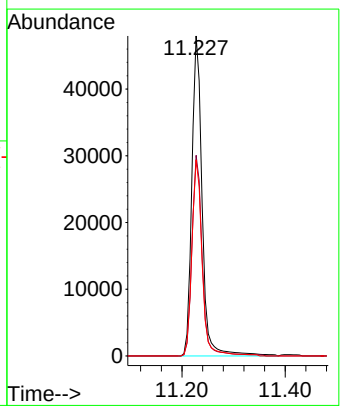


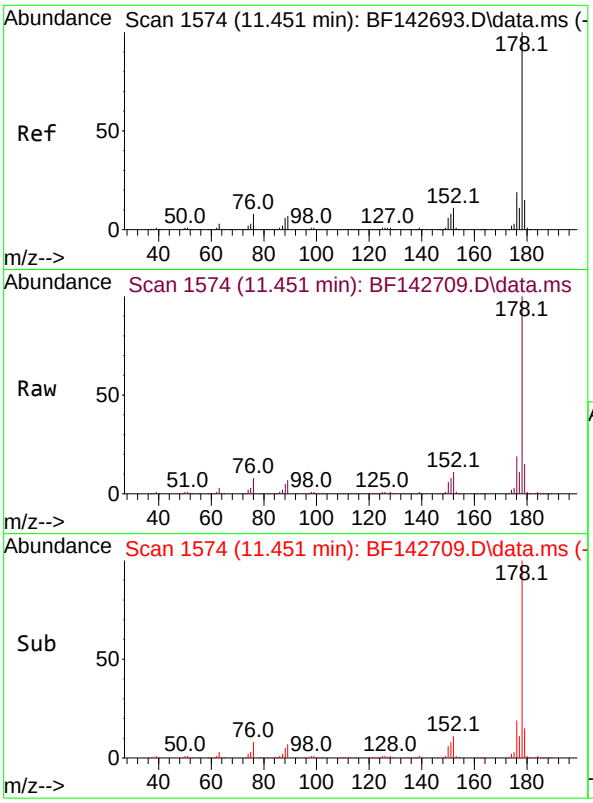


#70
Pentachlorophenol
Concen: 39.873 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:266 Resp: 66476

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.8	76.2
264	61.3	49.7	74.5



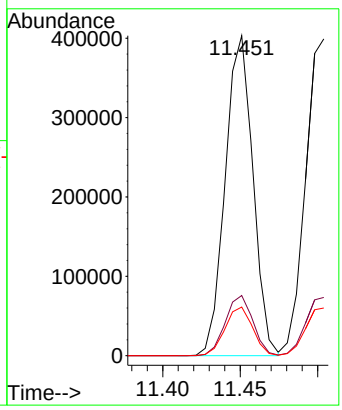


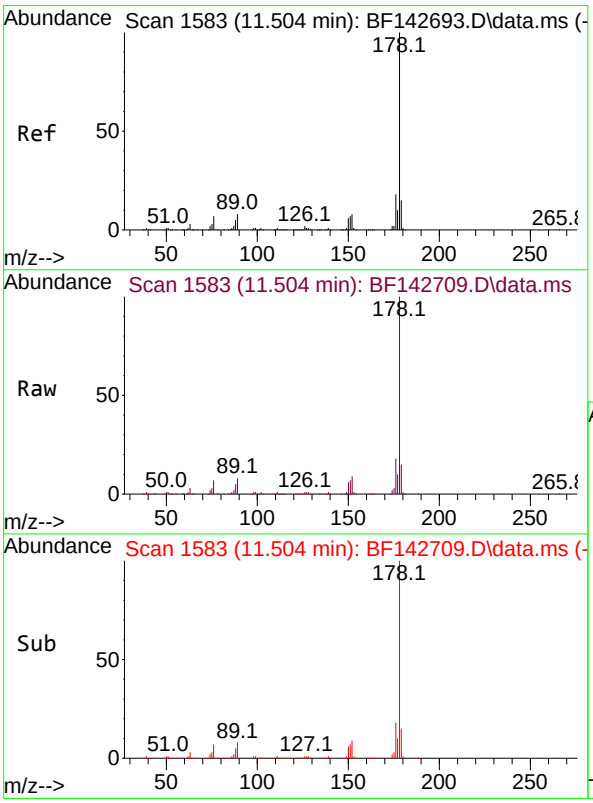
#71
Phenanthrene
Concen: 39.301 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 501517

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.2	12.4	18.6

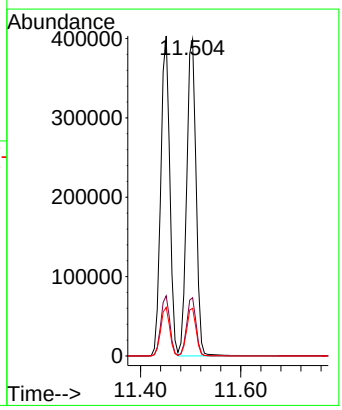


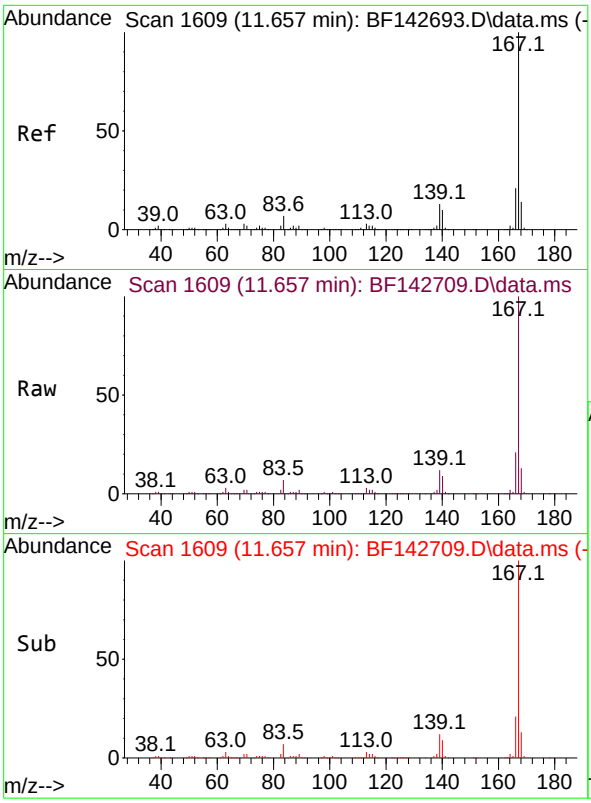


#72
Anthracene
Concen: 39.152 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:178 Resp: 518482

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.1	12.2	18.2



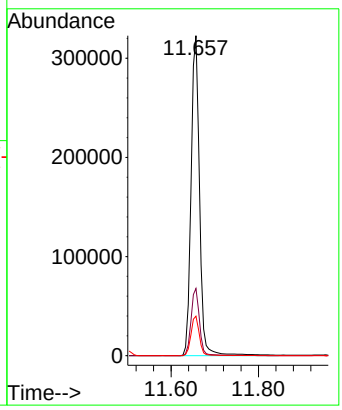


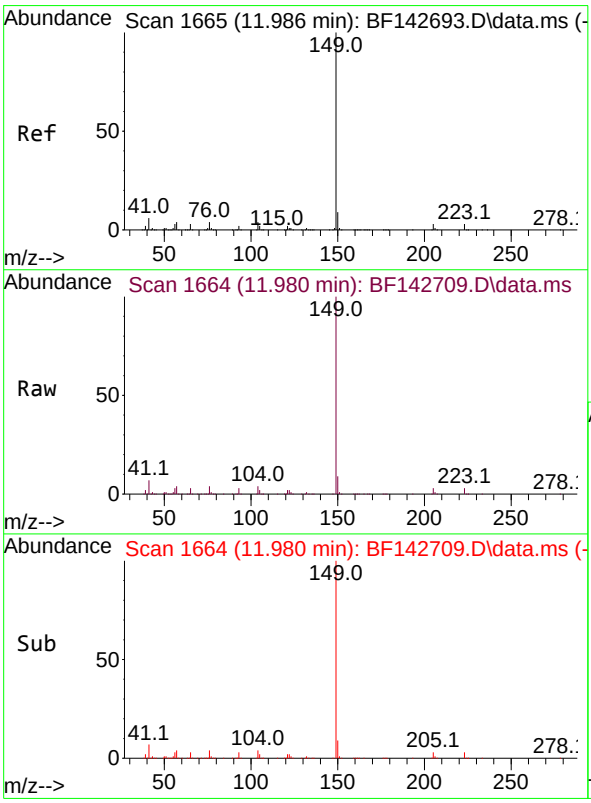
#73
Carbazole
Concen: 36.534 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 435663

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.4	10.1	15.1

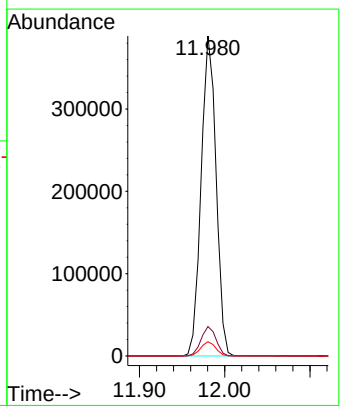


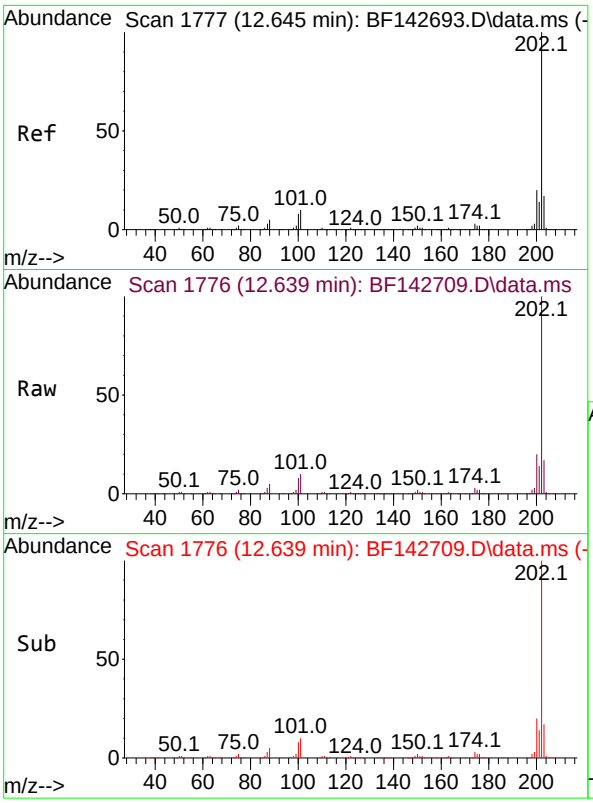


#74
Di-n-butylphthalate
Concen: 37.337 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:149 Resp: 472669

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.3	4.9



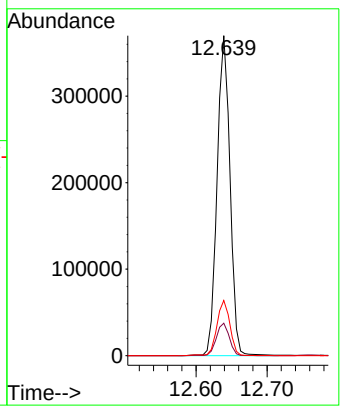


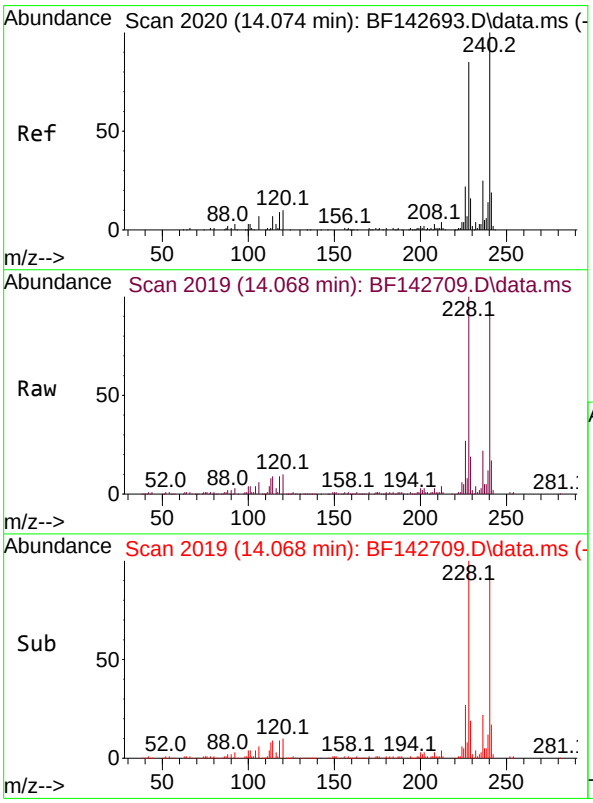
#75
Fluoranthene
Concen: 36.334 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 464559

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.3	0.0	37.3

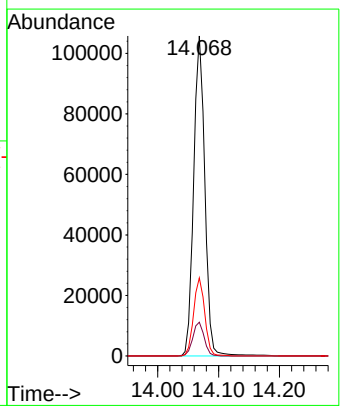


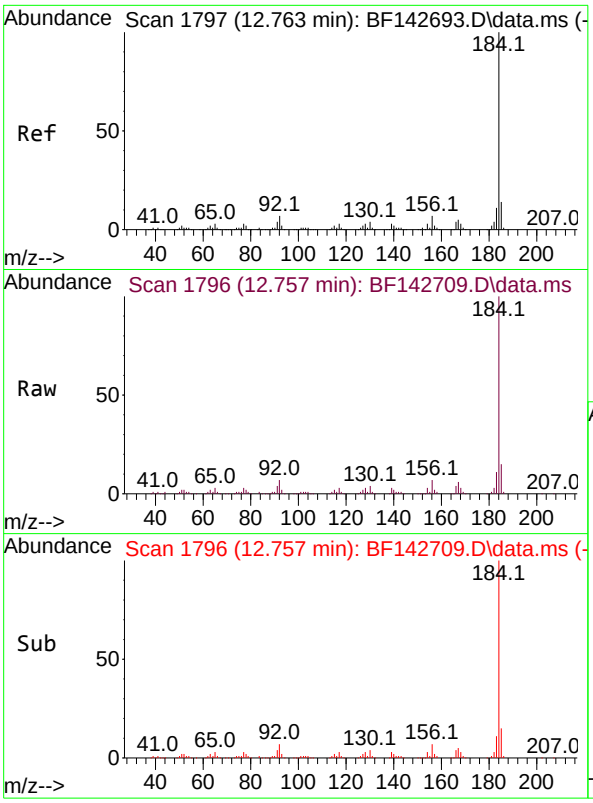


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:240 Resp: 135085

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.4	12.6
236	24.4	20.2	30.2



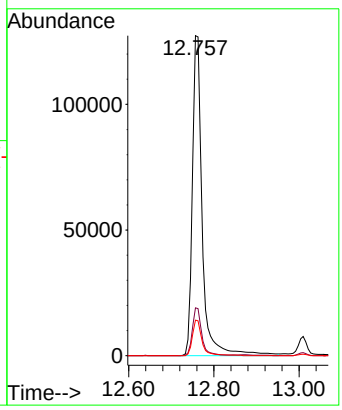


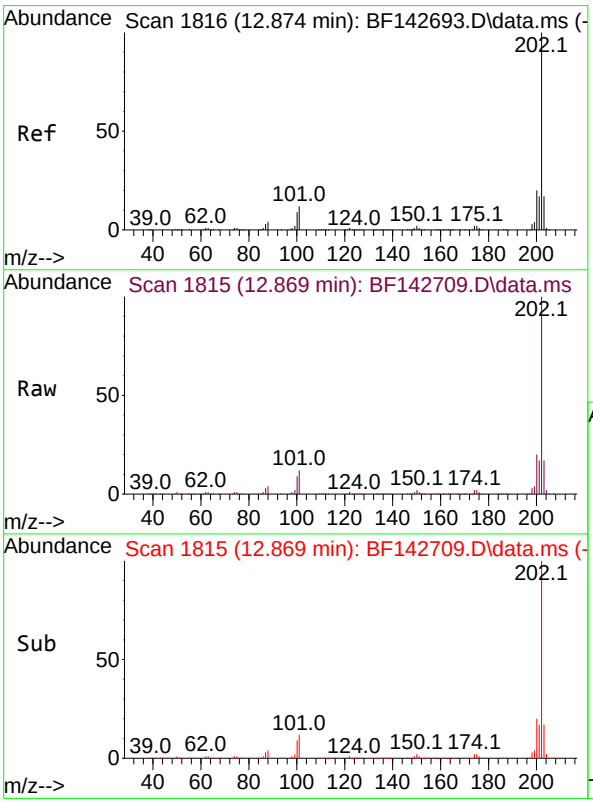
#77
Benzidine
Concen: 44.148 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 205826

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	11.1	8.9	13.3

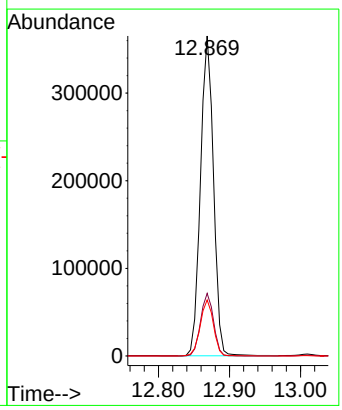


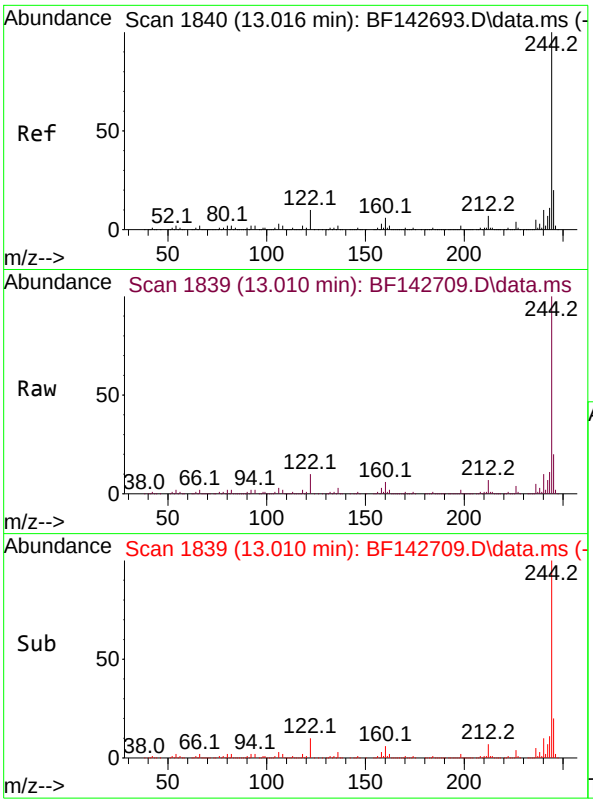


#78
Pyrene
Concen: 42.300 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:202 Resp: 465611

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.1	24.1
203	17.5	13.9	20.9



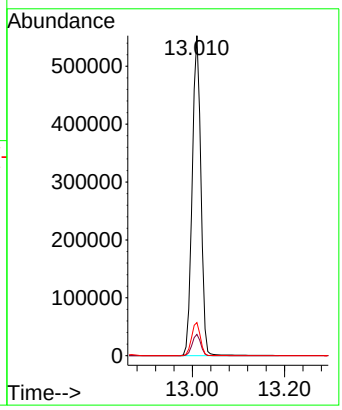


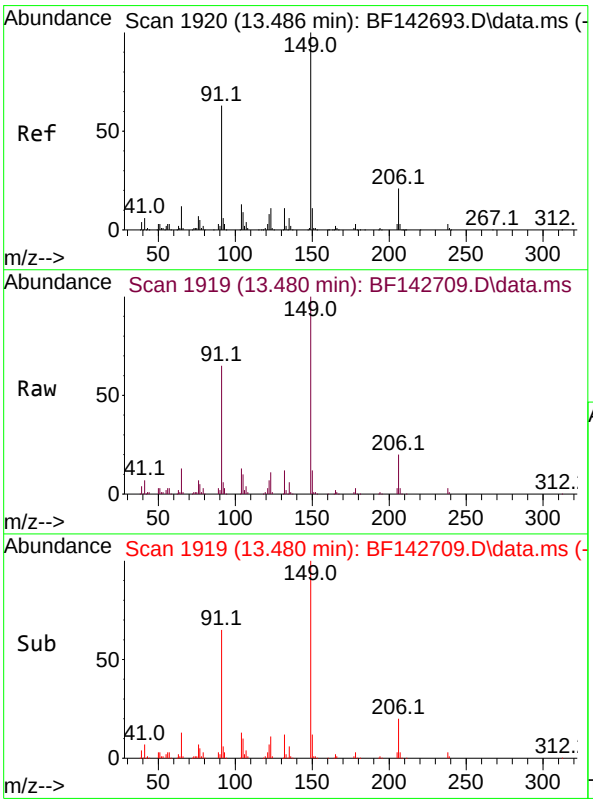
#79
Terphenyl-d14
Concen: 84.314 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 720168

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.3	8.2	12.2

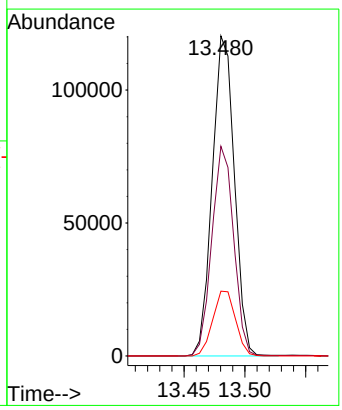


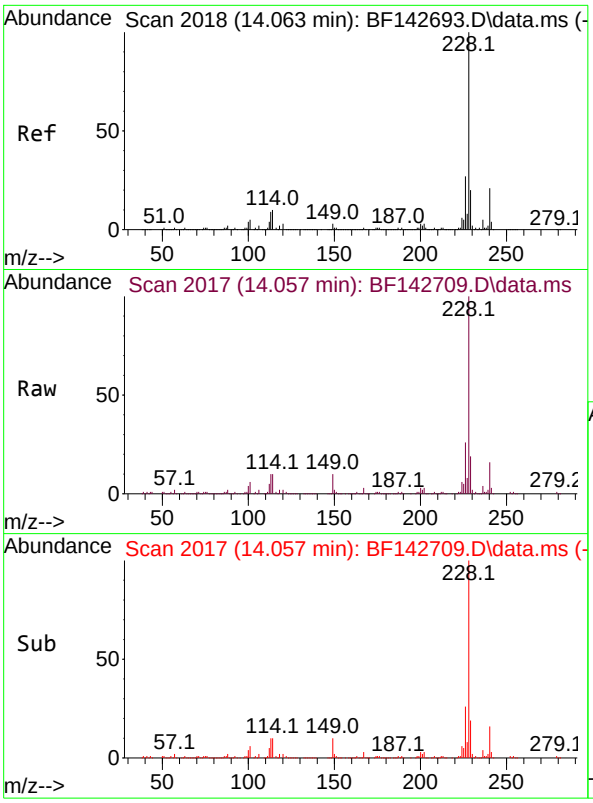


#80
Butylbenzylphthalate
Concen: 44.983 ng
RT: 13.480 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:149 Resp: 152483

Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.5	75.7
206	20.3	16.9	25.3



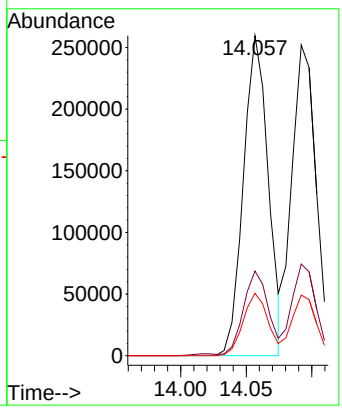


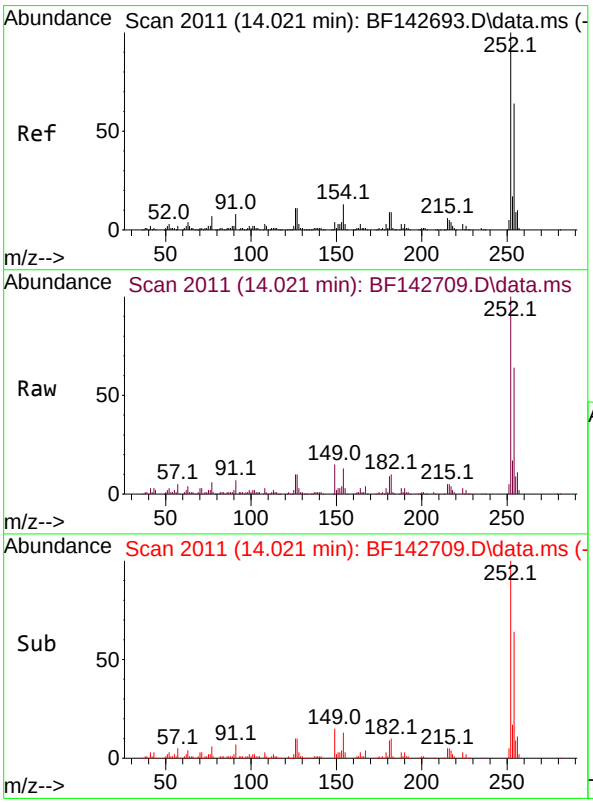
#81
Benzo(a)anthracene
Concen: 38.935 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 341337

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.8
229	19.5	15.8	23.6

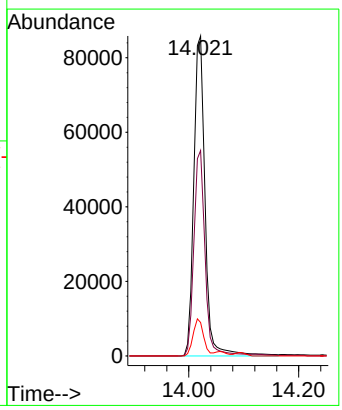


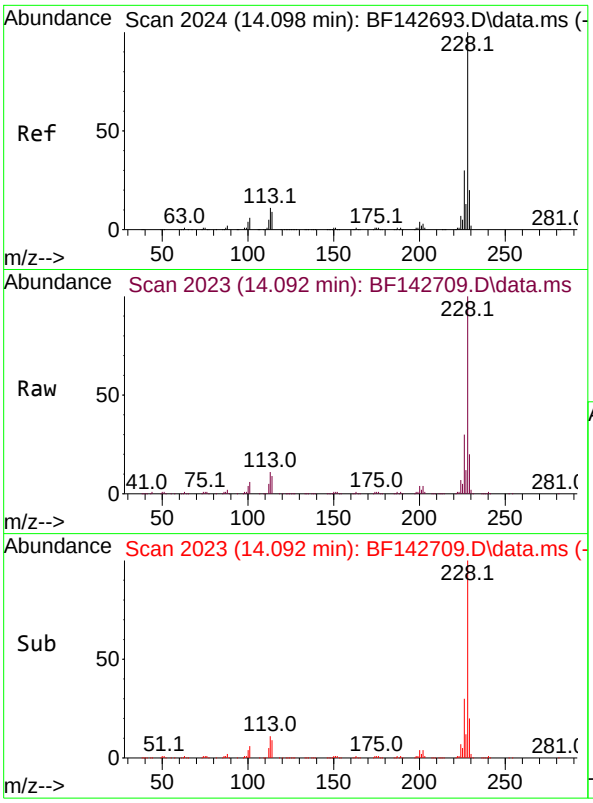


#82
3,3'-Dichlorobenzidine
Concen: 43.734 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:252 Resp: 122559

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.2
126	10.5	9.1	13.7



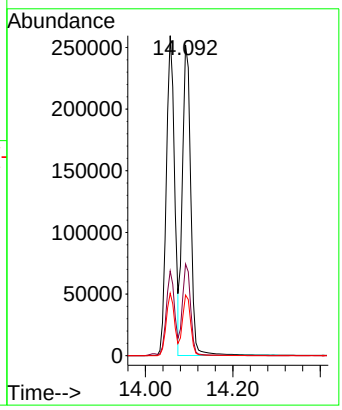


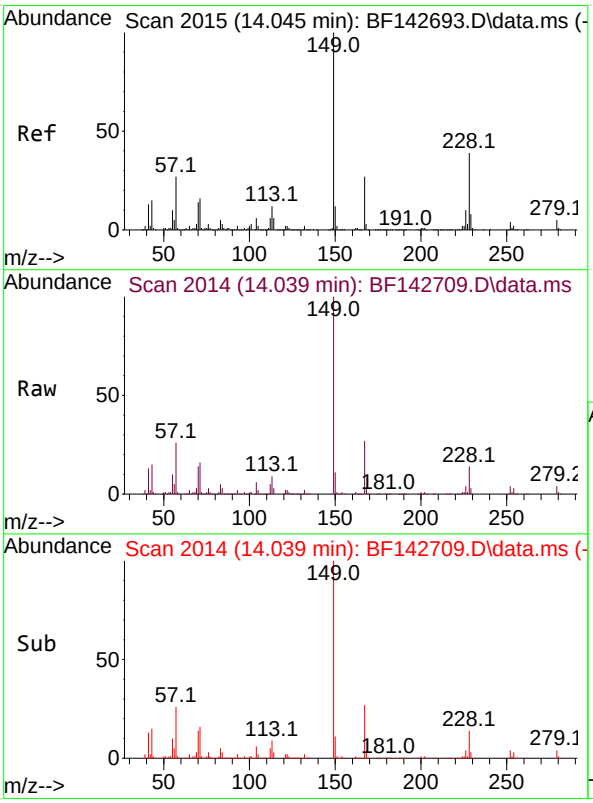
#83
Chrysene
Concen: 39.970 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 331906

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.8
229	19.5	15.8	23.6

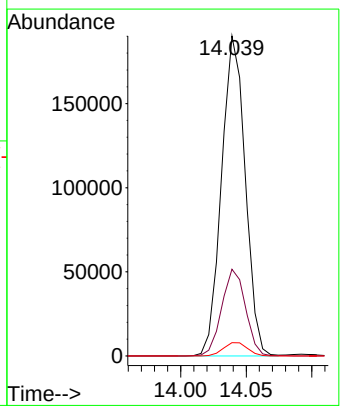


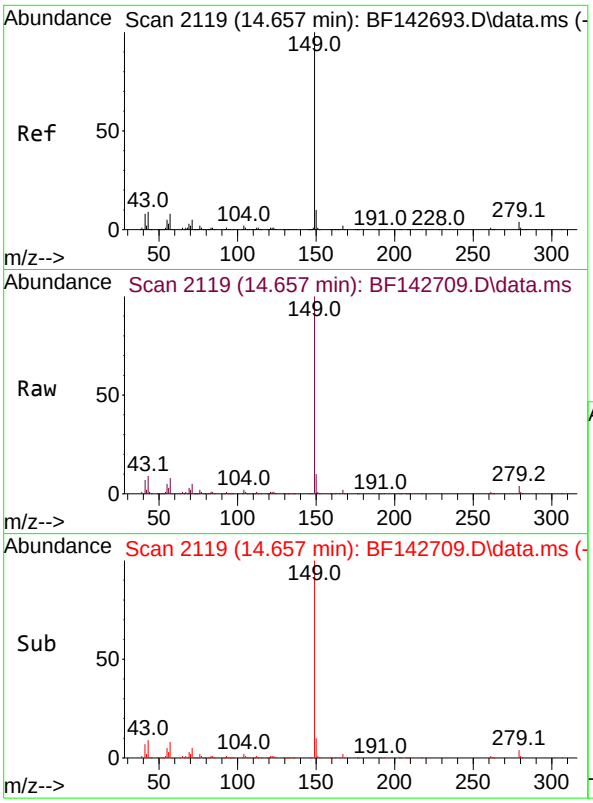


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.756 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:149 Resp: 239004

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.9	32.9
279	4.2	3.6	5.4



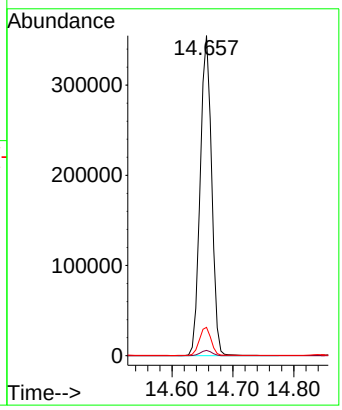


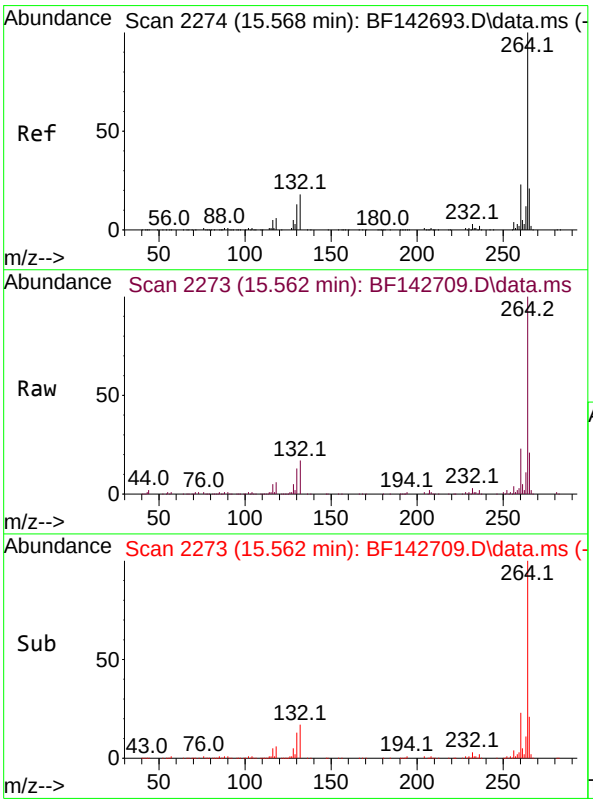
#85
Di-n-octyl phthalate
Concen: 61.358 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 461847

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	7.5	11.3

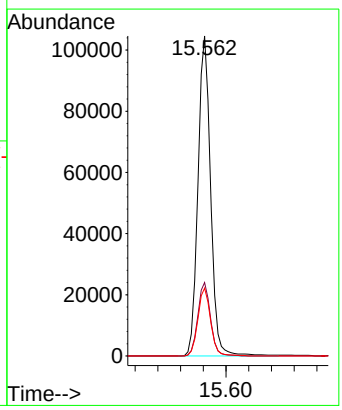


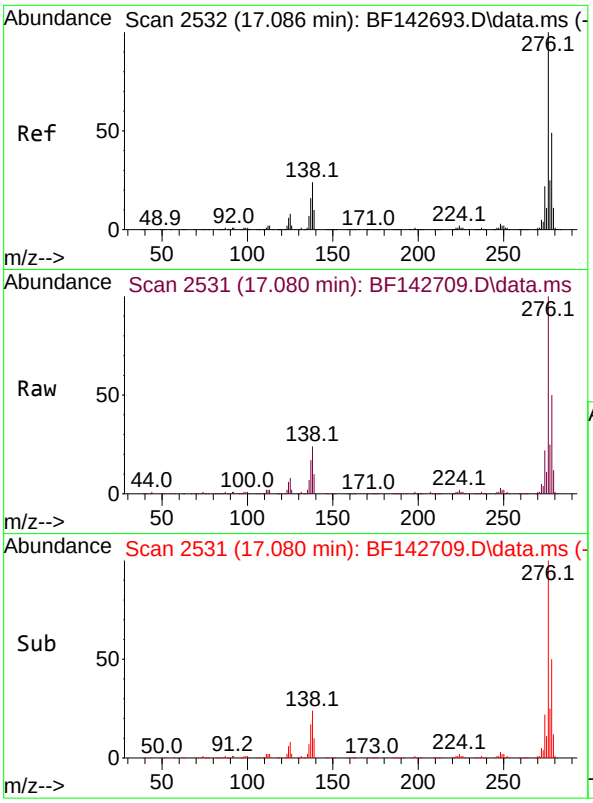


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:264 Resp: 161985

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.2	17.0	25.4



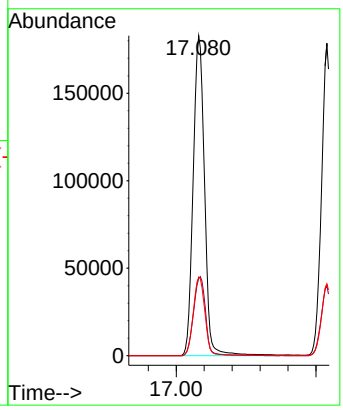


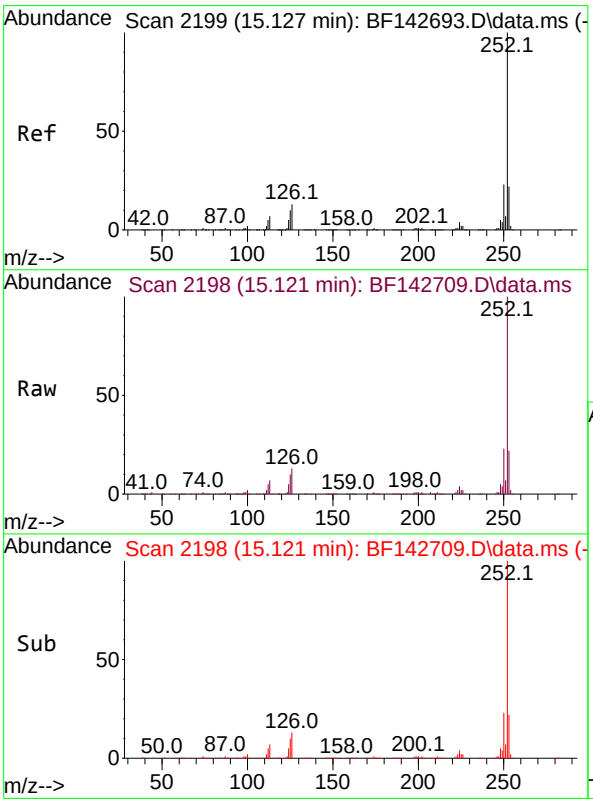
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.192 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 517815

Ion	Ratio	Lower	Upper
276	100		
138	25.8	20.8	31.2
277	25.1	20.2	30.2

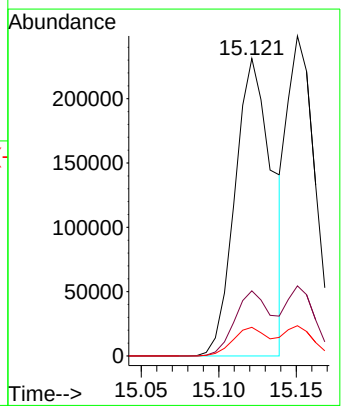


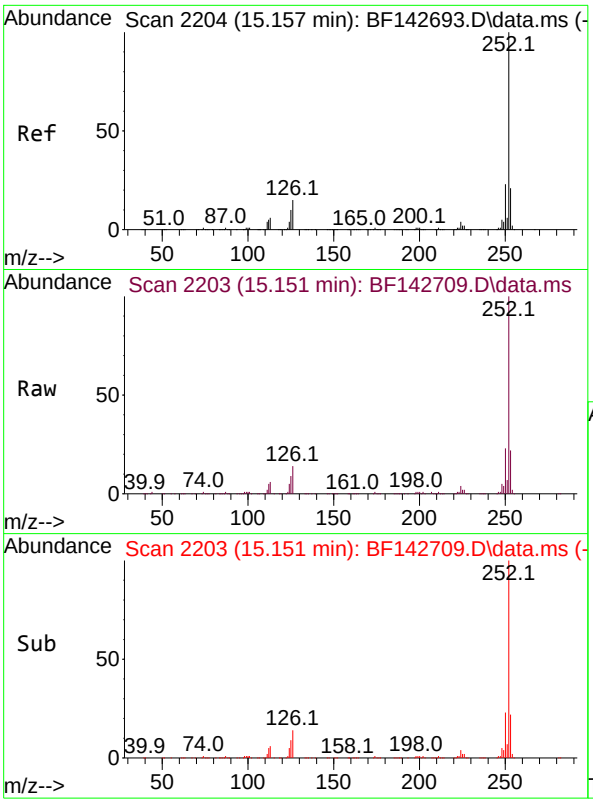


#88
Benzo(b)fluoranthene
Concen: 39.883 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:252 Resp: 385979

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.6	7.8	11.8



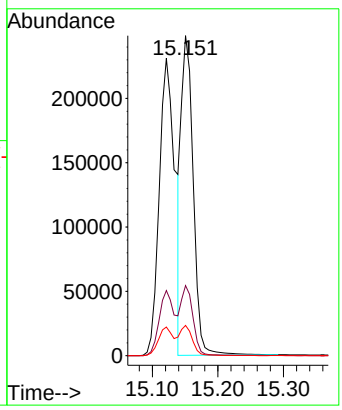


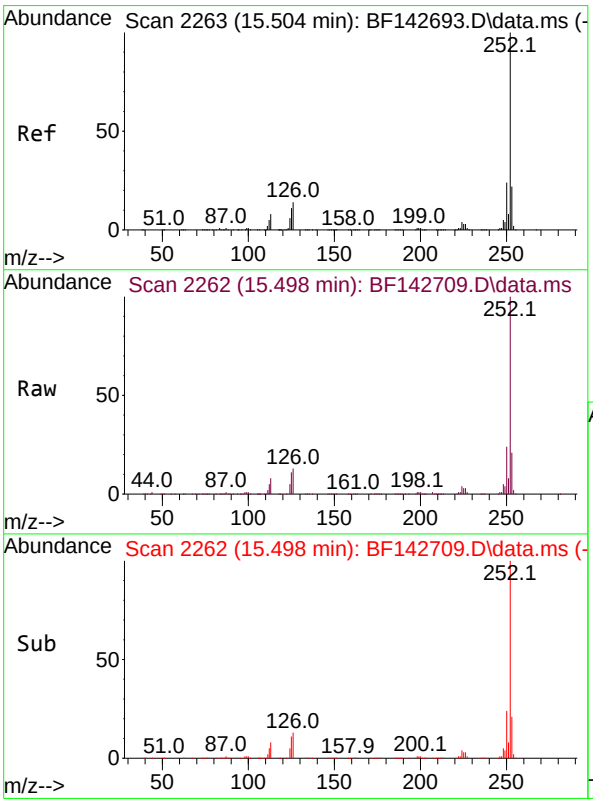
#89
Benzo(k)fluoranthene
Concen: 34.756 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 316516

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.4	7.7	11.5

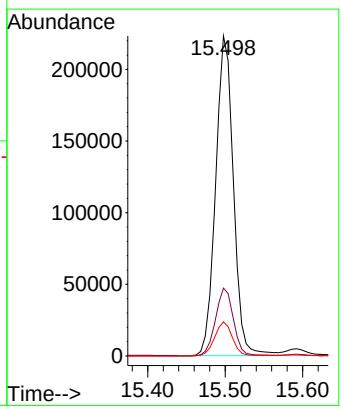


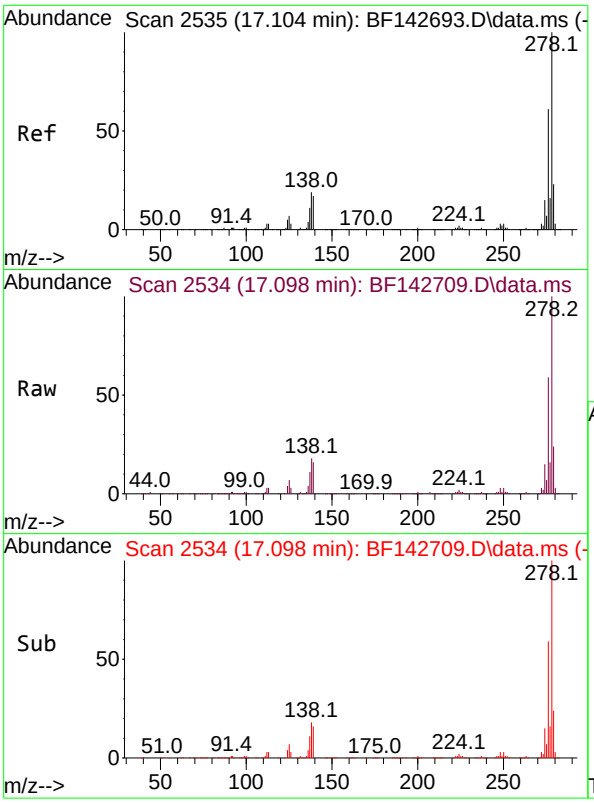


#90
Benzo(a)pyrene
Concen: 39.261 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:252 Resp: 356047

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	10.6	8.8	13.2



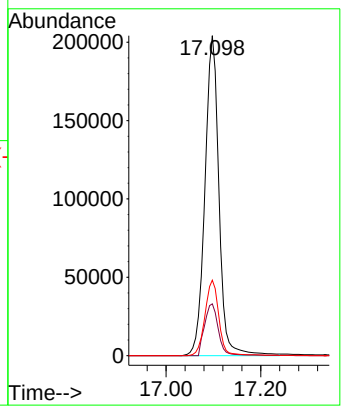


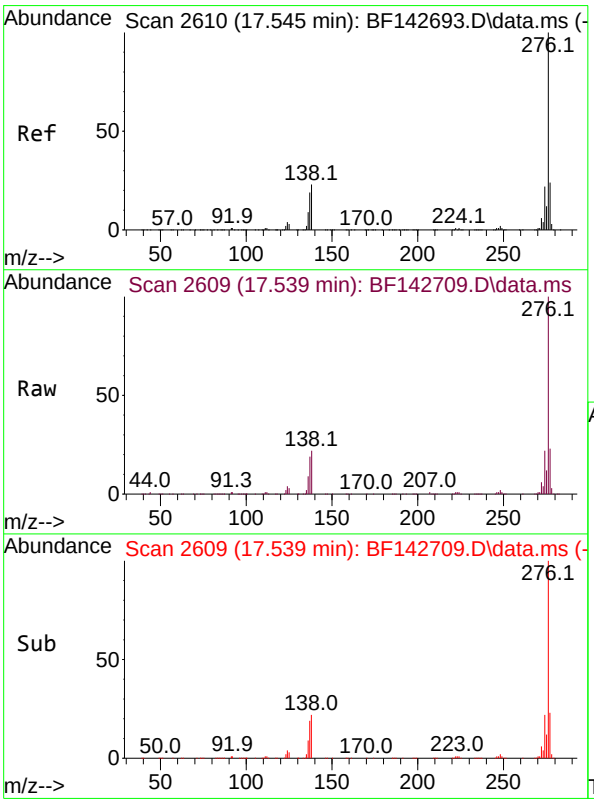
#91
Dibenzo(a,h)anthracene
Concen: 45.630 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 420883

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.4	20.0
279	23.6	18.7	28.1

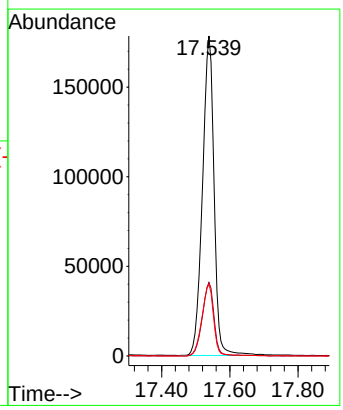




#92
Benzo(g,h,i)perylene
Concen: 44.151 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF142709.D
Acq: 10 Jun 2025 13:44

Tgt Ion:276 Resp: 421708

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	22.4	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	72	0.00
2		1,4-Dioxane	0.451	0.475	-5.3	76	-0.02
3		Pyridine	1.163	1.192	-2.5	74	-0.02
4		n-Nitrosodimethylamine	0.566	0.568	-0.4	74	-0.05
5	S	2-Fluorophenol	1.178	1.176	0.2	74	0.00
6		Aniline	1.855	1.875	-1.1	73	0.00
7	S	Phenol-d6	1.381	1.390	-0.7	72	-0.01
8		2-Chlorophenol	1.285	1.278	0.5	74	0.00
9		Benzaldehyde	0.779	0.829	-6.4	73	0.00
10	C	Phenol	1.547	1.562	-1.0	72	-0.01
11		bis(2-Chloroethyl)ether	1.127	1.127	0.0	73	0.00
12		1,3-Dichlorobenzene	1.439	1.441	-0.1	73	0.00
13	C	1,4-Dichlorobenzene	1.472	1.482	-0.7	74	0.00
14		1,2-Dichlorobenzene	1.403	1.414	-0.8	73	0.00
15		Benzyl Alcohol	1.010	1.042	-3.2	74	-0.01
16		2,2'-oxybis(1-Chloropropane	1.835	1.802	1.8	70	0.00
17		2-Methylphenol	0.985	0.992	-0.7	72	0.00
18		Hexachloroethane	0.506	0.518	-2.4	76	0.00
19	P	n-Nitroso-di-n-propylamine	0.810	0.845	-4.3	74	-0.02
20		3+4-Methylphenols	1.214	1.253	-3.2	74	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	74	0.00
22		Acetophenone	0.437	0.432	1.1	74	-0.01
23	S	Nitrobenzene-d5	0.364	0.362	0.5	76	0.00
24		Nitrobenzene	0.328	0.323	1.5	75	0.00
25		Isophorone	0.590	0.584	1.0	78	-0.01
26	C	2-Nitrophenol	0.181	0.184	-1.7	75	0.00
27		2,4-Dimethylphenol	0.308	0.307	0.3	76	-0.01
28		bis(2-Chloroethoxy)methane	0.370	0.369	0.3	74	0.00
29	C	2,4-Dichlorophenol	0.282	0.285	-1.1	73	0.00
30		1,2,4-Trichlorobenzene	0.307	0.311	-1.3	78	0.00
31		Naphthalene	0.986	0.968	1.8	74	0.00
32		Benzoic acid	0.187	0.184	1.6	74	-0.04
33		4-Chloroaniline	0.405	0.388	4.2	72	0.00
34	C	Hexachlorobutadiene	0.189	0.193	-2.1	79	0.00
35		Caprolactam	0.087	0.073	16.1	65	-0.03
36	C	4-Chloro-3-methylphenol	0.291	0.284	2.4	80	-0.01
37		2-Methylnaphthalene	0.620	0.605	2.4	80	0.00
38		1-Methylnaphthalene	0.642	0.627	2.3	79	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	74	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.572	1.0	79	0.00
41	P	Hexachlorocyclopentadiene	0.339	0.364	-7.4	82	0.00
42	S	2,4,6-Tribromophenol	0.225	0.209	7.1	71	0.00
43	C	2,4,6-Trichlorophenol	0.379	0.382	-0.8	77	0.00
44		2,4,5-Trichlorophenol	0.405	0.386	4.7	74	0.00
45	S	2-Fluorobiphenyl	1.462	1.453	0.6	79	0.00
46		1,1'-Biphenyl	1.555	1.526	1.9	75	0.00
47		2-Chloronaphthalene	1.165	1.129	3.1	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	0.347	0.322	7.2	69	-0.01
49		Acenaphthylene	1.931	1.886	2.3	74	0.00
50		Dimethylphthalate	1.346	1.259	6.5	72	-0.01
51		2,6-Dinitrotoluene	0.291	0.275	5.5	73	-0.01
52	C	Acenaphthene	1.181	1.160	1.8	74	0.00
53		3-Nitroaniline	0.327	0.294	10.1	68	-0.01
54	P	2,4-Dinitrophenol	0.161	0.157	2.5	72	0.00
55		Dibenzofuran	1.695	1.656	2.3	75	-0.01
56	P	4-Nitrophenol	0.225	0.202	10.2	66	-0.01
57		2,4-Dinitrotoluene	0.390	0.363	6.9	70	-0.01
58		Fluorene	1.355	1.273	6.1	73	0.00
59		2,3,4,6-Tetrachlorophenol	0.341	0.333	2.3	71	-0.01
60		Diethylphthalate	1.306	1.215	7.0	73	-0.01
61		4-Chlorophenyl-phenylether	0.640	0.621	3.0	75	0.00
62		4-Nitroaniline	0.310	0.258	16.8	62	-0.02
63		Azobenzene	1.170	1.101	5.9	75	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	76	0.00
65		4,6-Dinitro-2-methylphenol	0.128	0.124	3.1	65	-0.01
66	c	n-Nitrosodiphenylamine	0.646	0.676	-4.6	76	-0.01
67		4-Bromophenyl-phenylether	0.221	0.236	-6.8	78	0.00
68		Hexachlorobenzene	0.254	0.258	-1.6	74	0.00
69		Atrazine	0.196	0.179	8.7	65	-0.01
70	C	Pentachlorophenol	0.140	0.139	0.7	66	0.00
71		Phenanthrene	1.069	1.051	1.7	77	0.00
72		Anthracene	1.110	1.086	2.2	76	0.00
73		Carbazole	0.999	0.913	8.6	69	0.00
74		Di-n-butylphthalate	1.061	0.990	6.7	66	0.00
75	C	Fluoranthene	1.071	0.973	9.2	62	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	58	0.00
77		Benzidine	0.690	0.762	-10.4	61	0.00
78		Pyrene	1.630	1.723	-5.7	68	0.00
79	S	Terphenyl-d14	1.265	1.333	-5.4	70	0.00
80		Butylbenzylphthalate	0.502	0.564	-12.4	68	0.00
81		Benzo(a)anthracene	1.298	1.263	2.7	57	0.00
82		3,3'-Dichlorobenzidine	0.415	0.454	-9.4	62	0.00
83		Chrysene	1.229	1.229	0.0	59	-0.01
84		Bis(2-ethylhexyl)phthalate	0.573	0.885	-54.5#	85	0.00
85	c	Di-n-octyl phthalate	1.114	1.709	-53.4#	90	0.00
86	I	Perylene-d12	1.000	1.000	0.0	72	0.00
87		Indeno(1,2,3-cd)pyrene	1.415	1.598	-12.9	81	-0.02
88		Benzo(b)fluoranthene	1.195	1.191	0.3	76	-0.01
89		Benzo(k)fluoranthene	1.124	0.977	13.1	59	-0.01
90	C	Benzo(a)pyrene	1.120	1.099	1.9	72	-0.01
91		Dibenzo(a,h)anthracene	1.139	1.299	-14.0	83	-0.02
92		Benzo(g,h,i)perylene	1.179	1.302	-10.4	82	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	72	0.00
2		1,4-Dioxane	40.000	42.150	-5.4	76	-0.02
3		Pyridine	40.000	41.000	-2.5	74	-0.02
4		n-Nitrosodimethylamine	40.000	40.099	-0.2	74	-0.05
5	S	2-Fluorophenol	80.000	79.895	0.1	74	0.00
6		Aniline	40.000	40.447	-1.1	73	0.00
7	S	Phenol-d6	80.000	80.514	-0.6	72	-0.01
8		2-Chlorophenol	40.000	39.765	0.6	74	0.00
9		Benzaldehyde	40.000	42.583	-6.5	73	0.00
10	C	Phenol	40.000	40.403	-1.0	72	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.990	0.0	73	0.00
12		1,3-Dichlorobenzene	40.000	40.044	-0.1	73	0.00
13	C	1,4-Dichlorobenzene	40.000	40.290	-0.7	74	0.00
14		1,2-Dichlorobenzene	40.000	40.313	-0.8	73	0.00
15		Benzyl Alcohol	40.000	41.261	-3.2	74	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	39.283	1.8	70	0.00
17		2-Methylphenol	40.000	40.287	-0.7	72	0.00
18		Hexachloroethane	40.000	41.006	-2.5	76	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.720	-4.3	74	-0.02
20		3+4-Methylphenols	40.000	41.285	-3.2	74	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	74	0.00
22		Acetophenone	40.000	39.490	1.3	74	-0.01
23	S	Nitrobenzene-d5	80.000	79.578	0.5	76	0.00
24		Nitrobenzene	40.000	39.382	1.5	75	0.00
25		Isophorone	40.000	39.571	1.1	78	-0.01
26	C	2-Nitrophenol	40.000	40.745	-1.9	75	0.00
27		2,4-Dimethylphenol	40.000	39.871	0.3	76	-0.01
28		bis(2-Chloroethoxy)methane	40.000	39.897	0.3	74	0.00
29	C	2,4-Dichlorophenol	40.000	40.506	-1.3	73	0.00
30		1,2,4-Trichlorobenzene	40.000	40.445	-1.1	78	0.00
31		Naphthalene	40.000	39.303	1.7	74	0.00
32		Benzoic acid	40.000	39.468	1.3	74	-0.04
33		4-Chloroaniline	40.000	38.313	4.2	72	0.00
34	C	Hexachlorobutadiene	40.000	40.861	-2.2	79	0.00
35		Caprolactam	40.000	33.832	15.4	65	-0.03
36	C	4-Chloro-3-methylphenol	40.000	39.070	2.3	80	-0.01
37		2-Methylnaphthalene	40.000	39.031	2.4	80	0.00
38		1-Methylnaphthalene	40.000	39.032	2.4	79	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	74	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.571	1.1	79	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.889	-7.2	82	0.00
42	S	2,4,6-Tribromophenol	80.000	74.456	6.9	71	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.300	-0.7	77	0.00
44		2,4,5-Trichlorophenol	40.000	38.165	4.6	74	0.00
45	S	2-Fluorobiphenyl	80.000	79.492	0.6	79	0.00
46		1,1'-Biphenyl	40.000	39.258	1.9	75	0.00
47		2-Chloronaphthalene	40.000	38.766	3.1	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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	37.187	7.0	69	-0.01
49		Acenaphthylene	40.000	39.067	2.3	74	0.00
50		Dimethylphthalate	40.000	37.415	6.5	72	-0.01
51		2,6-Dinitrotoluene	40.000	37.750	5.6	73	-0.01
52	C	Acenaphthene	40.000	39.278	1.8	74	0.00
53		3-Nitroaniline	40.000	35.906	10.2	68	-0.01
54	P	2,4-Dinitrophenol	40.000	38.853	2.9	72	0.00
55		Dibenzofuran	40.000	39.092	2.3	75	-0.01
56	P	4-Nitrophenol	40.000	35.886	10.3	66	-0.01
57		2,4-Dinitrotoluene	40.000	37.164	7.1	70	-0.01
58		Fluorene	40.000	37.579	6.1	73	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.072	2.3	71	-0.01
60		Diethylphthalate	40.000	37.208	7.0	73	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.791	3.0	75	0.00
62		4-Nitroaniline	40.000	33.211	17.0	62	-0.02
63		Azobenzene	40.000	37.644	5.9	75	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	76	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.014	2.5	65	-0.01
66	c	n-Nitrosodiphenylamine	40.000	41.848	-4.6	76	-0.01
67		4-Bromophenyl-phenylether	40.000	42.713	-6.8	78	0.00
68		Hexachlorobenzene	40.000	40.626	-1.6	74	0.00
69		Atrazine	40.000	36.463	8.8	65	-0.01
70	C	Pentachlorophenol	40.000	39.873	0.3	66	0.00
71		Phenanthrene	40.000	39.301	1.7	77	0.00
72		Anthracene	40.000	39.152	2.1	76	0.00
73		Carbazole	40.000	36.534	8.7	69	0.00
74		Di-n-butylphthalate	40.000	37.337	6.7	66	0.00
75	C	Fluoranthene	40.000	36.334	9.2	62	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	58	0.00
77		Benzidine	40.000	44.148	-10.4	61	0.00
78		Pyrene	40.000	42.300	-5.7	68	0.00
79	S	Terphenyl-d14	80.000	84.314	-5.4	70	0.00
80		Butylbenzylphthalate	40.000	44.983	-12.5	68	0.00
81		Benzo(a)anthracene	40.000	38.935	2.7	57	0.00
82		3,3'-Dichlorobenzidine	40.000	43.734	-9.3	62	0.00
83		Chrysene	40.000	39.970	0.1	59	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	61.756	-54.4#	85	0.00
85	c	Di-n-octyl phthalate	40.000	61.358	-53.4#	90	0.00
86	I	Perylene-d12	20.000	20.000	0.0	72	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.192	-13.0	81	-0.02
88		Benzo(b)fluoranthene	40.000	39.883	0.3	76	-0.01
89		Benzo(k)fluoranthene	40.000	34.756	13.1	59	-0.01
90	C	Benzo(a)pyrene	40.000	39.261	1.8	72	-0.01
91		Dibenzo(a,h)anthracene	40.000	45.630	-14.1	83	-0.02
92		Benzo(g,h,i)perylene	40.000	44.151	-10.4	82	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142709.D
Acq On : 10 Jun 2025 13:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 10 14:12:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 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

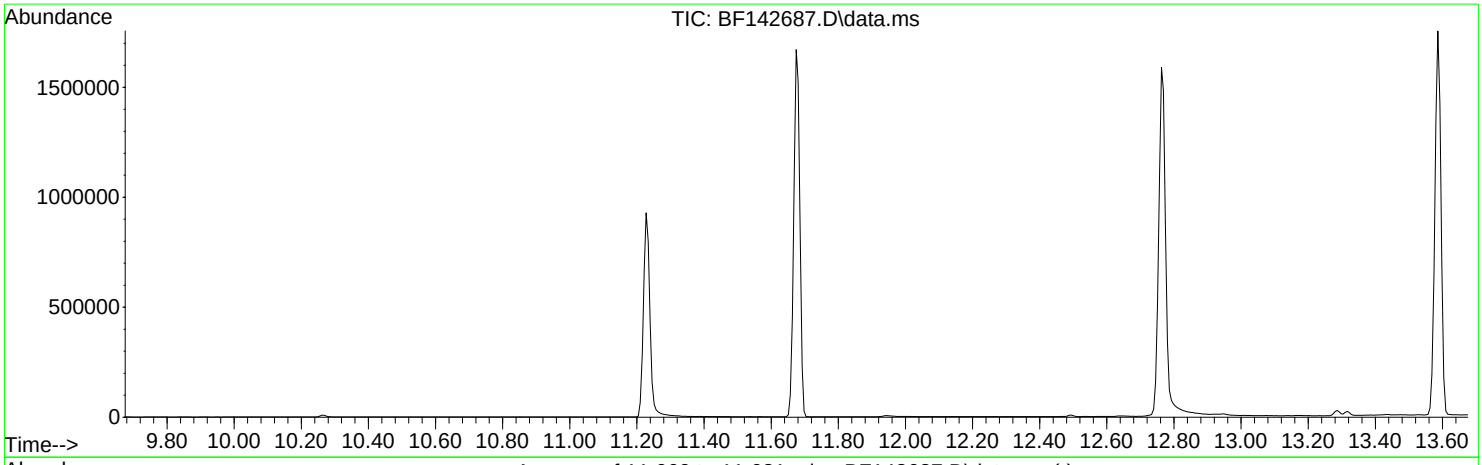
QC SAMPLE DATA

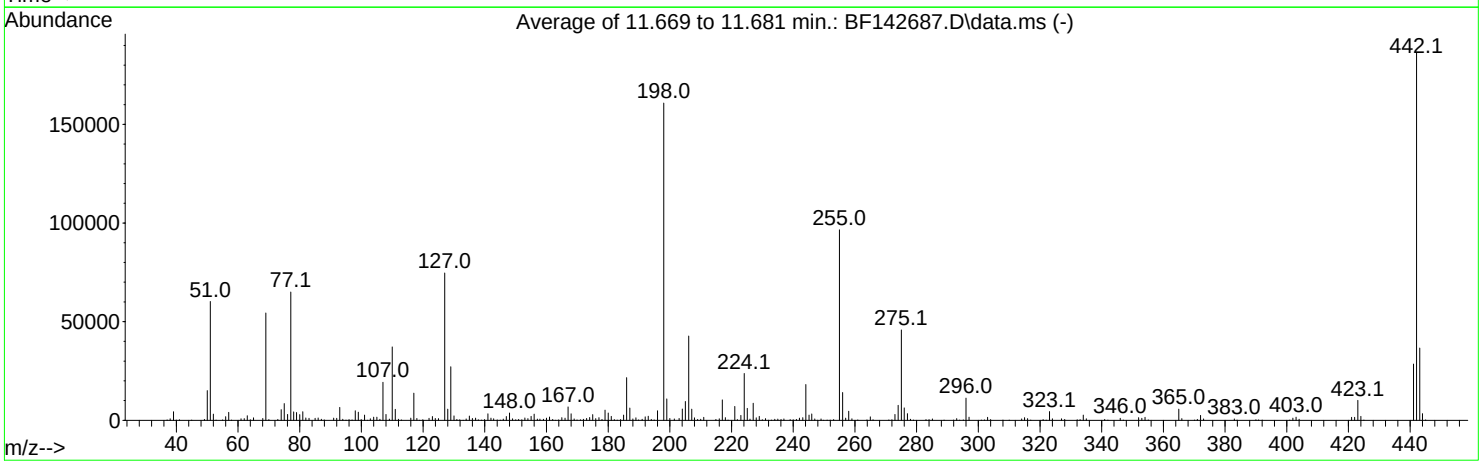
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142687.D
Acq On : 09 Jun 2025 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 09 18:21:22 2025





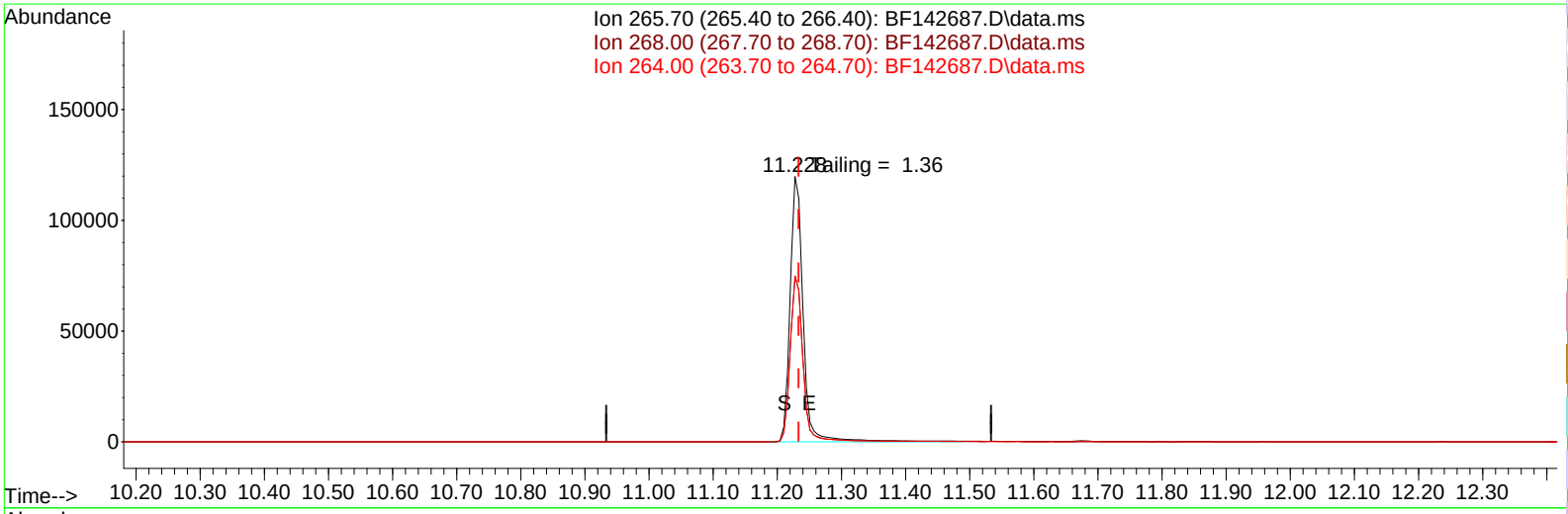
AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

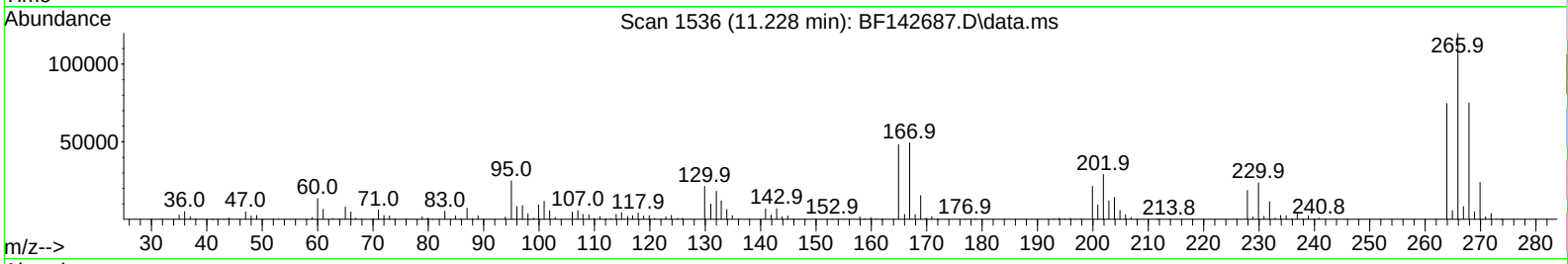
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.5	60256	PASS
68	69	0.00	2	1.7	923	PASS
69	198	0.00	100	33.8	54368	PASS
70	69	0.00	2	0.6	338	PASS
127	198	10	80	46.4	74659	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	160765	PASS
199	198	5	9	6.8	10868	PASS
275	198	10	60	28.5	45829	PASS
365	198	1	100	3.5	5649	PASS
441	198	0.01	100	17.7	28523	PASS
442	442	50	100	100.0	186464	PASS
443	442	15	24	19.6	36635	PASS

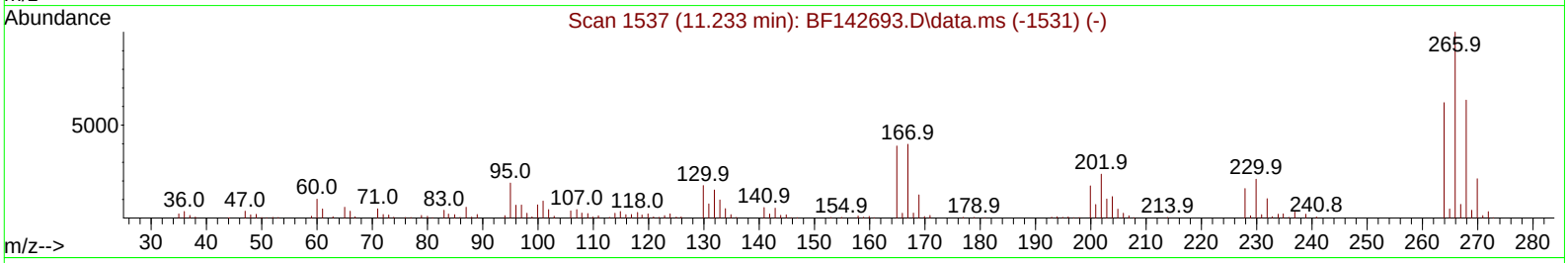
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142687.D
Acq On : 09 Jun 2025 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 09 18:43:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration







TIC: BF142687.D\data.ms

(70) Pentachlorophenol (C)

11.228min (-0.006) 26620.89 ng

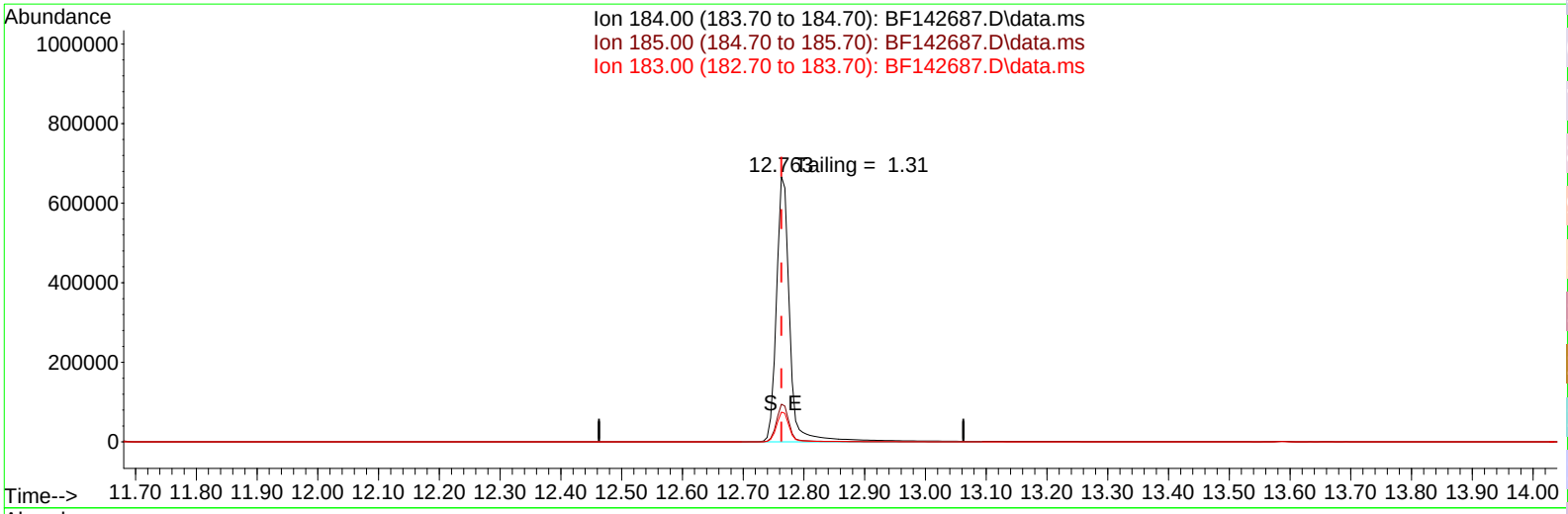
response 169012

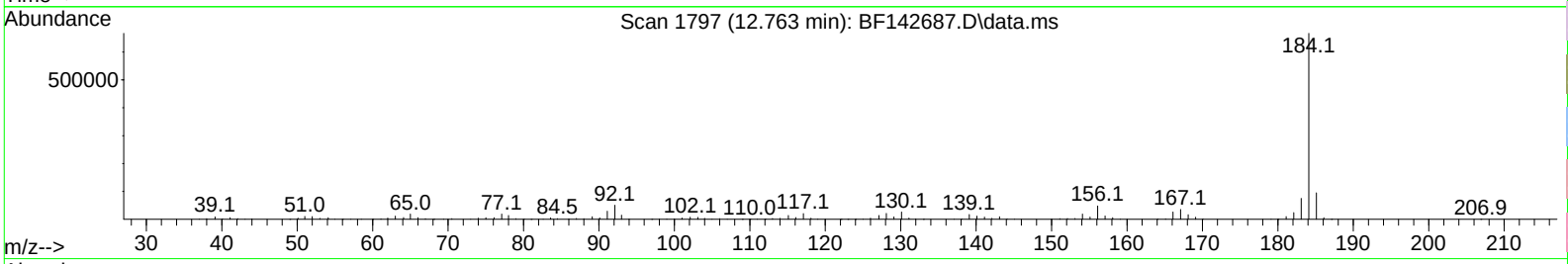
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	62.56
264.00	62.10	62.34
0.00	0.00	0.00

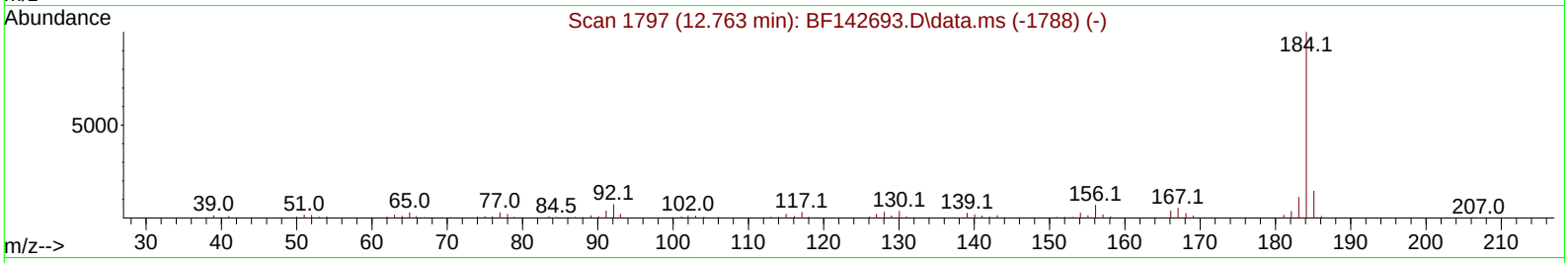
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142687.D
Acq On : 09 Jun 2025 09:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 09 18:43:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration







TIC: BF142687.D\data.ms

(77) Benzidine

12.763min (+ 0.000) 0.00 ng

response 1027528

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.21
183.00	11.10	11.23
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

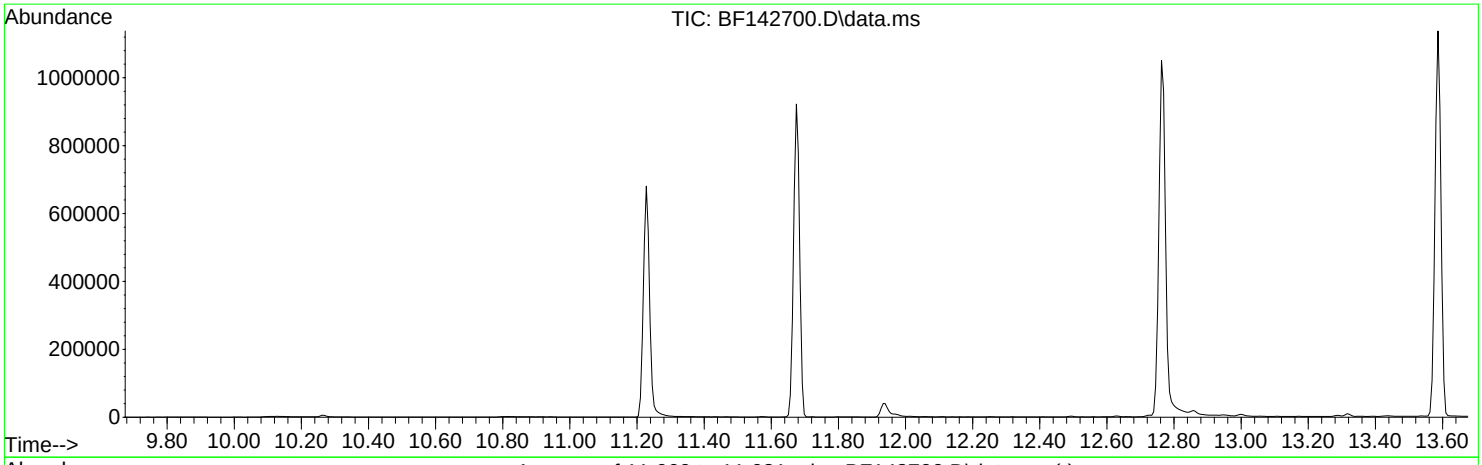
Date	Instrument Name	DFTPP Data File
6/9/2025	BNA_F	BF142687.D
Compound Name	**Response**	**Retention Time**
DDT	456536	13.586
DDD	12637	13.286
DDE	1322	12.951
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
13959	470495	2.97

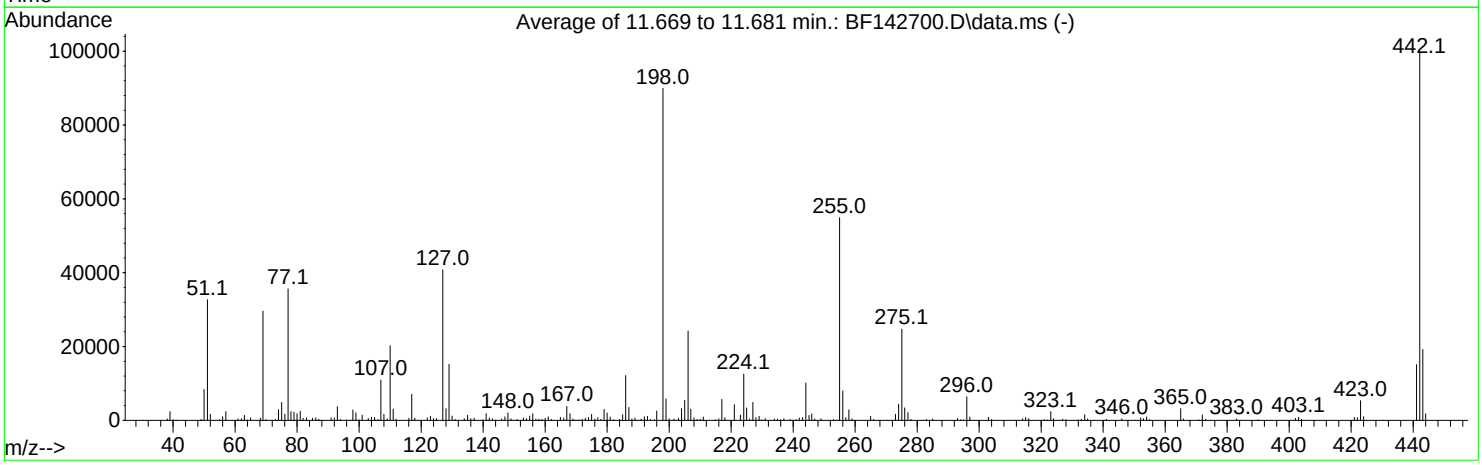
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142700.D
Acq On : 10 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 09 18:21:22 2025





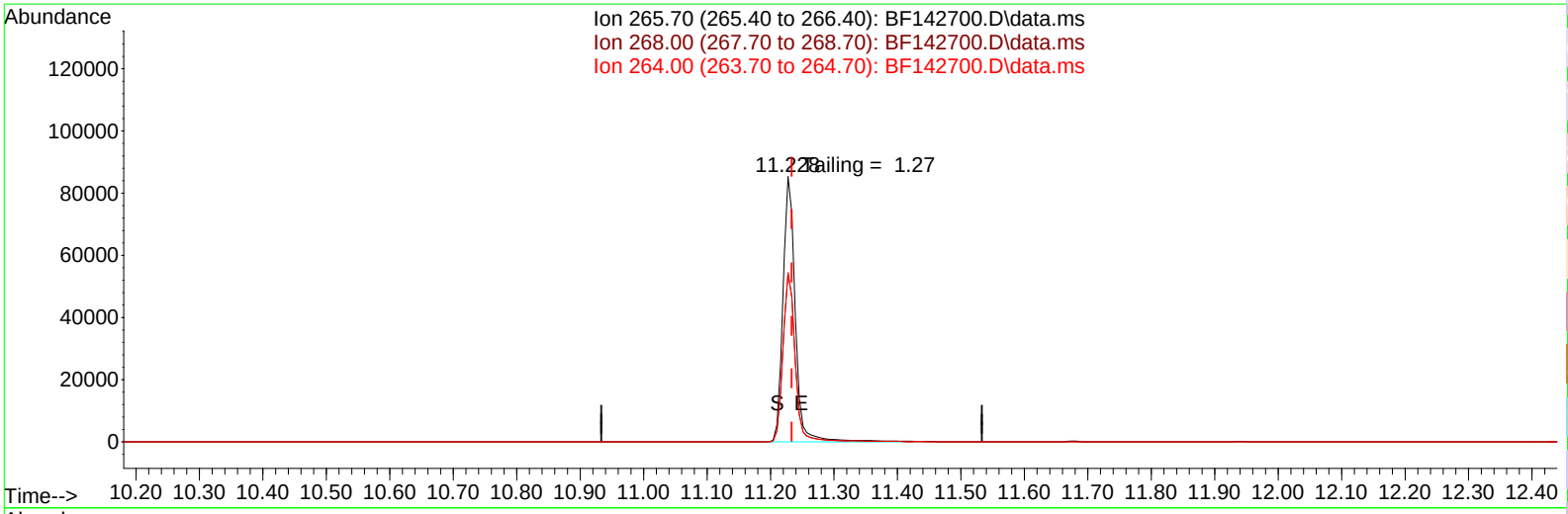
AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

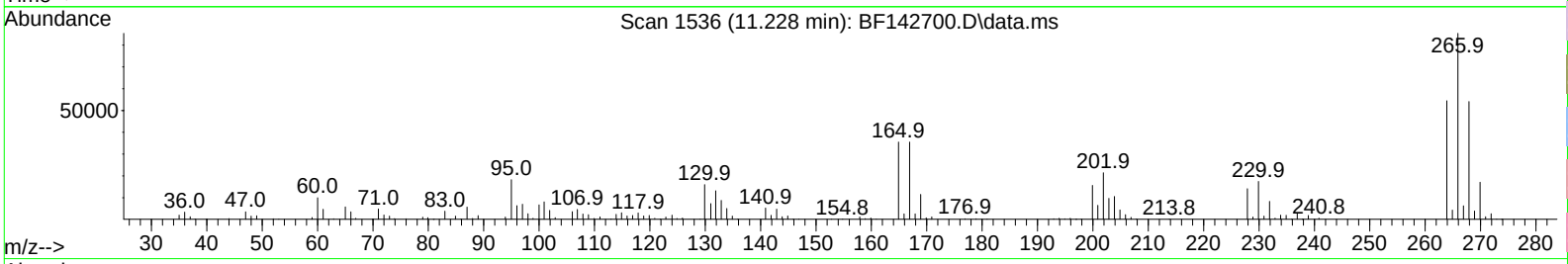
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.3	32669	PASS
68	69	0.00	2	1.9	566	PASS
69	198	0.00	100	32.9	29592	PASS
70	69	0.00	2	0.7	209	PASS
127	198	10	80	45.4	40784	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	89928	PASS
199	198	5	9	6.5	5809	PASS
275	198	10	60	27.5	24696	PASS
365	198	1	100	3.6	3225	PASS
441	198	0.01	100	16.8	15085	PASS
442	442	50	100	100.0	99645	PASS
443	442	15	24	19.3	19186	PASS

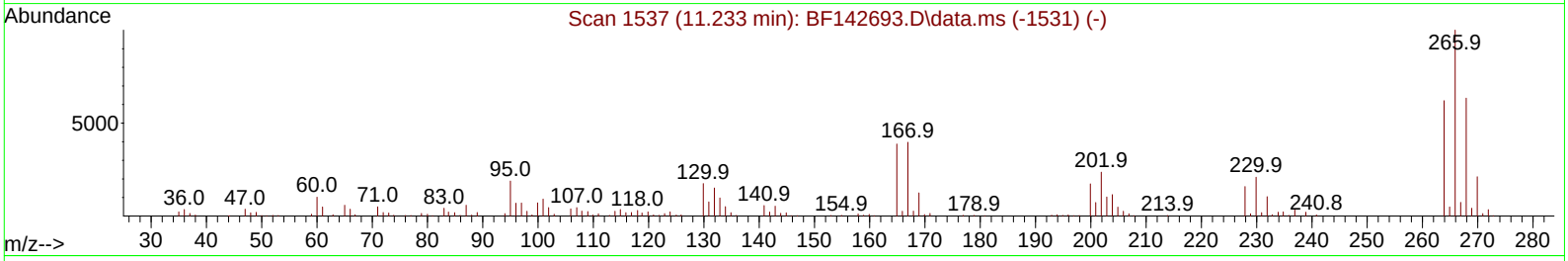
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142700.D
Acq On : 10 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 10 11:16:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration







TIC: BF142700.D\data.ms

(70) Pentachlorophenol (C)

11.228min (-0.006) 58811.37 ng

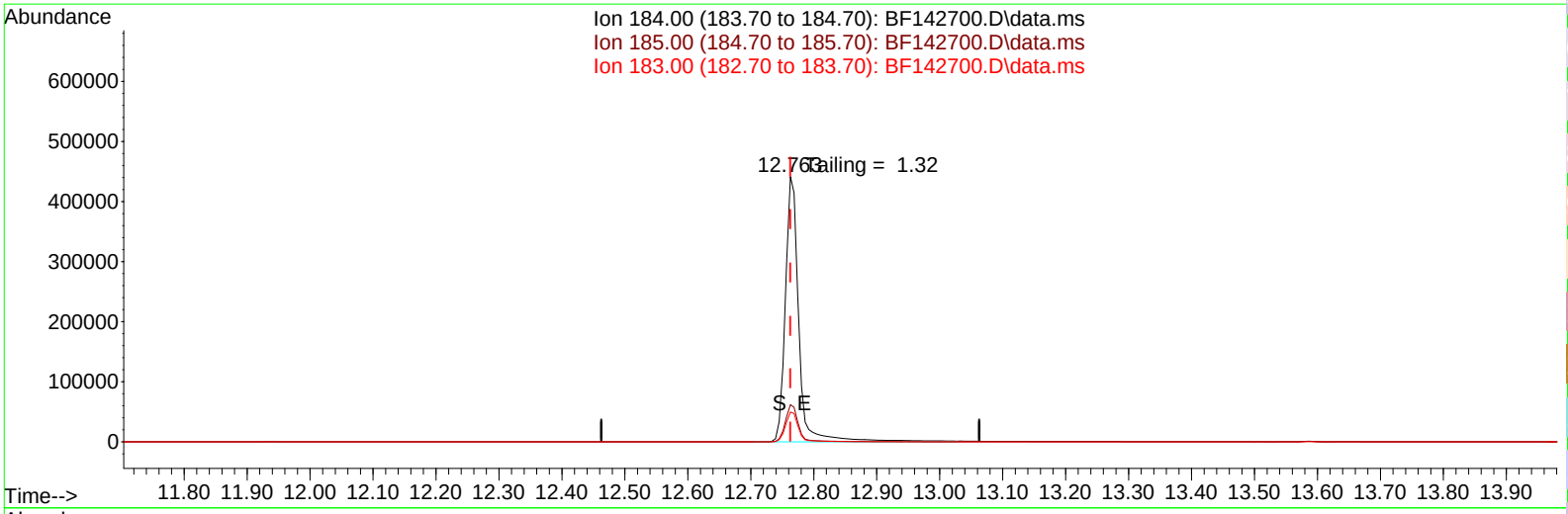
response 116657

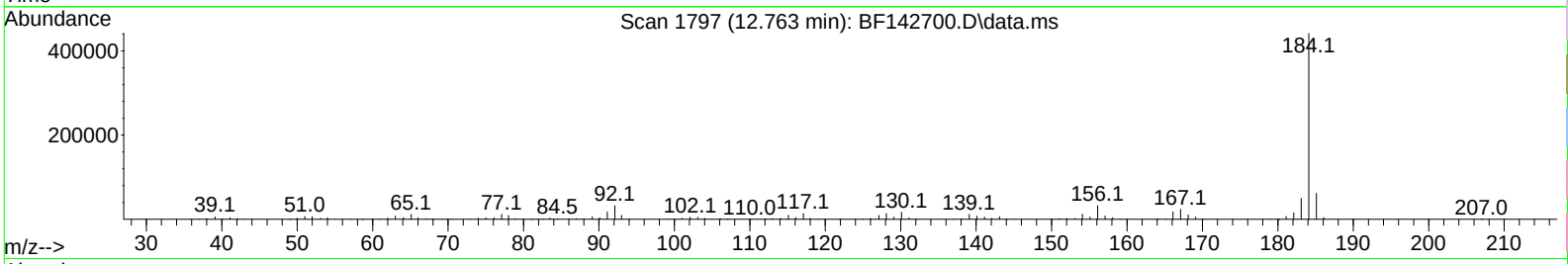
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	63.43
264.00	62.10	63.80
0.00	0.00	0.00

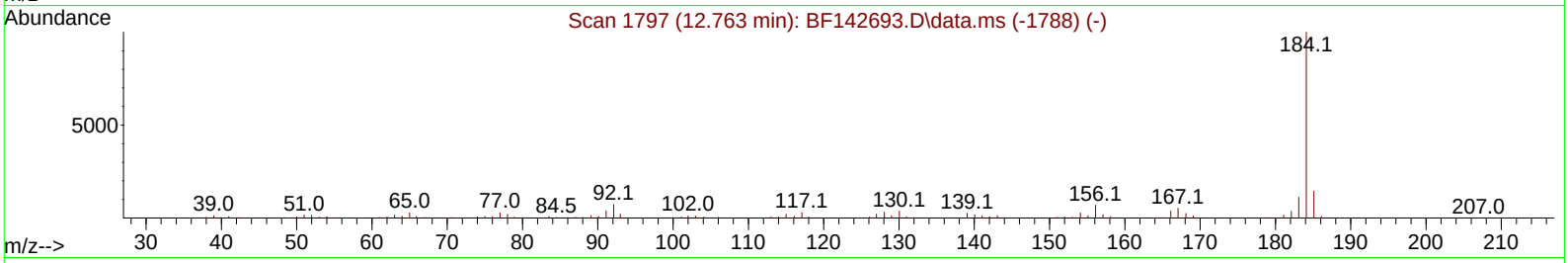
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142700.D
Acq On : 10 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 10 11:16:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration







TIC: BF142700.D\data.ms

(77) Benzidine

12.763min (+ 0.000) 44952.78 ng

response 659366

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.00
183.00	11.10	11.27
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/10/2025	BNA_F	BF142700.D
Compound Name	**Response**	**Retention Time**
DDT	292880	13.586
DDD	4351	13.316
DDE	963	12.951
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5314	298194	1.78

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168351BL			SDG No.:	Q2259
Lab Sample ID:	PB168351BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142702.D	1	06/09/25 09:40	06/10/25 10:08	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	80.5		37 - 122		81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.5		44 - 115		78%	SPK: 100
1718-51-0	Terphenyl-d14	72.4		54 - 127		72%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92100	6.892				
1146-65-2	Naphthalene-d8	356000	8.175				
15067-26-2	Acenaphthene-d10	196000	9.933				
1517-22-2	Phenanthrene-d10	352000	11.422				
1719-03-5	Chrysene-d12	279000	14.068				
1520-96-3	Perylene-d12	203000	15.562				

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168351BL			SDG No.:	Q2259
Lab Sample ID:	PB168351BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142702.D	1	06/09/25 09:40	06/10/25 10:08	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142702.D
Acq On : 10 Jun 2025 10:08
Operator : RC/JU
Sample : PB168351BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Quant Time: Jun 10 11:03:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

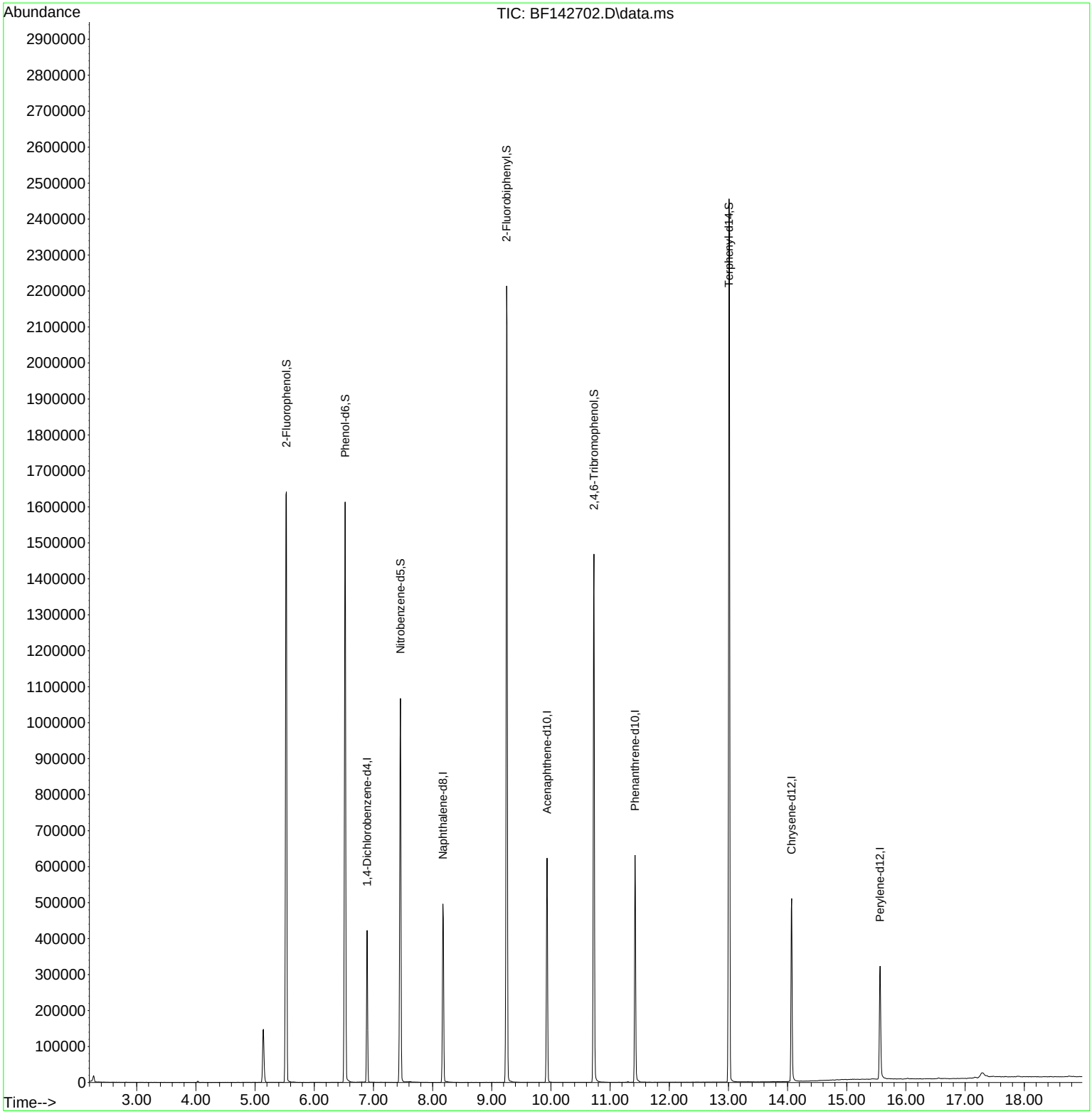
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	92057	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	355567	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	195730	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	351690	20.000	ng	0.00
76) Chrysene-d12	14.068	240	279030	20.000	ng	0.00
86) Perylene-d12	15.562	264	202587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	694414	128.082	ng	0.01
7) Phenol-d6	6.522	99	835164	131.356	ng	-0.01
23) Nitrobenzene-d5	7.457	82	520830	80.500	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	276598	125.781	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1122973	78.462	ng	-0.01
79) Terphenyl-d14	13.010	244	1276632	72.359	ng	0.00
Target Compounds						Qvalue

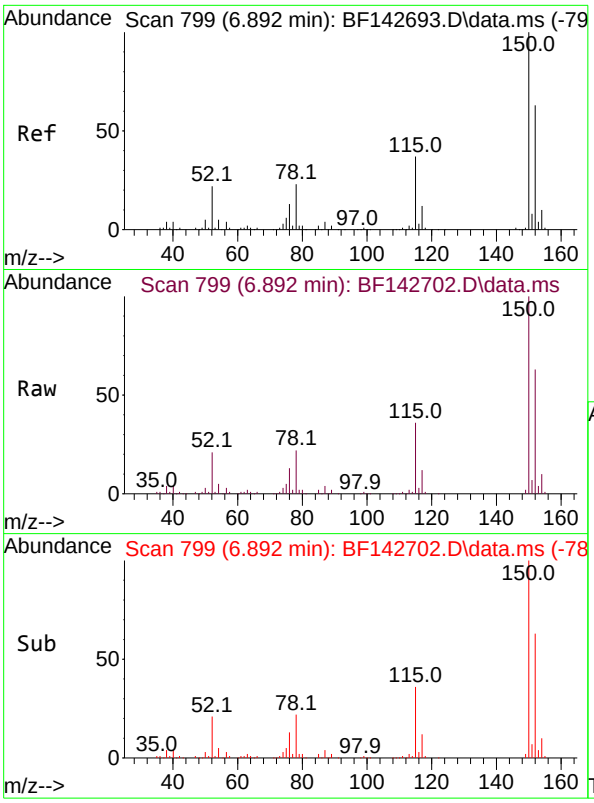
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142702.D
Acq On : 10 Jun 2025 10:08
Operator : RC/JU
Sample : PB168351BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Quant Time: Jun 10 11:03:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



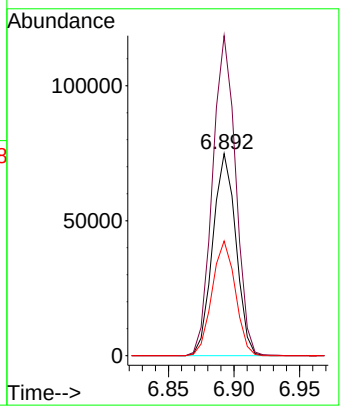


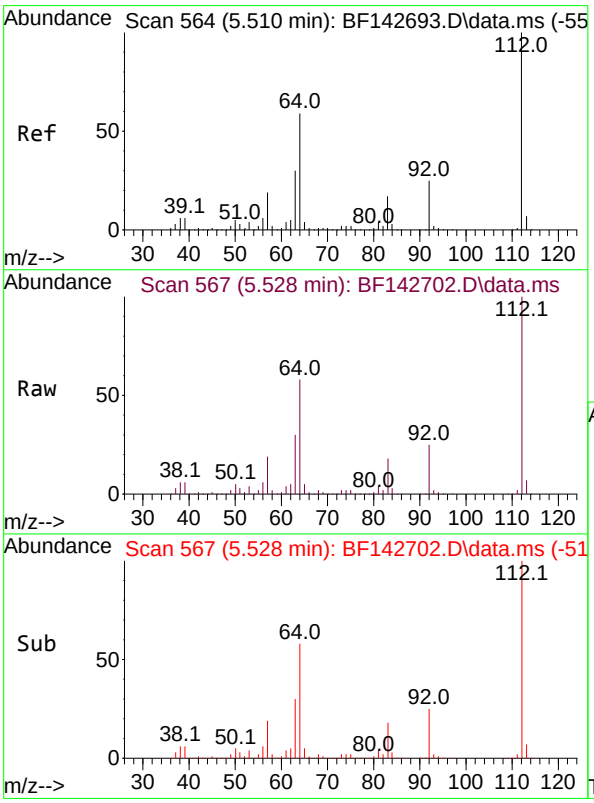
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Tgt Ion:152 Resp: 92057

Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.8	190.2
115	56.8	46.8	70.2

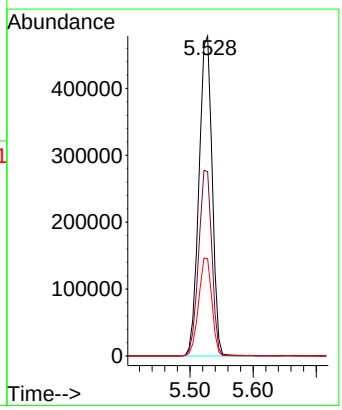


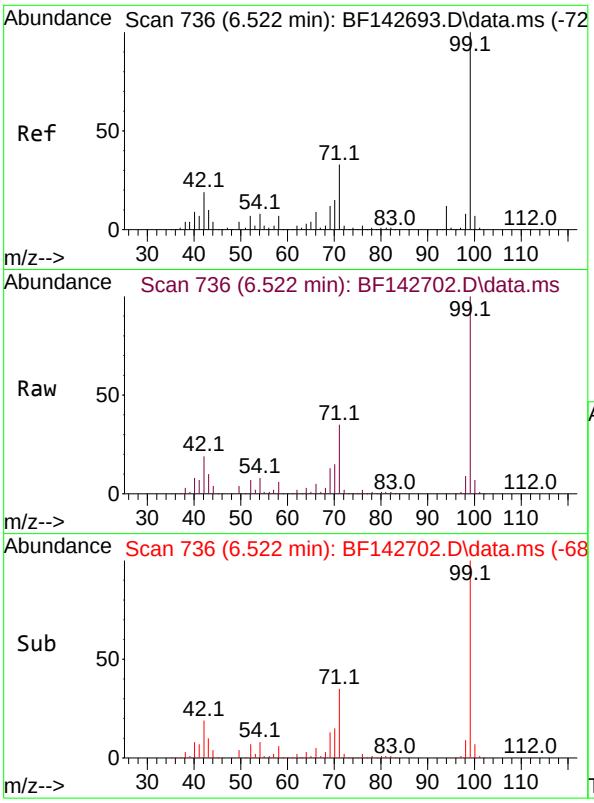


#5
2-Fluorophenol
Concen: 128.082 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Tgt Ion:112 Resp: 694414

Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.9	70.3
63	30.4	24.3	36.5



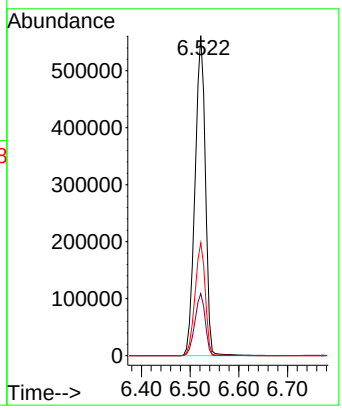


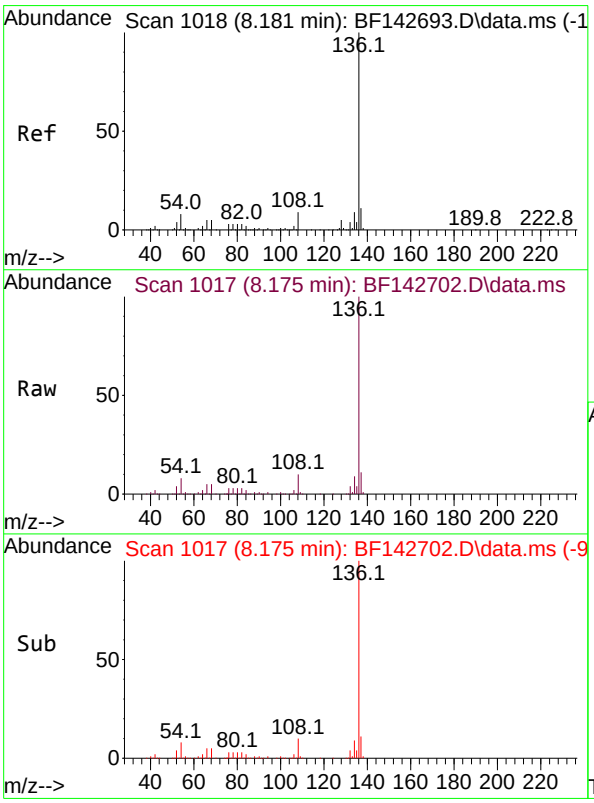
#7
Phenol-d6
Concen: 131.356 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Tgt Ion: 99 Resp: 835164

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.3	22.9
71	35.3	26.3	39.5

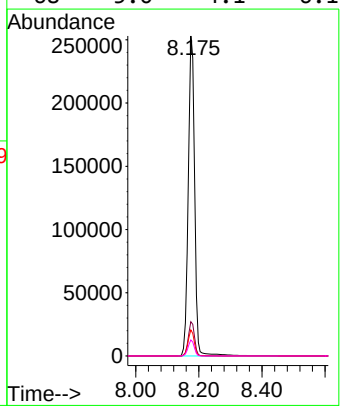


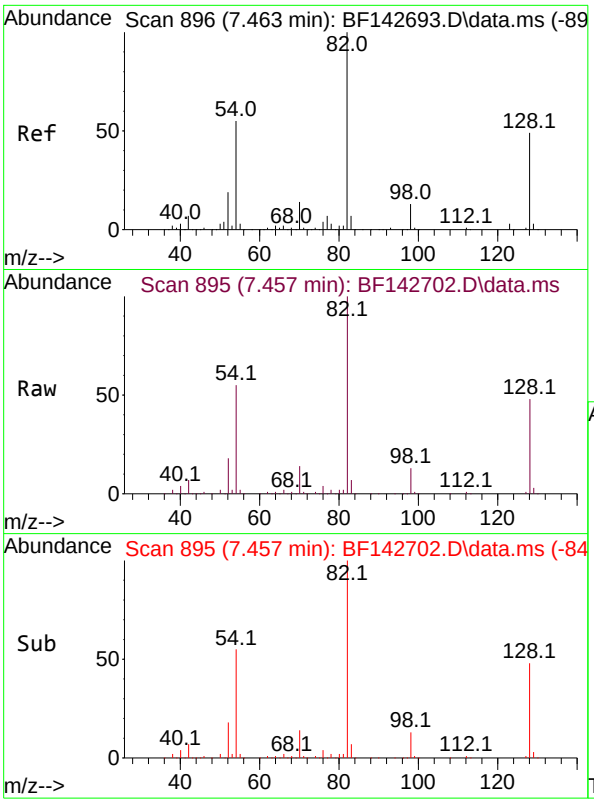


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Tgt Ion:136 Resp: 355567

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.1	6.4	9.6
68	5.0	4.1	6.1



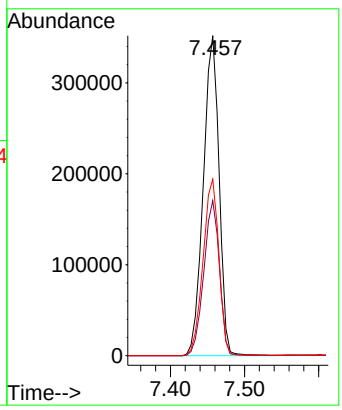


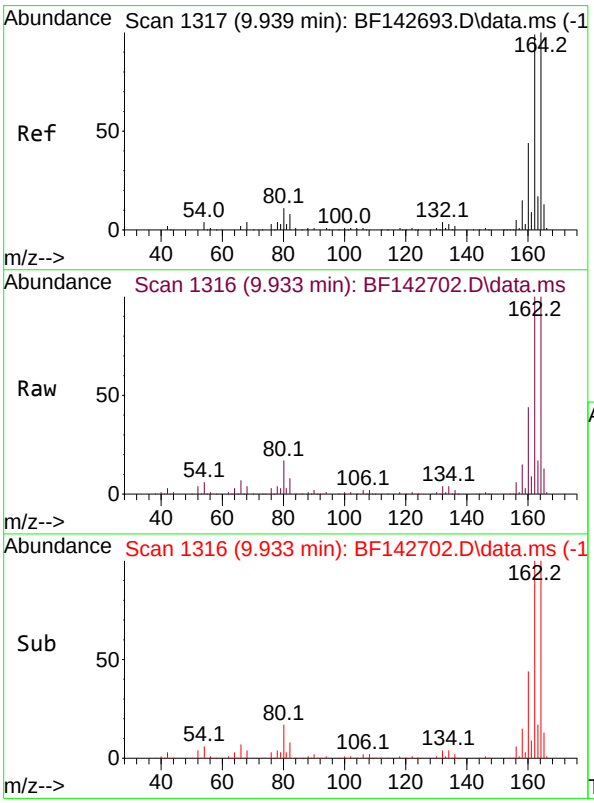
#23
Nitrobenzene-d5
Concen: 80.500 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Tgt Ion: 82 Resp: 520830

Ion	Ratio	Lower	Upper
82	100		
128	48.5	39.3	58.9
54	55.1	44.2	66.2

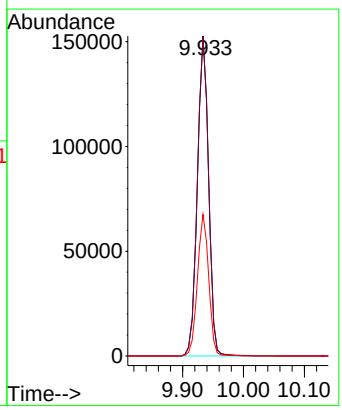


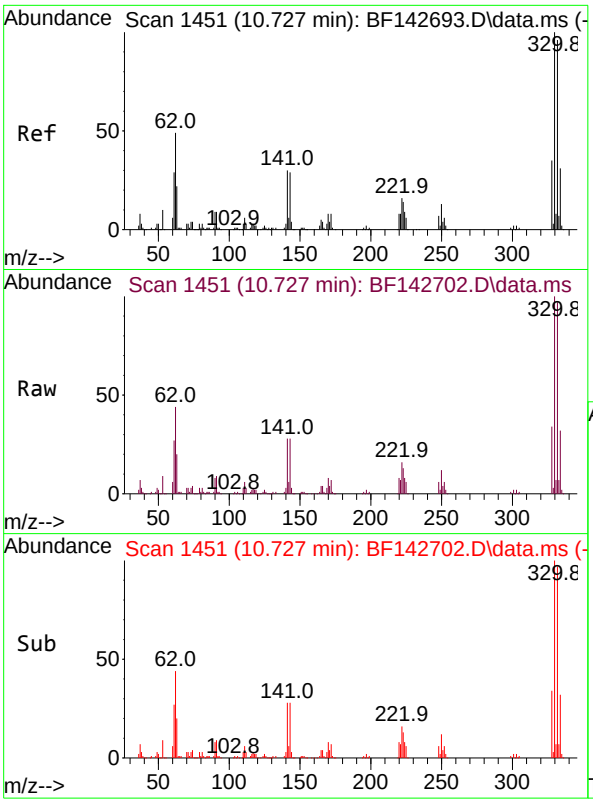


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Tgt Ion:164 Resp: 195730

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.1	118.7
160	44.2	35.4	53.0



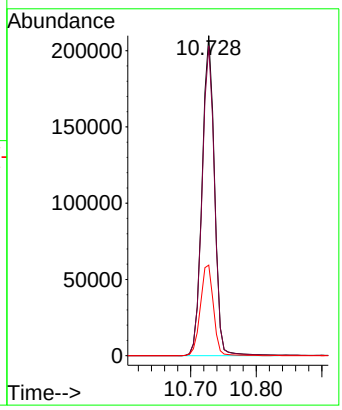


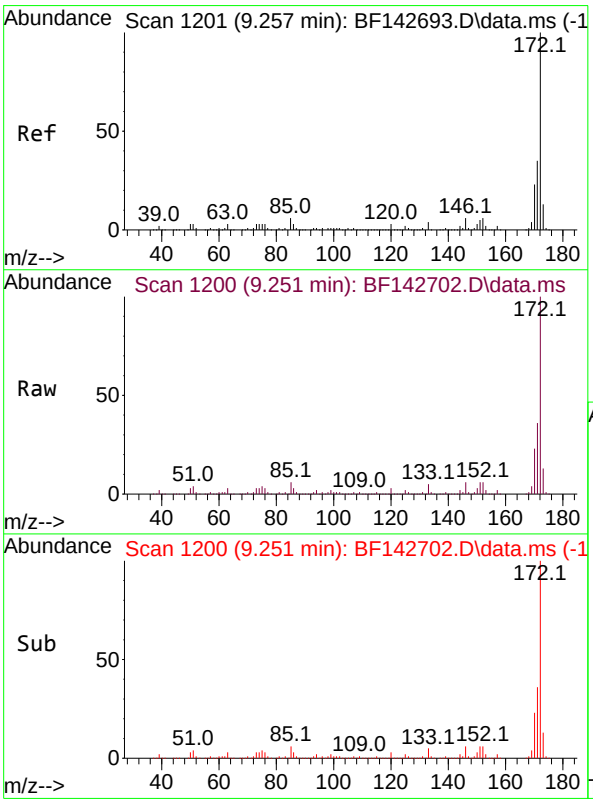
#42
2,4,6-Tribromophenol
Concen: 125.781 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Tgt Ion:330 Resp: 276598

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.1	115.7
141	29.8	23.5	35.3

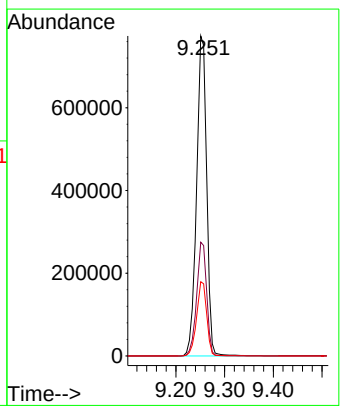


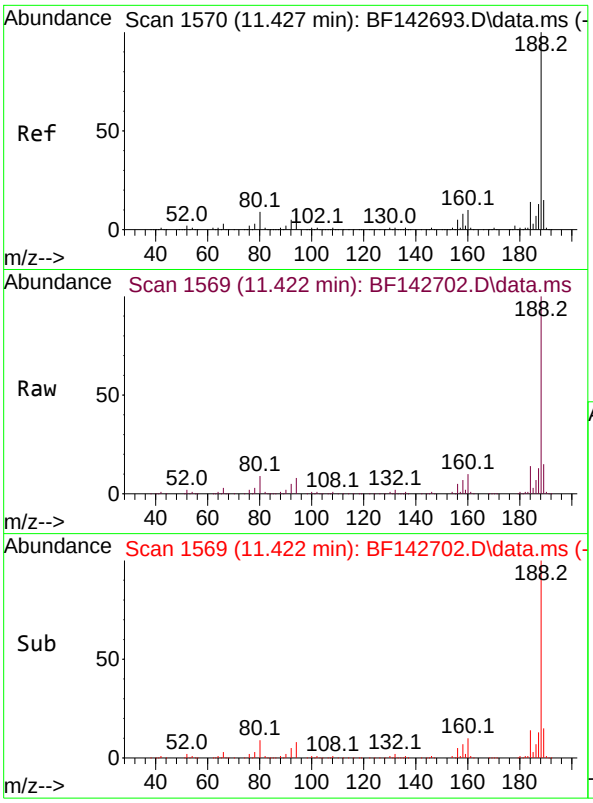


#45
2-Fluorobiphenyl
Concen: 78.462 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Tgt Ion:172 Resp: 1122973

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.2	18.7	28.1



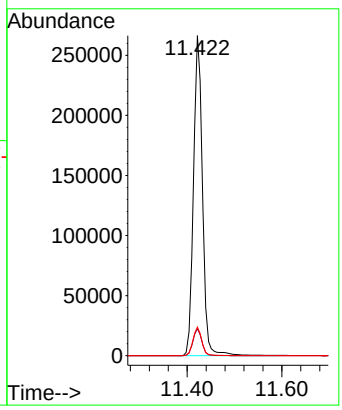


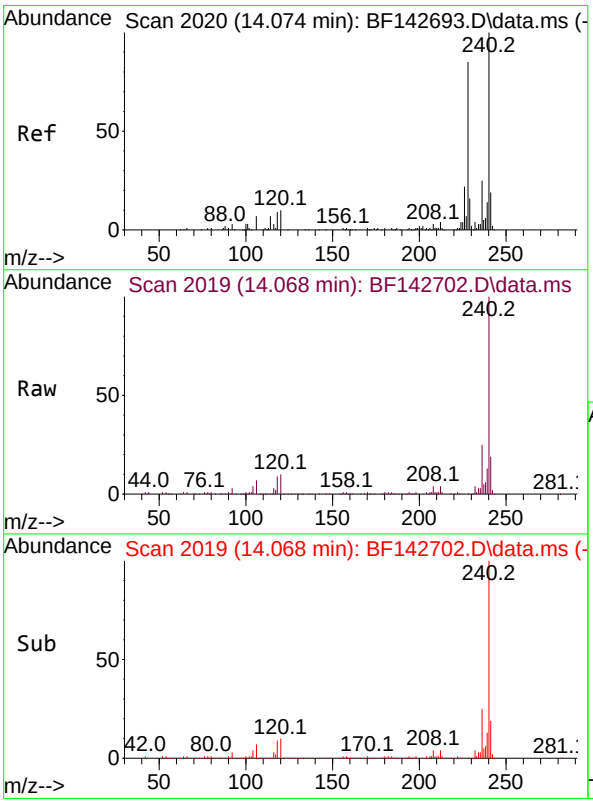
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Tgt Ion:188 Resp: 351690

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.0	10.4
80	8.9	7.2	10.8

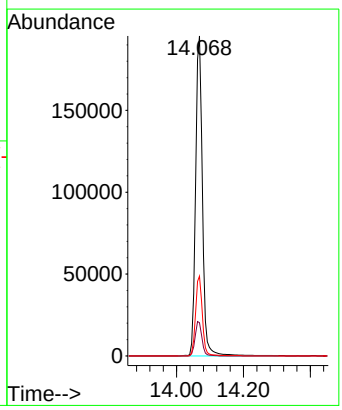


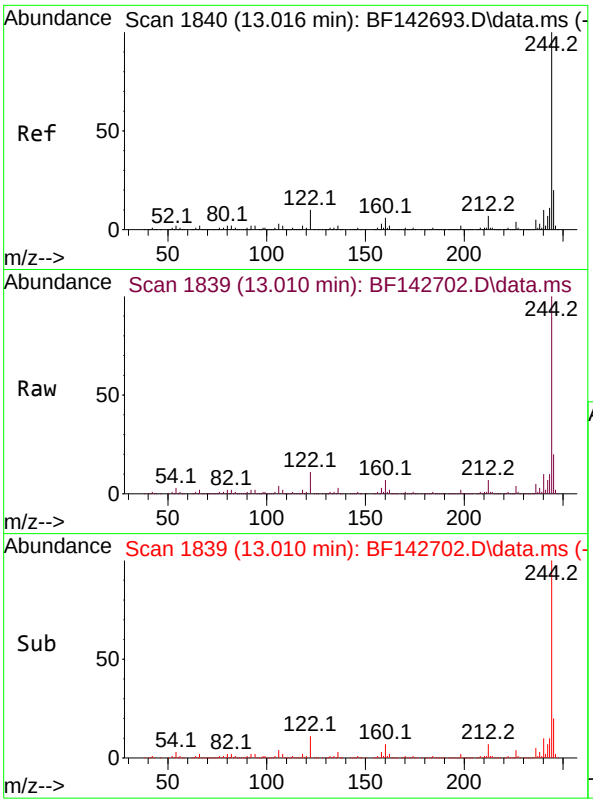


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Tgt Ion:240 Resp: 279030

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	24.9	20.2	30.2



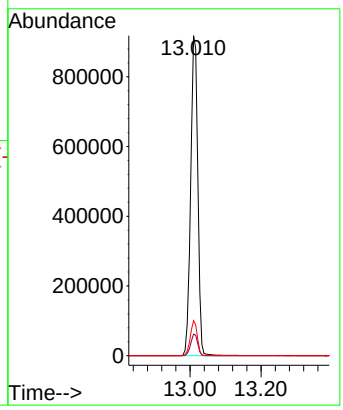


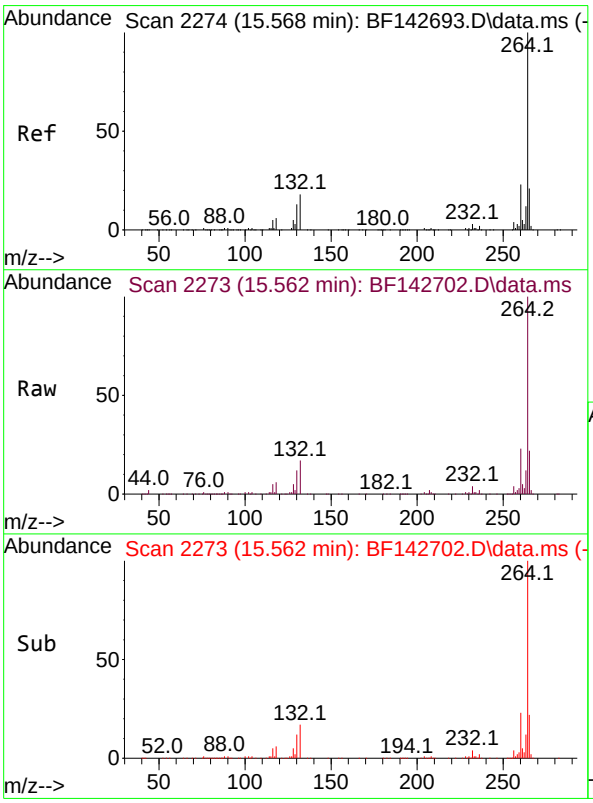
#79
Terphenyl-d14
Concen: 72.359 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Tgt Ion:244 Resp: 1276632

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	11.0	8.2	12.2

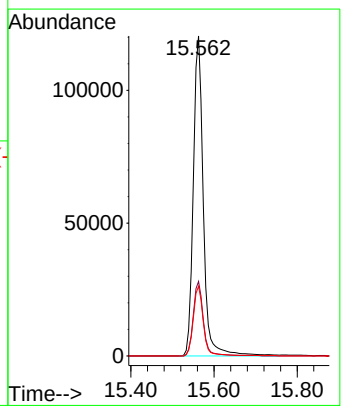




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142702.D
Acq: 10 Jun 2025 10:08

Tgt Ion:264 Resp: 202587

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.8	17.0	25.4



LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142702.D
Acq On : 10 Jun 2025 10:08
Operator : RC/JU
Sample : PB168351BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142702.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.140	494	501	511	rBV	146763	254148	7.58%	1.329%
2	5.528	560	567	572	rBV	1641624	2384490	71.10%	12.473%
3	6.522	729	736	741	rBV	1613249	2376229	70.85%	12.430%
4	6.892	794	799	804	rBV	421756	516205	15.39%	2.700%
5	7.457	887	895	900	rBV	1067623	1570140	46.82%	8.213%
6	8.175	1011	1017	1025	rBV	496092	673403	20.08%	3.522%
7	9.251	1193	1200	1226	rBV	2213927	3156836	94.12%	16.513%
8	9.933	1310	1316	1332	rBV	623589	796221	23.74%	4.165%
9	10.728	1444	1451	1466	rBV	1468270	1990326	59.34%	10.411%
10	11.422	1564	1569	1591	rBV	631090	820019	24.45%	4.289%
11	13.010	1833	1839	1845	rBV	2455000	3353895	100.00%	17.544%
12	14.068	2013	2019	2039	rBV	507940	707912	21.11%	3.703%
13	15.562	2266	2273	2293	rBV	314072	517721	15.44%	2.708%

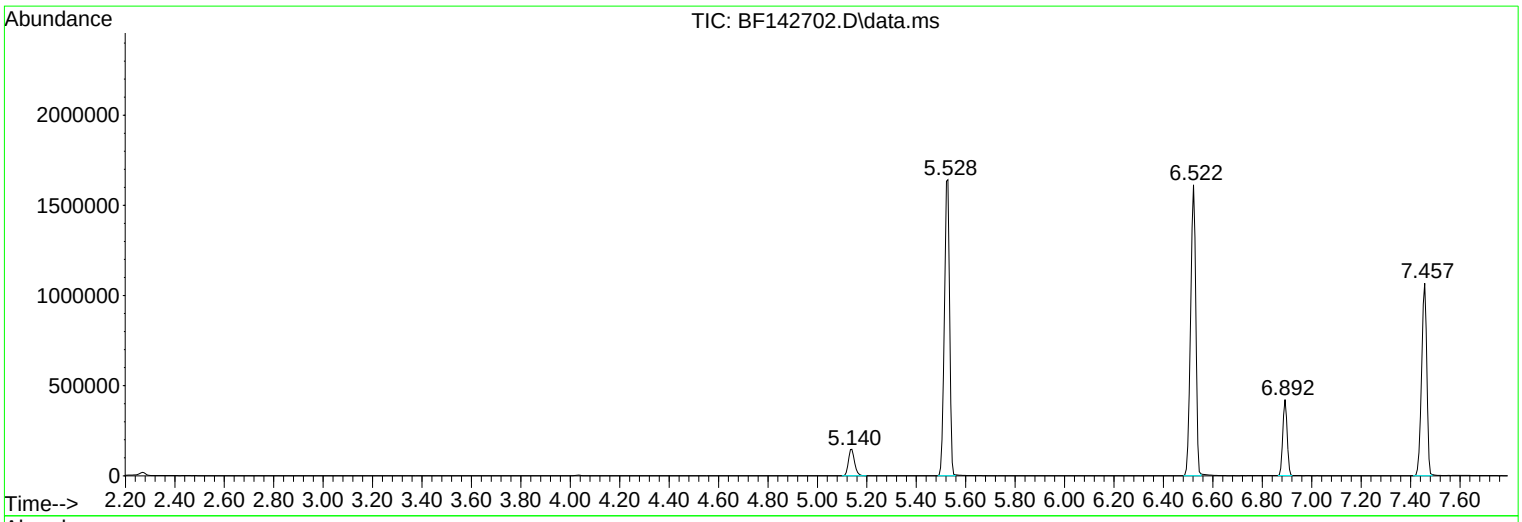
Sum of corrected areas: 19117545

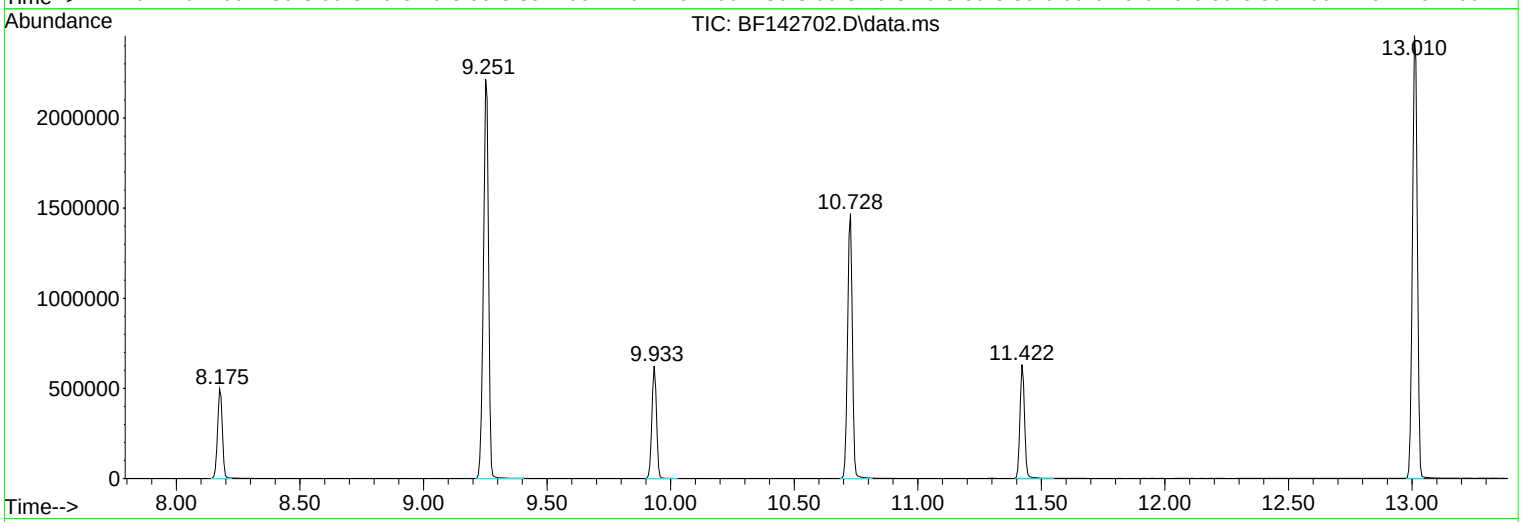
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142702.D
Acq On : 10 Jun 2025 10:08
Operator : RC/JU
Sample : PB168351BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

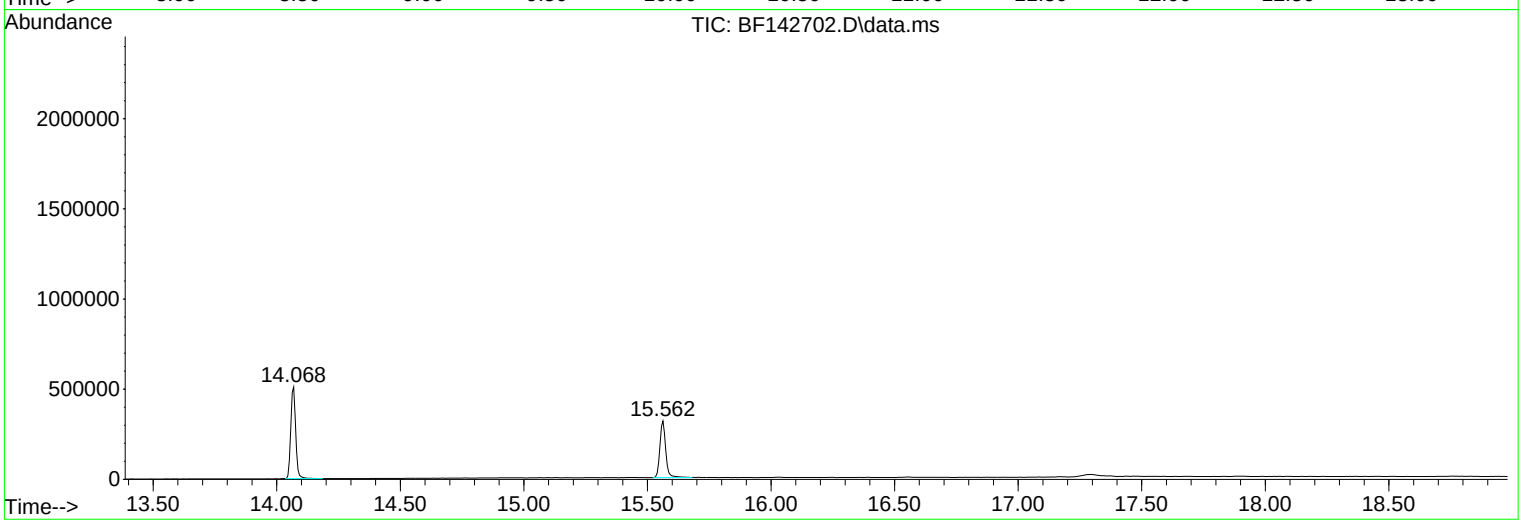
Instrument :
BNA_F
ClientSampleId :
PB168351BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142702.D
Acq On : 10 Jun 2025 10:08
Operator : RC/JU
Sample : PB168351BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142702.D
Acq On : 10 Jun 2025 10:08
Operator : RC/JU
Sample : PB168351BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168351BS			SDG No.:	Q2259
Lab Sample ID:	PB168351BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142703.D	1	06/09/25 09:40	06/10/25 10:37	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.60		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.70		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.60		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.70		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.50		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.60		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.60		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.70		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.80		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.70		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.60		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.10		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.00		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.10		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.10		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	2.10		0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	81.6		37 - 122		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		44 - 115		78%	SPK: 100
1718-51-0	Terphenyl-d14	90.8		54 - 127		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88000	6.893				
1146-65-2	Naphthalene-d8	355000	8.181				
15067-26-2	Acenaphthene-d10	235000	9.939				
1517-22-2	Phenanthrene-d10	362000	11.428				
1719-03-5	Chrysene-d12	224000	14.069				
1520-96-3	Perylene-d12	176000	15.563				

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168351BS			SDG No.:	Q2259
Lab Sample ID:	PB168351BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142703.D	1	06/09/25 09:40	06/10/25 10:37	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142703.D
Acq On : 10 Jun 2025 10:37
Operator : RC/JU
Sample : PB168351BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 11:44:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	87982	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	355357	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	234579	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	361738	20.000	ng		0.00
76) Chrysene-d12	14.069	240	224252	20.000	ng		0.00
86) Perylene-d12	15.563	264	175871	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	676033	130.467	ng		0.01
7) Phenol-d6	6.528	99	835368	137.473	ng		0.00
23) Nitrobenzene-d5	7.463	82	527705	81.611	ng		0.00
42) 2,4,6-Tribromophenol	10.734	330	323021	122.564	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1342901	78.290	ng		0.00
79) Terphenyl-d14	13.010	244	1287648	90.810	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.775	88	87340	44.017	ng		99
3) Pyridine	3.528	79	228082	44.569	ng		99
4) n-Nitrosodimethylamine	3.487	42	121943	48.958	ng		97
6) Aniline	6.557	93	281030	34.447	ng		95
8) 2-Chlorophenol	6.681	128	280377	49.595	ng		99
9) Benzaldehyde	6.446	77	138592	40.457	ng		99
10) Phenol	6.540	94	329818	48.470	ng		98
11) bis(2-Chloroethyl)ether	6.628	93	246646	49.755	ng		99
12) 1,3-Dichlorobenzene	6.834	146	303713	47.970	ng		98
13) 1,4-Dichlorobenzene	6.910	146	304840	47.090	ng		98
14) 1,2-Dichlorobenzene	7.063	146	295932	47.944	ng		98
15) Benzyl Alcohol	7.034	79	225996	50.843	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	381914	47.312	ng		97
17) 2-Methylphenol	7.151	107	218778	50.468	ng		96
18) Hexachloroethane	7.404	117	109093	49.052	ng		96
19) n-Nitroso-di-n-propyla...	7.310	70	181530	50.962	ng		100
20) 3+4-Methylphenols	7.304	107	268521	50.296	ng	#	89
22) Acetophenone	7.304	105	362815	46.706	ng		100
24) Nitrobenzene	7.481	77	271715	46.595	ng		100
25) Isophorone	7.716	82	502522	47.902	ng		100
26) 2-Nitrophenol	7.793	139	156091	48.526	ng		96
27) 2,4-Dimethylphenol	7.834	122	263805	48.256	ng		98
28) bis(2-Chloroethoxy)met...	7.928	93	313108	47.586	ng		99
29) 2,4-Dichlorophenol	8.040	162	243384	48.597	ng		100
30) 1,2,4-Trichlorobenzene	8.122	180	259339	47.473	ng		99
31) Naphthalene	8.204	128	835495	47.713	ng		99
32) Benzoic acid	7.957	122	162235	48.937	ng		99
33) 4-Chloroaniline	8.245	127	146610	20.365	ng		99
34) Hexachlorobutadiene	8.316	225	164295	48.832	ng		98
35) Caprolactam	8.622	113	85334m	55.474	ng		
36) 4-Chloro-3-methylphenol	8.734	107	265547	51.403	ng		98
37) 2-Methylnaphthalene	8.892	142	552683	50.160	ng		99
38) 1-Methylnaphthalene	8.992	142	575999	50.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	284698	41.996	ng		99
41) Hexachlorocyclopentadiene	9.045	237	368013	92.441	ng		99
43) 2,4,6-Trichlorophenol	9.175	196	202651	45.558	ng		99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142703.D
Acq On : 10 Jun 2025 10:37
Operator : RC/JU
Sample : PB168351BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 11:44:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	216883	45.649	ng	99
46) 1,1'-Biphenyl	9.357	154	842922	46.211	ng	100
47) 2-Chloronaphthalene	9.387	162	628659	45.997	ng	100
48) 2-Nitroaniline	9.481	65	190828	46.920	ng	100
49) Acenaphthylene	9.798	152	1066877	47.099	ng	100
50) Dimethylphthalate	9.657	163	755695	47.881	ng	100
51) 2,6-Dinitrotoluene	9.722	165	168310	49.298	ng	100
52) Acenaphthene	9.975	154	710194	51.253	ng	100
53) 3-Nitroaniline	9.887	138	104535	27.249	ng	99
54) 2,4-Dinitrophenol	10.004	184	208671	110.393	ng	97
55) Dibenzofuran	10.145	168	936093	47.089	ng	100
56) 4-Nitrophenol	10.057	139	293333	111.243	ng	94
57) 2,4-Dinitrotoluene	10.128	165	234351	51.208	ng	99
58) Fluorene	10.486	166	698219	43.943	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	199035	49.784	ng	100
60) Diethylphthalate	10.357	149	731481	47.740	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	351812	46.831	ng	99
62) 4-Nitroaniline	10.510	138	162018	44.521	ng	98
63) Azobenzene	10.639	77	585420	42.653	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	120572	52.260	ng	98
66) n-Nitrosodiphenylamine	10.598	169	585501	50.131	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	198868	49.738	ng	98
68) Hexachlorobenzene	11.039	284	227017	49.413	ng	98
69) Atrazine	11.122	200	186305	52.600	ng	99
70) Pentachlorophenol	11.233	266	260373	103.055	ng	99
71) Phenanthrene	11.451	178	926763	47.923	ng	100
72) Anthracene	11.504	178	954092	47.541	ng	100
73) Carbazole	11.657	167	903318	49.986	ng	100
74) Di-n-butylphthalate	11.980	149	977260	50.939	ng	100
75) Fluoranthene	12.639	202	981068	50.634	ng	98
77) Benzidine	12.763	184	288524	37.279	ng	99
78) Pyrene	12.875	202	994180	54.407	ng	100
80) Butylbenzylphthalate	13.486	149	288402	51.251	ng	100
81) Benzo(a)anthracene	14.057	228	755742	51.928	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	95297	20.485	ng	99
83) Chrysene	14.098	228	668732	48.511	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	348342	54.219	ng	99
85) Di-n-octyl phthalate	14.657	149	592340	47.404	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	789735	63.481	ng	100
88) Benzo(b)fluoranthene	15.127	252	651571	62.011	ng	99
89) Benzo(k)fluoranthene	15.157	252	589170	59.587	ng	99
90) Benzo(a)pyrene	15.504	252	492373	50.007	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	642495	64.156	ng	100
92) Benzo(g,h,i)perylene	17.545	276	644132	62.114	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142703.D
Acq On : 10 Jun 2025 10:37
Operator : RC/JU
Sample : PB168351BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 11:44:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
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Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations APPROVED
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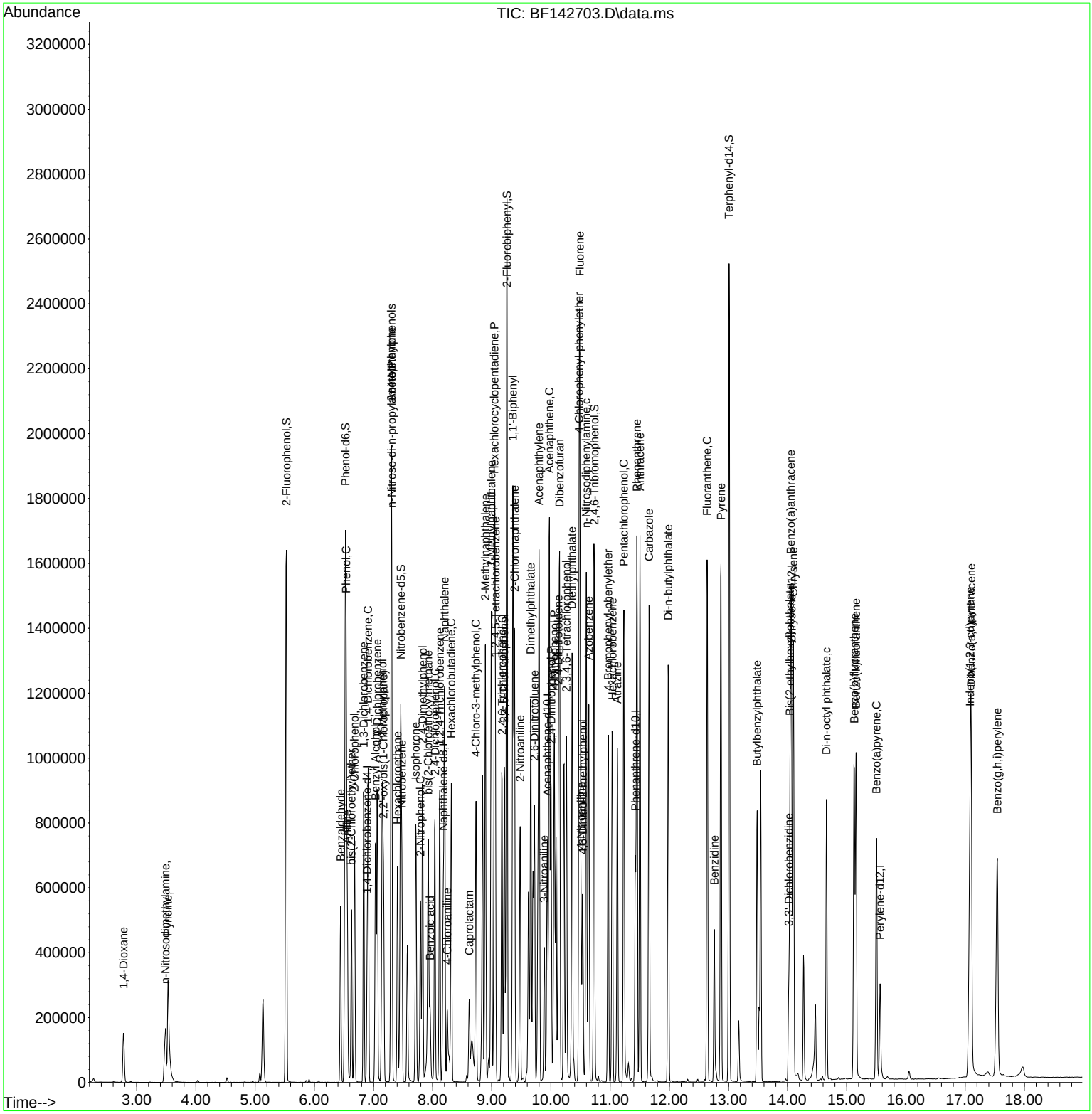
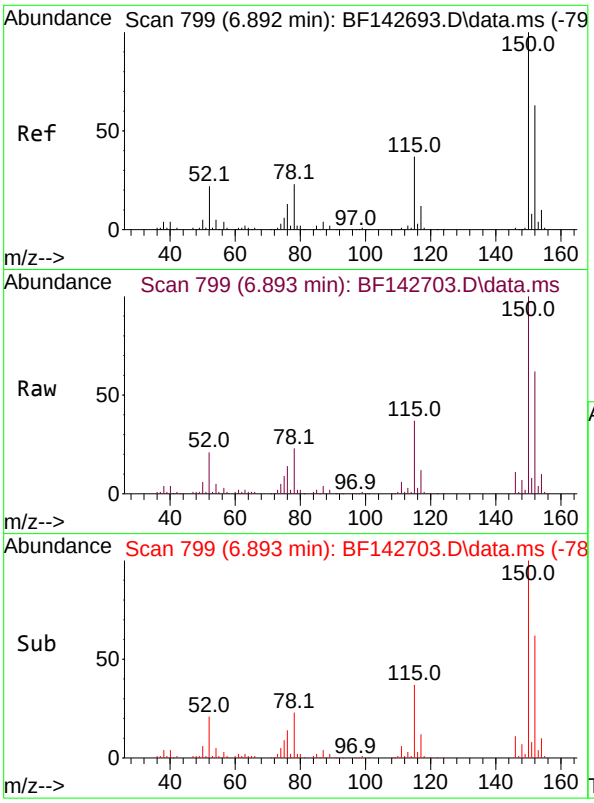
Supervised By :Jagrut Upadhyay 06/11/2025

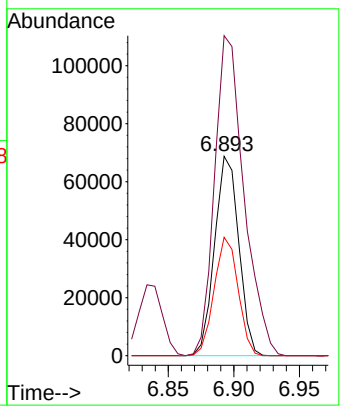




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:152 Resp: 8798

Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.8	190.2
115	59.4	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
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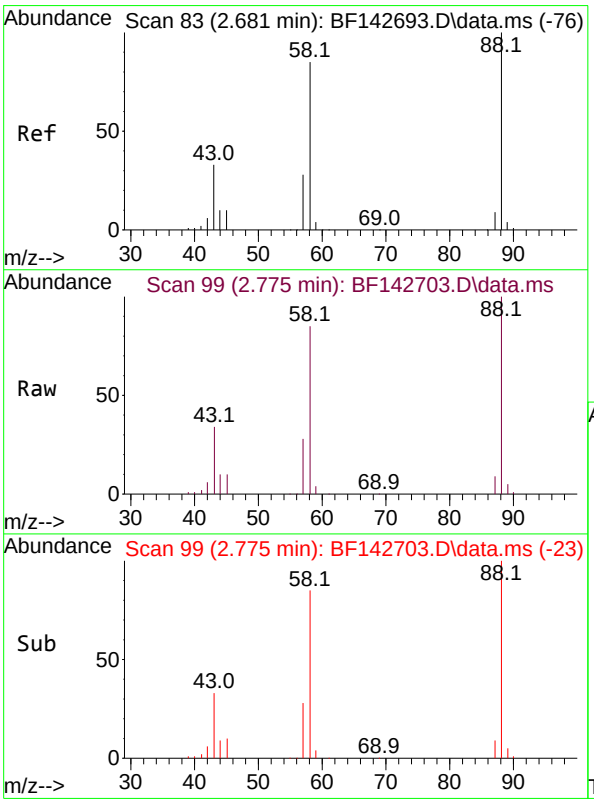
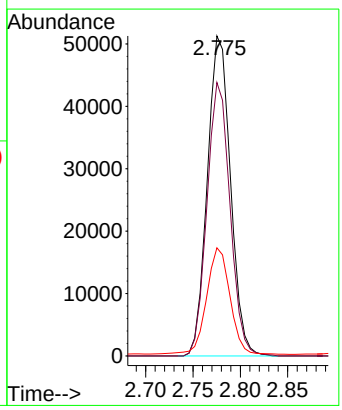
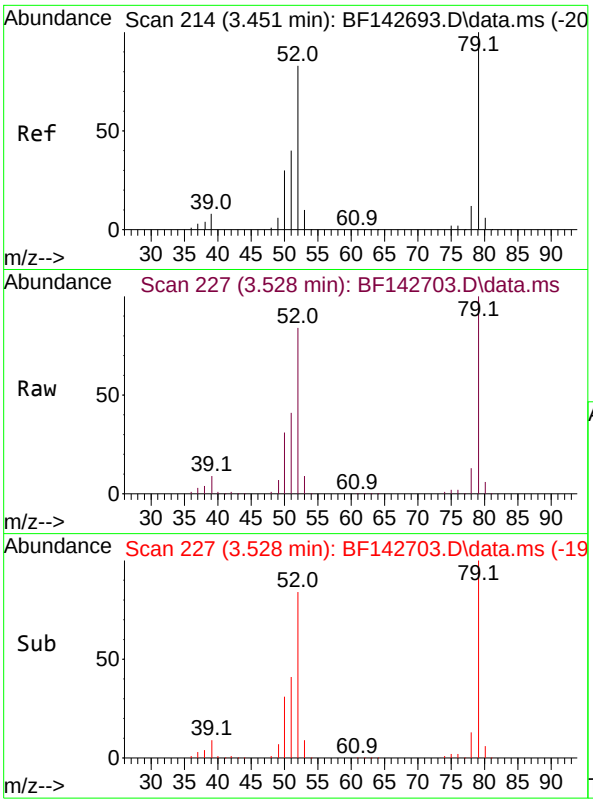


#2
1,4-Dioxane
Concen: 44.017 ng
RT: 2.775 min Scan# 99
Delta R.T. 0.094 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 88 Resp: 87340

Ion	Ratio	Lower	Upper
88	100		
58	85.1	69.2	103.8
43	33.6	26.3	39.5

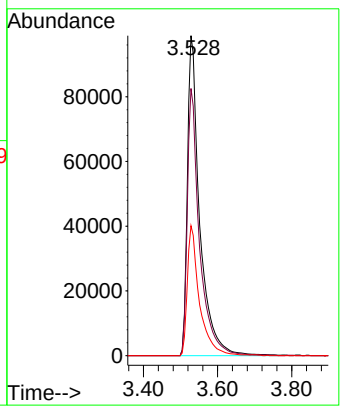




#3
Pyridine
Concen: 44.569 ng
RT: 3.528 min Scan# 2
Delta R.T. 0.077 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 79 Resp: 22808

Ion	Ratio	Lower	Upper
79	100		
52	83.5	66.6	99.8
51	40.6	31.7	47.5



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
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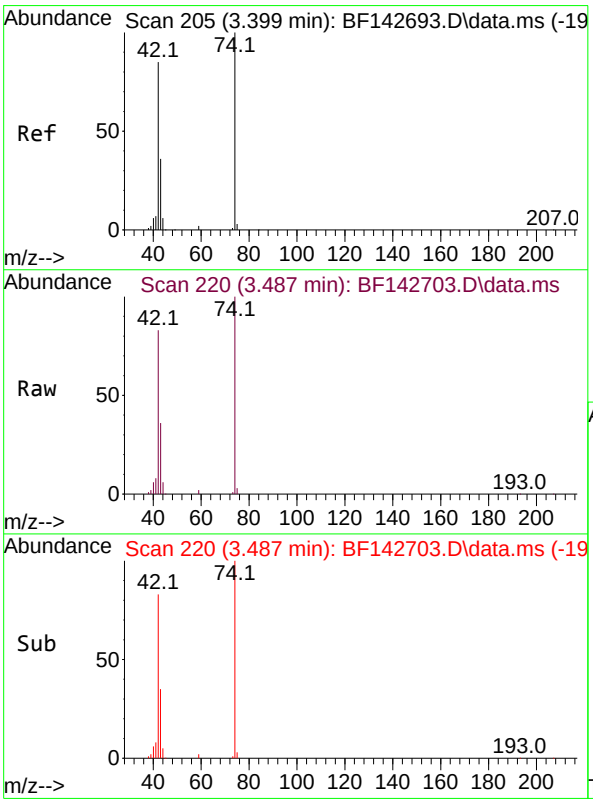
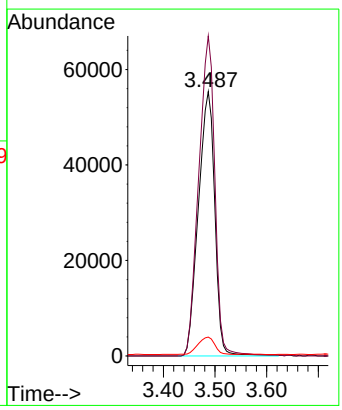
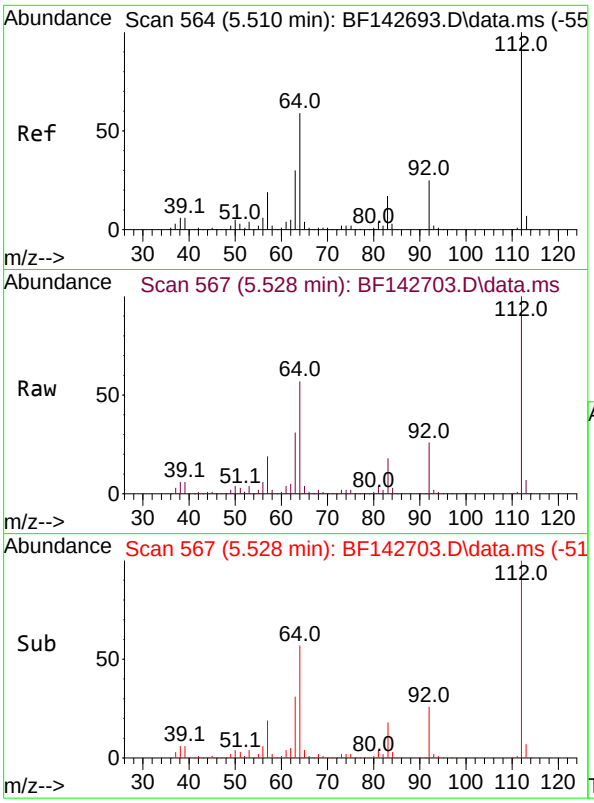


#4
n-Nitrosodimethylamine
Concen: 48.958 ng
RT: 3.487 min Scan# 220
Delta R.T. 0.059 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 42 Resp: 121943

Ion	Ratio	Lower	Upper
42	100		
74	121.1	94.5	141.7
44	7.1	5.6	8.4

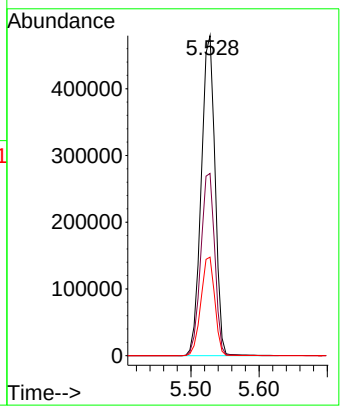




#5
2-Fluorophenol
Concen: 130.467 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:112 Resp: 67603

Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.9	70.3
63	30.8	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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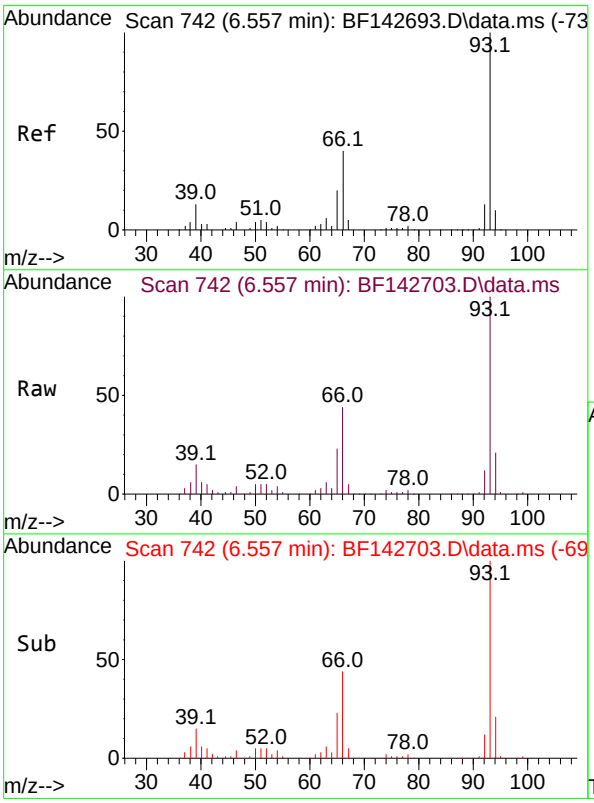
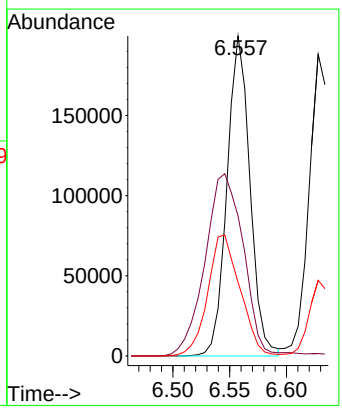
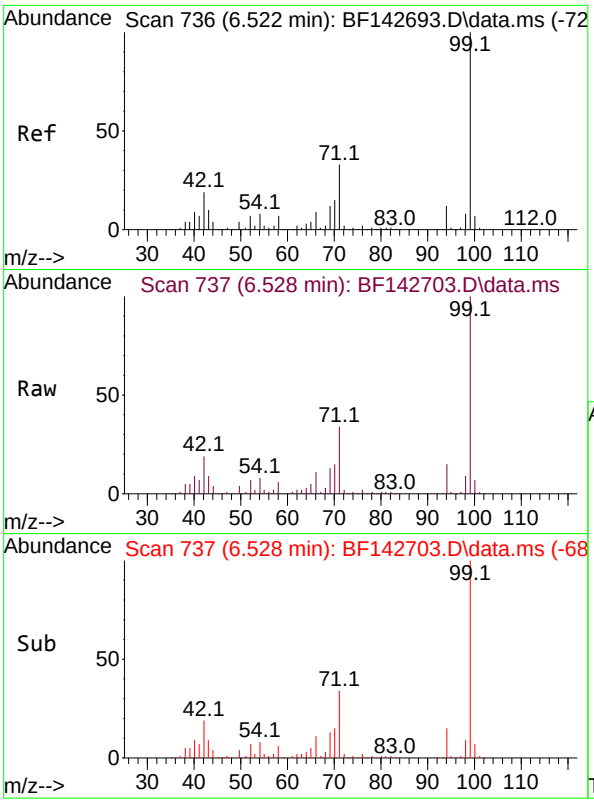


#6
Aniline
Concen: 34.447 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 93 Resp: 281030

Ion	Ratio	Lower	Upper
93	100		
66	43.7	32.8	49.2
65	23.0	16.4	24.6

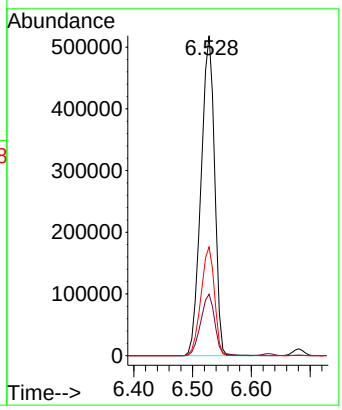




#7
Phenol-d6
Concen: 137.473 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 99 Resp: 83536

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	34.0	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
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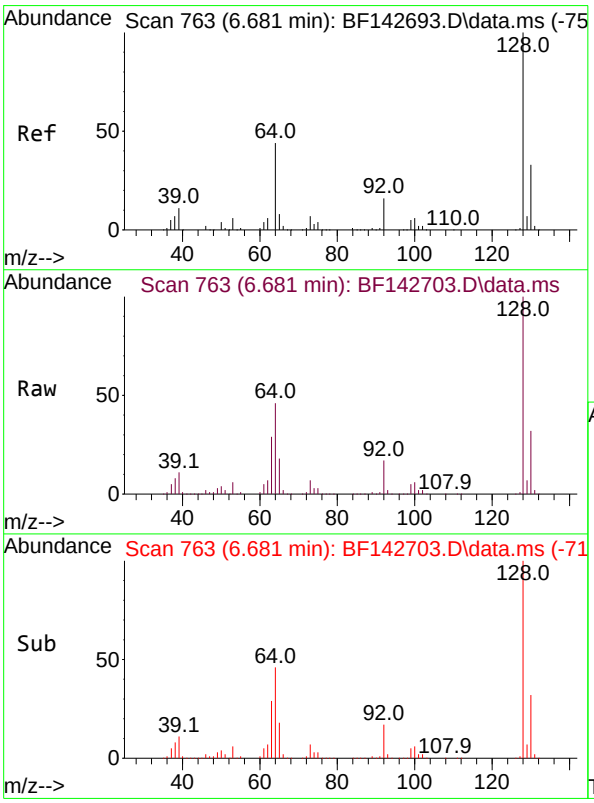
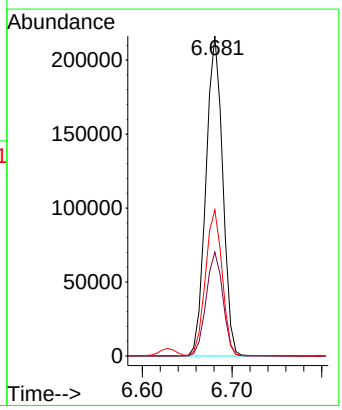
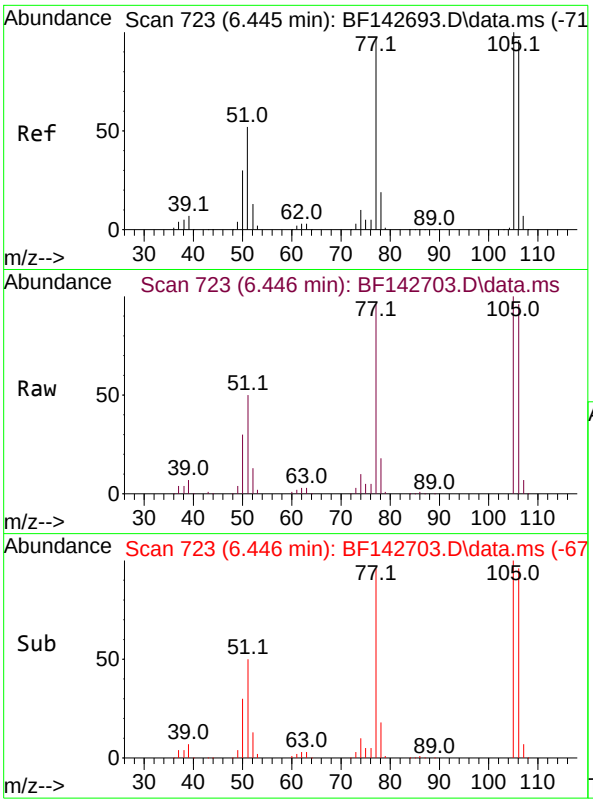


#8
2-Chlorophenol
Concen: 49.595 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:128 Resp: 280377

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.3	53.3
64	45.6	25.4	65.4

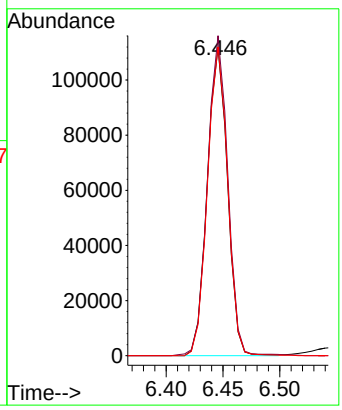




#9
Benzaldehyde
Concen: 40.457 ng
RT: 6.446 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 77 Resp: 13859

Ion	Ratio	Lower	Upper
77	100		
105	103.9	83.2	123.2
106	100.2	78.7	118.7



Instrument :
BNA_F
ClientSampleId :
PB168351BS

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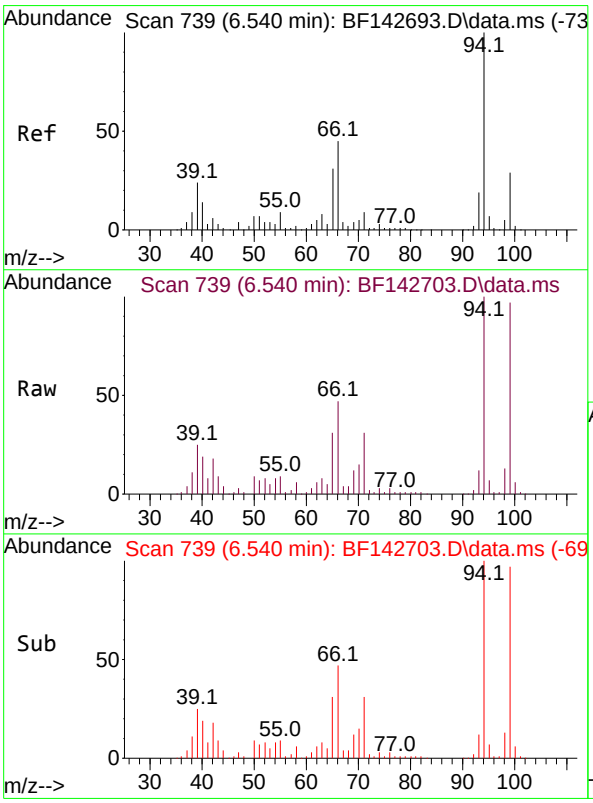
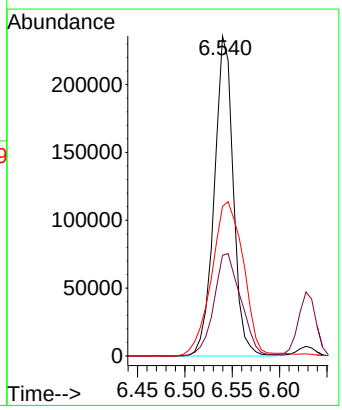
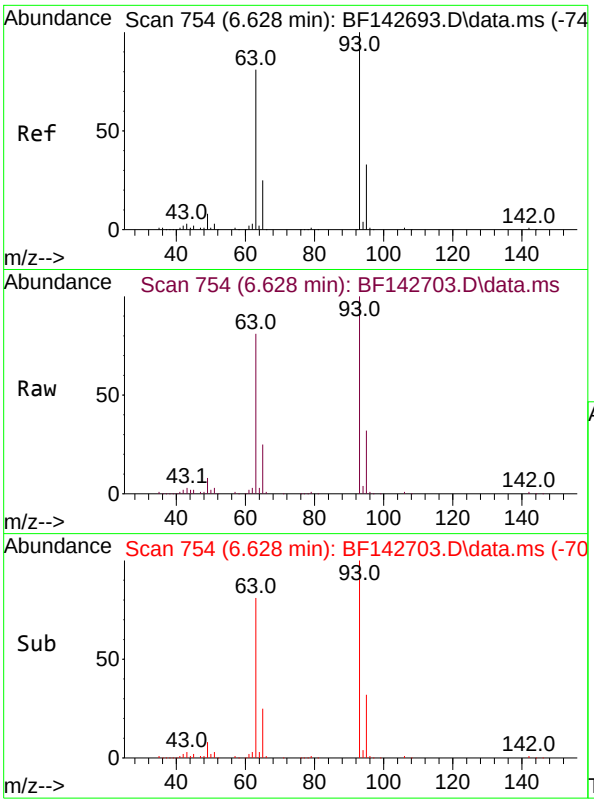


#10
Phenol
Concen: 48.470 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 94 Resp: 329818

Ion	Ratio	Lower	Upper
94	100		
65	31.5	11.0	51.0
66	46.7	24.9	64.9

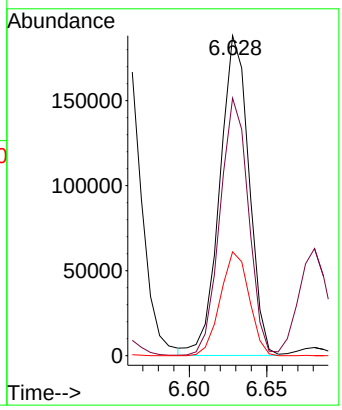




#11
bis(2-Chloroethyl)ether
Concen: 49.755 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 93 Resp: 24664

Ion	Ratio	Lower	Upper
93	100		
63	80.5	60.0	100.0
95	32.4	12.2	52.2



Instrument :
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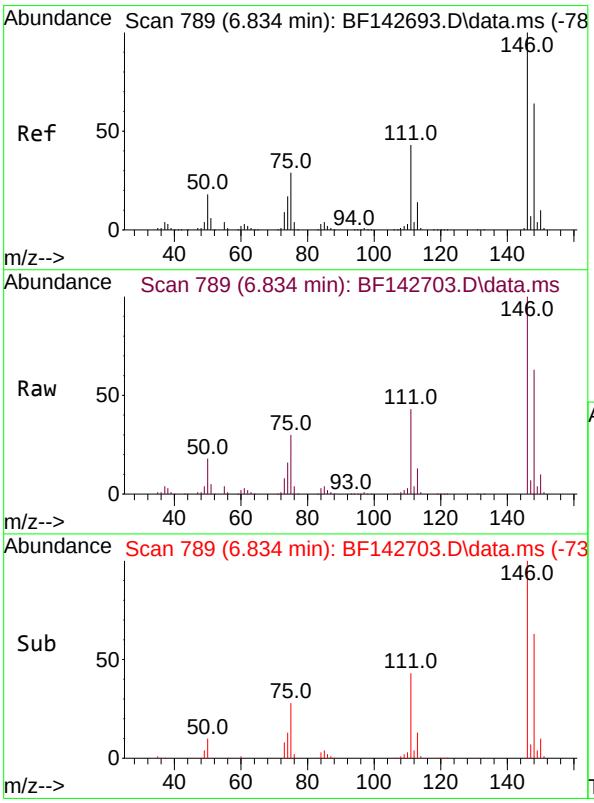
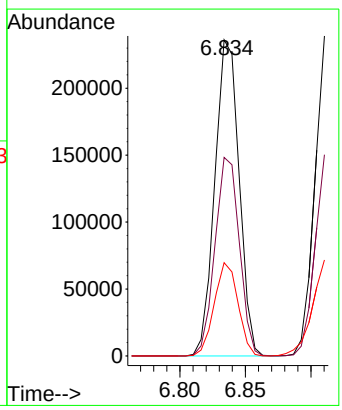
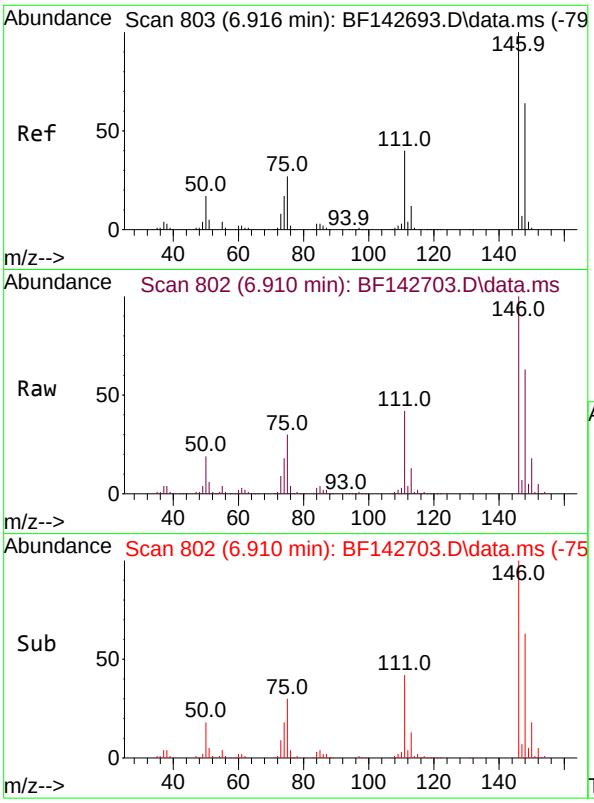


#12
1,3-Dichlorobenzene
Concen: 47.970 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:146 Resp: 303713

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.4	77.2
75	29.5	23.1	34.7

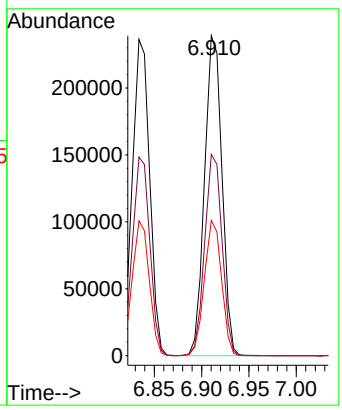




#13
1,4-Dichlorobenzene
Concen: 47.090 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:146 Resp: 30484

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.6
111	42.3	31.8	47.8



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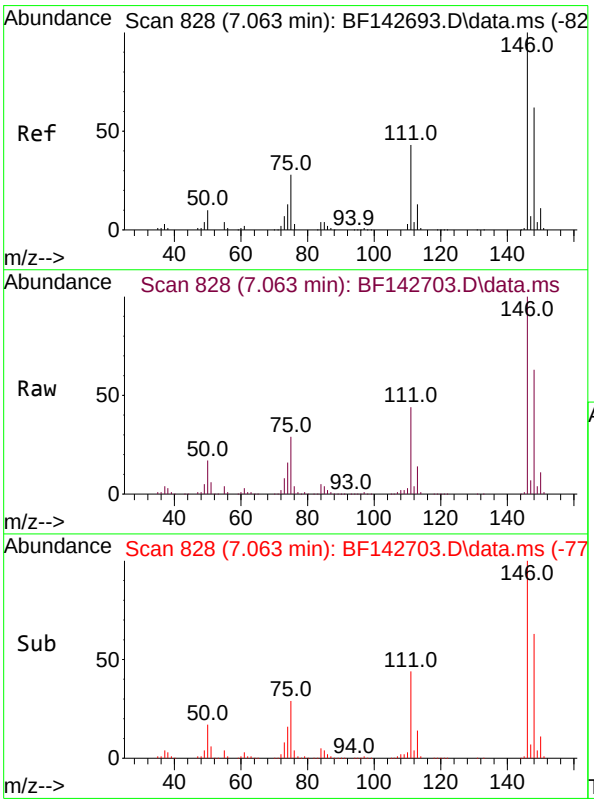
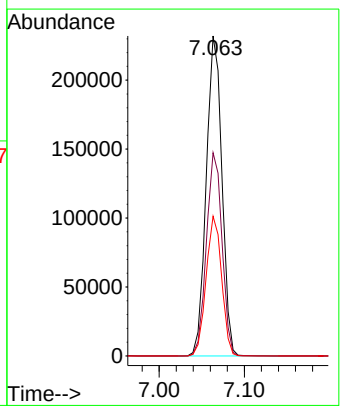
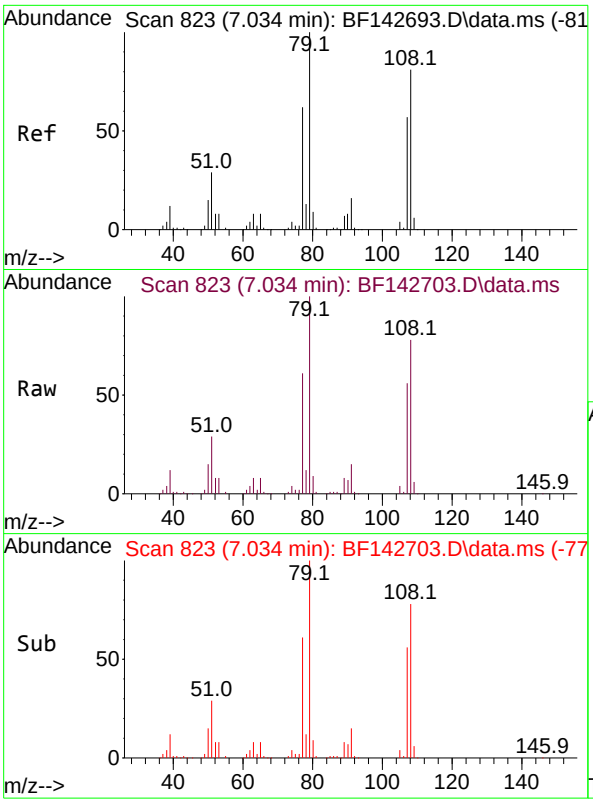


#14
1,2-Dichlorobenzene
Concen: 47.944 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:146 Resp: 295932

Ion	Ratio	Lower	Upper
146	100		
148	63.5	49.3	73.9
111	43.7	34.1	51.1





#15
Benzyl Alcohol
Concen: 50.843 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 79 Resp: 22599

Ion	Ratio	Lower	Upper
79	100		
108	78.4	64.8	97.2
77	61.0	49.4	74.2

Instrument :
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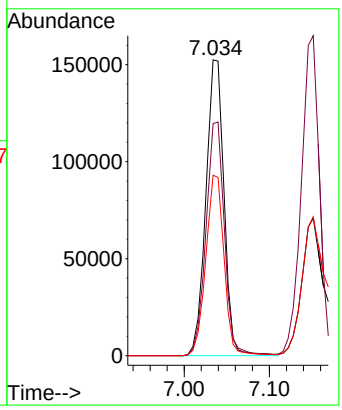
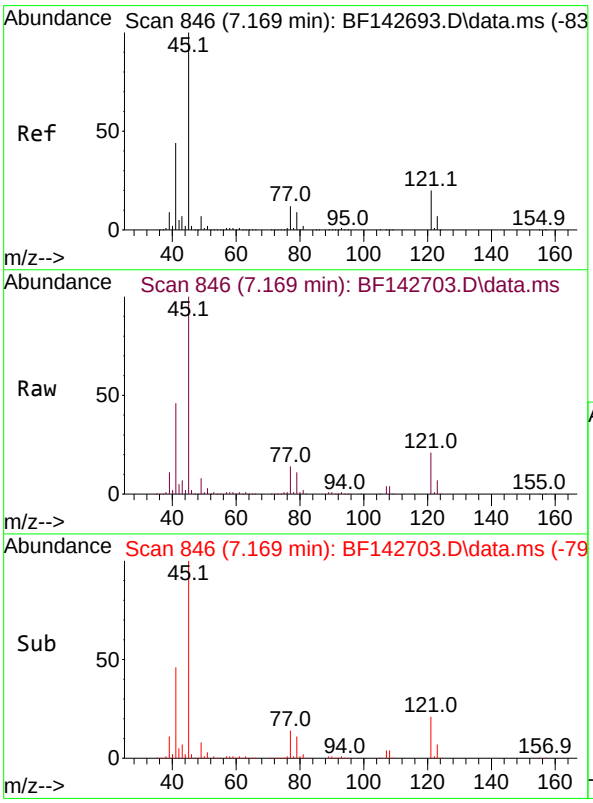
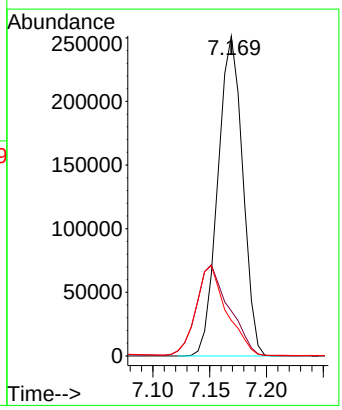


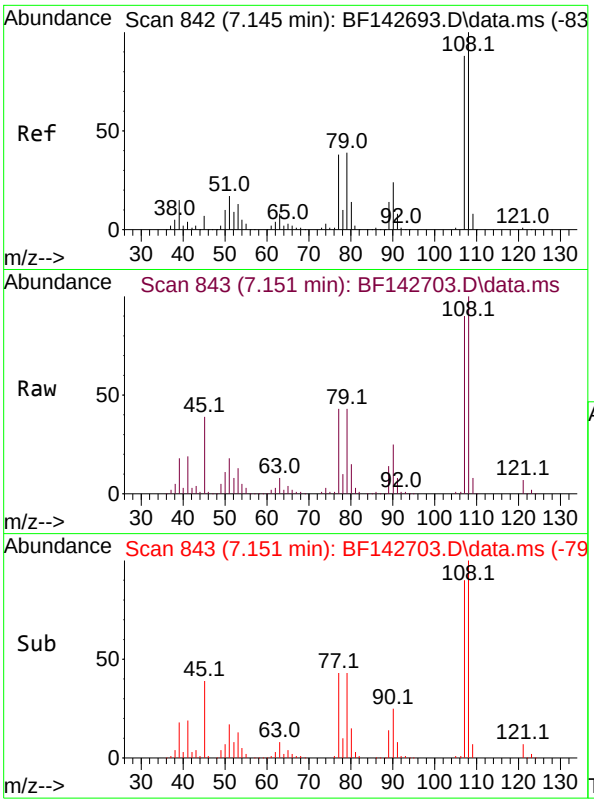


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.312 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 45 Resp: 381914

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	32.8
79	11.1	0.0	30.3

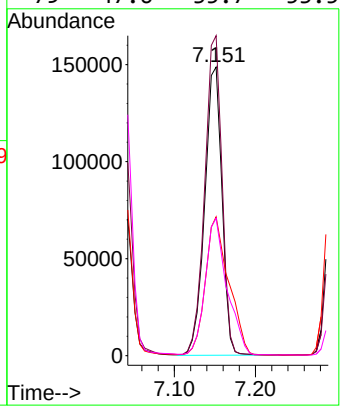




#17
2-Methylphenol
Concen: 50.468 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:107 Resp: 21877

Ion	Ratio	Lower	Upper
107	100		
108	110.8	91.0	136.4
77	48.1	34.9	52.3
79	47.6	35.7	53.5



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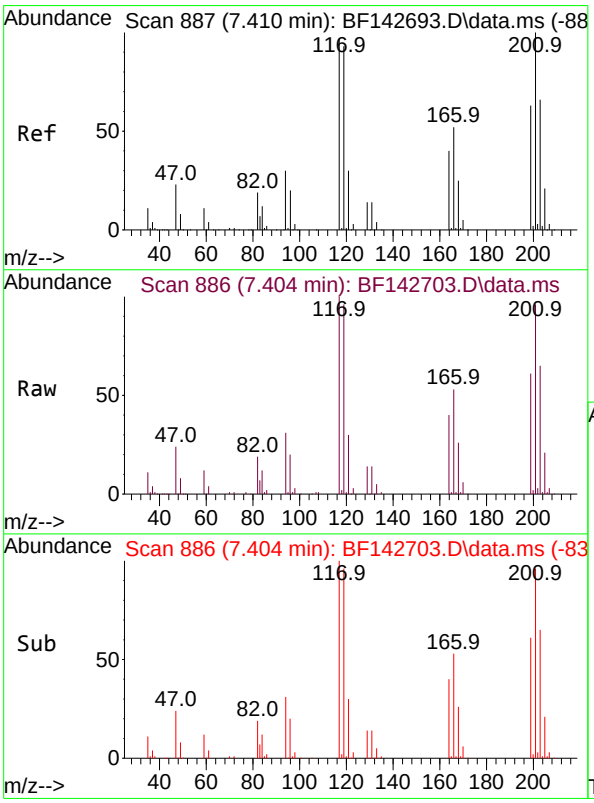
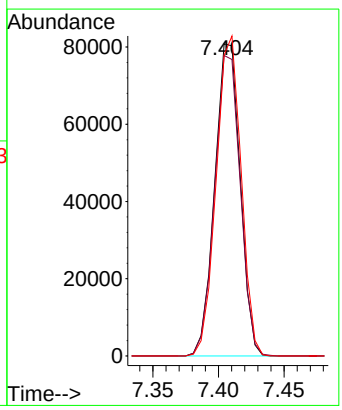
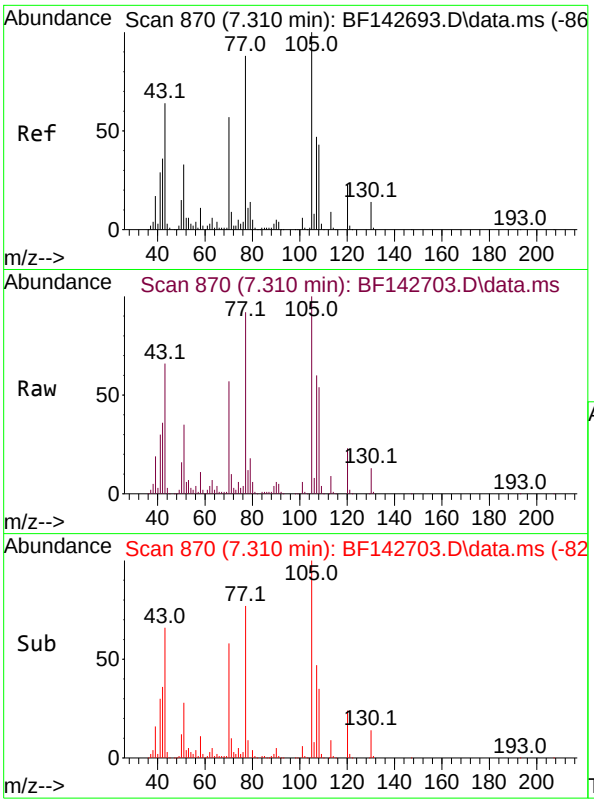


#18
Hexachloroethane
Concen: 49.052 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:117 Resp: 109093

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.1	115.7
201	96.4	82.6	123.8

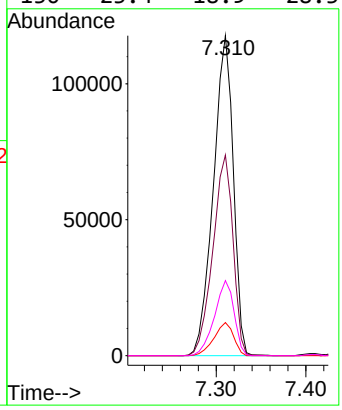




#19
n-Nitroso-di-n-propylamine
Concen: 50.962 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 70 Resp: 18153

Ion	Ratio	Lower	Upper
70	100		
42	62.7	50.1	75.1
101	10.3	8.1	12.1
130	23.4	18.9	28.3



Instrument :
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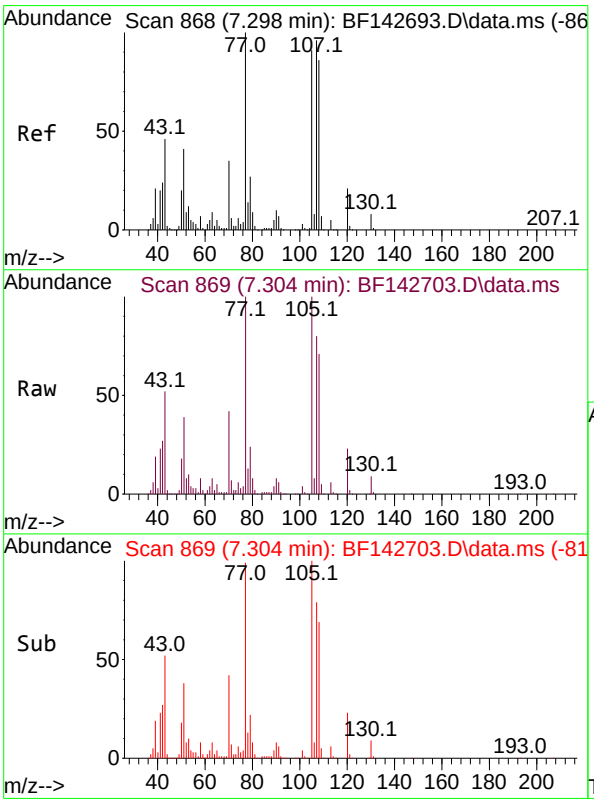
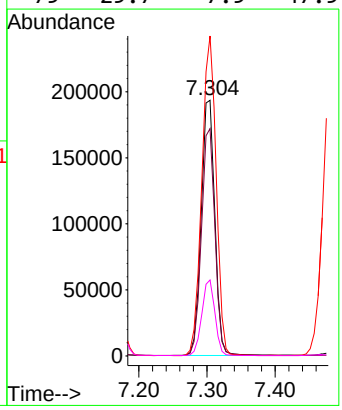
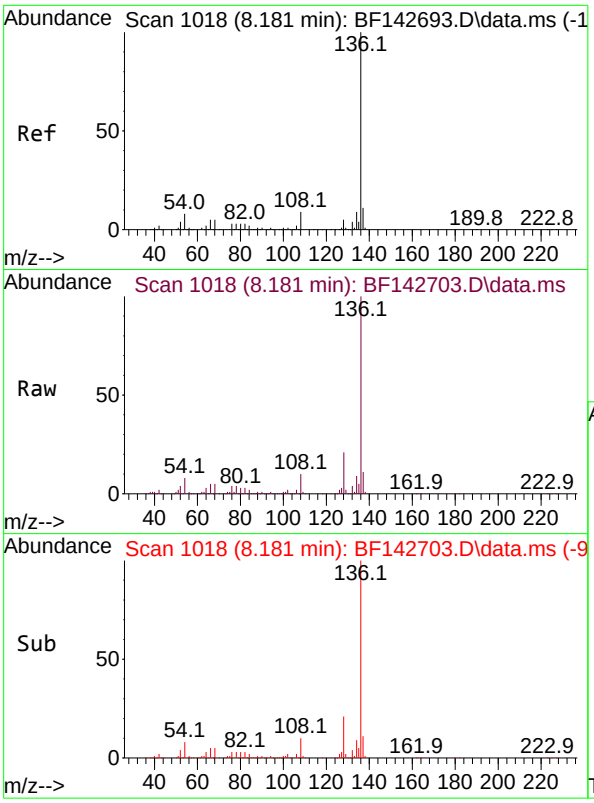


#20
3+4-Methylphenols
Concen: 50.296 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:107 Resp: 268521

Ion	Ratio	Lower	Upper
107	100		
108	88.9	69.5	109.5
77	125.2	83.6	123.6#
79	29.7	7.9	47.9

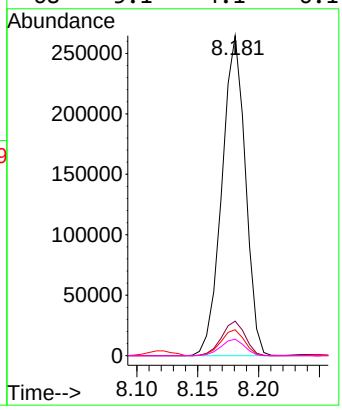




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:136 Resp: 35535

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	6.4	9.6
68	5.1	4.1	6.1



Instrument :
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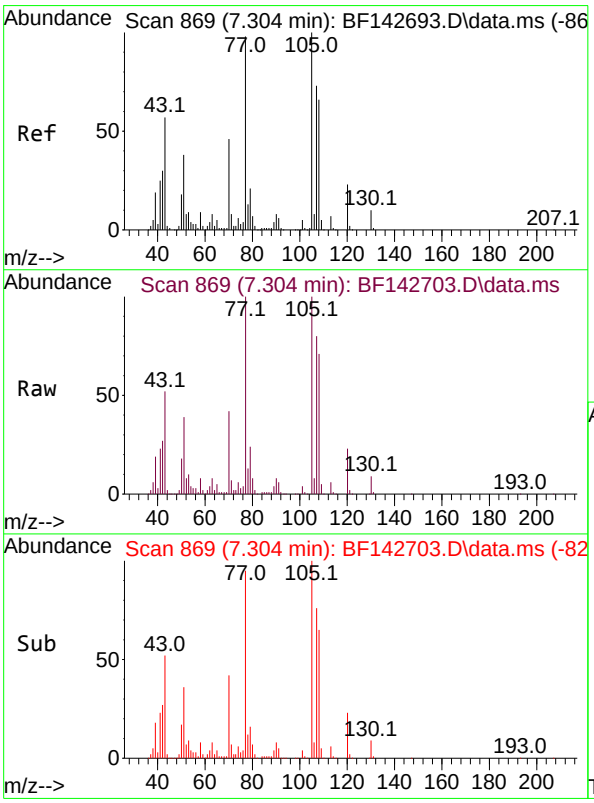
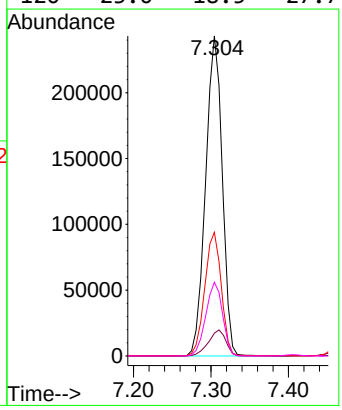
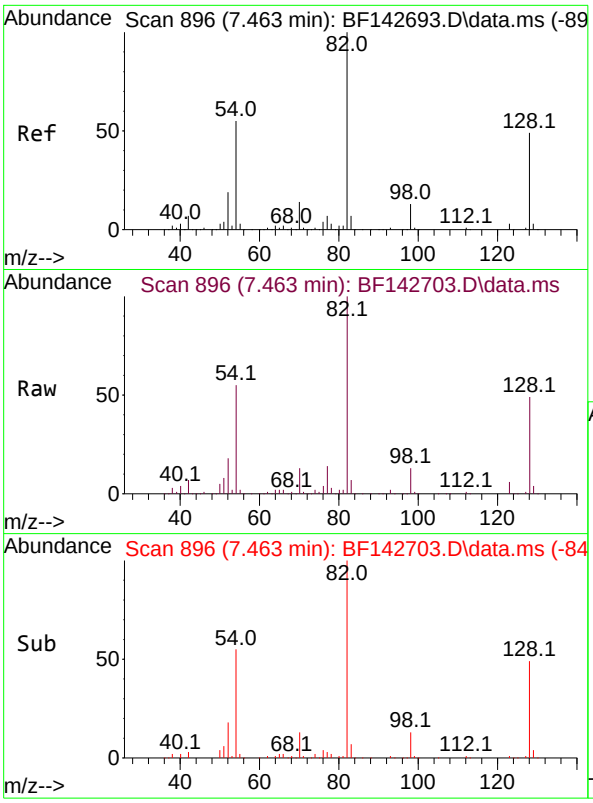


#22
Acetophenone
Concen: 46.706 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:105 Resp: 362815

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.2	9.2
51	38.6	30.8	46.2
120	23.0	18.5	27.7

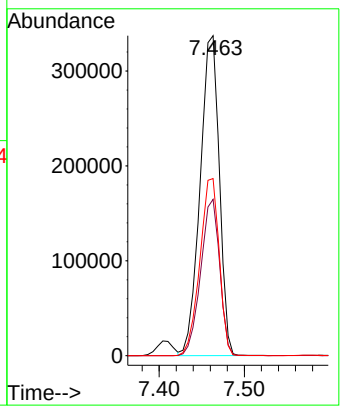




#23
Nitrobenzene-d5
Concen: 81.611 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 82 Resp: 52770

Ion	Ratio	Lower	Upper
82	100		
128	48.8	39.3	58.9
54	55.4	44.2	66.2



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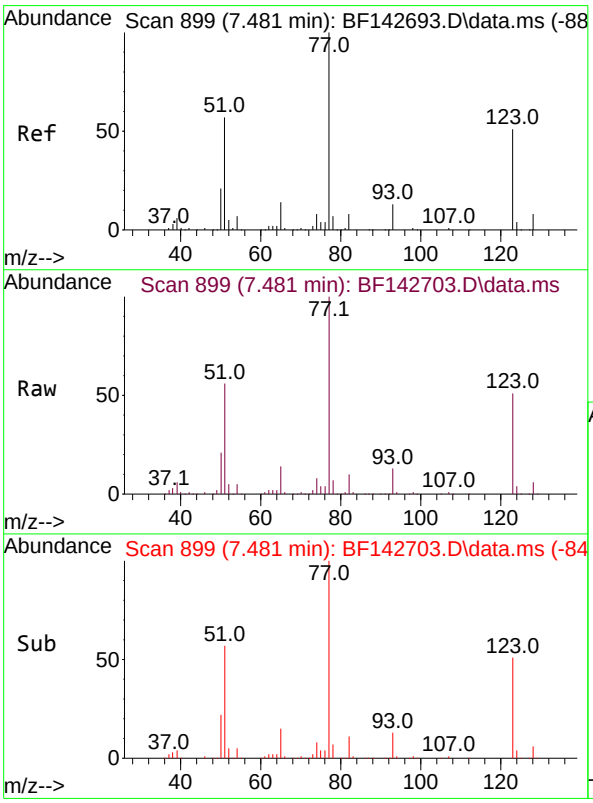
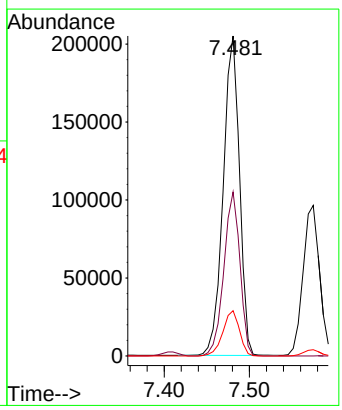
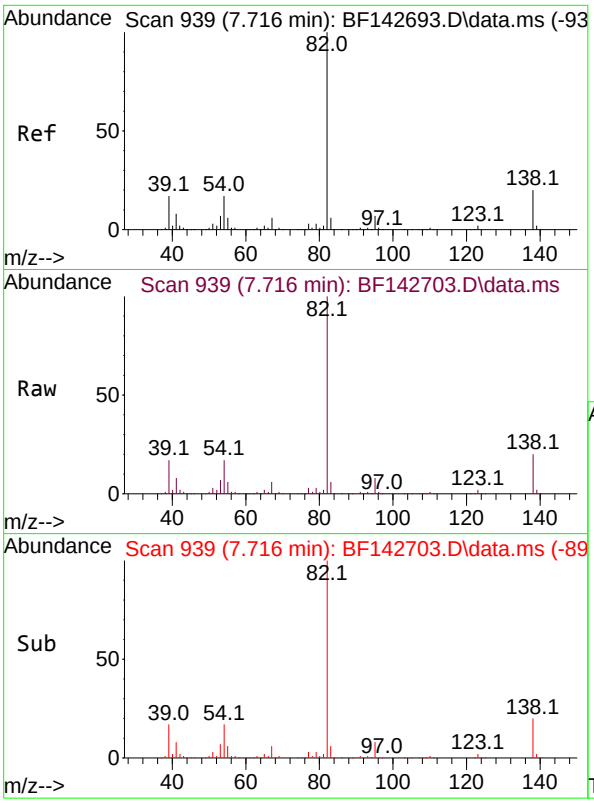


#24
Nitrobenzene
Concen: 46.595 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 77 Resp: 271715

Ion	Ratio	Lower	Upper
77	100		
123	51.3	41.3	61.9
65	14.1	11.2	16.8

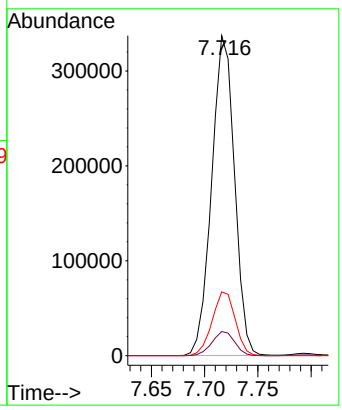




#25
Isophorone
Concen: 47.902 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 82 Resp: 50252

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	19.9	16.1	24.1



Instrument :
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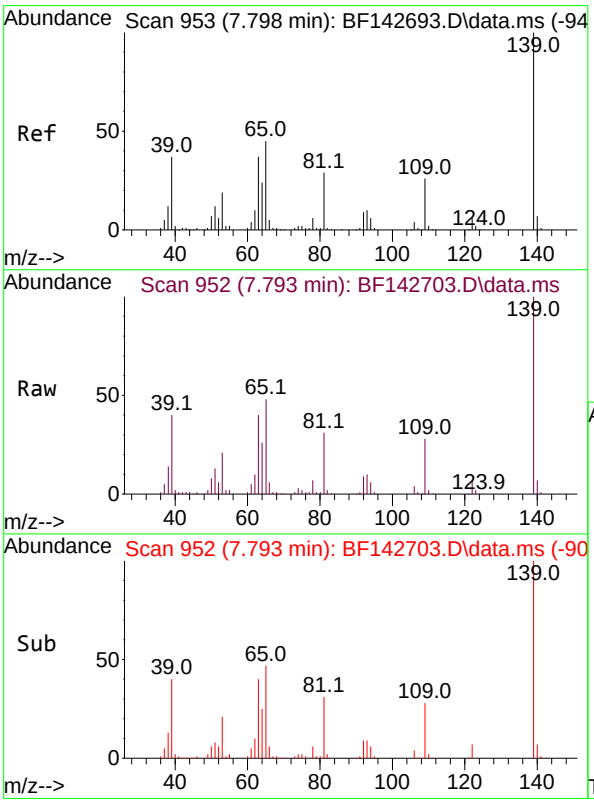
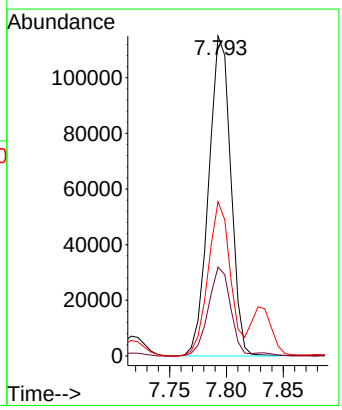
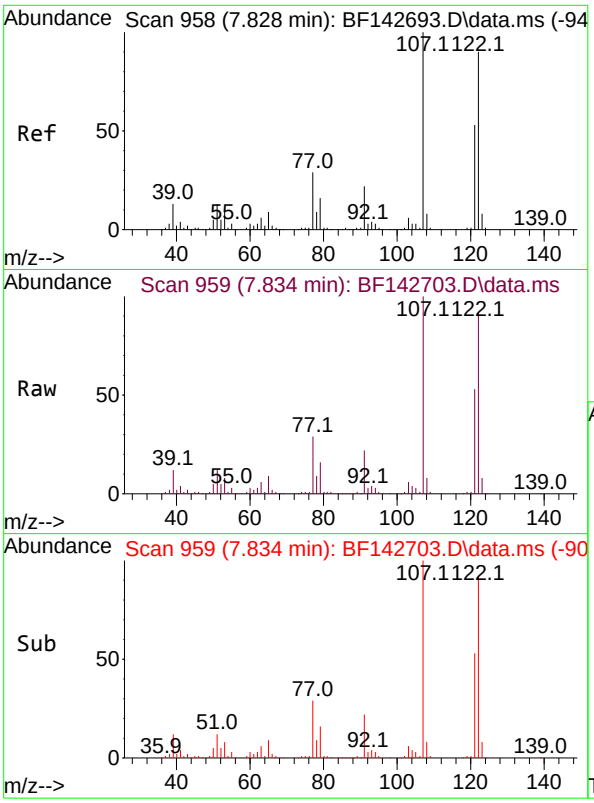


#26
2-Nitrophenol
Concen: 48.526 ng
RT: 7.793 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:139 Resp: 156091

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.0	31.6
65	48.2	36.2	54.2

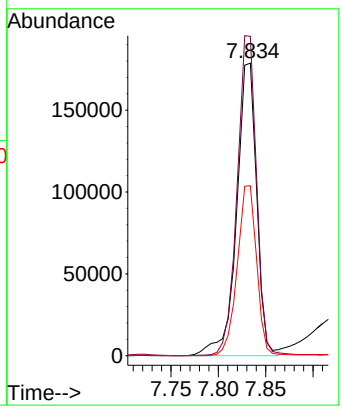




#27
2,4-Dimethylphenol
Concen: 48.256 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:122 Resp: 26380

Ion	Ratio	Lower	Upper
122	100		
107	109.2	89.4	134.2
121	58.1	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
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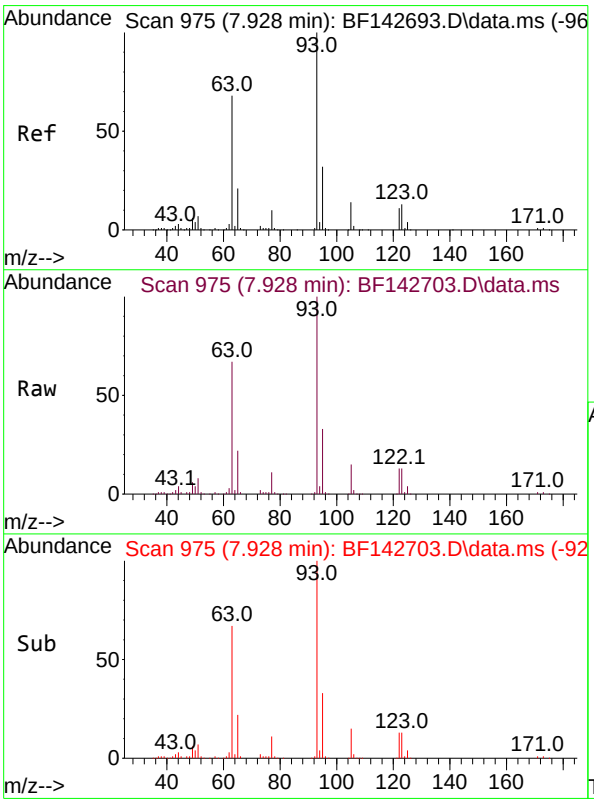
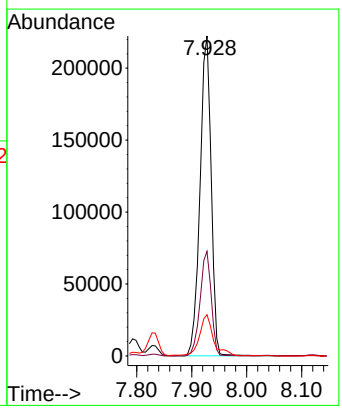
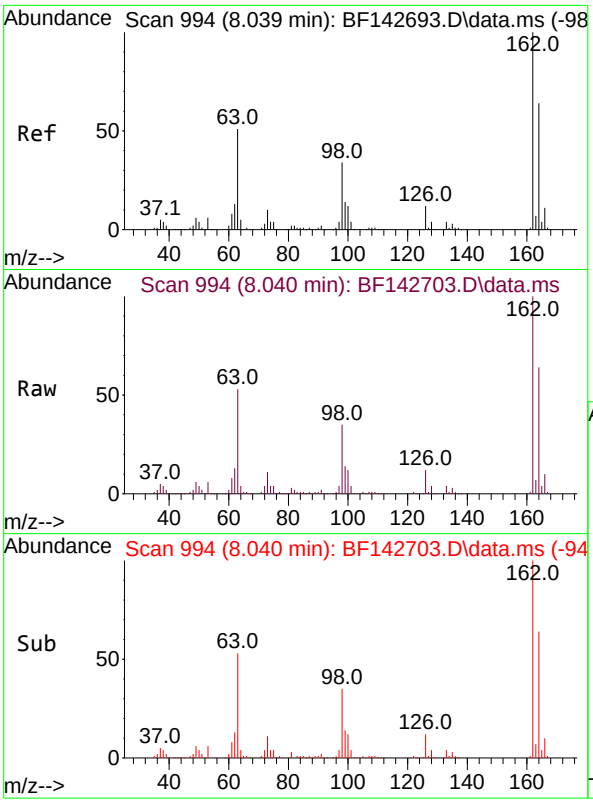


#28
bis(2-Chloroethoxy)methane
Concen: 47.586 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 93 Resp: 313108

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	12.9	10.5	15.7

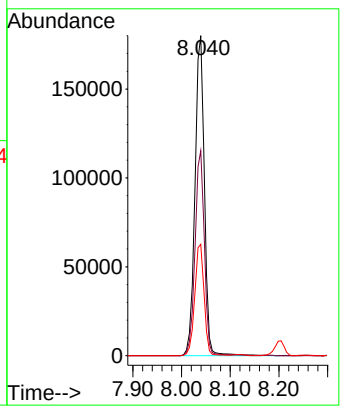




#29
2,4-Dichlorophenol
Concen: 48.597 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:162 Resp: 24338

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.0	84.0
98	34.8	14.4	54.4



Instrument :
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ClientSampleId :
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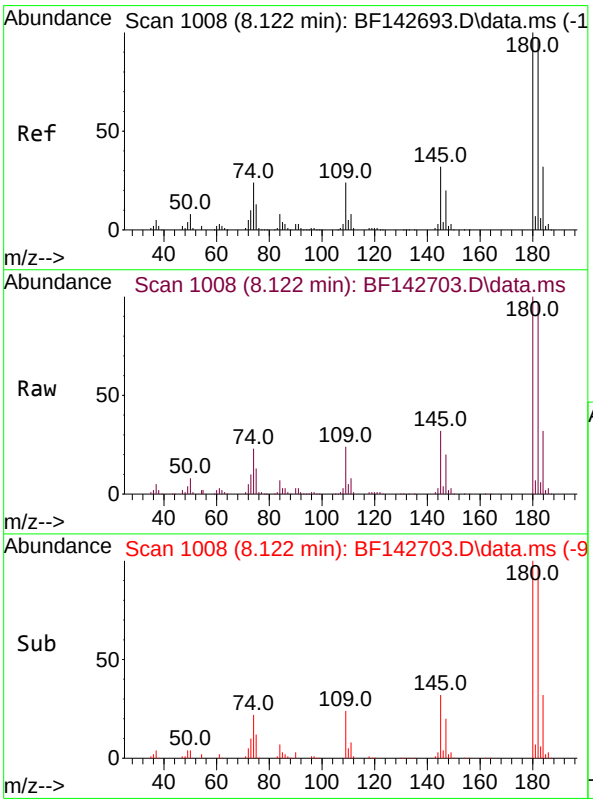
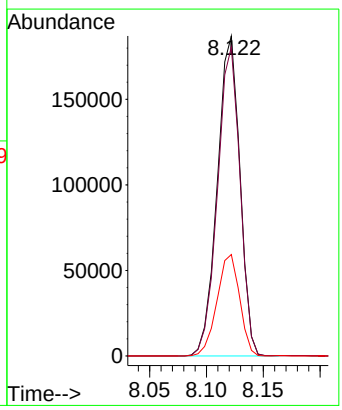
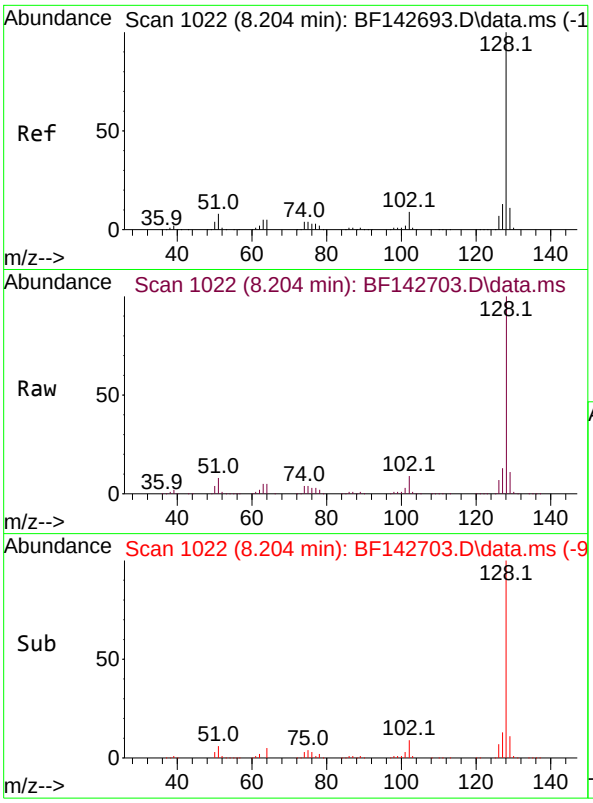


#30
1,2,4-Trichlorobenzene
Concen: 47.473 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:180 Resp: 259339

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
145	31.7	25.4	38.0

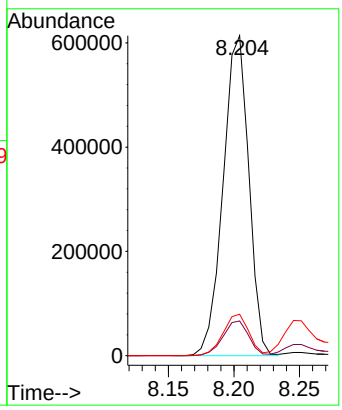




#31
Naphthalene
Concen: 47.713 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:128 Resp: 83549

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.6	15.8



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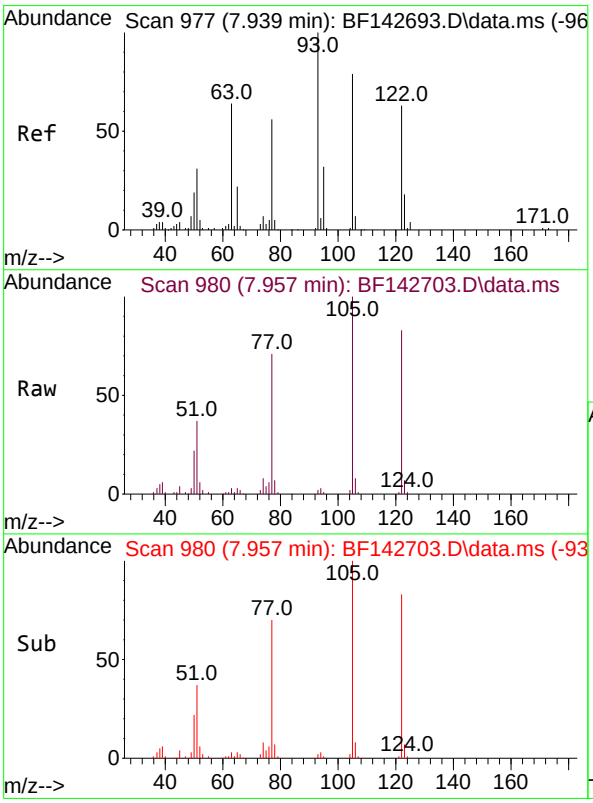
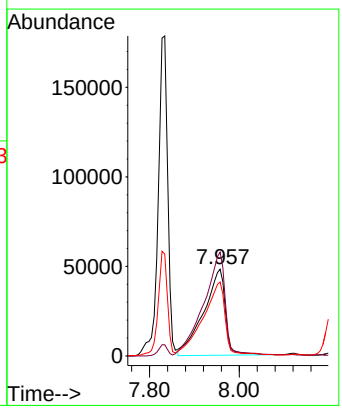
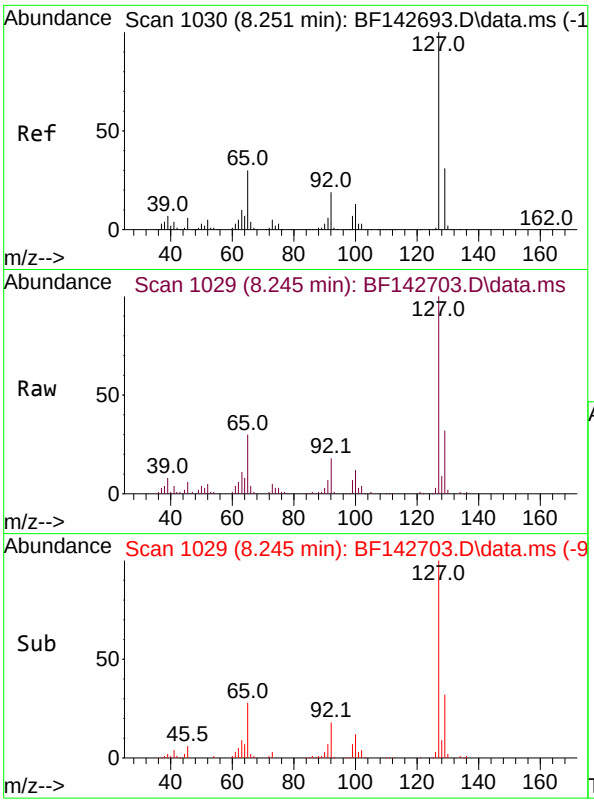


#32
Benzoic acid
Concen: 48.937 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.023 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:122 Resp: 162235

Ion	Ratio	Lower	Upper
122	100		
105	119.8	100.3	140.3
77	85.2	67.9	107.9

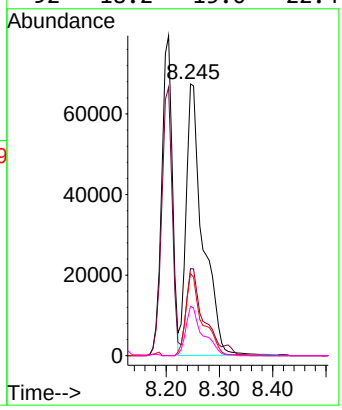




#33
4-Chloroaniline
Concen: 20.365 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:127 Resp: 14661

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.2	23.8	35.6
92	18.2	15.0	22.4



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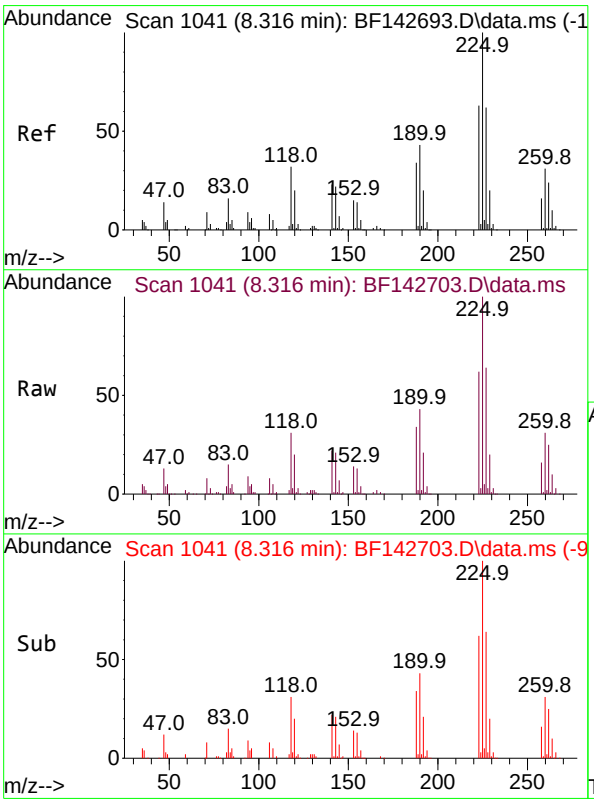
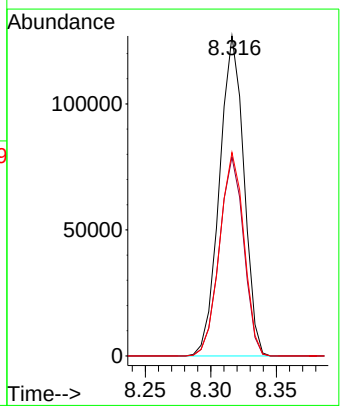
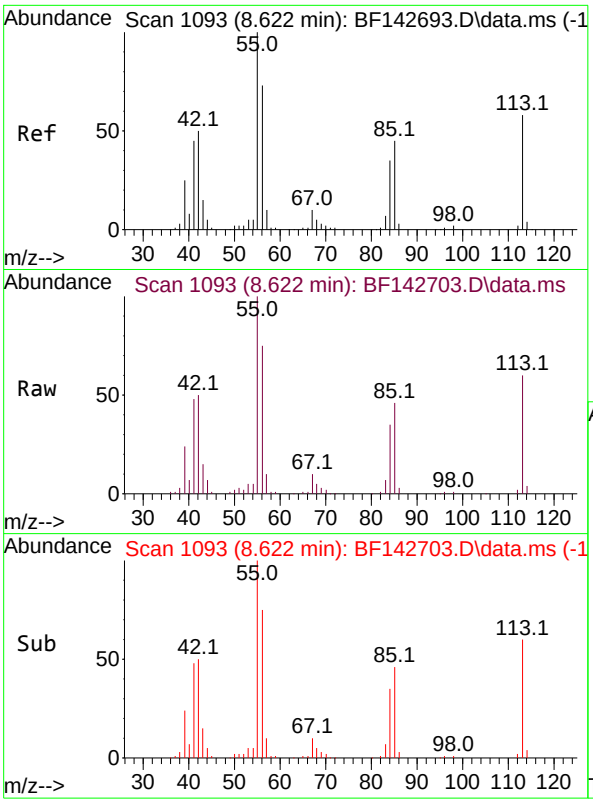


#34
Hexachlorobutadiene
Concen: 48.832 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:225 Resp: 164295

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.7	76.1
227	63.6	49.8	74.8

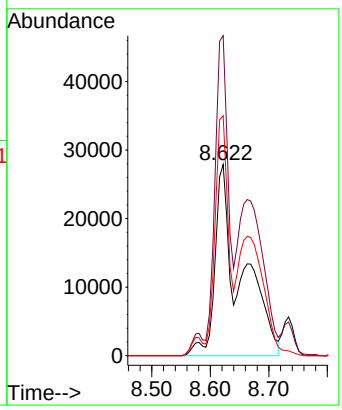




#35
Caprolactam
Concen: 55.474 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:113 Resp: 8533

Ion	Ratio	Lower	Upper
113	100		
55	167.4	152.9	192.9
56	125.5	106.6	146.6



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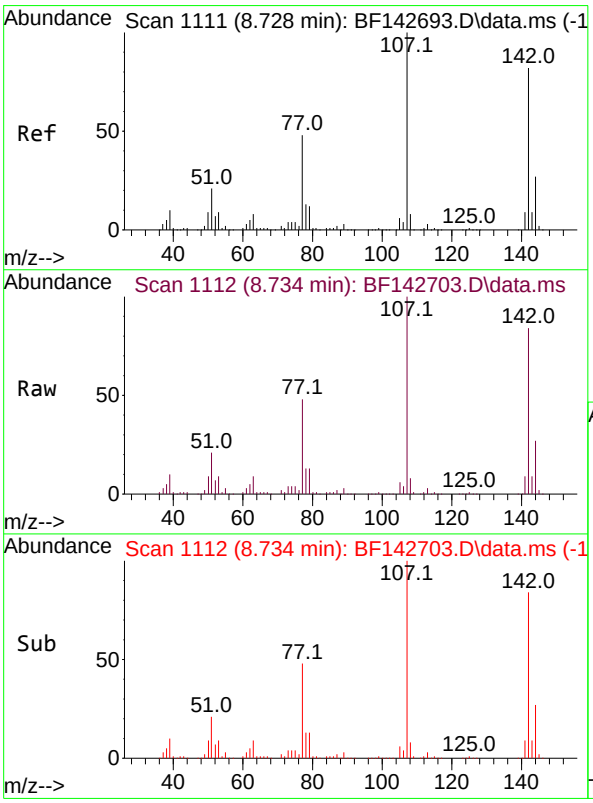
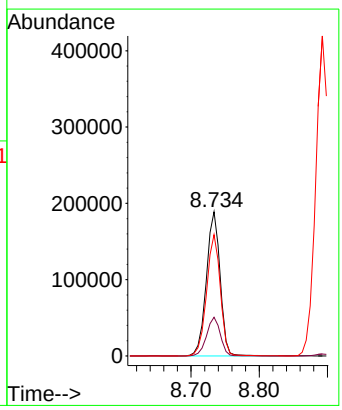
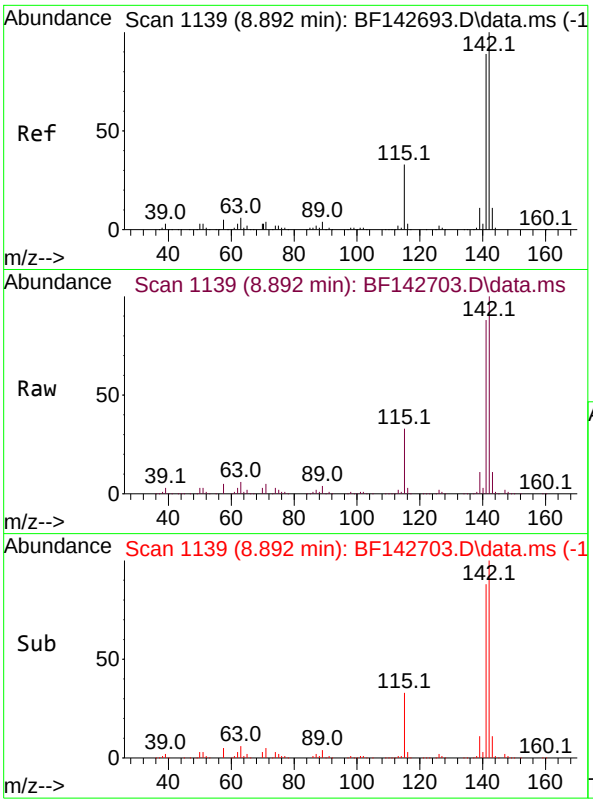


#36
4-Chloro-3-methylphenol
Concen: 51.403 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:107 Resp: 265547

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.5	32.3
142	84.2	65.5	98.3

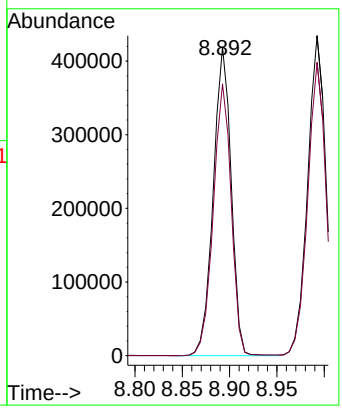




#37
2-Methylnaphthalene
Concen: 50.160 ng
RT: 8.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:142 Resp: 55268

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2



Instrument :
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ClientSampleId :
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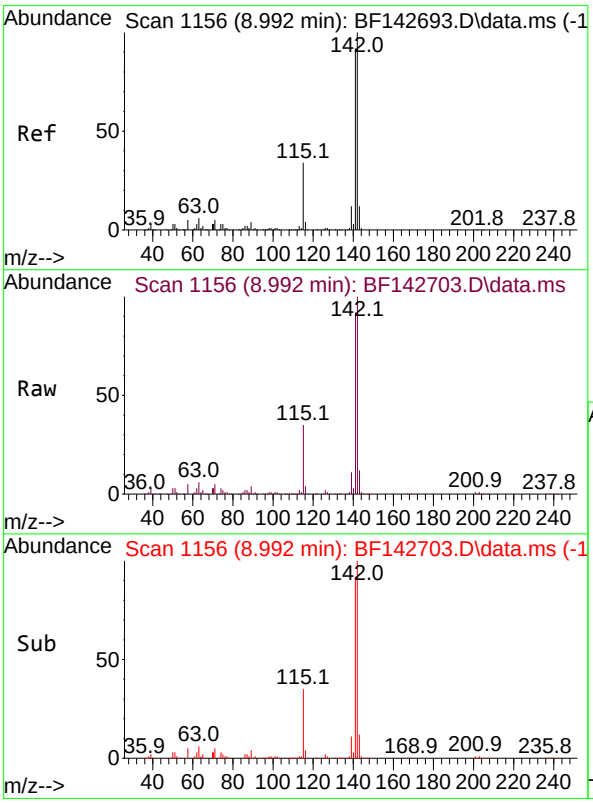
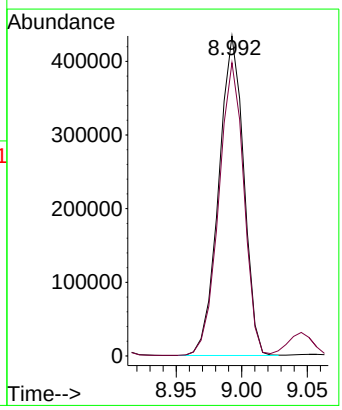
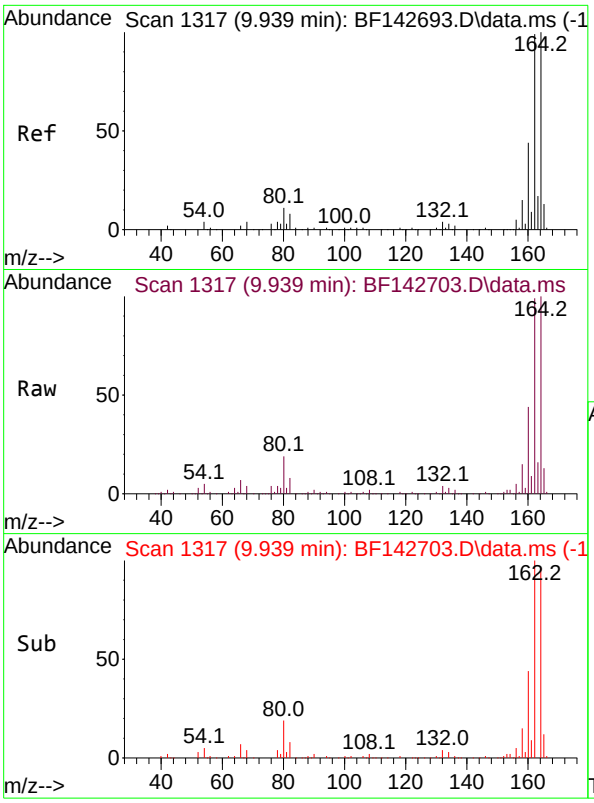


#38
1-Methylnaphthalene
Concen: 50.482 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:142 Resp: 575999

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.7	110.5

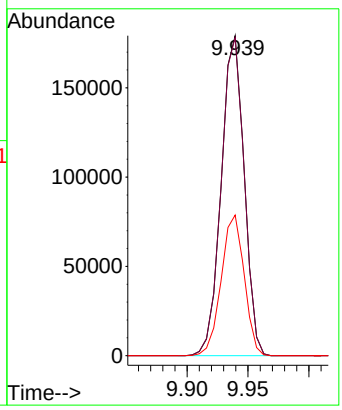




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:164 Resp: 23457

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.1	118.7
160	44.0	35.4	53.0



Instrument :
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ClientSampleId :
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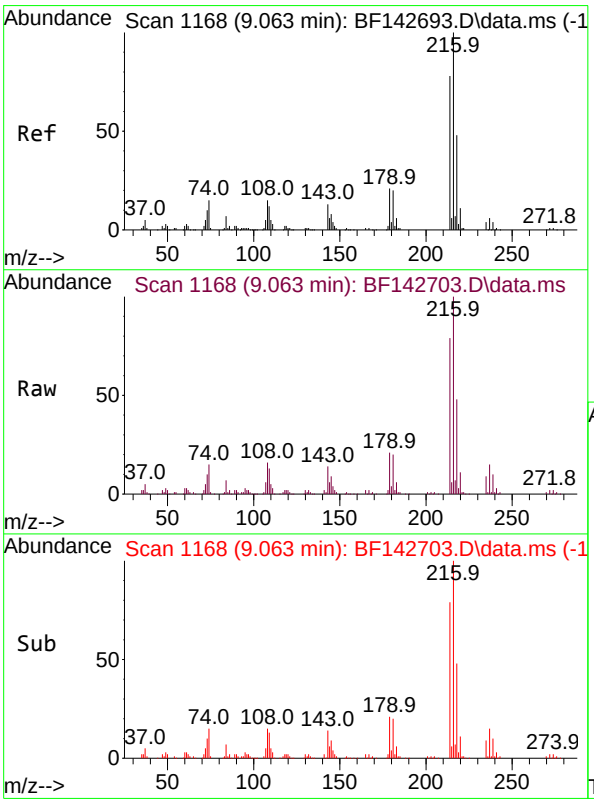
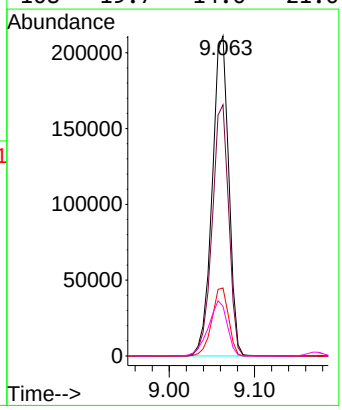
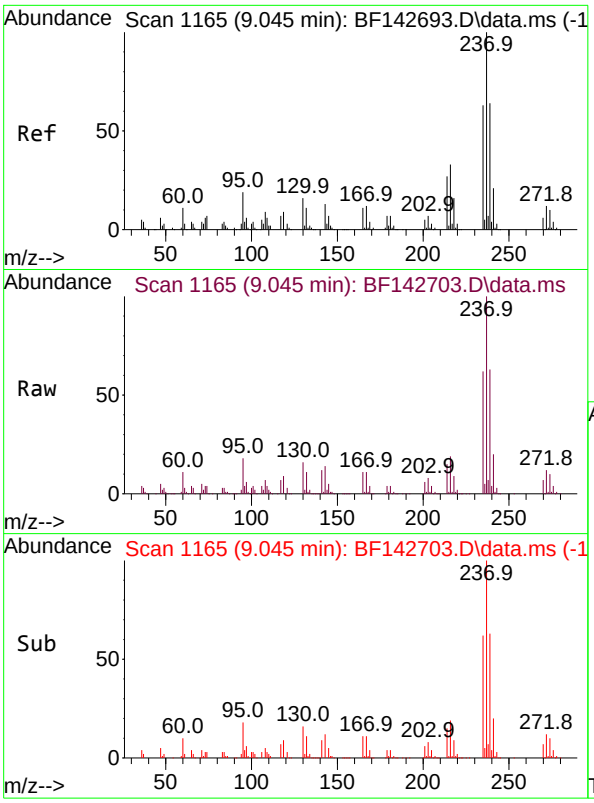


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.996 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:216 Resp: 284698

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.6
179	21.4	16.6	25.0
108	19.7	14.0	21.0

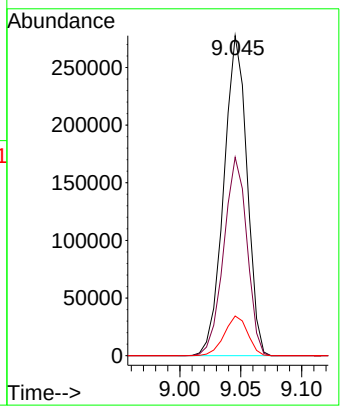




#41
Hexachlorocyclopentadiene
Concen: 92.441 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:237 Resp: 36801

Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.1	83.1
272	12.4	0.0	32.5



Instrument :
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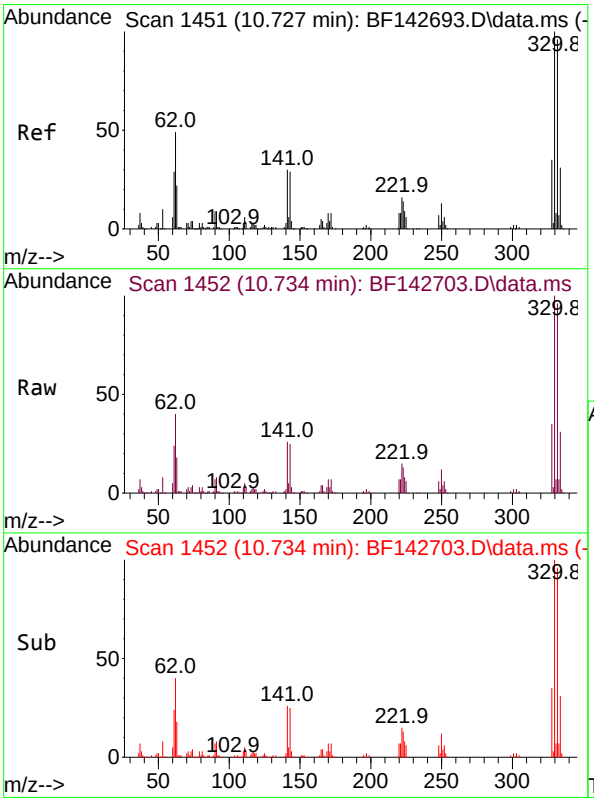
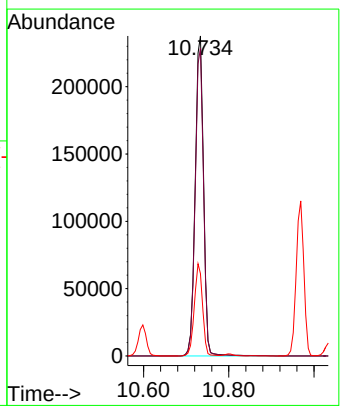
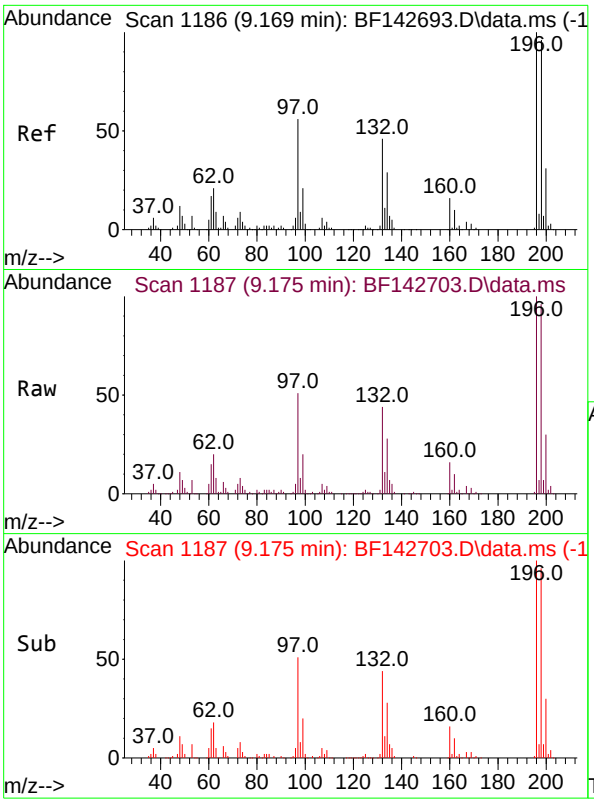


#42
2,4,6-Tribromophenol
Concen: 122.564 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:330 Resp: 323021

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	28.4	23.5	35.3

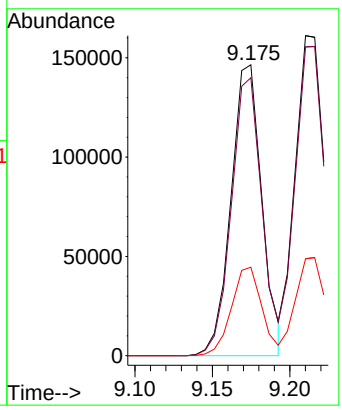




#43
2,4,6-Trichlorophenol
Concen: 45.558 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:196 Resp: 20265

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.1	115.7
200	30.4	24.5	36.7



Instrument :
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ClientSampleId :
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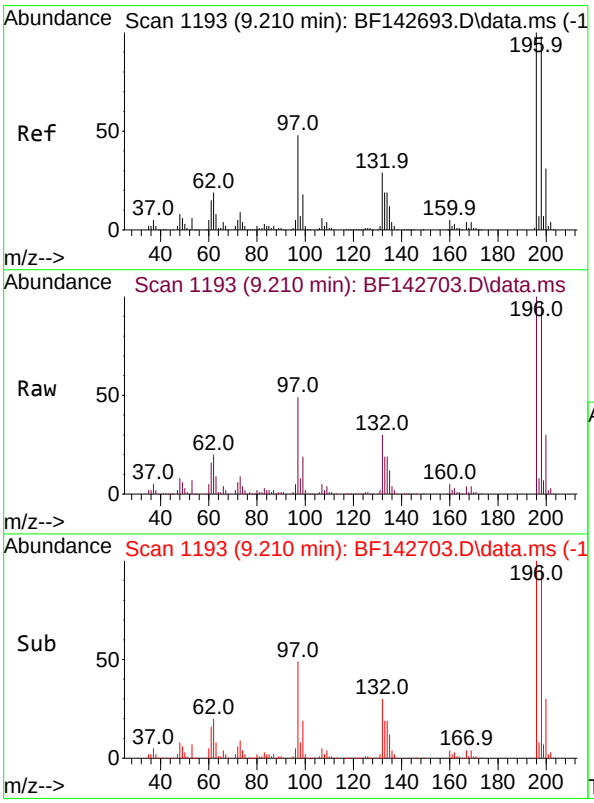
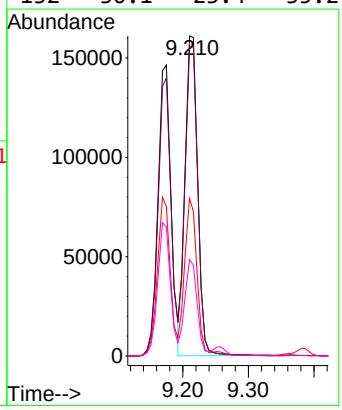
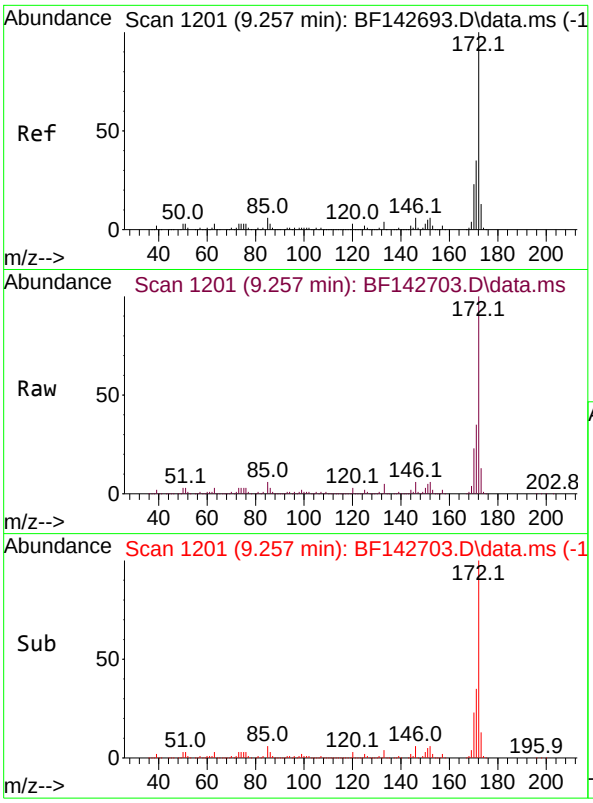


#44
2,4,5-Trichlorophenol
Concen: 45.649 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:196 Resp: 216883

Ion	Ratio	Lower	Upper
196	100		
198	96.5	78.2	117.2
97	49.3	39.2	58.8
132	30.1	23.4	35.2

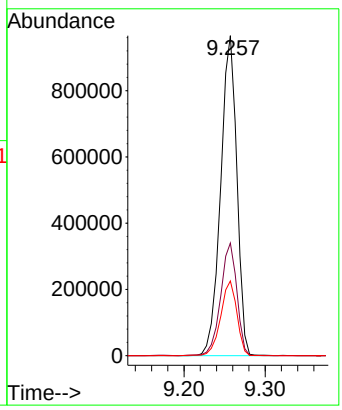




#45
2-Fluorobiphenyl
Concen: 78.290 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:172 Resp: 134290

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.3	18.7	28.1



Instrument :
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ClientSampleId :
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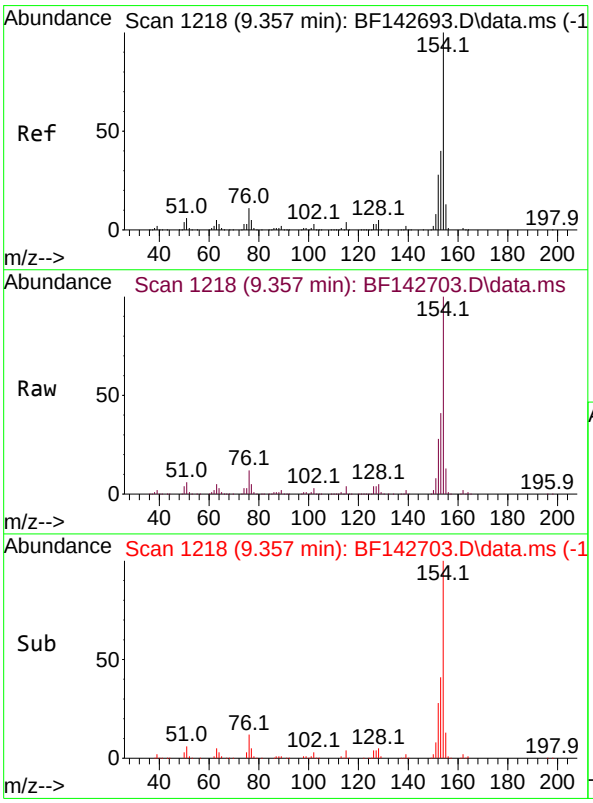
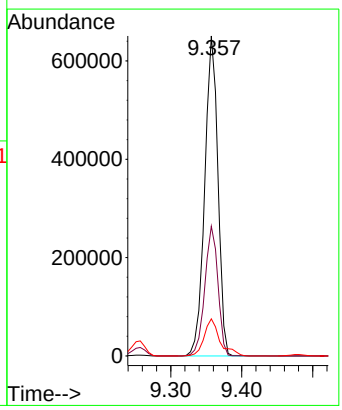
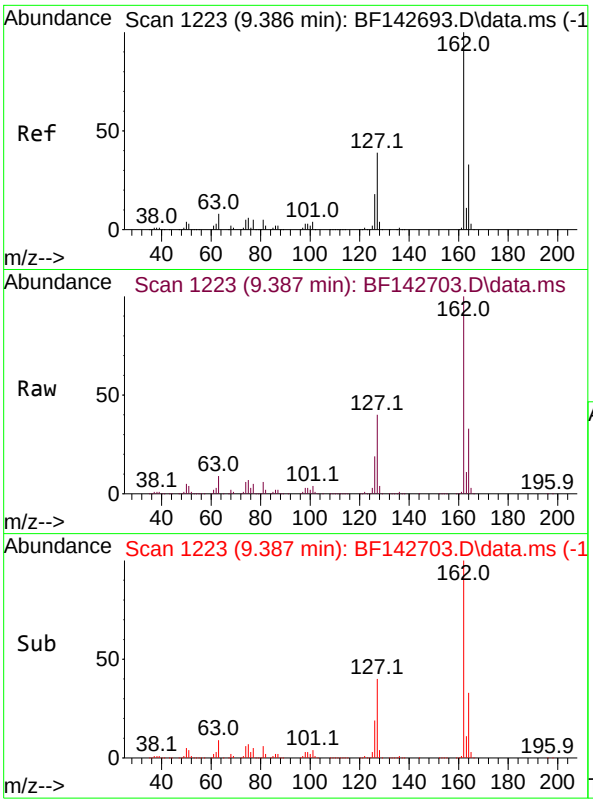


#46
1,1'-Biphenyl
Concen: 46.211 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:154 Resp: 842922

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	11.6	0.0	31.4

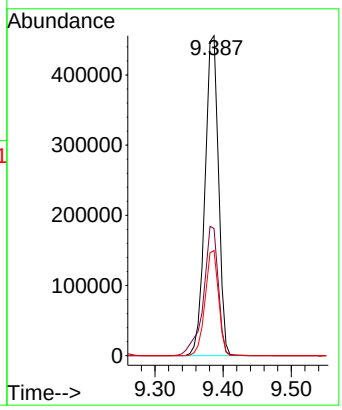




#47
2-Chloronaphthalene
Concen: 45.997 ng
RT: 9.387 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:162 Resp: 62865

Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.7	47.5
164	32.9	26.2	39.4



Instrument :
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ClientSampleId :
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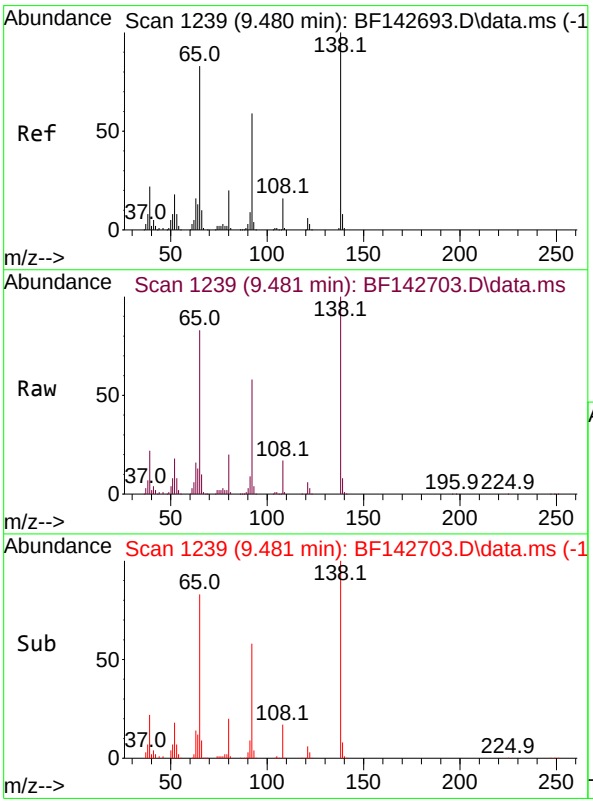
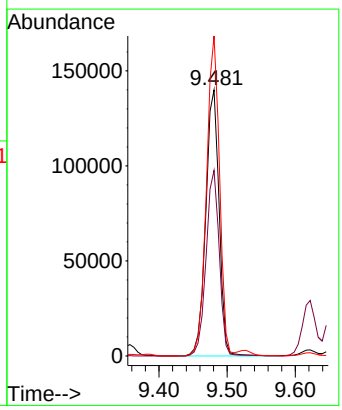
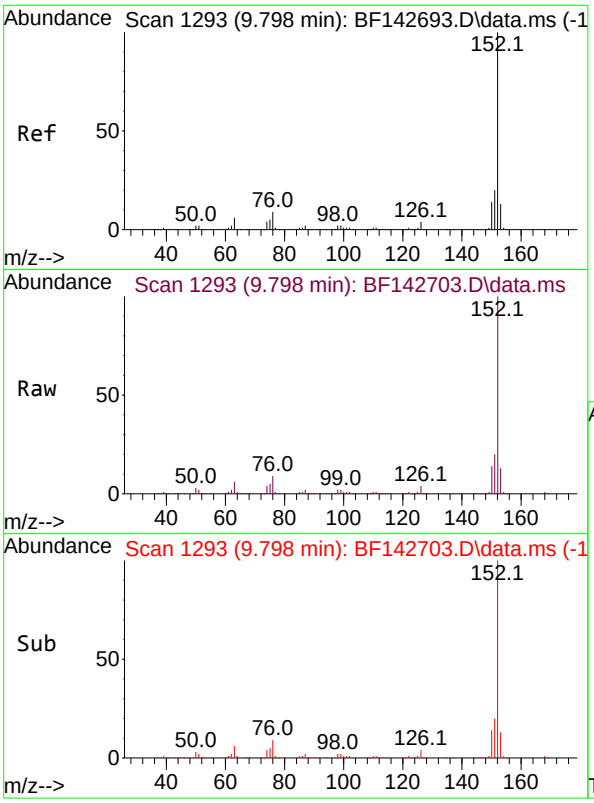


#48
2-Nitroaniline
Concen: 46.920 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 65 Resp: 190828

Ion	Ratio	Lower	Upper
65	100		
92	69.8	56.3	84.5
138	120.2	95.9	143.9

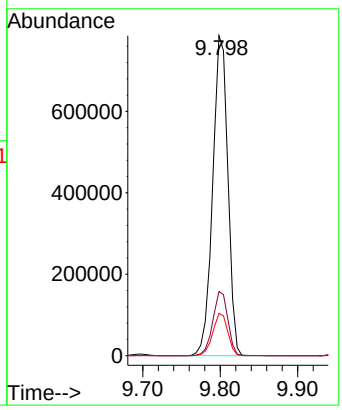




#49
Acenaphthylene
Concen: 47.099 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:152 Resp: 106687

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.5	15.7



Instrument :
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ClientSampleId :
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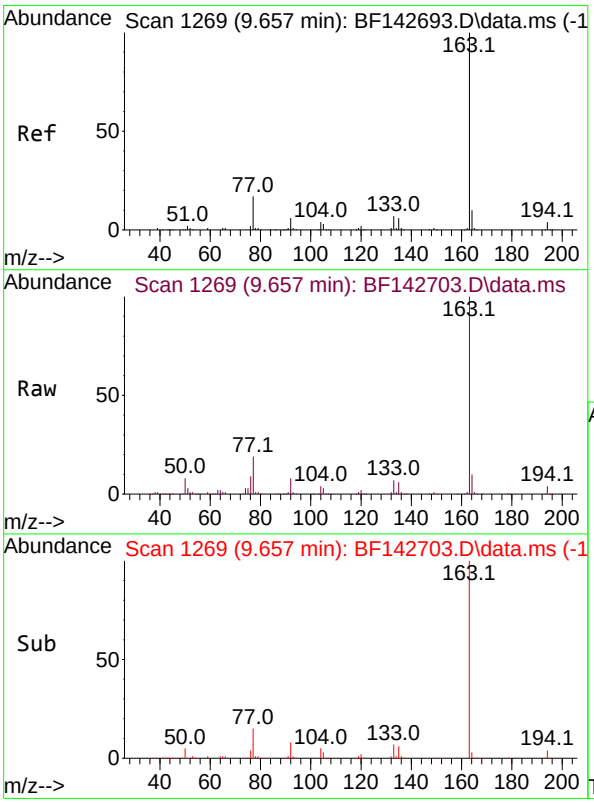
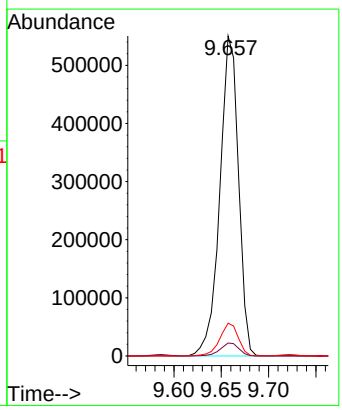
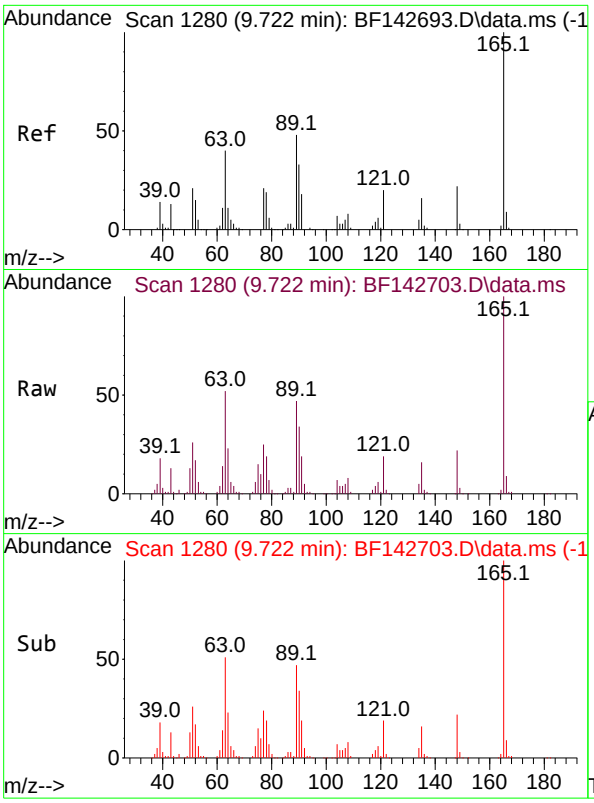


#50
Dimethylphthalate
Concen: 47.881 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:163 Resp: 755695

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 49.298 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:165 Resp: 16831

Ion	Ratio	Lower	Upper
165	100		
63	51.5	41.3	61.9
89	47.3	38.1	57.1

Instrument :
BNA_F
ClientSampleId :
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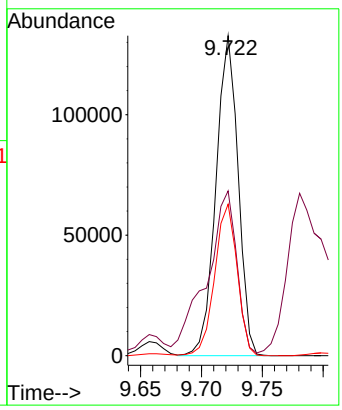
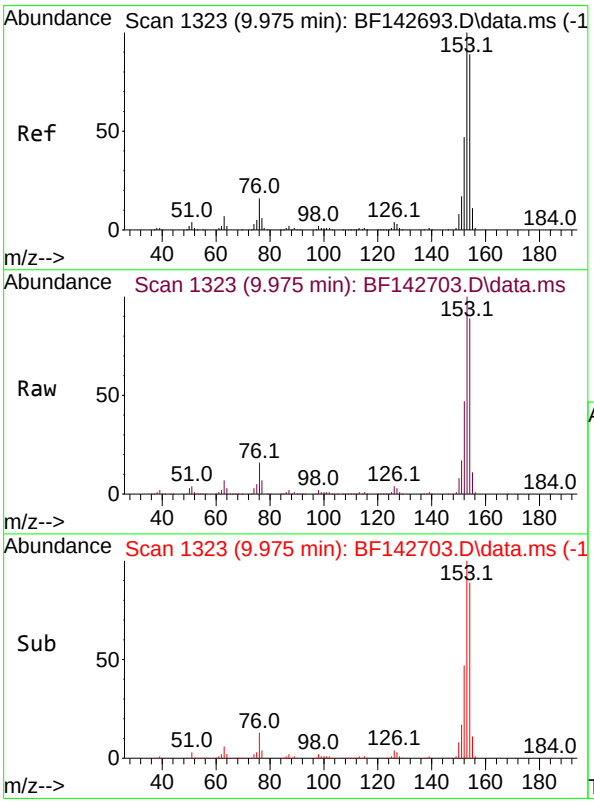
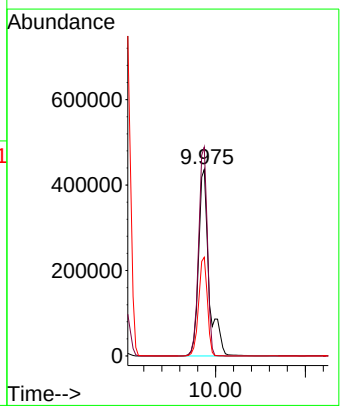


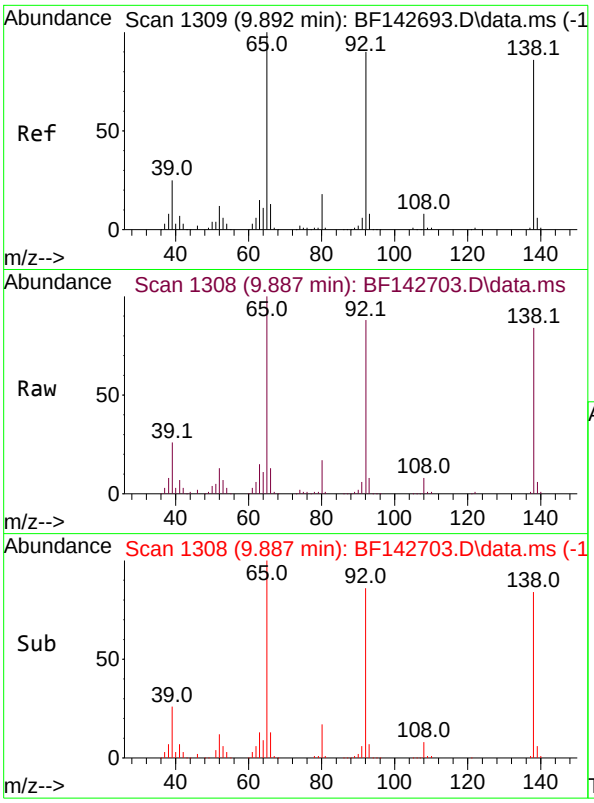


#52
Acenaphthene
Concen: 51.253 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:154 Resp: 710194

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.5	134.3
152	53.0	41.8	62.8

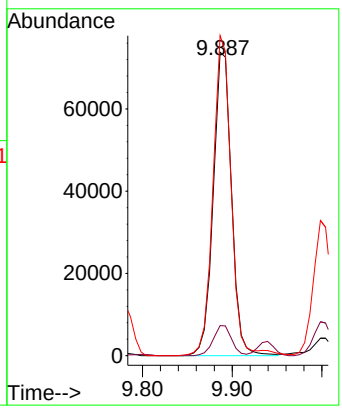




#53
3-Nitroaniline
Concen: 27.249 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:138 Resp: 10453

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.7	11.5
92	105.4	83.4	125.0



Instrument :
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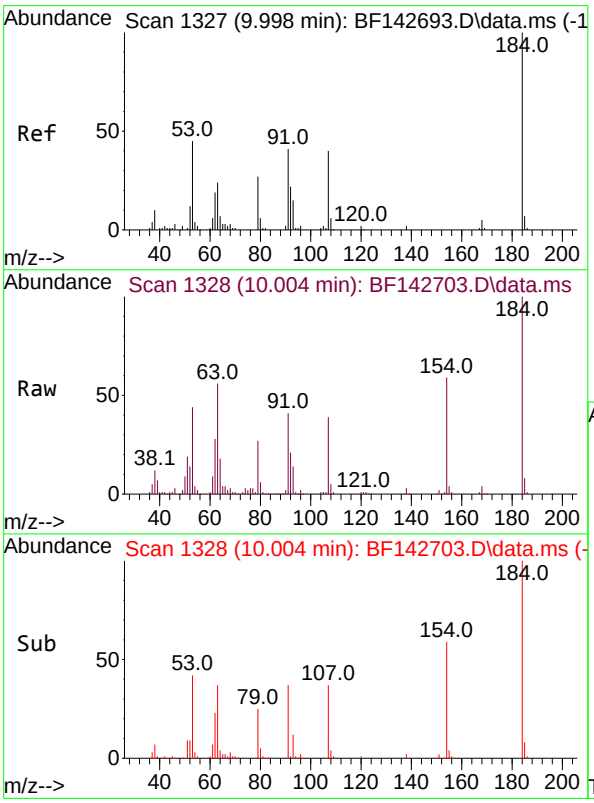
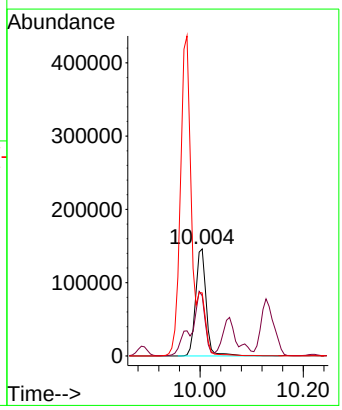
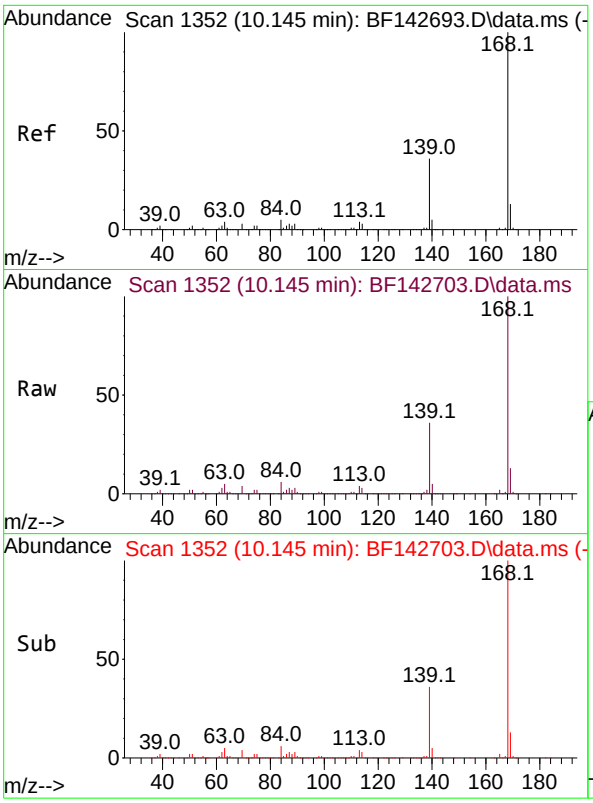


#54
2,4-Dinitrophenol
Concen: 110.393 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:184 Resp: 208671

Ion	Ratio	Lower	Upper
184	100		
63	56.1	47.4	71.0
154	58.9	48.6	73.0

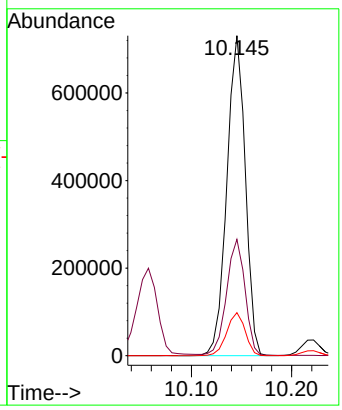




#55
Dibenzofuran
Concen: 47.089 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:168 Resp: 93609

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.2	43.8
169	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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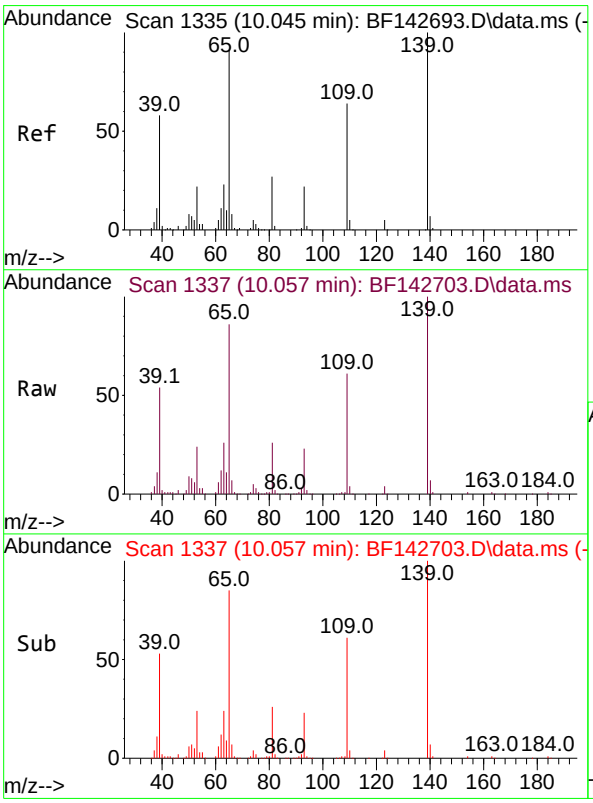
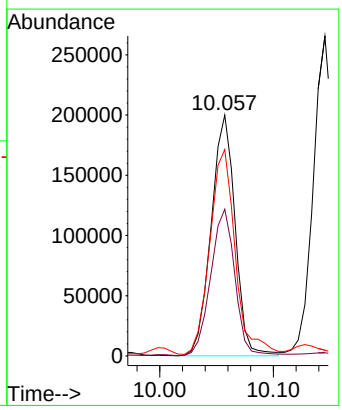
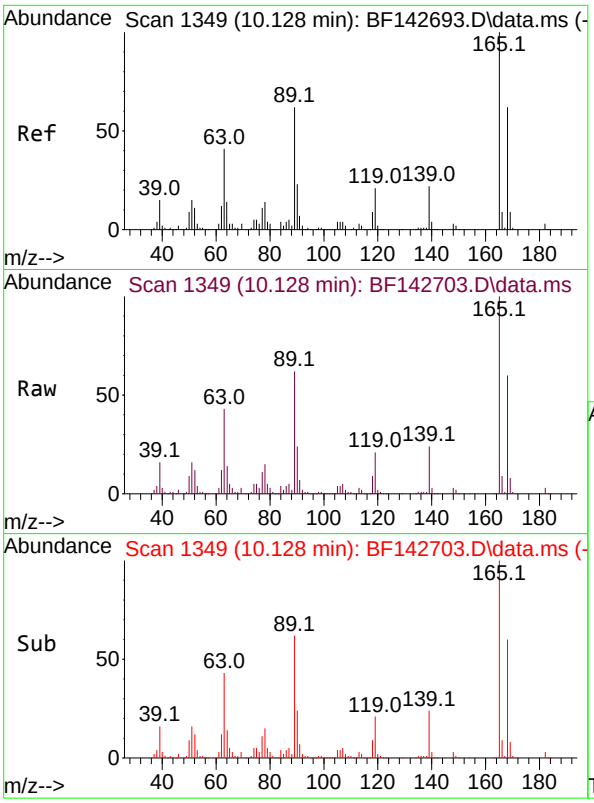


#56
4-Nitrophenol
Concen: 111.243 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:139 Resp: 293333

Ion	Ratio	Lower	Upper
139	100		
109	60.9	44.4	84.4
65	85.7	72.1	112.1

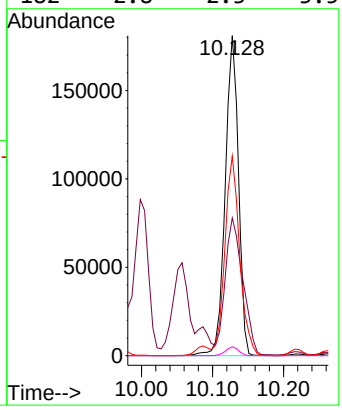




#57
2,4-Dinitrotoluene
Concen: 51.208 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:165 Resp: 23435

Ion	Ratio	Lower	Upper
165	100		
63	43.0	33.6	50.4
89	62.4	49.4	74.0
182	2.8	2.3	3.5



Instrument :
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ClientSampleId :
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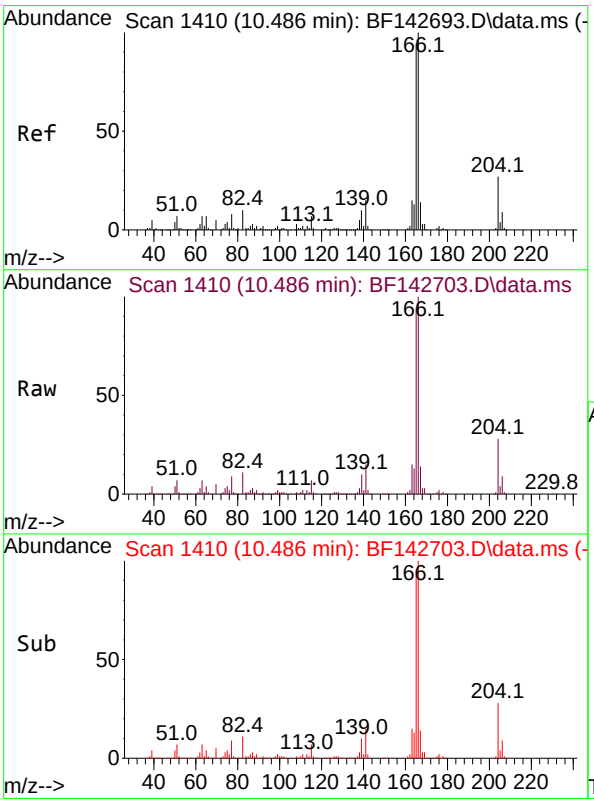
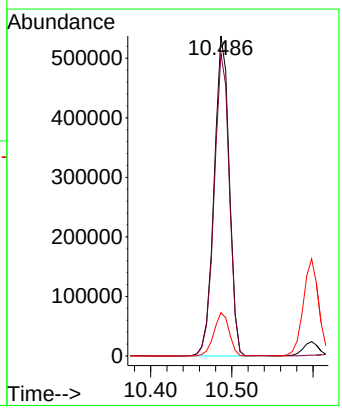
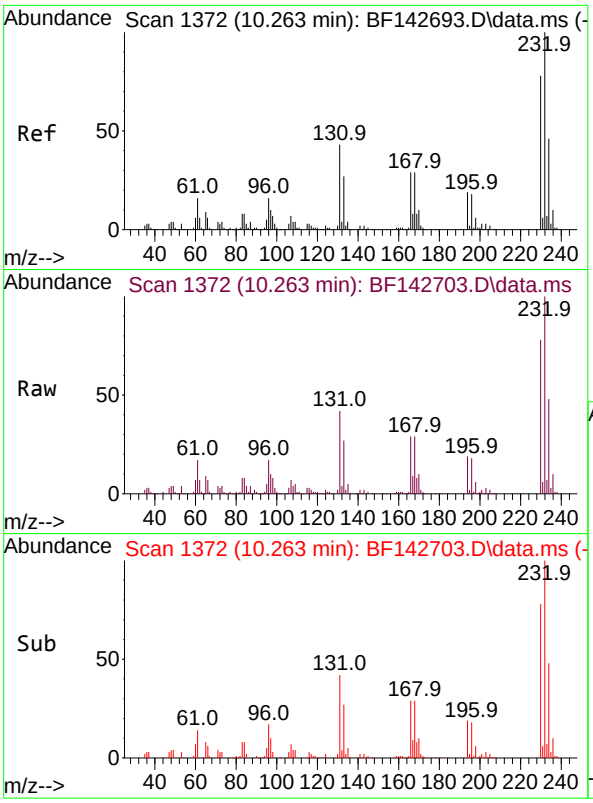


#58
Fluorene
Concen: 43.943 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:166 Resp: 698219

Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.0	112.6
167	13.5	10.8	16.2

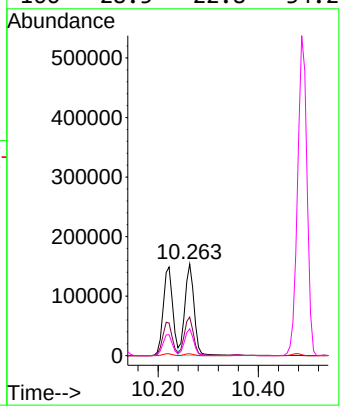




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.784 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:232 Resp: 19903

Ion	Ratio	Lower	Upper
232	100		
131	41.9	33.5	50.3
130	2.2	1.5	2.3
166	28.5	22.8	34.2



Instrument :
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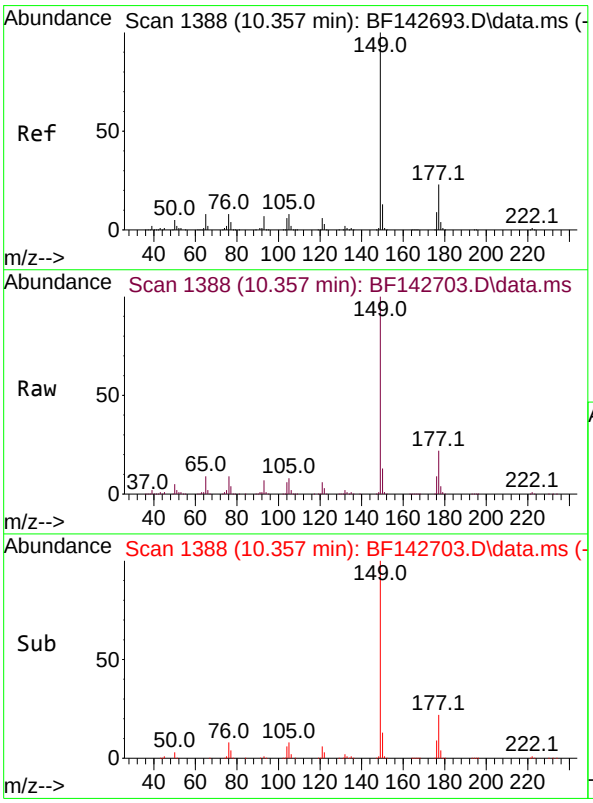
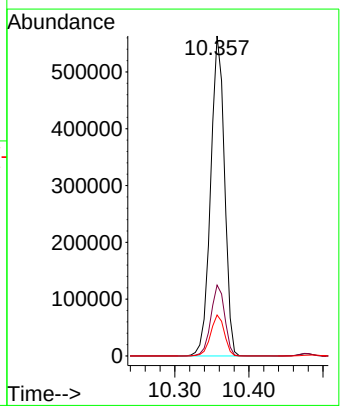
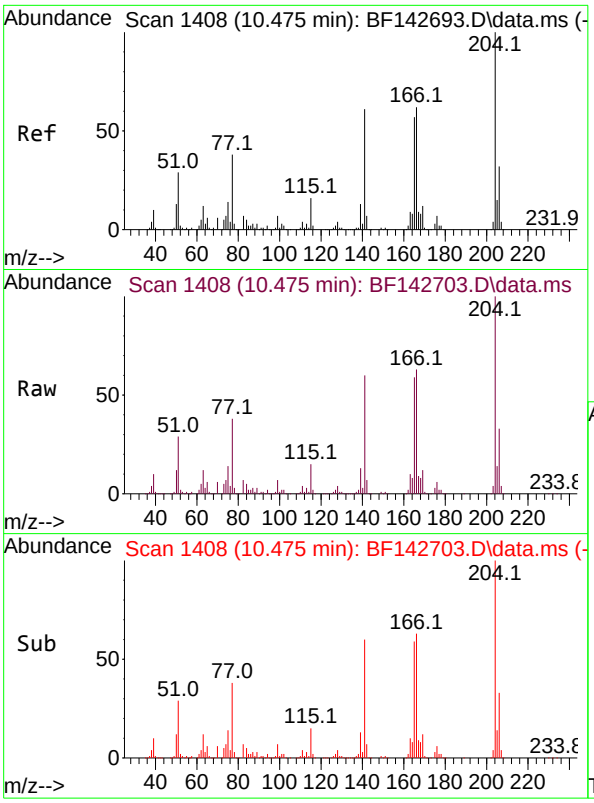


#60
Diethylphthalate
Concen: 47.740 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 731481

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.8	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 46.831 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:204 Resp: 35181

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	60.1	48.9	73.3

Instrument :
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ClientSampleId :
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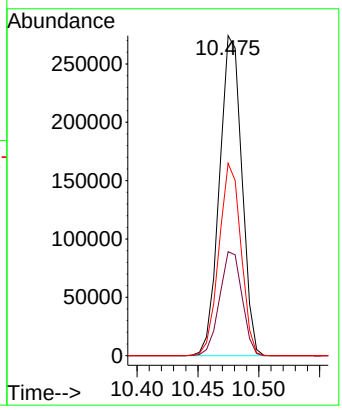
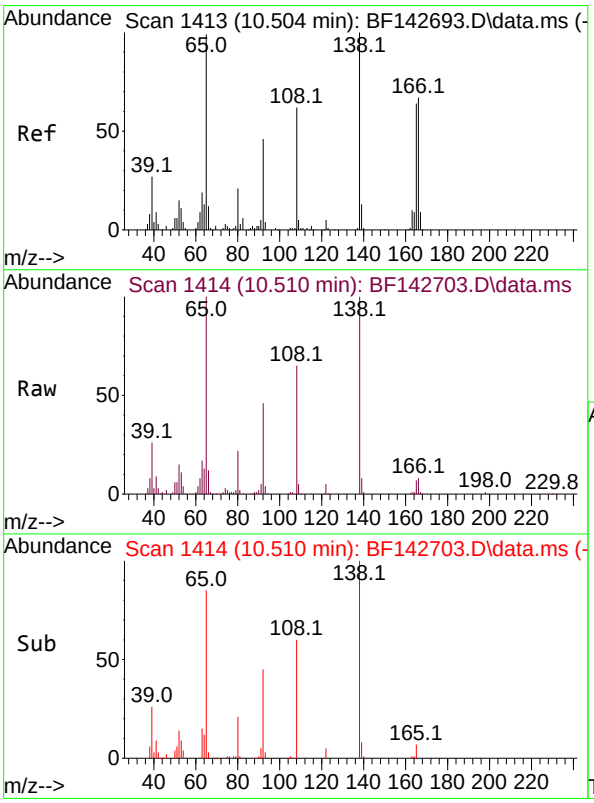
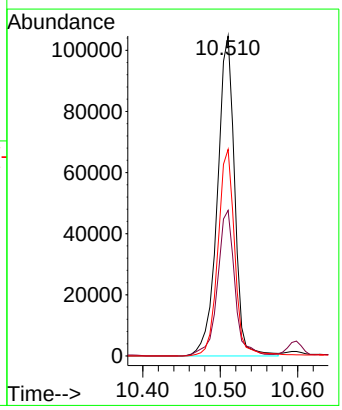


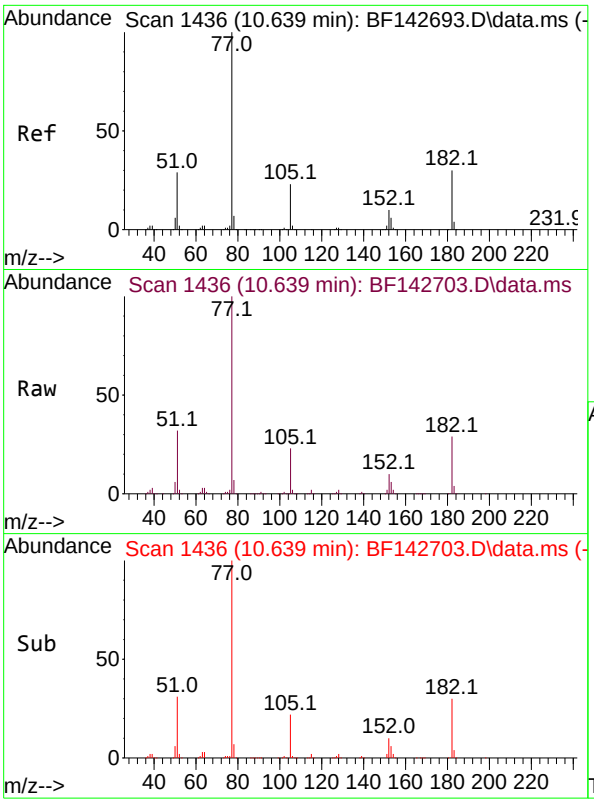


#62
4-Nitroaniline
Concen: 44.521 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:138 Resp: 162018

Ion	Ratio	Lower	Upper
138	100		
92	45.5	25.8	65.8
108	64.5	42.3	82.3

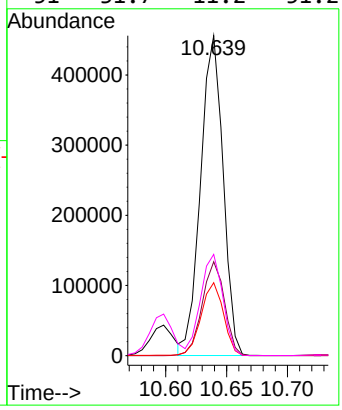




#63
Azobenzene
Concen: 42.653 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 77 Resp: 58542

Ion	Ratio	Lower	Upper
77	100		
182	29.3	9.5	49.5
105	22.8	2.3	42.3
51	31.7	11.2	51.2



Instrument :
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ClientSampleId :
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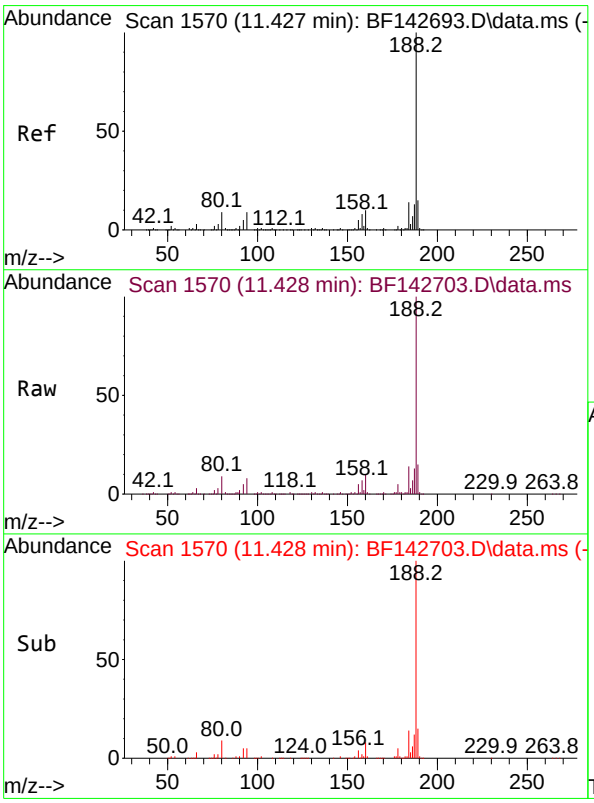
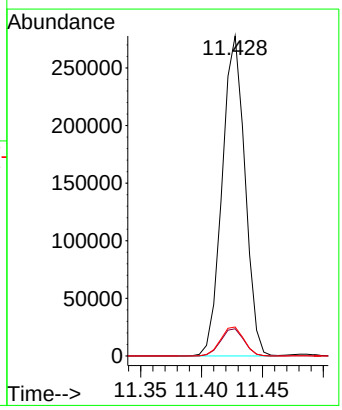
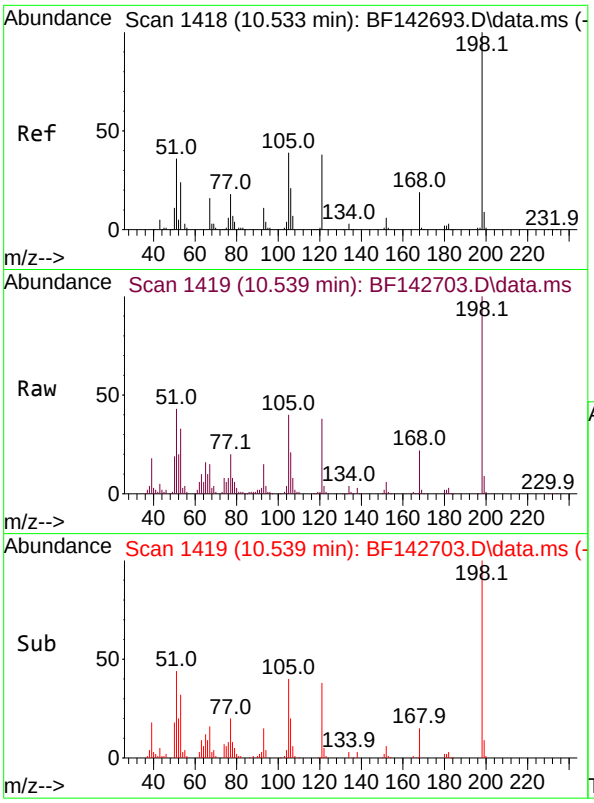


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:188 Resp: 361738

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.4
80	9.1	7.2	10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 52.260 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:198 Resp: 12057

Ion	Ratio	Lower	Upper
198	100		
51	43.3	25.9	65.9
105	39.8	20.0	60.0

Instrument :
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ClientSampleId :
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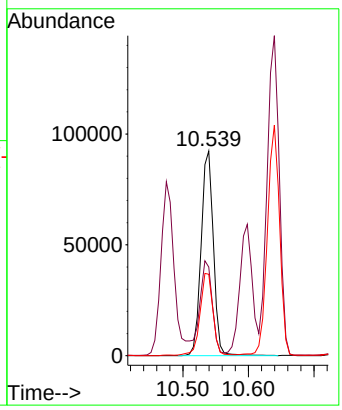
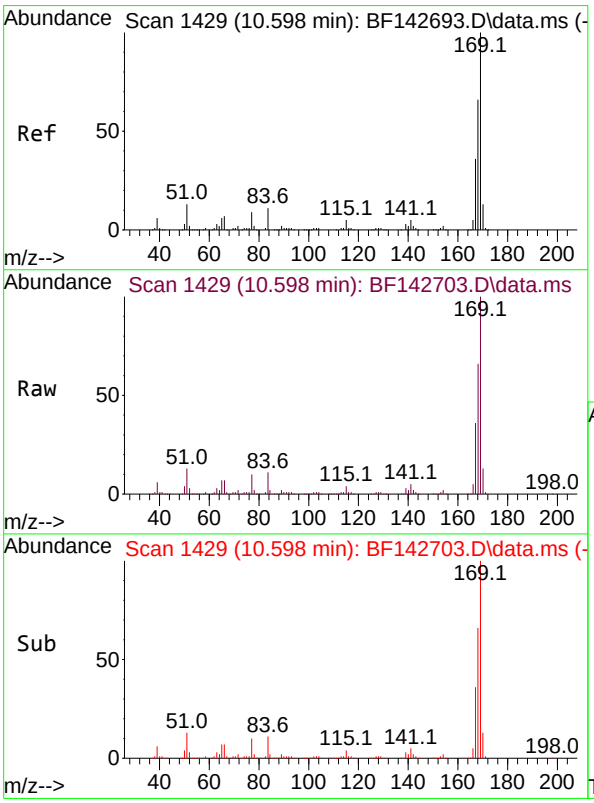
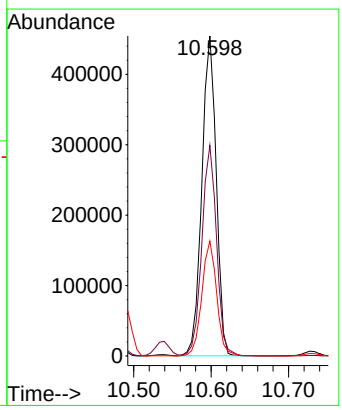


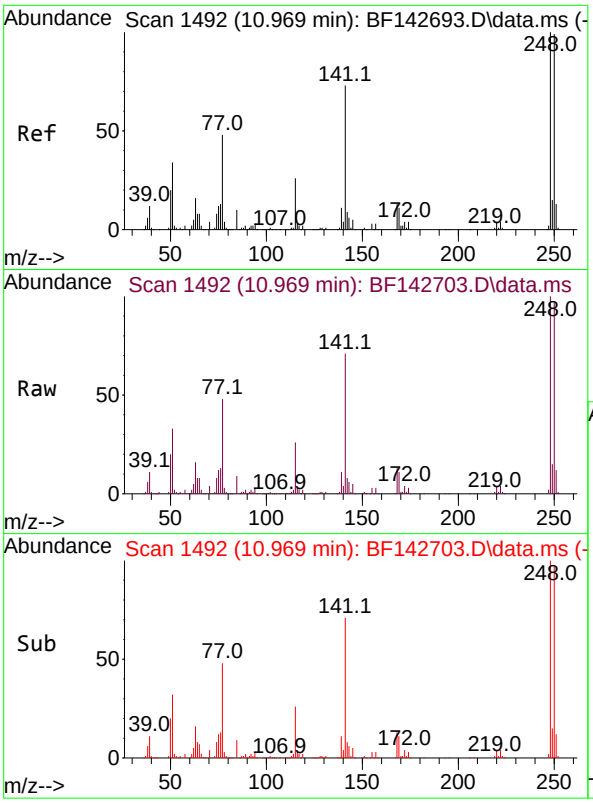


#66
n-Nitrosodiphenylamine
Concen: 50.131 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:169 Resp: 585501

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.1	79.7
167	35.9	28.4	42.6

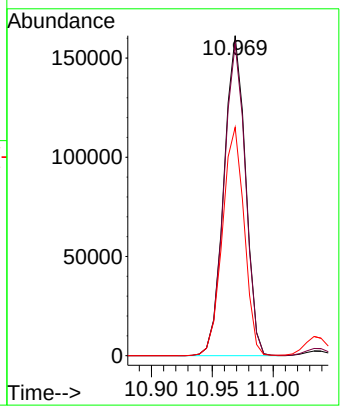




#67
4-Bromophenyl-phenylether
Concen: 49.738 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:248 Resp: 19886

Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.1	118.7
141	71.4	58.5	87.7



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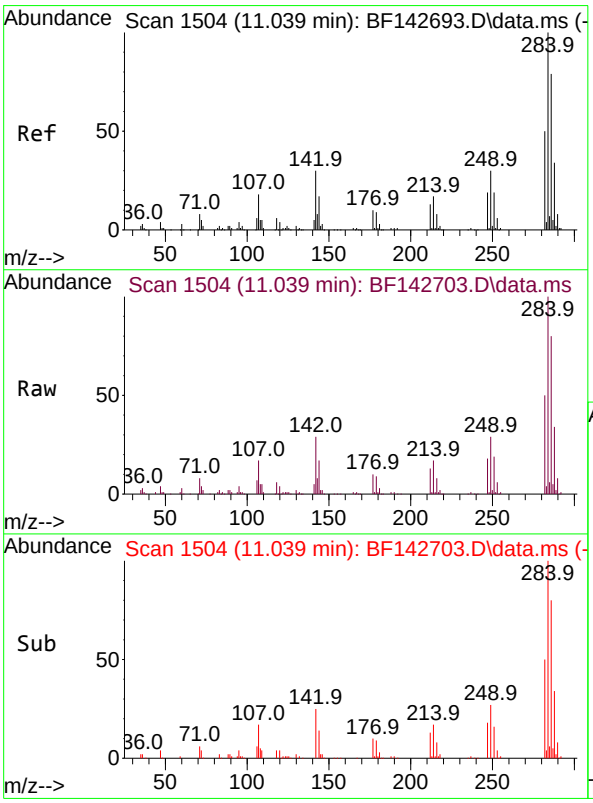
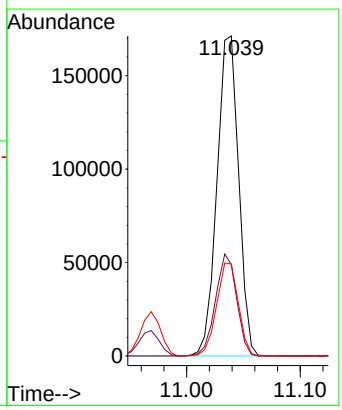
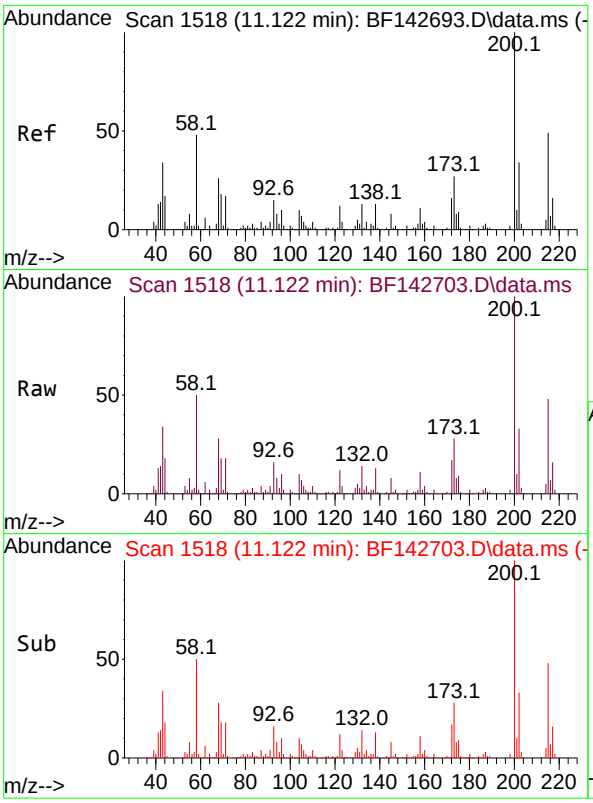


#68
Hexachlorobenzene
Concen: 49.413 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:284 Resp: 227017

Ion	Ratio	Lower	Upper
284	100		
142	28.5	23.6	35.4
249	28.8	23.8	35.8

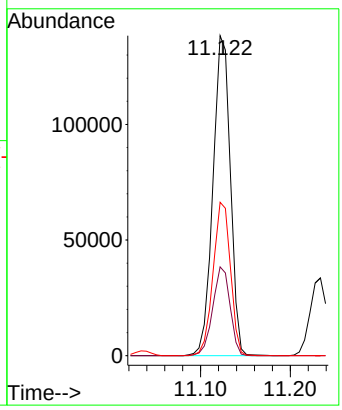




#69
Atrazine
Concen: 52.600 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:200 Resp: 18630

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	48.0	28.9	68.9



Instrument :
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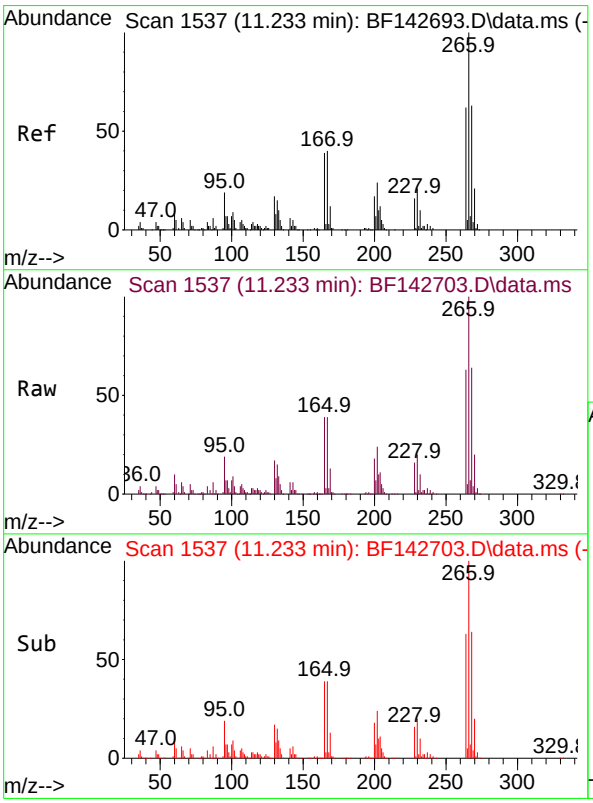
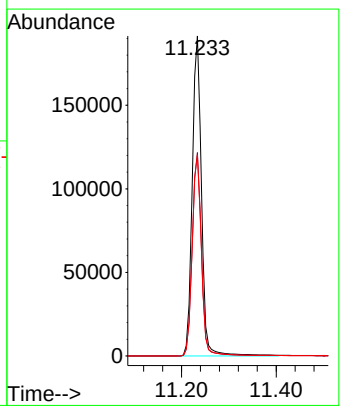
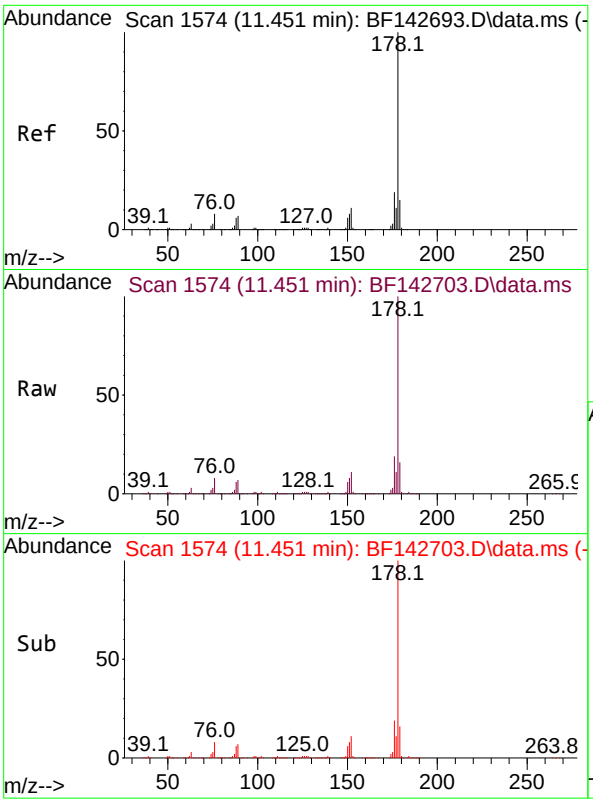


#70
Pentachlorophenol
Concen: 103.055 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:266 Resp: 260373

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.8	76.2
264	62.9	49.7	74.5

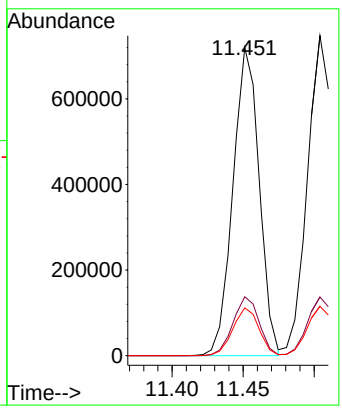




#71
Phenanthrene
Concen: 47.923 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:178 Resp: 92676

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.5	12.4	18.6



Instrument :
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ClientSampleId :
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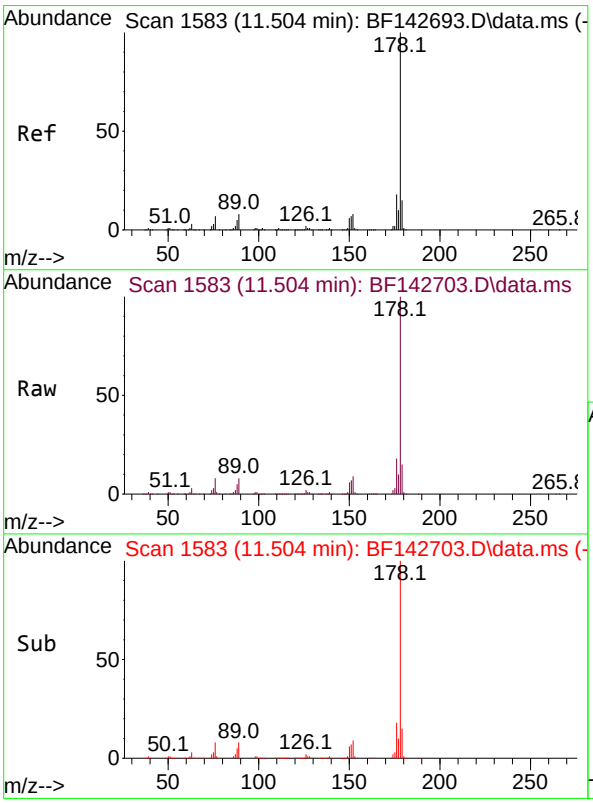
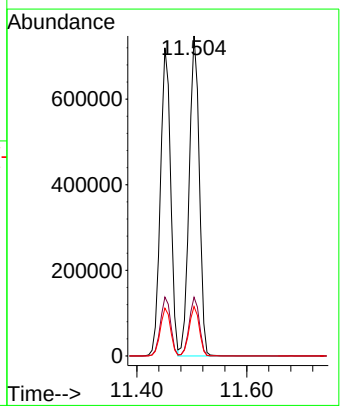
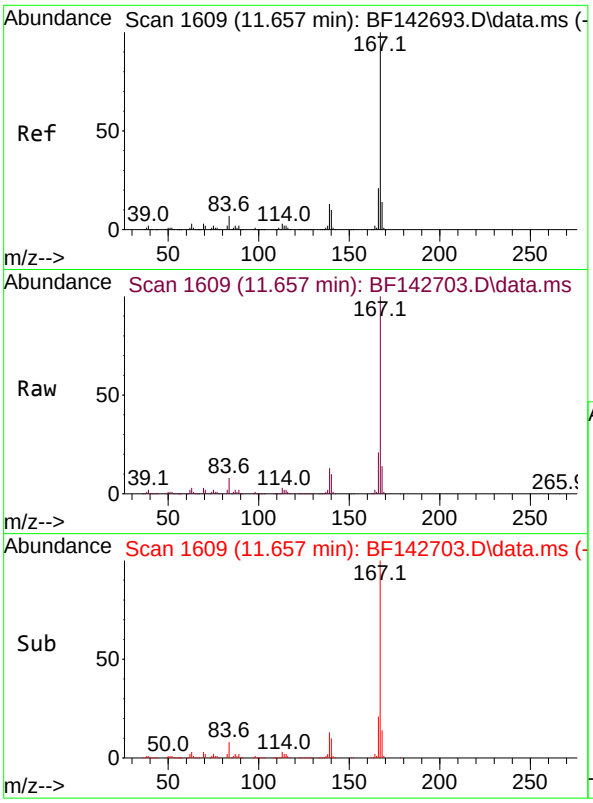


#72
Anthracene
Concen: 47.541 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:178 Resp: 954092

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.2	18.2

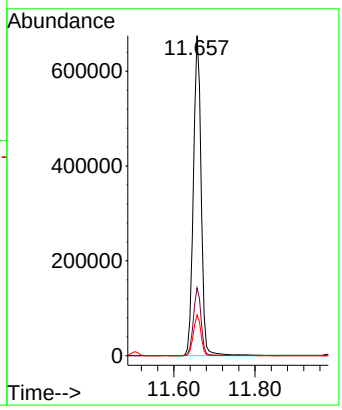




#73
Carbazole
Concen: 49.986 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:167 Resp: 90331

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.7	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
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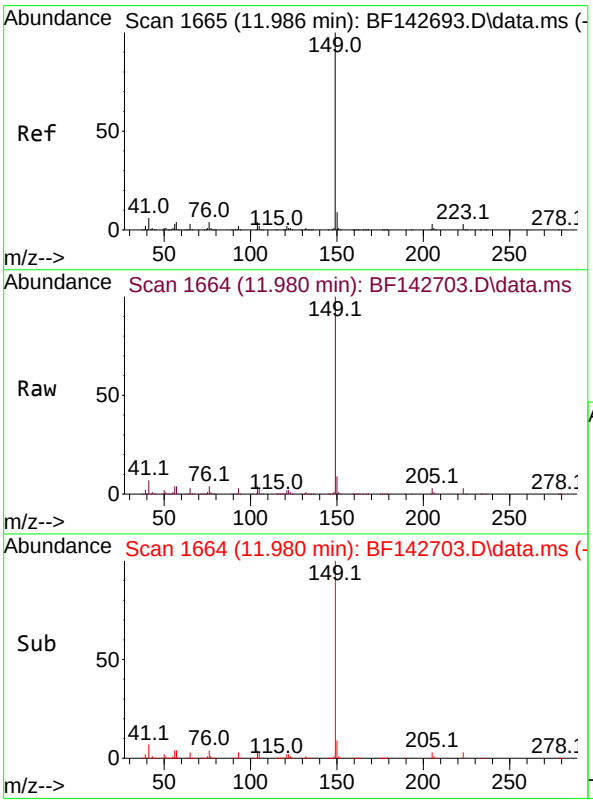
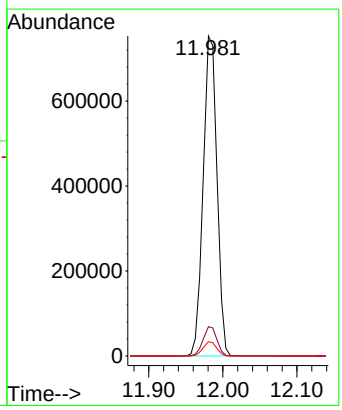
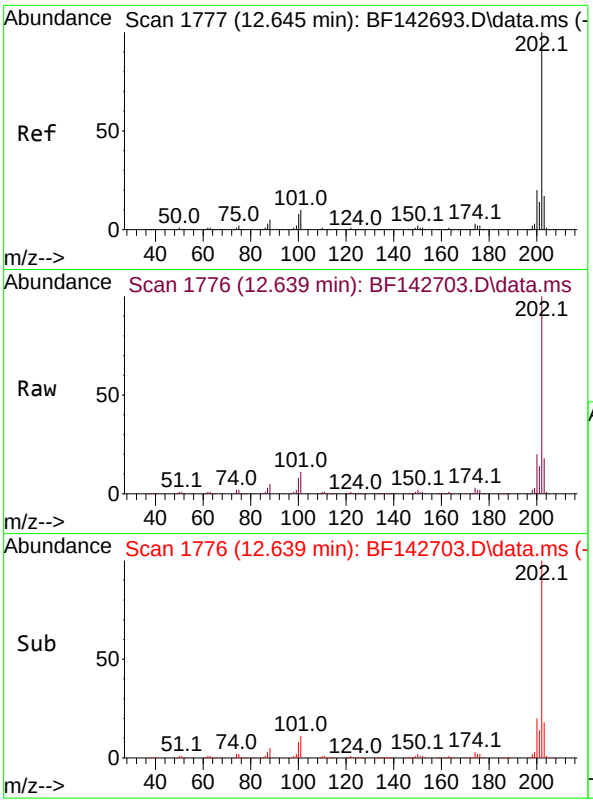


#74
Di-n-butylphthalate
Concen: 50.939 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 977260

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.3	4.9

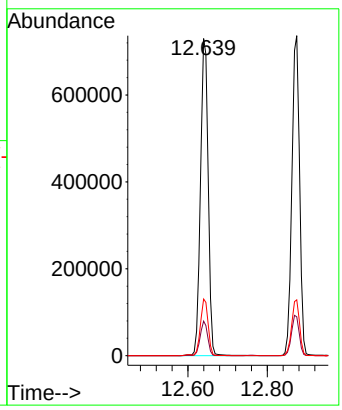




#75
Fluoranthene
Concen: 50.634 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:202 Resp: 98106

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.2
203	17.9	0.0	37.3



Instrument :
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ClientSampleId :
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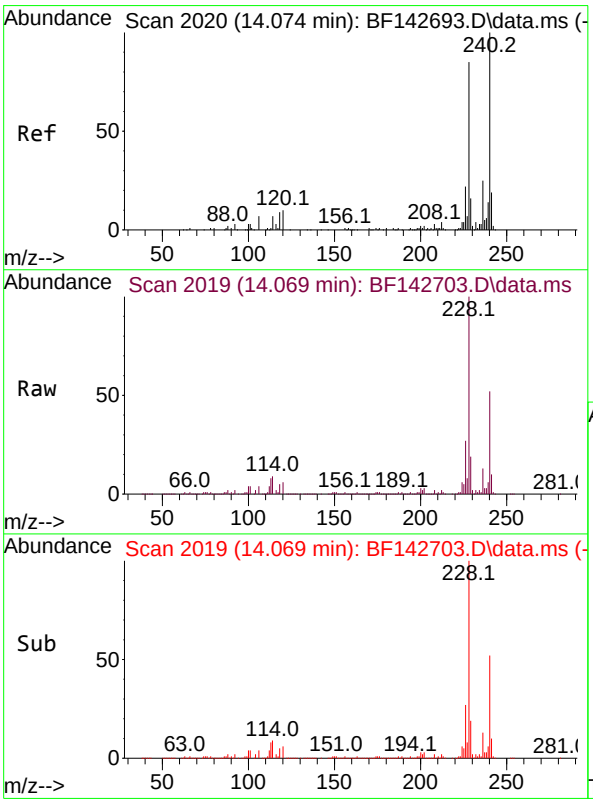
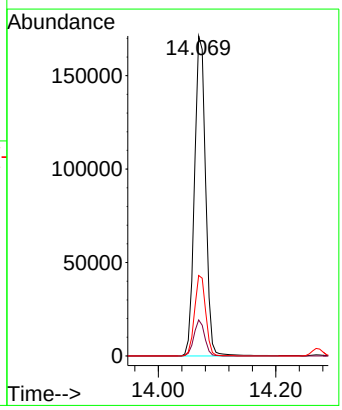
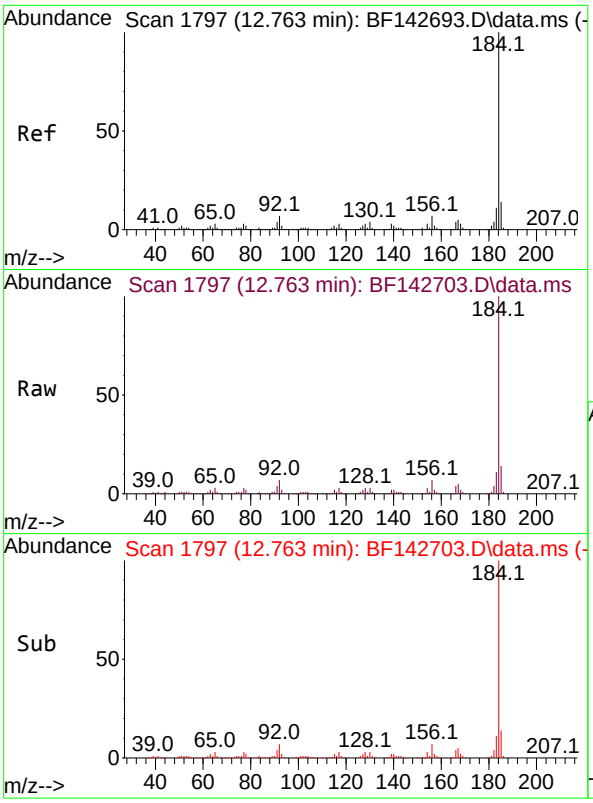


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:240 Resp: 224252

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	25.2	20.2	30.2

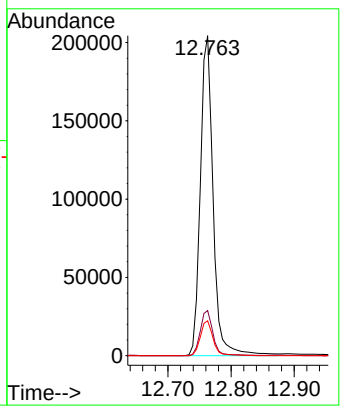




#77
Benzidine
Concen: 37.279 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:184 Resp: 28852

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	10.9	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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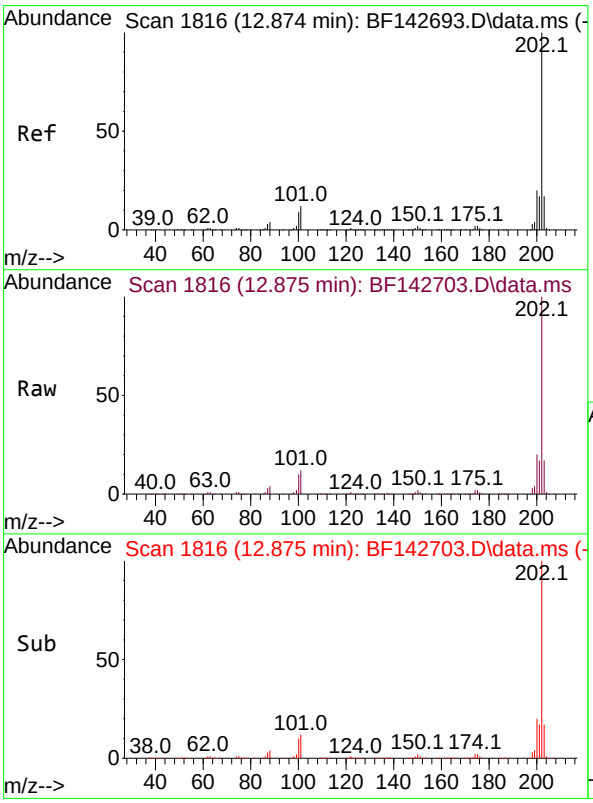
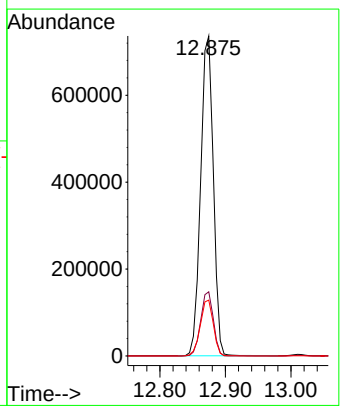
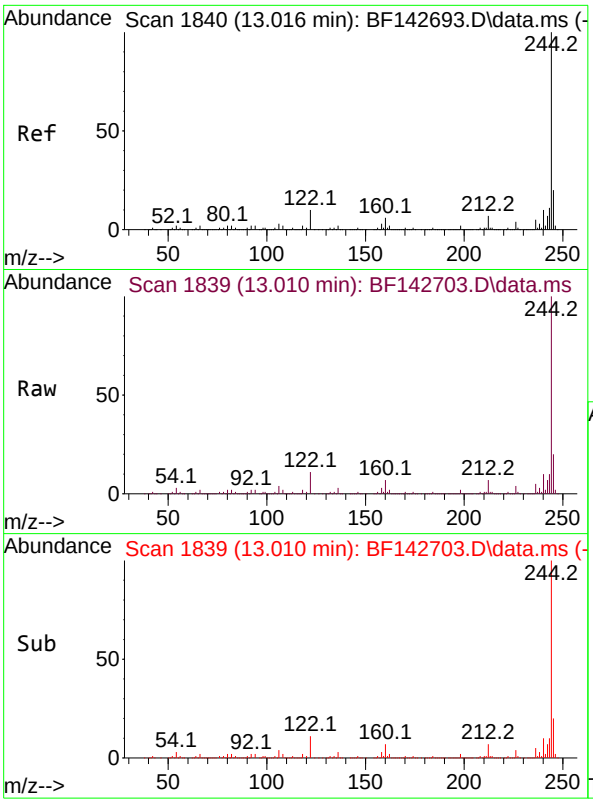


#78
Pyrene
Concen: 54.407 ng
RT: 12.875 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:202 Resp: 994180

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.5	13.9	20.9

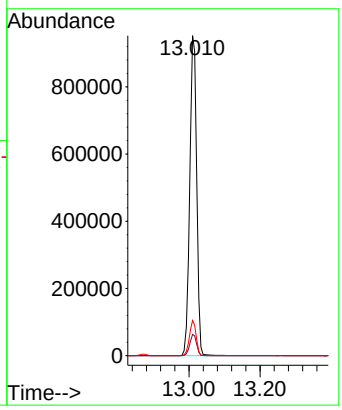




#79
Terphenyl-d14
Concen: 90.810 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:244 Resp: 128764

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.0	8.2	12.2



Instrument :
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ClientSampleId :
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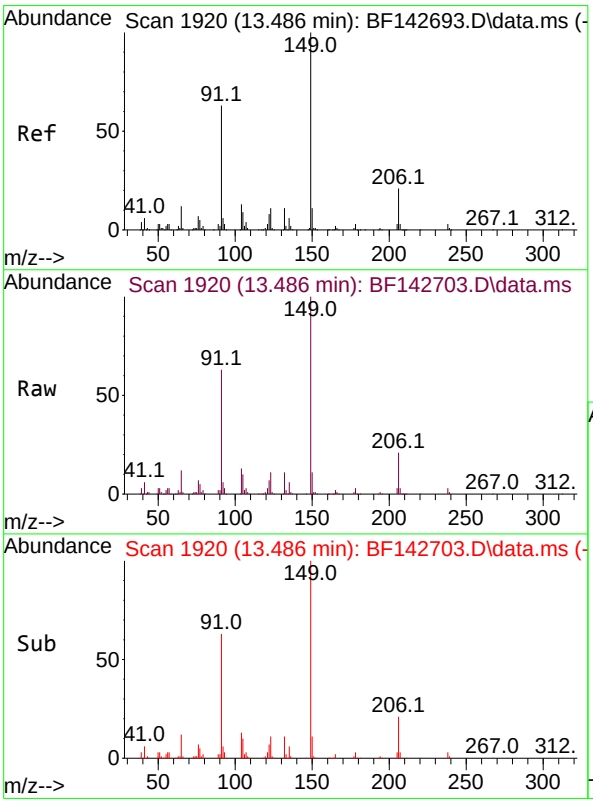
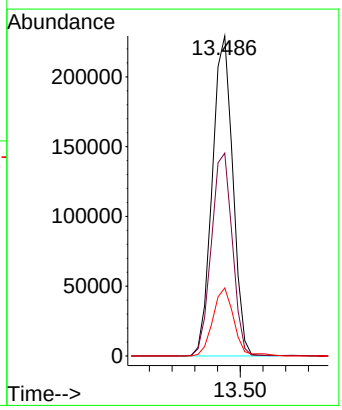
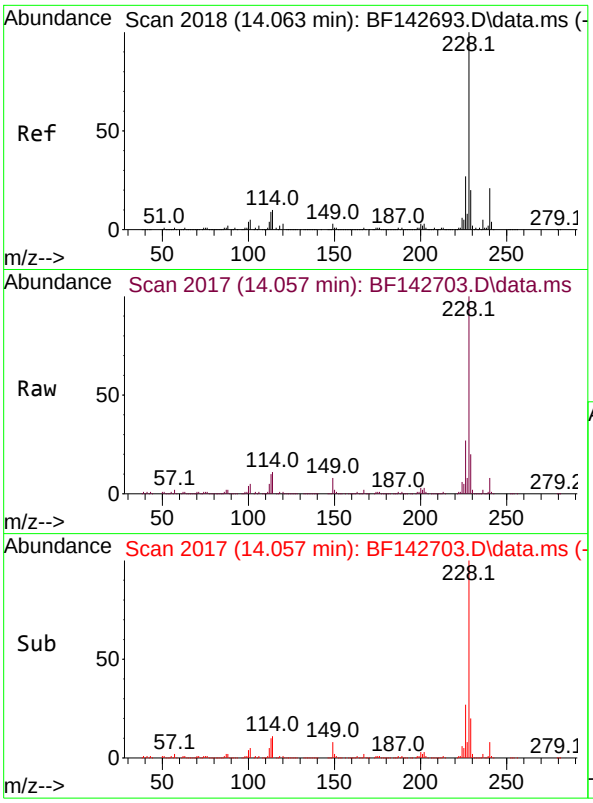


#80
Butylbenzylphthalate
Concen: 51.251 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 288402

Ion	Ratio	Lower	Upper
149	100		
91	63.4	50.5	75.7
206	21.3	16.9	25.3

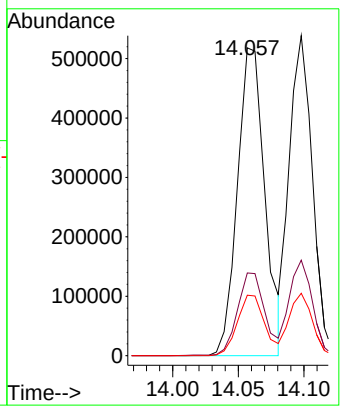




#81
Benzo(a)anthracene
Concen: 51.928 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:228 Resp: 75574

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.7	15.8	23.6



Instrument :
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ClientSampleId :
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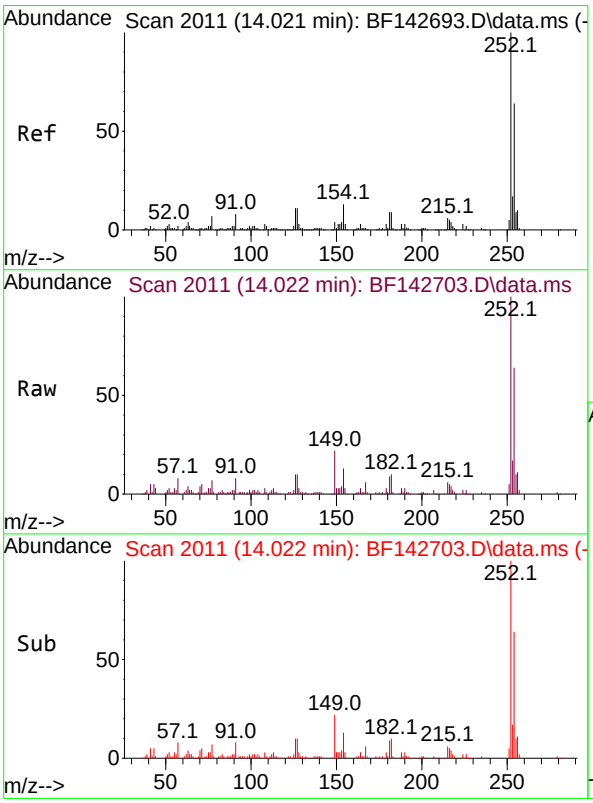
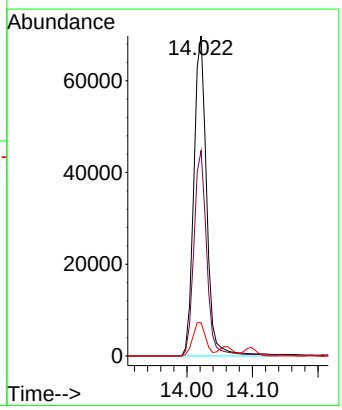
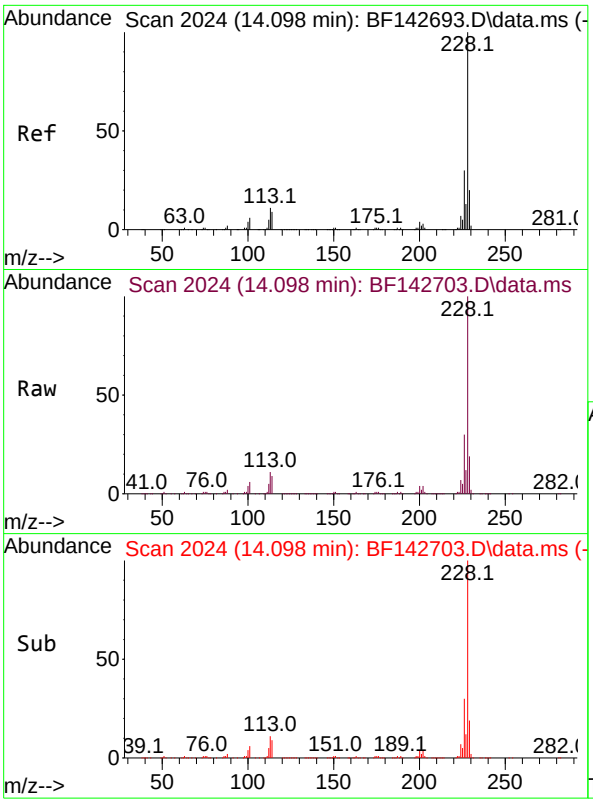


#82
3,3'-Dichlorobenzidine
Concen: 20.485 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 95297

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.4	77.2
126	10.4	9.1	13.7





#83
Chrysene
Concen: 48.511 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

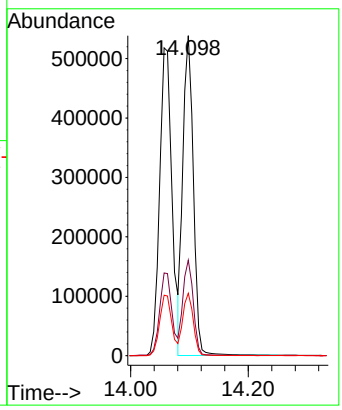
Tgt Ion:228 Resp: 66873

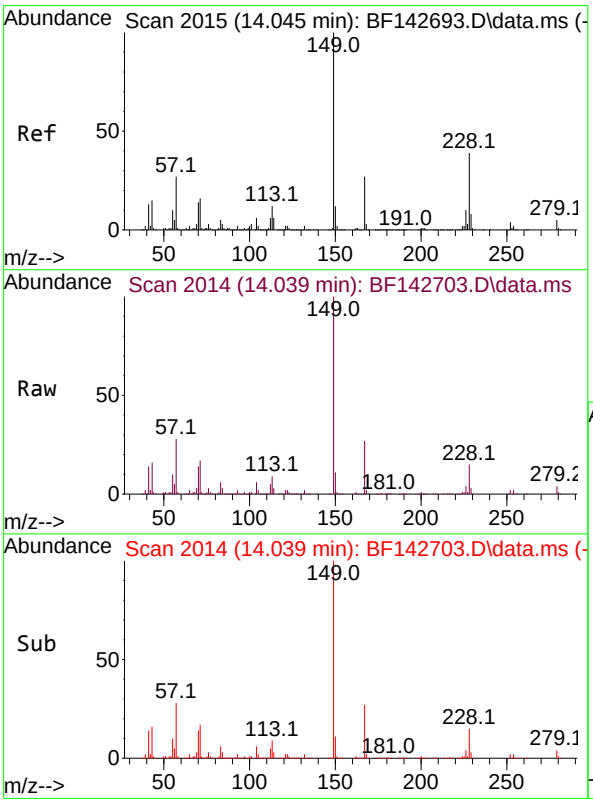
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.5	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/11/2025

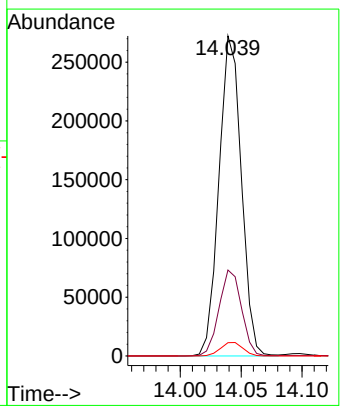


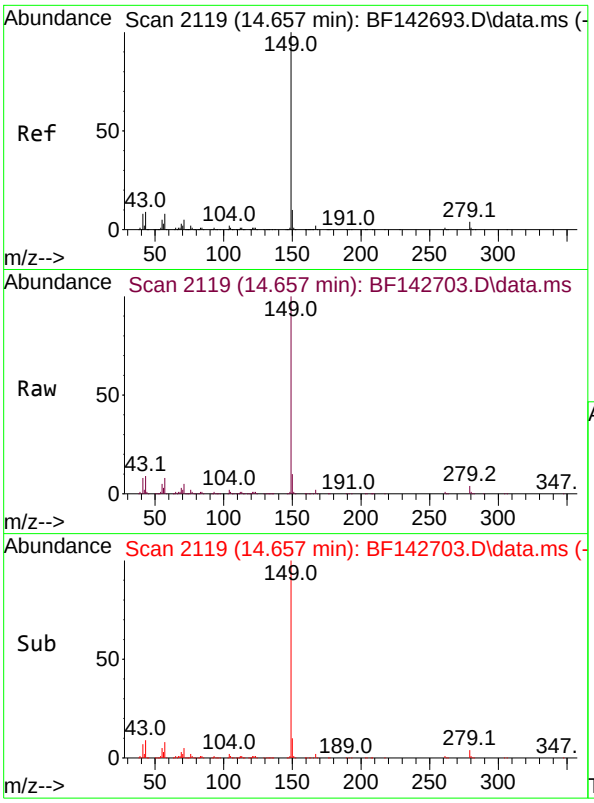


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.219 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 348342

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.9	32.9
279	4.2	3.6	5.4

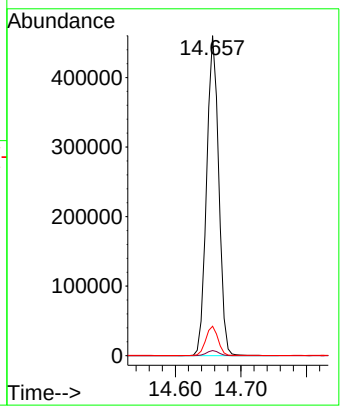




#85
Di-n-octyl phthalate
Concen: 47.404 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 59234

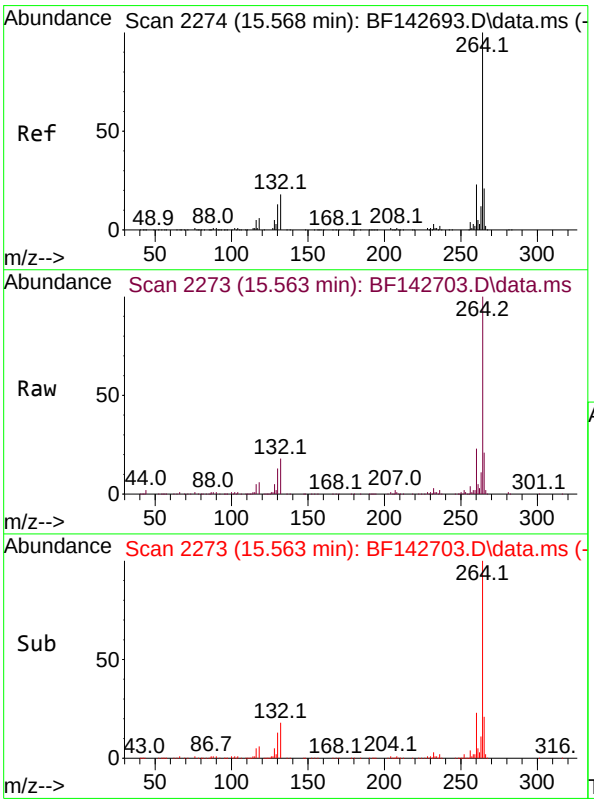
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.2	7.5	11.3



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
APPROVED

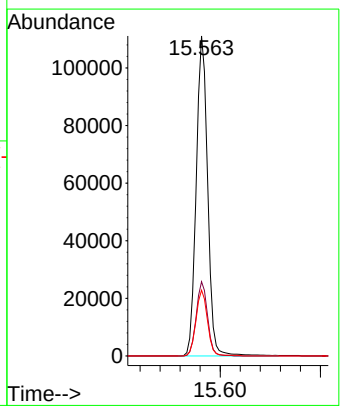
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/11/2025

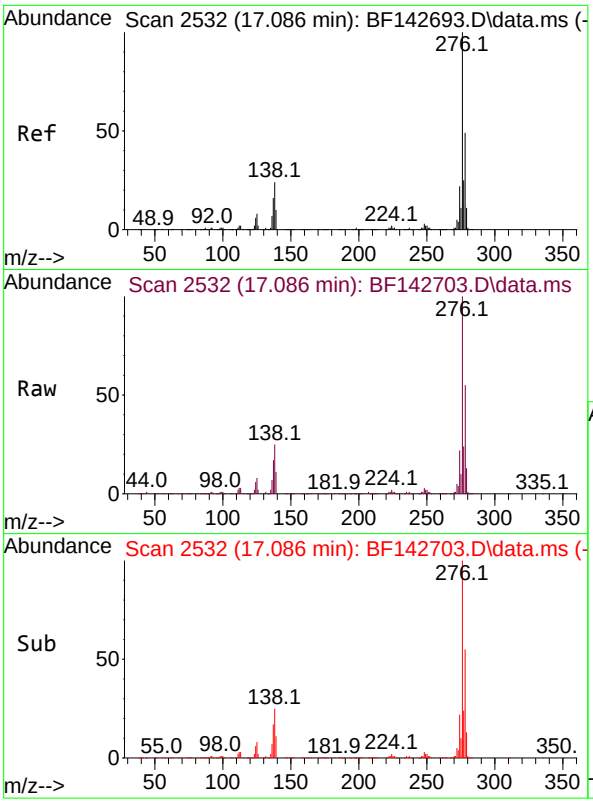


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:264 Resp: 175871

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	20.5	17.0	25.4

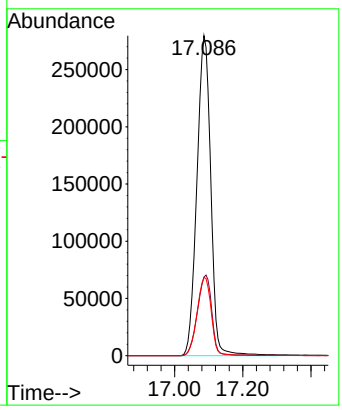




#87
Indeno(1,2,3-cd)pyrene
Concen: 63.481 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:276 Resp: 78973

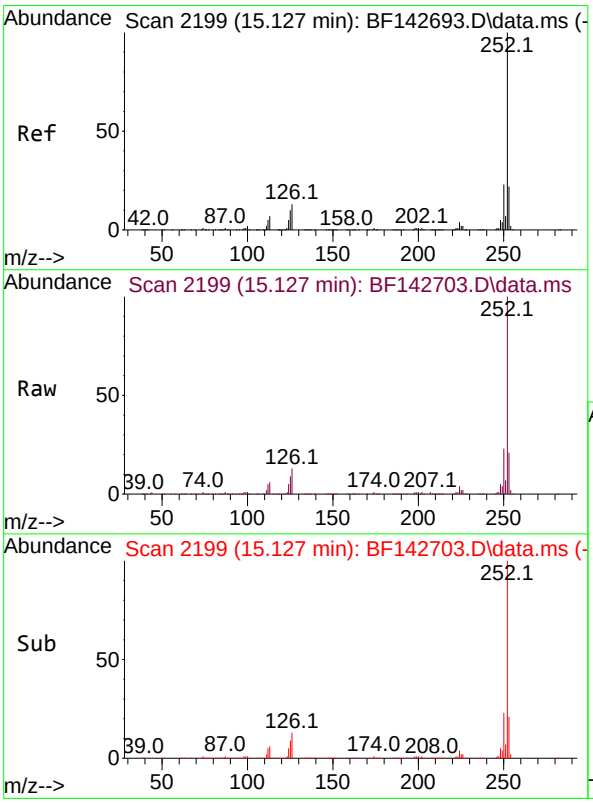
Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.8	31.2
277	25.1	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
APPROVED

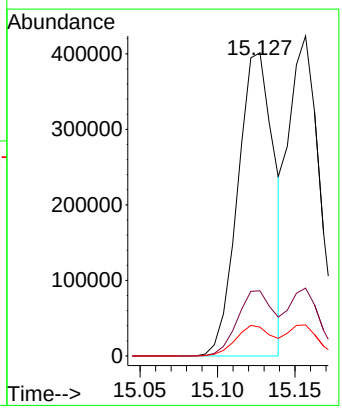
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/11/2025

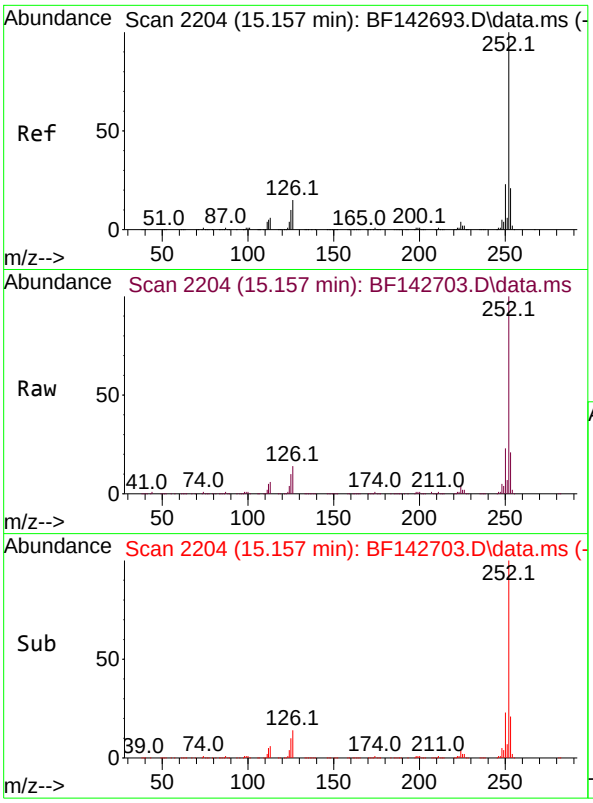


#88
Benzo(b)fluoranthene
Concen: 62.011 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 651571

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	9.5	7.8	11.8

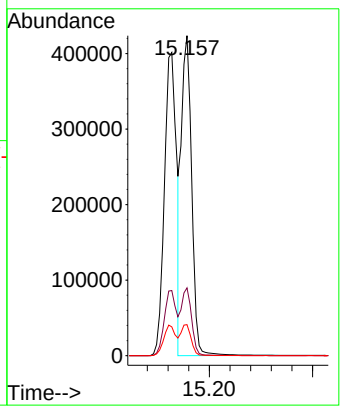




#89
Benzo(k)fluoranthene
Concen: 59.587 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 58917

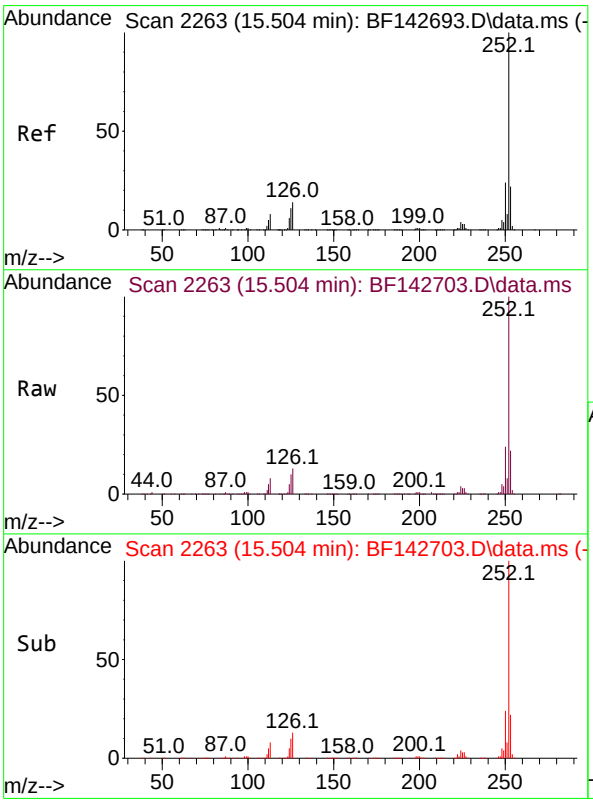
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	9.7	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations
APPROVED

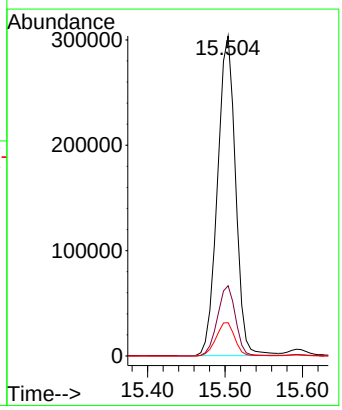
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/11/2025

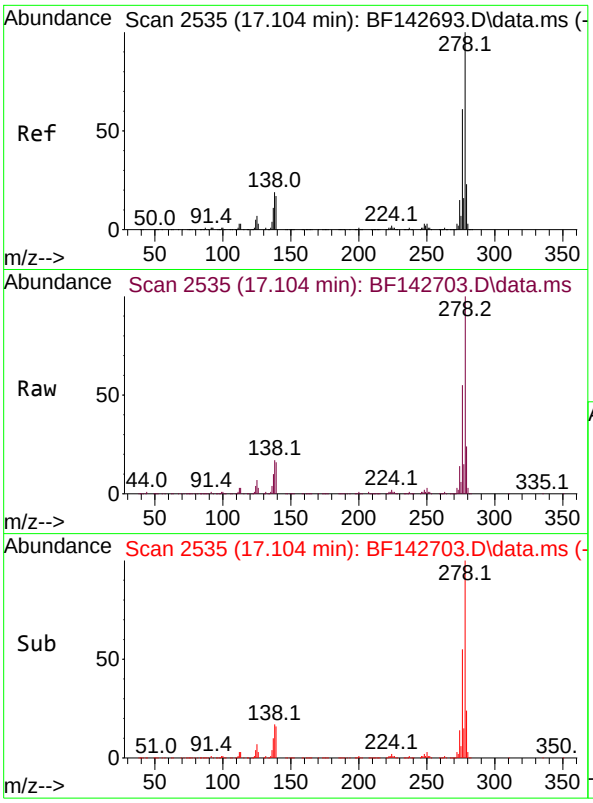


#90
Benzo(a)pyrene
Concen: 50.007 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 492373

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.4	8.8	13.2

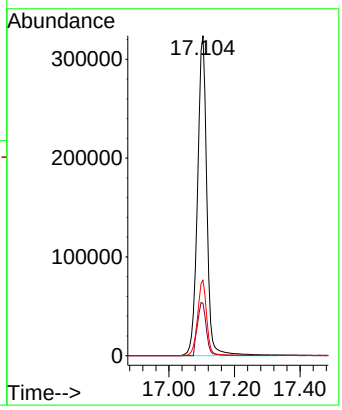




#91
Dibenzo(a,h)anthracene
Concen: 64.156 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:278 Resp: 64249

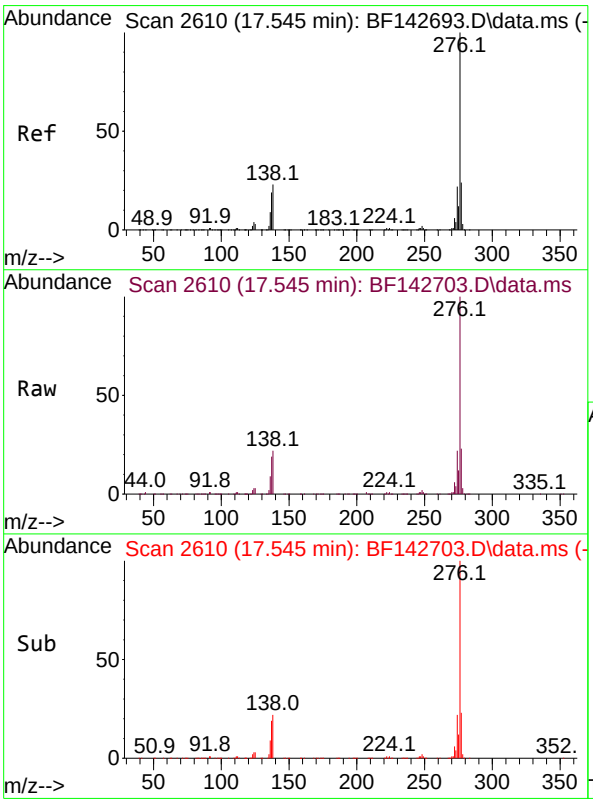
Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.4	20.0
279	23.5	18.7	28.1



Instrument :
BNA_F
ClientSampleId :
PB168351BS

Manual Integrations APPROVED

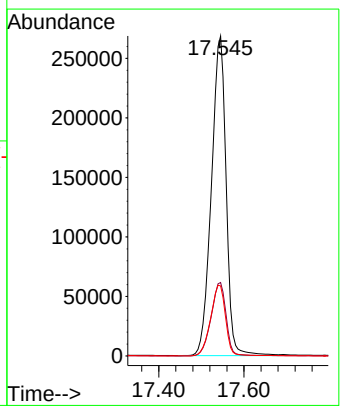
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/11/2025



#92
Benzo(g,h,i)perylene
Concen: 62.114 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:276 Resp: 644132

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	21.9	18.2	27.2



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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142707.D	1	06/09/25 09:40	06/10/25 12:41	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.00		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.018	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	1.00		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	1.10		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	0.97		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	1.00		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	1.00		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	1.00		0.021	0.089	0.12	mg/Kg
129-00-0	Pyrene	1.00		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.98		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.00		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.10		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.99		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	49.8		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.7		44 - 115		51%	SPK: 100
1718-51-0	Terphenyl-d14	52.4	*	54 - 127		52%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72900	6.892				
1146-65-2	Naphthalene-d8	273000	8.181				
15067-26-2	Acenaphthene-d10	145000	9.933				
1517-22-2	Phenanthrene-d10	232000	11.422				
1719-03-5	Chrysene-d12	148000	14.068				
1520-96-3	Perylene-d12	175000	15.562				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MS	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142707.D	1	06/09/25 09:40	06/10/25 12:41	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142707.D
Acq On : 10 Jun 2025 12:41
Operator : RC/JU
Sample : Q2266-05MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Quant Time: Jun 10 13:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	72888	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	273042	20.000	ng		0.00
39) Acenaphthene-d10	9.933	164	145075	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	232310	20.000	ng		0.00
76) Chrysene-d12	14.068	240	148312	20.000	ng		0.00
86) Perylene-d12	15.562	264	175165	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	340306	79.276	ng		0.00
7) Phenol-d6	6.522	99	406467	80.743	ng		-0.01
23) Nitrobenzene-d5	7.457	82	247275	49.770	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	125299	76.874	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	538196	50.734	ng		-0.01
79) Terphenyl-d14	13.010	244	491238	52.383	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	68509	41.677	ng		98
3) Pyridine	3.493	79	183023	43.171	ng		99
4) n-Nitrosodimethylamine	3.446	42	96386	46.711	ng		98
6) Aniline	6.557	93	248164	36.718	ng		99
8) 2-Chlorophenol	6.681	128	208523	44.523	ng		99
9) Benzaldehyde	6.445	77	104640	36.872	ng		99
10) Phenol	6.534	94	246617	43.748	ng		100
11) bis(2-Chloroethyl)ether	6.628	93	184983	45.043	ng		98
12) 1,3-Dichlorobenzene	6.834	146	233508	44.519	ng		99
13) 1,4-Dichlorobenzene	6.910	146	238429	44.458	ng		98
14) 1,2-Dichlorobenzene	7.063	146	226066	44.209	ng		98
15) Benzyl Alcohol	7.034	79	168410	45.734	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	287195	42.946	ng		99
17) 2-Methylphenol	7.145	107	157220	43.778	ng		98
18) Hexachloroethane	7.404	117	84051	45.619	ng		95
19) n-Nitroso-di-n-propyla...	7.304	70	135672	45.976	ng		99
20) 3+4-Methylphenols	7.298	107	195228	44.140	ng	#	90
22) Acetophenone	7.304	105	269490	45.151	ng		97
24) Nitrobenzene	7.475	77	197188	44.009	ng		99
25) Isophorone	7.716	82	362536	44.976	ng		100
26) 2-Nitrophenol	7.792	139	115403	46.692	ng		97
27) 2,4-Dimethylphenol	7.828	122	185692	44.207	ng		100
28) bis(2-Chloroethoxy)met...	7.922	93	224965	44.498	ng		98
29) 2,4-Dichlorophenol	8.034	162	172633	44.862	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	195048	46.468	ng		98
31) Naphthalene	8.198	128	604704	44.944	ng		100
32) Benzoic acid	7.939	122	110354	43.323	ng		99
33) 4-Chloroaniline	8.245	127	146701	26.521	ng		100
34) Hexachlorobutadiene	8.316	225	119125	46.081	ng		99
35) Caprolactam	8.616	113	51771	43.802	ng		98
36) 4-Chloro-3-methylphenol	8.728	107	171637	43.241	ng		99
37) 2-Methylnaphthalene	8.892	142	371697	43.904	ng		100
38) 1-Methylnaphthalene	8.992	142	380265	43.375	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	189986	45.315	ng		99
41) Hexachlorocyclopentadiene	9.045	237	230626	93.671	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	123561	44.916	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142707.D
Acq On : 10 Jun 2025 12:41
Operator : RC/JU
Sample : Q2266-05MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Quant Time: Jun 10 13:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

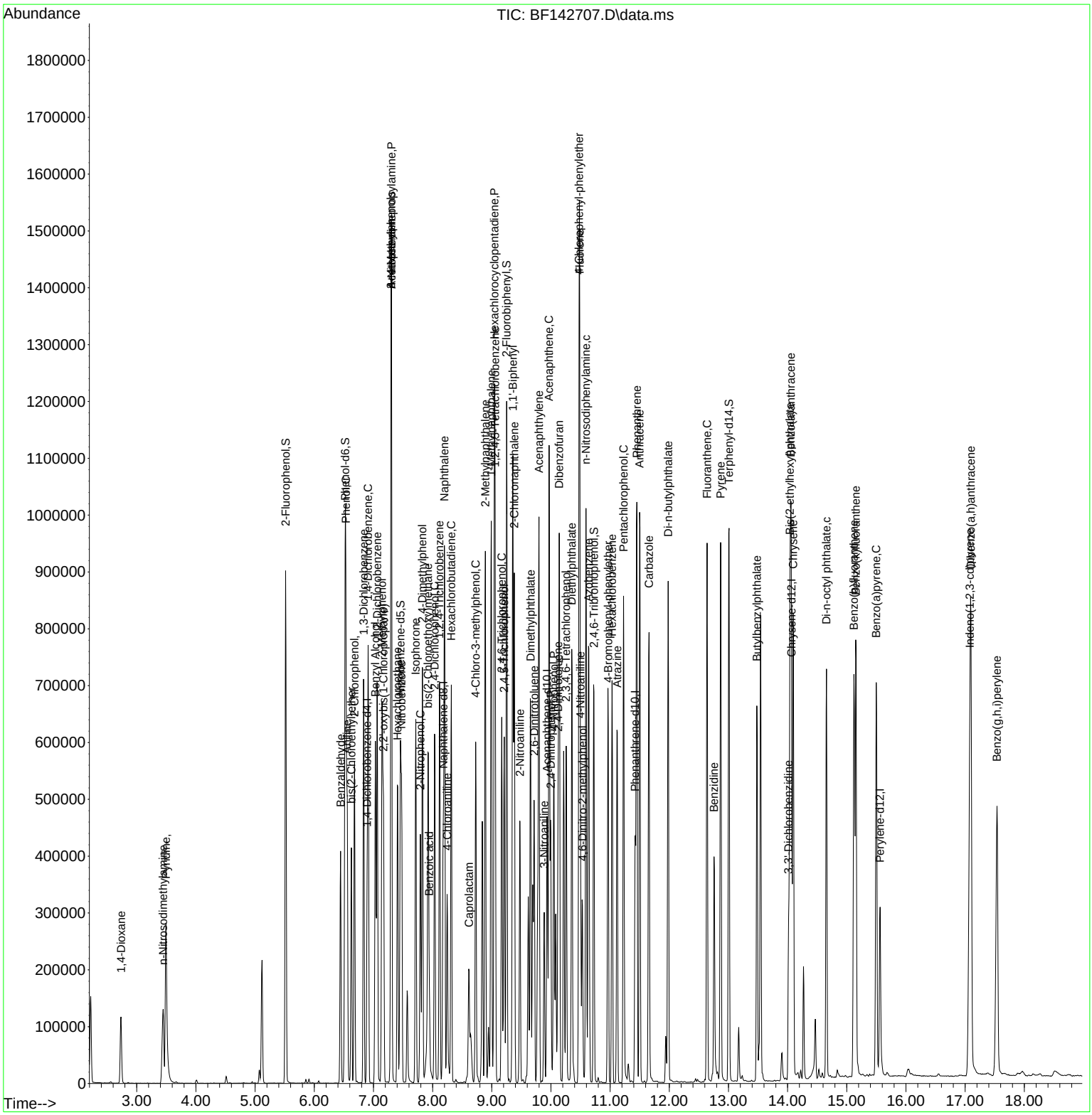
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	129648	44.123	ng	98
46) 1,1'-Biphenyl	9.357	154	510817	45.281	ng	99
47) 2-Chloronaphthalene	9.380	162	372308	44.047	ng	99
48) 2-Nitroaniline	9.475	65	106260	42.246	ng	97
49) Acenaphthylene	9.798	152	625589	44.657	ng	100
50) Dimethylphthalate	9.657	163	427699	43.818	ng	100
51) 2,6-Dinitrotoluene	9.716	165	92781	43.941	ng	96
52) Acenaphthene	9.969	154	413493	48.251	ng	100
53) 3-Nitroaniline	9.886	138	69342	29.227	ng	98
54) 2,4-Dinitrophenol	9.998	184	95949	82.076	ng	97
55) Dibenzofuran	10.139	168	544806	44.314	ng	98
56) 4-Nitrophenol	10.051	139	138939	85.199	ng	98
57) 2,4-Dinitrotoluene	10.122	165	126936	44.849	ng	98
58) Fluorene	10.486	166	417455	42.482	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	105582	42.702	ng	97
60) Diethylphthalate	10.351	149	423266	44.667	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	203717	43.848	ng	99
62) 4-Nitroaniline	10.498	138	90730	40.313	ng	94
63) Azobenzene	10.633	77	404594	47.665	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	64455	43.501	ng	98
66) n-Nitrosodiphenylamine	10.592	169	364150	48.550	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	122488	47.703	ng	99
68) Hexachlorobenzene	11.033	284	140803	47.723	ng	99
69) Atrazine	11.122	200	111741	49.125	ng	99
70) Pentachlorophenol	11.227	266	144449	89.026	ng	99
71) Phenanthrene	11.451	178	570569	45.942	ng	99
72) Anthracene	11.498	178	582233	45.175	ng	100
73) Carbazole	11.657	167	499561	43.045	ng	100
74) Di-n-butylphthalate	11.980	149	635033	51.543	ng	100
75) Fluoranthene	12.639	202	558947	44.920	ng	100
77) Benzidine	12.757	184	248352	48.519	ng	99
78) Pyrene	12.869	202	555639	45.977	ng	100
80) Butylbenzylphthalate	13.480	149	225894	60.697	ng	97
81) Benzo(a)anthracene	14.057	228	448189	46.564	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	90579	29.440	ng	100
83) Chrysene	14.092	228	424624	46.575	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	312126	73.457	ng	99
85) Di-n-octyl phthalate	14.657	149	503646	60.944	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	573017	46.246	ng	99
88) Benzo(b)fluoranthene	15.121	252	486439	46.482	ng	99
89) Benzo(k)fluoranthene	15.151	252	423841	43.039	ng	100
90) Benzo(a)pyrene	15.498	252	449775	45.864	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	463774	46.496	ng	100
92) Benzo(g,h,i)perylene	17.539	276	449262	43.497	ng	99

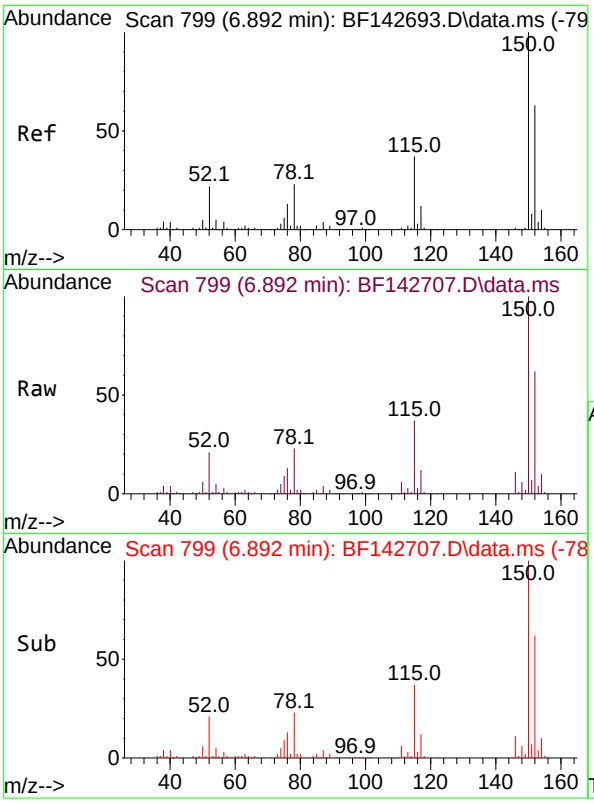
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142707.D
Acq On : 10 Jun 2025 12:41
Operator : RC/JU
Sample : Q2266-05MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Quant Time: Jun 10 13:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



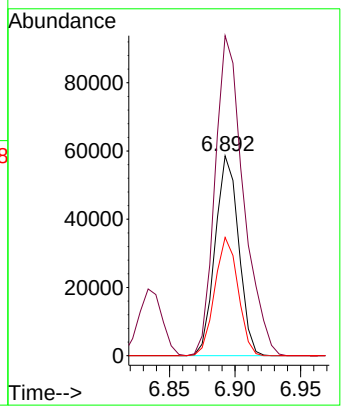


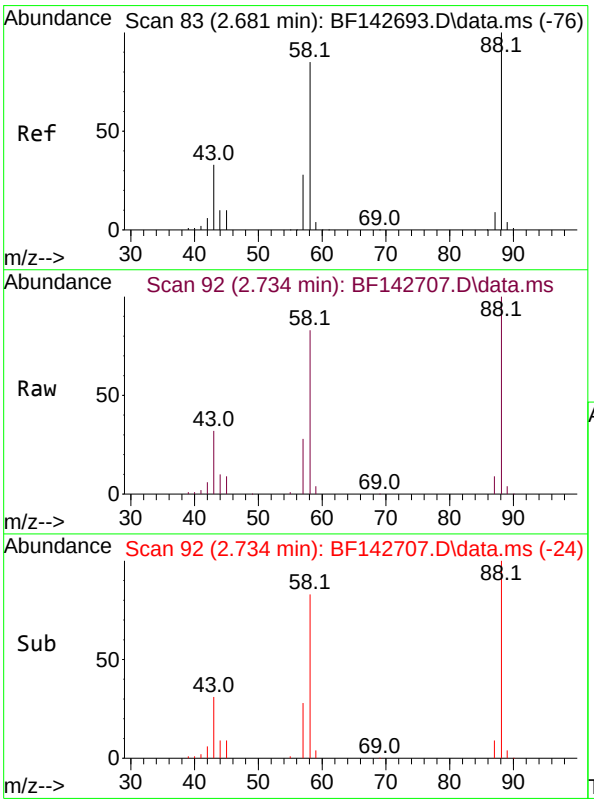
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:152 Resp: 72888

Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.8	190.2
115	59.1	46.8	70.2

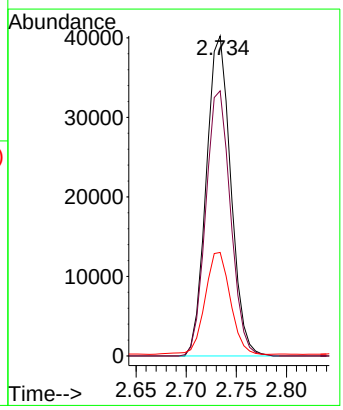


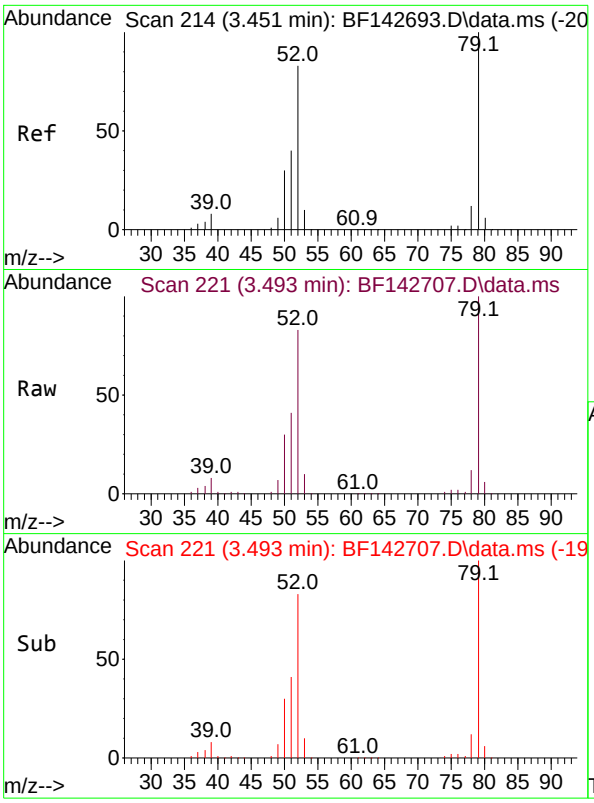


#2
1,4-Dioxane
Concen: 41.677 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.053 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 88 Resp: 68509

Ion	Ratio	Lower	Upper
88	100		
58	83.7	69.2	103.8
43	32.9	26.3	39.5



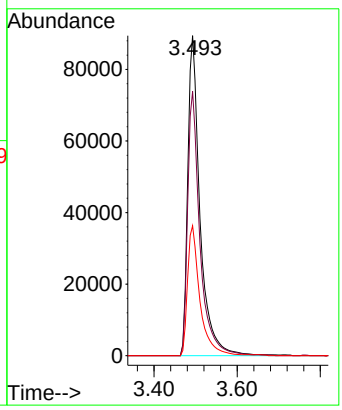


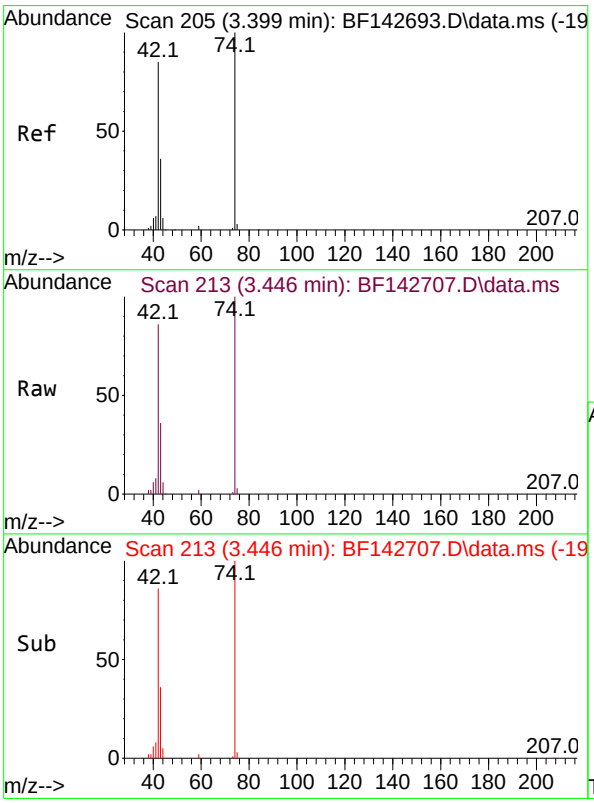
#3
Pyridine
Concen: 43.171 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 79 Resp: 183023

Ion	Ratio	Lower	Upper
79	100		
52	82.6	66.6	99.8
51	40.6	31.7	47.5

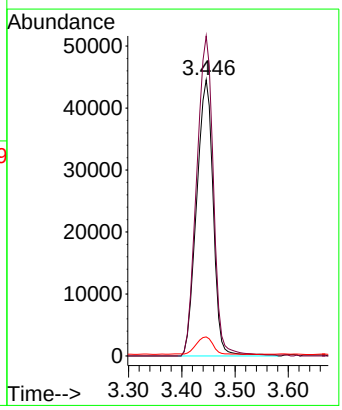


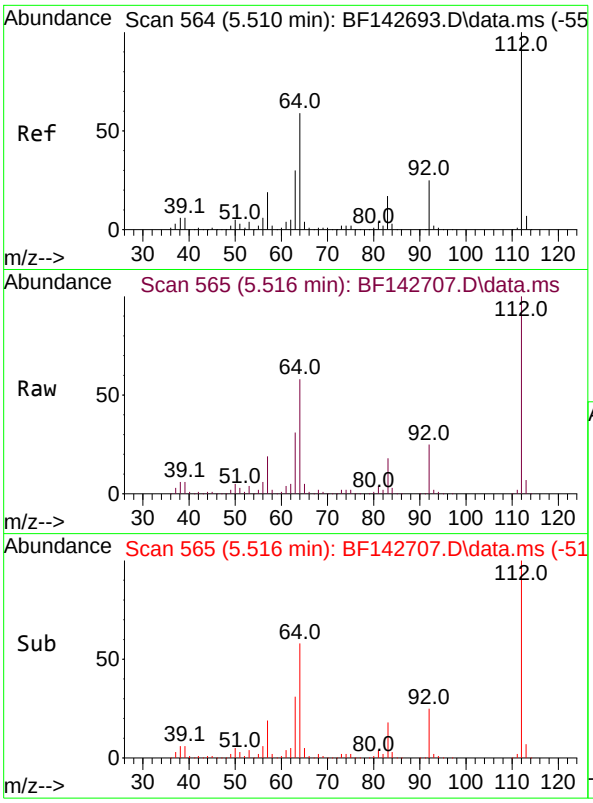


#4
n-Nitrosodimethylamine
Concen: 46.711 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.018 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 42 Resp: 96386

Ion	Ratio	Lower	Upper
42	100		
74	115.9	94.5	141.7
44	6.9	5.6	8.4



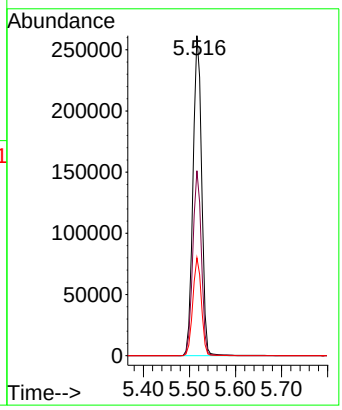


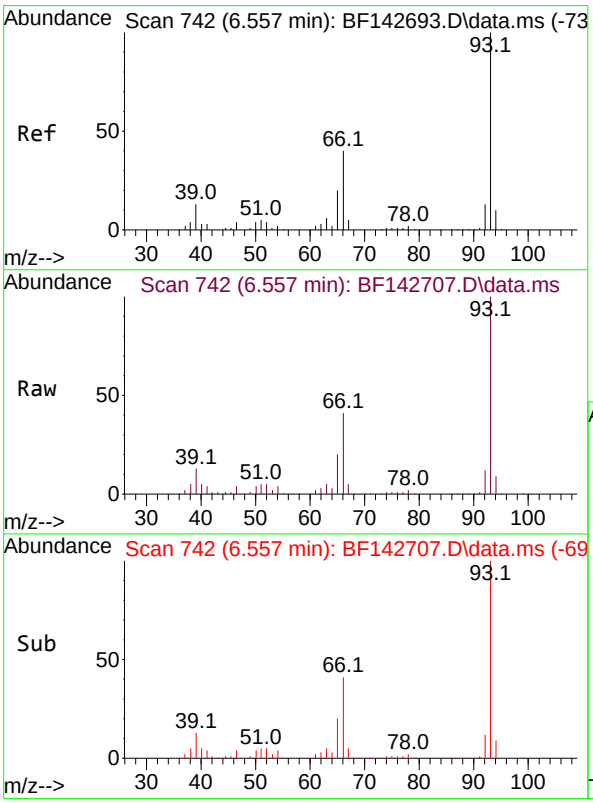
#5
2-Fluorophenol
Concen: 79.276 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:112 Resp: 340306

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.9	70.3
63	30.6	24.3	36.5

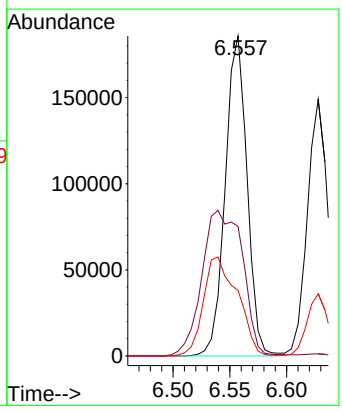


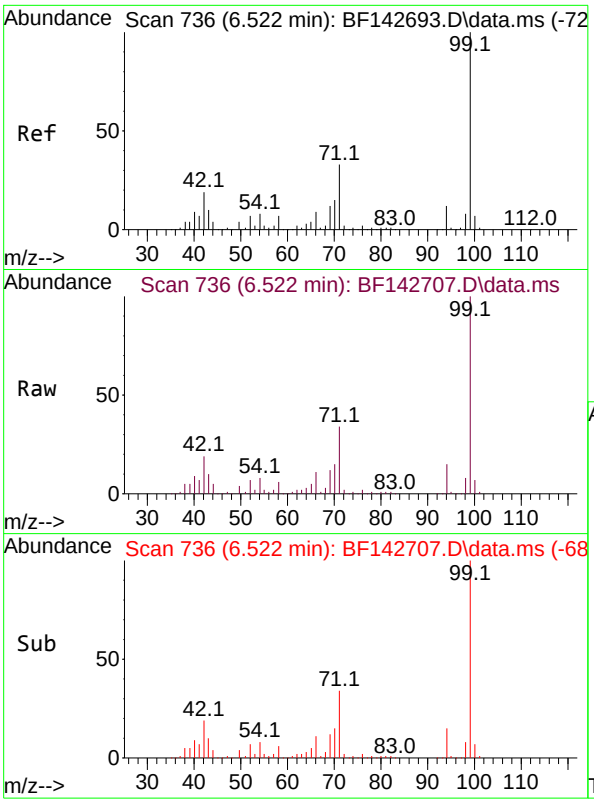


#6
Aniline
Concen: 36.718 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 93 Resp: 248164

Ion	Ratio	Lower	Upper
93	100		
66	40.5	32.8	49.2
65	20.5	16.4	24.6



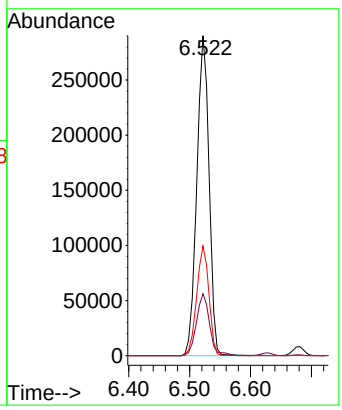


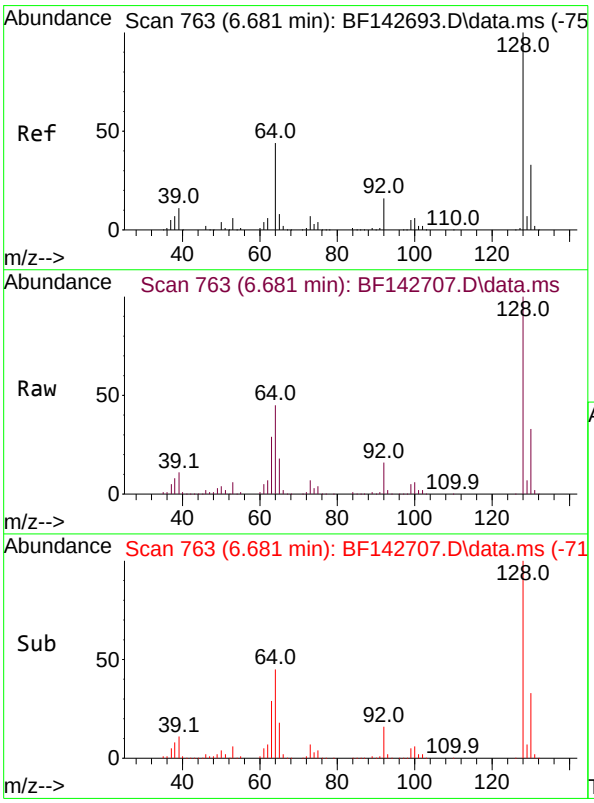
#7
Phenol-d6
Concen: 80.743 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 99 Resp: 406467

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.3	22.9
71	34.3	26.3	39.5

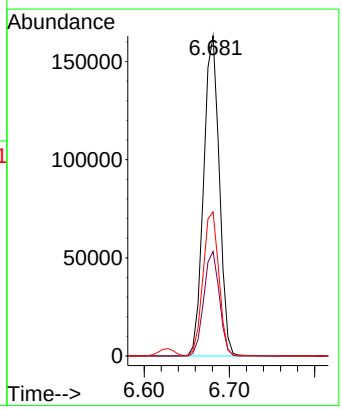


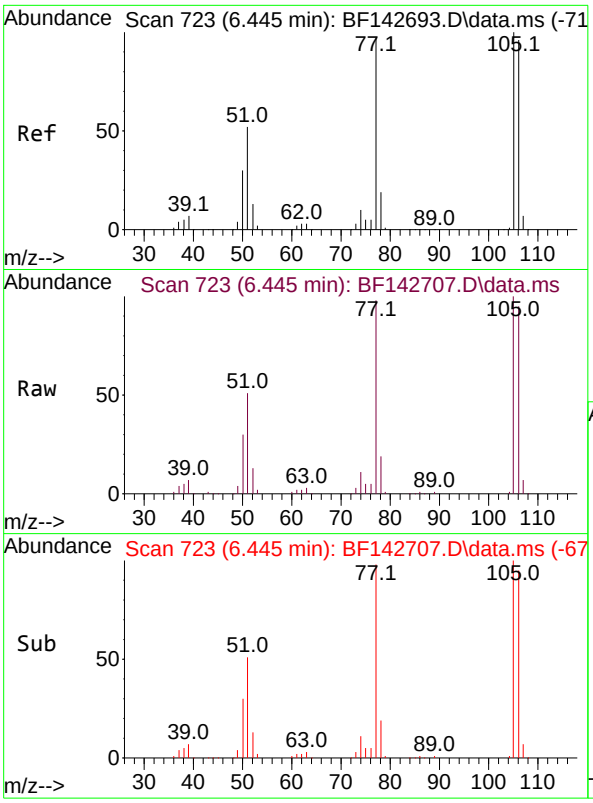


#8
2-Chlorophenol
Concen: 44.523 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:128 Resp: 208523

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.3	53.3
64	45.0	25.4	65.4



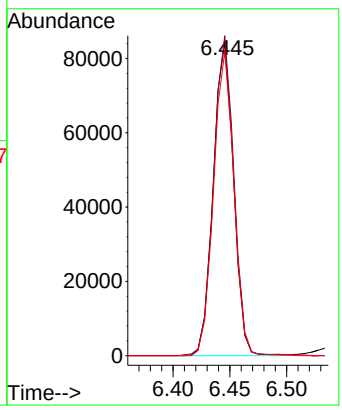


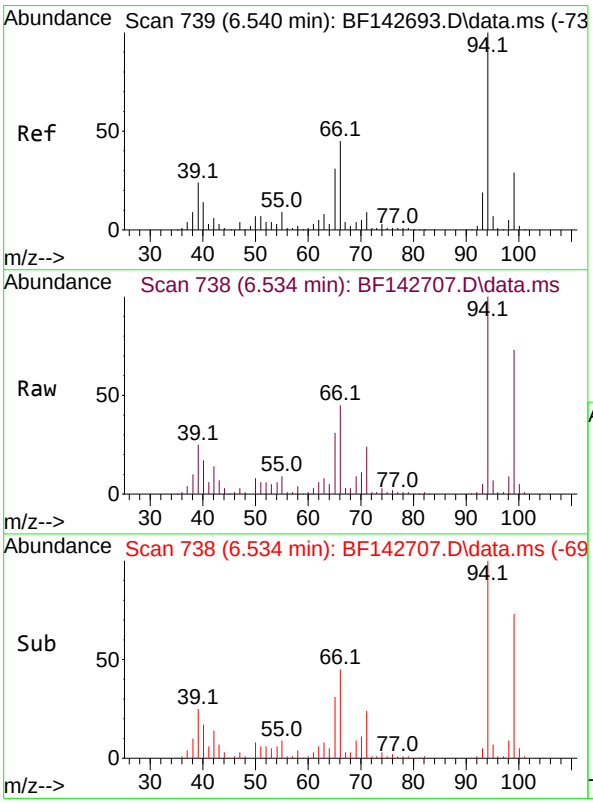
#9
Benzaldehyde
Concen: 36.872 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 77 Resp: 104640

Ion	Ratio	Lower	Upper
77	100		
105	102.2	83.2	123.2
106	97.0	78.7	118.7

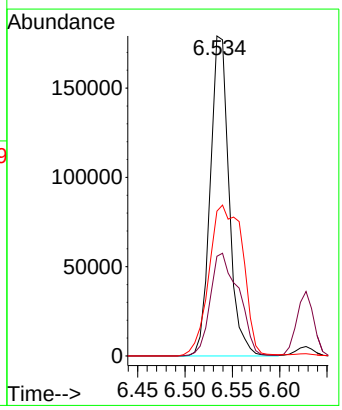


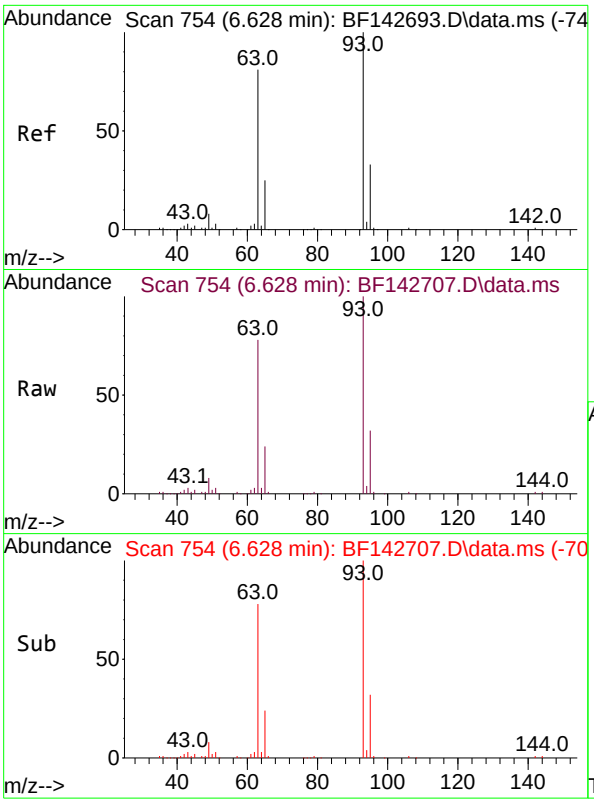


#10
Phenol
Concen: 43.748 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 94 Resp: 246617

Ion	Ratio	Lower	Upper
94	100		
65	31.1	11.0	51.0
66	45.3	24.9	64.9



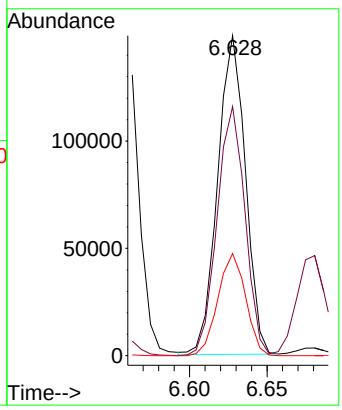


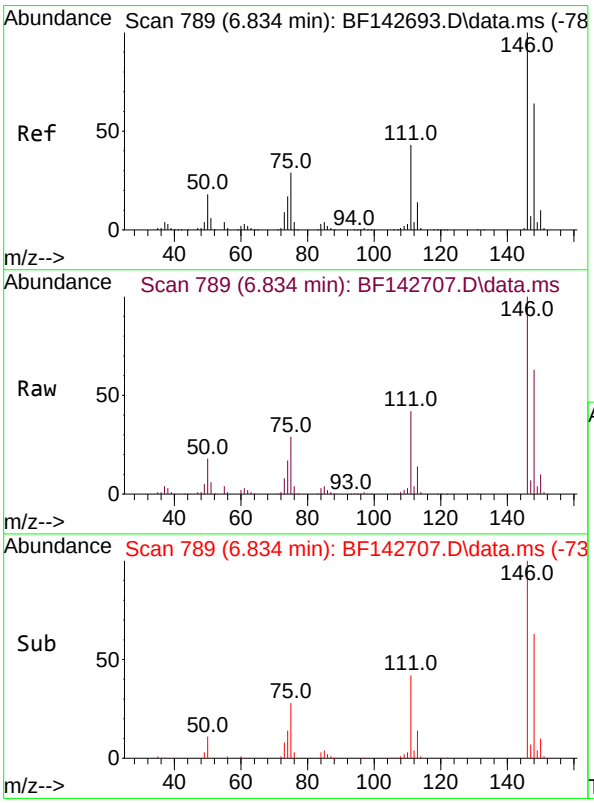
#11
bis(2-Chloroethyl)ether
Concen: 45.043 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 93 Resp: 184983

Ion	Ratio	Lower	Upper
93	100		
63	77.9	60.0	100.0
95	31.9	12.2	52.2

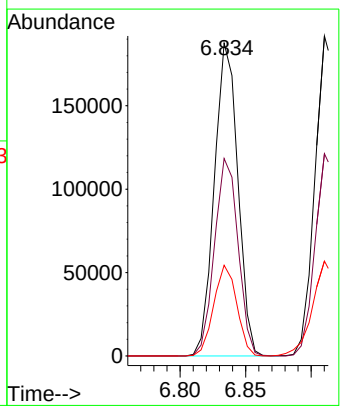


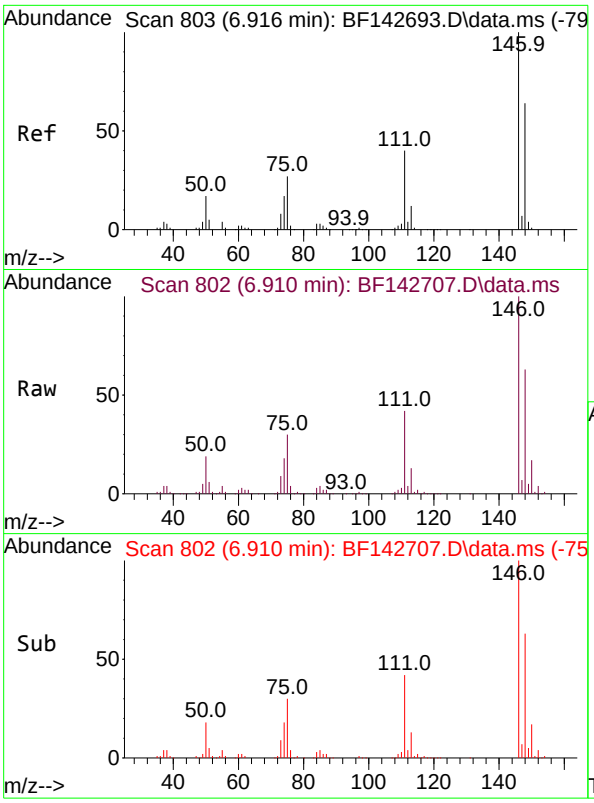


#12
1,3-Dichlorobenzene
Concen: 44.519 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:146 Resp: 233508

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.4	77.2
75	29.0	23.1	34.7



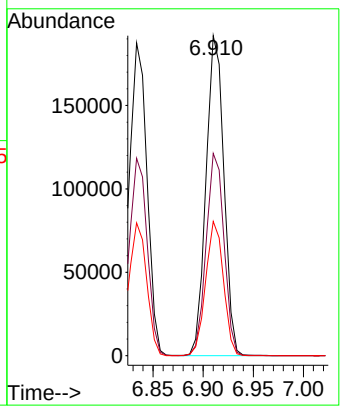


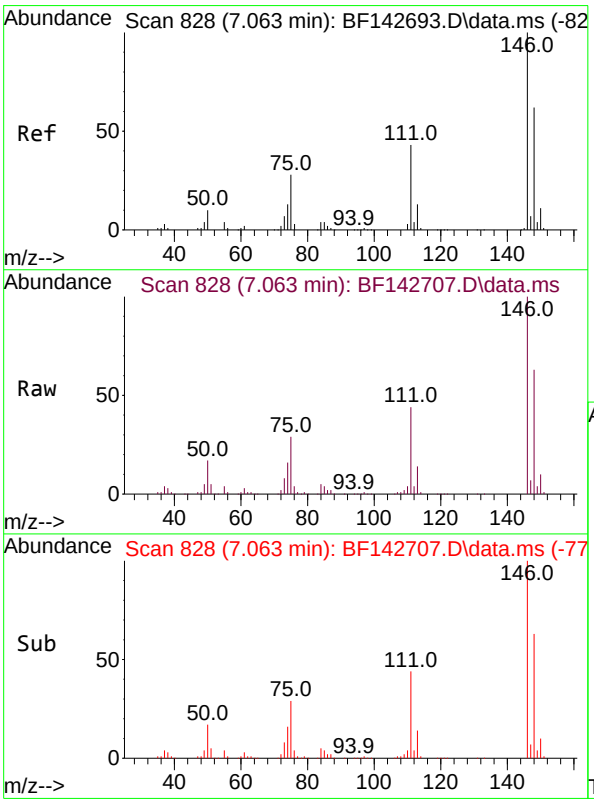
#13
1,4-Dichlorobenzene
Concen: 44.458 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:146 Resp: 238429

Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.0	76.6
111	42.0	31.8	47.8

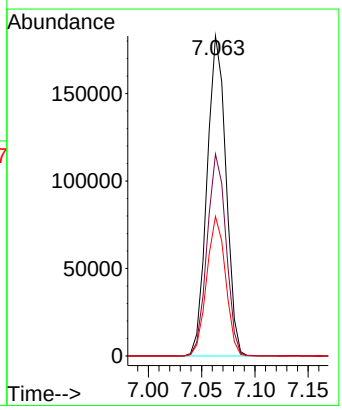


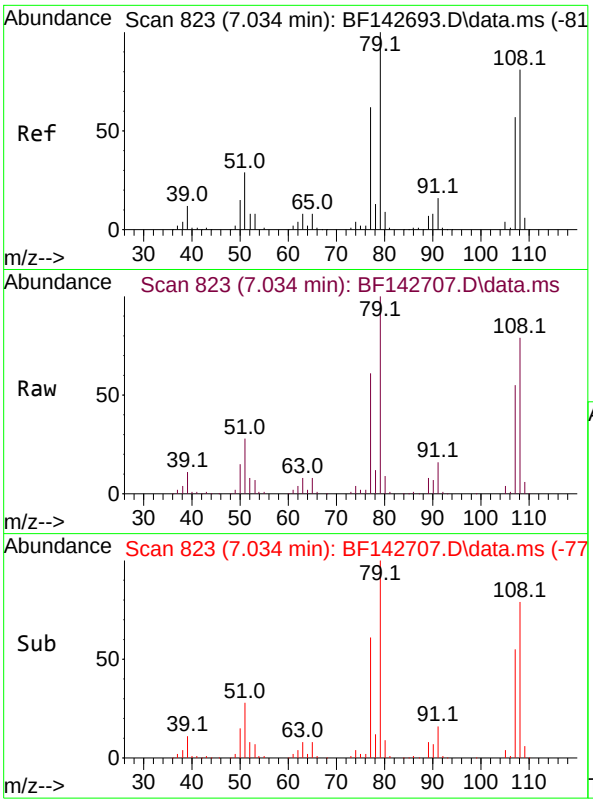


#14
1,2-Dichlorobenzene
Concen: 44.209 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:146 Resp: 226066

Ion	Ratio	Lower	Upper
146	100		
148	63.1	49.3	73.9
111	43.6	34.1	51.1



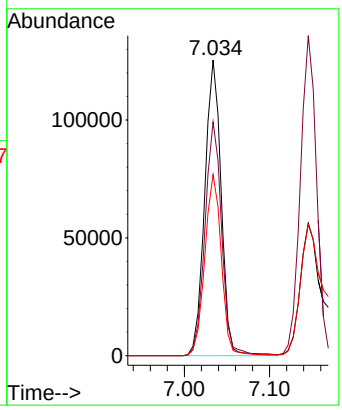


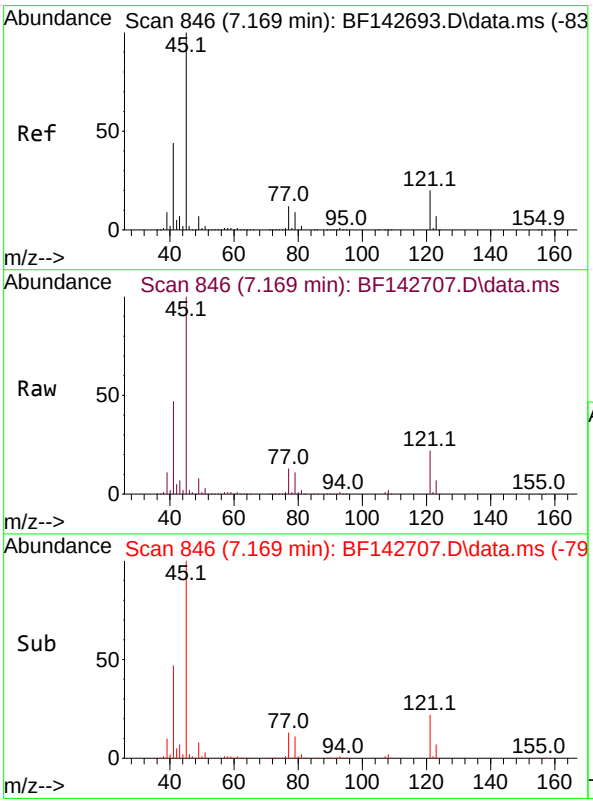
#15
Benzyl Alcohol
Concen: 45.734 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 79 Resp: 168410

Ion	Ratio	Lower	Upper
79	100		
108	79.1	64.8	97.2
77	61.3	49.4	74.2

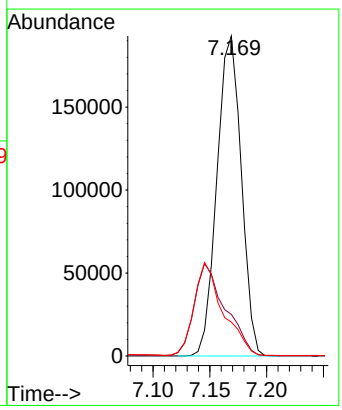


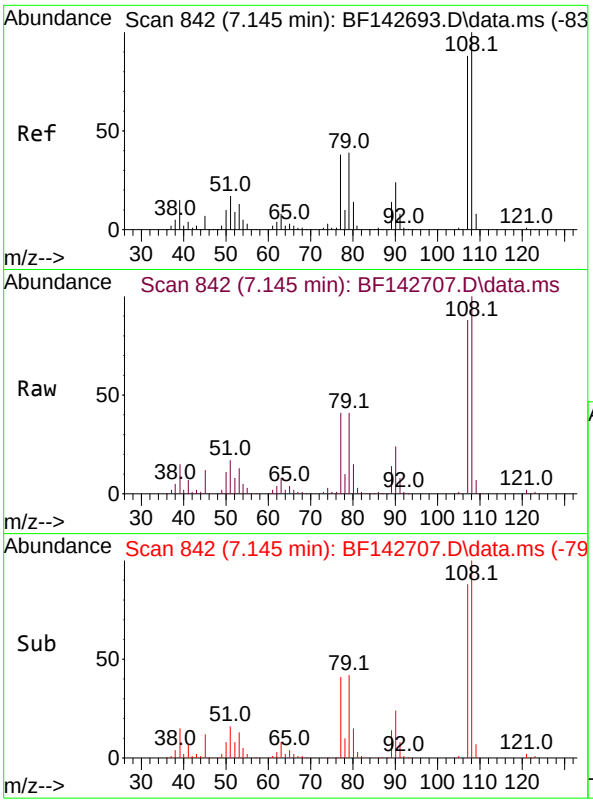


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.946 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 45 Resp: 287195

Ion	Ratio	Lower	Upper
45	100		
77	13.0	0.0	32.8
79	10.6	0.0	30.3



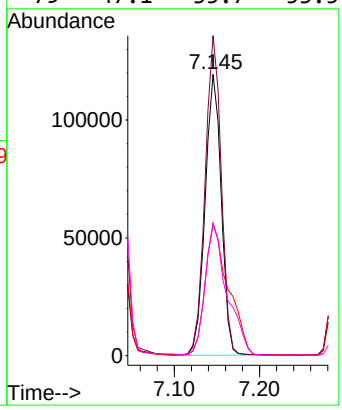


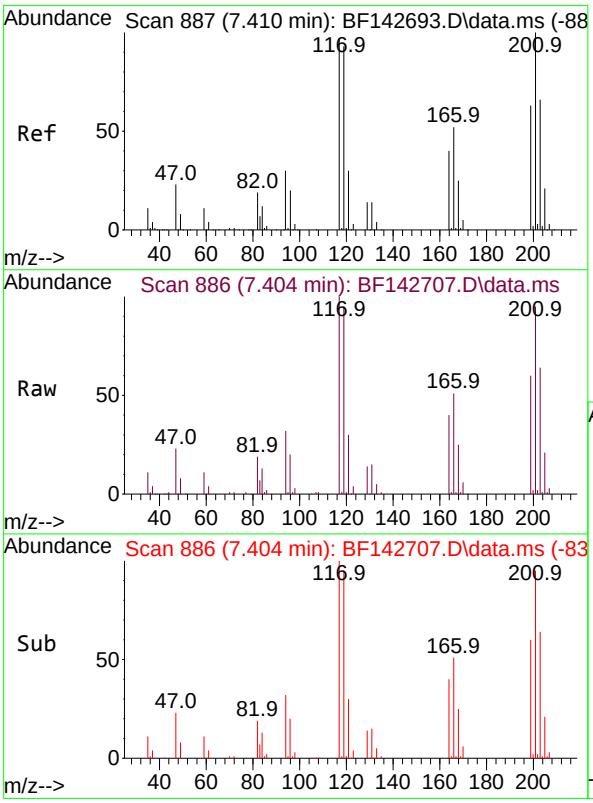
#17
2-Methylphenol
Concen: 43.778 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:107 Resp: 157220

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.4
77	46.6	34.9	52.3
79	47.1	35.7	53.5

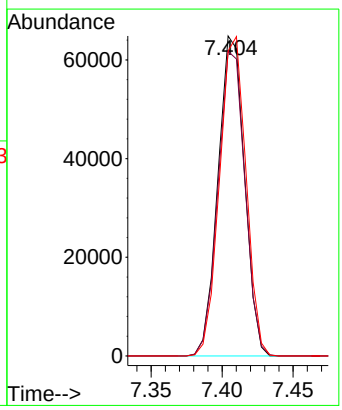


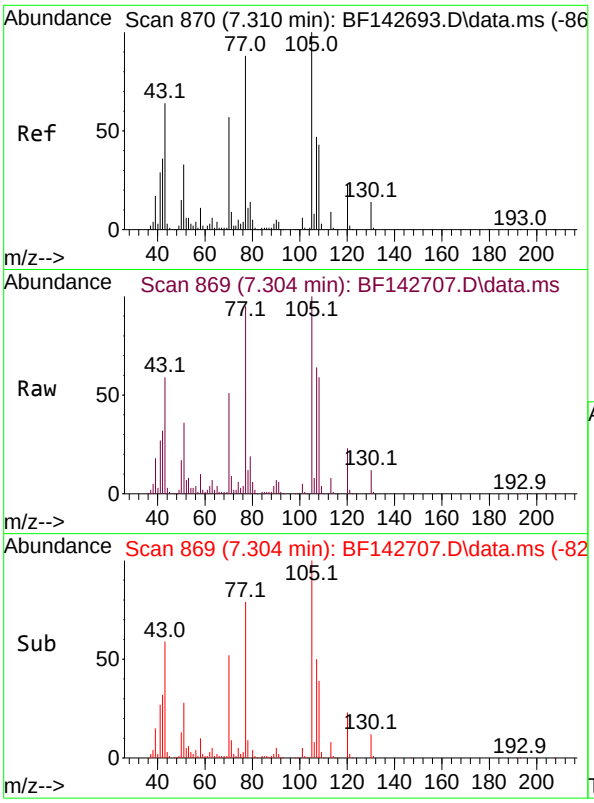


#18
Hexachloroethane
Concen: 45.619 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:117 Resp: 84051

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.1	115.7
201	95.3	82.6	123.8



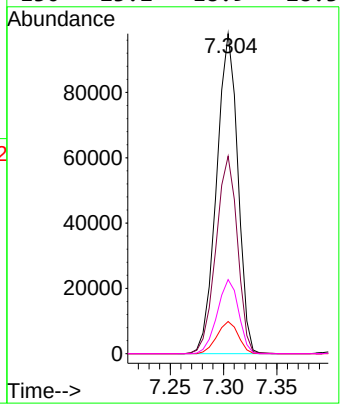


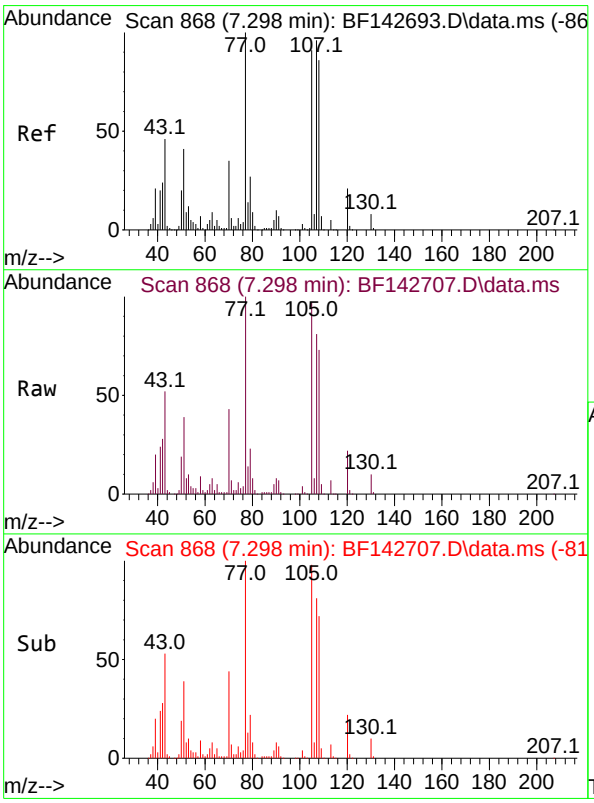
#19
n-Nitroso-di-n-propylamine
Concen: 45.976 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 70 Resp: 135672

Ion	Ratio	Lower	Upper
70	100		
42	61.7	50.1	75.1
101	10.0	8.1	12.1
130	23.2	18.9	28.3

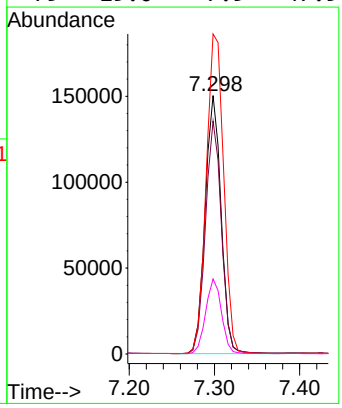


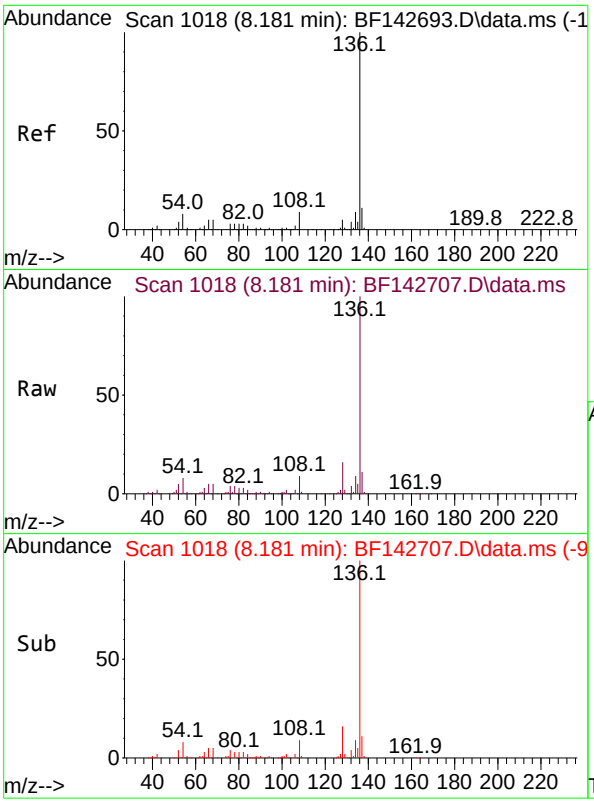


#20
3+4-Methylphenols
Concen: 44.140 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:107 Resp: 195228

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.5	109.5
77	123.8	83.6	123.6#
79	29.0	7.9	47.9



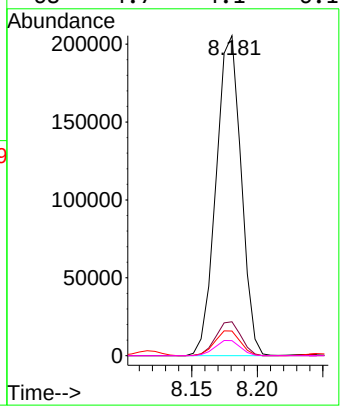


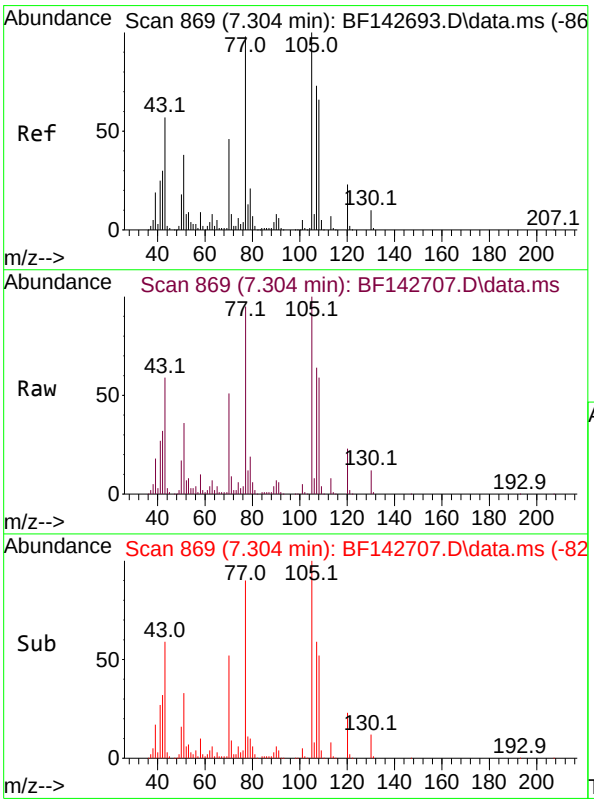
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:136 Resp: 273042

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.7	6.4	9.6
68	4.7	4.1	6.1

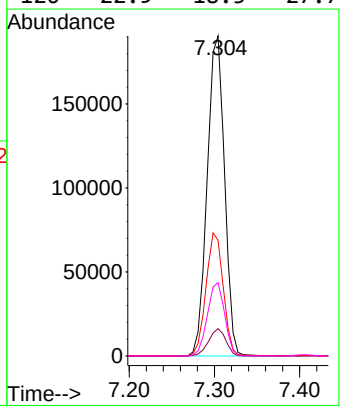


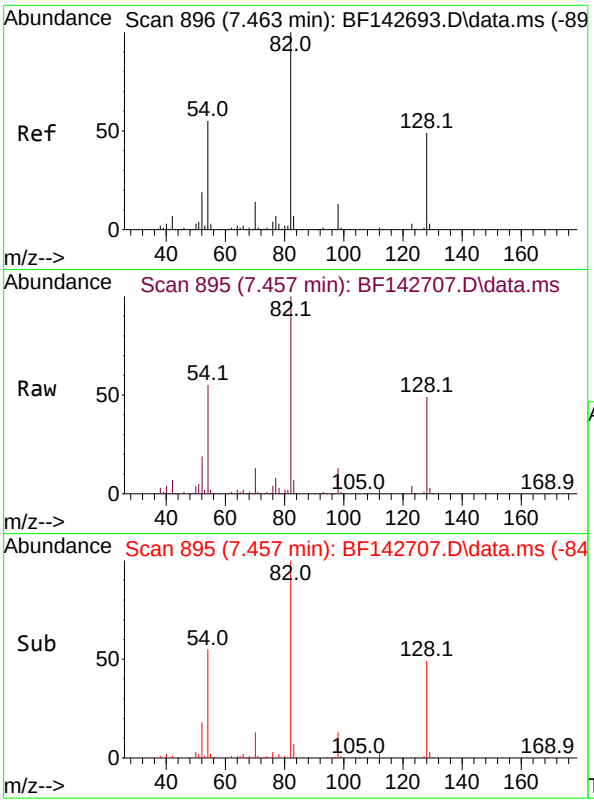


#22
Acetophenone
Concen: 45.151 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:105 Resp: 269490

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.2	9.2
51	36.1	30.8	46.2
120	22.9	18.5	27.7



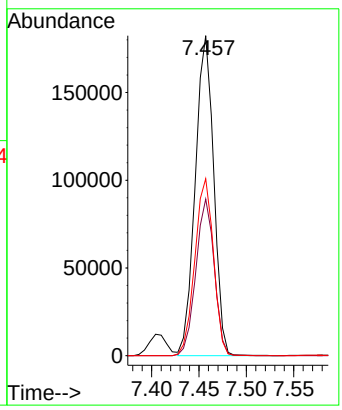


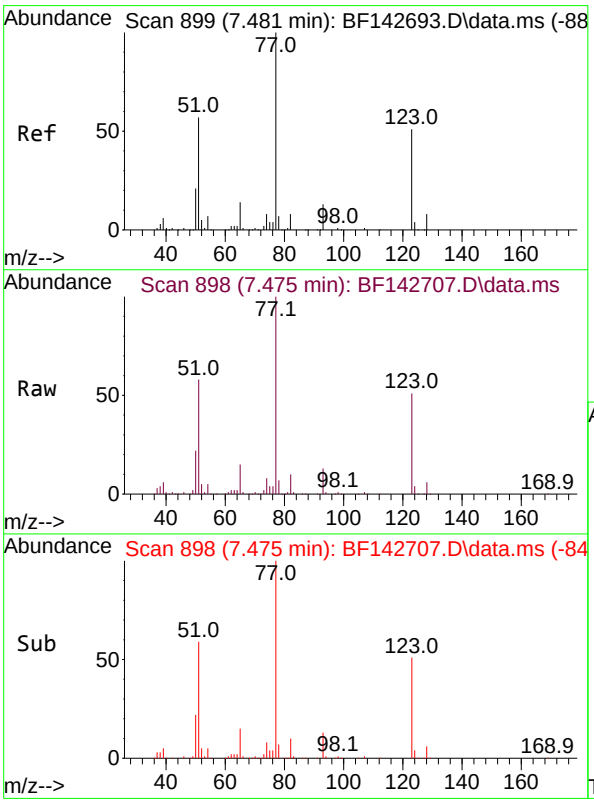
#23
Nitrobenzene-d5
Concen: 49.770 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 82 Resp: 247275

Ion	Ratio	Lower	Upper
82	100		
128	49.0	39.3	58.9
54	55.3	44.2	66.2

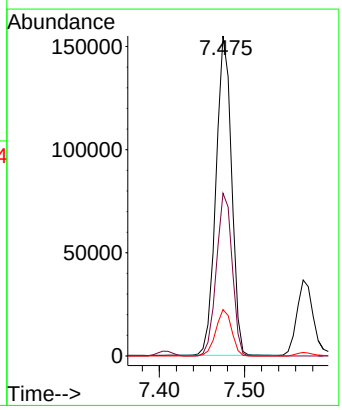


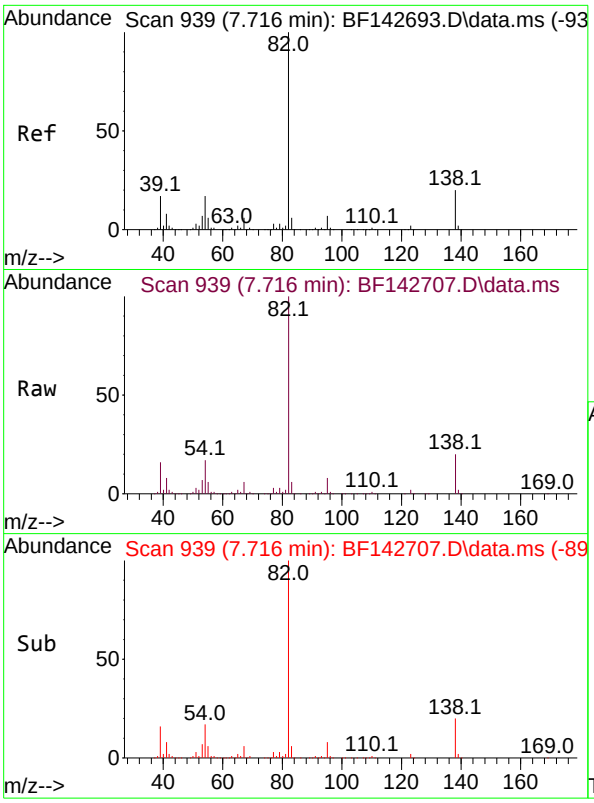


#24
Nitrobenzene
Concen: 44.009 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 77 Resp: 197188

Ion	Ratio	Lower	Upper
77	100		
123	50.9	41.3	61.9
65	14.5	11.2	16.8



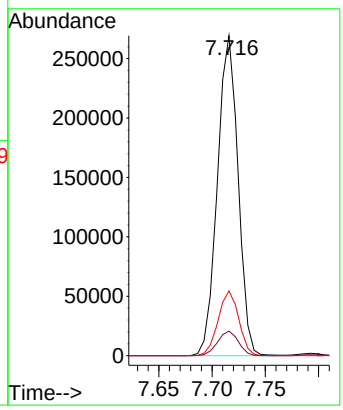


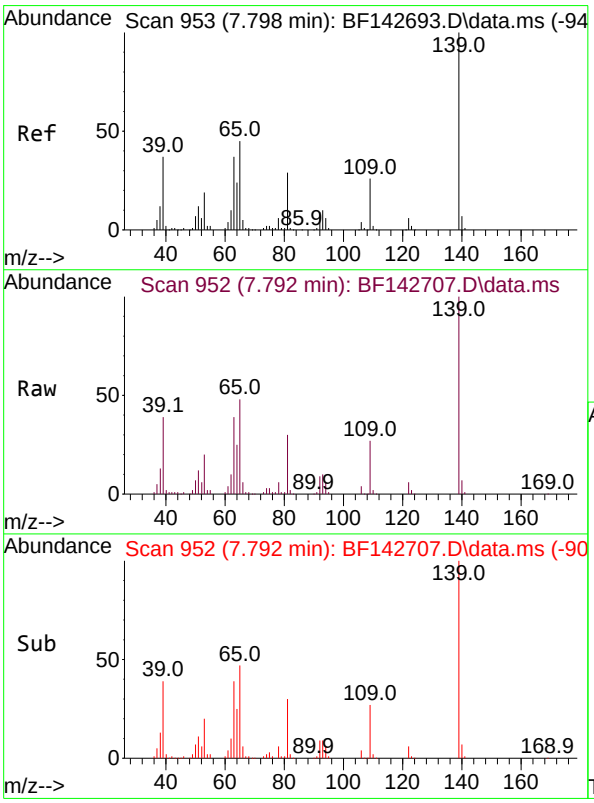
#25
Isophorone
Concen: 44.976 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 82 Resp: 362536

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.9	8.9
138	20.2	16.1	24.1

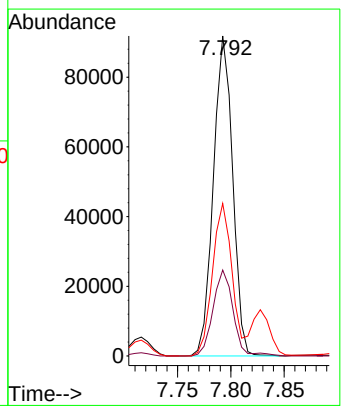


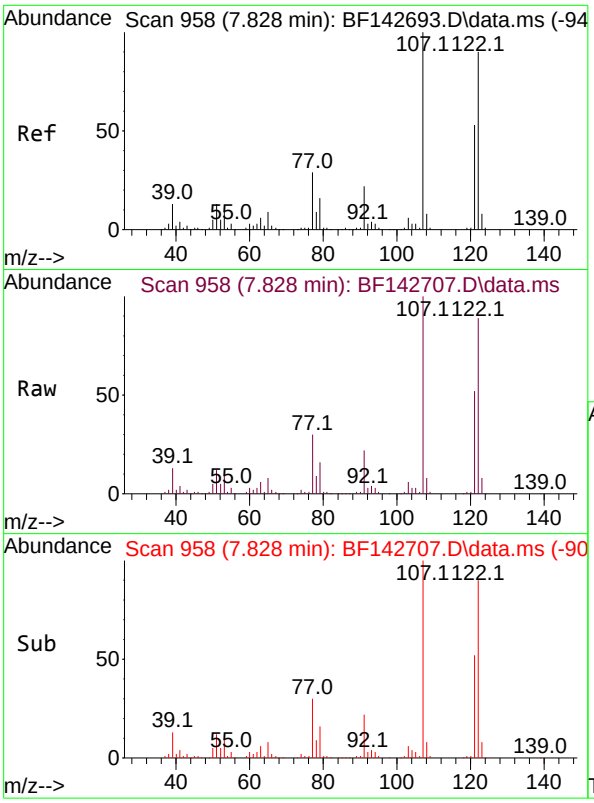


#26
2-Nitrophenol
Concen: 46.692 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:139 Resp: 115403

Ion	Ratio	Lower	Upper
139	100		
109	26.9	21.0	31.6
65	47.6	36.2	54.2



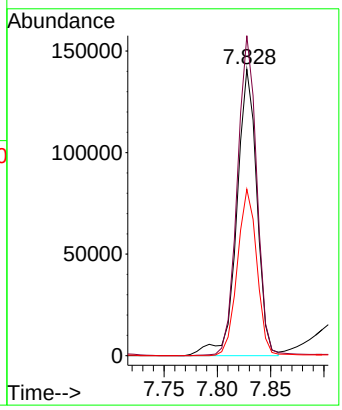


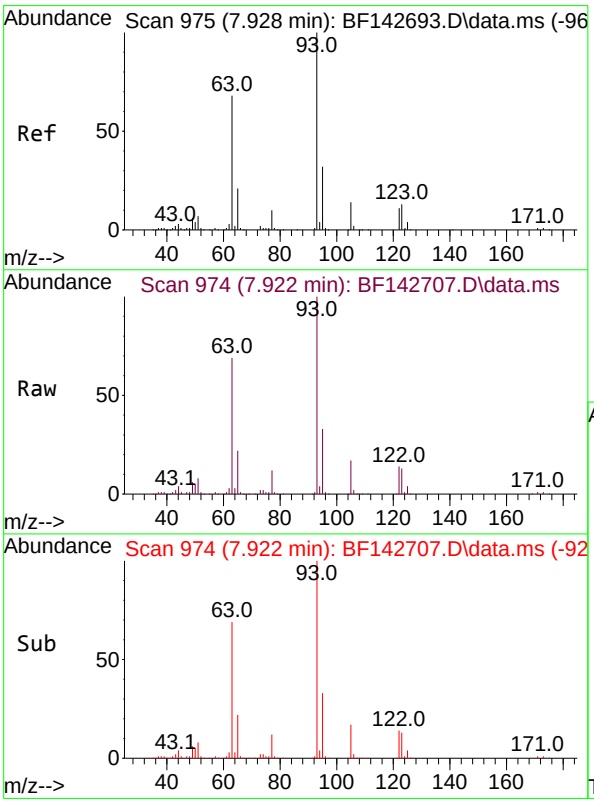
#27
2,4-Dimethylphenol
Concen: 44.207 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:122 Resp: 185692

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.1	47.1	70.7

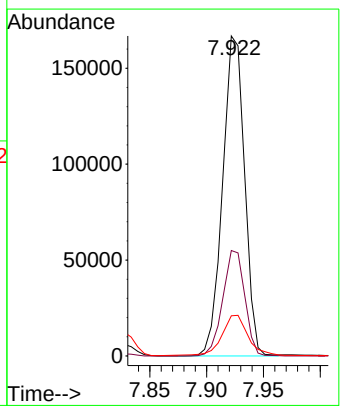


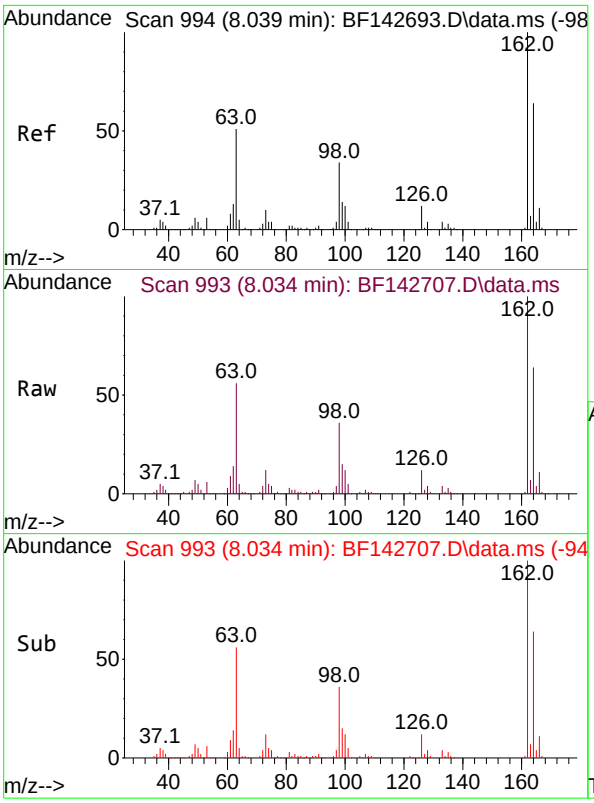


#28
bis(2-Chloroethoxy)methane
Concen: 44.498 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 93 Resp: 224965

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.4	38.2
123	12.5	10.5	15.7



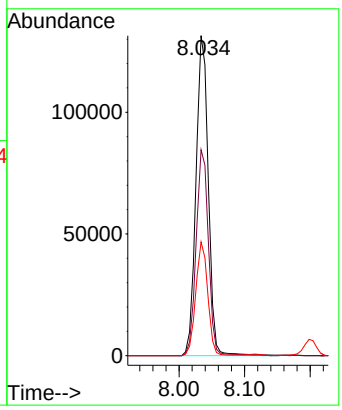


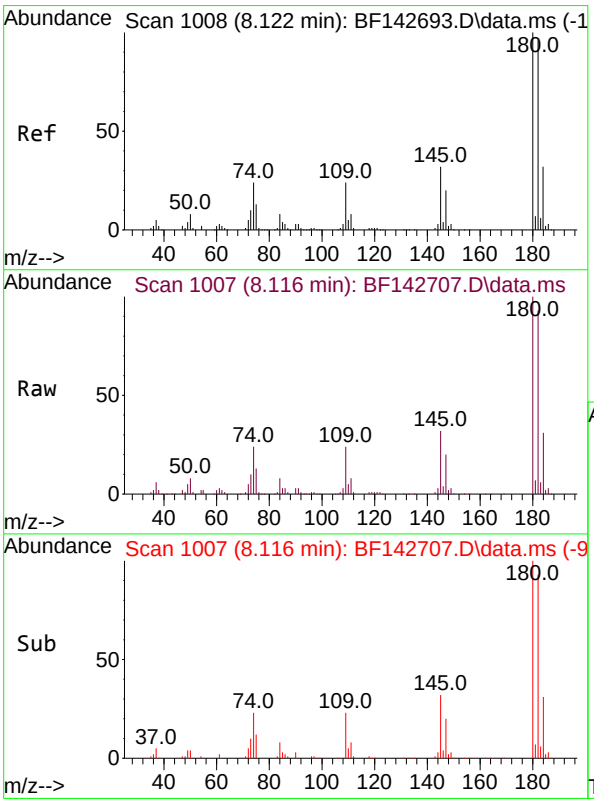
#29
2,4-Dichlorophenol
Concen: 44.862 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:162 Resp: 172633

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.0	84.0
98	35.5	14.4	54.4

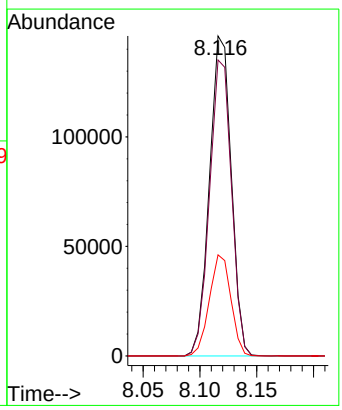


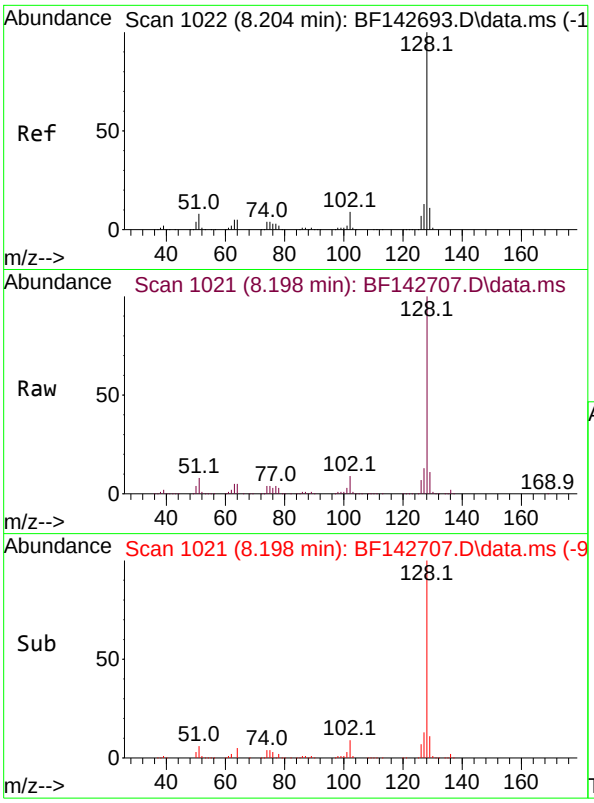


#30
1,2,4-Trichlorobenzene
Concen: 46.468 ng
RT: 8.116 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:180 Resp: 195048

Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.6	114.8
145	31.6	25.4	38.0



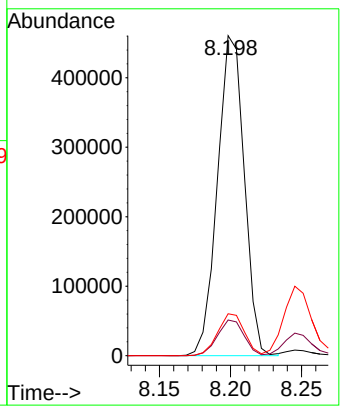


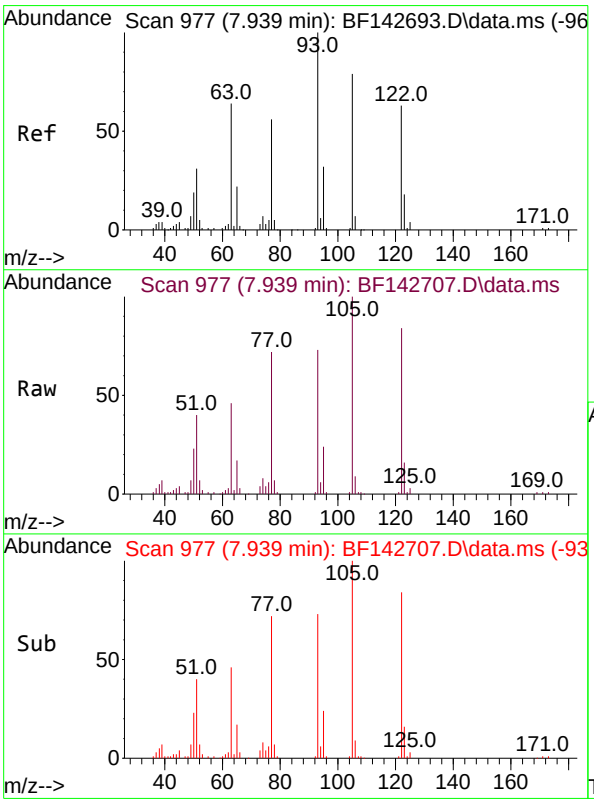
#31
Naphthalene
Concen: 44.944 ng
RT: 8.198 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:128 Resp: 604704

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.1	10.6	15.8

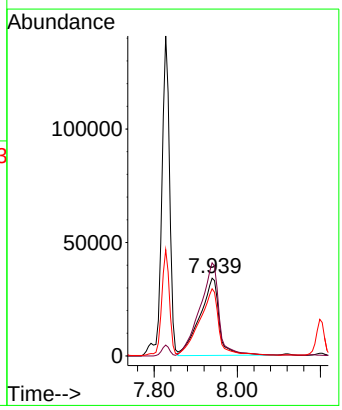


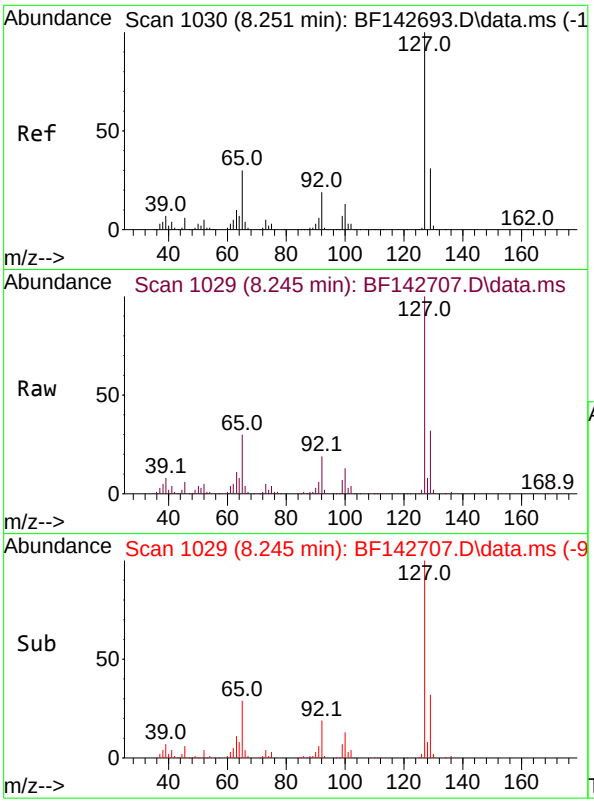


#32
Benzoic acid
Concen: 43.323 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.041 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:122 Resp: 110354

Ion	Ratio	Lower	Upper
122	100		
105	119.6	100.3	140.3
77	86.4	67.9	107.9



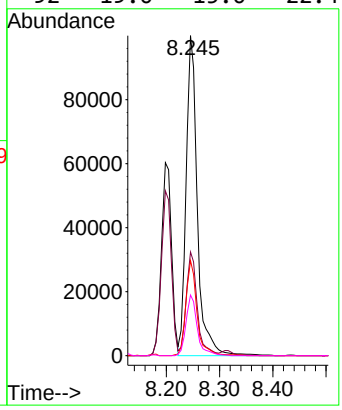


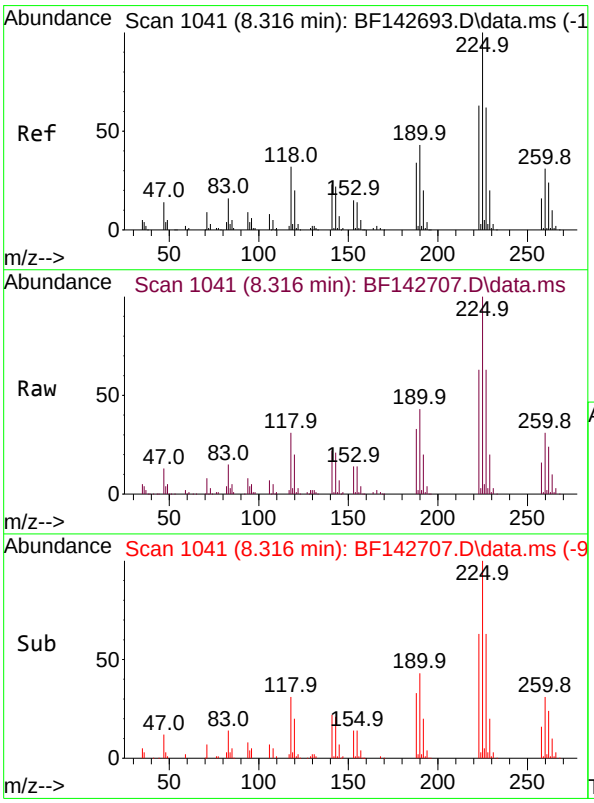
#33
4-Chloroaniline
Concen: 26.521 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:127 Resp: 146701

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	29.7	23.8	35.6
92	19.0	15.0	22.4

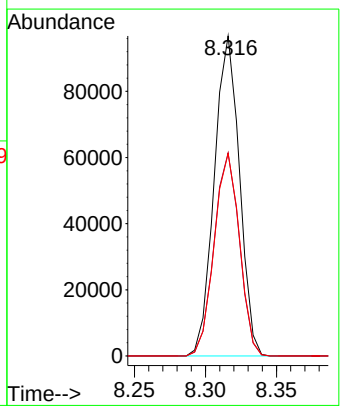


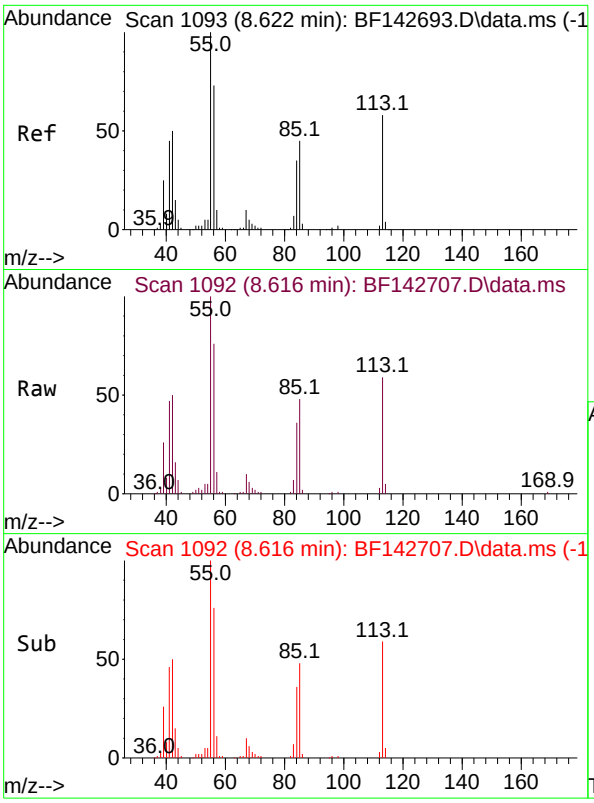


#34
Hexachlorobutadiene
Concen: 46.081 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:225 Resp: 119125

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.7	76.1
227	63.3	49.8	74.8



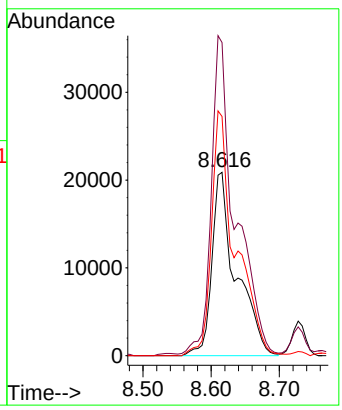


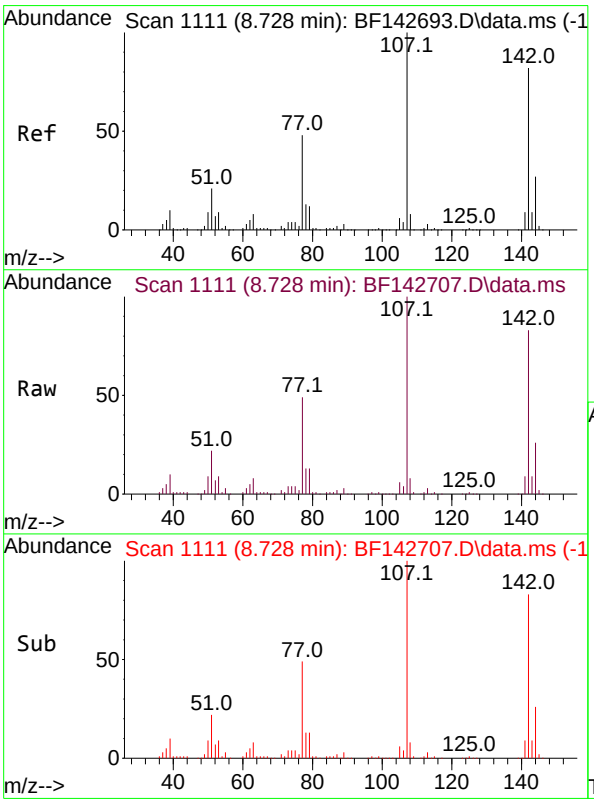
#35
Caprolactam
Concen: 43.802 ng
RT: 8.616 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:113 Resp: 51771

Ion	Ratio	Lower	Upper
113	100		
55	170.8	152.9	192.9
56	130.4	106.6	146.6

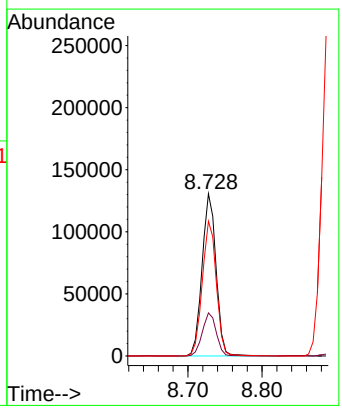


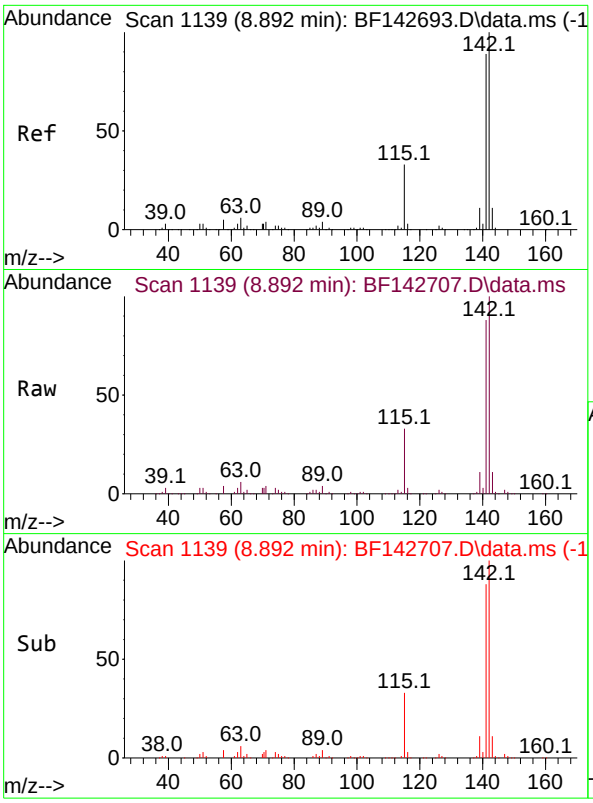


#36
4-Chloro-3-methylphenol
Concen: 43.241 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:107 Resp: 171637

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.5	32.3
142	83.0	65.5	98.3



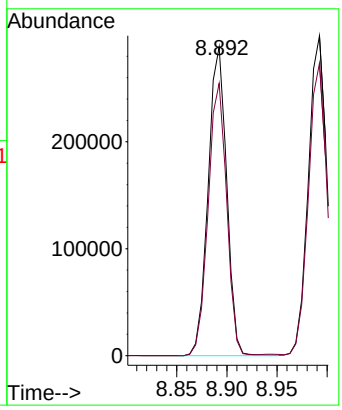


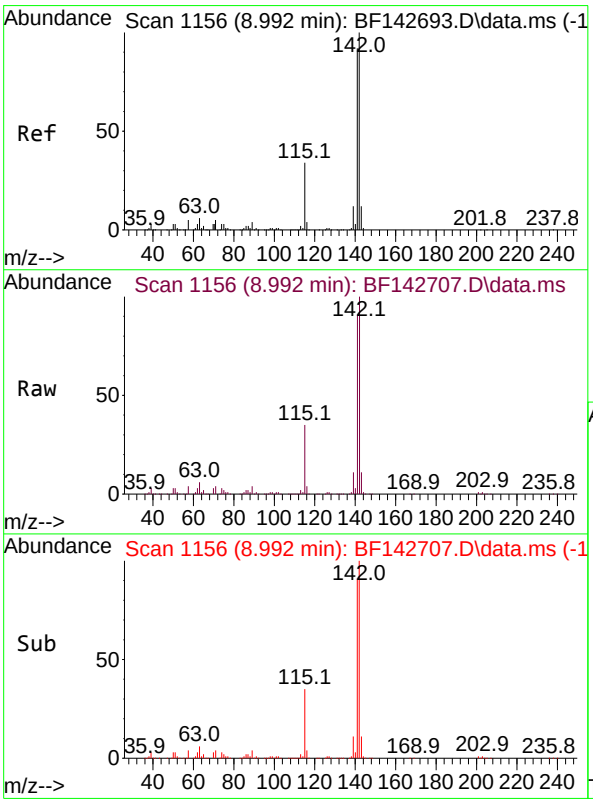
#37
2-Methylnaphthalene
Concen: 43.904 ng
RT: 8.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:142 Resp: 371697

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2

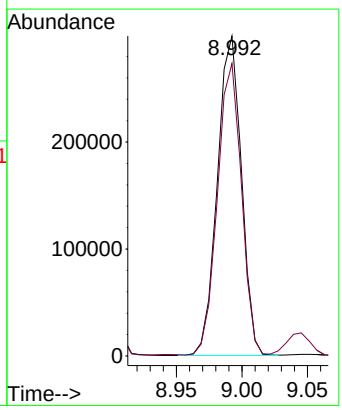


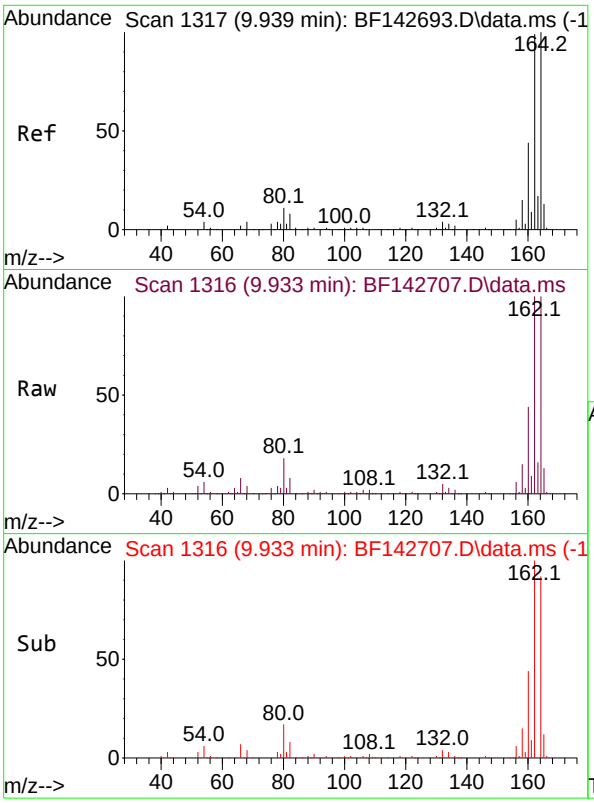


#38
1-Methylnaphthalene
Concen: 43.375 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:142 Resp: 380265

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.7	110.5



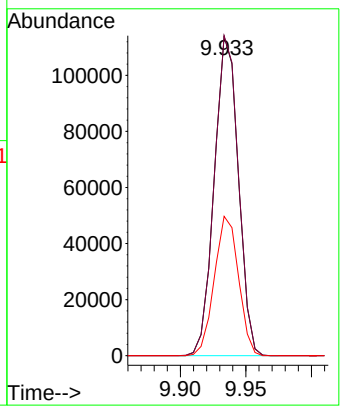


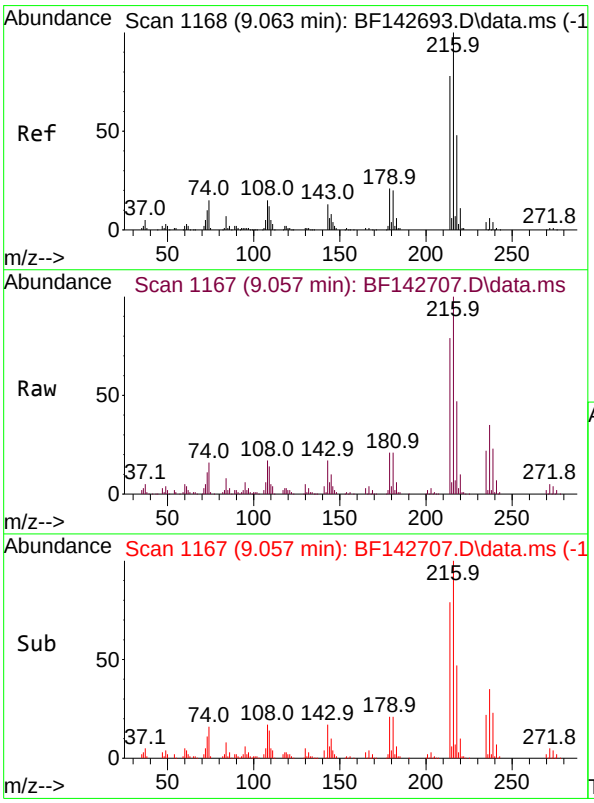
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:164 Resp: 145075

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.1	118.7
160	43.7	35.4	53.0

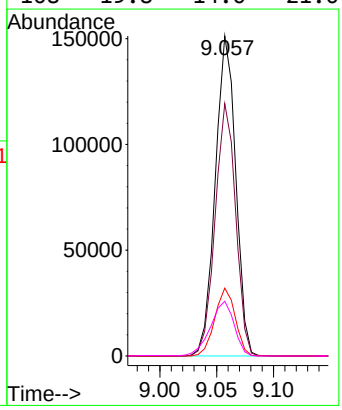


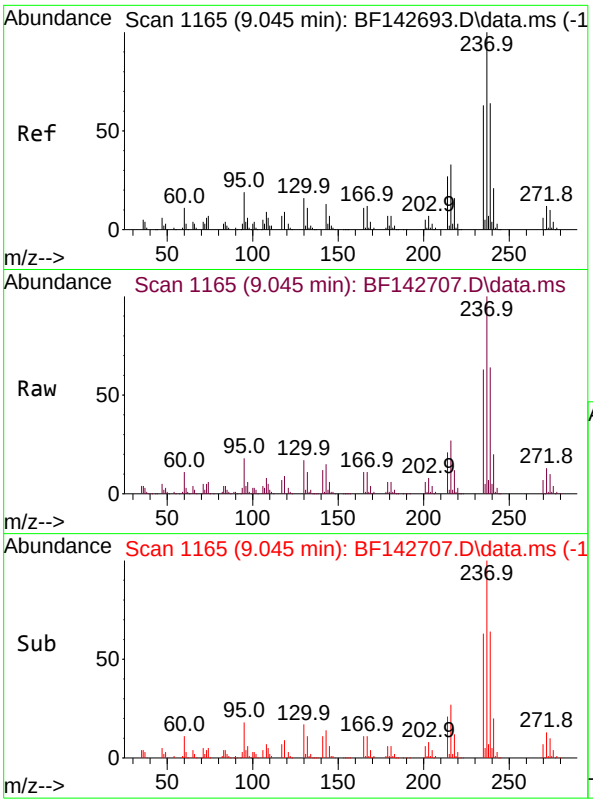


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.315 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:216 Resp: 189986

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	21.1	16.6	25.0
108	19.8	14.0	21.0



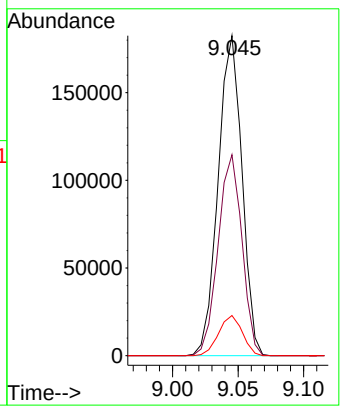


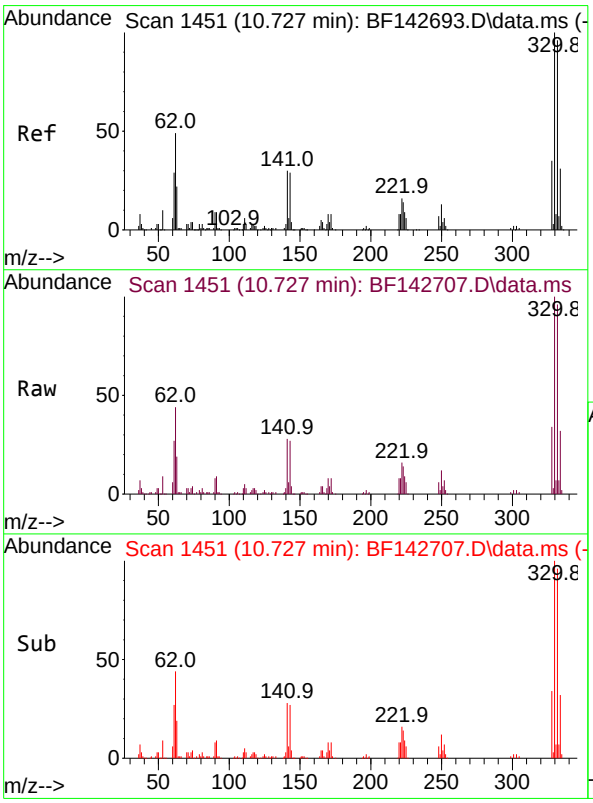
#41
Hexachlorocyclopentadiene
Concen: 93.671 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:237 Resp: 230626

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.1	83.1
272	12.5	0.0	32.5

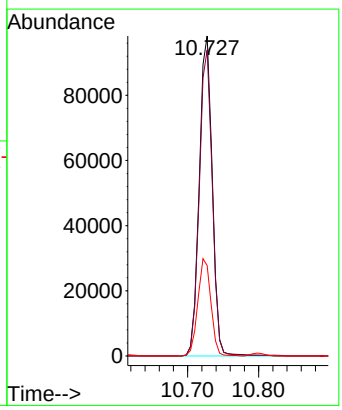


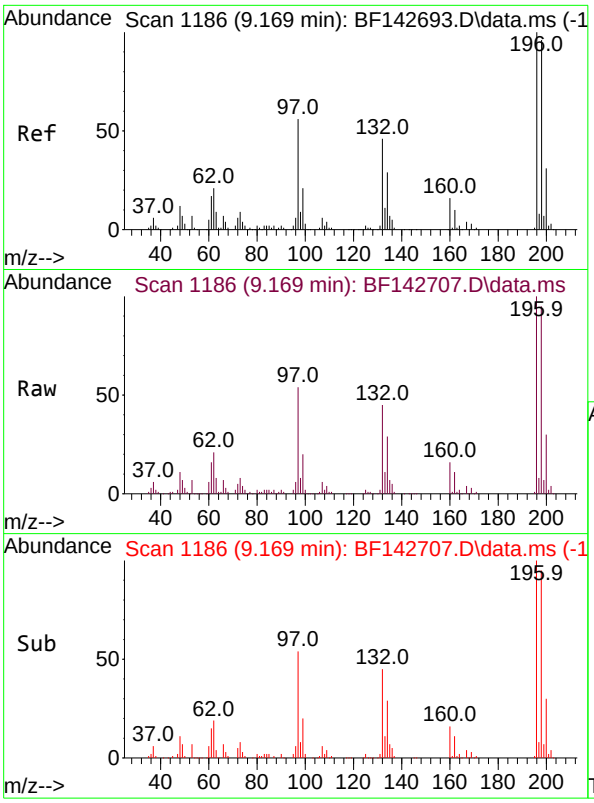


#42
2,4,6-Tribromophenol
Concen: 76.874 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:330 Resp: 125299

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	30.5	23.5	35.3



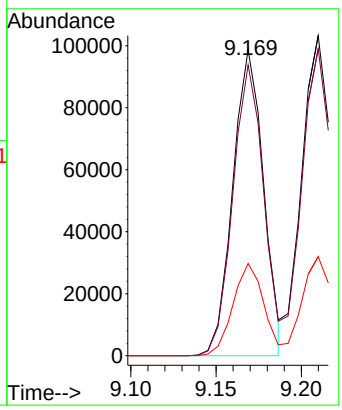


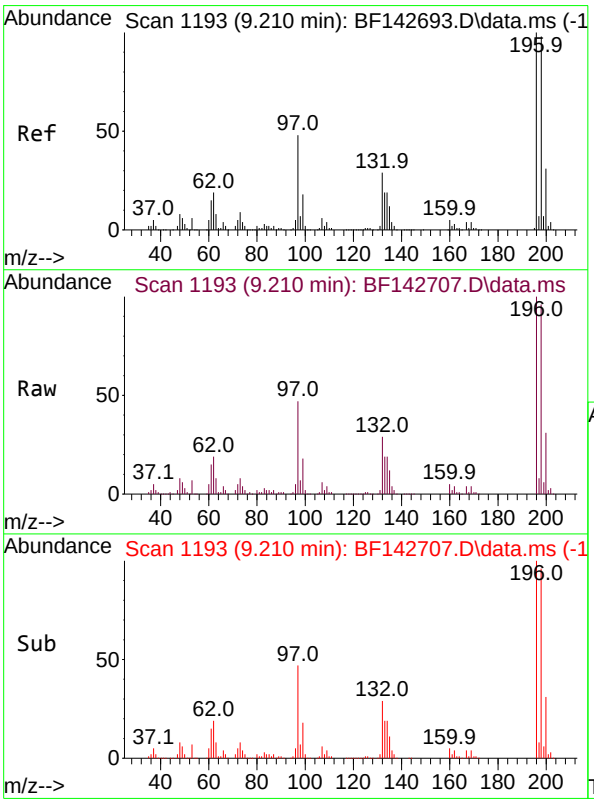
#43
2,4,6-Trichlorophenol
Concen: 44.916 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:196 Resp: 123561

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.1	115.7
200	30.1	24.5	36.7

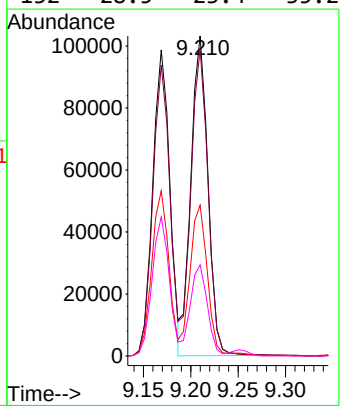


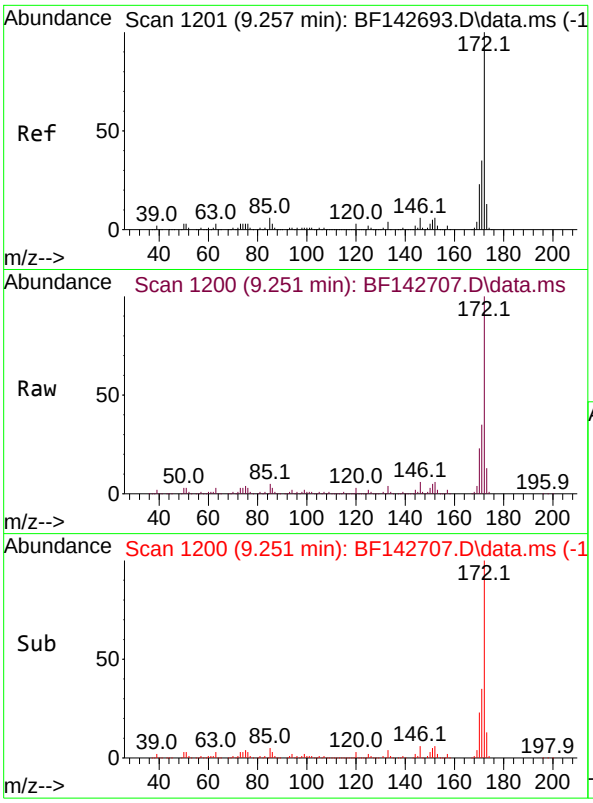


#44
2,4,5-Trichlorophenol
Concen: 44.123 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:196 Resp: 129648

Ion	Ratio	Lower	Upper
196	100		
198	95.9	78.2	117.2
97	47.1	39.2	58.8
132	28.5	23.4	35.2



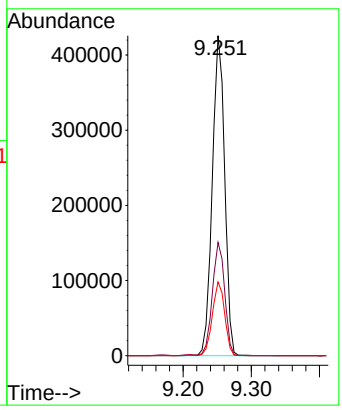


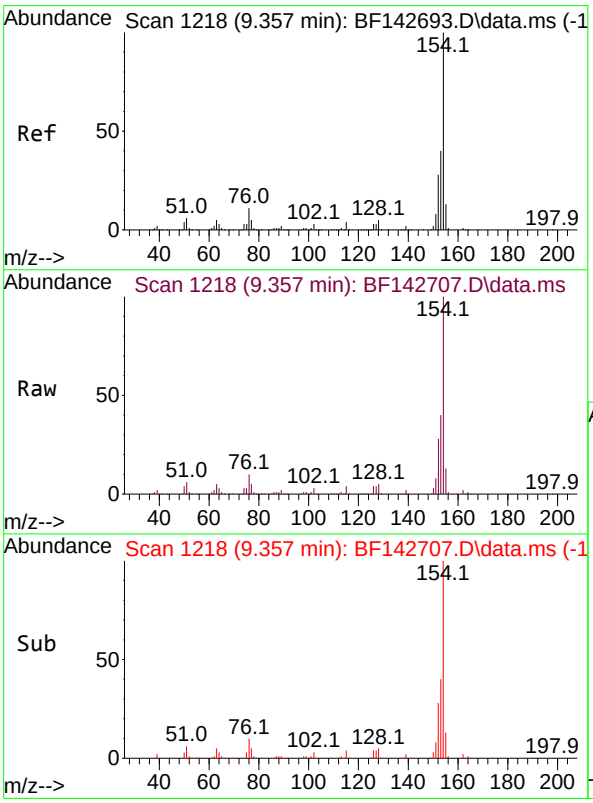
#45
2-Fluorobiphenyl
Concen: 50.734 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:172 Resp: 538196

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.0	18.7	28.1

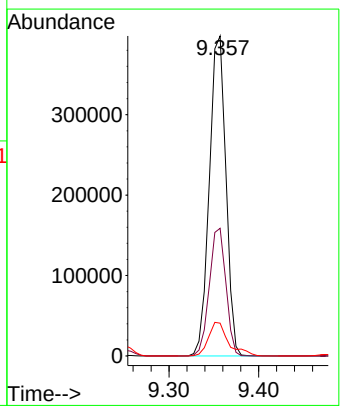


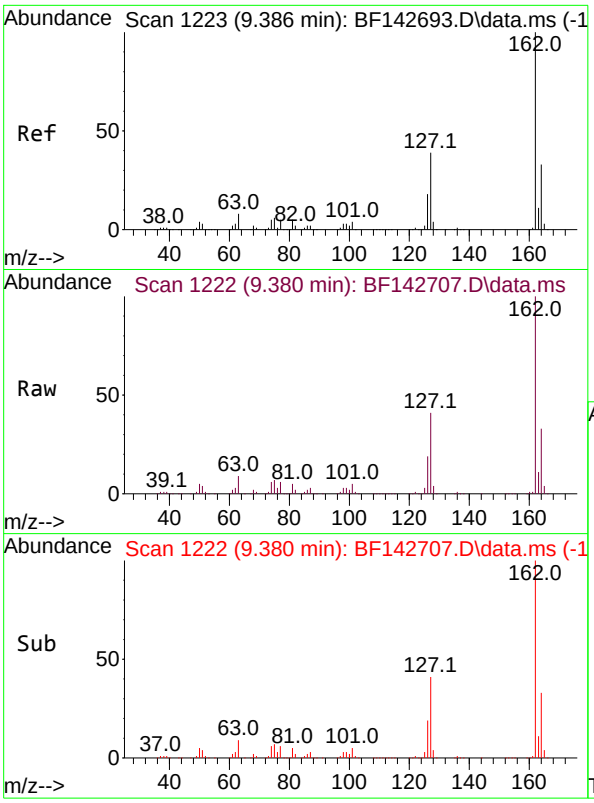


#46
1,1'-Biphenyl
Concen: 45.281 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:154 Resp: 510817

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.4	60.4
76	10.2	0.0	31.4



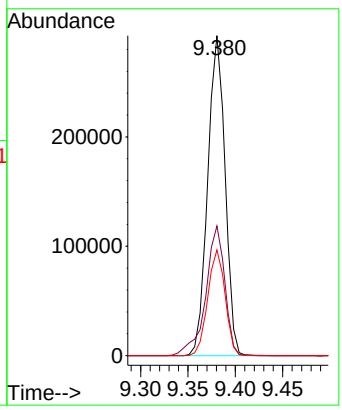


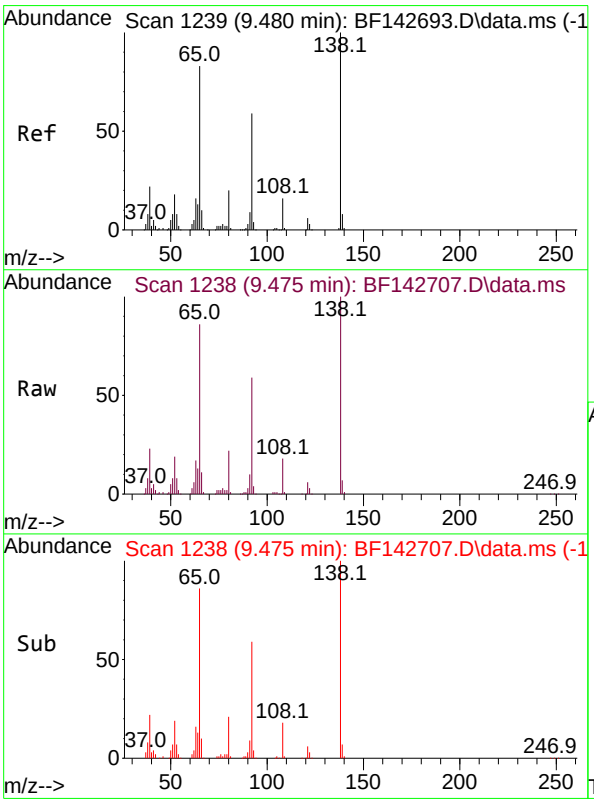
#47
2-Chloronaphthalene
Concen: 44.047 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:162 Resp: 372308

Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.7	47.5
164	33.1	26.2	39.4

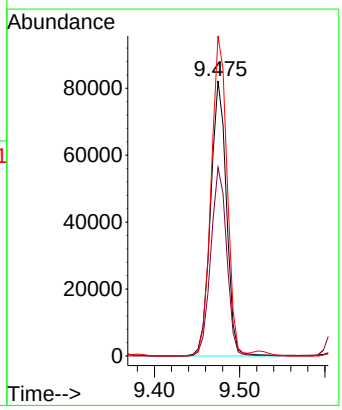


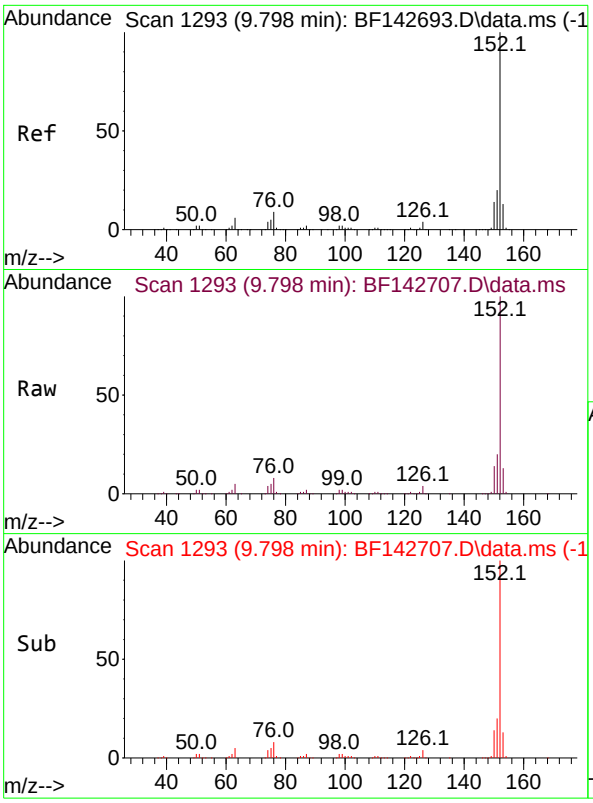


#48
2-Nitroaniline
Concen: 42.246 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion: 65 Resp: 106260

Ion	Ratio	Lower	Upper
65	100		
92	68.5	56.3	84.5
138	116.3	95.9	143.9



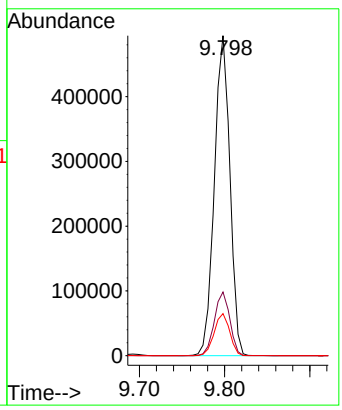


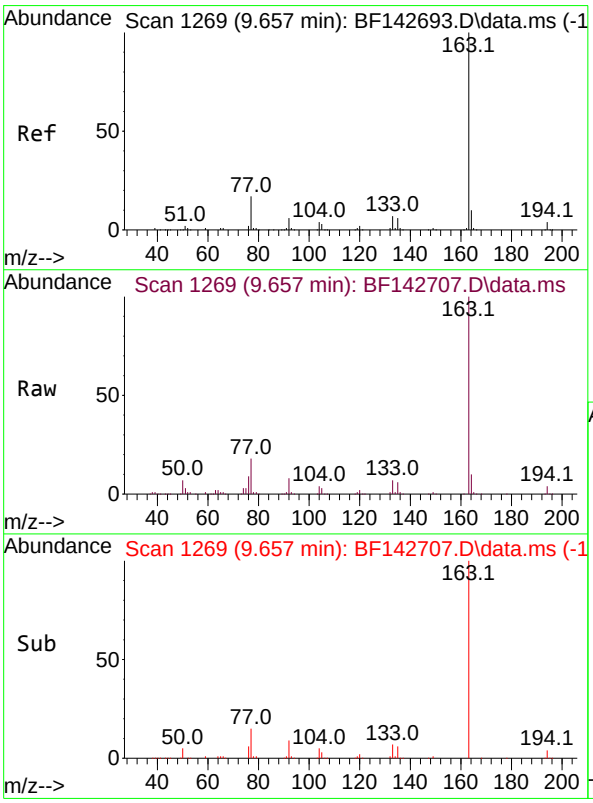
#49
Acenaphthylene
Concen: 44.657 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:152 Resp: 625589

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

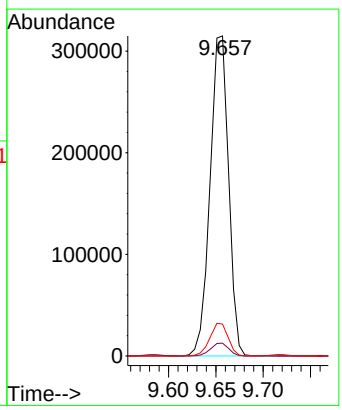


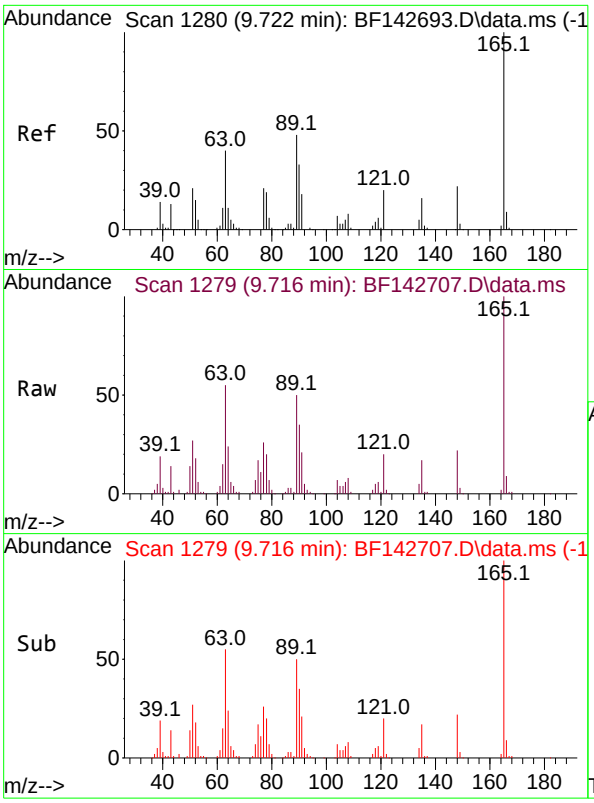


#50
Dimethylphthalate
Concen: 43.818 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:163 Resp: 427699

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.1	12.1



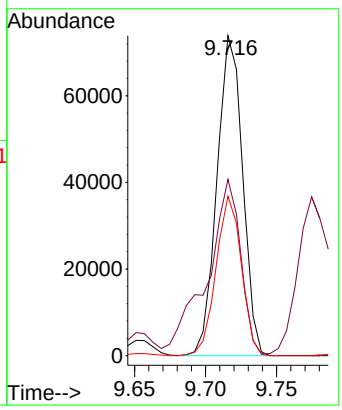


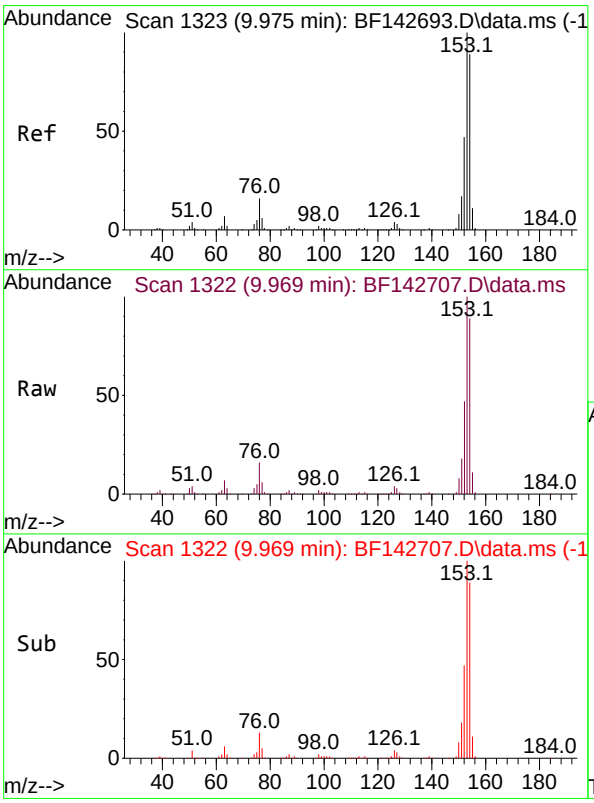
#51
2,6-Dinitrotoluene
Concen: 43.941 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:165 Resp: 92781

Ion	Ratio	Lower	Upper
165	100		
63	55.1	41.3	61.9
89	49.9	38.1	57.1

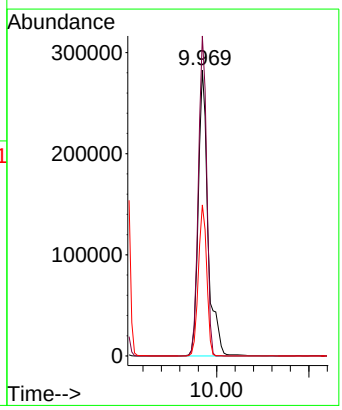


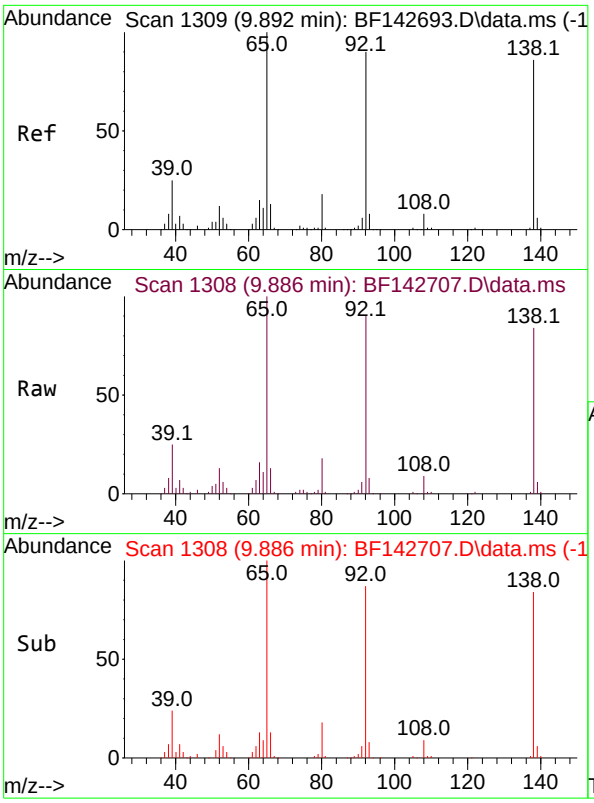


#52
Acenaphthene
Concen: 48.251 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:154 Resp: 413493

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.5	134.3
152	52.8	41.8	62.8



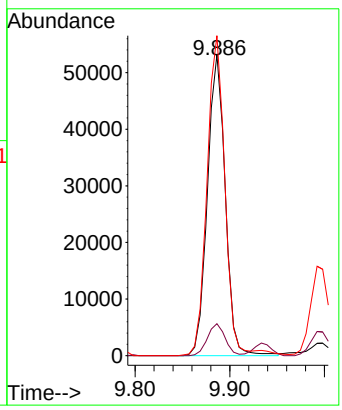


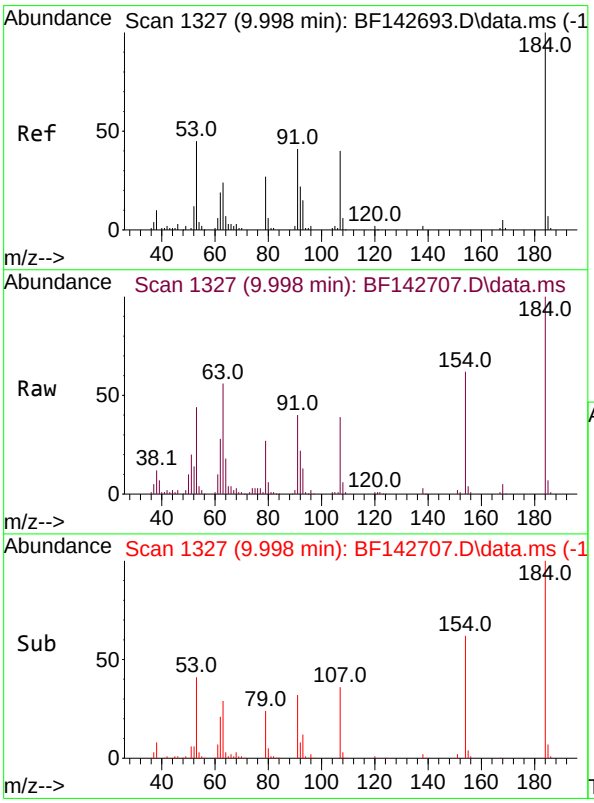
#53
3-Nitroaniline
Concen: 29.227 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:138 Resp: 69342

Ion	Ratio	Lower	Upper
138	100		
108	10.6	7.7	11.5
92	106.3	83.4	125.0

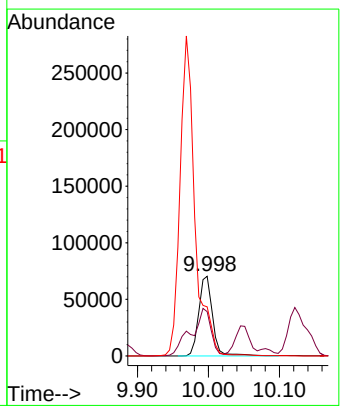


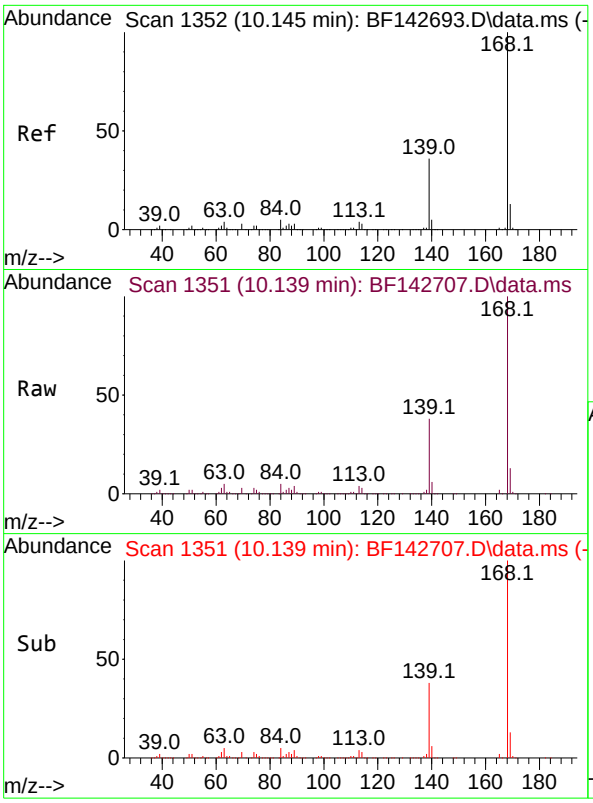


#54
2,4-Dinitrophenol
Concen: 82.076 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:184 Resp: 95949

Ion	Ratio	Lower	Upper
184	100		
63	55.7	47.4	71.0
154	61.7	48.6	73.0



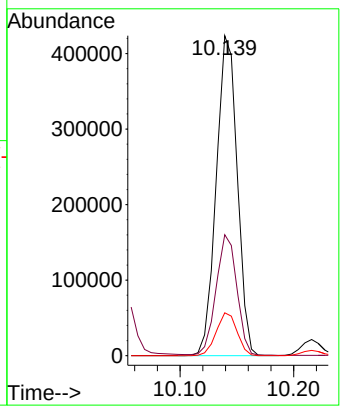


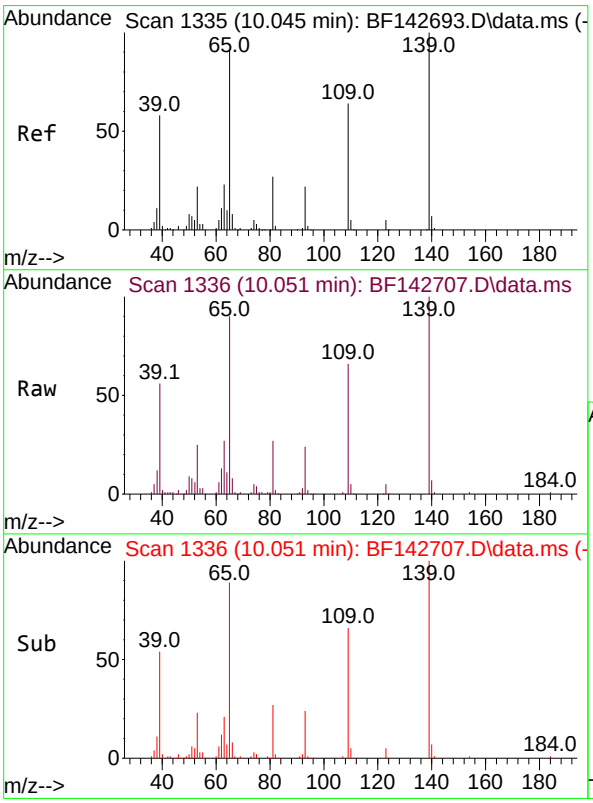
#55
Dibenzofuran
Concen: 44.314 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:168 Resp: 544806

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.2	43.8
169	13.4	10.7	16.1

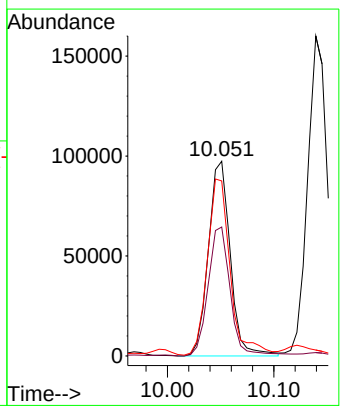


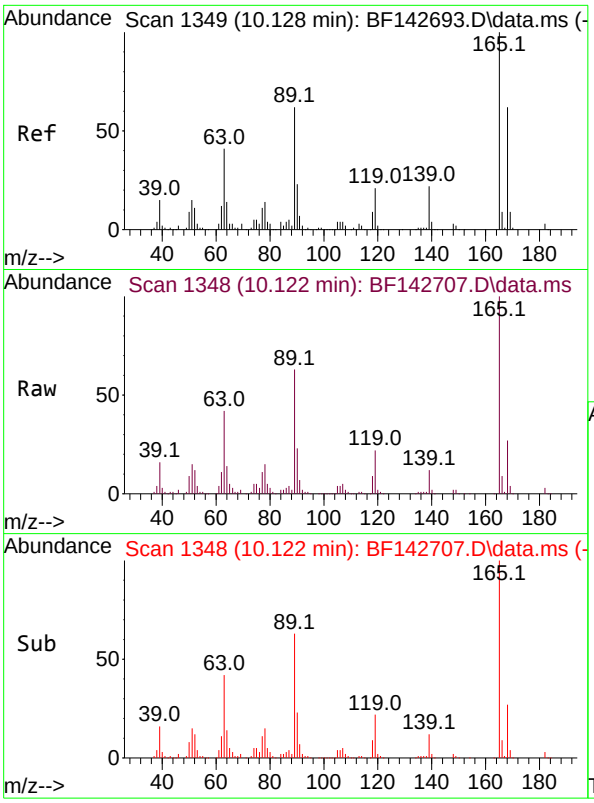


#56
4-Nitrophenol
Concen: 85.199 ng
RT: 10.051 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:139 Resp: 138939

Ion	Ratio	Lower	Upper
139	100		
109	66.2	44.4	84.4
65	89.8	72.1	112.1



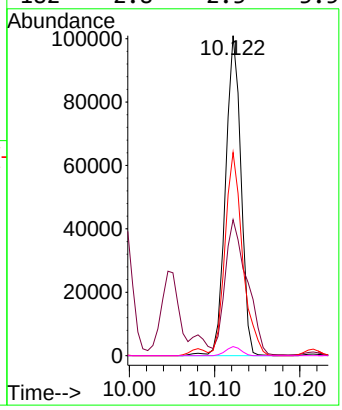


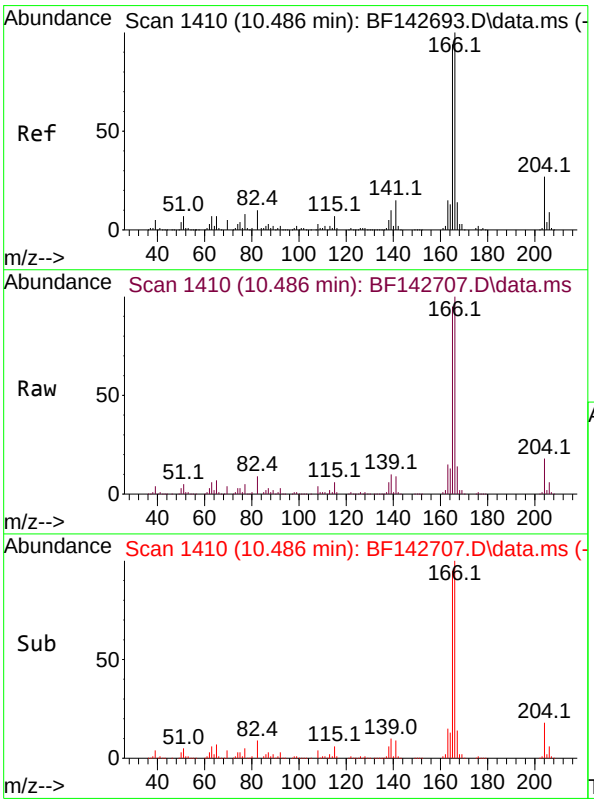
#57
2,4-Dinitrotoluene
Concen: 44.849 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:165 Resp: 126936

Ion	Ratio	Lower	Upper
165	100		
63	42.5	33.6	50.4
89	63.5	49.4	74.0
182	2.8	2.3	3.5

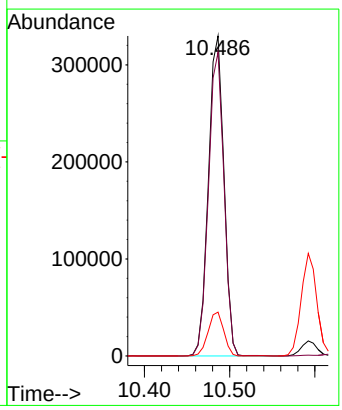


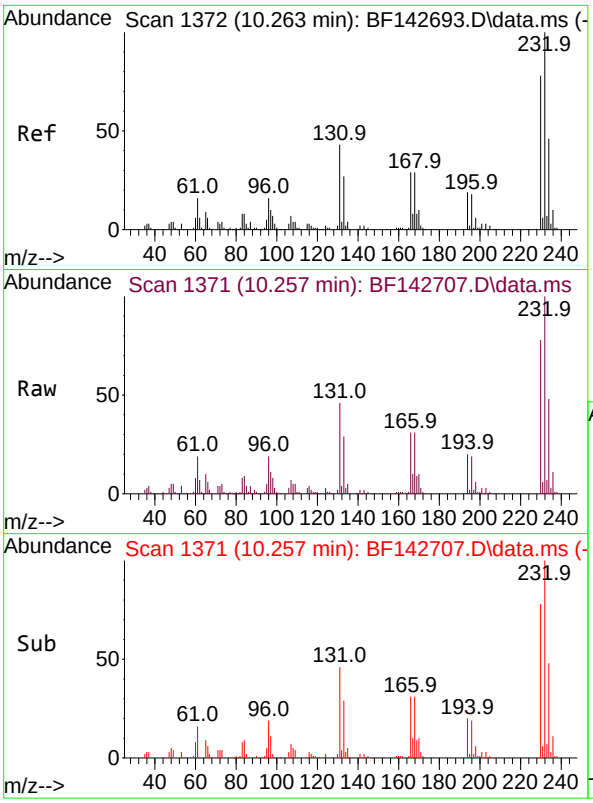


#58
Fluorene
Concen: 42.482 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:166 Resp: 417455

Ion	Ratio	Lower	Upper
166	100		
165	94.9	75.0	112.6
167	13.7	10.8	16.2



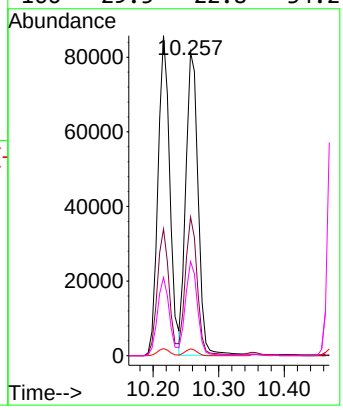


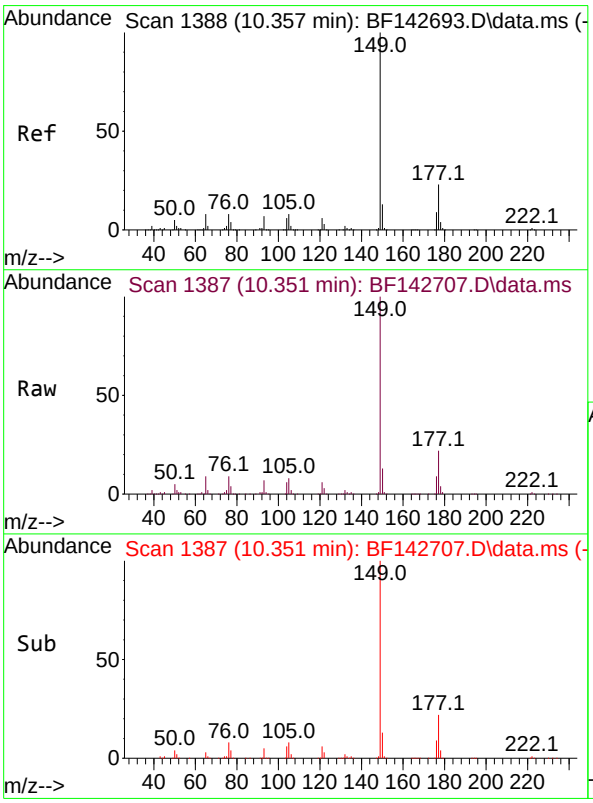
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.702 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:232 Resp: 105582

Ion	Ratio	Lower	Upper
232	100		
131	44.3	33.5	50.3
130	2.1	1.5	2.3
166	29.5	22.8	34.2

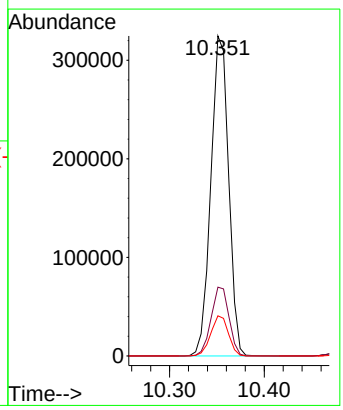


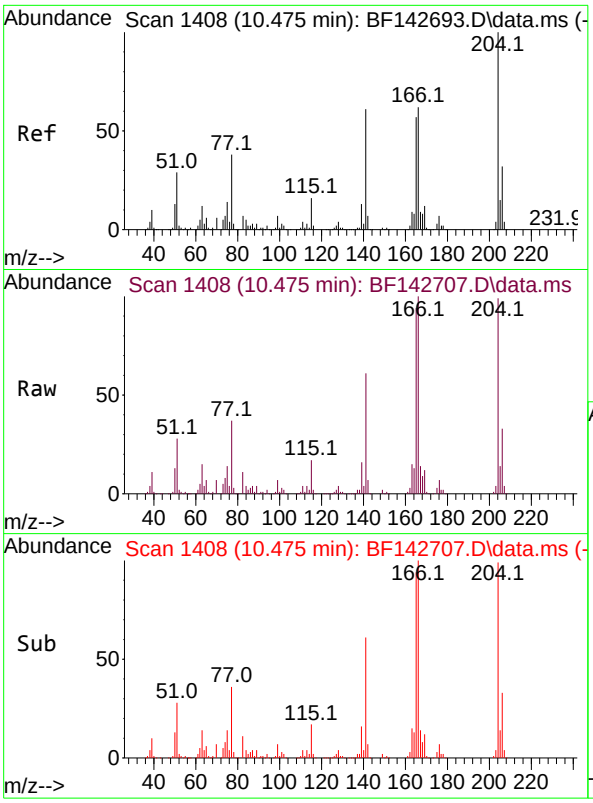


#60
Diethylphthalate
Concen: 44.667 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:149 Resp: 423266

Ion	Ratio	Lower	Upper
149	100		
177	21.5	18.0	27.0
150	12.6	10.0	15.0



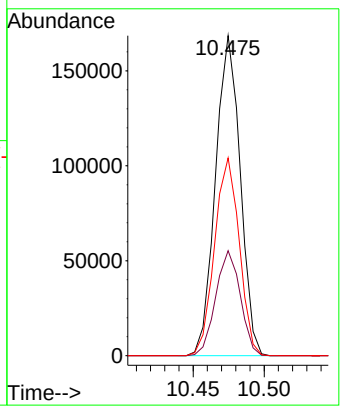


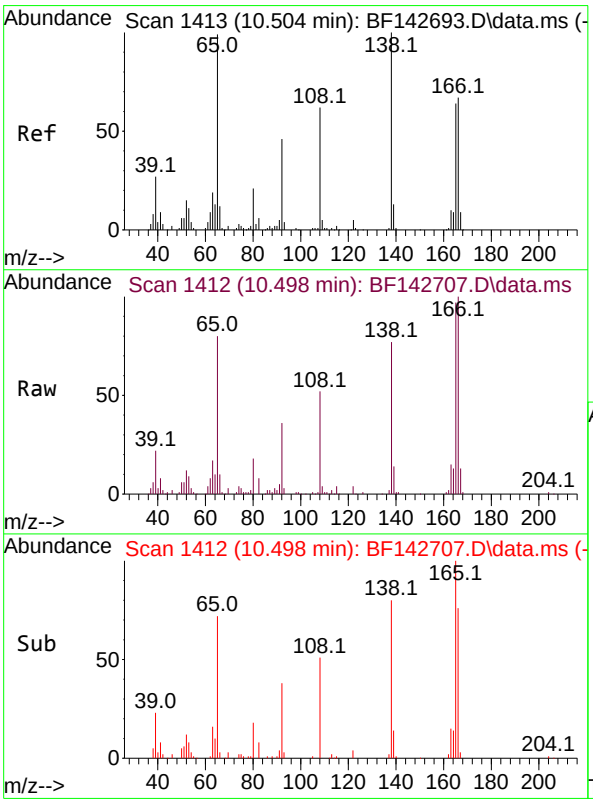
#61
4-Chlorophenyl-phenylether
Concen: 43.848 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:204 Resp: 203717

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.6	38.4
141	61.8	48.9	73.3

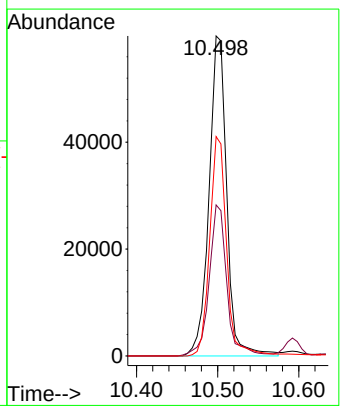


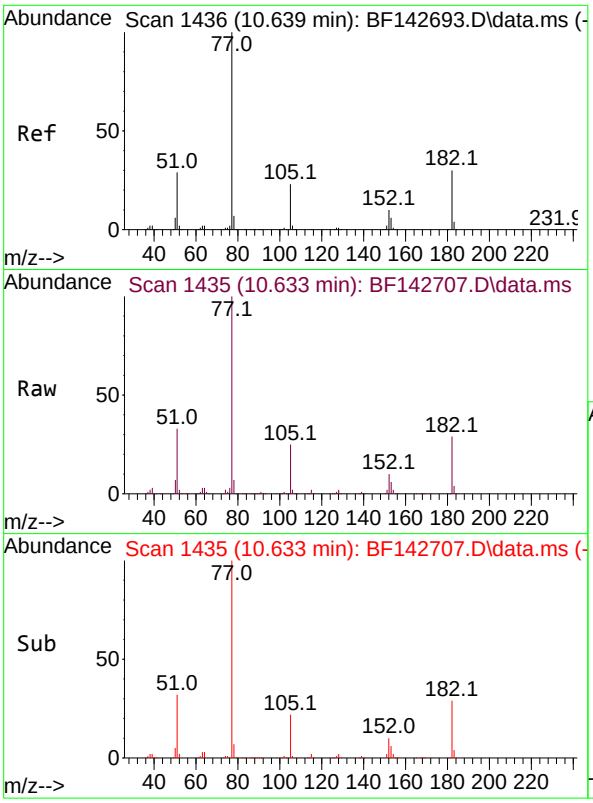


#62
4-Nitroaniline
Concen: 40.313 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:138 Resp: 90730

Ion	Ratio	Lower	Upper
138	100		
92	47.2	25.8	65.8
108	68.5	42.3	82.3



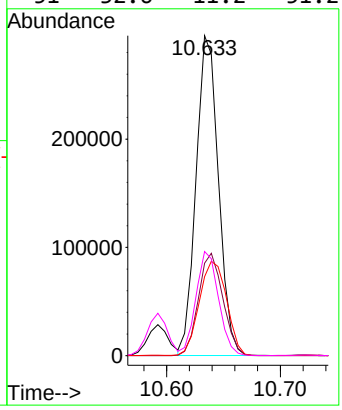


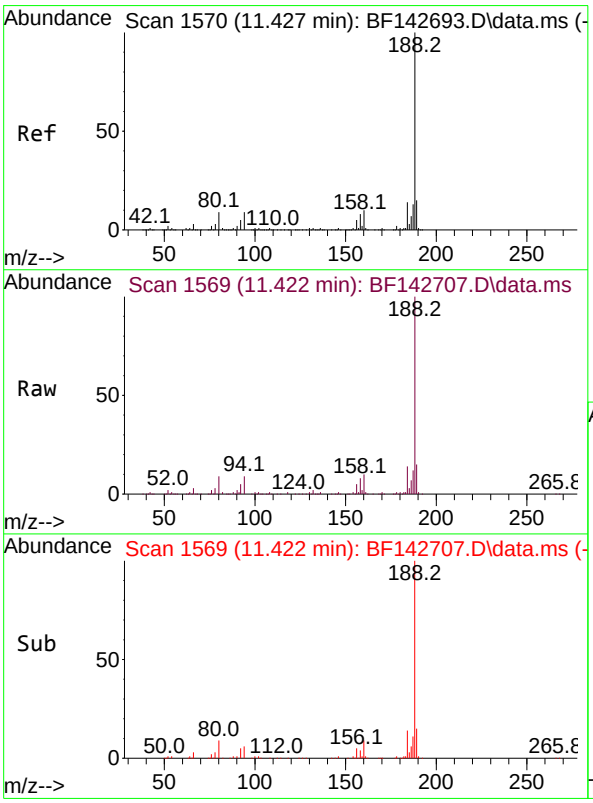
#63
Azobenzene
Concen: 47.665 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion: 77 Resp: 404594

Ion	Ratio	Lower	Upper
77	100		
182	28.9	9.5	49.5
105	24.7	2.3	42.3
51	32.6	11.2	51.2

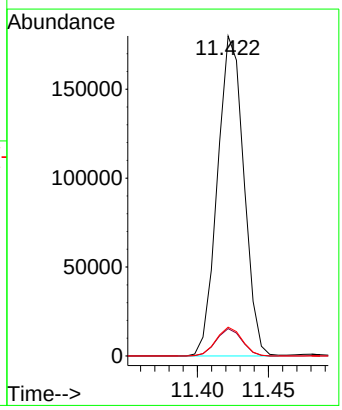


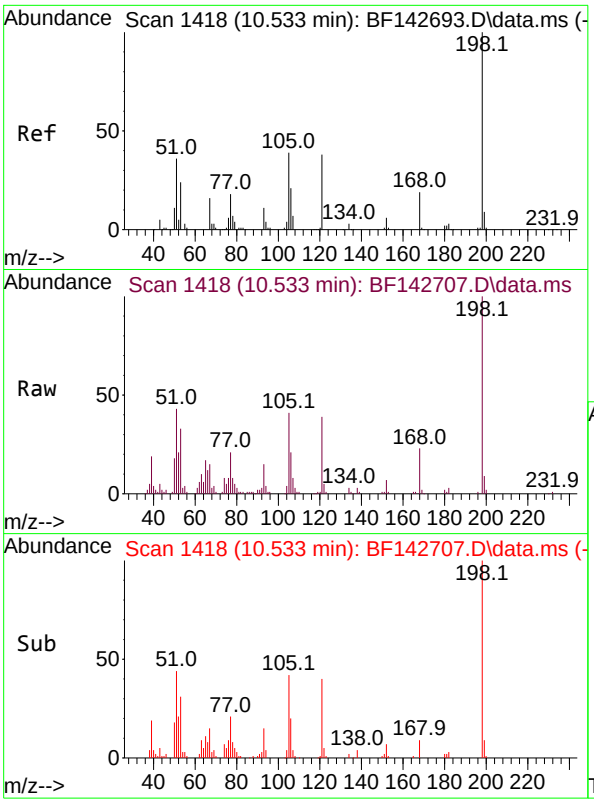


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:188 Resp: 232310

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.4
80	9.0	7.2	10.8



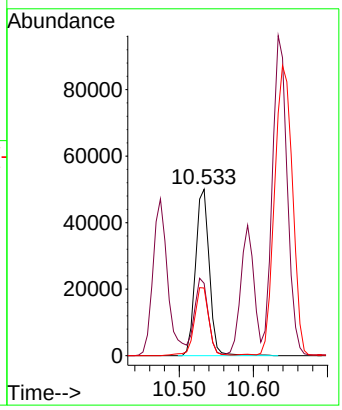


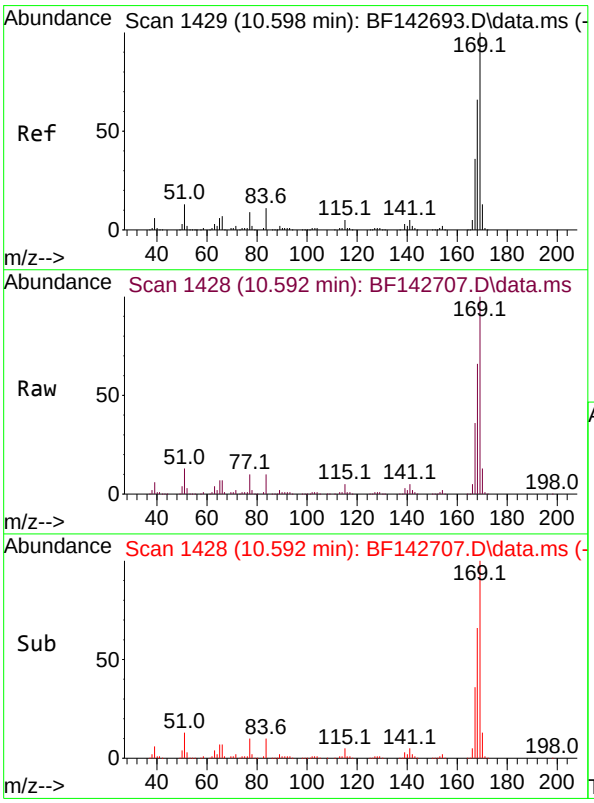
#65
4,6-Dinitro-2-methylphenol
Concen: 43.501 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:198 Resp: 64455

Ion	Ratio	Lower	Upper
198	100		
51	43.5	25.9	65.9
105	40.7	20.0	60.0

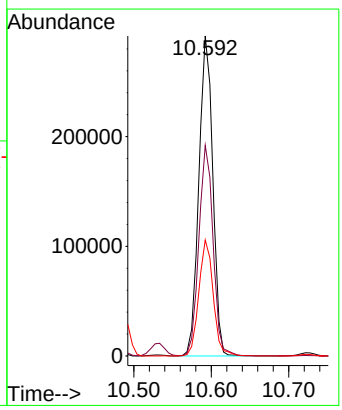


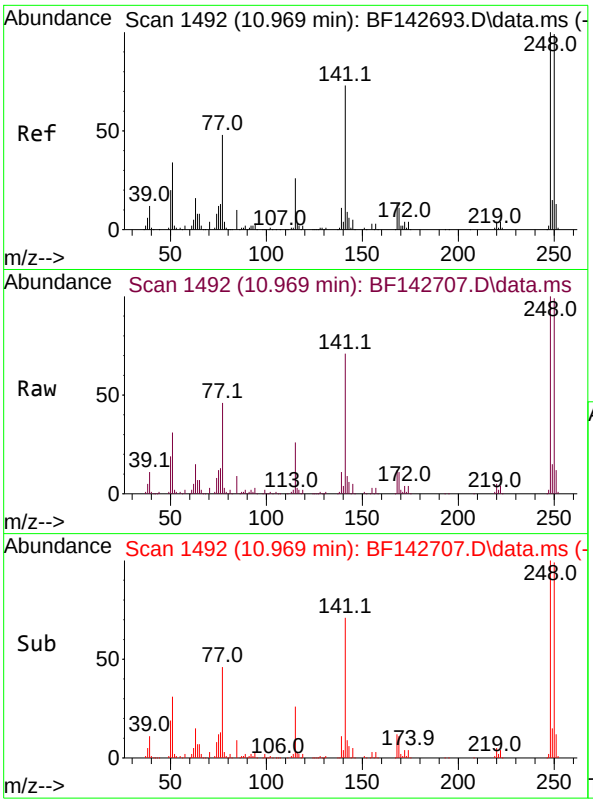


#66
n-Nitrosodiphenylamine
Concen: 48.550 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:169 Resp: 364150

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.1	79.7
167	36.2	28.4	42.6



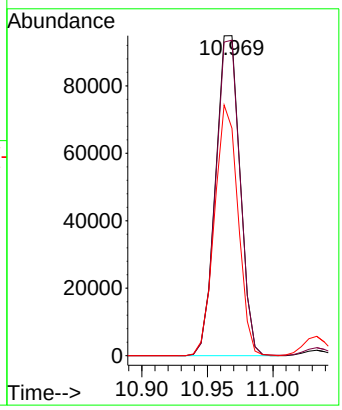


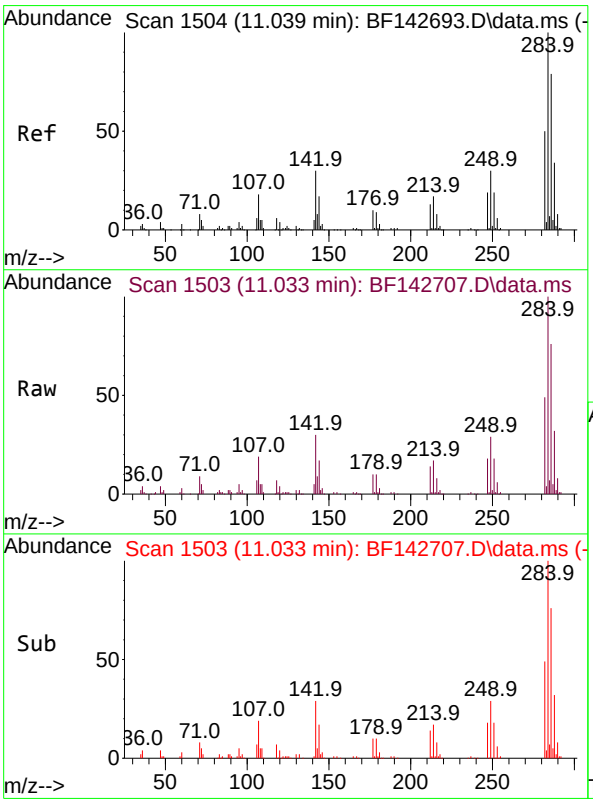
#67
4-Bromophenyl-phenylether
Concen: 47.703 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:248 Resp: 122488

Ion	Ratio	Lower	Upper
248	100		
250	98.6	79.1	118.7
141	71.0	58.5	87.7

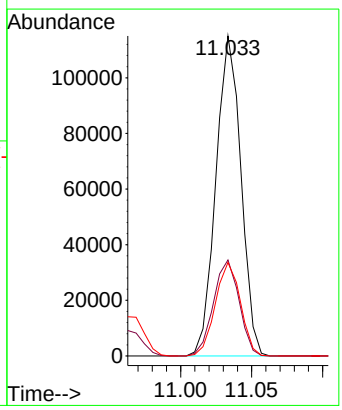


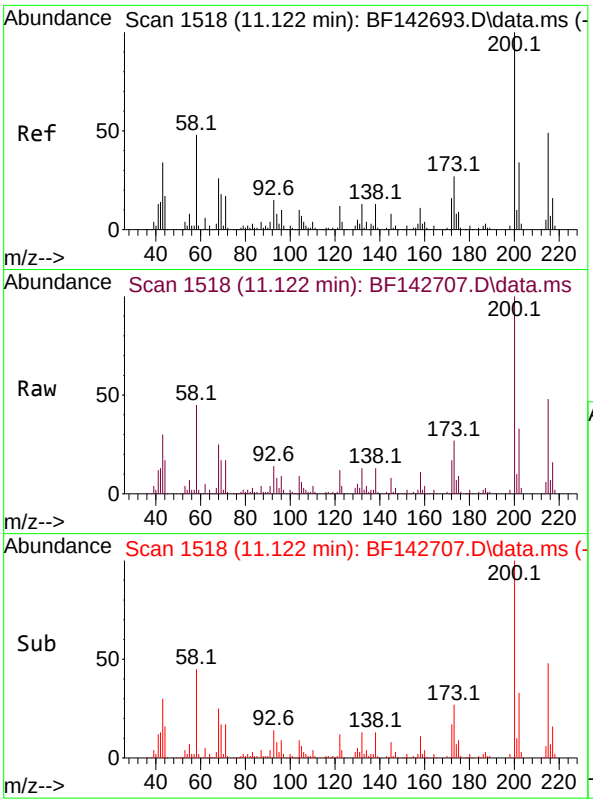


#68
Hexachlorobenzene
Concen: 47.723 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:284 Resp: 140803

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.6	35.4
249	29.2	23.8	35.8



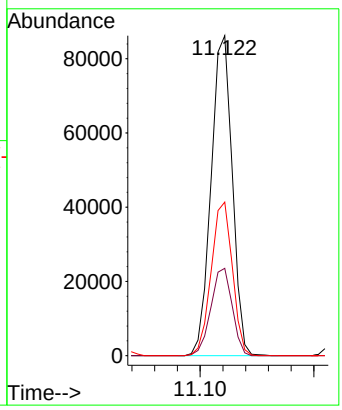


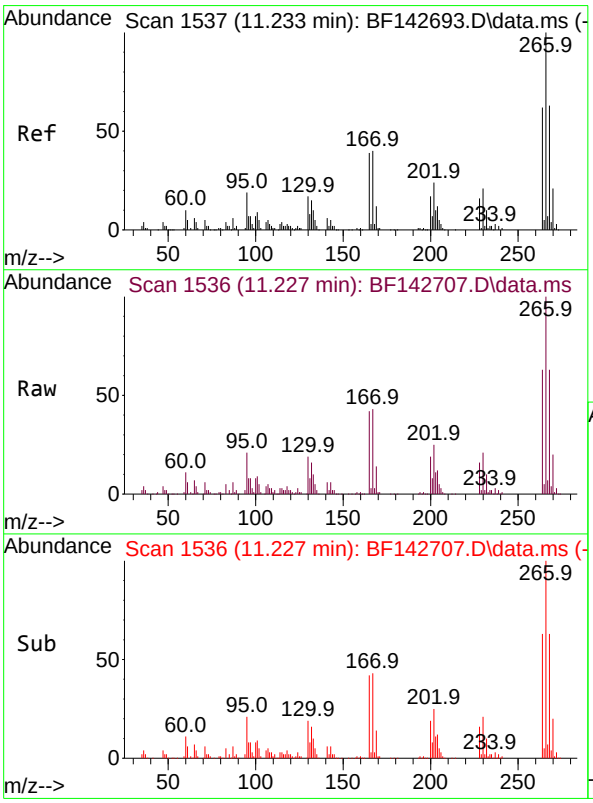
#69
Atrazine
Concen: 49.125 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:200 Resp: 111741

Ion	Ratio	Lower	Upper
200	100		
173	27.3	7.4	47.4
215	48.0	28.9	68.9

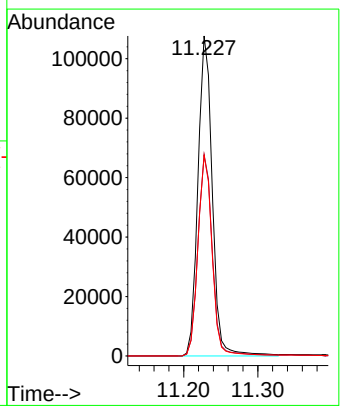


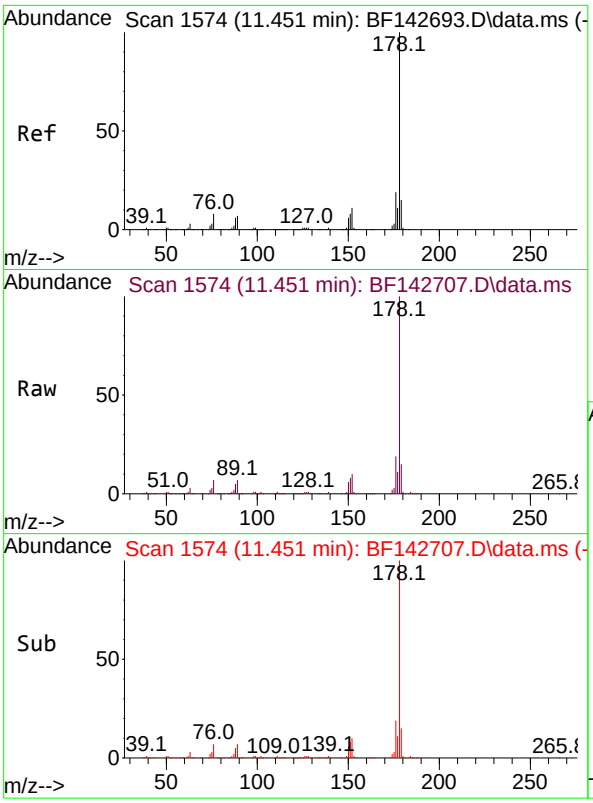


#70
Pentachlorophenol
Concen: 89.026 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:266 Resp: 144449

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.8	76.2
264	62.7	49.7	74.5



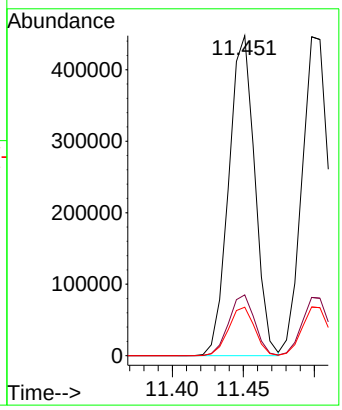


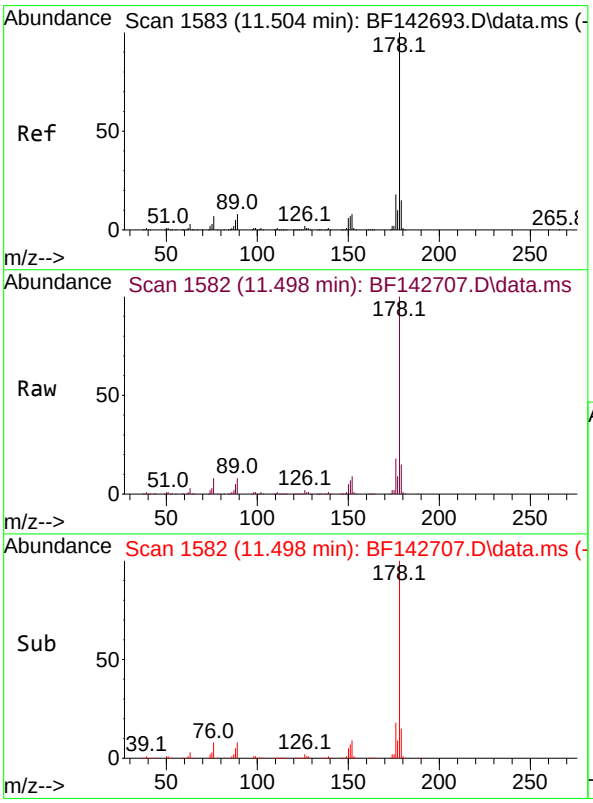
#71
Phenanthrene
Concen: 45.942 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:178 Resp: 570569

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.2	12.4	18.6

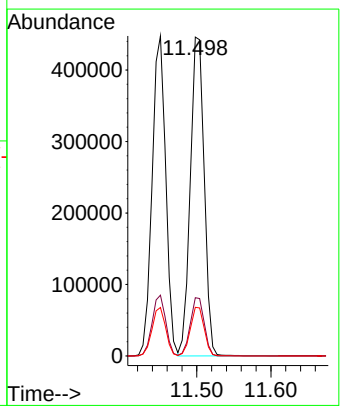


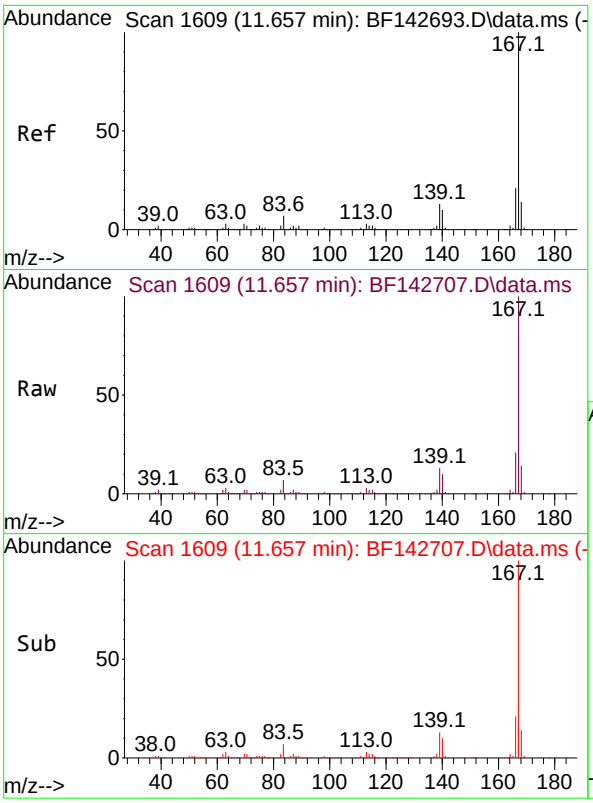


#72
Anthracene
Concen: 45.175 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:178 Resp: 582233

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.3	12.2	18.2



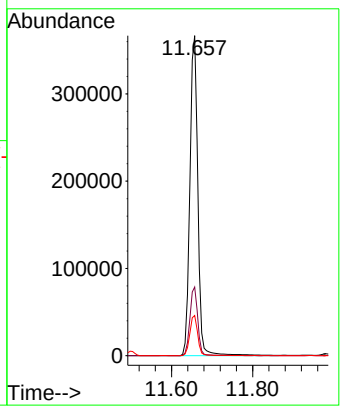


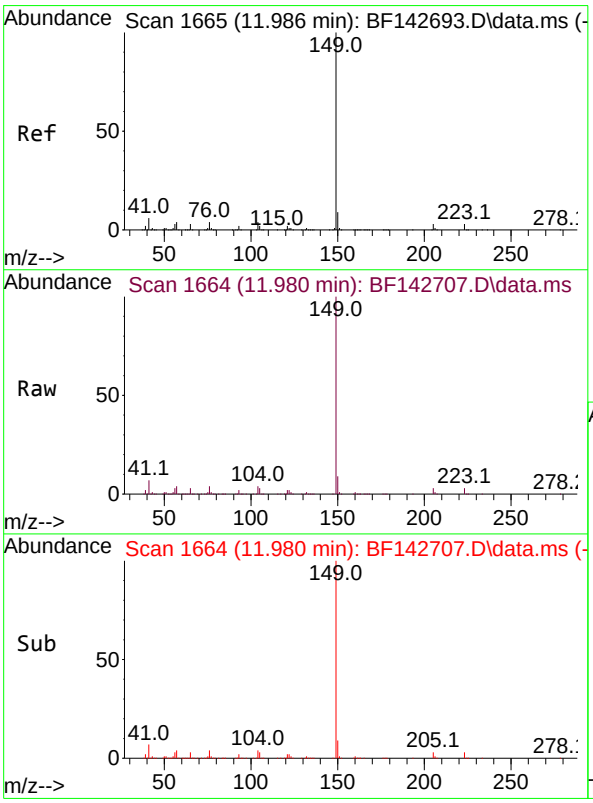
#73
Carbazole
Concen: 43.045 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:167 Resp: 499561

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	12.5	10.1	15.1

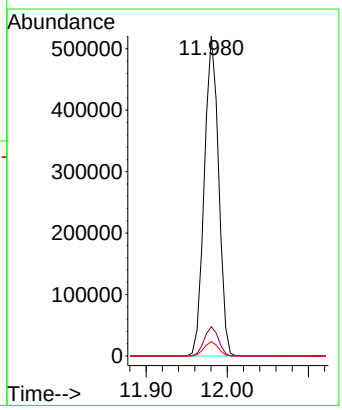


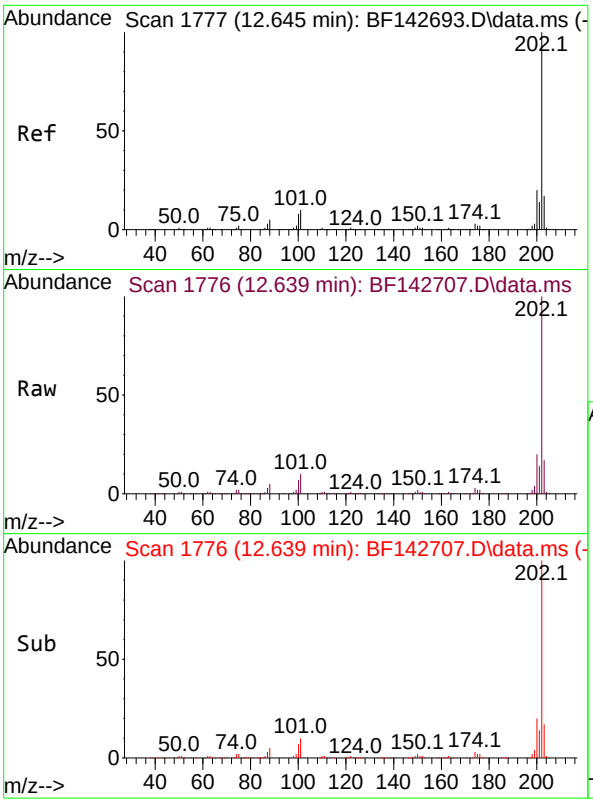


#74
Di-n-butylphthalate
Concen: 51.543 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:149 Resp: 635033

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.4	3.3	4.9



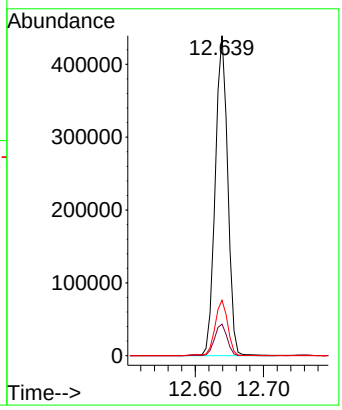


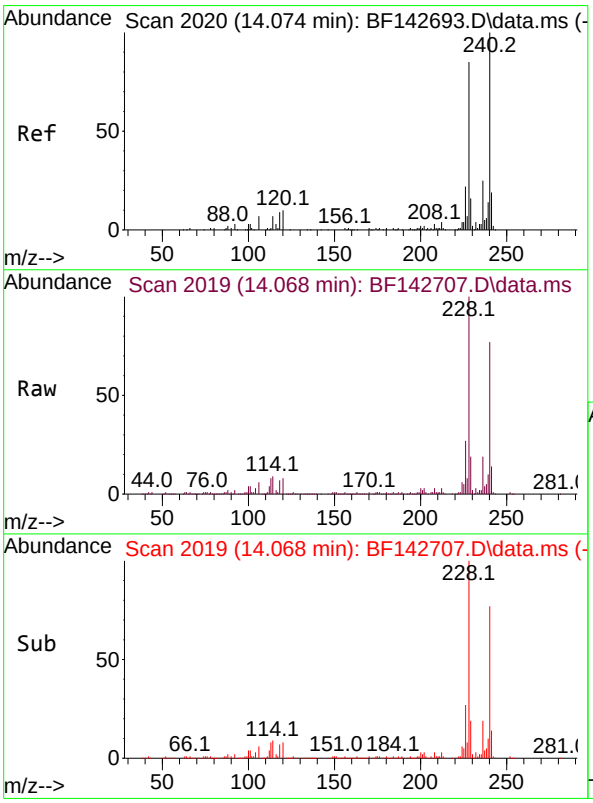
#75
Fluoranthene
Concen: 44.920 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:202 Resp: 558947

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
203	17.3	0.0	37.3

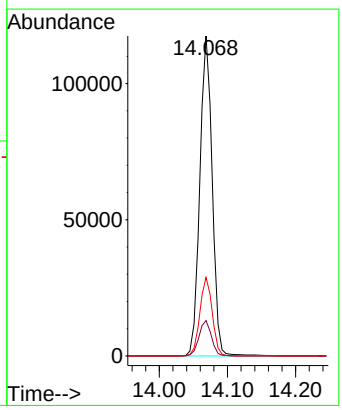


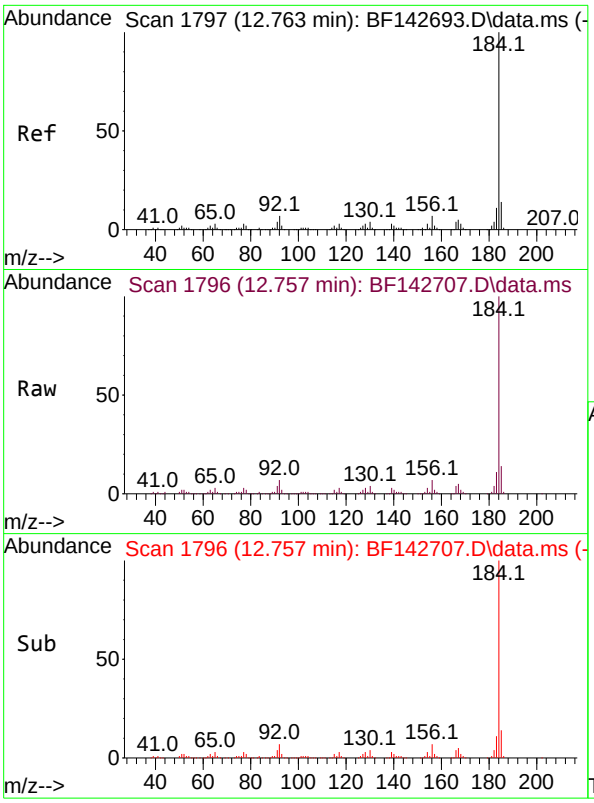


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:240 Resp: 148312

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.4	12.6
236	24.6	20.2	30.2



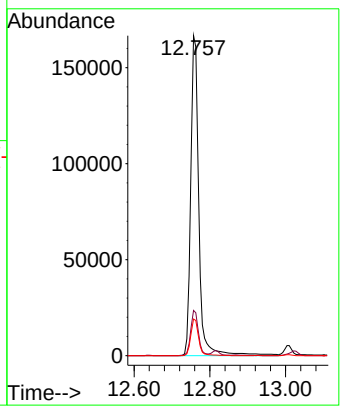


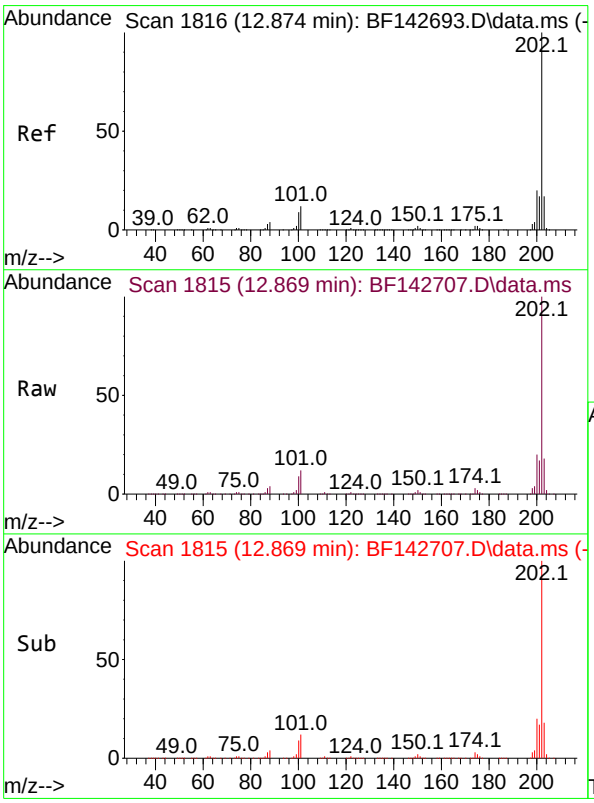
#77
Benzidine
Concen: 48.519 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:184 Resp: 248352

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.4	8.9	13.3

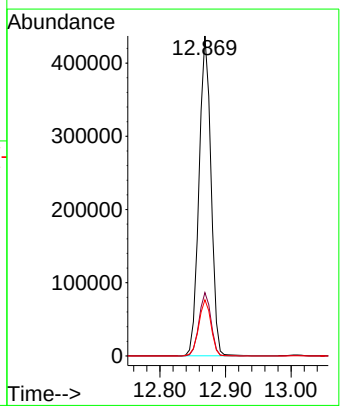


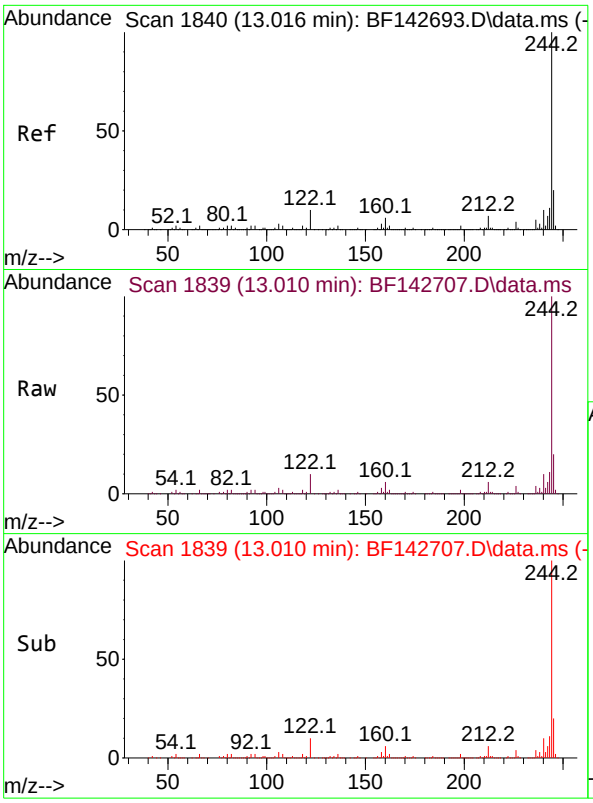


#78
Pyrene
Concen: 45.977 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:202 Resp: 555639

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.1	24.1
203	17.5	13.9	20.9



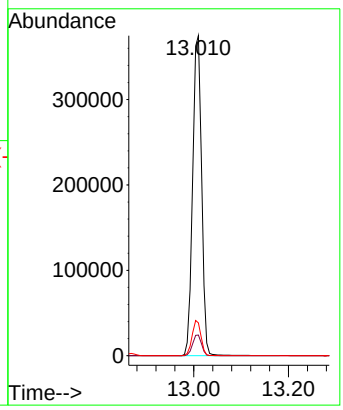


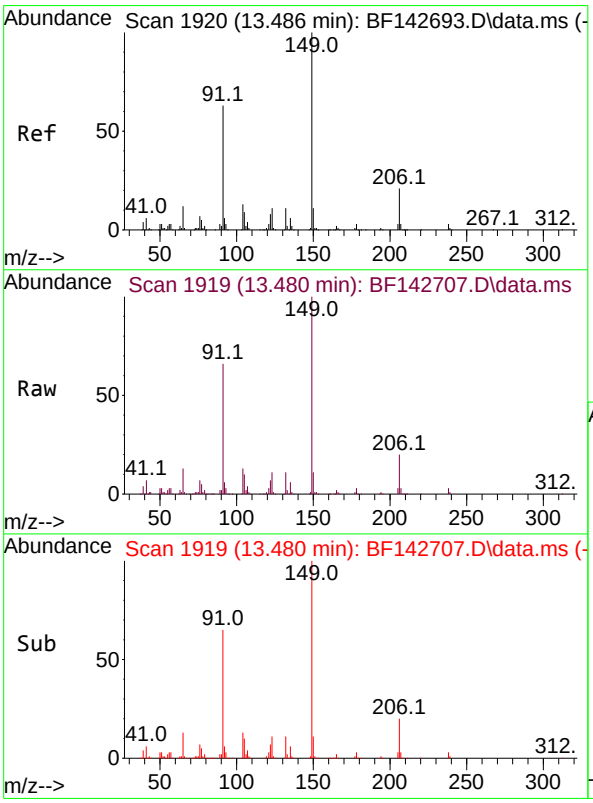
#79
Terphenyl-d14
Concen: 52.383 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:244 Resp: 491238

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.3	8.2	12.2

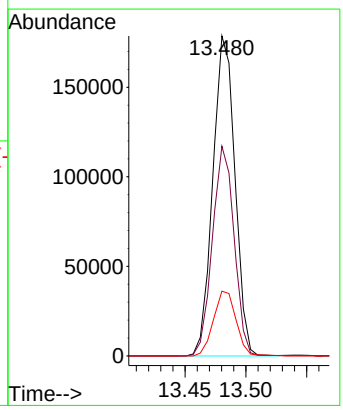


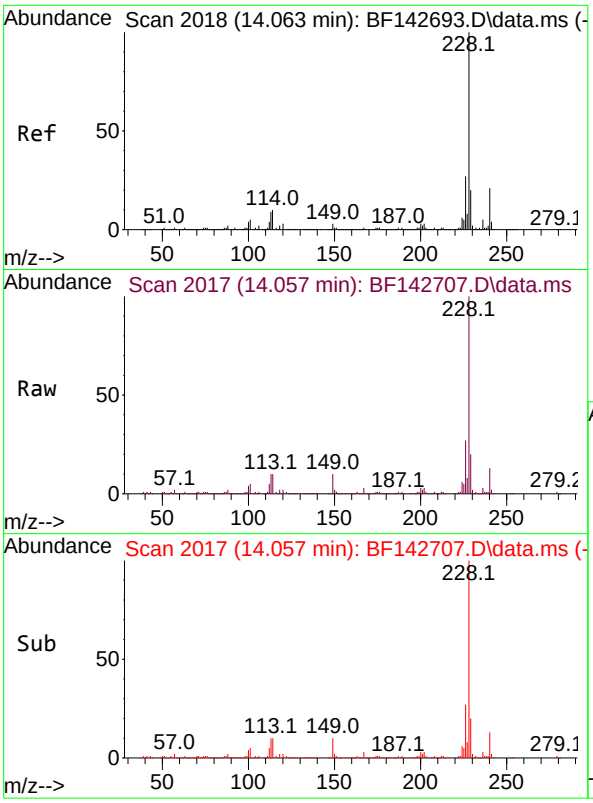


#80
Butylbenzylphthalate
Concen: 60.697 ng
RT: 13.480 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:149 Resp: 225894

Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.5	75.7
206	20.3	16.9	25.3



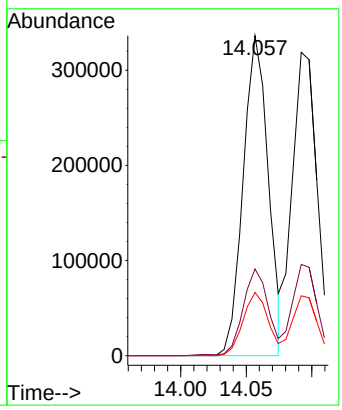


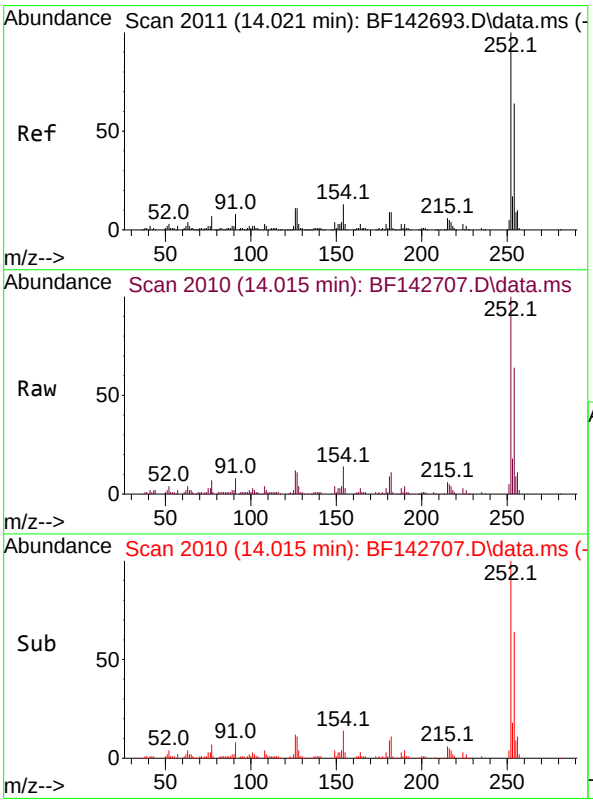
#81
Benzo(a)anthracene
Concen: 46.564 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:228 Resp: 448189

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.8	15.8	23.6

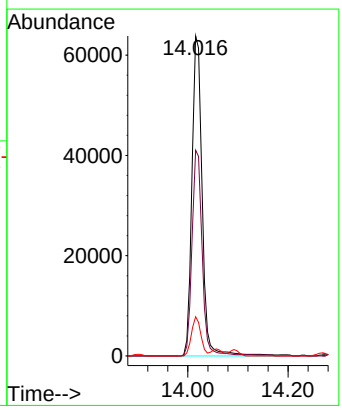


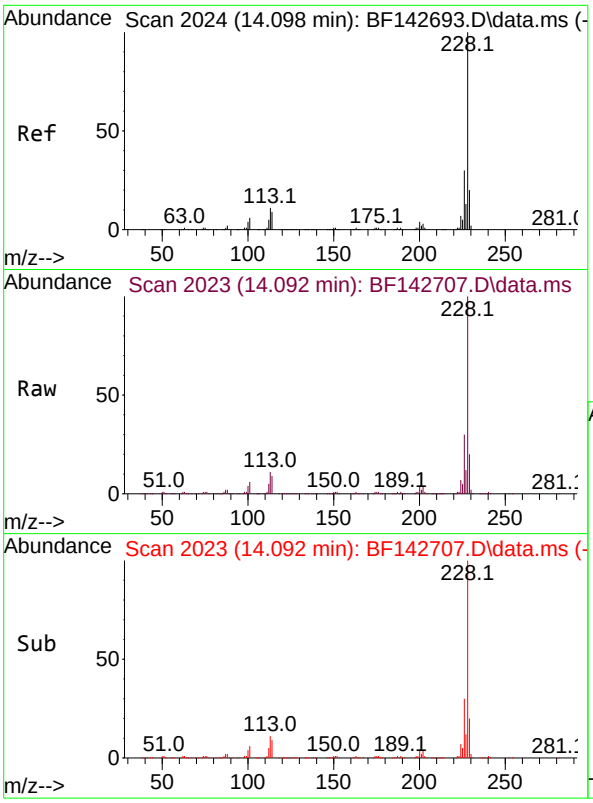


#82
3,3'-Dichlorobenzidine
Concen: 29.440 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:252 Resp: 90579

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	12.2	9.1	13.7



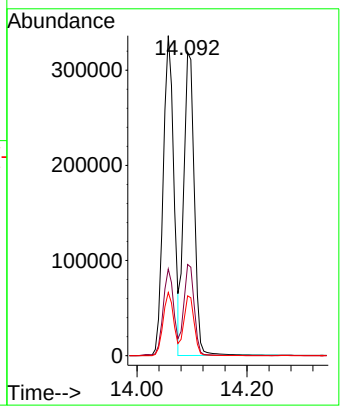


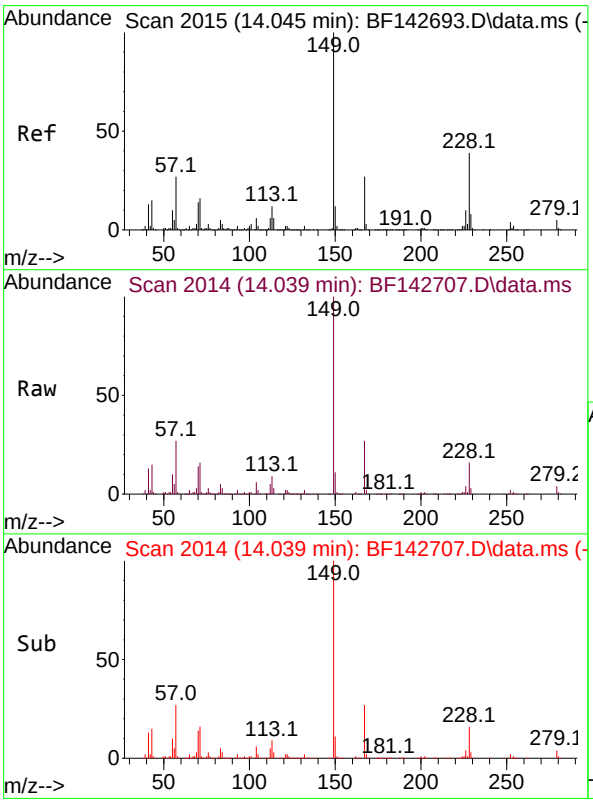
#83
Chrysene
Concen: 46.575 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:228 Resp: 424624

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	19.7	15.8	23.6

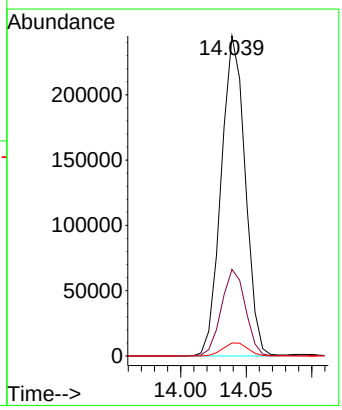


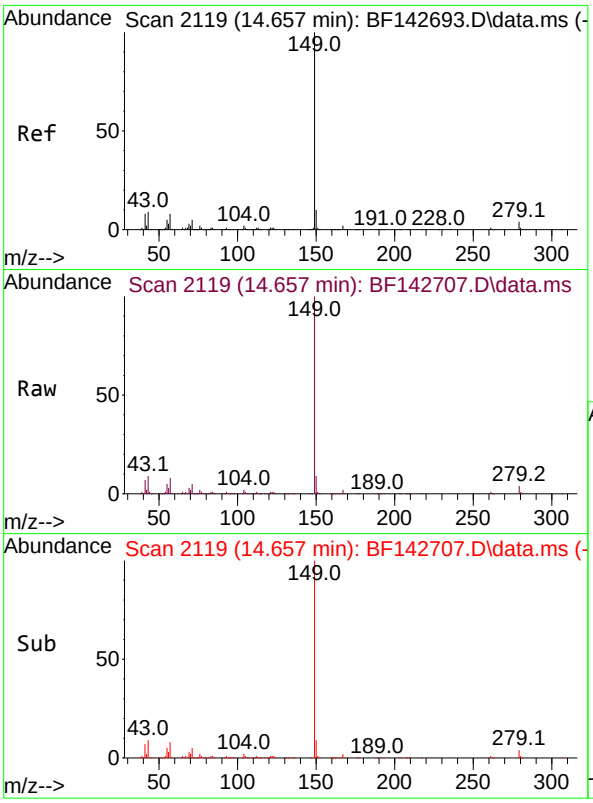


#84
Bis(2-ethylhexyl)phthalate
Concen: 73.457 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:149 Resp: 312126

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.9	32.9
279	4.1	3.6	5.4



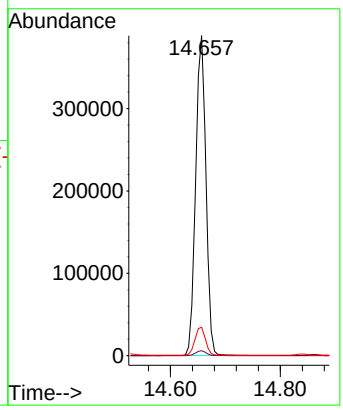


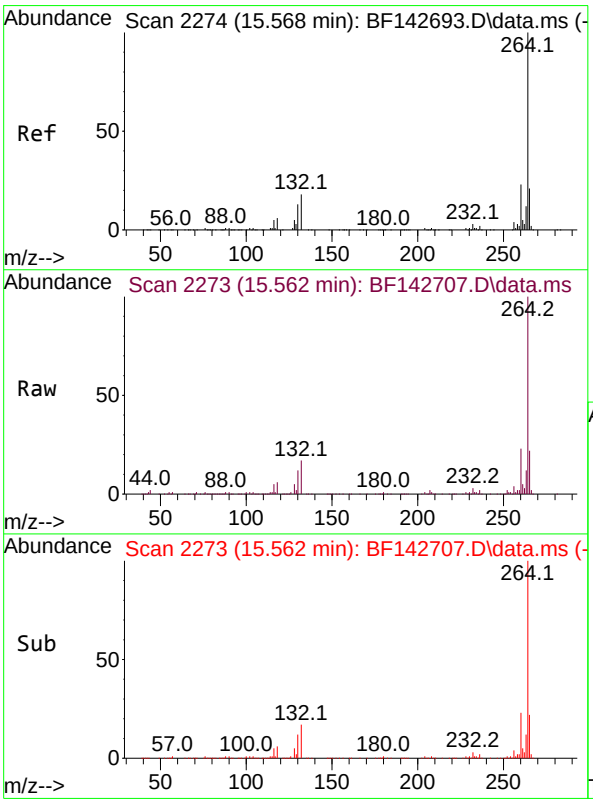
#85
Di-n-octyl phthalate
Concen: 60.944 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:149 Resp: 503646

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	7.5	11.3

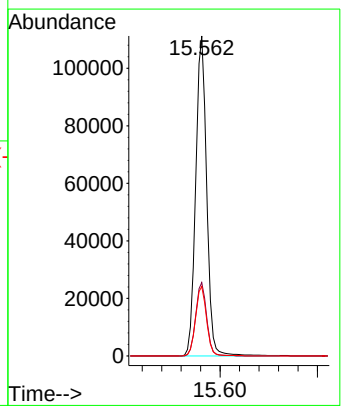


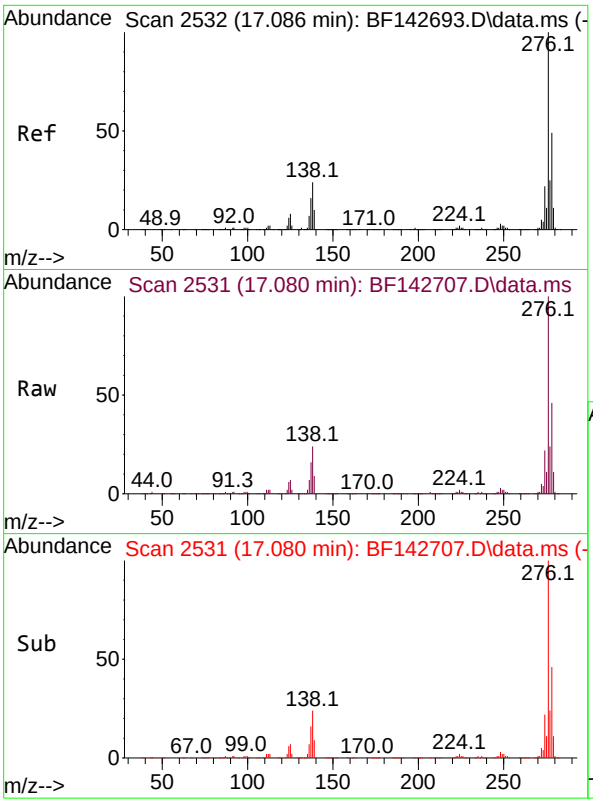


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:264 Resp: 175165

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.7	17.0	25.4



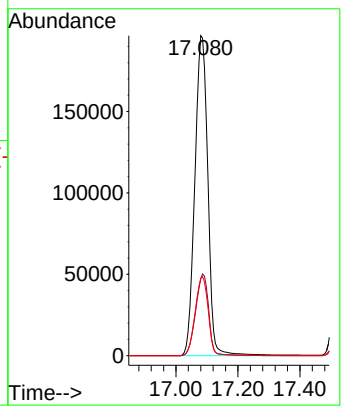


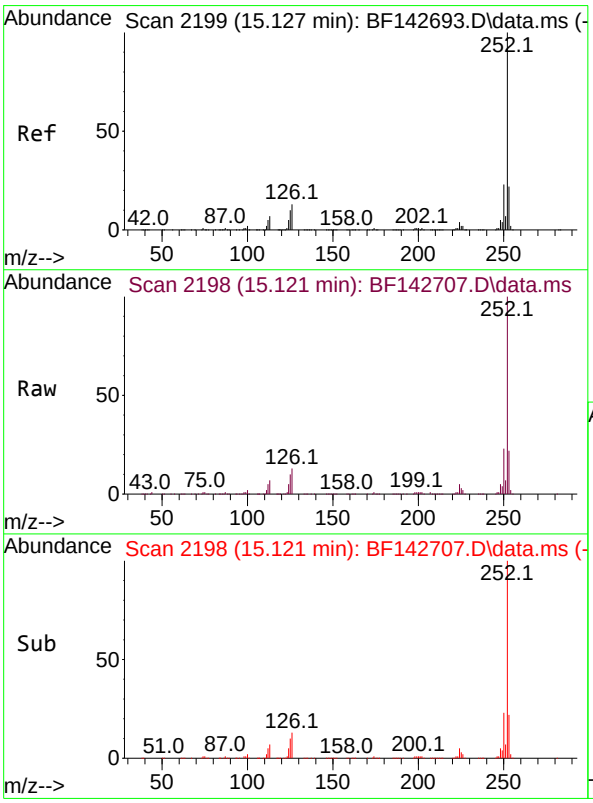
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.246 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:276 Resp: 573017

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.8	31.2
277	24.7	20.2	30.2

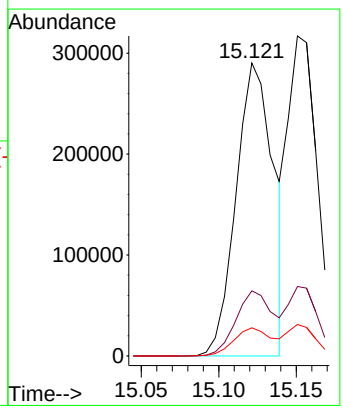


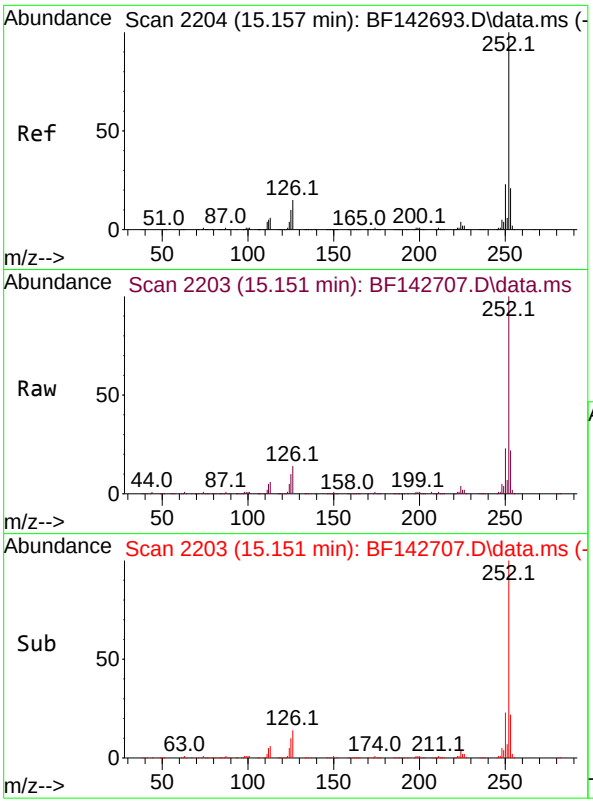


#88
Benzo(b)fluoranthene
Concen: 46.482 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:252 Resp: 486439

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.6	7.8	11.8



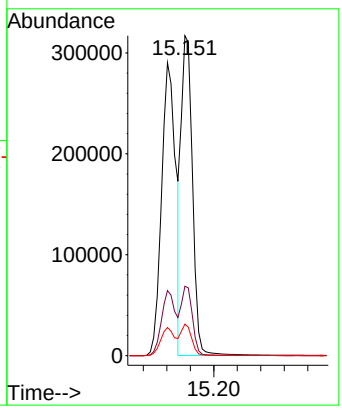


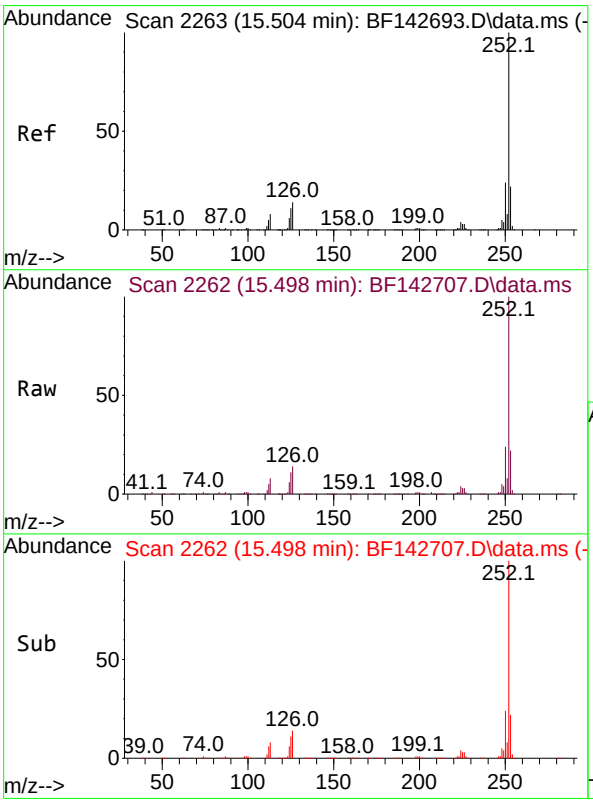
#89
Benzo(k)fluoranthene
Concen: 43.039 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:252 Resp: 423841

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.7	11.5

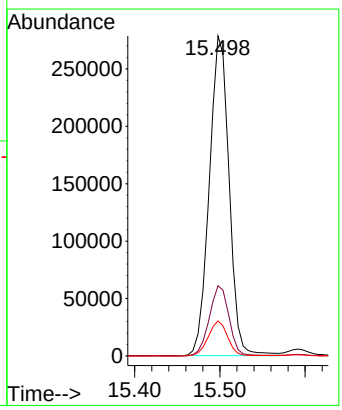


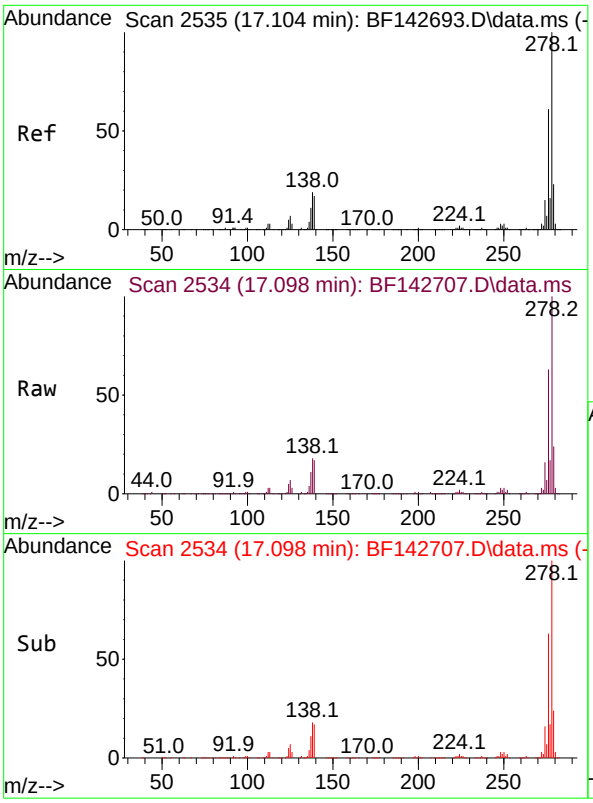


#90
Benzo(a)pyrene
Concen: 45.864 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:252 Resp: 449775

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.8	13.2



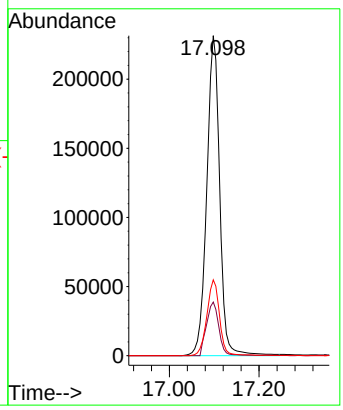


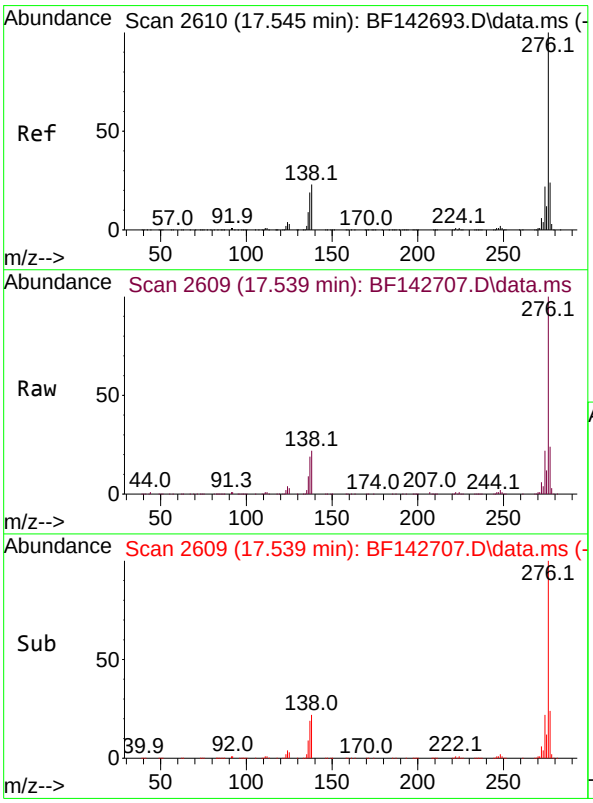
#91
Dibenzo(a,h)anthracene
Concen: 46.496 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Tgt Ion:278 Resp: 463774

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.4	20.0
279	23.7	18.7	28.1

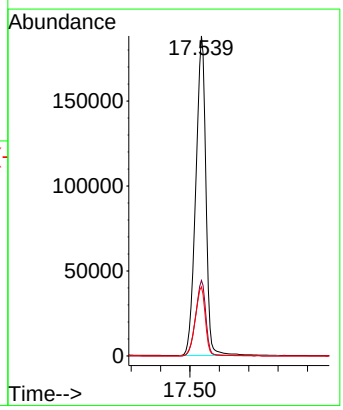




#92
Benzo(g,h,i)perylene
Concen: 43.497 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF142707.D
Acq: 10 Jun 2025 12:41

Tgt Ion:276 Resp: 449262

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	21.6	18.2	27.2



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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142708.D	1	06/09/25 09:40	06/10/25 13:10	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.10		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.018	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	1.10		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	1.20		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	1.00		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	1.10		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	1.10		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	1.20		0.021	0.089	0.12	mg/Kg
129-00-0	Pyrene	1.10		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.20		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.00		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.20		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.10		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	51.2		37 - 122		51%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.3		44 - 115		53%	SPK: 100
1718-51-0	Terphenyl-d14	54.3		54 - 127		54%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	72300	6.892				
1146-65-2	Naphthalene-d8	276000	8.181				
15067-26-2	Acenaphthene-d10	143000	9.933				
1517-22-2	Phenanthrene-d10	234000	11.422				
1719-03-5	Chrysene-d12	166000	14.068				
1520-96-3	Perylene-d12	192000	15.562				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	06/06/25
Project:	Raymark Superfund Site	Date Received:	06/06/25
Client Sample ID:	WC-5MSD	SDG No.:	Q2259
Lab Sample ID:	Q2266-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.6
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142708.D	1	06/09/25 09:40	06/10/25 13:10	PB168351

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142708.D
Acq On : 10 Jun 2025 13:10
Operator : RC/JU
Sample : Q2266-05MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Quant Time: Jun 10 13:36:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	72257	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	275500	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	142711	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	234155	20.000	ng	0.00
76) Chrysene-d12	14.068	240	165870	20.000	ng	0.00
86) Perylene-d12	15.562	264	192181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	347013	81.544	ng	0.00
7) Phenol-d6	6.522	99	418658	83.891	ng	-0.01
23) Nitrobenzene-d5	7.457	82	256857	51.238	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	130878	81.627	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	556539	53.332	ng	-0.01
79) Terphenyl-d14	13.010	244	569500	54.300	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	72508	44.495	ng	99
3) Pyridine	3.493	79	191369	45.533	ng	99
4) n-Nitrosodimethylamine	3.446	42	99412	48.599	ng	100
6) Aniline	6.557	93	258265	38.546	ng	99
8) 2-Chlorophenol	6.681	128	217686	46.885	ng	99
9) Benzaldehyde	6.445	77	106141	37.727	ng	98
10) Phenol	6.539	94	257673	46.109	ng	99
11) bis(2-Chloroethyl)ether	6.628	93	190336	46.751	ng	98
12) 1,3-Dichlorobenzene	6.834	146	242260	46.591	ng	99
13) 1,4-Dichlorobenzene	6.910	146	243281	45.759	ng	98
14) 1,2-Dichlorobenzene	7.063	146	234915	46.341	ng	99
15) Benzyl Alcohol	7.034	79	173213	47.449	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	298489	45.024	ng	99
17) 2-Methylphenol	7.145	107	165270	46.421	ng	99
18) Hexachloroethane	7.410	117	86749	47.494	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	140306	47.961	ng	99
20) 3+4-Methylphenols	7.298	107	202021	46.075	ng	92
22) Acetophenone	7.304	105	278764	46.288	ng	97
24) Nitrobenzene	7.475	77	206081	45.583	ng	98
25) Isophorone	7.716	82	375420	46.159	ng	99
26) 2-Nitrophenol	7.792	139	119751	48.019	ng	97
27) 2,4-Dimethylphenol	7.828	122	192684	45.463	ng	100
28) bis(2-Chloroethoxy)met...	7.928	93	238129	46.681	ng	99
29) 2,4-Dichlorophenol	8.033	162	178727	46.031	ng	99
30) 1,2,4-Trichlorobenzene	8.122	180	198673	46.909	ng	99
31) Naphthalene	8.204	128	628617	46.304	ng	100
32) Benzoic acid	7.945	122	114197	44.432	ng	99
33) 4-Chloroaniline	8.245	127	150212	26.913	ng	99
34) Hexachlorobutadiene	8.316	225	123664	47.410	ng	99
35) Caprolactam	8.616	113	53432	44.804	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	176492	44.067	ng	99
37) 2-Methylnaphthalene	8.892	142	383204	44.860	ng	99
38) 1-Methylnaphthalene	8.992	142	401791	45.421	ng	98
40) 1,2,4,5-Tetrachloroben...	9.057	216	195877	47.494	ng	98
41) Hexachlorocyclopentadiene	9.045	237	237736	98.159	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	130978	48.400	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142708.D
Acq On : 10 Jun 2025 13:10
Operator : RC/JU
Sample : Q2266-05MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Quant Time: Jun 10 13:36:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

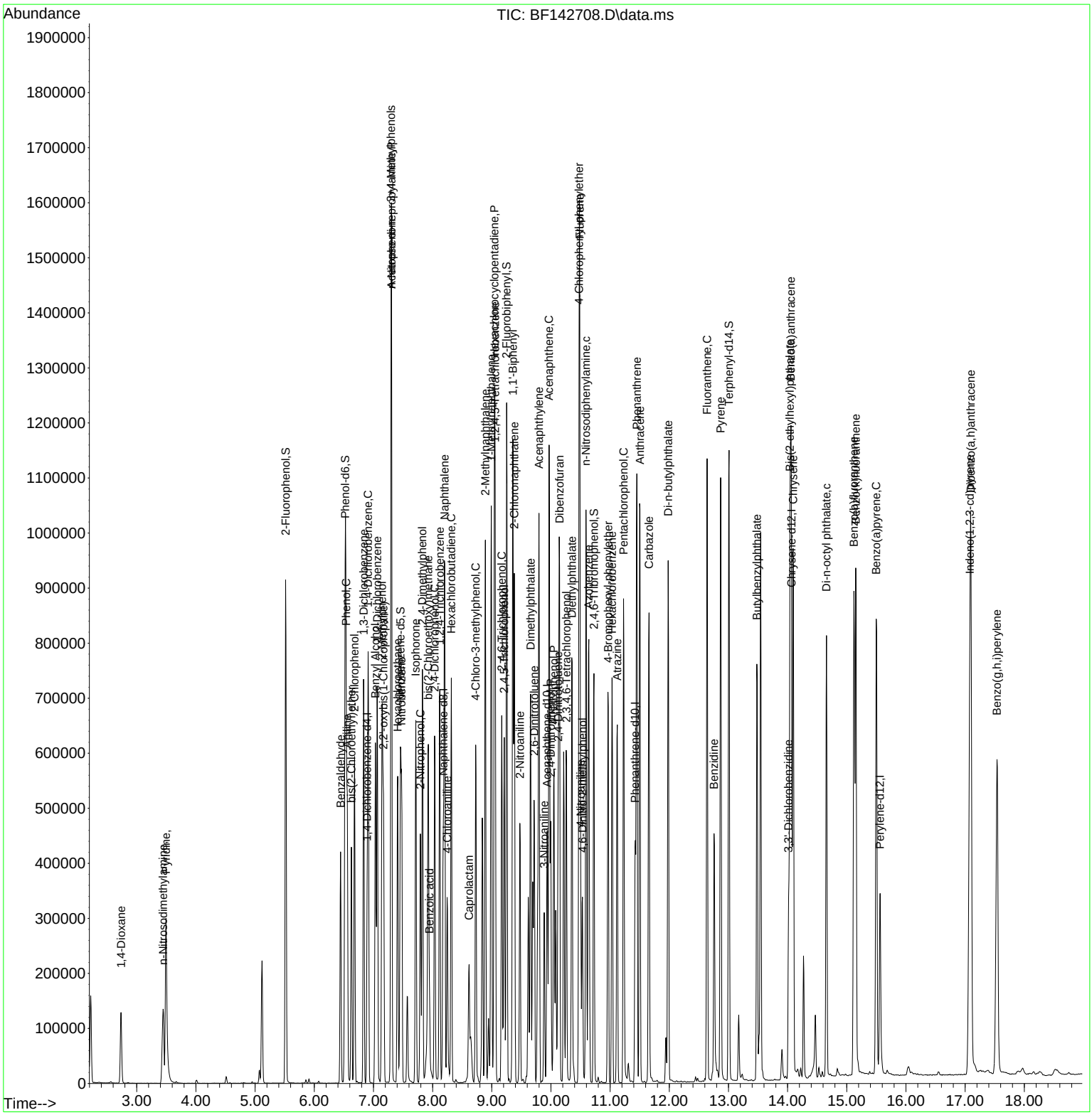
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	130023	44.984	ng	98
46) 1,1'-Biphenyl	9.357	154	522957	47.125	ng	100
47) 2-Chloronaphthalene	9.380	162	384142	46.200	ng	98
48) 2-Nitroaniline	9.475	65	110067	44.484	ng	96
49) Acenaphthylene	9.798	152	644772	46.788	ng	100
50) Dimethylphthalate	9.657	163	436604	45.471	ng	100
51) 2,6-Dinitrotoluene	9.716	165	97005	46.703	ng	97
52) Acenaphthene	9.969	154	426949	50.646	ng	99
53) 3-Nitroaniline	9.886	138	71312	30.555	ng	100
54) 2,4-Dinitrophenol	9.998	184	97586	84.859	ng	99
55) Dibenzofuran	10.145	168	567305	46.908	ng	100
56) 4-Nitrophenol	10.051	139	143285	89.319	ng	97
57) 2,4-Dinitrotoluene	10.122	165	130550	46.890	ng	99
58) Fluorene	10.486	166	437729	45.283	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	112396	46.211	ng	98
60) Diethylphthalate	10.357	149	435949	46.768	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	213265	46.664	ng	99
62) 4-Nitroaniline	10.504	138	92488	41.775	ng	97
63) Azobenzene	10.633	77	424592	50.849	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	66857	44.767	ng	99
66) n-Nitrosodiphenylamine	10.592	169	377664	49.955	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	129618	50.082	ng	99
68) Hexachlorobenzene	11.033	284	144592	48.621	ng	98
69) Atrazine	11.122	200	117197	51.118	ng	99
70) Pentachlorophenol	11.227	266	151032	92.349	ng	99
71) Phenanthrene	11.451	178	601737	48.070	ng	100
72) Anthracene	11.504	178	619924	47.721	ng	100
73) Carbazole	11.657	167	530592	45.359	ng	100
74) Di-n-butylphthalate	11.980	149	686641	55.292	ng	100
75) Fluoranthene	12.639	202	654629	52.195	ng	99
77) Benzidine	12.757	184	282563	49.359	ng	100
78) Pyrene	12.868	202	640734	47.407	ng	100
80) Butylbenzylphthalate	13.480	149	262174	62.988	ng	97
81) Benzo(a)anthracene	14.057	228	520620	48.363	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	110065	31.986	ng	100
83) Chrysene	14.092	228	497015	48.745	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	362506	76.283	ng	100
85) Di-n-octyl phthalate	14.657	149	565508	61.186	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	693415	51.008	ng	100
88) Benzo(b)fluoranthene	15.121	252	594564	51.784	ng	99
89) Benzo(k)fluoranthene	15.151	252	492587	45.591	ng	99
90) Benzo(a)pyrene	15.498	252	549915	51.111	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	561456	51.306	ng	99
92) Benzo(g,h,i)perylene	17.539	276	555277	49.001	ng	100

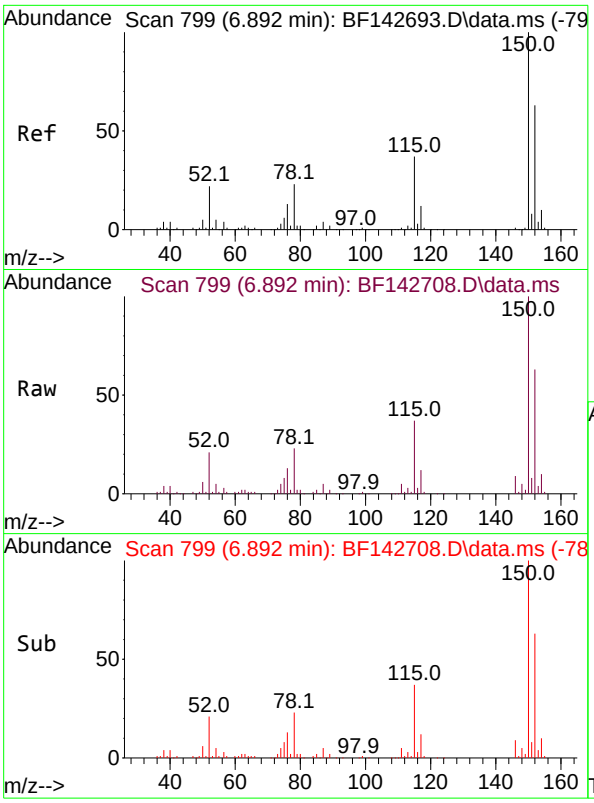
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142708.D
Acq On : 10 Jun 2025 13:10
Operator : RC/JU
Sample : Q2266-05MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Quant Time: Jun 10 13:36:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



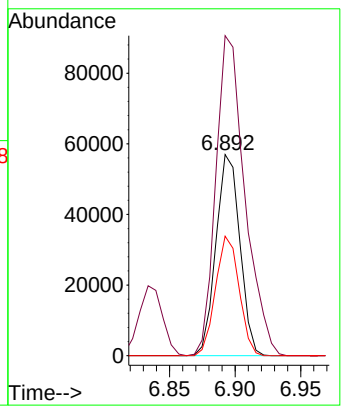


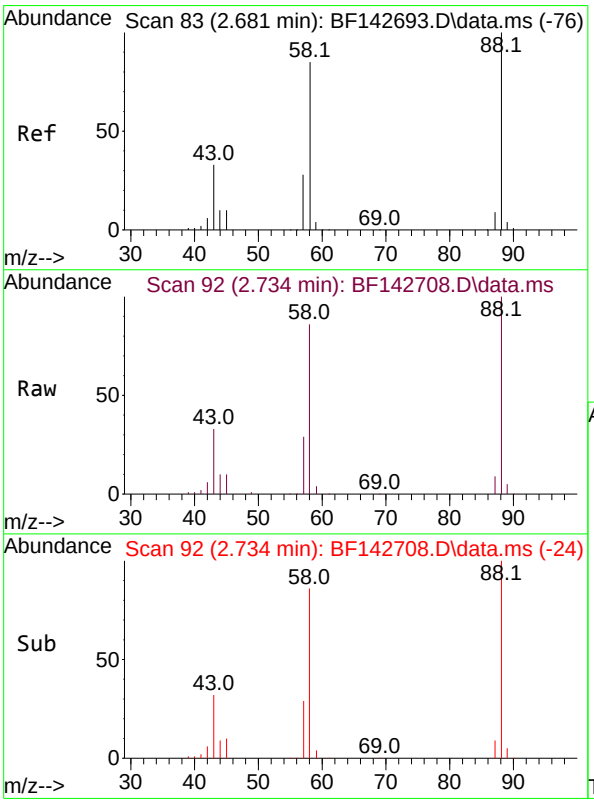
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:152 Resp: 72257

Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.8	190.2
115	59.5	46.8	70.2

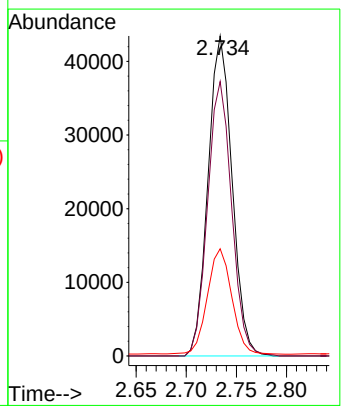


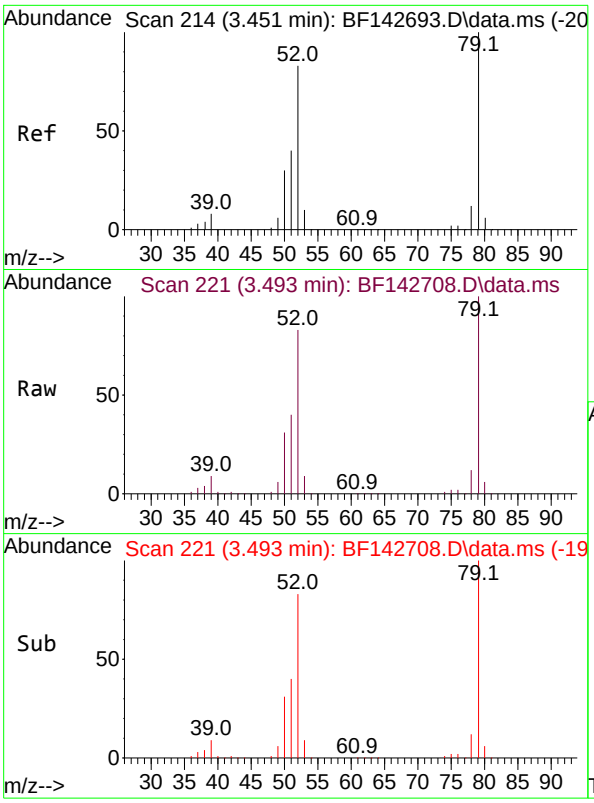


#2
1,4-Dioxane
Concen: 44.495 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.053 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 88 Resp: 72508

Ion	Ratio	Lower	Upper
88	100		
58	85.8	69.2	103.8
43	33.5	26.3	39.5



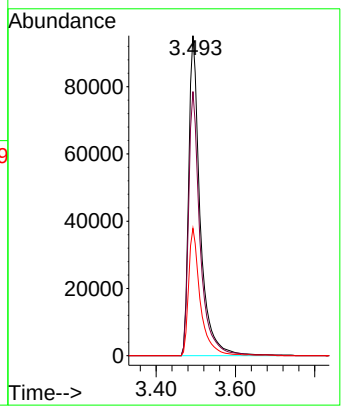


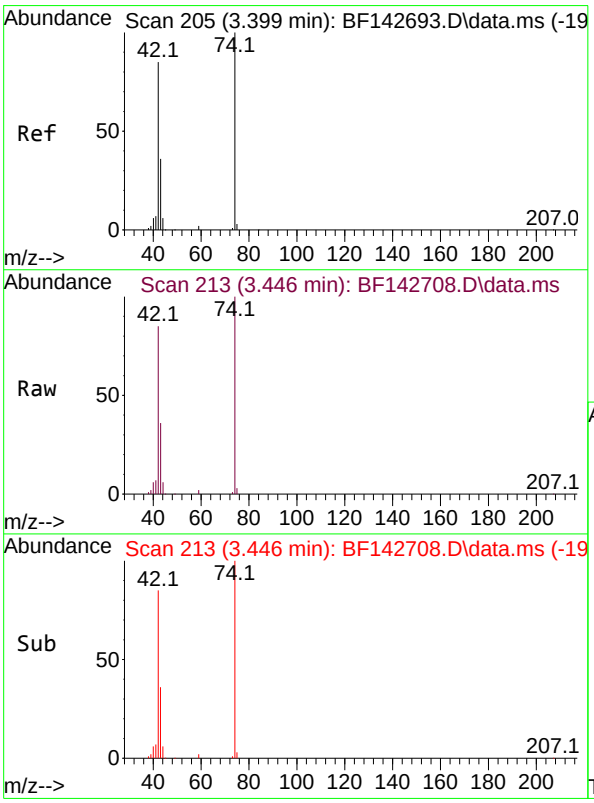
#3
Pyridine
Concen: 45.533 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 79 Resp: 191369

Ion	Ratio	Lower	Upper
79	100		
52	82.5	66.6	99.8
51	39.8	31.7	47.5

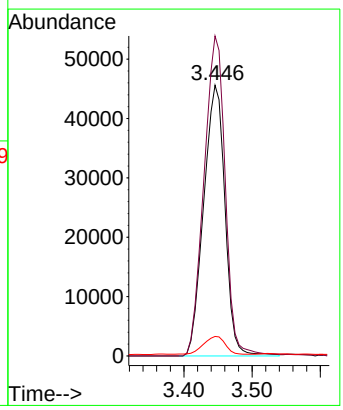


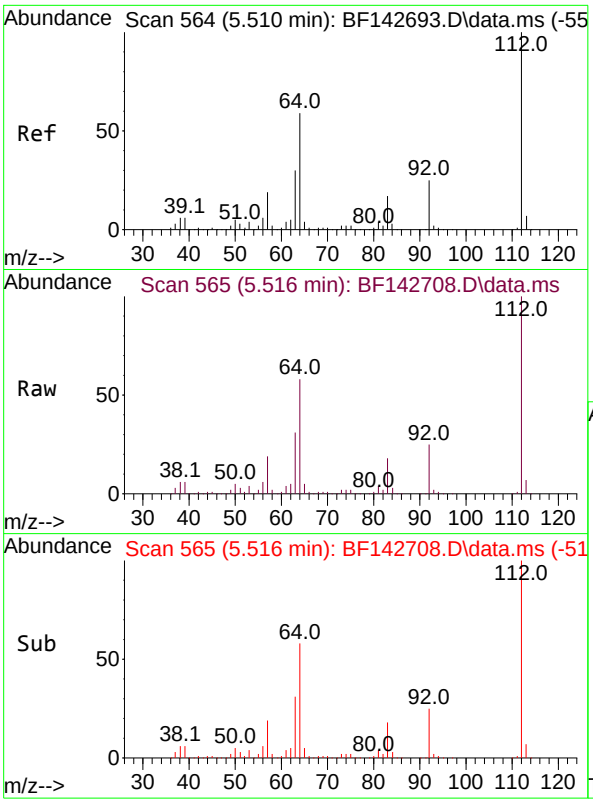


#4
n-Nitrosodimethylamine
Concen: 48.599 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.018 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 42 Resp: 99412

Ion	Ratio	Lower	Upper
42	100		
74	118.2	94.5	141.7
44	7.2	5.6	8.4



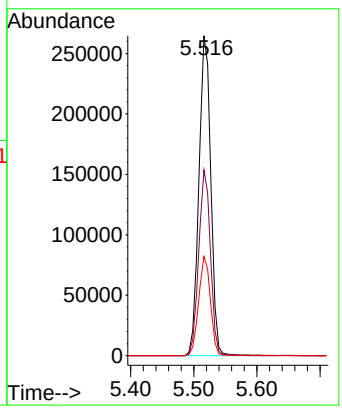


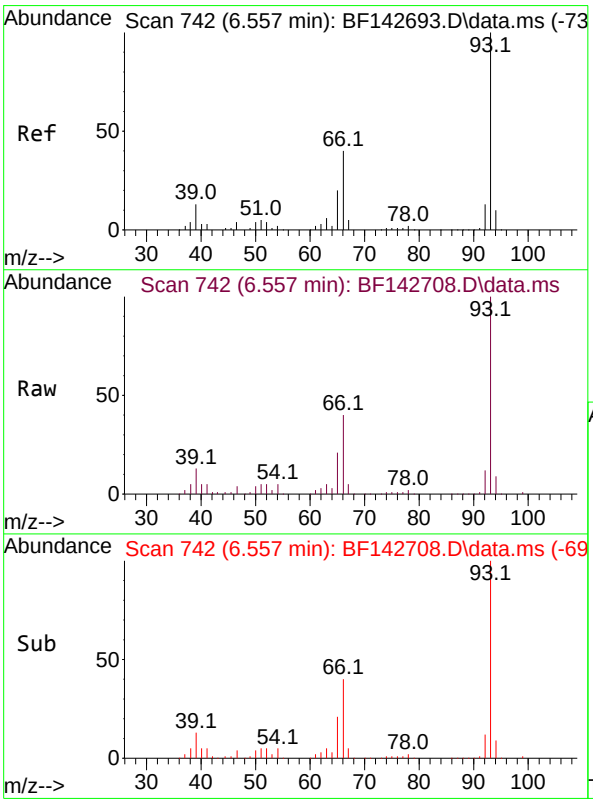
#5
2-Fluorophenol
Concen: 81.544 ng
RT: 5.516 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:112 Resp: 347013

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.9	70.3
63	31.0	24.3	36.5

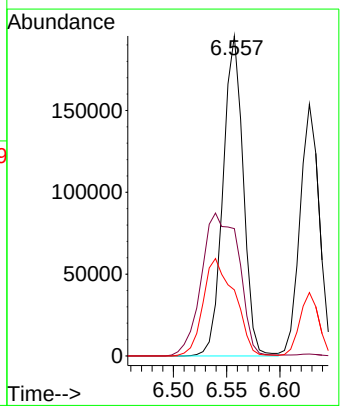


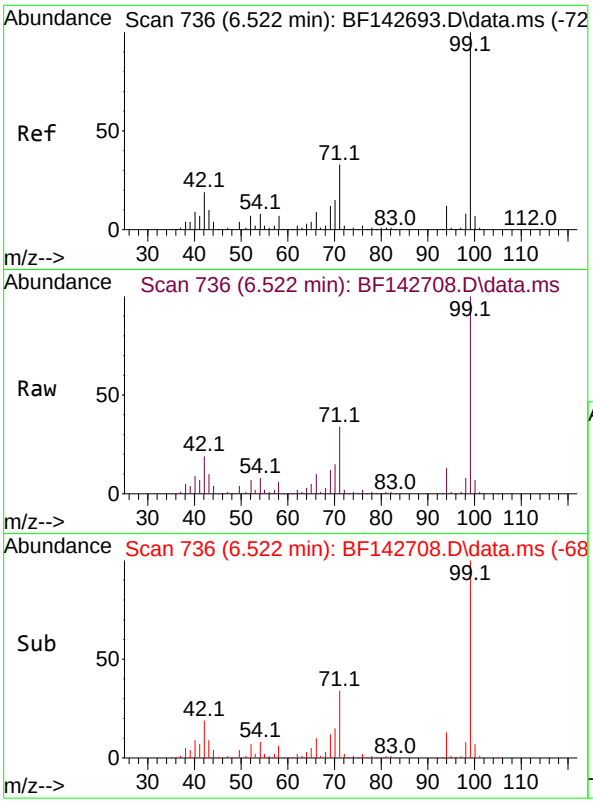


#6
Aniline
Concen: 38.546 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 93 Resp: 258265

Ion	Ratio	Lower	Upper
93	100		
66	39.8	32.8	49.2
65	20.7	16.4	24.6



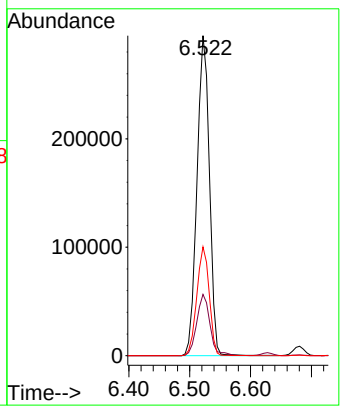


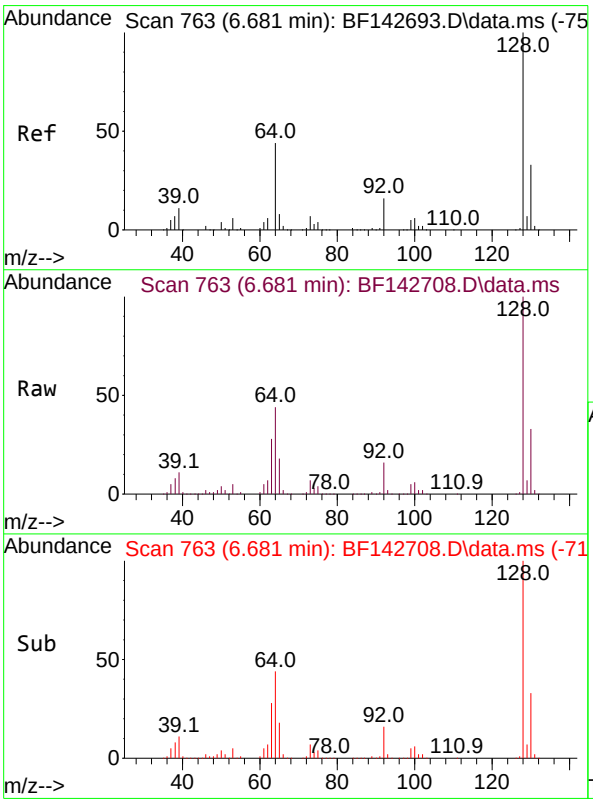
#7
Phenol-d6
Concen: 83.891 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 99 Resp: 418658

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.3	22.9
71	34.0	26.3	39.5

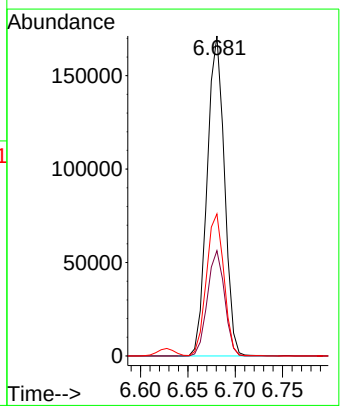


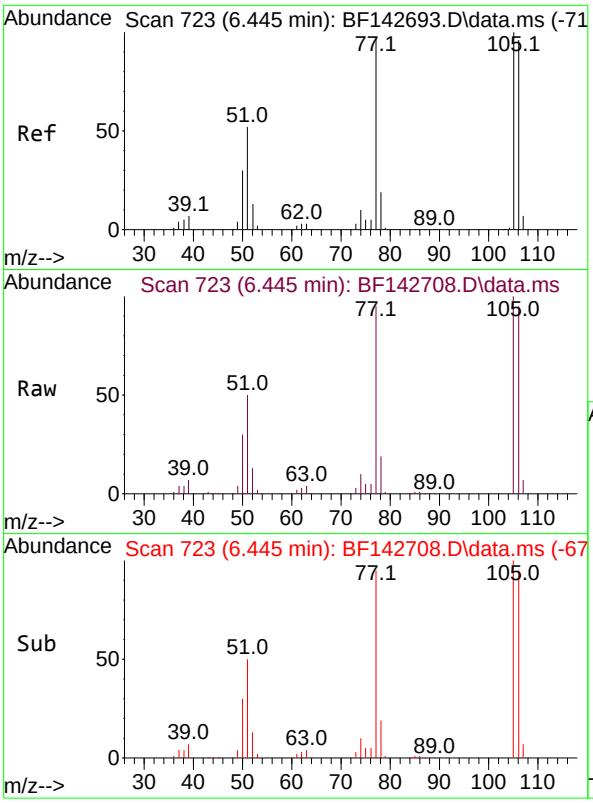


#8
2-Chlorophenol
Concen: 46.885 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:128 Resp: 217686

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.3	53.3
64	44.4	25.4	65.4



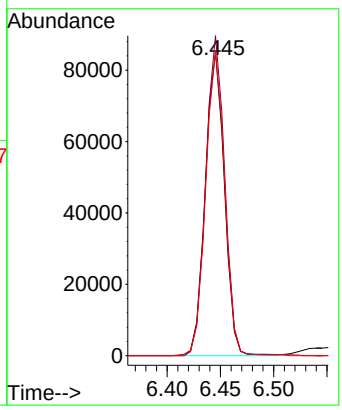


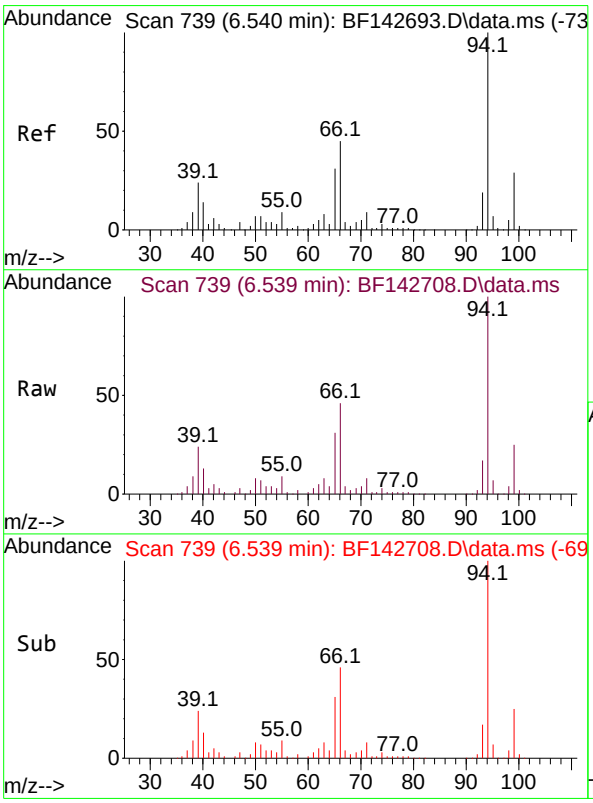
#9
Benzaldehyde
Concen: 37.727 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 77 Resp: 106141

Ion	Ratio	Lower	Upper
77	100		
105	105.4	83.2	123.2
106	100.2	78.7	118.7

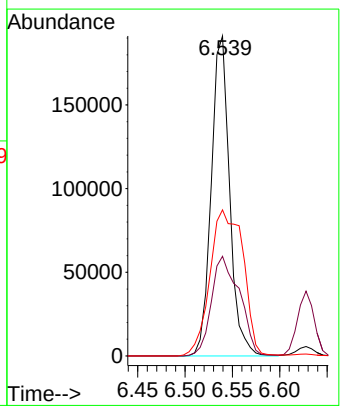


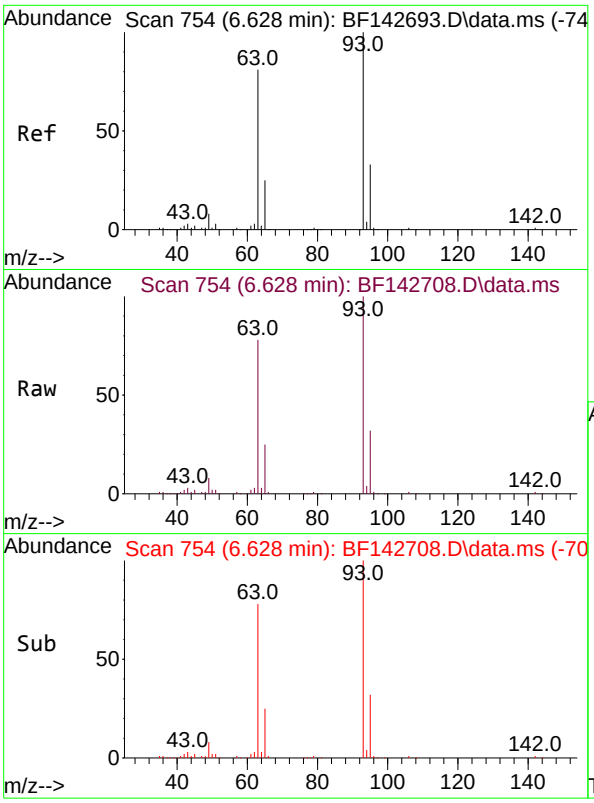


#10
Phenol
Concen: 46.109 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 94 Resp: 257673

Ion	Ratio	Lower	Upper
94	100		
65	31.1	11.0	51.0
66	45.6	24.9	64.9



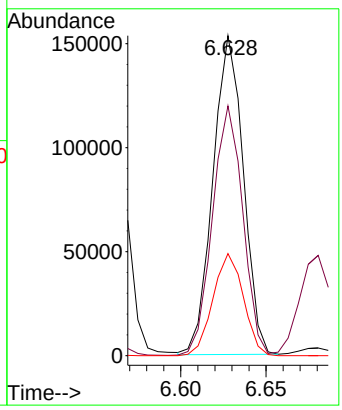


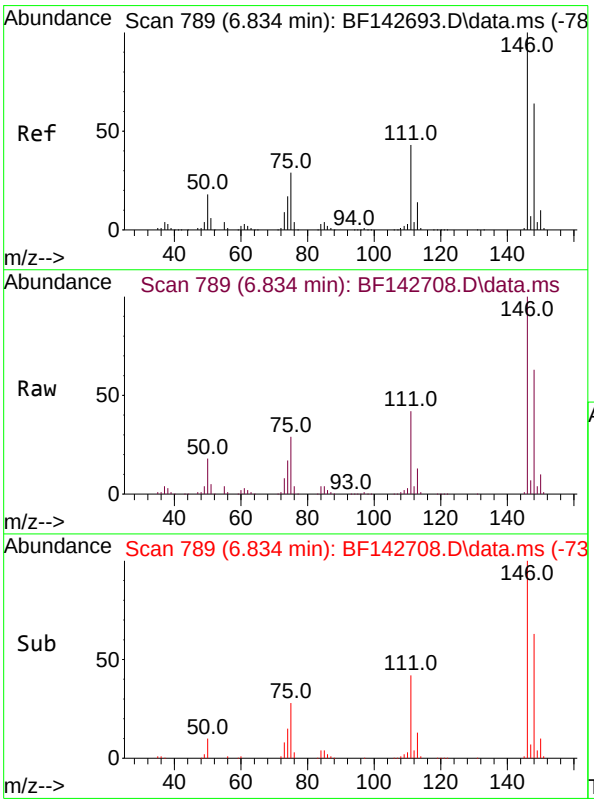
#11
bis(2-Chloroethyl)ether
Concen: 46.751 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 93 Resp: 190336

Ion	Ratio	Lower	Upper
93	100		
63	78.1	60.0	100.0
95	31.9	12.2	52.2

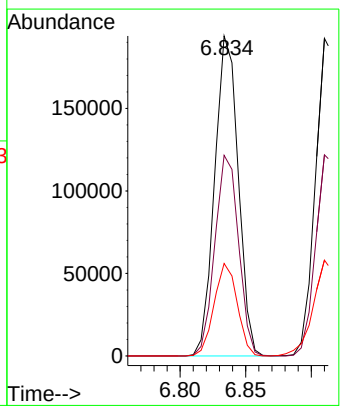


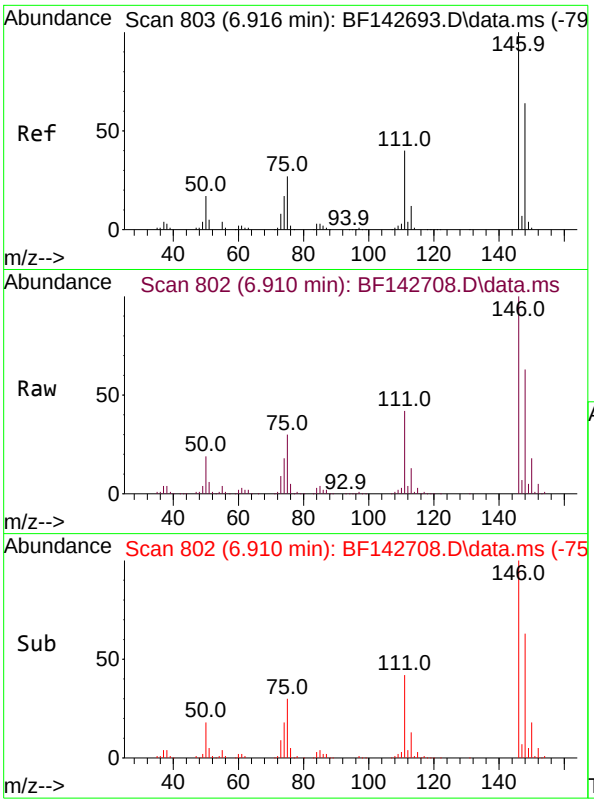


#12
1,3-Dichlorobenzene
Concen: 46.591 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:146 Resp: 242260

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.4	77.2
75	28.9	23.1	34.7



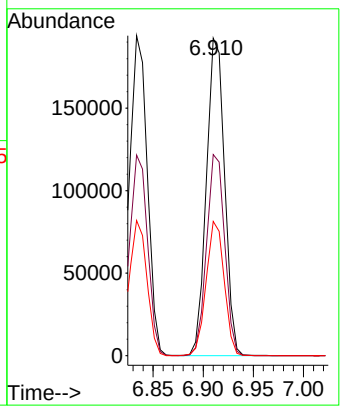


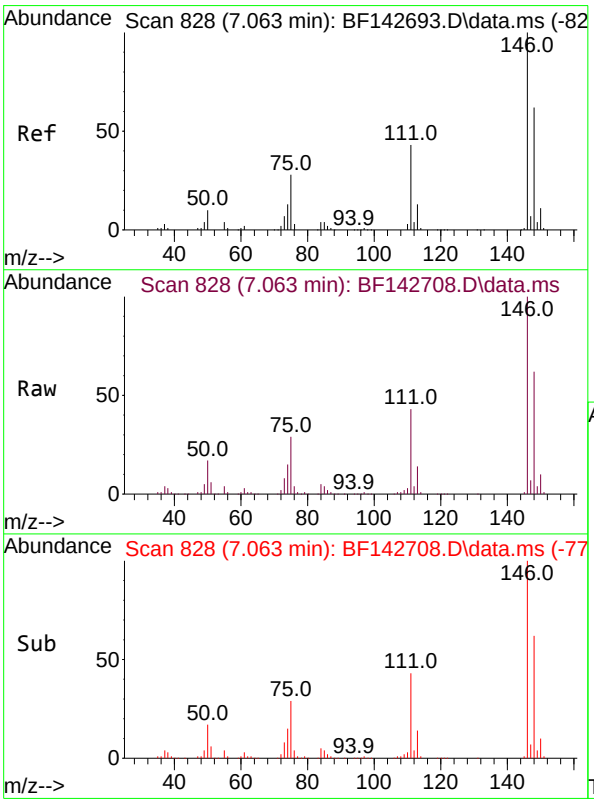
#13
1,4-Dichlorobenzene
Concen: 45.759 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:146 Resp: 243281

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	42.3	31.8	47.8

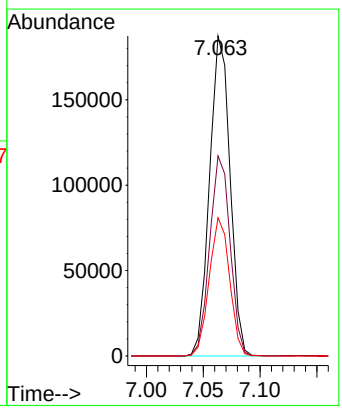


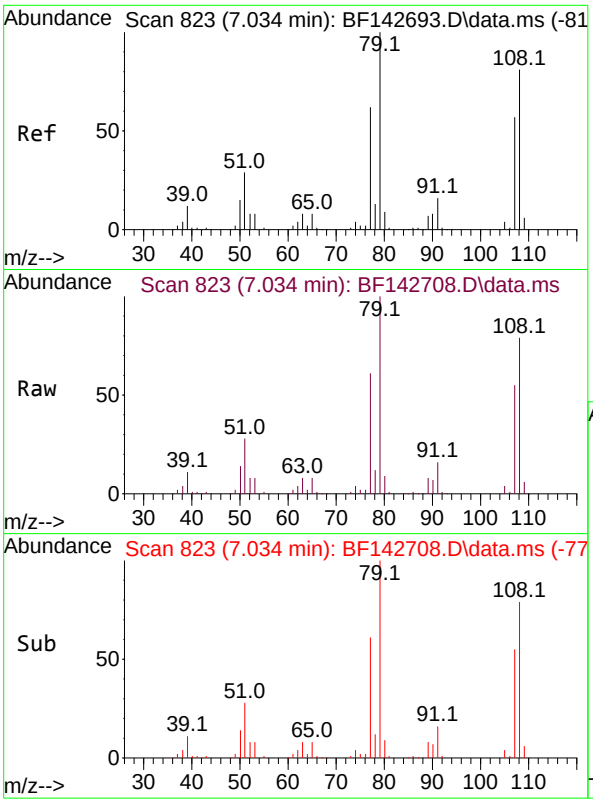


#14
1,2-Dichlorobenzene
Concen: 46.341 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:146 Resp: 234915

Ion	Ratio	Lower	Upper
146	100		
148	62.5	49.3	73.9
111	43.2	34.1	51.1



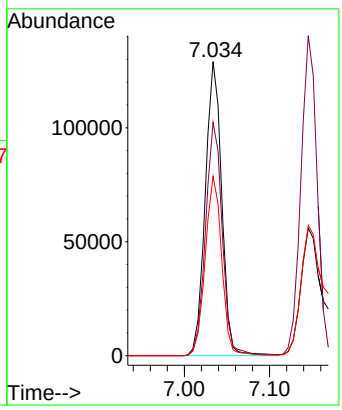


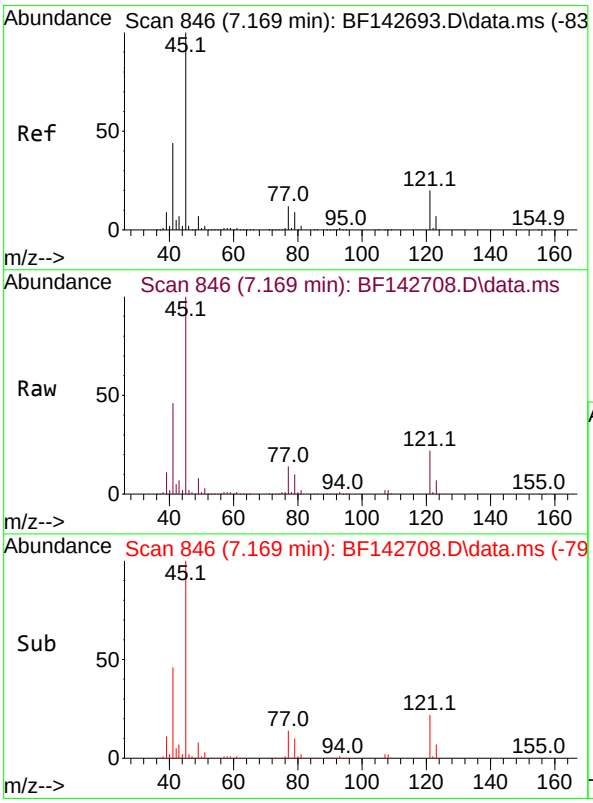
#15
Benzyl Alcohol
Concen: 47.449 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 79 Resp: 173213

Ion	Ratio	Lower	Upper
79	100		
108	79.3	64.8	97.2
77	61.0	49.4	74.2

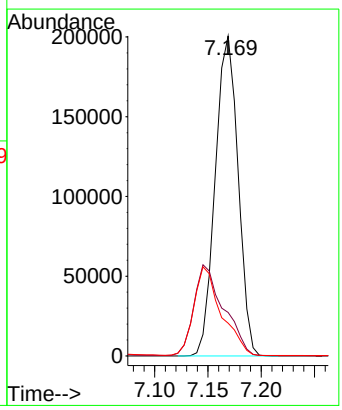


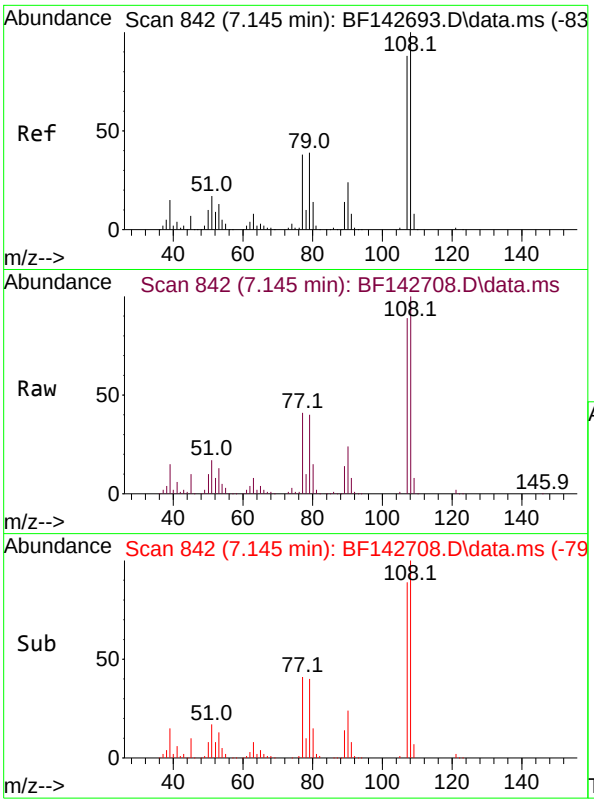


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.024 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 45 Resp: 298489

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	32.8
79	10.3	0.0	30.3



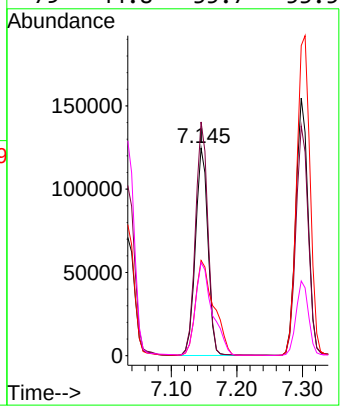


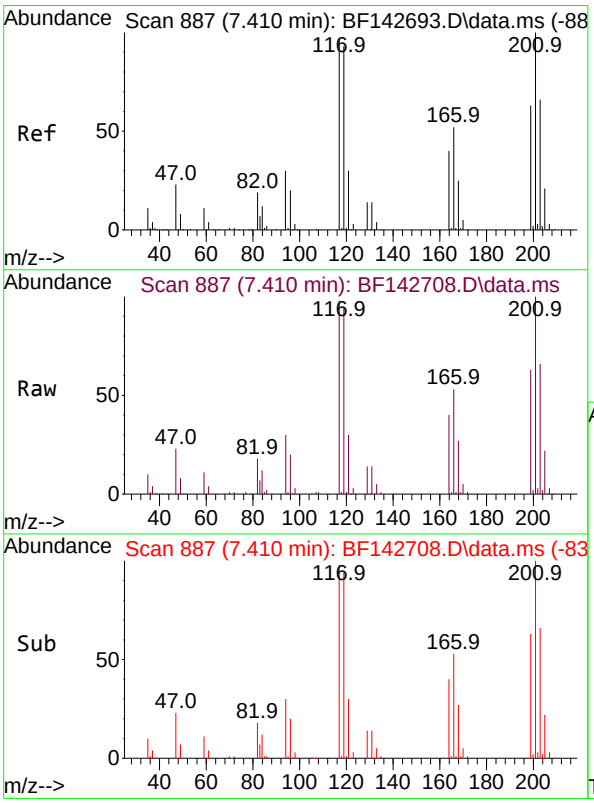
#17
2-Methylphenol
Concen: 46.421 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:107 Resp: 165270

Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.0	136.4
77	45.8	34.9	52.3
79	44.8	35.7	53.5

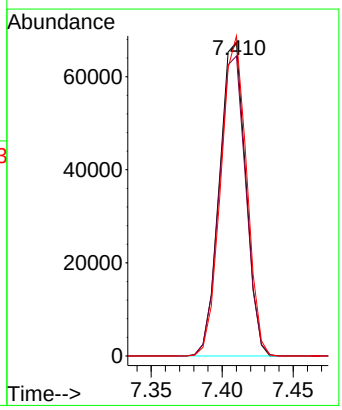


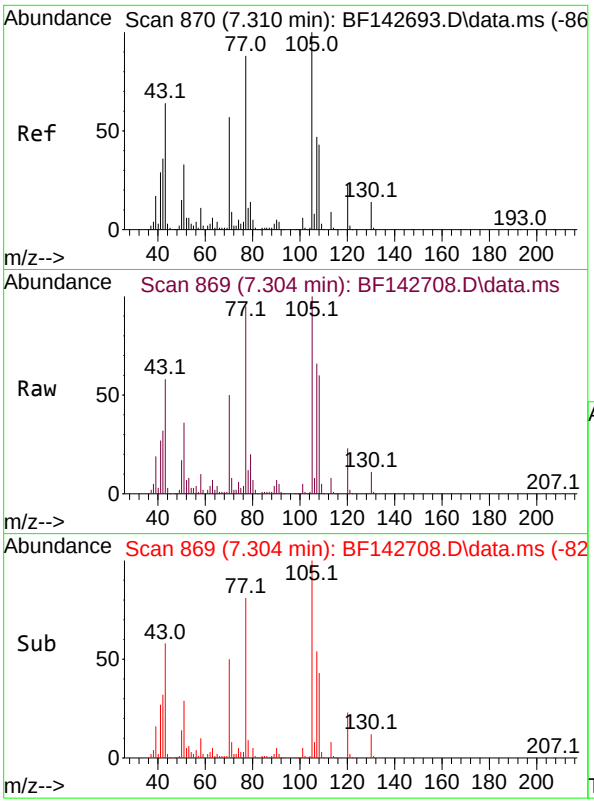


#18
Hexachloroethane
Concen: 47.494 ng
RT: 7.410 min Scan# 887
Delta R.T. -0.000 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:117 Resp: 86749

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.1	115.7
201	102.0	82.6	123.8



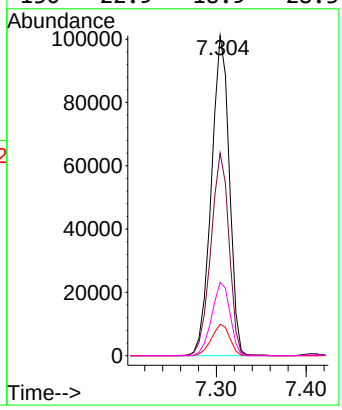


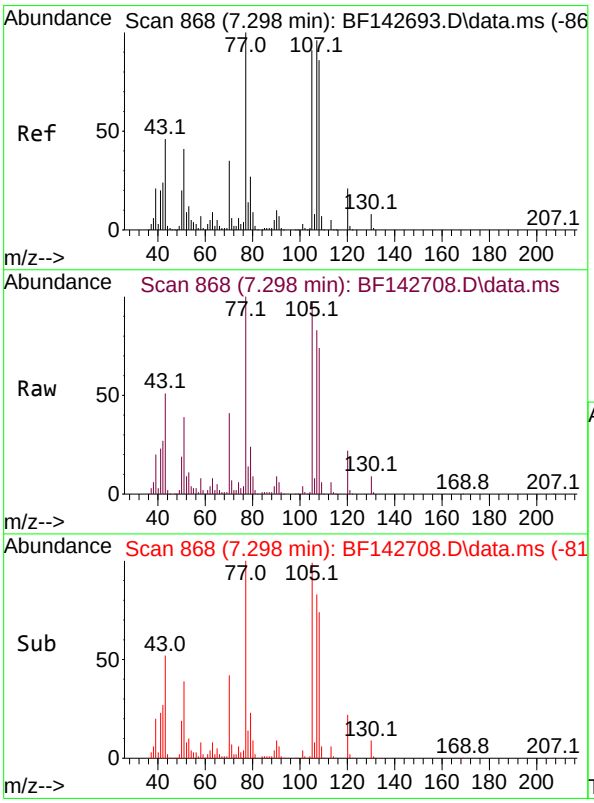
#19
n-Nitroso-di-n-propylamine
Concen: 47.961 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 70 Resp: 140306

Ion	Ratio	Lower	Upper
70	100		
42	63.3	50.1	75.1
101	9.8	8.1	12.1
130	22.9	18.9	28.3

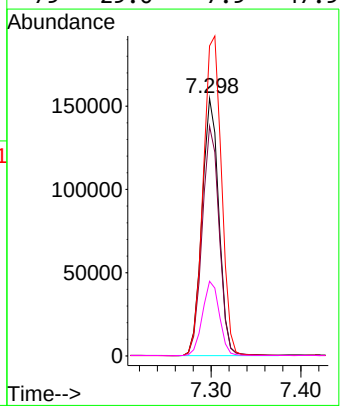


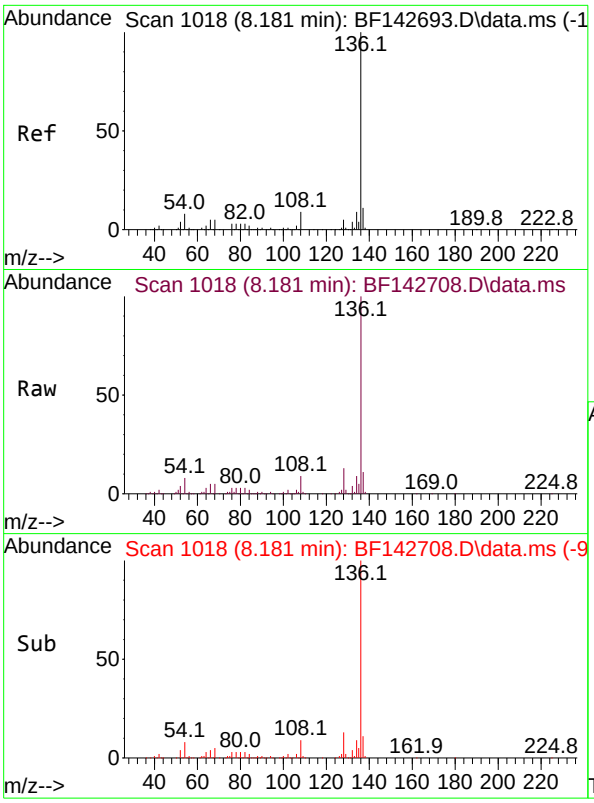


#20
3+4-Methylphenols
Concen: 46.075 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:107 Resp: 202021

Ion	Ratio	Lower	Upper
107	100		
108	89.2	69.5	109.5
77	120.3	83.6	123.6
79	29.0	7.9	47.9



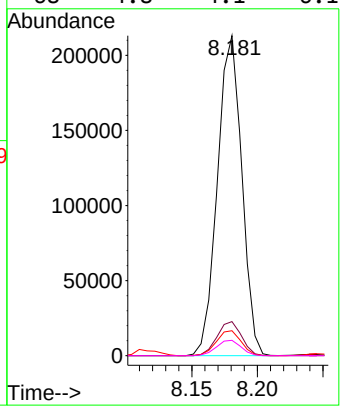


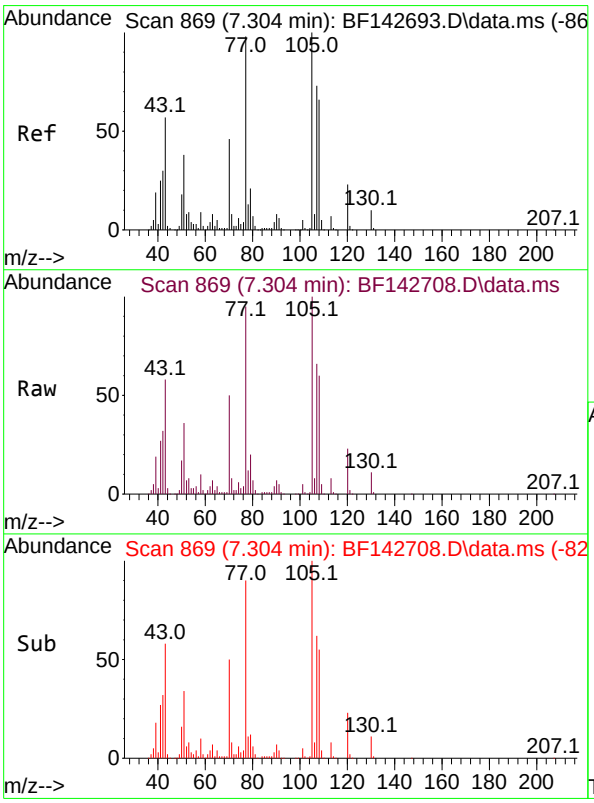
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:136 Resp: 275500

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.8	6.4	9.6
68	4.8	4.1	6.1

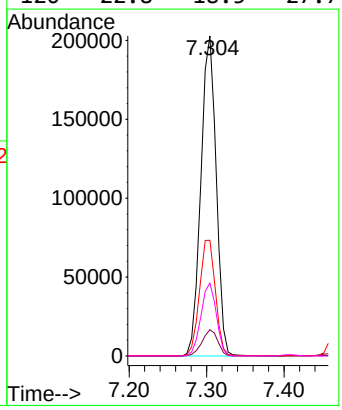


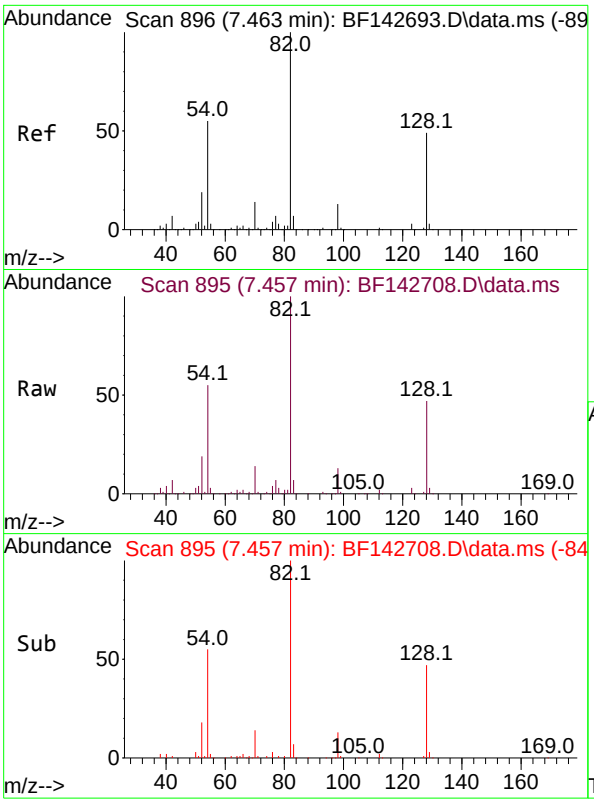


#22
Acetophenone
Concen: 46.288 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:105 Resp: 278764

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.2	9.2
51	36.1	30.8	46.2
120	22.8	18.5	27.7



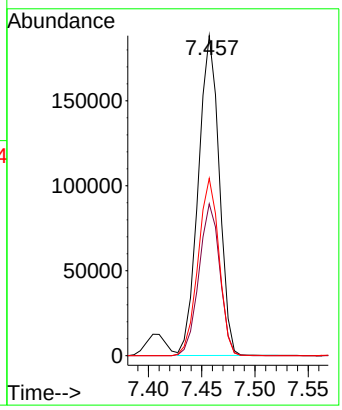


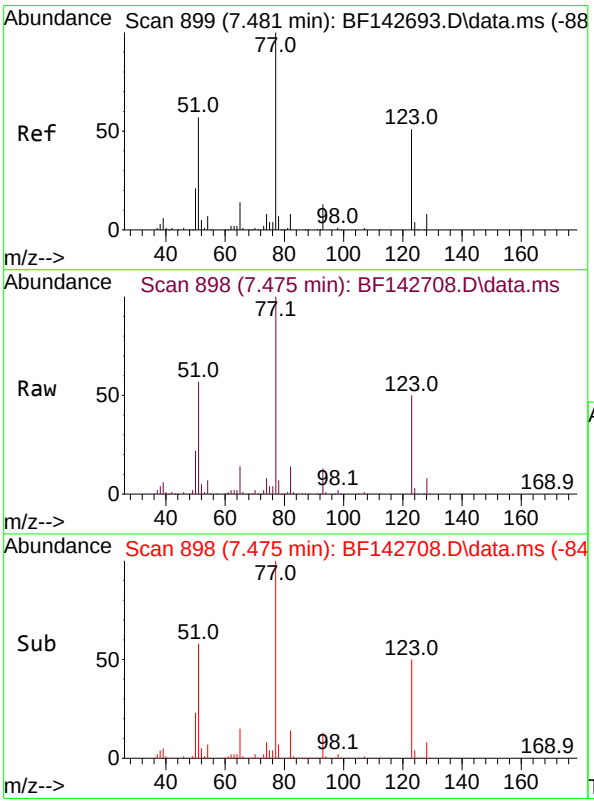
#23
Nitrobenzene-d5
Concen: 51.238 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 82 Resp: 256857

Ion	Ratio	Lower	Upper
82	100		
128	47.5	39.3	58.9
54	55.4	44.2	66.2

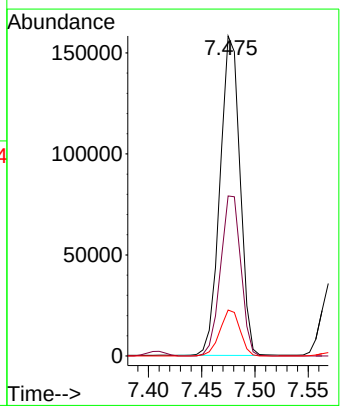


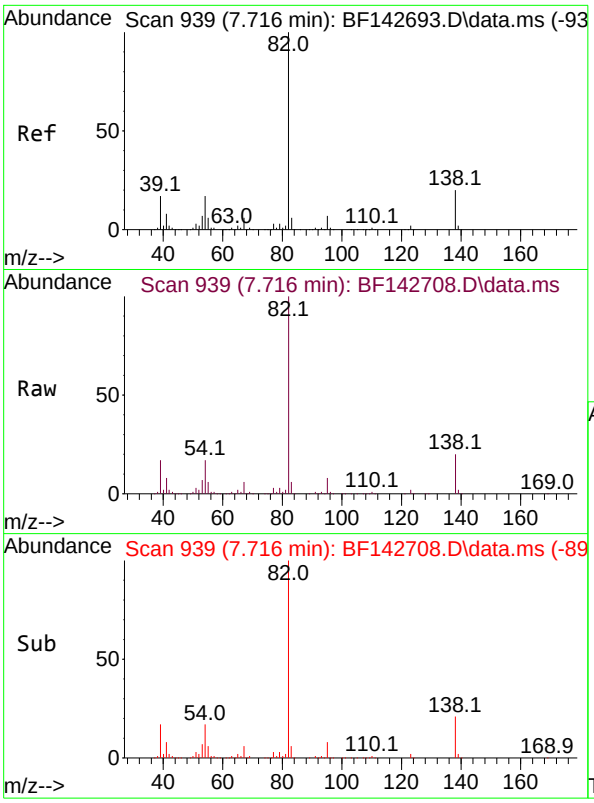


#24
Nitrobenzene
Concen: 45.583 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 77 Resp: 206081

Ion	Ratio	Lower	Upper
77	100		
123	50.0	41.3	61.9
65	14.3	11.2	16.8



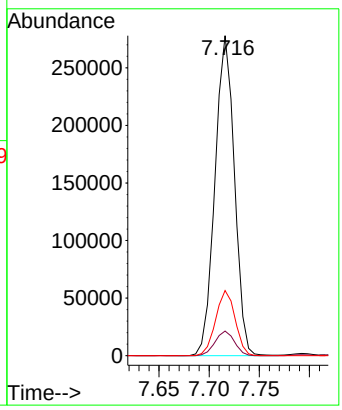


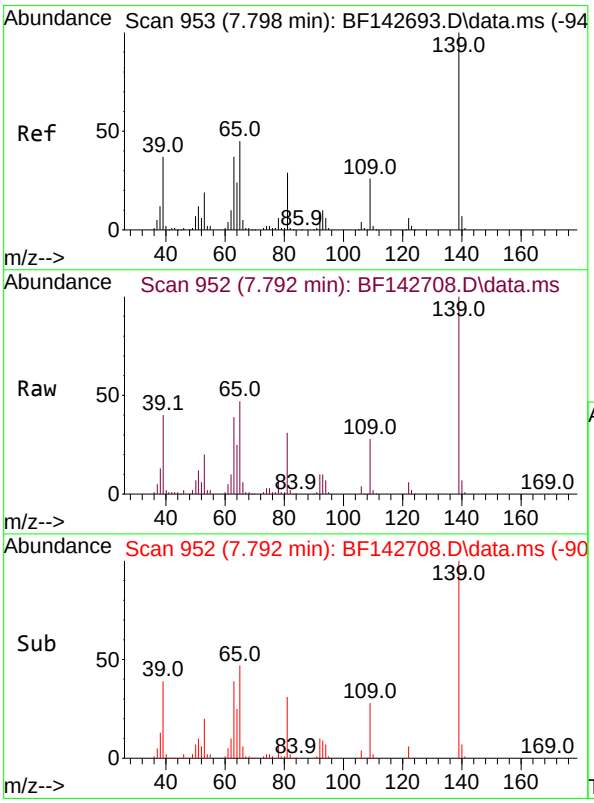
#25
Isophorone
Concen: 46.159 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 82 Resp: 375420

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.9	8.9
138	20.4	16.1	24.1

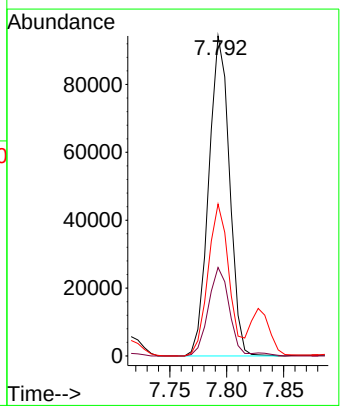


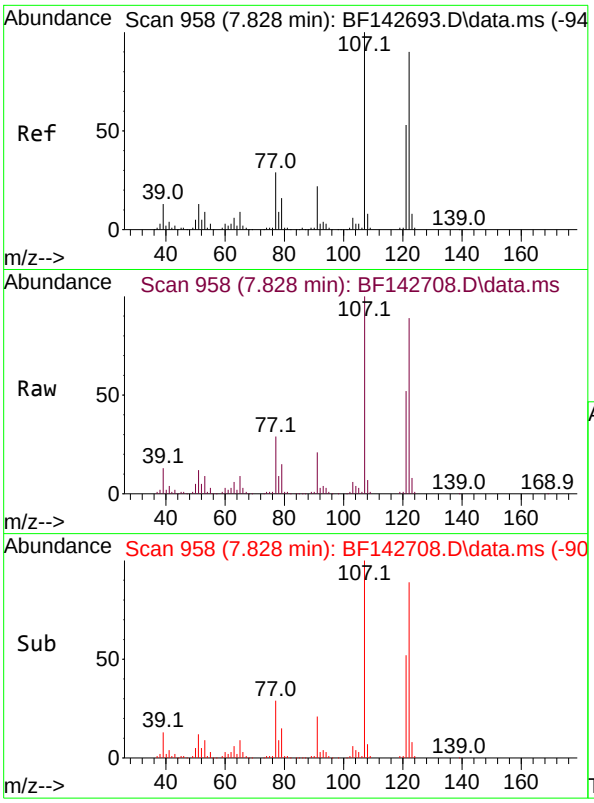


#26
2-Nitrophenol
Concen: 48.019 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:139 Resp: 119751

Ion	Ratio	Lower	Upper
139	100		
109	27.6	21.0	31.6
65	47.5	36.2	54.2



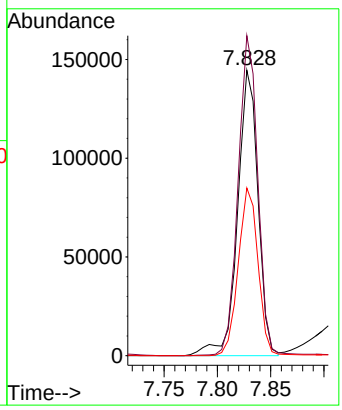


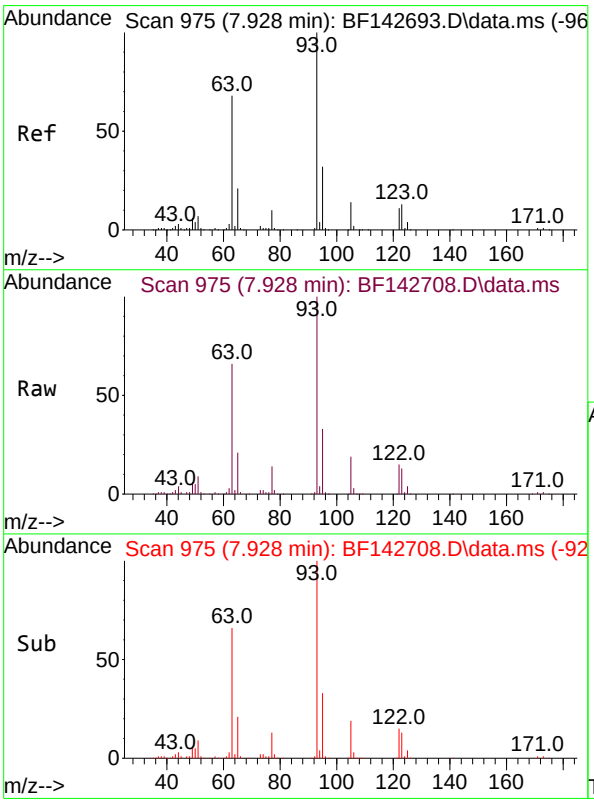
#27
2,4-Dimethylphenol
Concen: 45.463 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:122 Resp: 192684

Ion	Ratio	Lower	Upper
122	100		
107	112.1	89.4	134.2
121	58.8	47.1	70.7

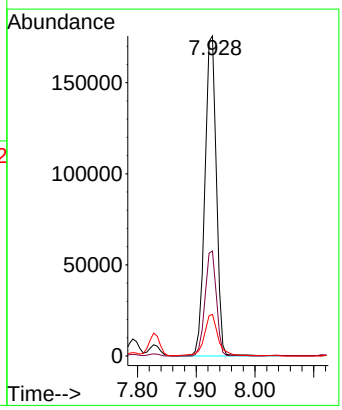


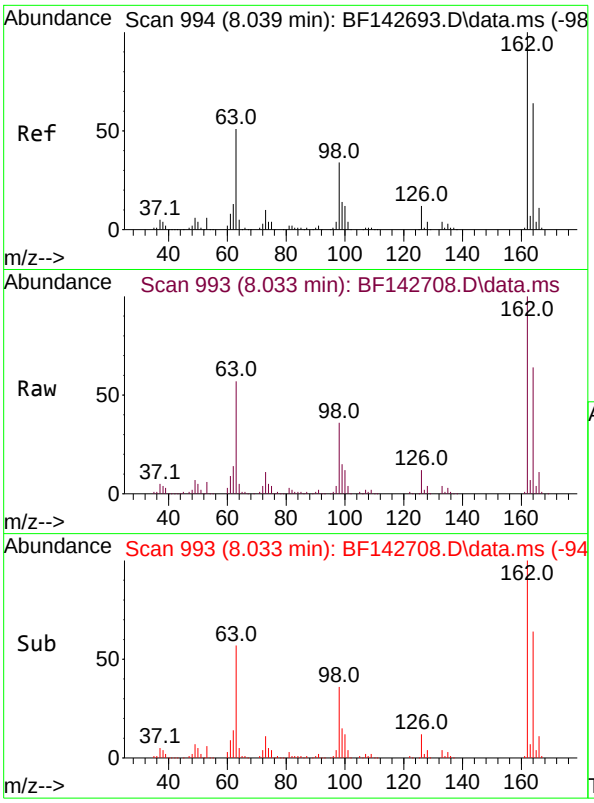


#28
bis(2-Chloroethoxy)methane
Concen: 46.681 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 93 Resp: 238129

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.4	38.2
123	13.0	10.5	15.7



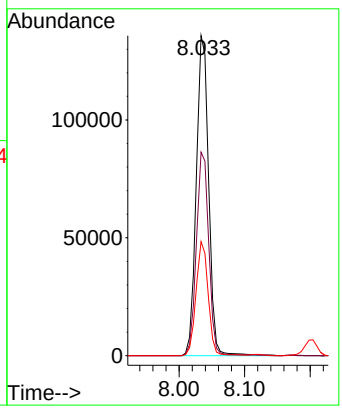


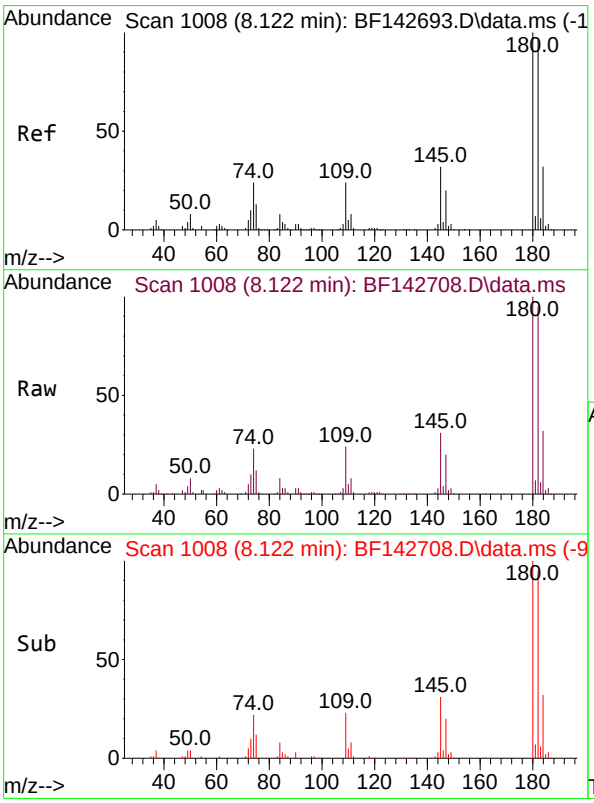
#29
2,4-Dichlorophenol
Concen: 46.031 ng
RT: 8.033 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:162 Resp: 178727

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.0	84.0
98	35.6	14.4	54.4

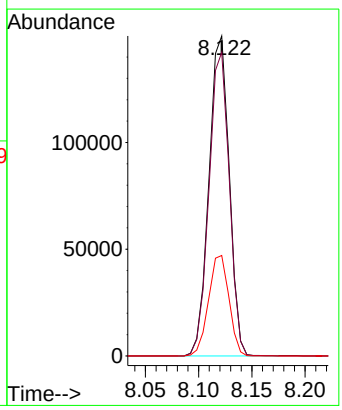


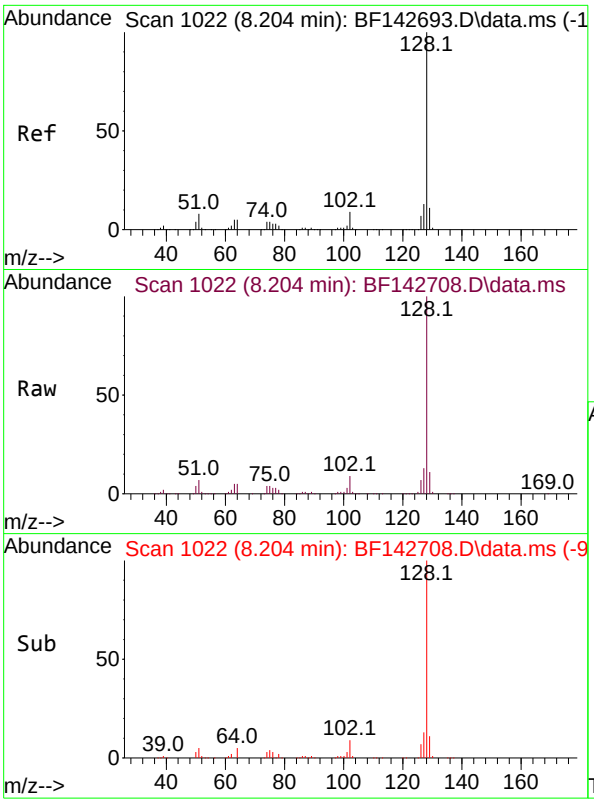


#30
1,2,4-Trichlorobenzene
Concen: 46.909 ng
RT: 8.122 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:180 Resp: 198673

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	31.4	25.4	38.0



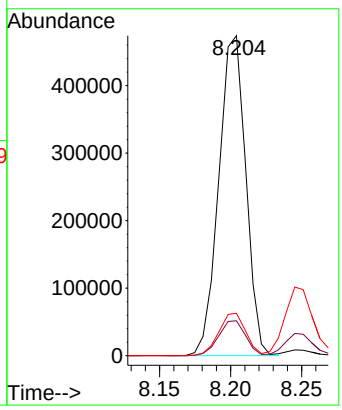


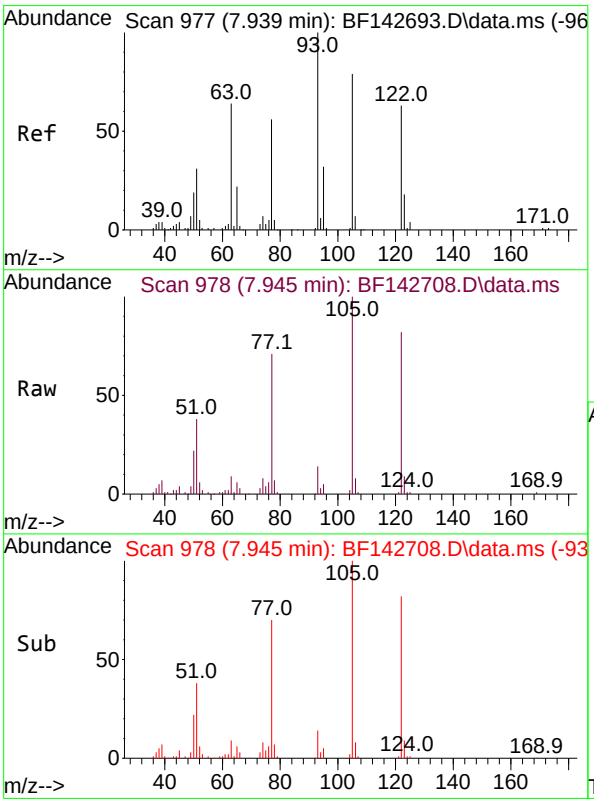
#31
Naphthalene
Concen: 46.304 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:128 Resp: 628617

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.6	15.8

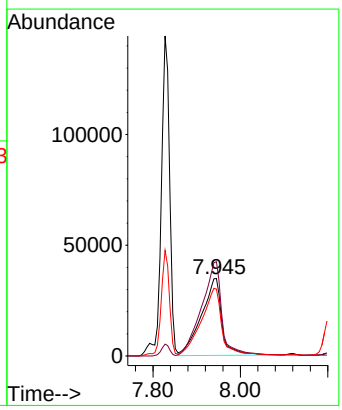


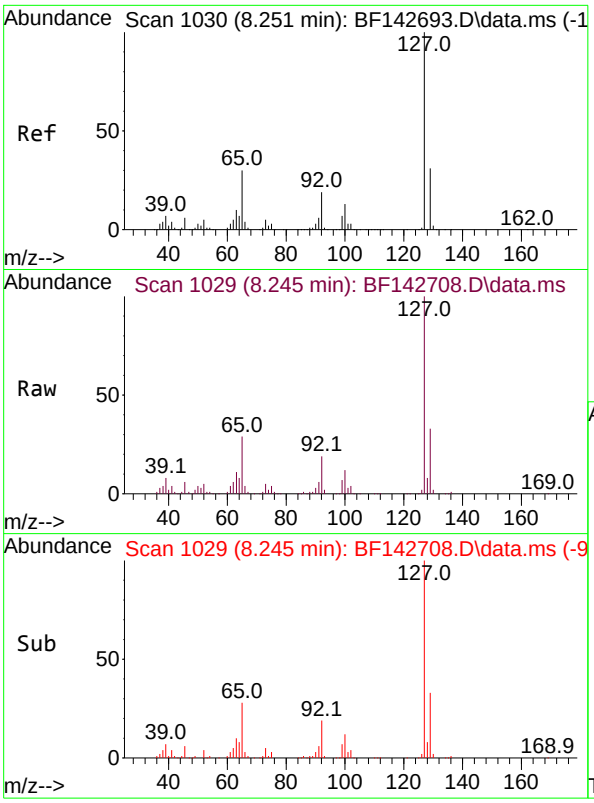


#32
Benzoic acid
Concen: 44.432 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:122 Resp: 114197

Ion	Ratio	Lower	Upper
122	100		
105	121.6	100.3	140.3
77	86.4	67.9	107.9



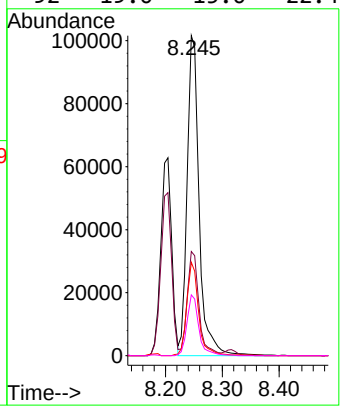


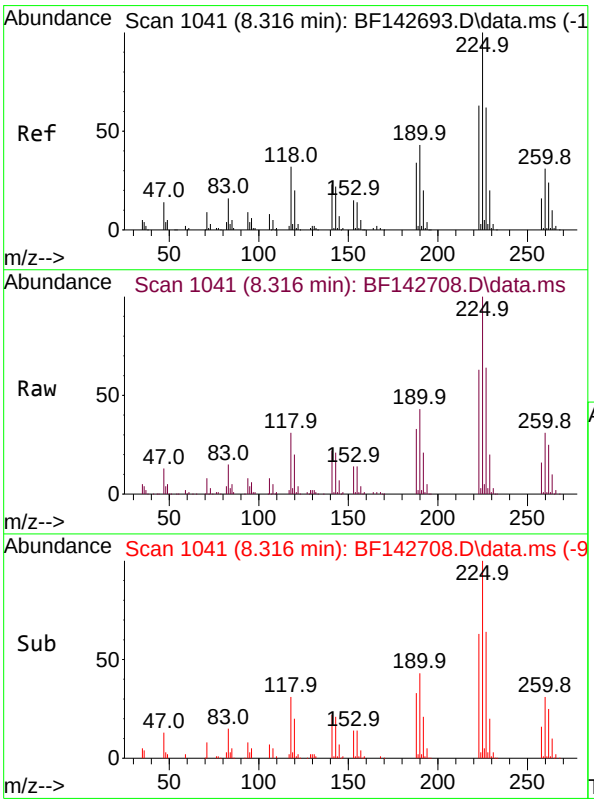
#33
4-Chloroaniline
Concen: 26.913 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:127 Resp: 150212

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	29.1	23.8	35.6
92	19.0	15.0	22.4

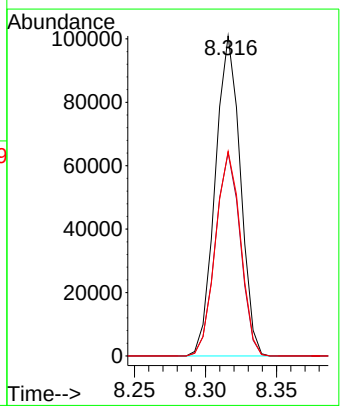


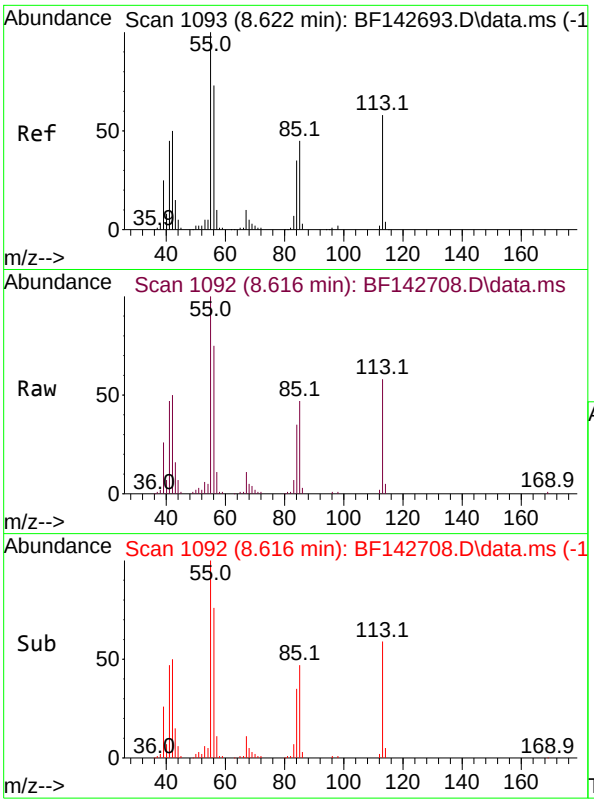


#34
Hexachlorobutadiene
Concen: 47.410 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:225 Resp: 123664

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.7	76.1
227	63.9	49.8	74.8



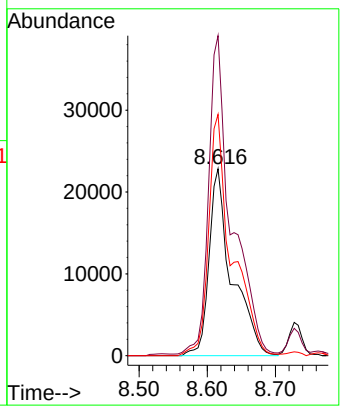


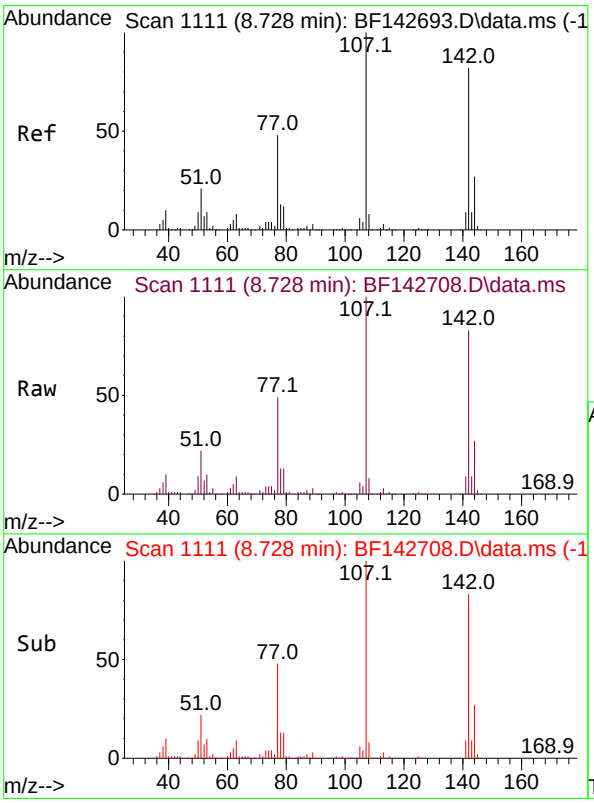
#35
Caprolactam
Concen: 44.804 ng
RT: 8.616 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:113 Resp: 53432

Ion	Ratio	Lower	Upper
113	100		
55	171.3	152.9	192.9
56	129.1	106.6	146.6

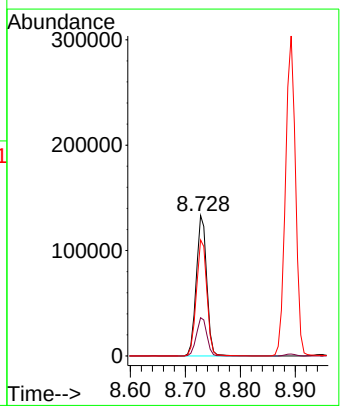


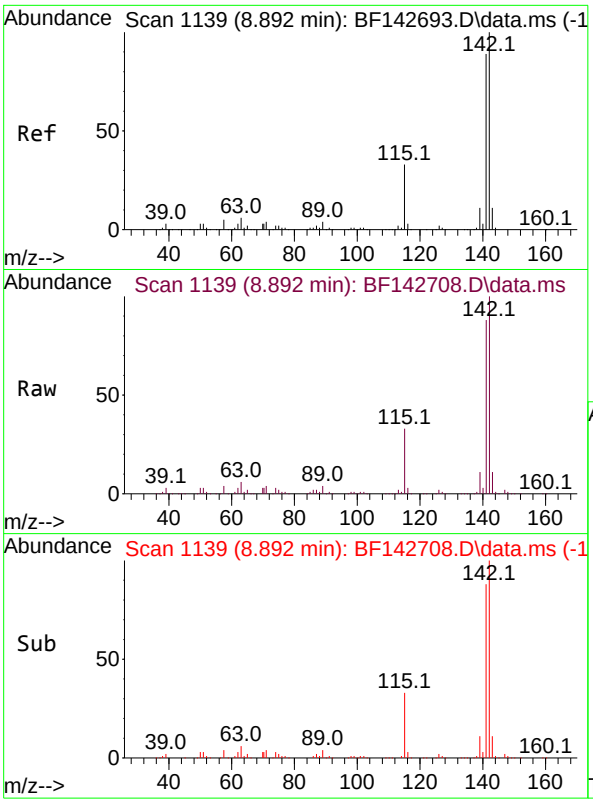


#36
4-Chloro-3-methylphenol
Concen: 44.067 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:107 Resp: 176492

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.5	32.3
142	82.6	65.5	98.3



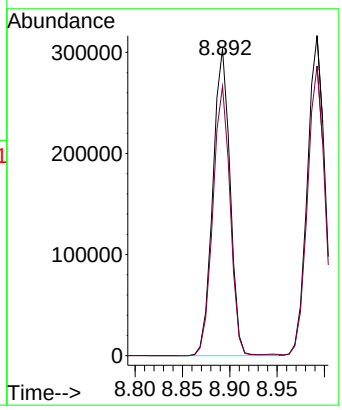


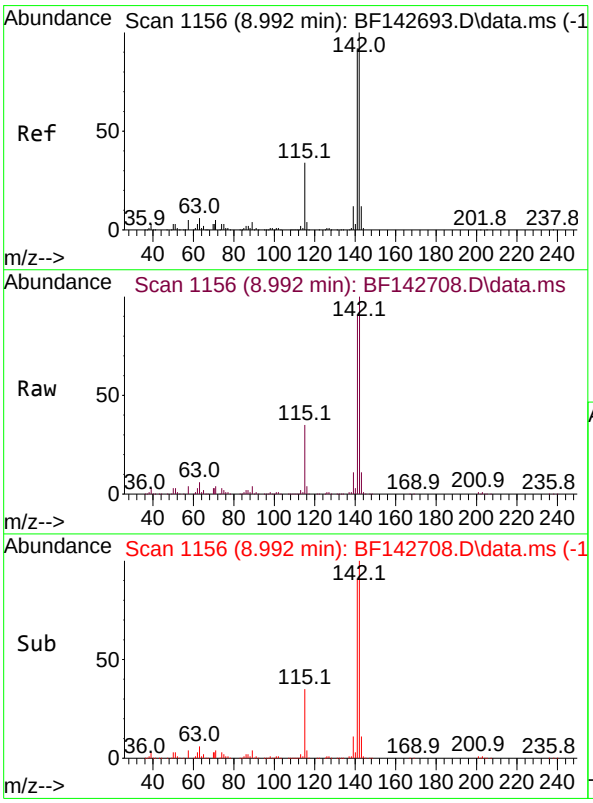
#37
2-Methylnaphthalene
Concen: 44.860 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:142 Resp: 383204

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2

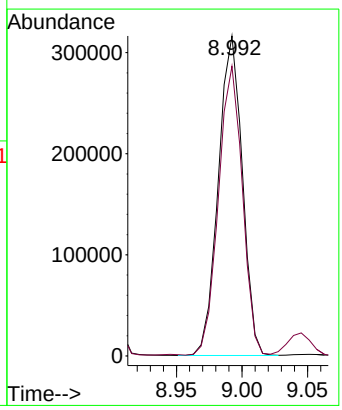


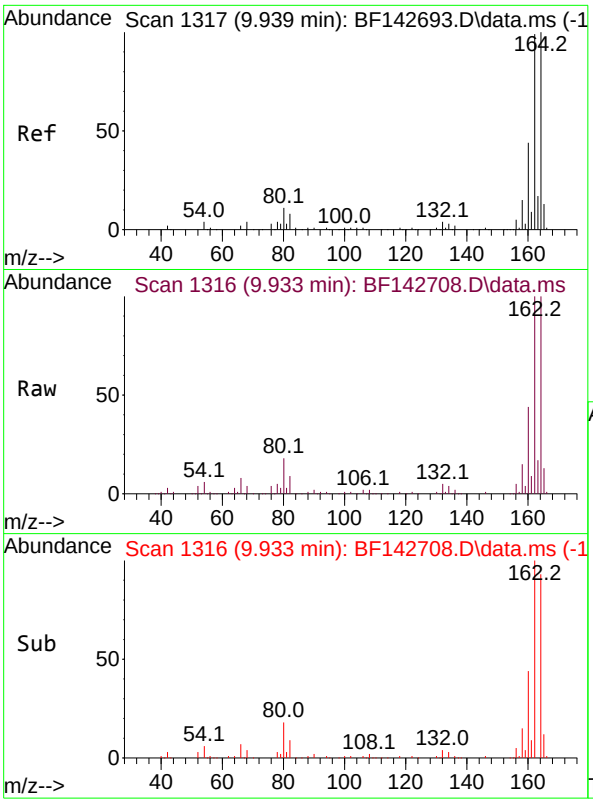


#38
1-Methylnaphthalene
Concen: 45.421 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:142 Resp: 401791

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.7	110.5



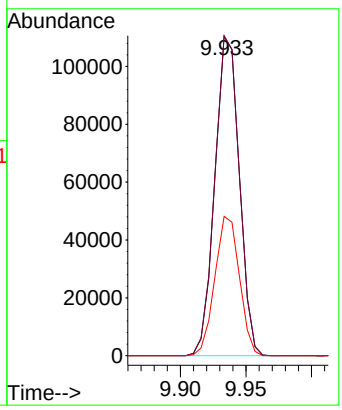


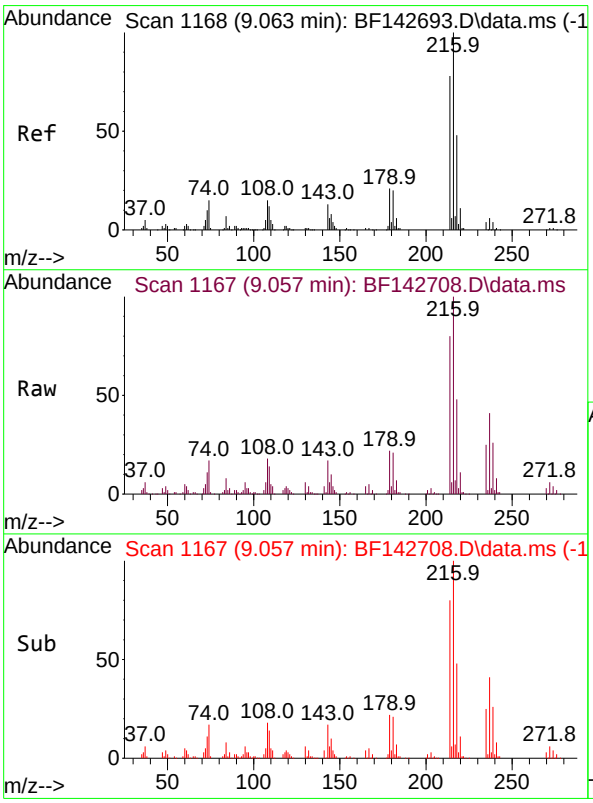
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:164 Resp: 142711

Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.1	118.7
160	43.7	35.4	53.0

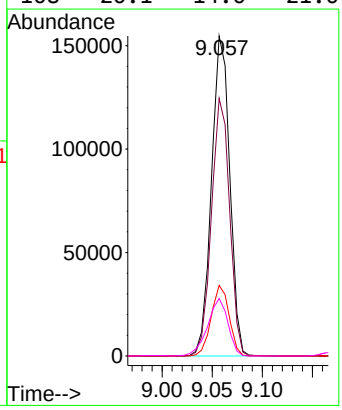


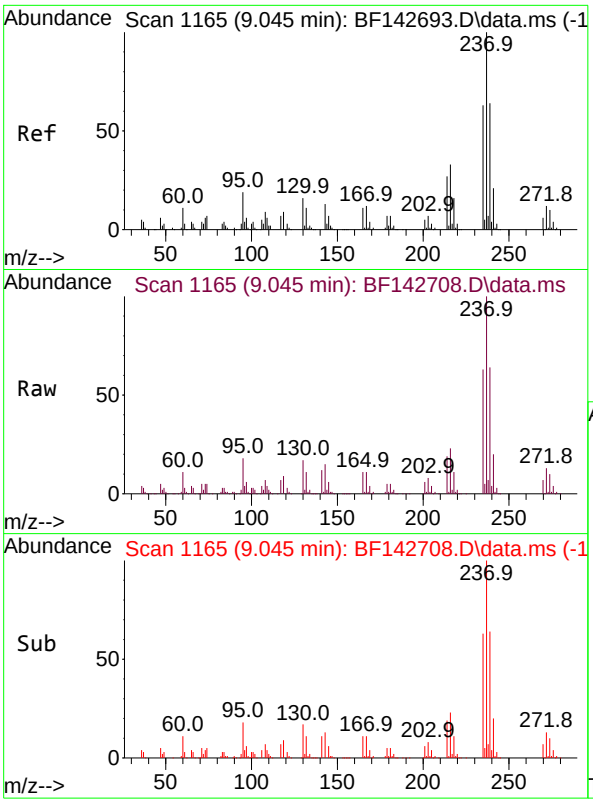


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.494 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:216 Resp: 195877

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.0	94.6
179	21.6	16.6	25.0
108	20.1	14.0	21.0



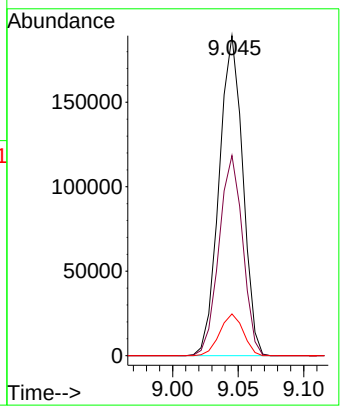


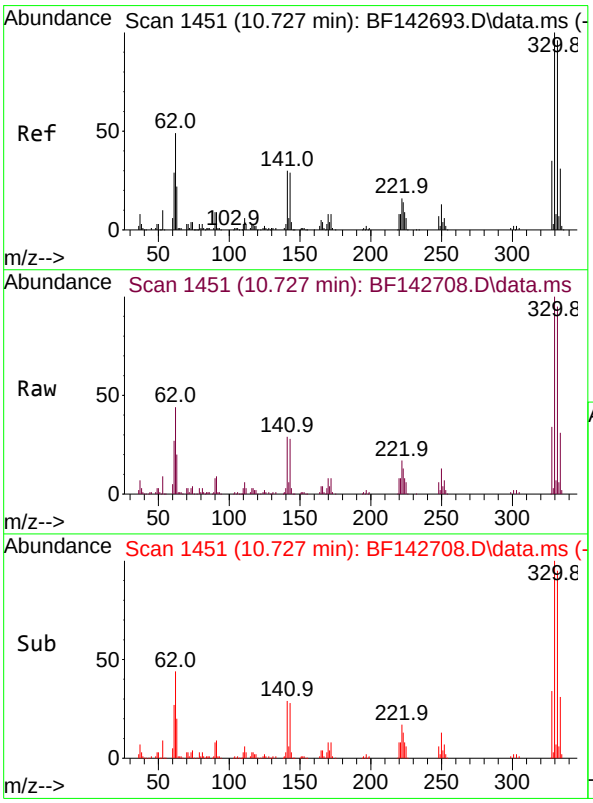
#41
Hexachlorocyclopentadiene
Concen: 98.159 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:237 Resp: 237736

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.1	83.1
272	13.1	0.0	32.5

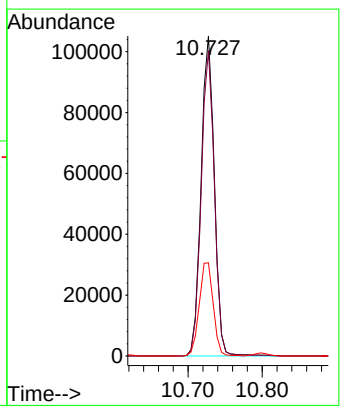


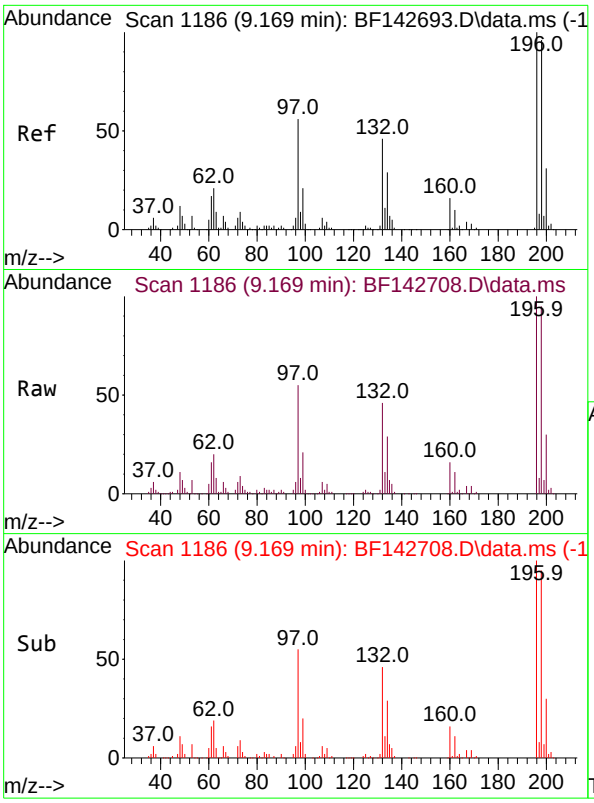


#42
2,4,6-Tribromophenol
Concen: 81.627 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:330 Resp: 130878

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	30.8	23.5	35.3



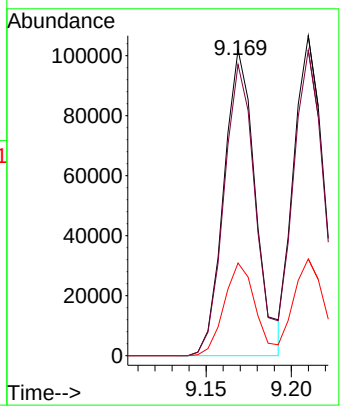


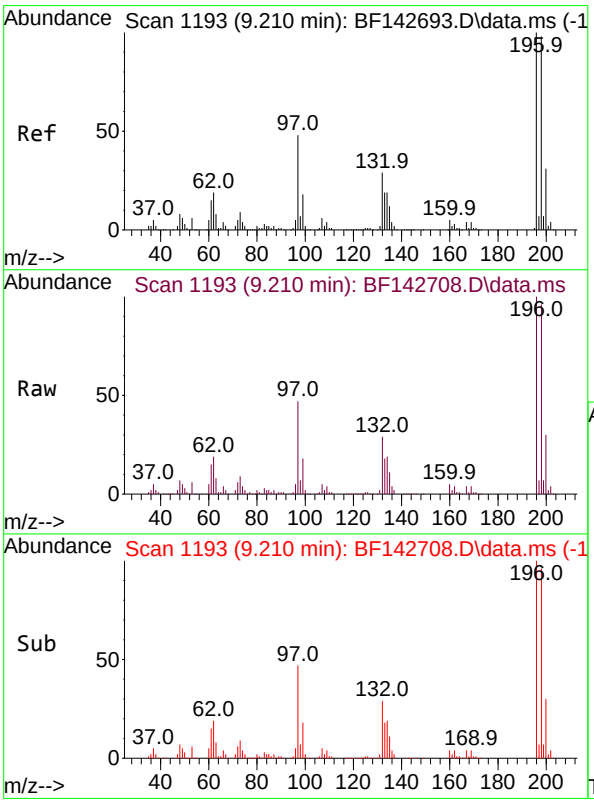
#43
2,4,6-Trichlorophenol
Concen: 48.400 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:196 Resp: 130978

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.1	115.7
200	30.3	24.5	36.7

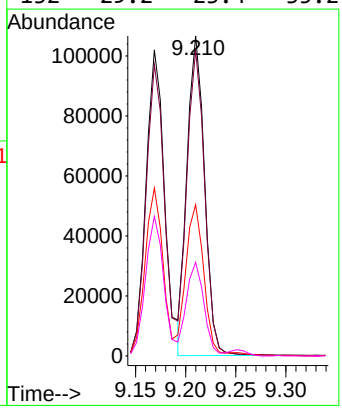


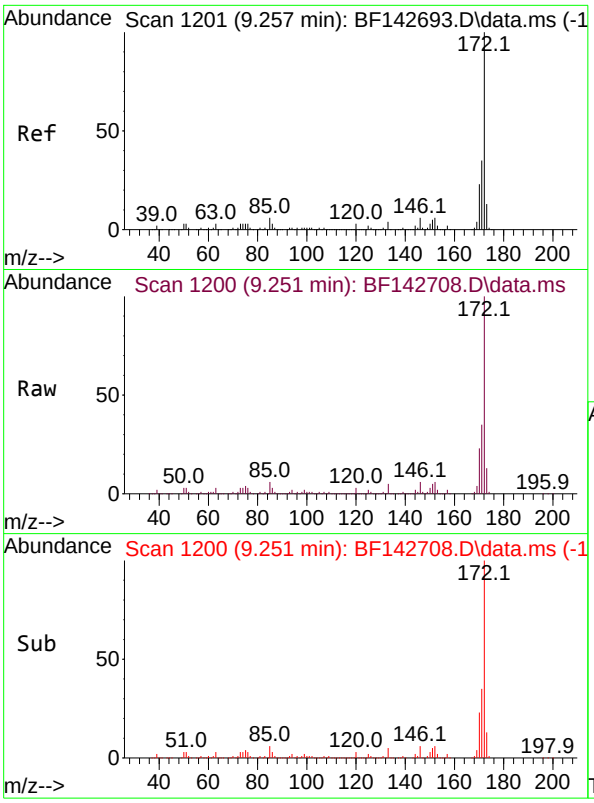


#44
2,4,5-Trichlorophenol
Concen: 44.984 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:196 Resp: 130023

Ion	Ratio	Lower	Upper
196	100		
198	95.5	78.2	117.2
97	47.3	39.2	58.8
132	29.2	23.4	35.2



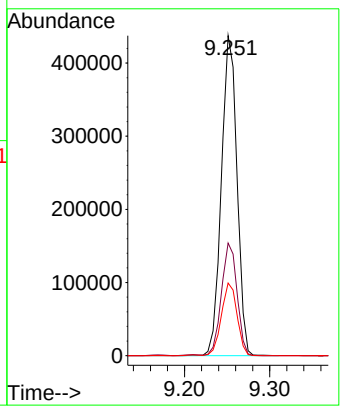


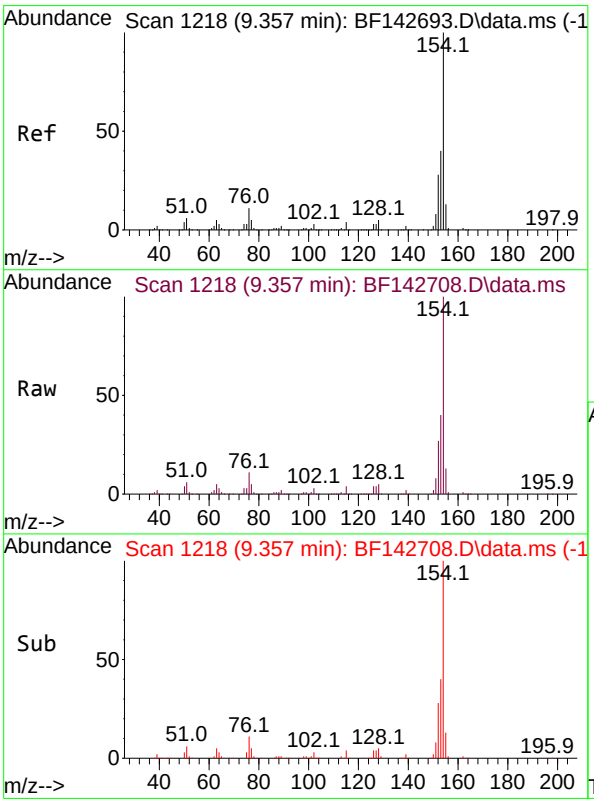
#45
2-Fluorobiphenyl
Concen: 53.332 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:172 Resp: 556539

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	22.7	18.7	28.1

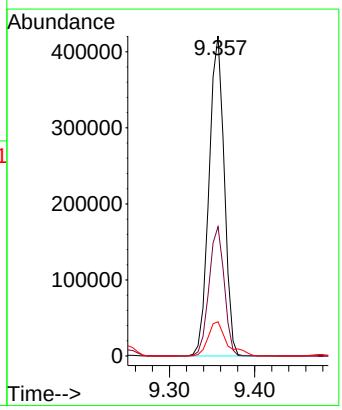


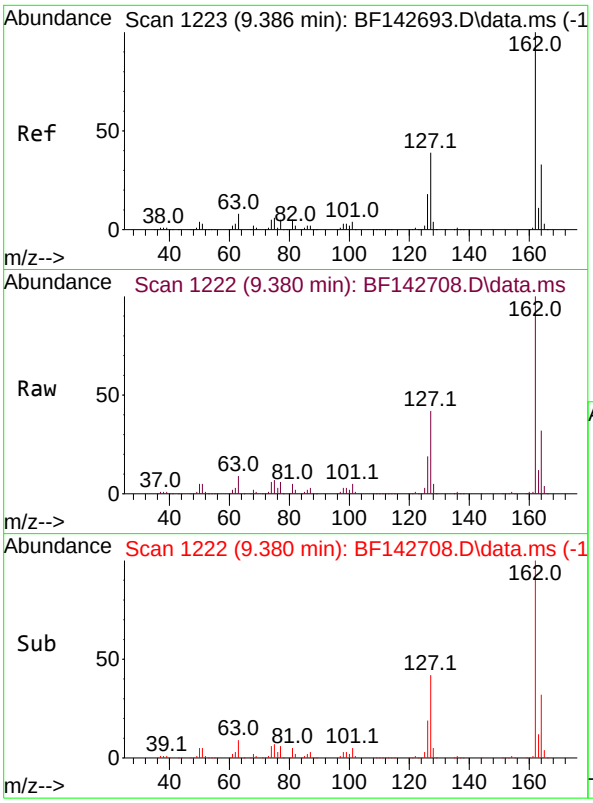


#46
1,1'-Biphenyl
Concen: 47.125 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:154 Resp: 522957

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.4	60.4
76	10.7	0.0	31.4



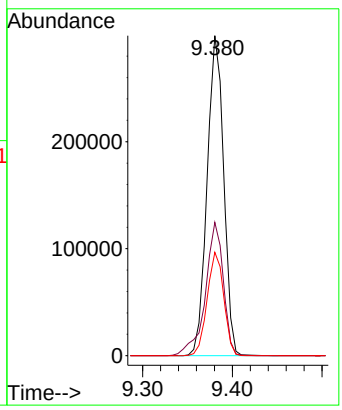


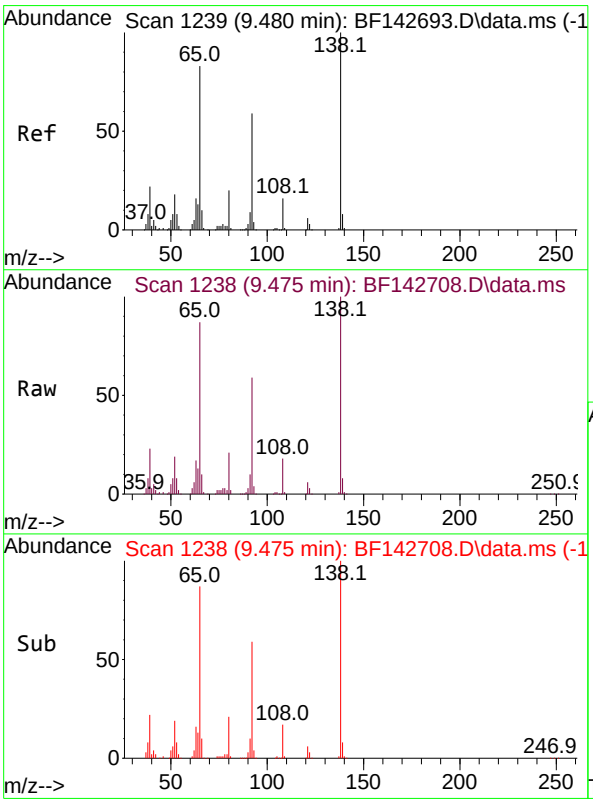
#47
2-Chloronaphthalene
Concen: 46.200 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:162 Resp: 384142

Ion	Ratio	Lower	Upper
162	100		
127	41.7	31.7	47.5
164	32.3	26.2	39.4

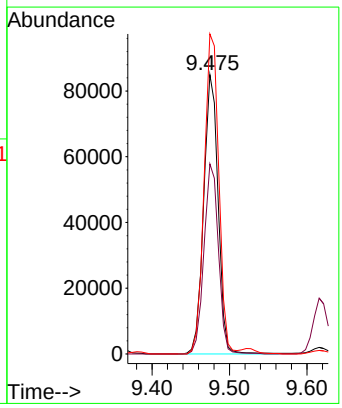


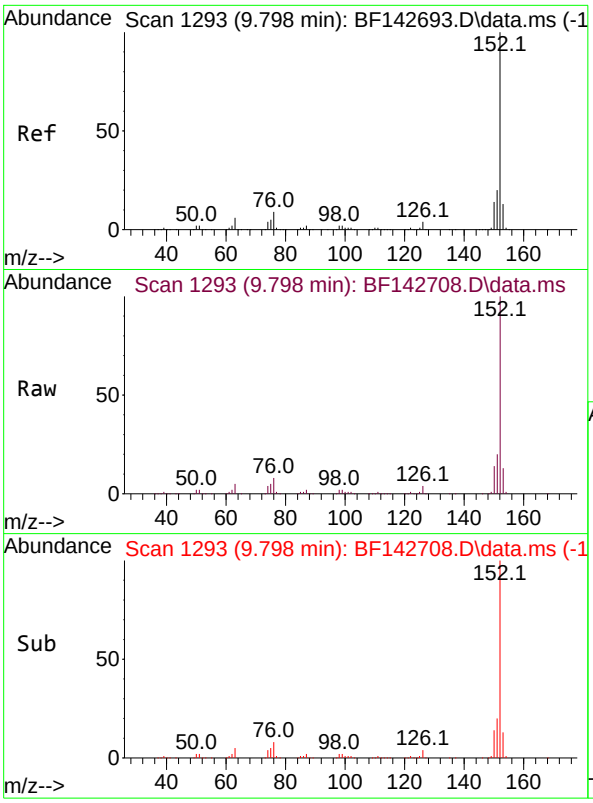


#48
2-Nitroaniline
Concen: 44.484 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion: 65 Resp: 110067

Ion	Ratio	Lower	Upper
65	100		
92	68.0	56.3	84.5
138	114.5	95.9	143.9



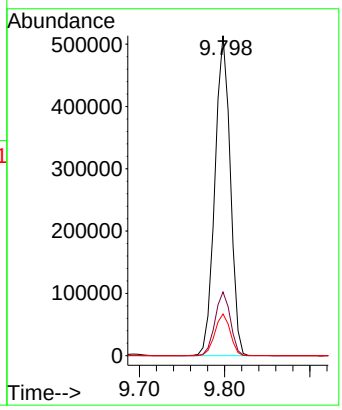


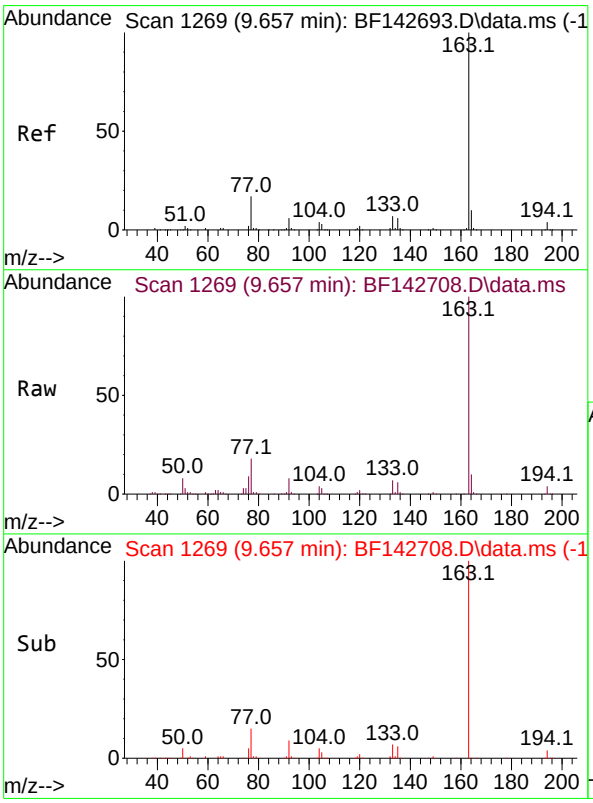
#49
Acenaphthylene
Concen: 46.788 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:152 Resp: 644772

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

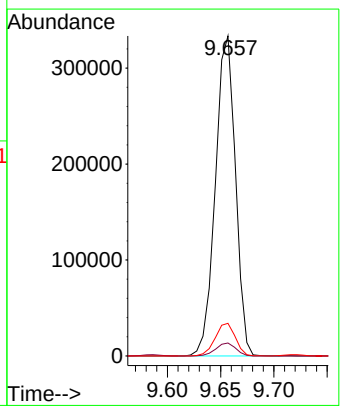


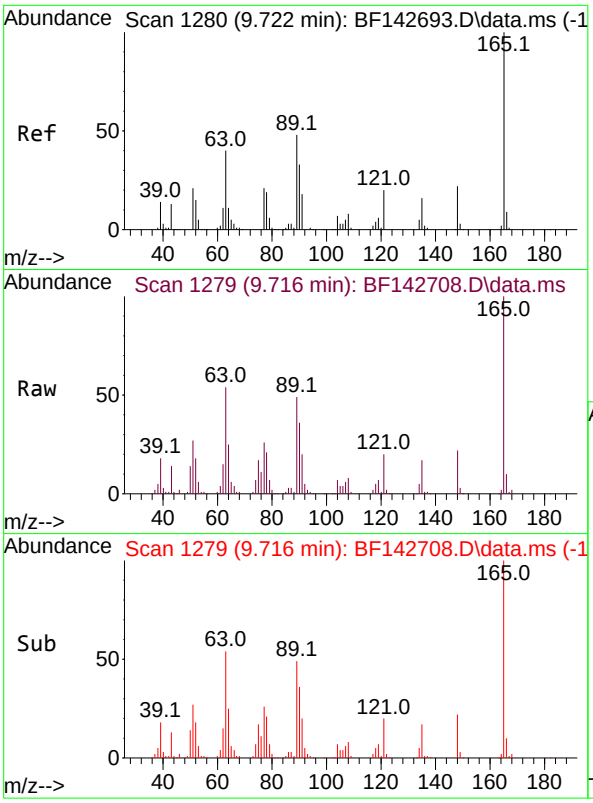


#50
Dimethylphthalate
Concen: 45.471 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:163 Resp: 436604

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.1	12.1



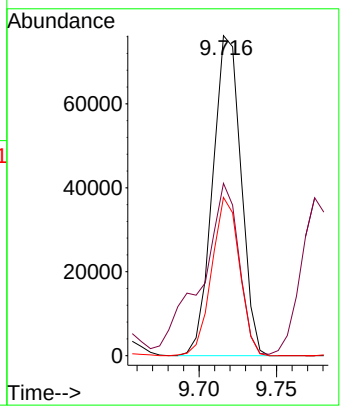


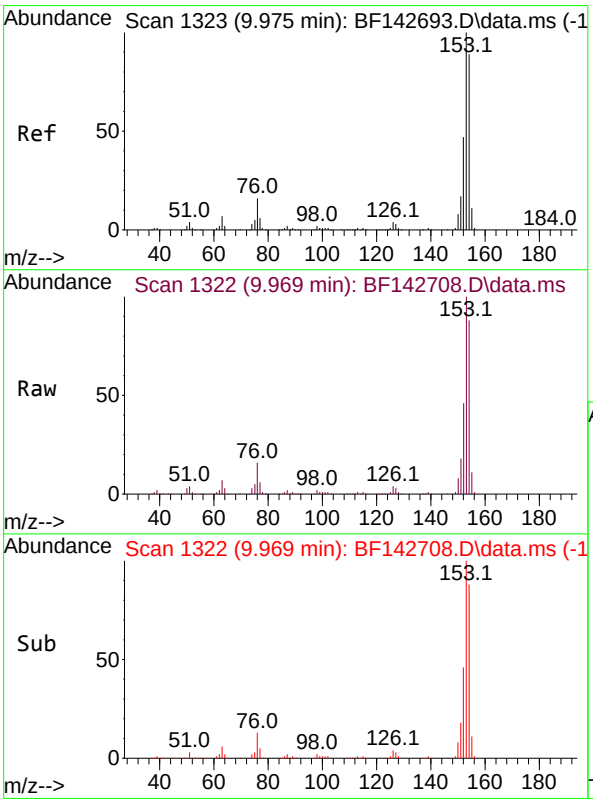
#51
2,6-Dinitrotoluene
Concen: 46.703 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:165 Resp: 97005

Ion	Ratio	Lower	Upper
165	100		
63	53.8	41.3	61.9
89	49.5	38.1	57.1

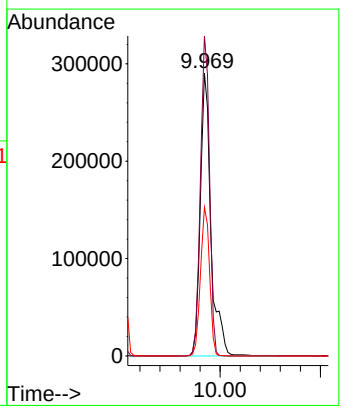


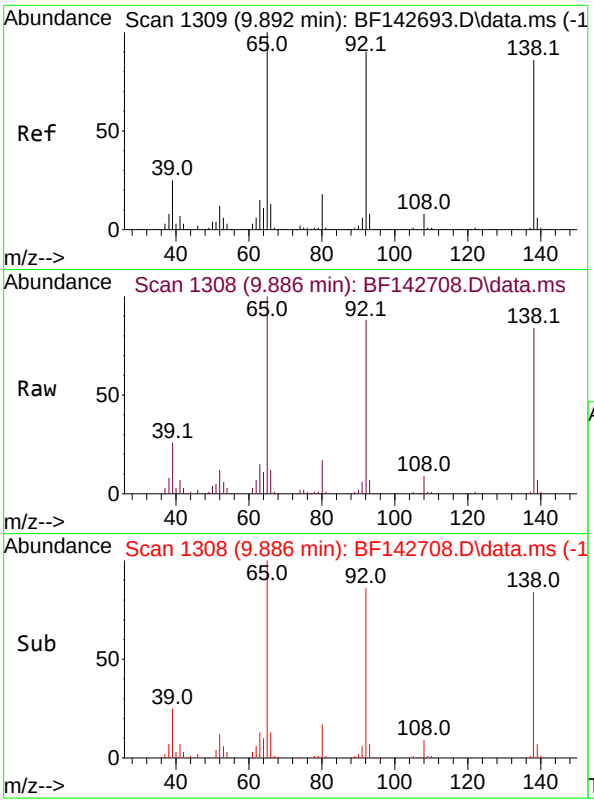


#52
Acenaphthene
Concen: 50.646 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:154 Resp: 426949

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.5	134.3
152	52.6	41.8	62.8



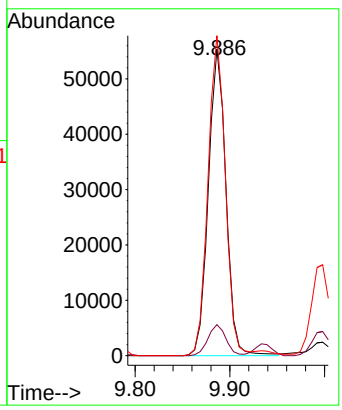


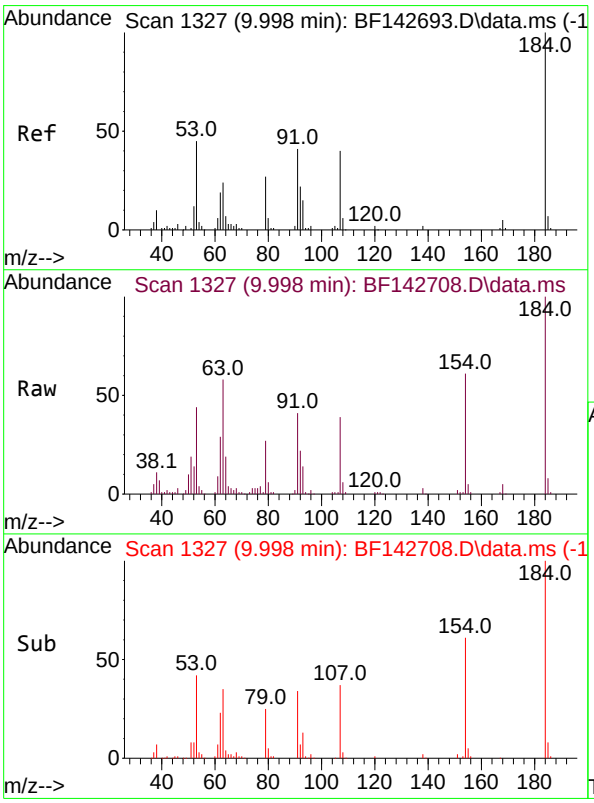
#53
3-Nitroaniline
Concen: 30.555 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:138 Resp: 71312

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.7	11.5
92	104.4	83.4	125.0

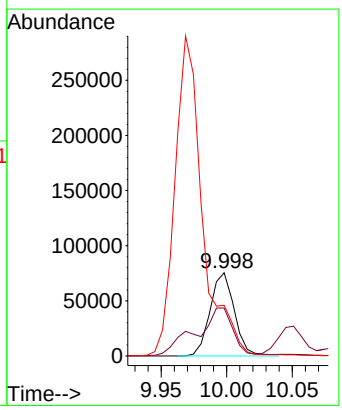


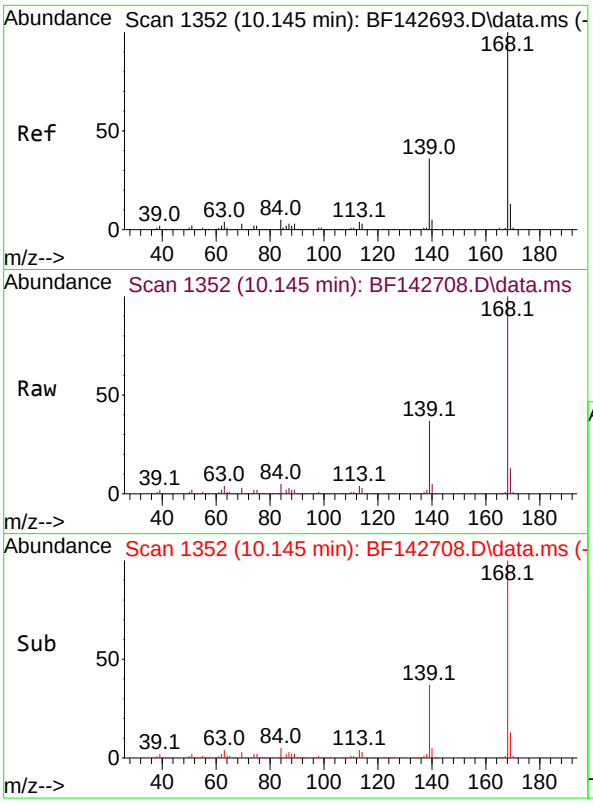


#54
2,4-Dinitrophenol
Concen: 84.859 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:184 Resp: 97586

Ion	Ratio	Lower	Upper
184	100		
63	57.7	47.4	71.0
154	60.9	48.6	73.0



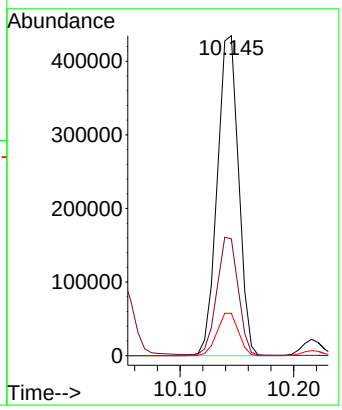


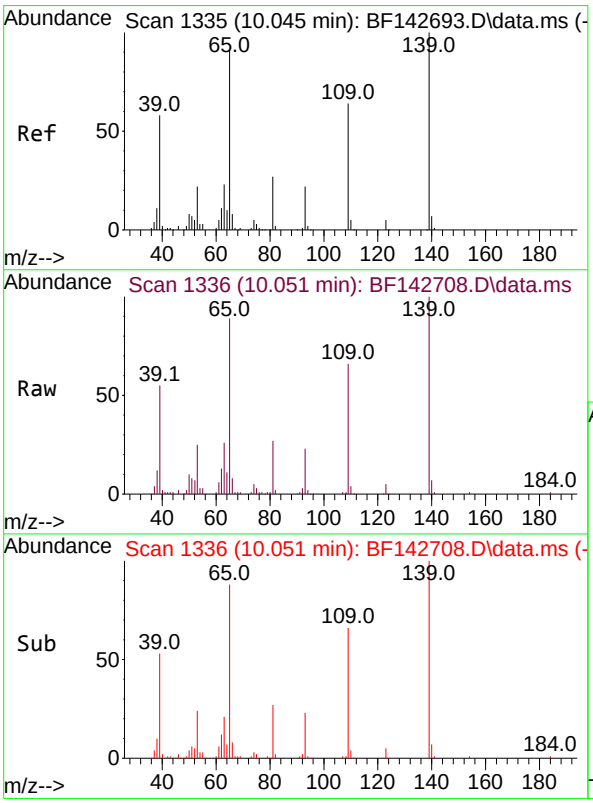
#55
Dibenzofuran
Concen: 46.908 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:168 Resp: 567305

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.2	43.8
169	13.2	10.7	16.1

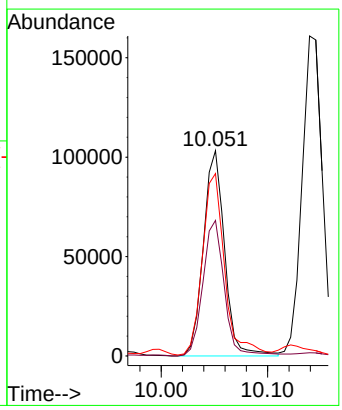


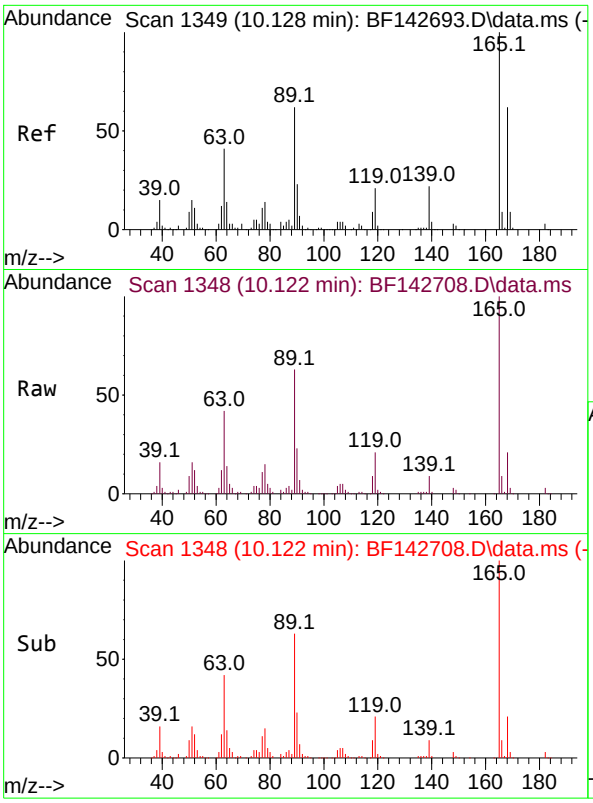


#56
4-Nitrophenol
Concen: 89.319 ng
RT: 10.051 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:139 Resp: 143285

Ion	Ratio	Lower	Upper
139	100		
109	66.0	44.4	84.4
65	88.8	72.1	112.1



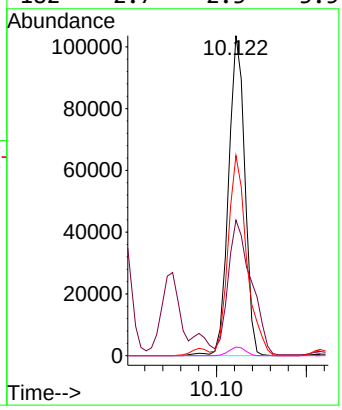


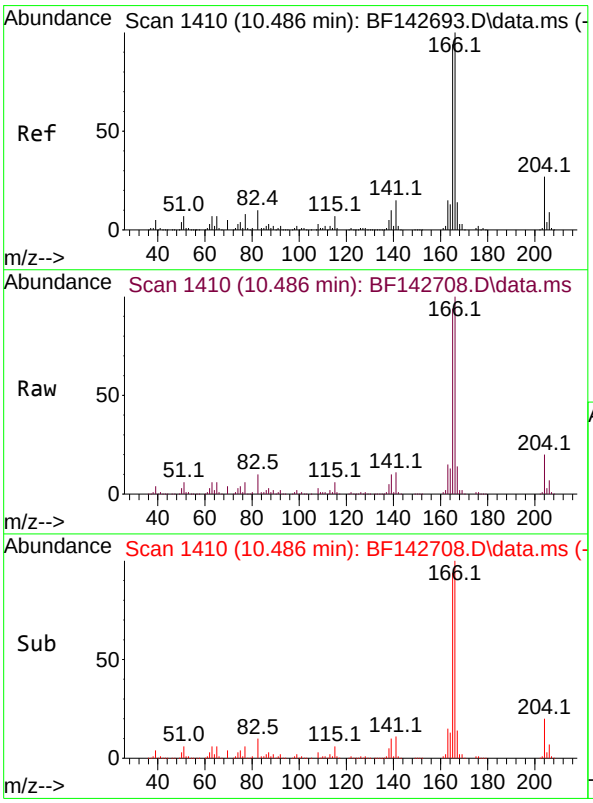
#57
2,4-Dinitrotoluene
Concen: 46.890 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:165 Resp: 130550

Ion	Ratio	Lower	Upper
165	100		
63	42.4	33.6	50.4
89	62.6	49.4	74.0
182	2.7	2.3	3.5

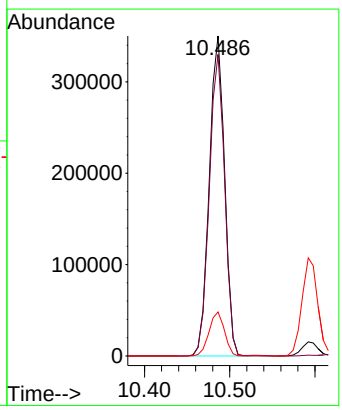


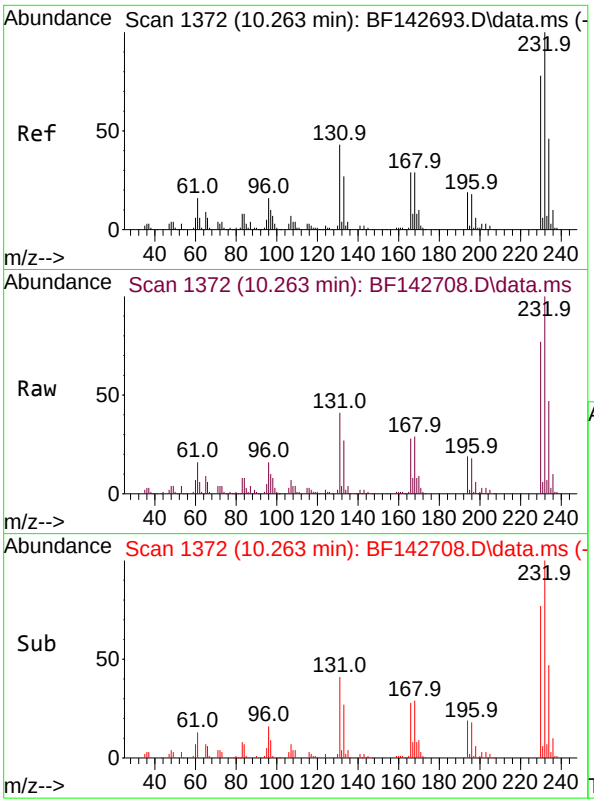


#58
Fluorene
Concen: 45.283 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:166 Resp: 437729

Ion	Ratio	Lower	Upper
166	100		
165	94.3	75.0	112.6
167	13.7	10.8	16.2



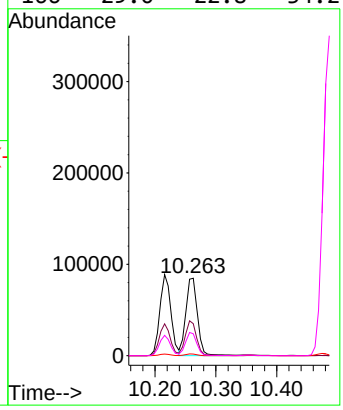


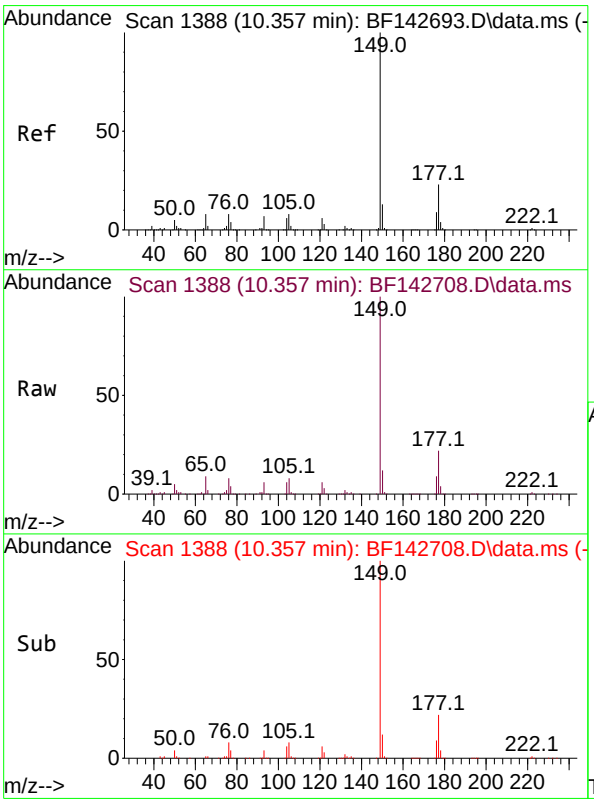
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.211 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:232 Resp: 112396

Ion	Ratio	Lower	Upper
232	100		
131	43.5	33.5	50.3
130	2.1	1.5	2.3
166	29.0	22.8	34.2

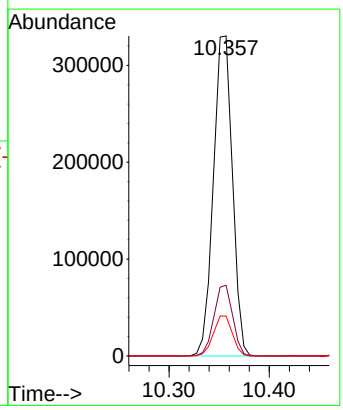


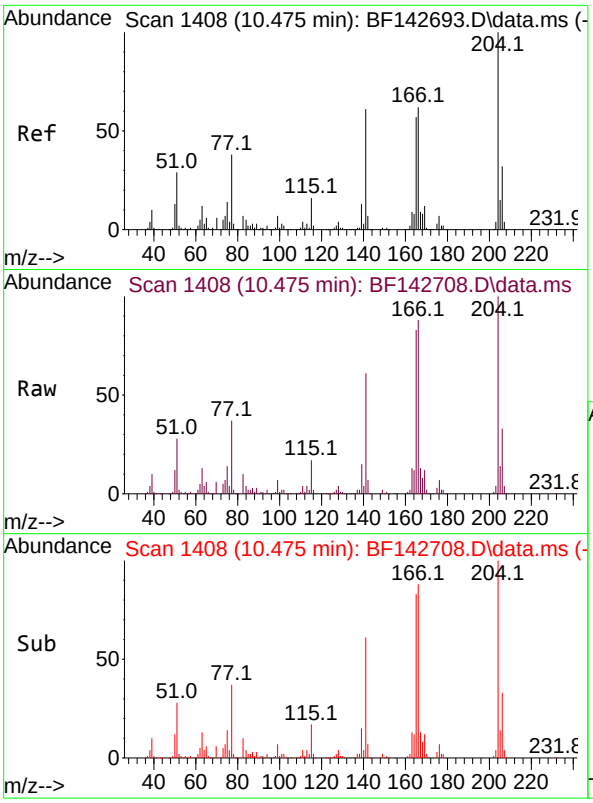


#60
Diethylphthalate
Concen: 46.768 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:149 Resp: 435949

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	12.4	10.0	15.0



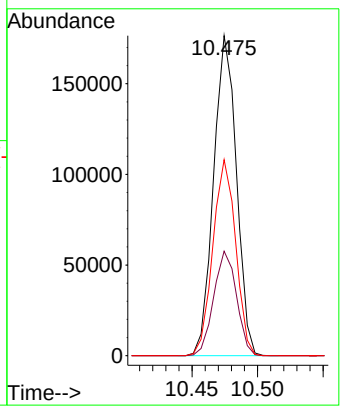


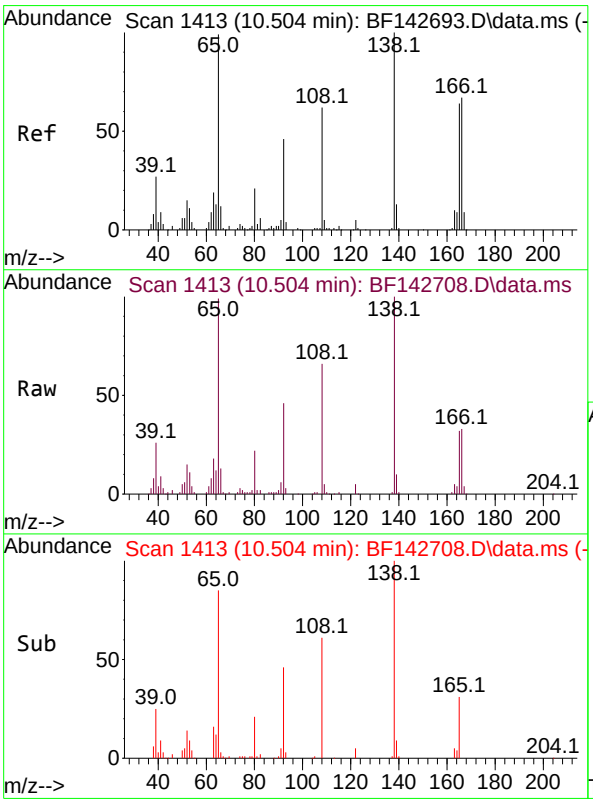
#61
4-Chlorophenyl-phenylether
Concen: 46.664 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:204 Resp: 213265

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.6	38.4
141	61.3	48.9	73.3

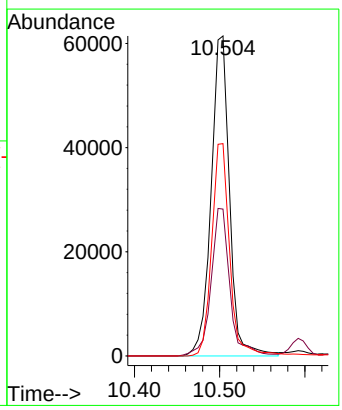


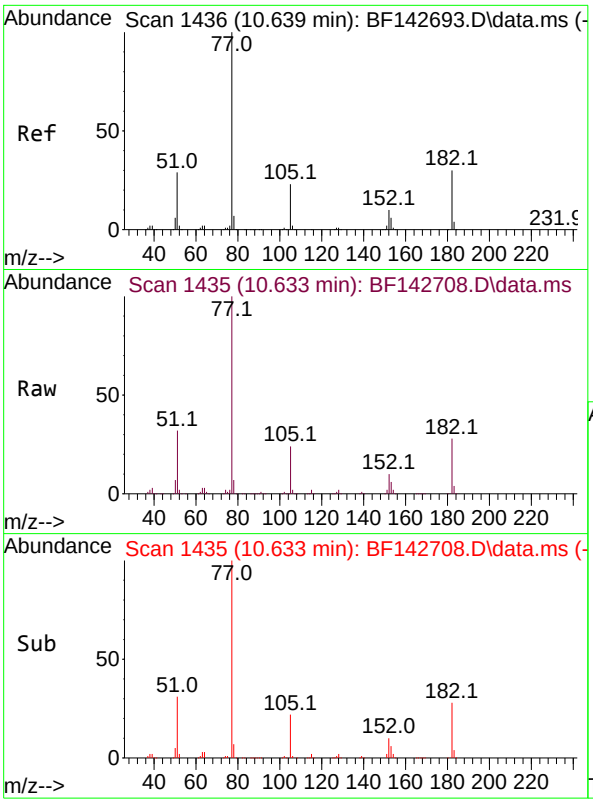


#62
4-Nitroaniline
Concen: 41.775 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:138 Resp: 92488

Ion	Ratio	Lower	Upper
138	100		
92	45.9	25.8	65.8
108	66.4	42.3	82.3



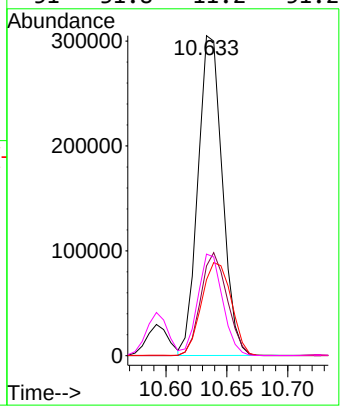


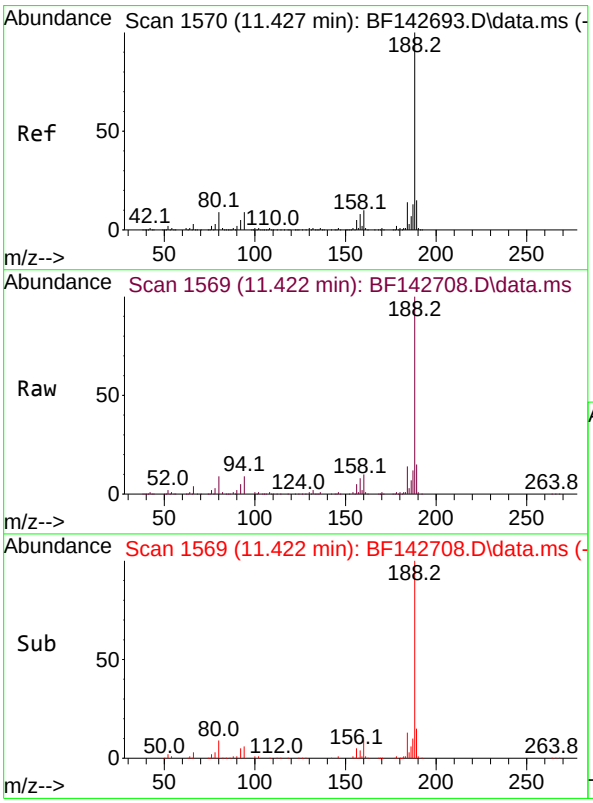
#63
Azobenzene
Concen: 50.849 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion: 77 Resp: 424592

Ion	Ratio	Lower	Upper
77	100		
182	28.1	9.5	49.5
105	23.8	2.3	42.3
51	31.8	11.2	51.2

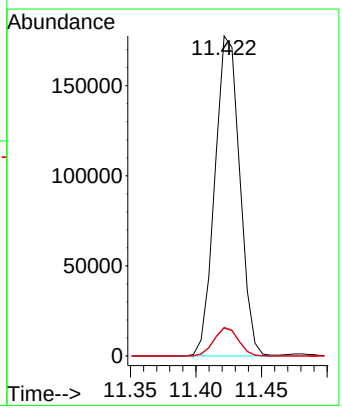


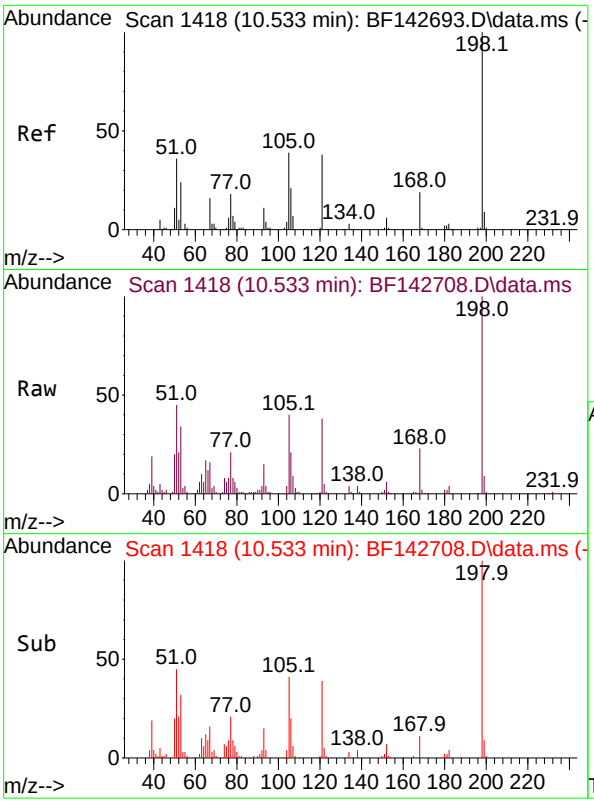


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:188 Resp: 234155

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.0	10.4
80	9.0	7.2	10.8



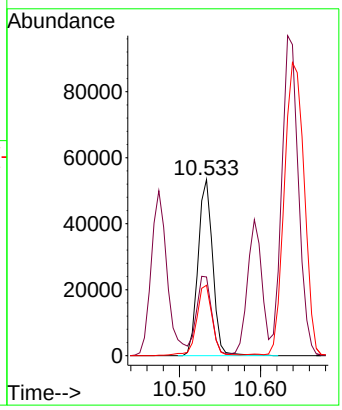


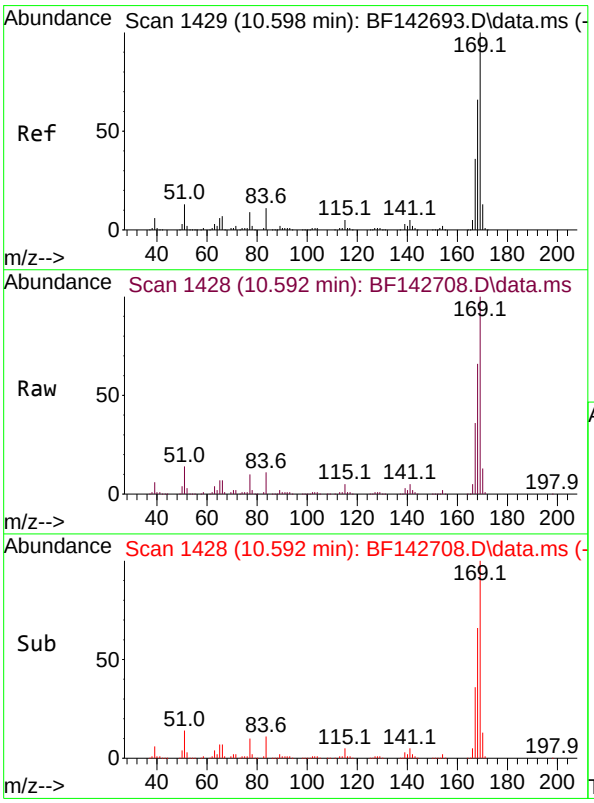
#65
4,6-Dinitro-2-methylphenol
Concen: 44.767 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:198 Resp: 66857

Ion	Ratio	Lower	Upper
198	100		
51	44.7	25.9	65.9
105	39.9	20.0	60.0

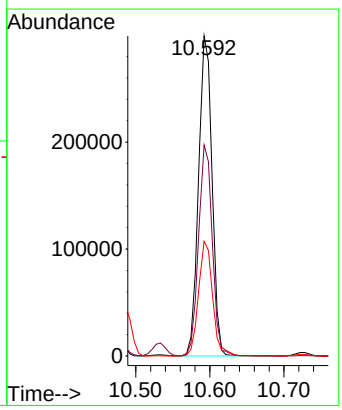


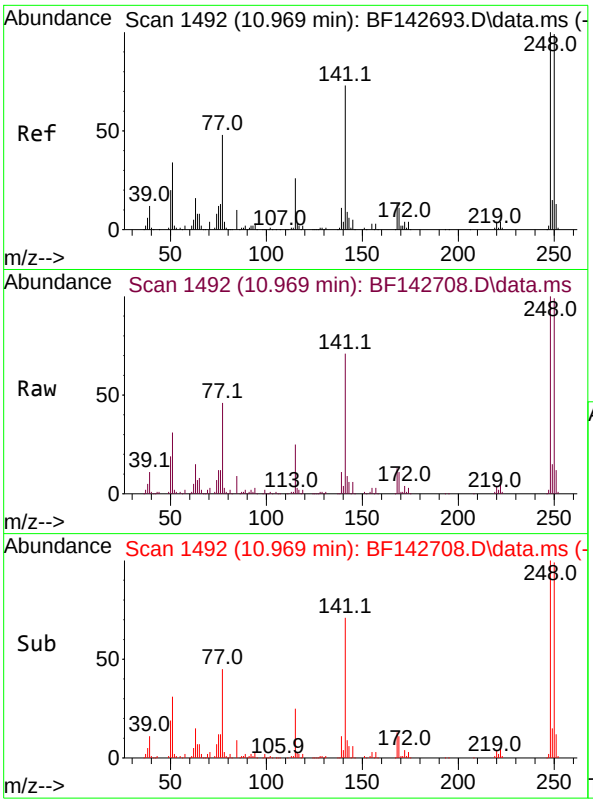


#66
n-Nitrosodiphenylamine
Concen: 49.955 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:169 Resp: 377664

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.1	79.7
167	35.8	28.4	42.6



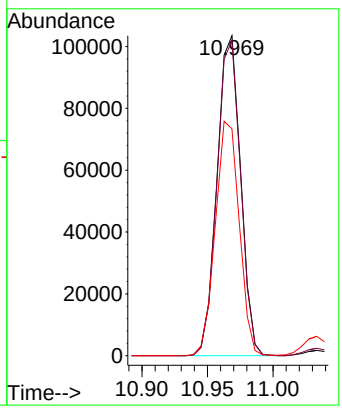


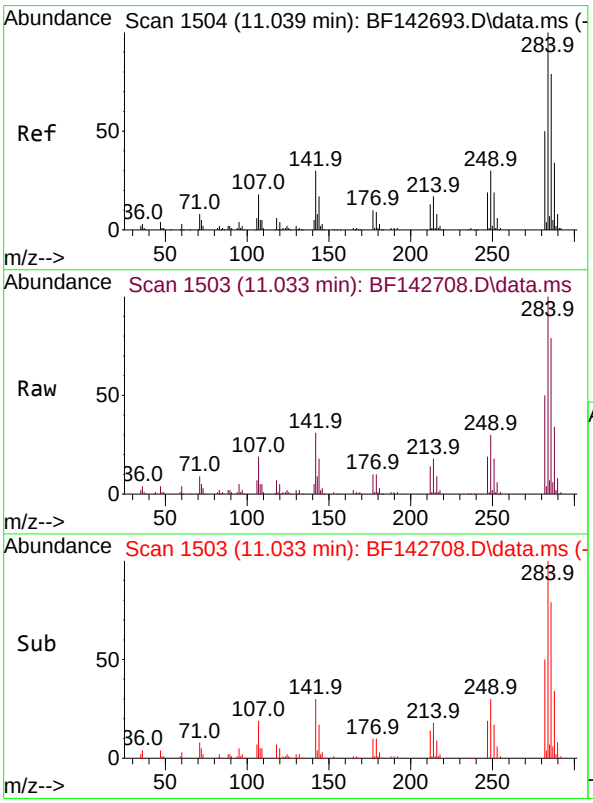
#67
4-Bromophenyl-phenylether
Concen: 50.082 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:248 Resp: 129618

Ion	Ratio	Lower	Upper
248	100		
250	98.5	79.1	118.7
141	70.9	58.5	87.7

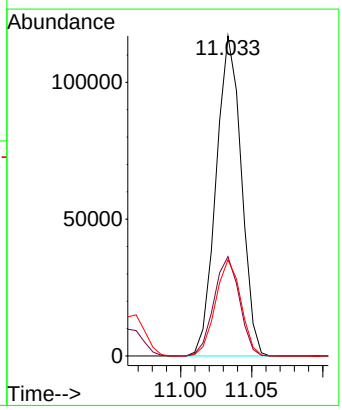


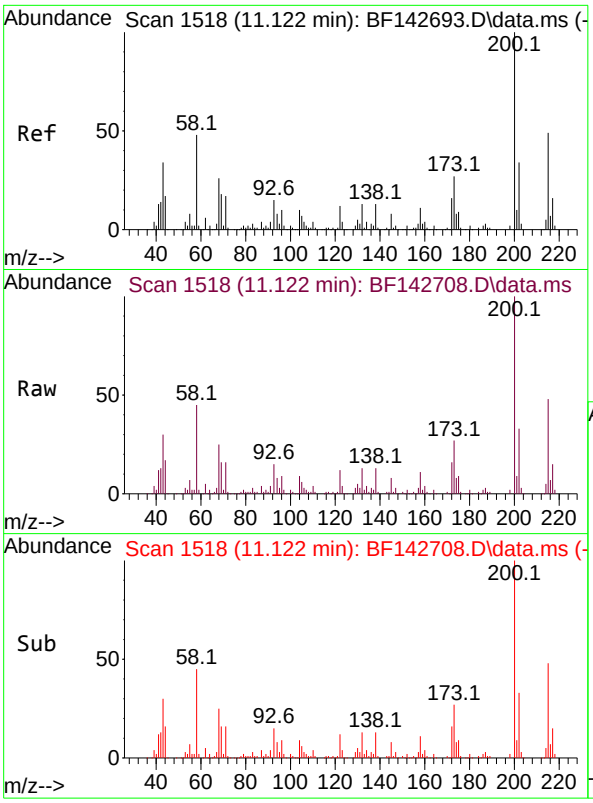


#68
Hexachlorobenzene
Concen: 48.621 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:284 Resp: 144592

Ion	Ratio	Lower	Upper
284	100		
142	31.0	23.6	35.4
249	30.1	23.8	35.8



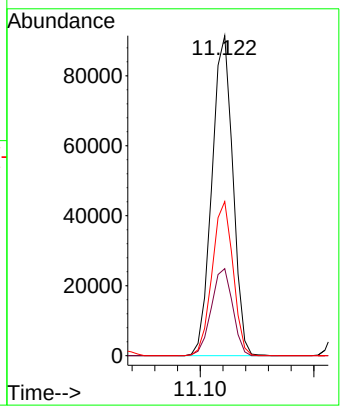


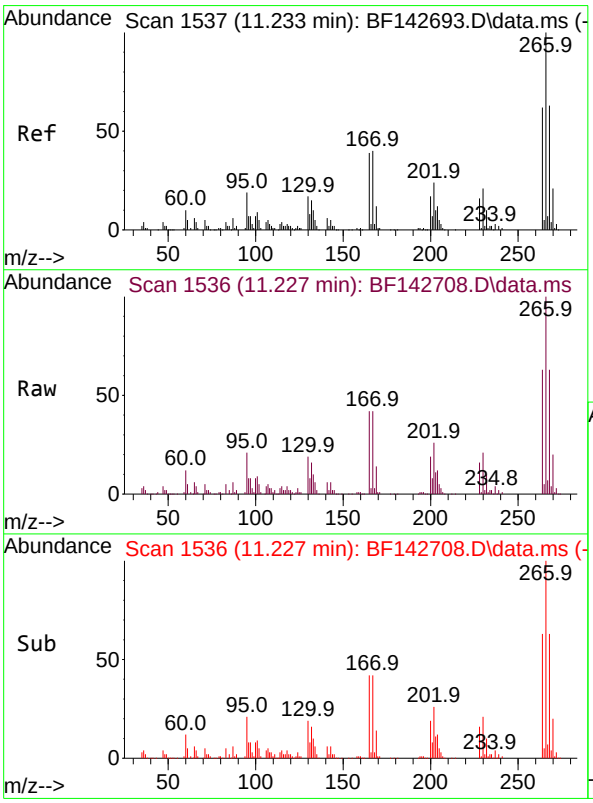
#69
Atrazine
Concen: 51.118 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:200 Resp: 117197

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.4	47.4
215	48.1	28.9	68.9

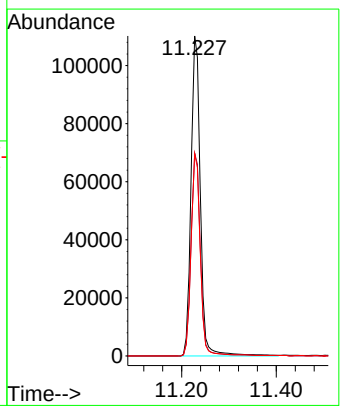


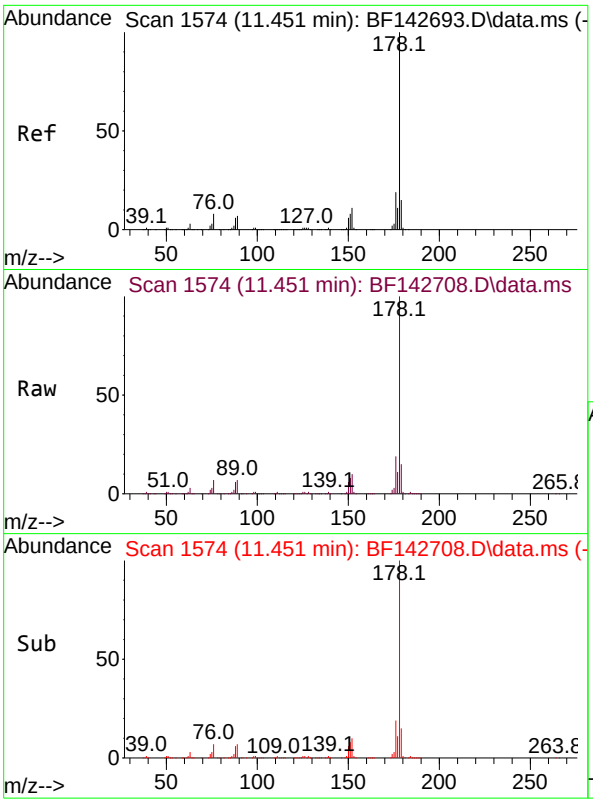


#70
Pentachlorophenol
Concen: 92.349 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:266 Resp: 151032

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.8	76.2
264	63.2	49.7	74.5



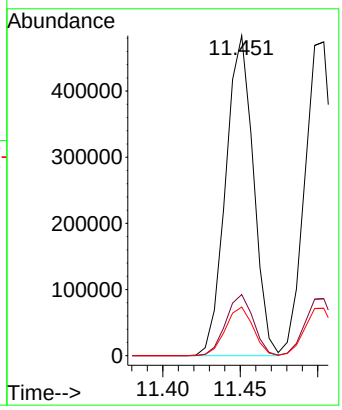


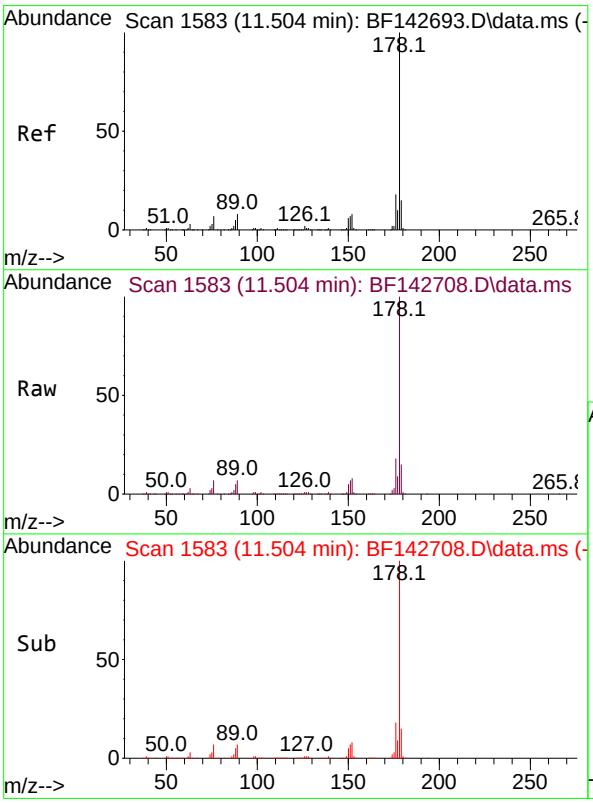
#71
Phenanthrene
Concen: 48.070 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:178 Resp: 601737

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.2	12.4	18.6

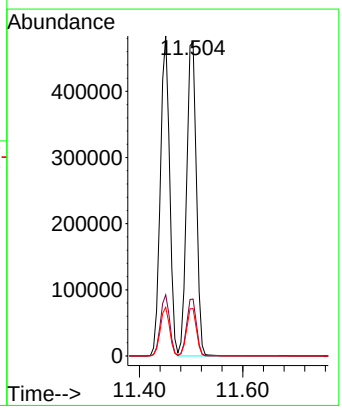


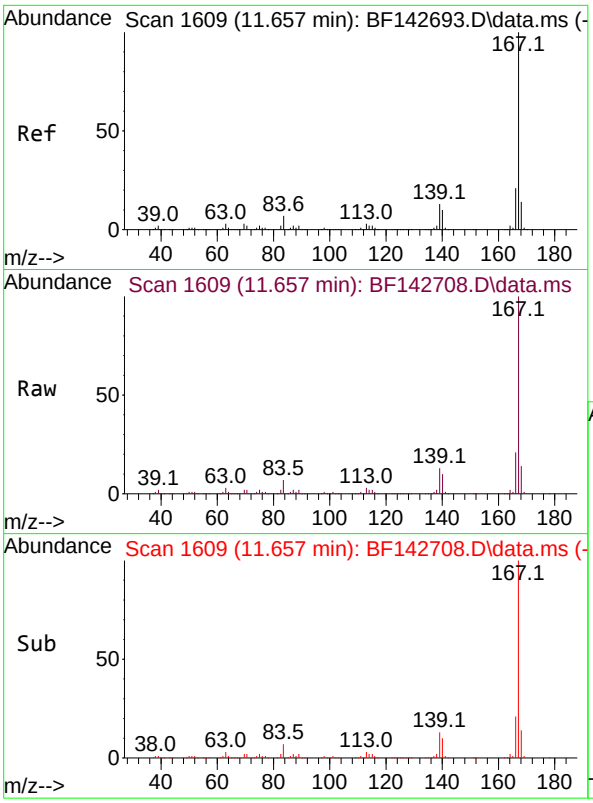


#72
Anthracene
Concen: 47.721 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:178 Resp: 619924

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.1	12.2	18.2



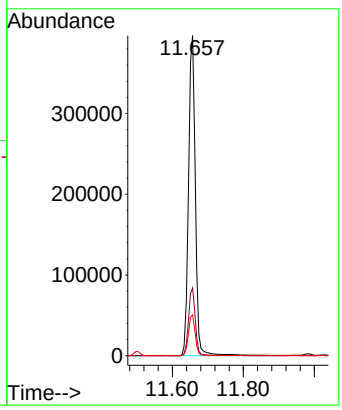


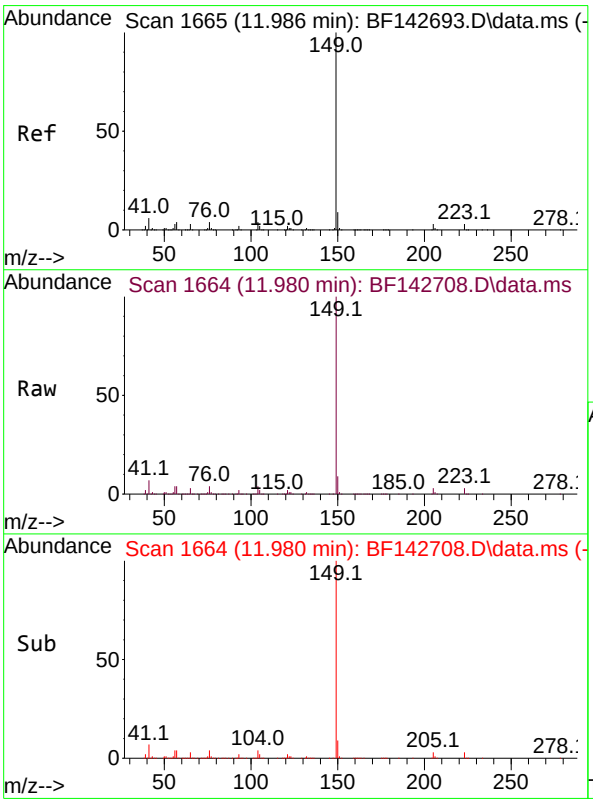
#73
Carbazole
Concen: 45.359 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:167 Resp: 530592

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.8	10.1	15.1

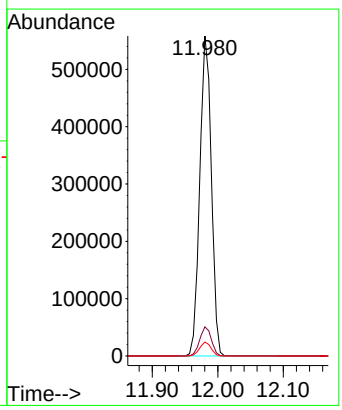


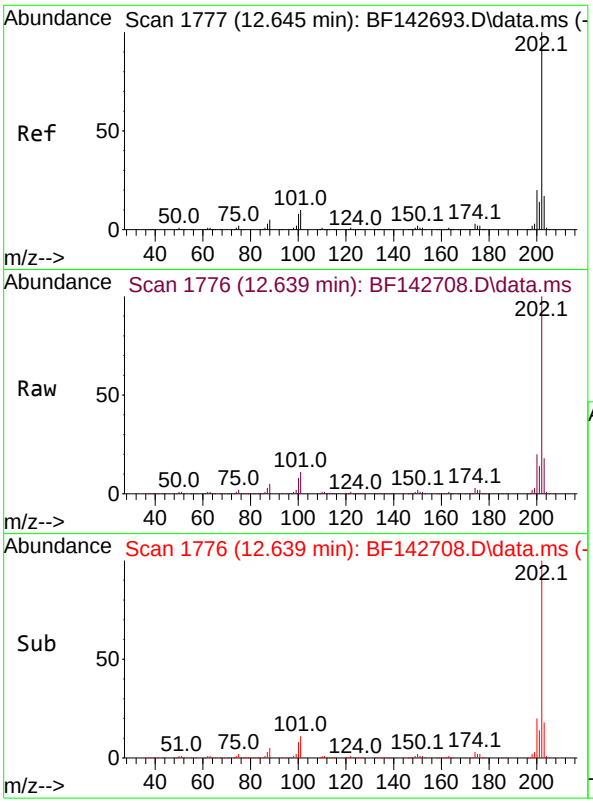


#74
Di-n-butylphthalate
Concen: 55.292 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:149 Resp: 686641

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.3	3.3	4.9



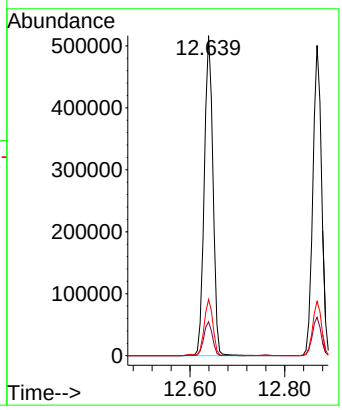


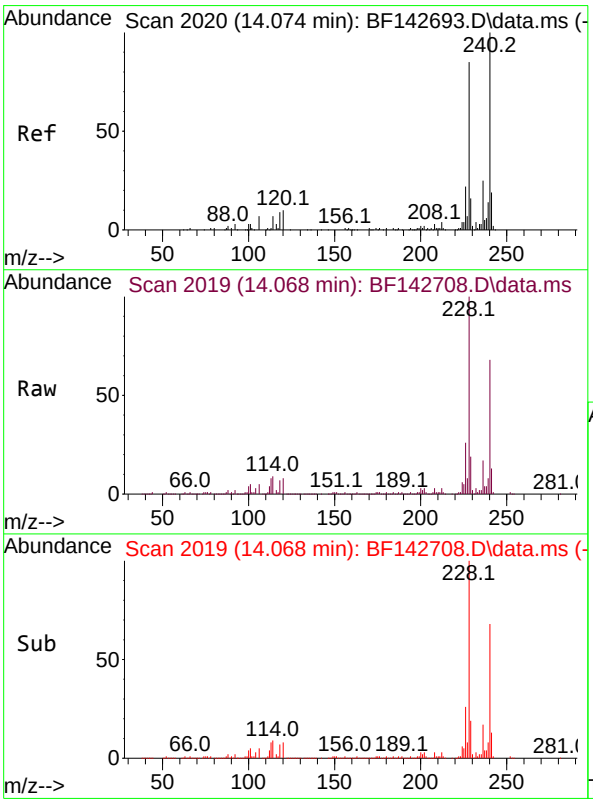
#75
Fluoranthene
Concen: 52.195 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:202 Resp: 654629

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.2
203	17.6	0.0	37.3

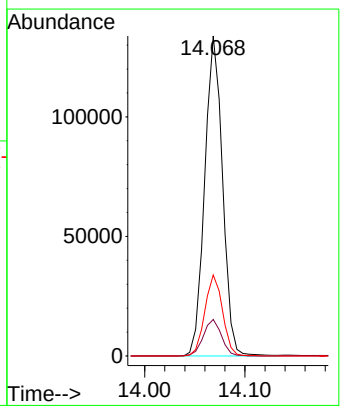


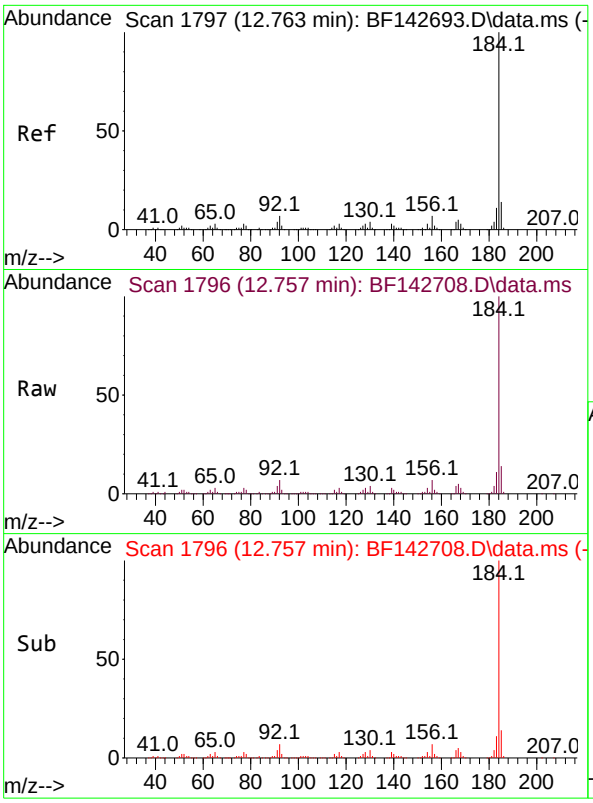


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:240 Resp: 165870

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.4	12.6
236	25.3	20.2	30.2



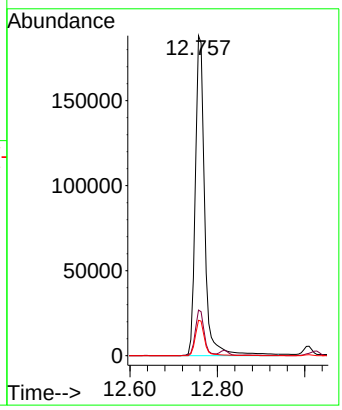


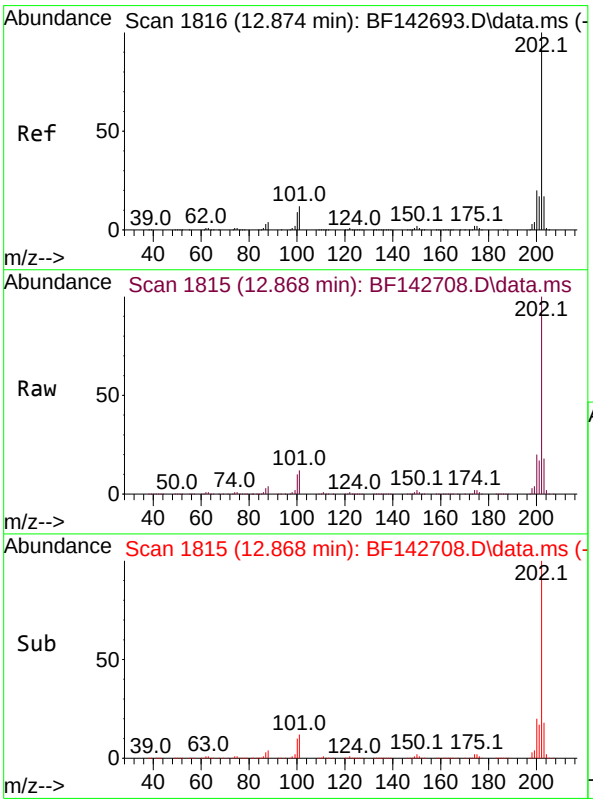
#77
Benzidine
Concen: 49.359 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:184 Resp: 282563

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.0	8.9	13.3

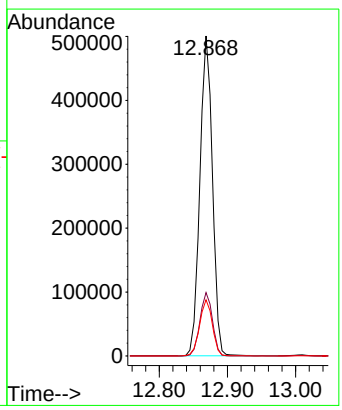


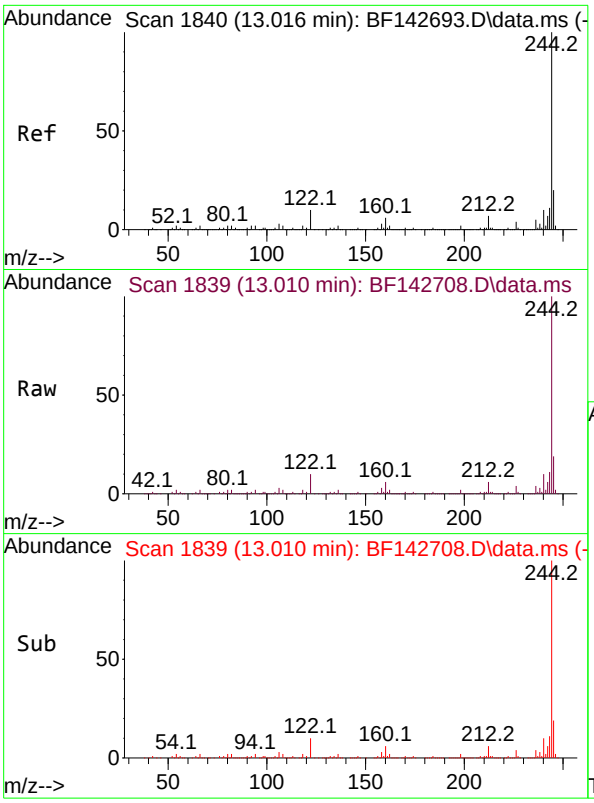


#78
Pyrene
Concen: 47.407 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:202 Resp: 640734

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.1	24.1
203	17.5	13.9	20.9



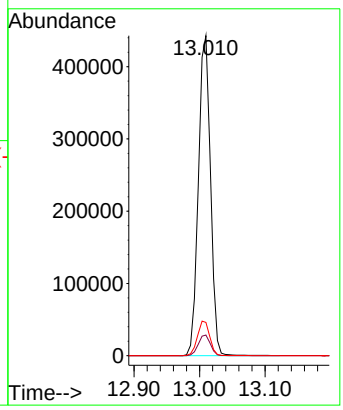


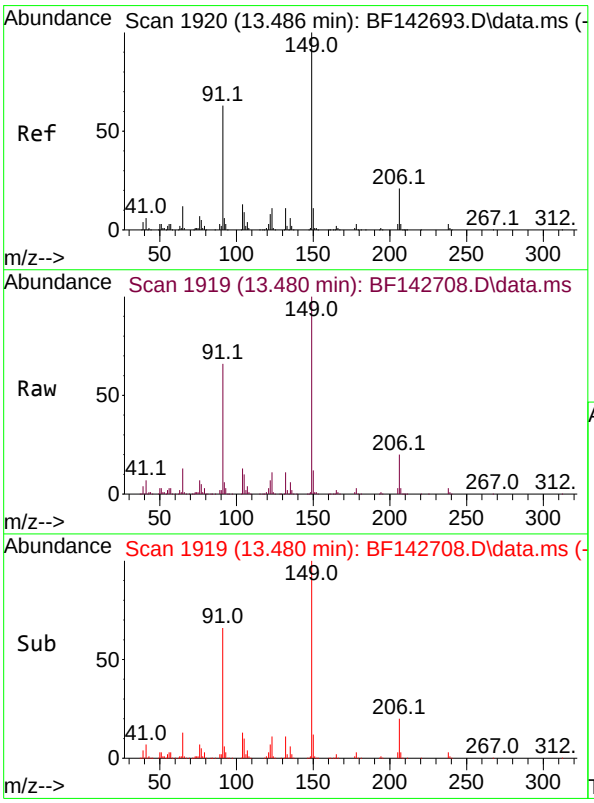
#79
Terphenyl-d14
Concen: 54.300 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:244 Resp: 569500

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	10.4	8.2	12.2

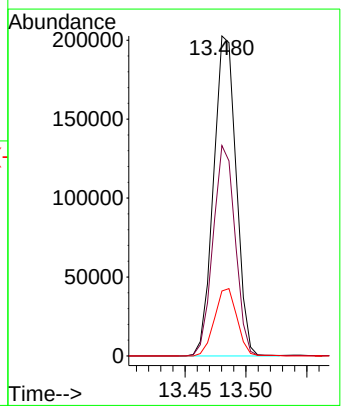


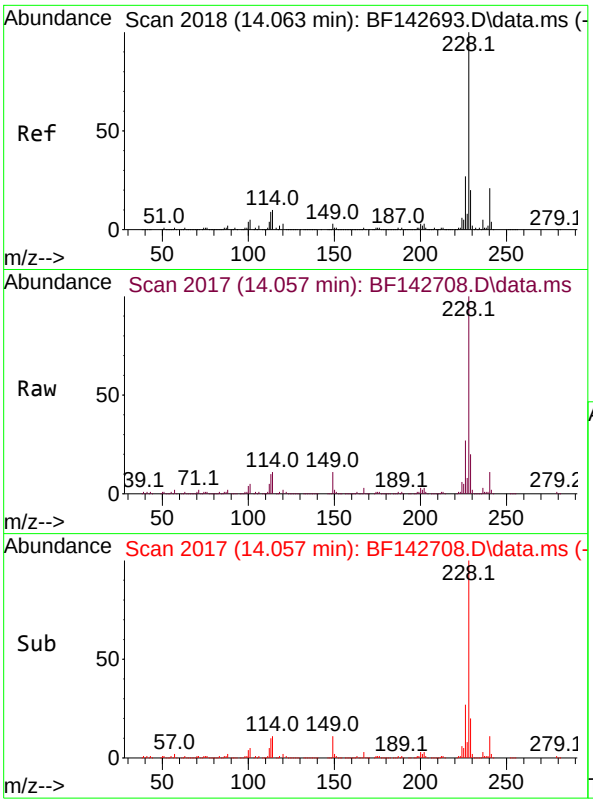


#80
Butylbenzylphthalate
Concen: 62.988 ng
RT: 13.480 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:149 Resp: 262174

Ion	Ratio	Lower	Upper
149	100		
91	65.8	50.5	75.7
206	20.3	16.9	25.3



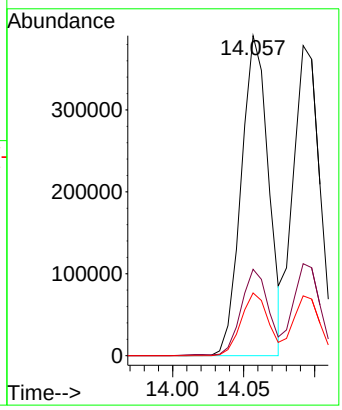


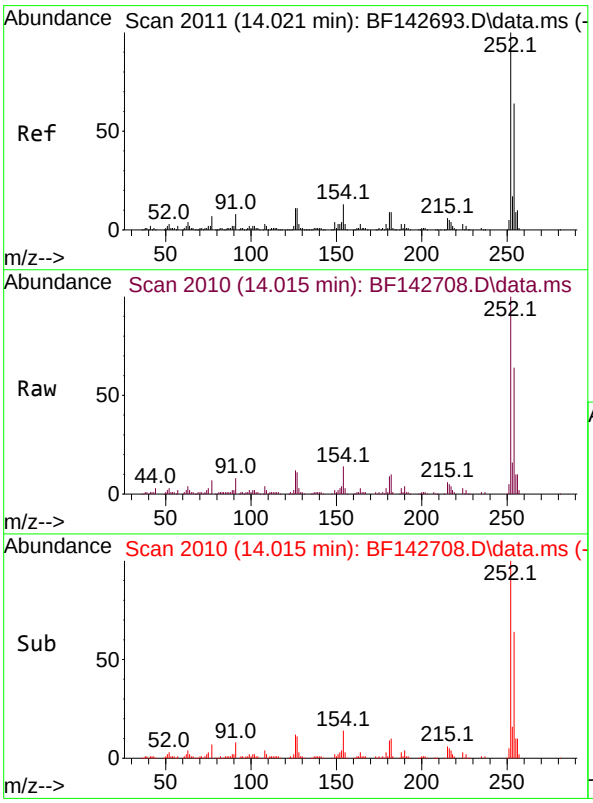
#81
Benzo(a)anthracene
Concen: 48.363 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:228 Resp: 520620

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.6	15.8	23.6

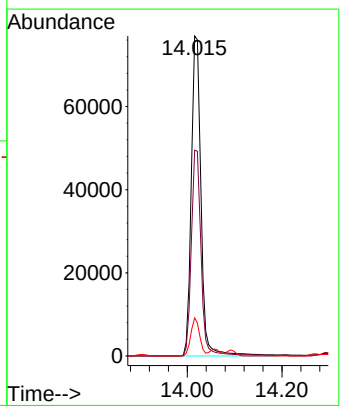


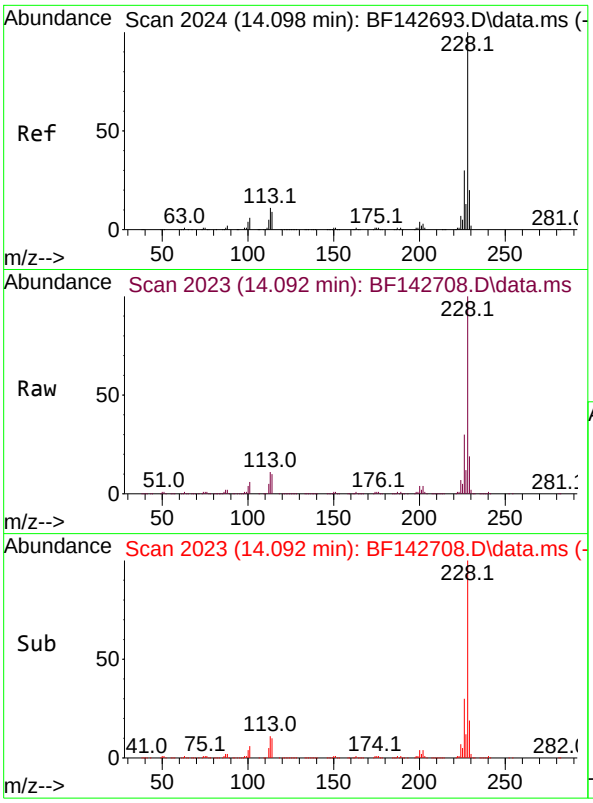


#82
3,3'-Dichlorobenzidine
Concen: 31.986 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:252 Resp: 110065

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	11.9	9.1	13.7



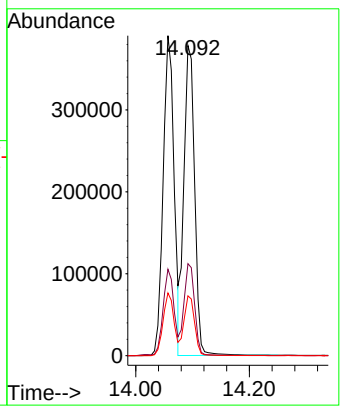


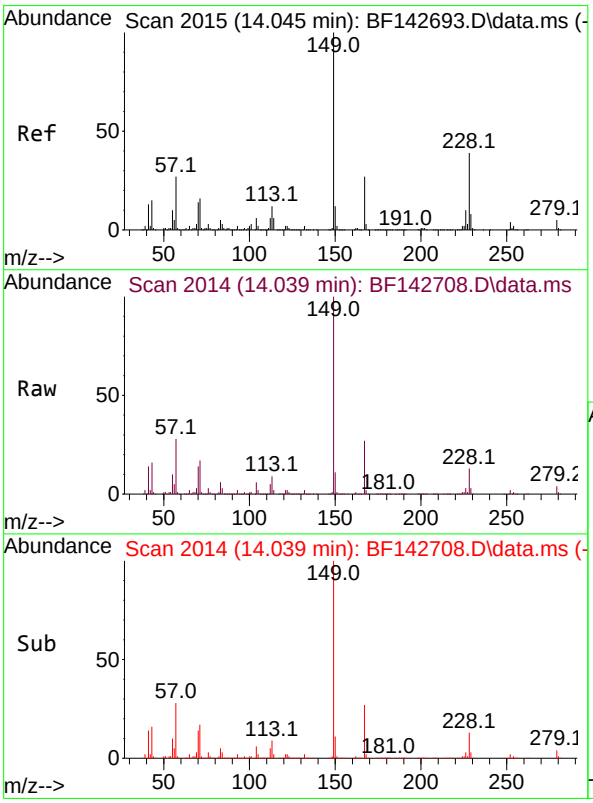
#83
Chrysene
Concen: 48.745 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:228 Resp: 497015

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	19.3	15.8	23.6

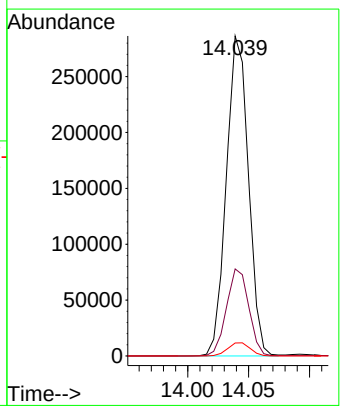


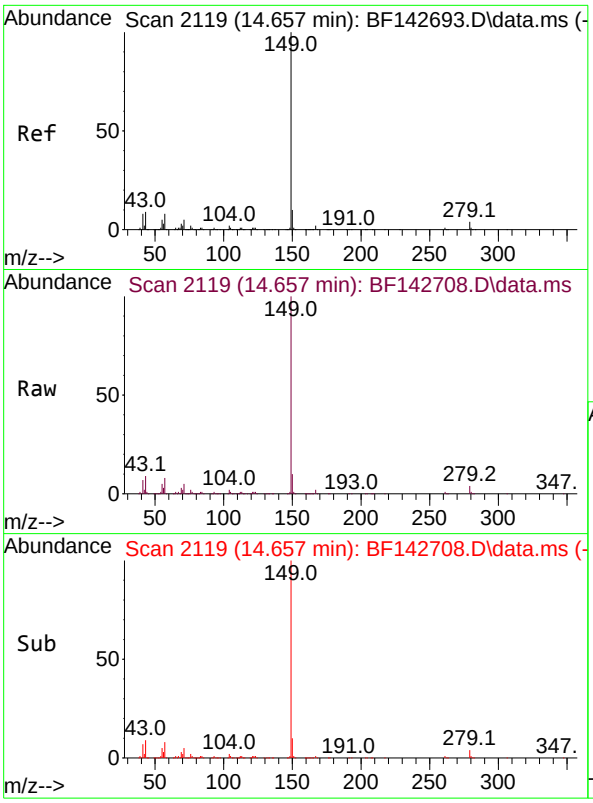


#84
Bis(2-ethylhexyl)phthalate
Concen: 76.283 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:149 Resp: 362506

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.9	32.9
279	4.0	3.6	5.4



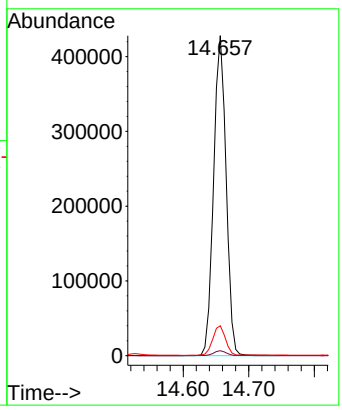


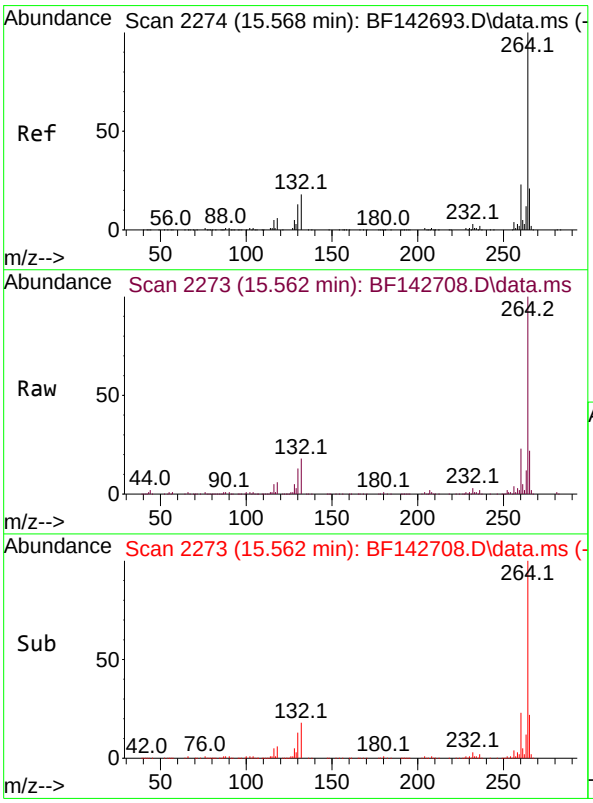
#85
Di-n-octyl phthalate
Concen: 61.186 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:149 Resp: 565508

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.5	11.3

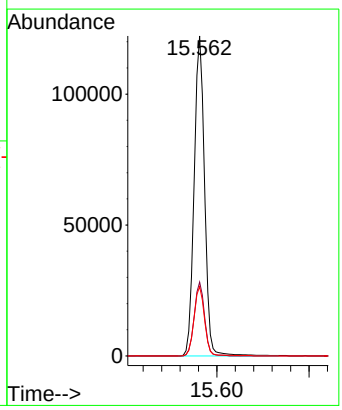


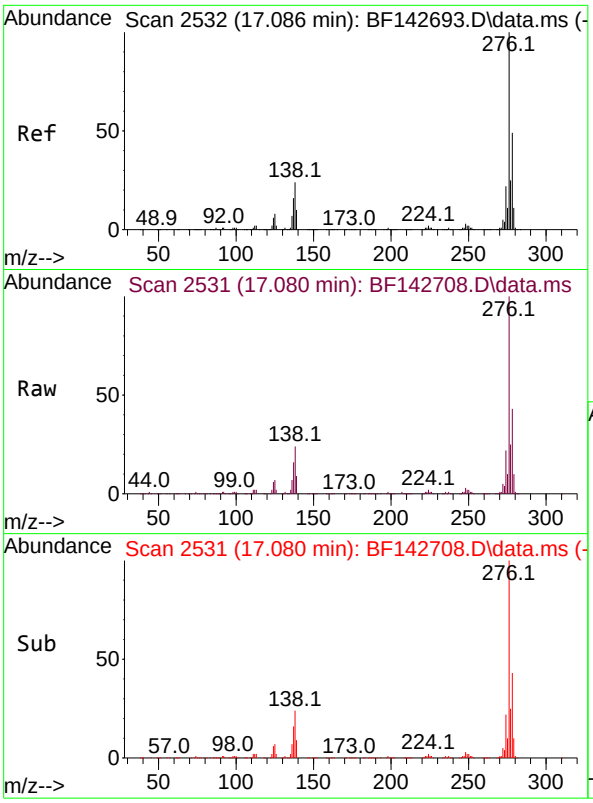


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:264 Resp: 192181

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.7	17.0	25.4



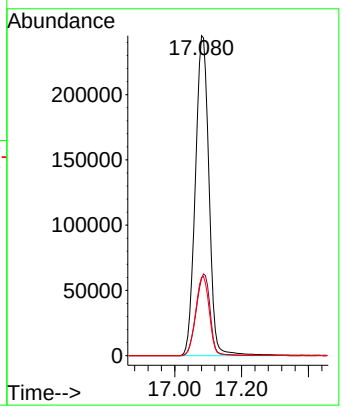


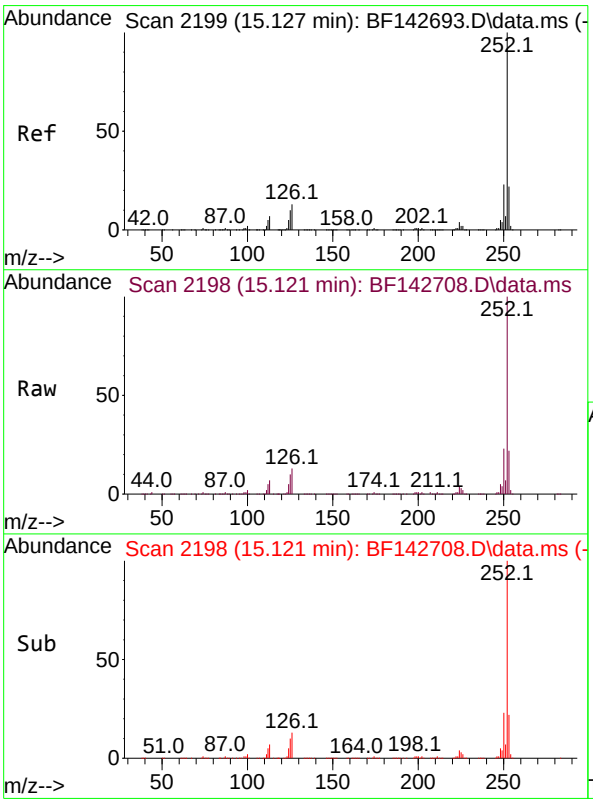
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.008 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:276 Resp: 693415

Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.8	31.2
277	24.9	20.2	30.2

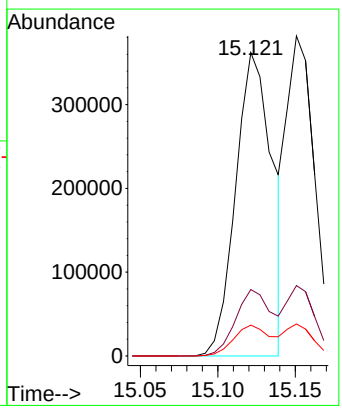


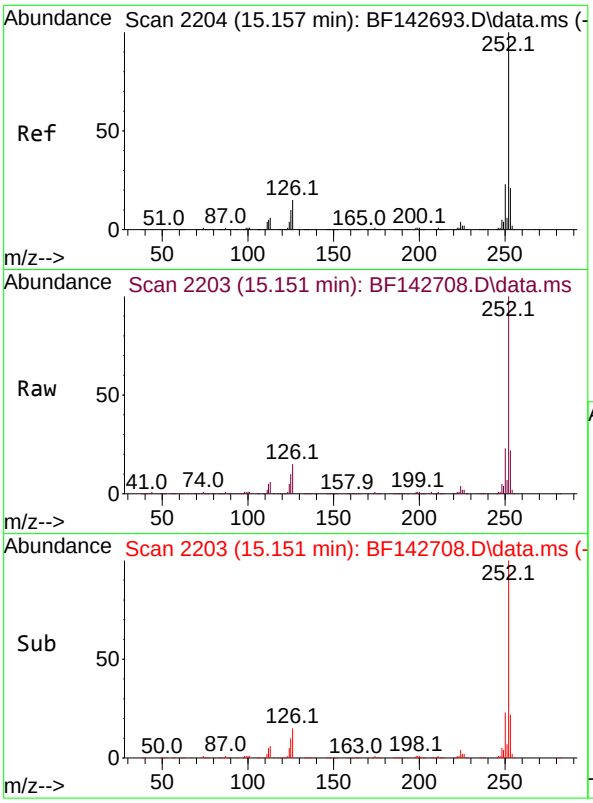


#88
Benzo(b)fluoranthene
Concen: 51.784 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:252 Resp: 594564

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.2	7.8	11.8



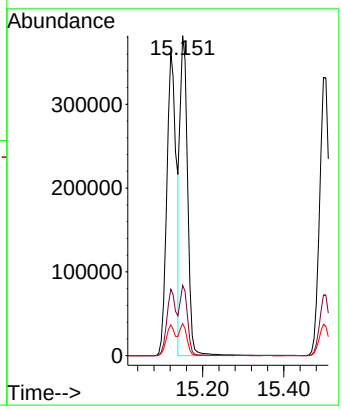


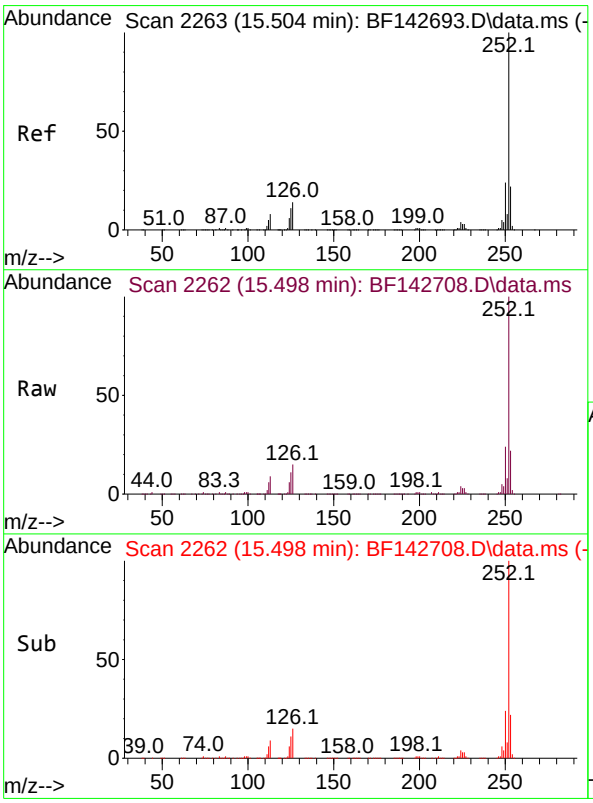
#89
Benzo(k)fluoranthene
Concen: 45.591 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:252 Resp: 492587

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.0	7.7	11.5

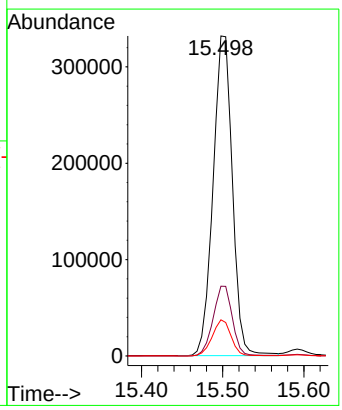


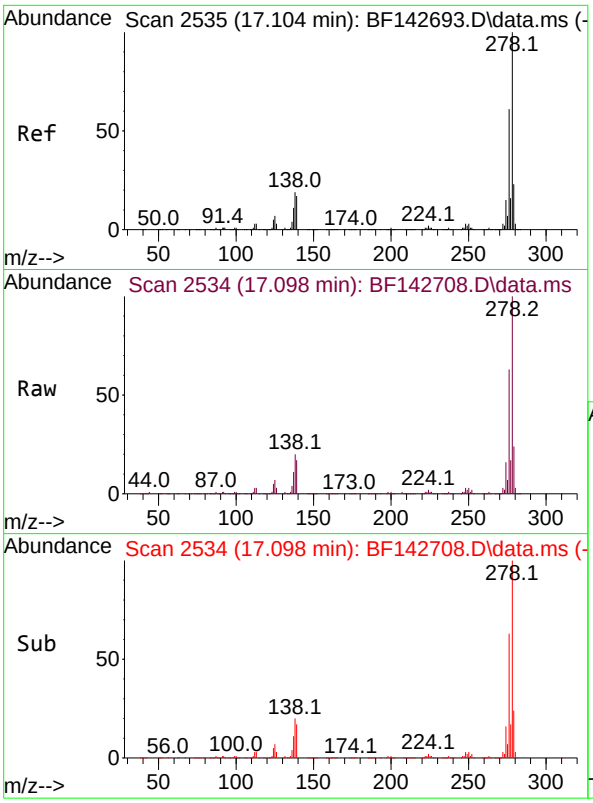


#90
Benzo(a)pyrene
Concen: 51.111 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.012 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:252 Resp: 549915

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	11.3	8.8	13.2



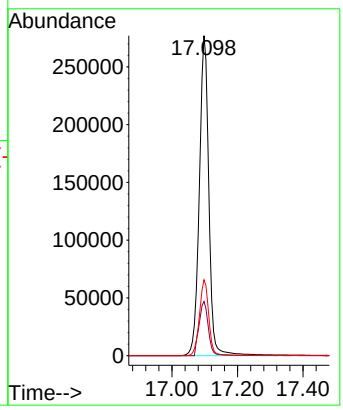


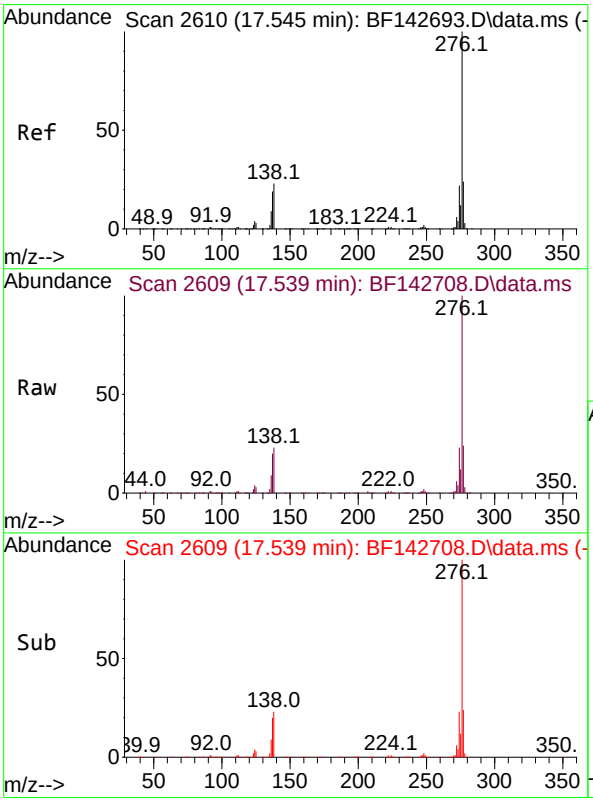
#91
Dibenzo(a,h)anthracene
Concen: 51.306 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Tgt Ion:278 Resp: 561456

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.4	20.0
279	23.7	18.7	28.1

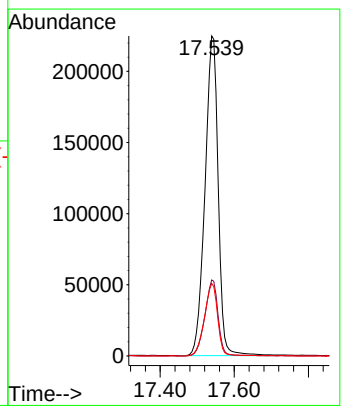




#92
Benzo(g,h,i)perylene
Concen: 49.001 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF142708.D
Acq: 10 Jun 2025 13:10

Tgt Ion:276 Resp: 555277

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.7	18.2	27.2



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

Manual Integration Report

Sequence:	bf060925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC020	BF142692.D	Benzoic acid	Rahul	6/10/2025 11:46:07 AM	Jagrut	6/10/2025 1:35:32 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF061025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168351BS	BF142703.D	Caprolactam	Rahul	6/10/2025 5:10:34 PM	Jagrut	6/11/2025 9:58:32 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF060925

Review By	Rahul	Review On	6/10/2025 11:46:36 AM				
Supervise By	Jagrut	Supervise On	6/10/2025 1:35:46 PM				
SubDirectory	BF060925	HP Acquire Method	BNA_F		HP Processing Method	bf060925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142687.D	09 Jun 2025 09:37	RC/JU	Ok
2	SSTDCCC040	BF142688.D	09 Jun 2025 12:18	RC/JU	Not Ok
3	SSTDICC2.5	BF142689.D	09 Jun 2025 13:09	RC/JU	Ok
4	SSTDICC005	BF142690.D	09 Jun 2025 13:38	RC/JU	Ok
5	SSTDICC010	BF142691.D	09 Jun 2025 14:07	RC/JU	Ok
6	SSTDICC020	BF142692.D	09 Jun 2025 14:36	RC/JU	Ok,M
7	SSTDICCC040	BF142693.D	09 Jun 2025 15:05	RC/JU	Ok
8	SSTDICC050	BF142694.D	09 Jun 2025 15:34	RC/JU	Ok
9	SSTDICC060	BF142695.D	09 Jun 2025 16:03	RC/JU	Ok
10	SSTDICC080	BF142696.D	09 Jun 2025 16:32	RC/JU	Ok
11	SSTDICV040	BF142697.D	09 Jun 2025 17:30	RC/JU	Ok
12	PB168323BL	BF142698.D	09 Jun 2025 18:00	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 # BF061025

Review By	Rahul	Review On	6/11/2025 10:36:46 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 10:36:58 AM		
SubDirectory	BF061025	HP Acquire Method	BNA_F	HP Processing Method	bf060925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142700.D	10 Jun 2025 09:10	RC/JU	Ok
2	SSTDCCC040	BF142701.D	10 Jun 2025 09:39	RC/JU	Ok
3	PB168351BL	BF142702.D	10 Jun 2025 10:08	RC/JU	Ok
4	PB168351BS	BF142703.D	10 Jun 2025 10:37	RC/JU	Ok,M
5	Q2259-01	BF142704.D	10 Jun 2025 11:13	RC/JU	Ok
6	Q2259-03	BF142705.D	10 Jun 2025 11:42	RC/JU	Ok
7	Q2266-05	BF142706.D	10 Jun 2025 12:11	RC/JU	Ok
8	Q2266-05MS	BF142707.D	10 Jun 2025 12:41	RC/JU	Ok
9	Q2266-05MSD	BF142708.D	10 Jun 2025 13:10	RC/JU	Ok
10	SSTDCCC040	BF142709.D	10 Jun 2025 13:44	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 # BF060925

Review By	Rahul	Review On	6/10/2025 11:46:36 AM		
Supervise By	Jagrut	Supervise On	6/10/2025 1:35:46 PM		
SubDirectory	BF060925	HP Acquire Method	BNA_F	HP Processing Method	bf060925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/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	BF142687.D	09 Jun 2025 09:37		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142688.D	09 Jun 2025 12:18	Fresh Calibration Required	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF142689.D	09 Jun 2025 13:09		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF142690.D	09 Jun 2025 13:38		RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF142691.D	09 Jun 2025 14:07		RC/JU	Ok
6	SSTDICC020	SSTDICC020	BF142692.D	09 Jun 2025 14:36		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF142693.D	09 Jun 2025 15:05		RC/JU	Ok
8	SSTDICC050	SSTDICC050	BF142694.D	09 Jun 2025 15:34		RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF142695.D	09 Jun 2025 16:03		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF142696.D	09 Jun 2025 16:32		RC/JU	Ok
11	SSTDICV040	ICVBF060925	BF142697.D	09 Jun 2025 17:30		RC/JU	Ok
12	PB168323BL	PB168323BL	BF142698.D	09 Jun 2025 18:00		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 # BF061025

Review By	Rahul	Review On	6/11/2025 10:36:46 AM		
Supervise By	Jagrut	Supervise On	6/11/2025 10:36:58 AM		
SubDirectory	BF061025	HP Acquire Method	BNA_F	HP Processing Method	bf060925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/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	BF142700.D	10 Jun 2025 09:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142701.D	10 Jun 2025 09:39		RC/JU	Ok
3	PB168351BL	PB168351BL	BF142702.D	10 Jun 2025 10:08		RC/JU	Ok
4	PB168351BS	PB168351BS	BF142703.D	10 Jun 2025 10:37		RC/JU	Ok,M
5	Q2259-01	OU4-PCS-TC-36-06052	BF142704.D	10 Jun 2025 11:13		RC/JU	Ok
6	Q2259-03	OU4-PCS-TC-37-06052	BF142705.D	10 Jun 2025 11:42		RC/JU	Ok
7	Q2266-05	WC-5	BF142706.D	10 Jun 2025 12:11		RC/JU	Ok
8	Q2266-05MS	WC-5MS	BF142707.D	10 Jun 2025 12:41		RC/JU	Ok
9	Q2266-05MSD	WC-5MSD	BF142708.D	10 Jun 2025 13:10		RC/JU	Ok
10	SSTDCCC040	SSTDCCC040EC	BF142709.D	10 Jun 2025 13:44		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2246-01	BU-03-060525	1	1.15	10.12	11.27	11.17	99.0	
Q2246-02	BU-03-060525	2	1.19	10.04	11.23	11.1	98.7	
Q2247-01	GAS-PIPE-1	3	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2247-02	GAS-PIPE-2	4	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2248-01	TR-05-060525	5	1.18	10.36	11.54	10.88	93.6	
Q2248-02	TR-05-060525-E2	6	1.13	10.59	11.72	10.74	90.7	
Q2251-07	BP-VPB-182-GW-780-782	7	1.12	10.70	11.82	2.46	12.5	sludge sample
Q2258-05	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q2258-06	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2258-07	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q2258-08	PCB-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2258-09	PCB-GPC-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q2258-10	SVOC-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2258-11	PEST-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2258-12	PEST-GPC2-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2258-13	PCB-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2258-14	PCB-GCP2-BLANK-SPIKE	17	1.00	1.00	2.00	2.00	100.0	
Q2259-01	OU4-PCS-TC-36-060525	18	1.14	10.79	11.93	11.31	94.3	
Q2259-03	OU4-PCS-TC-37-060525	19	1.14	10.14	11.28	10.7	94.3	
Q2259-05	OU4-TS-29-060525	20	1.18	10.17	11.35	8.87	75.6	
Q2259-06	OU4-TS-30-060525	21	1.14	10.73	11.87	9.62	79.0	
Q2260-01	TP10-MHG-WC	22	1.13	10.84	11.97	10.95	90.6	
Q2260-02	TP10-MHG-VOC	23	1.16	10.66	11.82	10.84	90.8	
Q2260-03	TP10-MHG-EPH	24	1.13	10.75	11.88	10.68	88.8	
Q2262-01	ARS20-0032	25	1.14	11.40	12.54	12.22	97.2	
Q2262-03	ARS20-0001	26	1.18	9.85	11.03	10.38	93.4	
Q2265-01	TP-MHL-WC	27	1.15	10.83	11.98	10.43	85.7	
Q2265-02	TP-MHL-VOC	28	1.14	10.32	11.46	9.7	82.9	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/9/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:25
In Date: 06/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 06/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136040

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2265-03	TP-MHL-EPH	29	1.18	10.48	11.66	9.77	82.0	
Q2266-01	WC-3	30	1.16	10.74	11.9	10.68	88.6	
Q2266-02	WC-3-EPH	31	1.15	11.18	12.33	10.15	80.5	
Q2266-03	WC-3-VOC	32	1.13	10.74	11.87	10.02	82.8	
Q2266-05	WC-4	33	1.19	10.47	11.66	10.36	87.6	
Q2266-06	WC-4-EPH	34	1.15	10.46	11.61	10.31	87.6	
Q2266-07	WC-4-VOC	35	1.19	10.71	11.9	10.74	89.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VP 136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2246-02	BU-03-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2247-01	GAS-PIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2247-02	GAS-PIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	06/05/2025	Chemtech -SO
Q2248-01	TR-05-060525	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2248-02	TR-05-060525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/05/2025	Chemtech -SO
Q2251-07	BP-VPB-182-GW-780-782	Solid	Percent Solids	Cool 4 deg C	TETR06	L31	06/04/2025	Chemtech -SO
Q2258-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2258-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	05/30/2025	Chemtech -SO
Q2259-01	OU4-PCS-TC-36-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-03	OU4-PCS-TC-37-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-05	OU4-TS-29-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO
Q2259-06	OU4-TS-30-060525	Solid	Percent Solids	Cool 4 deg C	NOBI03	D21	06/05/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SH

Date/Time 06/06/25 17:30

Raw Sample Received by: [signature] SH

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB136040

WorkList Name : %1-060625 **WorkList ID :** 189986 **Department :** Wet-Chemistry **Date :** 06-06-2025 08:11:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2260-01	TP10-MHG-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-02	TP10-MHG-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2260-03	TP10-MHG-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	06/06/2025	Chemtech -SO
Q2262-01	ARS20-0032	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2262-03	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	06/06/2025	Chemtech -SO
Q2265-01	TP-MHL-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-02	TP-MHL-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2265-03	TP-MHL-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-01	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-02	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-03	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-05	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-06	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO
Q2266-07	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/06/2025	Chemtech -SO

Date/Time 06/06/25 15:20

Raw Sample Received by: JB WC

Raw Sample Relinquished by: SM

Date/Time 06/06/25 17:30

Raw Sample Received by: SM

Raw Sample Relinquished by: JB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168351

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/09/2025
Matrix :	Solid			**Extraction Start Time :**	09:40
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/09/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
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
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2620
Sand	N/A	E2865
Methylene Chloride	N/A	E3939
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/09/25	RP (Ext Lab	RC/SVOC
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168351

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168351BL	SBLK351	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U6-1
PB168351BS	SLCS351	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q2246-01	BU-03-060525	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q2248-01	TR-05-060525	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		4
Q2259-01	OU4-PCS-TC-36-060525	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	E		5
Q2259-03	OU4-PCS-TC-37-060525	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		6
Q2260-01	TP10-MHG-WC	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		U2-1
Q2265-01	TP-MHL-WC	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		2
Q2266-01	WC-3	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	D		3
Q2266-05	WC-4	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		4
Q2266-05MS	WC-4MS	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		5
Q2266-05MS D	WC-4MSD	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		6

* **Extracts relinquished on the same date as received.**

6/19/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2266 **WorkList ID :** 190037 **Department :** Extraction **Date :** 06-09-2025 08:59:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2246-01	BU-03-060525	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N51	06/05/2025	8270E
Q2248-01	TR-05-060525	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D11	06/05/2025	8270E
Q2259-01	OU4-PCS-TC-36-060525	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	D21	06/05/2025	8270E
Q2259-03	OU4-PCS-TC-37-060525	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	D21	06/05/2025	8270E
Q2260-01	TP10-MHG-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	06/06/2025	8270E
Q2265-01	TP-MHL-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	06/06/2025	8270E
Q2266-01	WC-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	06/06/2025	8270E
Q2266-05	WC-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	06/06/2025	8270E

Date/Time 06/09/25 9:35
Raw Sample Received by: RJ (Ext 1467)
Raw Sample Relinquished by:

Date/Time 06/09/25 10:05
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext 1467)

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Prep Standard - Chemical Standard Summary

Order ID : Q2259

Test : SVOCMS Group3

Prepbatch ID : PB168351,

Sequence ID/Qc Batch ID: Bf061025,

Standard ID :
EP2612,EP2620,SP6754,SP6757,SP6769,SP6770,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,SP6794,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3902,E3904,E3926,E3930,E3932,E3937,E3939,S10104,S10584,S11162,S11487,S11496,S11650,S11788,S11800,S11806,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12486,S12487,S12497,S12534,S12543,S12544,S12577,S12658,S12662,S12667,S12793,S12974,S12984,S12985,S13078,S13148,S13158,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2612	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 8000.00000ml of E3930 + 8000.00000ml of E3932 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

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
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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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	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = 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	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = 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	SP6785	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = 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	SP6786	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = 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	SP6787	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = 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	SP6788	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = 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
407	5 ng BNA ICC, 5 PPM	SP6789	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6790	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = 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	SP6791	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = 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	SP6794	06/04/2025	06/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 06/05/2025

FROM 0.10000ml of S10584 + 0.10000ml of S11487 + 0.10000ml of S11650 + 0.10000ml of S13148 + 0.10000ml of S13158 + 0.45000ml of S11806 + 0.80000ml of S11800 + 1.20000ml of S12487 + 1.20000ml of S12544 + 1.20000ml of S12985 + 1.30000ml of S12497 + 1.30000ml of S12543 + 1.30000ml of S12984 + 40.75000ml of E3937 = Final Quantity: 50.000 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 #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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 / RUPESH	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	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-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	05/05/2025 / Jagrut	03/06/2023 / Christian	S11162

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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	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	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	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	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

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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-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	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

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

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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	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	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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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 #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12497

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12543

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12544

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

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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 #
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	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 #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/28/2025	05/28/2025 / Rahul	09/20/2024 / anahy	S12667

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	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12984

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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 #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12985

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

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 **Page 1 of 1**

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
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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 S 10583 to S 10592

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.

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

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

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 RB on 7/24/23 E3551

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Page 1 of 1

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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J Croak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
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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. : 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.

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(707)545-7901 Fax

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-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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

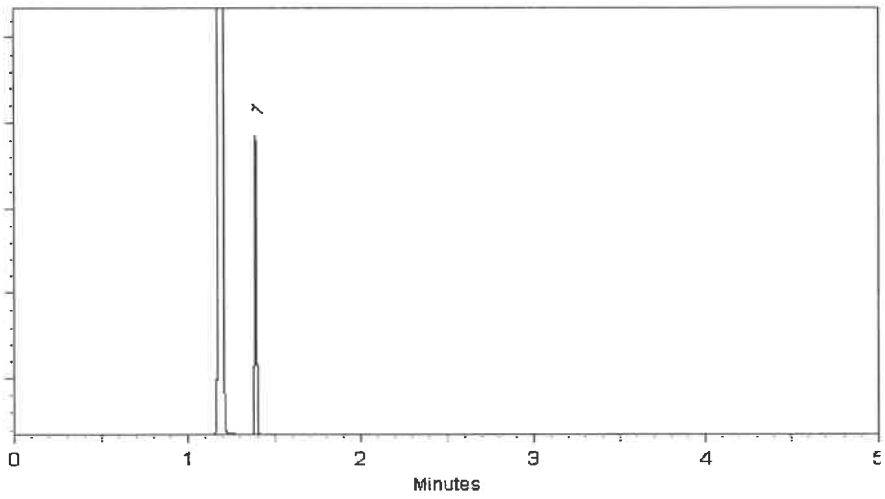
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

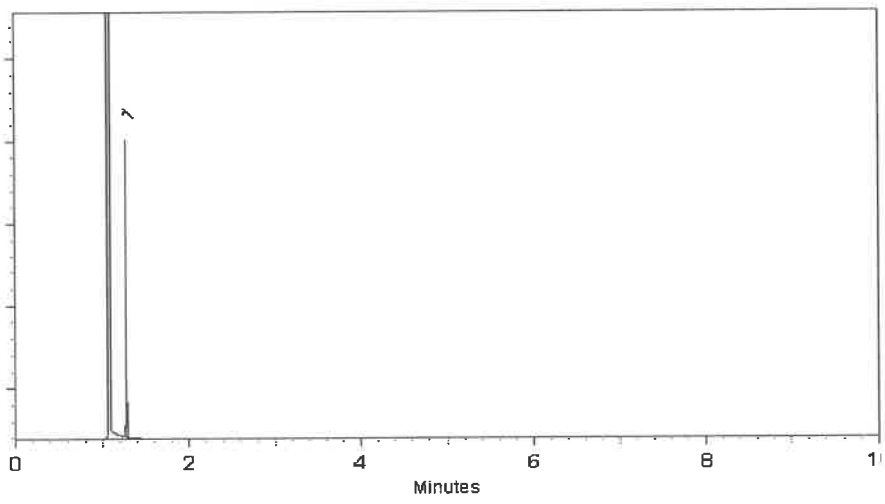
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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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CERTIFIED REFERENCE MATERIAL

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. : 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.)

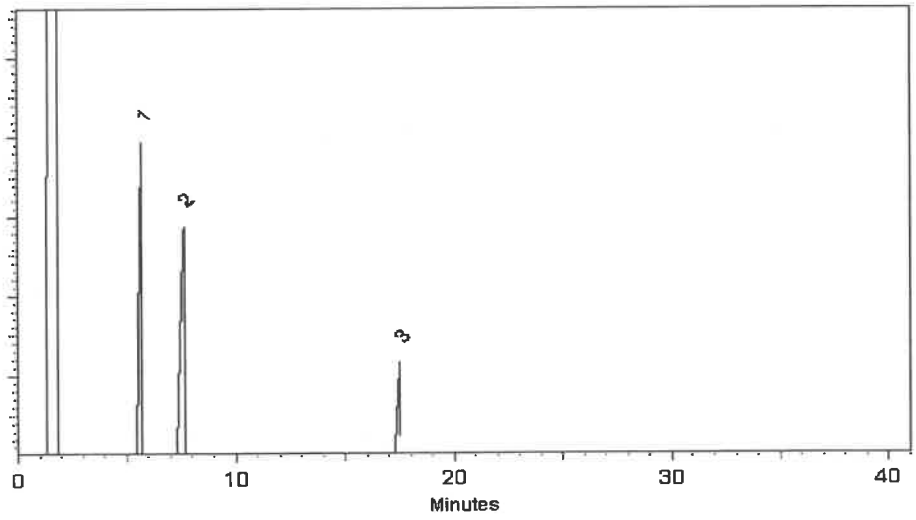
Inj. Temp:
250°C

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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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

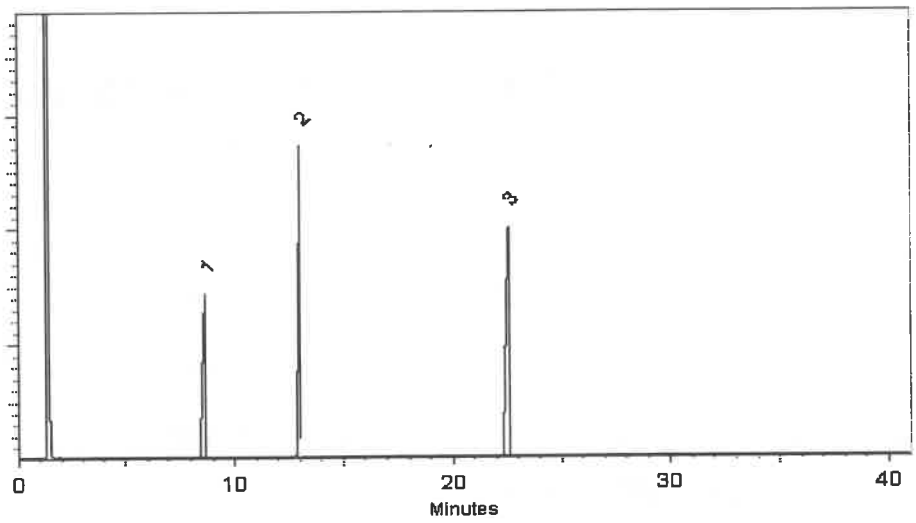
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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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Certificate of Analysis

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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 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.)

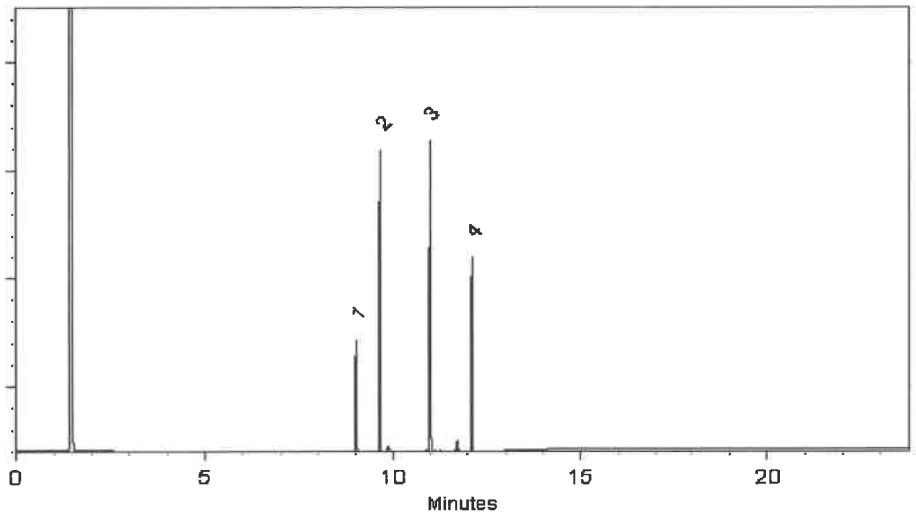
Inj. Temp:
250°C

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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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.

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 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

513078 ↓ 513087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q2259

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-36-060525	6/5/25	11:25	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-37-060525	6/5/25	11:35	G	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-TS-29-060525	6/5/25	13:30	G	SO			1											X		
	OU4-TS-30-060525	6/5/25	13:35	G	SO			1											X		

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 6/5/25 13:45	Client Comments:
Received by: (signature) Cooler	Date/Time: 6/5/25 13:45	
Relinquished by: (signature) FedEx	Date/Time: 6/6/25 1004	
Received by: (signature)	Date/Time: 6/6/25 1004	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 3.4°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2259 NOBI03	**Order Date :**	6/6/2025 10:57:00 AM	**Project Mgr :**	
Client Name :	Nobis Group	**Project Name :**	Raymark Superfund Site	**Report Type :**	Level 4
Client Contact :	Adam Roy	**Receive DateTime :**	6/6/2025 10:04:00 AM	**EDD Type :**	EQUIS
Invoice Name :	Nobis Group	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Adam Roy			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2259-01	OU4-PCS-TC-36-060525	Solid	06/05/2025	11:25					
					VOCMS Group3		8260D	10 Bus. Days	
Q2259-03	OU4-PCS-TC-37-060525	Solid	06/05/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	

Relinguished By : [signature]
Date / Time : 6/6/25 1136

Received By : [signature]
Date / Time : 06/06/25 11:36
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142692.D
Acq On : 09 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 09 17:24:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	97257	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	377794	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	212806	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	371414	20.000	ng		0.00
76) Chrysene-d12	14.069	240	259086	20.000	ng		0.00
86) Perylene-d12	15.568	264	213990	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	253706	44.293	ng		0.00
7) Phenol-d6	6.516	99	263788	39.271	ng		0.00
23) Nitrobenzene-d5	7.457	82	277271	40.334	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	85421	35.728	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	649459	41.737	ng		0.00
79) Terphenyl-d14	13.010	244	667945	40.773	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	44067	20.091	ng		99
3) Pyridine	3.452	79	118578	20.961	ng		100
4) n-Nitrosodimethylamine	3.387	42	56393	20.482	ng		99
6) Aniline	6.551	93	176517	19.573	ng		99
8) 2-Chlorophenol	6.675	128	123266	19.725	ng		98
9) Benzaldehyde	6.445	77	87375	23.074	ng		100
10) Phenol	6.534	94	148211	19.704	ng		95
11) bis(2-Chloroethyl)ether	6.628	93	105741	19.296	ng		98
12) 1,3-Dichlorobenzene	6.834	146	141389	20.202	ng		100
13) 1,4-Dichlorobenzene	6.910	146	146858	20.522	ng		98
14) 1,2-Dichlorobenzene	7.063	146	146565	21.481	ng		98
15) Benzyl Alcohol	7.034	79	102221	20.804	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	196048	21.971	ng		99
17) 2-Methylphenol	7.145	107	103484	21.595	ng		98
18) Hexachloroethane	7.410	117	51005	20.747	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	89745	22.792	ng		98
20) 3+4-Methylphenols	7.298	107	132491	22.450	ng	#	87
22) Acetophenone	7.298	105	177845	21.535	ng		99
24) Nitrobenzene	7.475	77	125527	20.247	ng		98
25) Isophorone	7.716	82	208716	18.714	ng		99
26) 2-Nitrophenol	7.792	139	64761	18.937	ng		99
27) 2,4-Dimethylphenol	7.828	122	111560	19.195	ng		97
28) bis(2-Chloroethoxy)met...	7.922	93	130451	18.649	ng		99
29) 2,4-Dichlorophenol	8.034	162	106135	19.933	ng		99
30) 1,2,4-Trichlorobenzene	8.122	180	118388	20.384	ng		99
31) Naphthalene	8.204	128	380874	20.459	ng		100
32) Benzoic acid	7.916	122	57119	16.189	ng		97
33) 4-Chloroaniline	8.251	127	156125	20.399	ng		99
34) Hexachlorobutadiene	8.316	225	73933	20.669	ng		99
35) Caprolactam	8.598	113	32693	19.991	ng		98
36) 4-Chloro-3-methylphenol	8.728	107	110605	20.139	ng		96
37) 2-Methylnaphthalene	8.892	142	249705	21.317	ng		99
38) 1-Methylnaphthalene	8.992	142	244862	20.186	ng		99
40) 1,2,4,5-Tetrachloroben...	9.057	216	120558	19.603	ng		99
41) Hexachlorocyclopentadiene	9.045	237	63688	17.635	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	78817	19.532	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142692.D
Acq On : 09 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 09 17:24:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	87384	20.274	ng	97
46) 1,1'-Biphenyl	9.357	154	331680	20.044	ng	99
47) 2-Chloronaphthalene	9.381	162	244779	19.742	ng	99
48) 2-Nitroaniline	9.475	65	73463	19.911	ng	96
49) Acenaphthylene	9.798	152	433080	21.075	ng	99
50) Dimethylphthalate	9.651	163	280352	19.581	ng	100
51) 2,6-Dinitrotoluene	9.716	165	61708	19.923	ng	99
52) Acenaphthene	9.969	154	237722	18.911	ng	100
53) 3-Nitroaniline	9.886	138	71082	20.425	ng	100
54) 2,4-Dinitrophenol	9.992	184	27973	16.313	ng	92
55) Dibenzofuran	10.139	168	331063	18.358	ng	100
56) 4-Nitrophenol	10.045	139	40491	16.927	ng	97
57) 2,4-Dinitrotoluene	10.122	165	75034	18.073	ng	100
58) Fluorene	10.486	166	259108	17.976	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	63281	17.448	ng	96
60) Diethylphthalate	10.351	149	243045	17.485	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	123423	18.110	ng	98
62) 4-Nitroaniline	10.492	138	56537	17.125	ng	96
63) Azobenzene	10.633	77	222084	17.836	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	38913	16.427	ng	93
66) n-Nitrosodiphenylamine	10.592	169	220938	18.424	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	79084	19.264	ng	98
68) Hexachlorobenzene	11.033	284	92210	19.548	ng	99
69) Atrazine	11.116	200	70625	19.420	ng	99
70) Pentachlorophenol	11.228	266	49559	19.104	ng	99
71) Phenanthrene	11.451	178	415156	20.909	ng	99
72) Anthracene	11.504	178	425173	20.634	ng	100
73) Carbazole	11.657	167	363297	19.580	ng	99
74) Di-n-butylphthalate	11.980	149	419608	21.302	ng	100
75) Fluoranthene	12.639	202	387964	19.501	ng	100
77) Benzidine	12.763	184	184649	20.650	ng	99
78) Pyrene	12.869	202	411487	19.491	ng	100
80) Butylbenzylphthalate	13.486	149	132895	20.441	ng	98
81) Benzo(a)anthracene	14.057	228	351303	20.893	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	105486	19.626	ng	98
83) Chrysene	14.098	228	309949	19.461	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	138732	18.690	ng	99
85) Di-n-octyl phthalate	14.657	149	246651	17.085	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	305204	20.163	ng	99
88) Benzo(b)fluoranthene	15.121	252	273218	21.371	ng	99
89) Benzo(k)fluoranthene	15.151	252	233601	19.417	ng	99
90) Benzo(a)pyrene	15.498	252	239654	20.004	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	248970	20.432	ng	99
92) Benzo(g,h,i)perylene	17.533	276	245955	19.493	ng	99

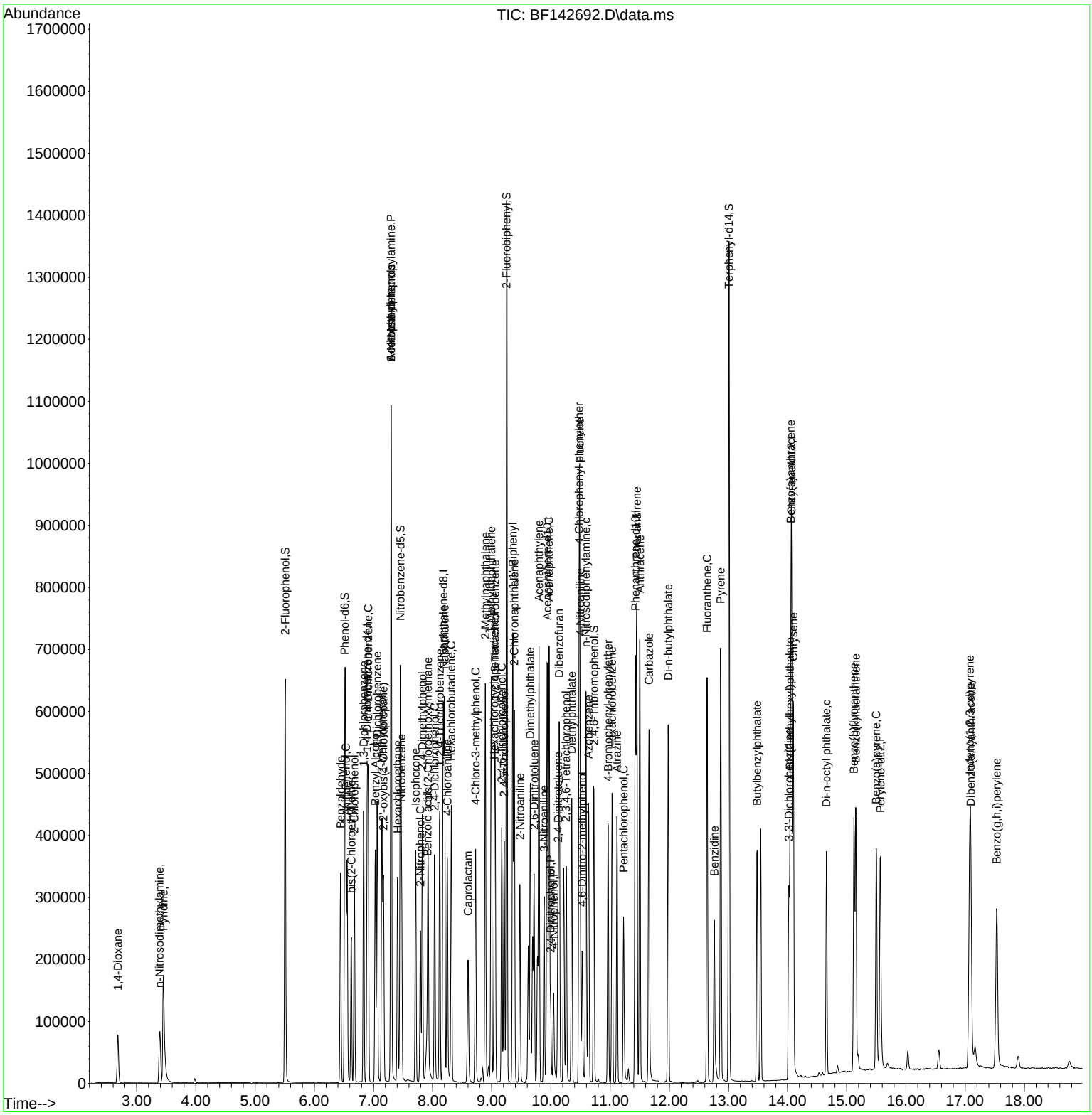
(#) = qualifier out of range (m) = manual integration (+) = signals summed

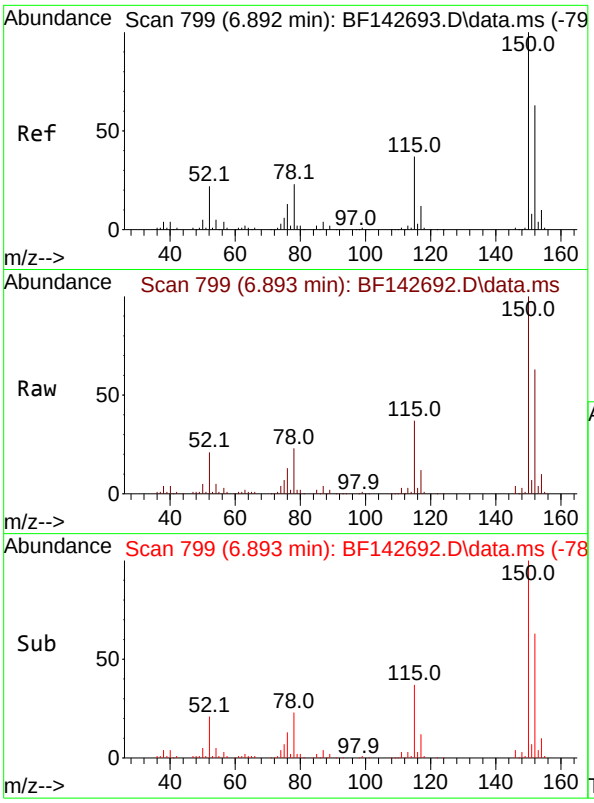
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060925\
Data File : BF142692.D
Acq On : 09 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 09 17:24:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 17:10:06 2025
Response via : Initial Calibration



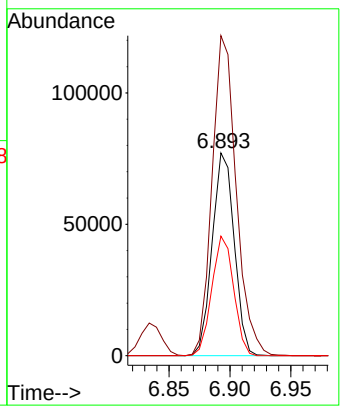


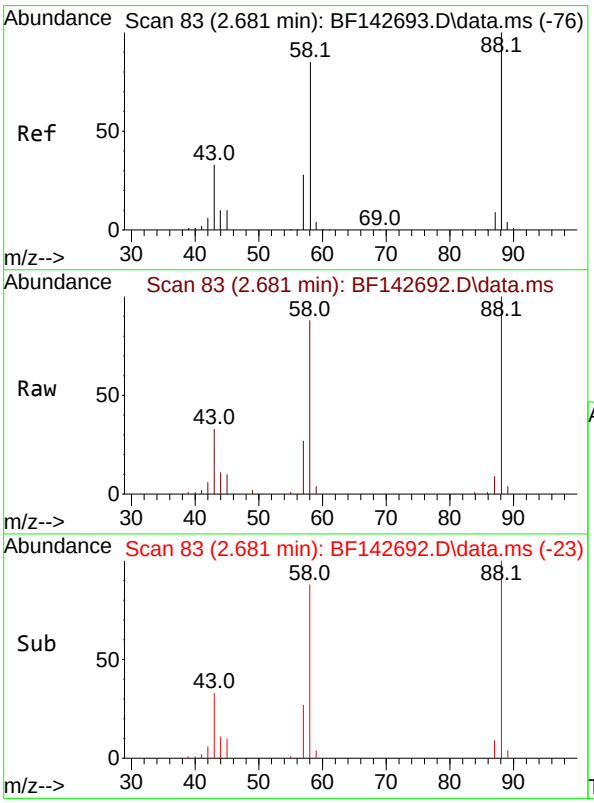
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 7
Delta R.T. 0.001 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 97257

Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.8	190.2
115	59.0	46.8	70.2

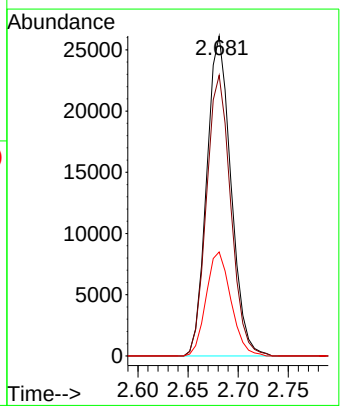


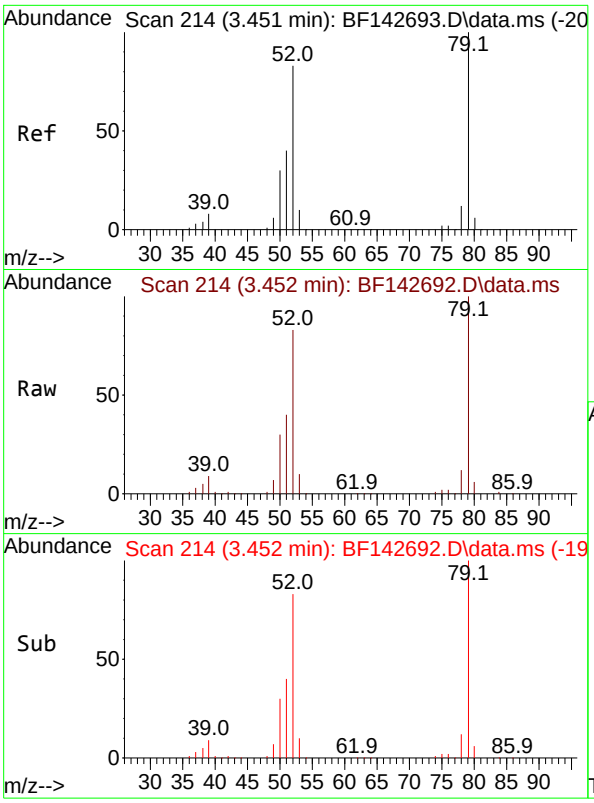


#2
1,4-Dioxane
Concen: 20.091 ng
RT: 2.681 min Scan# 83
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 88 Resp: 44067

Ion	Ratio	Lower	Upper
88	100		
58	87.6	69.2	103.8
43	33.2	26.3	39.5



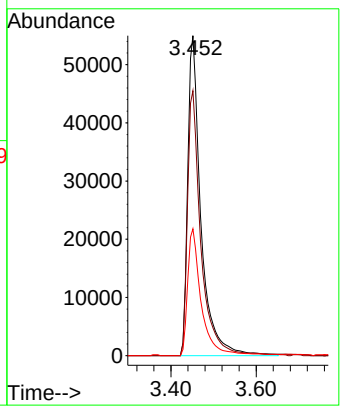


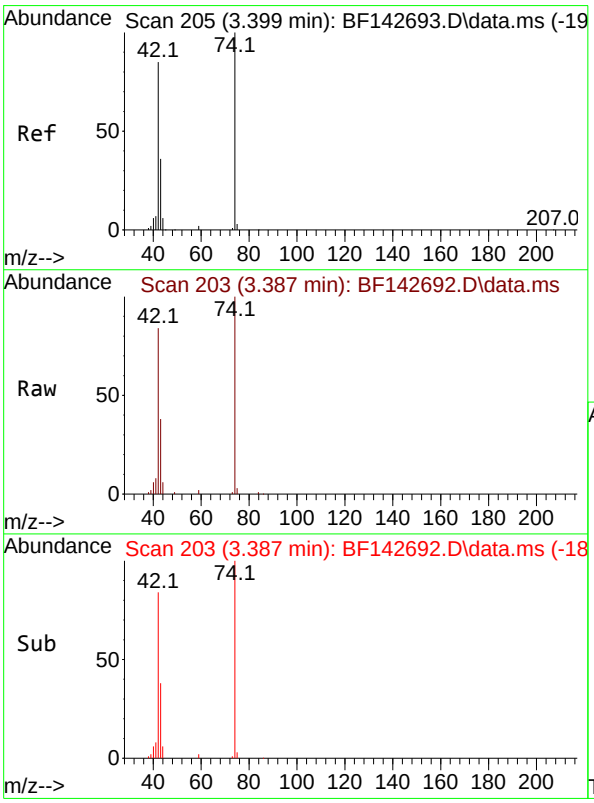
#3
Pyridine
Concen: 20.961 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 118578

Ion	Ratio	Lower	Upper
79	100		
52	82.8	66.6	99.8
51	39.6	31.7	47.5

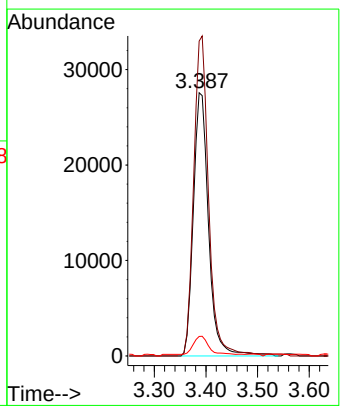


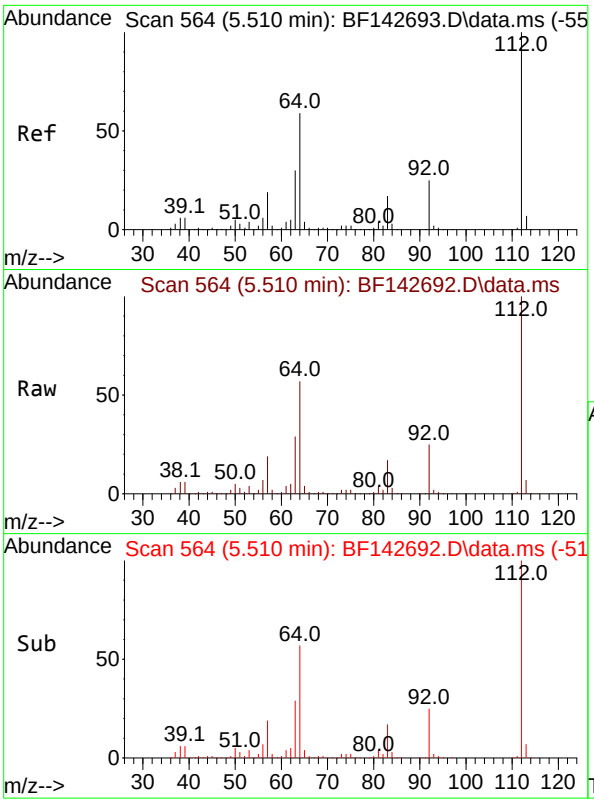


#4
n-Nitrosodimethylamine
Concen: 20.482 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 42 Resp: 56393

Ion	Ratio	Lower	Upper
42	100		
74	119.7	94.5	141.7
44	7.4	5.6	8.4



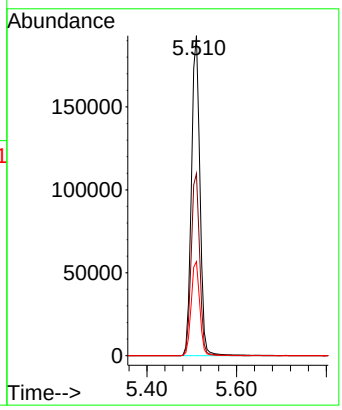


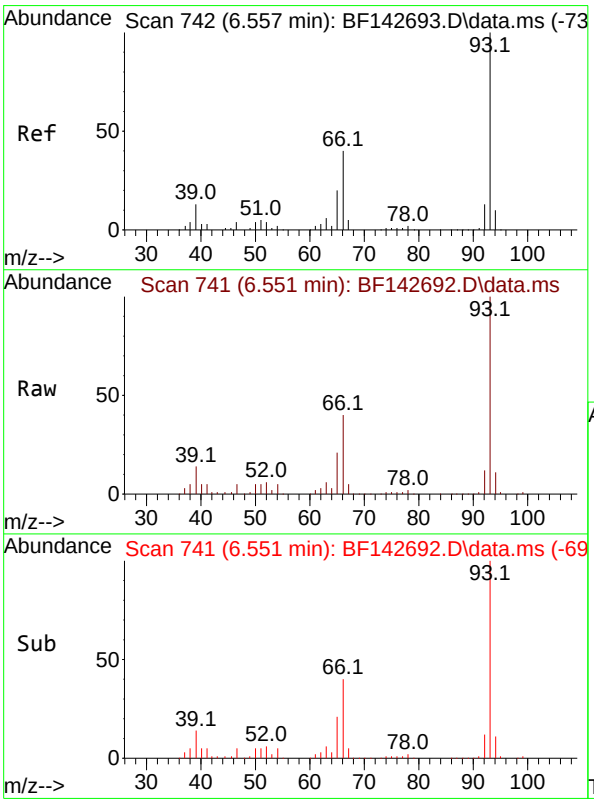
#5
2-Fluorophenol
Concen: 44.293 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 253706

Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.9	70.3
63	29.4	24.3	36.5

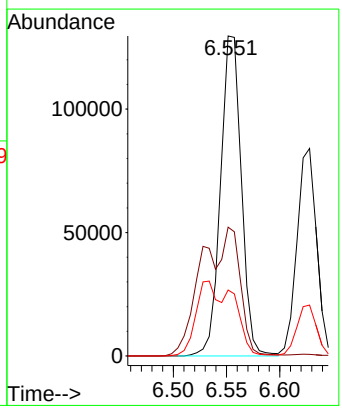


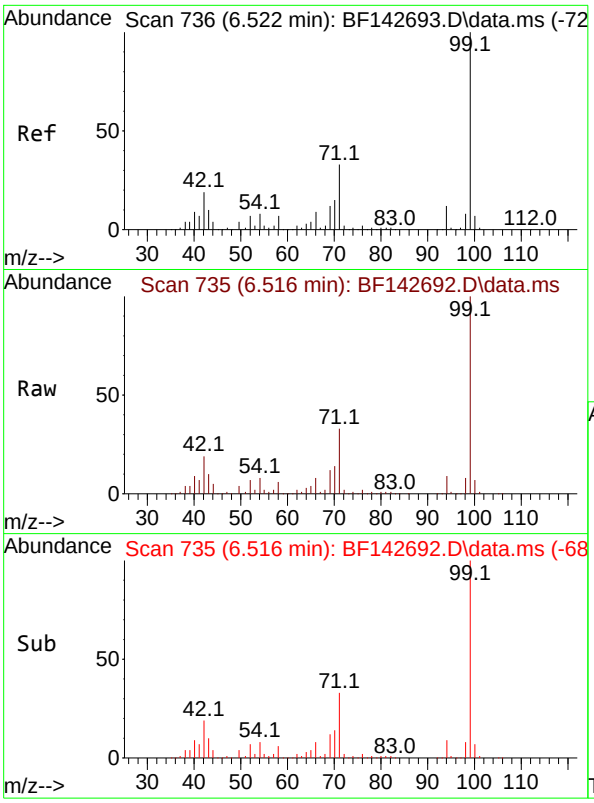


#6
Aniline
Concen: 19.573 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 93 Resp: 176517

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.8	49.2
65	20.6	16.4	24.6



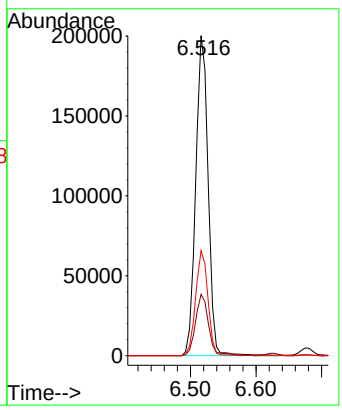


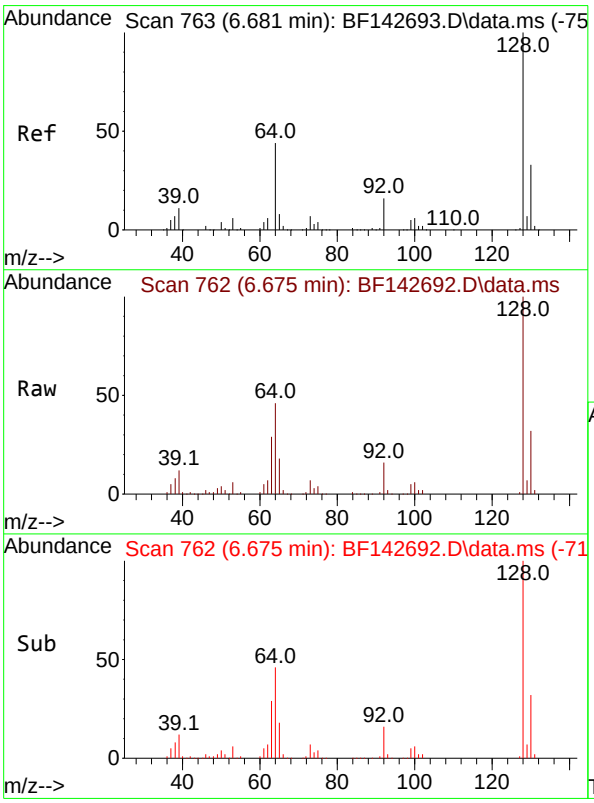
#7
Phenol-d6
Concen: 39.271 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 263788

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	32.8	26.3	39.5

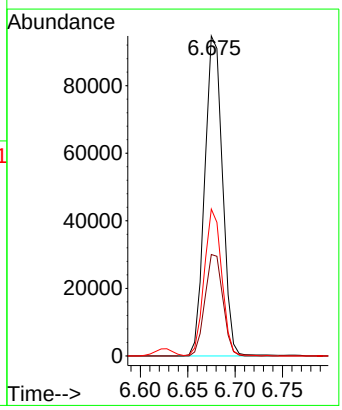


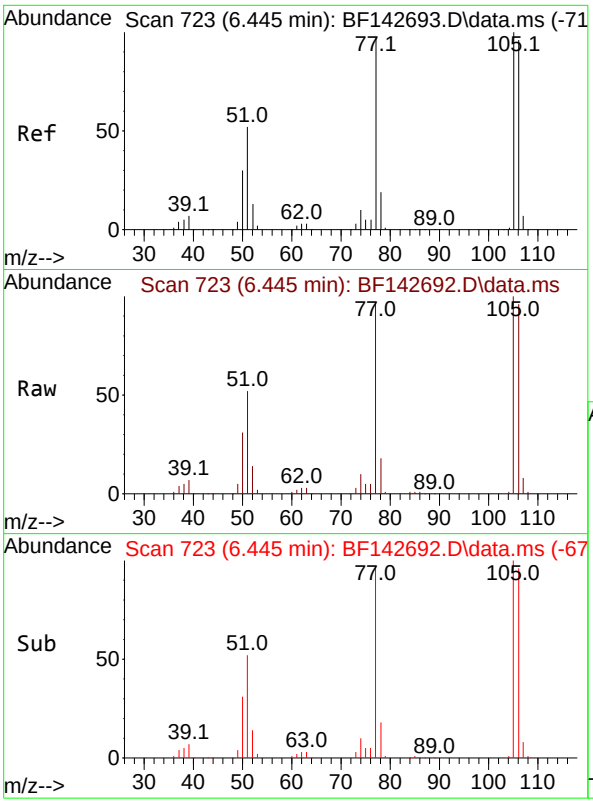


#8
2-Chlorophenol
Concen: 19.725 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:128 Resp: 123266

Ion	Ratio	Lower	Upper
128	100		
130	31.7	13.3	53.3
64	45.9	25.4	65.4



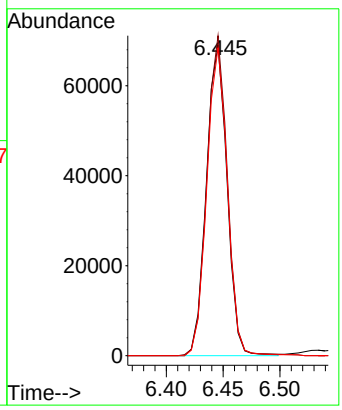


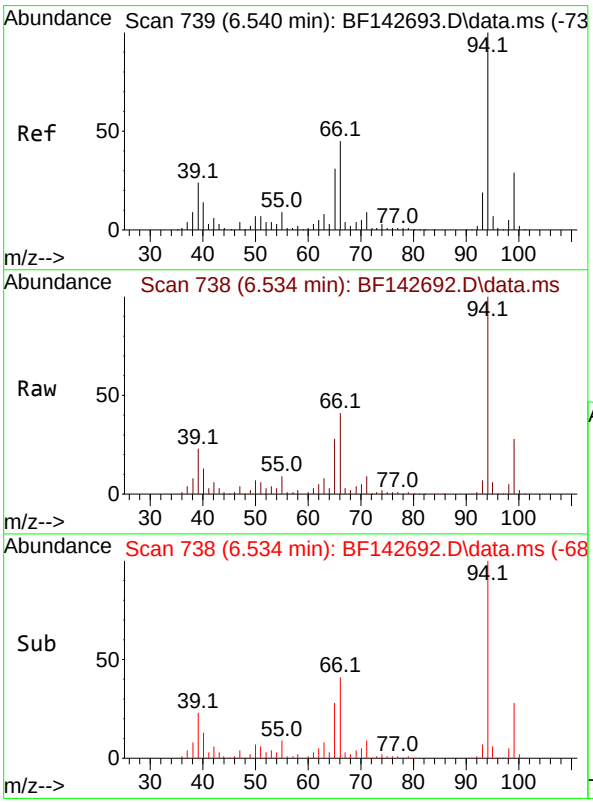
#9
Benzaldehyde
Concen: 23.074 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 87375

Ion	Ratio	Lower	Upper
77	100		
105	103.0	83.2	123.2
106	99.1	78.7	118.7

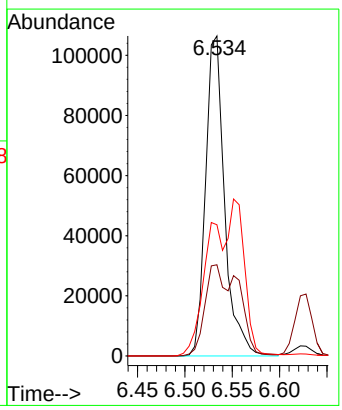


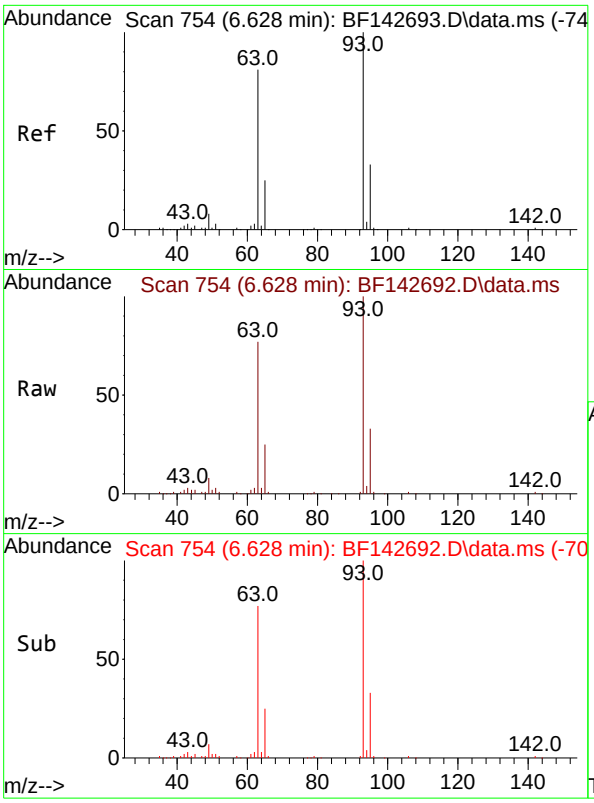


#10
Phenol
Concen: 19.704 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 94 Resp: 148211

Ion	Ratio	Lower	Upper
94	100		
65	28.5	11.0	51.0
66	41.0	24.9	64.9



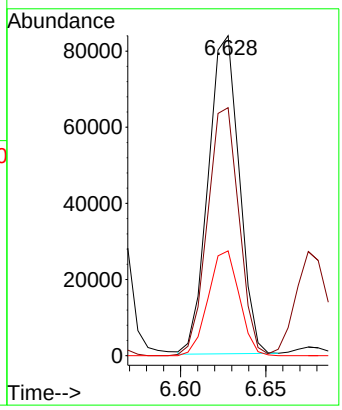


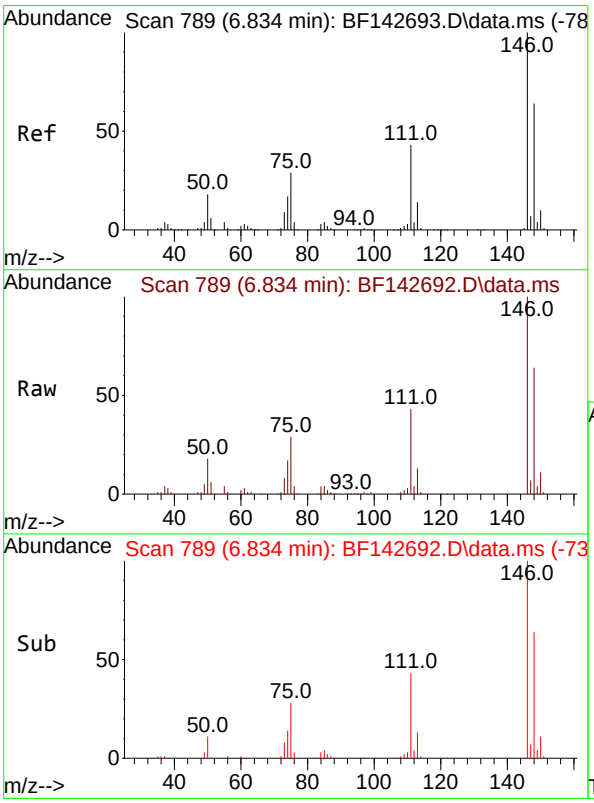
#11
bis(2-Chloroethyl)ether
Concen: 19.296 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 105741

Ion	Ratio	Lower	Upper
93	100		
63	77.5	60.0	100.0
95	32.7	12.2	52.2

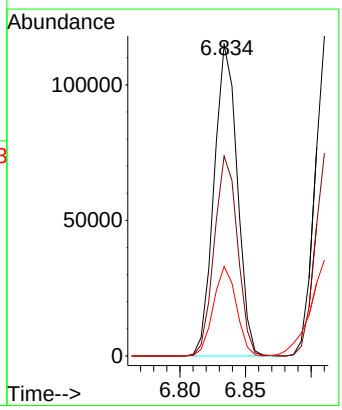


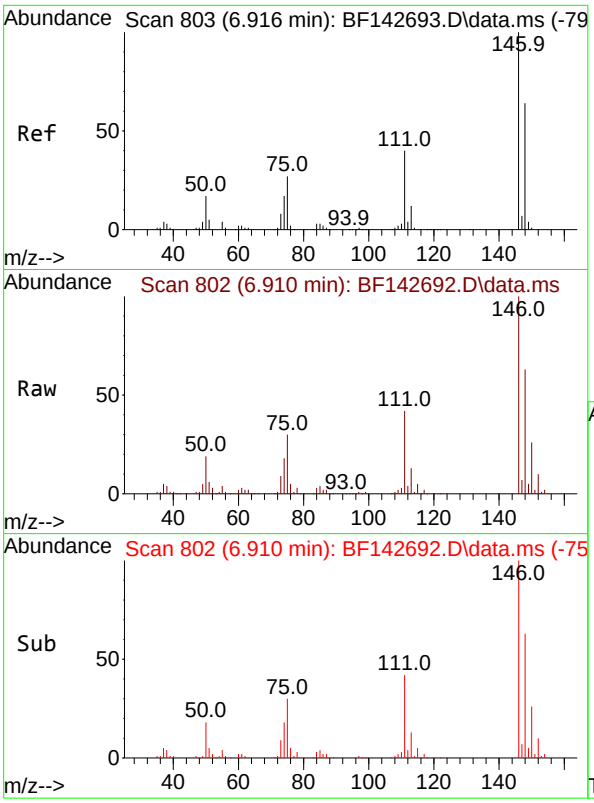


#12
1,3-Dichlorobenzene
Concen: 20.202 ng
RT: 6.834 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:146 Resp: 141389

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
75	28.7	23.1	34.7



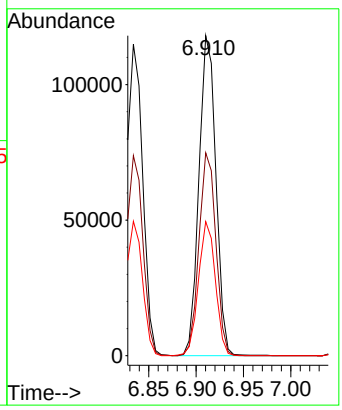


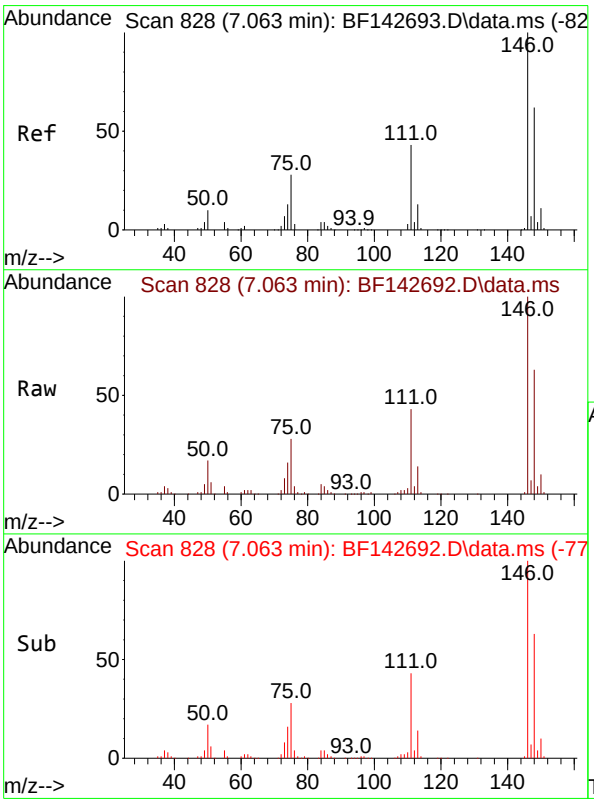
#13
1,4-Dichlorobenzene
Concen: 20.522 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 146858

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	41.9	31.8	47.8

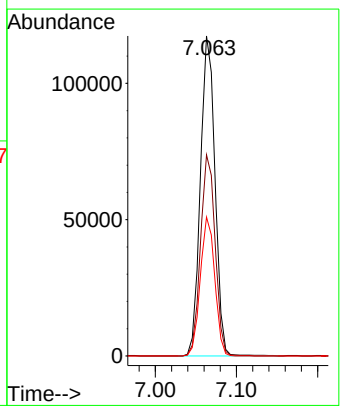


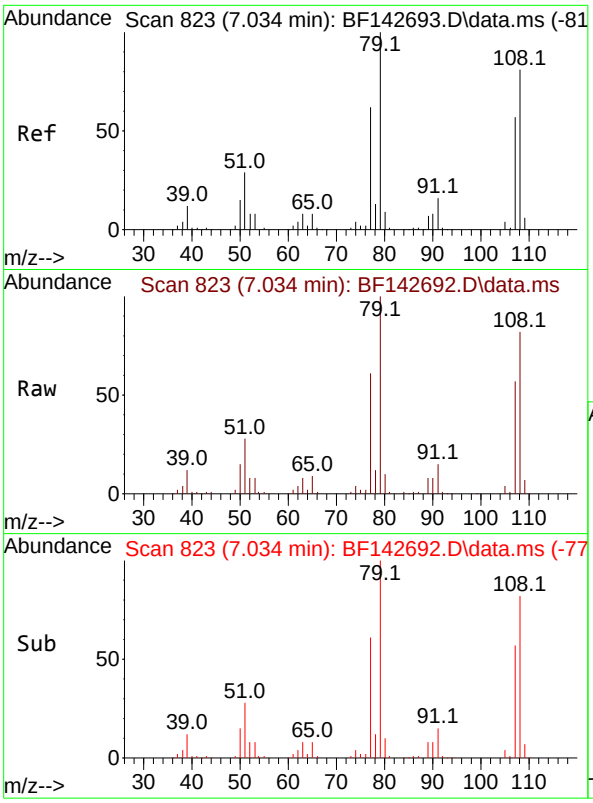


#14
1,2-Dichlorobenzene
Concen: 21.481 ng
RT: 7.063 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:146 Resp: 146565

Ion	Ratio	Lower	Upper
146	100		
148	62.9	49.3	73.9
111	43.4	34.1	51.1



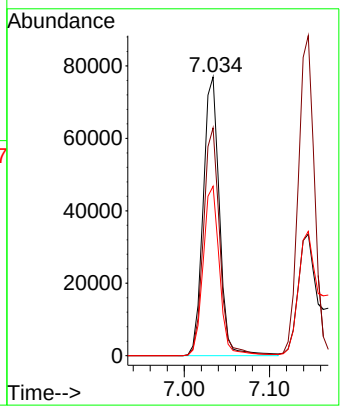


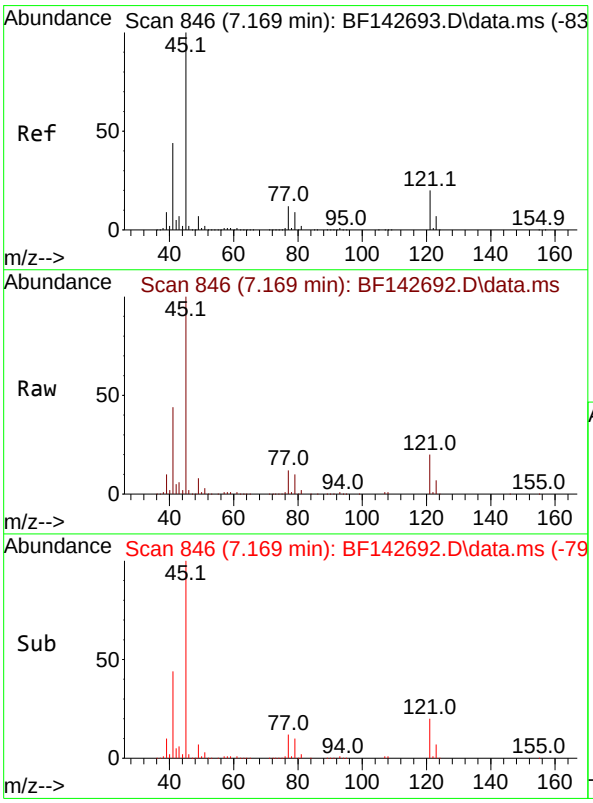
#15
Benzyl Alcohol
Concen: 20.804 ng
RT: 7.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 102221

Ion	Ratio	Lower	Upper
79	100		
108	81.7	64.8	97.2
77	60.8	49.4	74.2

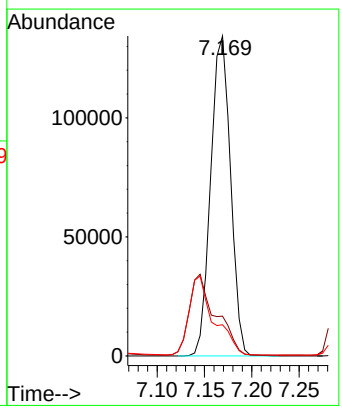


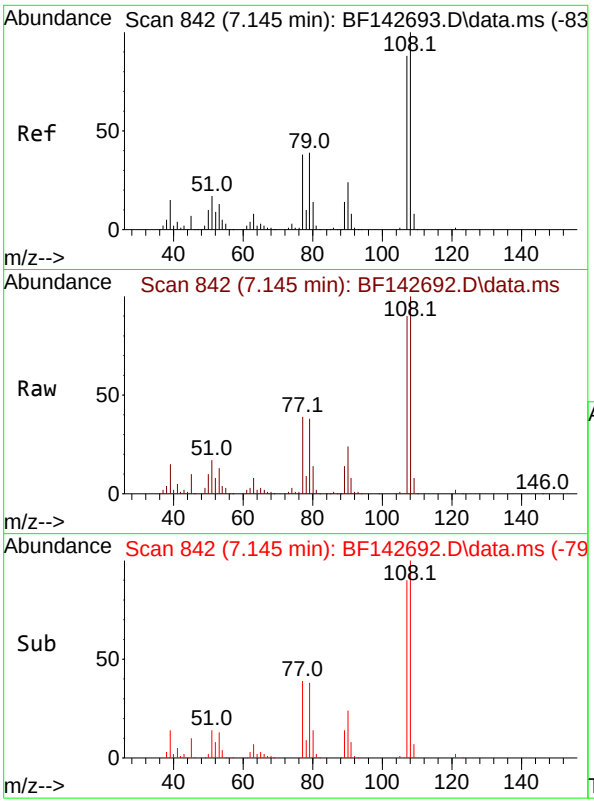


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.971 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 45 Resp: 196048

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	32.8
79	9.8	0.0	30.3



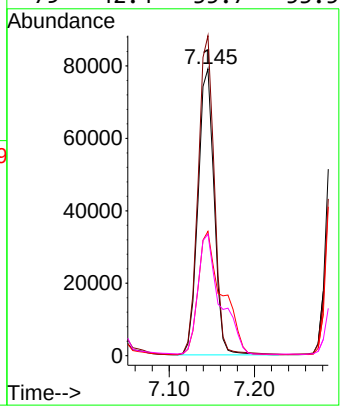


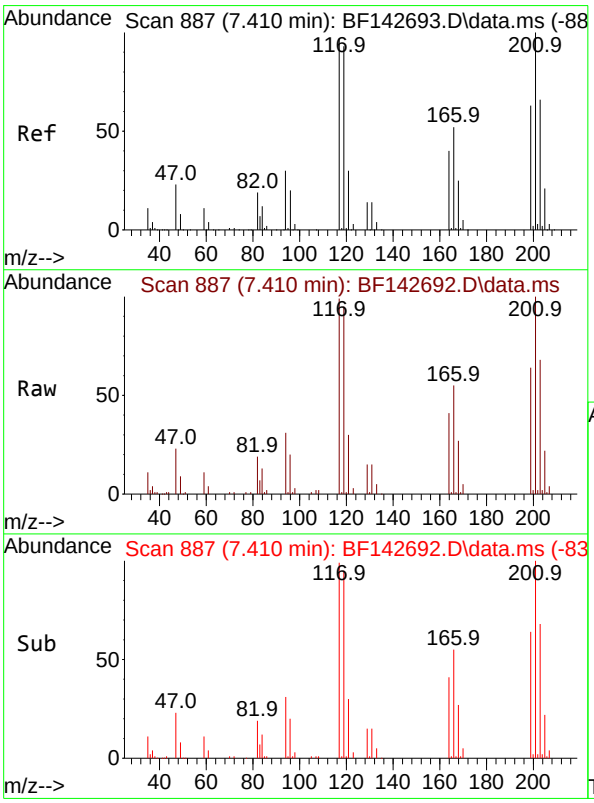
#17
2-Methylphenol
Concen: 21.595 ng
RT: 7.145 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 103484

Ion	Ratio	Lower	Upper
107	100		
108	111.5	91.0	136.4
77	43.3	34.9	52.3
79	42.4	35.7	53.5

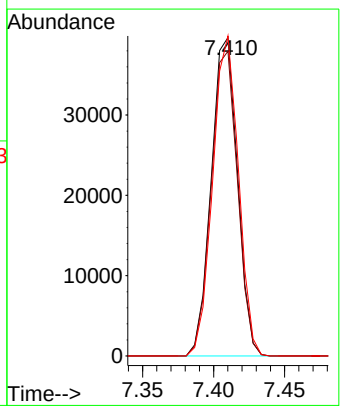


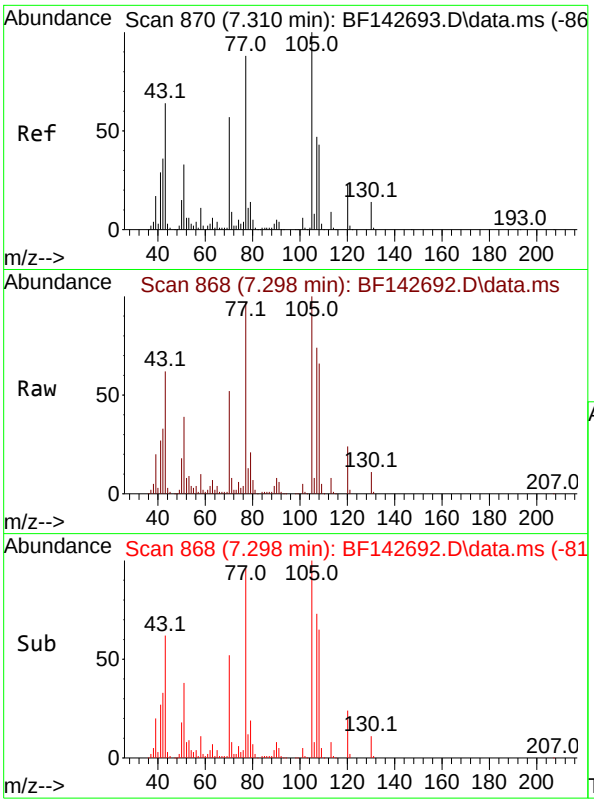


#18
Hexachloroethane
Concen: 20.747 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:117 Resp: 51005

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.1	115.7
201	100.5	82.6	123.8



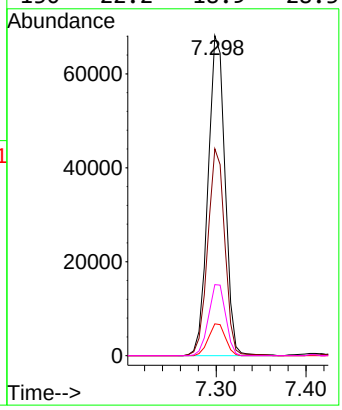


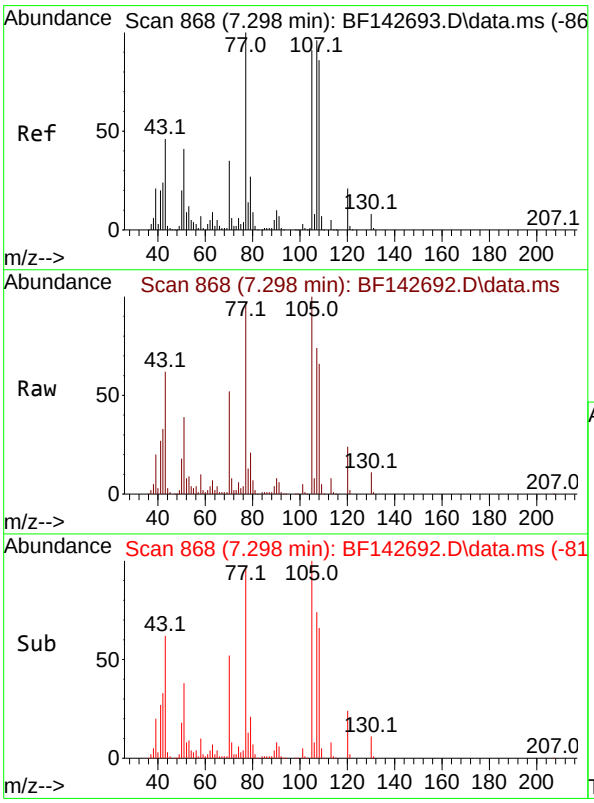
#19
n-Nitroso-di-n-propylamine
Concen: 22.792 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 89745

Ion	Ratio	Lower	Upper
70	100		
42	64.7	50.1	75.1
101	10.0	8.1	12.1
130	22.2	18.9	28.3

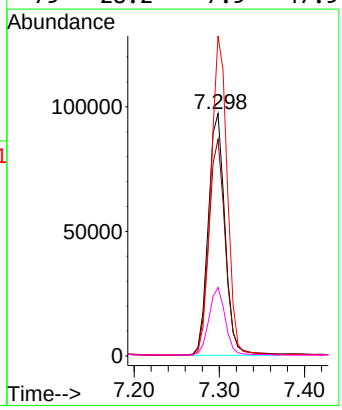


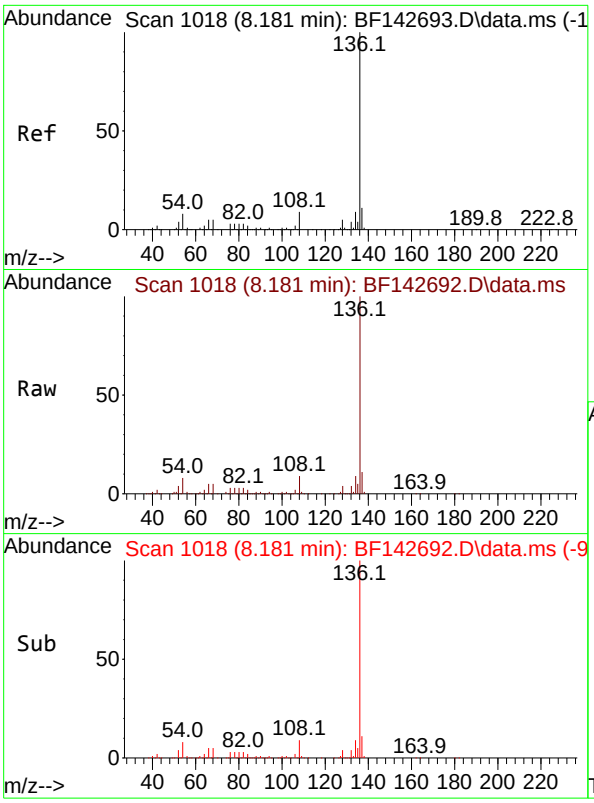


#20
3+4-Methylphenols
Concen: 22.450 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:107 Resp: 132491

Ion	Ratio	Lower	Upper
107	100		
108	89.4	69.5	109.5
77	132.0	83.6	123.6#
79	28.2	7.9	47.9



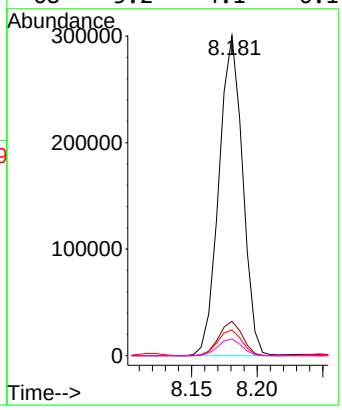


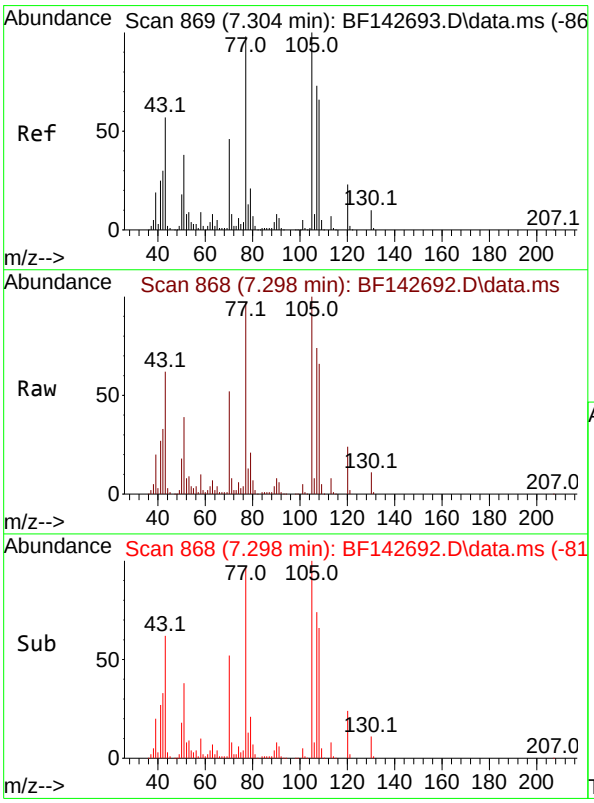
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 377794

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	6.4	9.6
68	5.2	4.1	6.1

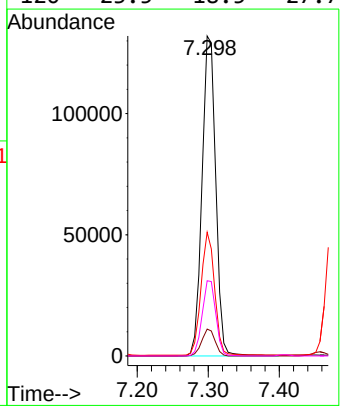


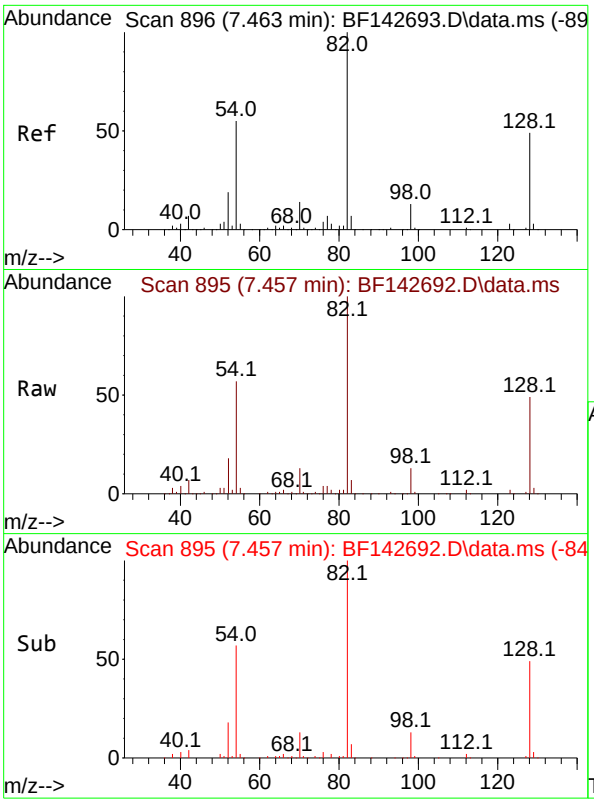


#22
Acetophenone
Concen: 21.535 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:105 Resp: 177845

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.2	9.2
51	38.7	30.8	46.2
120	23.5	18.5	27.7



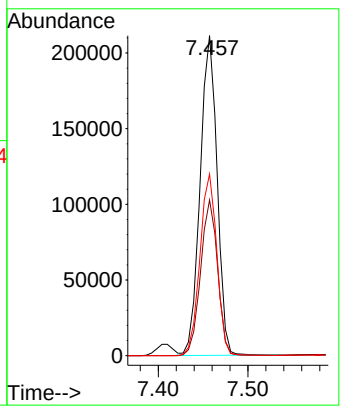


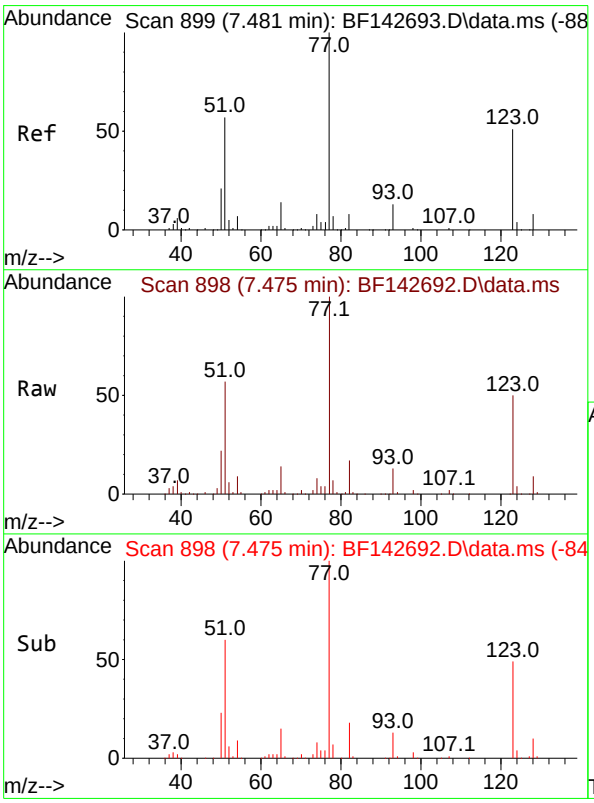
#23
Nitrobenzene-d5
Concen: 40.334 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 277271

Ion	Ratio	Lower	Upper
82	100		
128	48.7	39.3	58.9
54	56.7	44.2	66.2

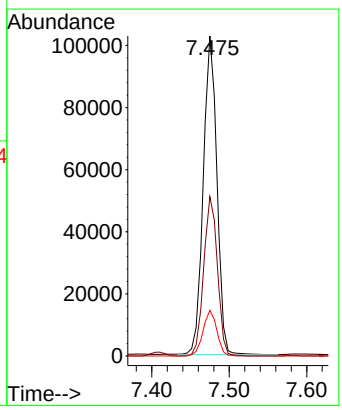


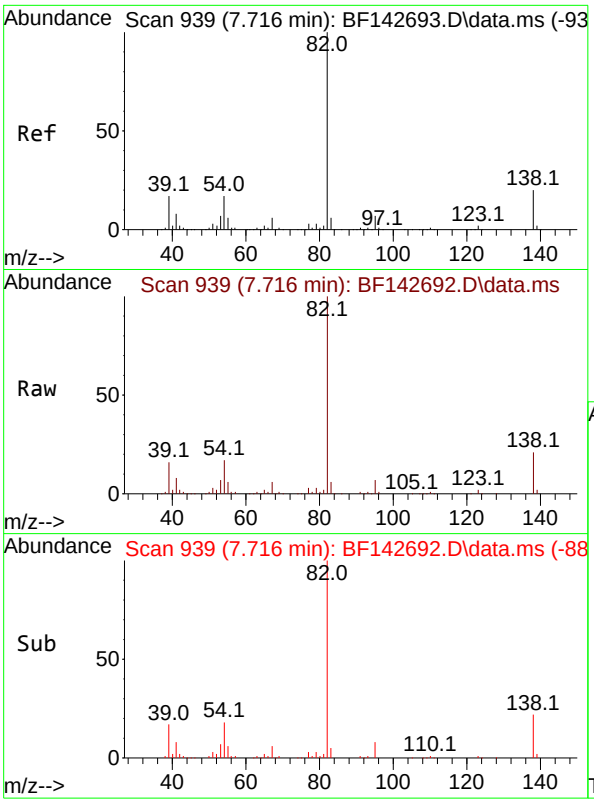


#24
Nitrobenzene
Concen: 20.247 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 77 Resp: 125527

Ion	Ratio	Lower	Upper
77	100		
123	49.8	41.3	61.9
65	14.2	11.2	16.8



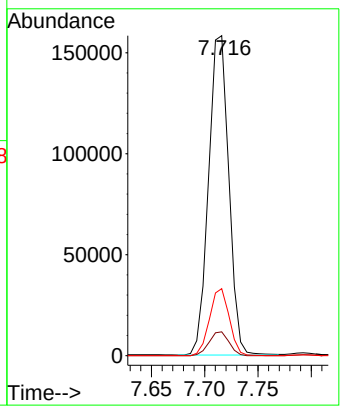


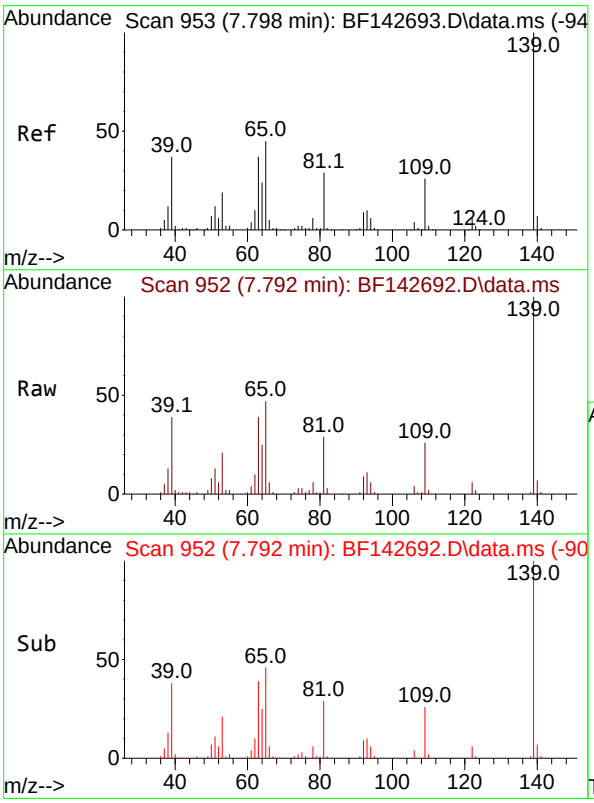
#25
Isophorone
Concen: 18.714 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 208716

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	21.0	16.1	24.1

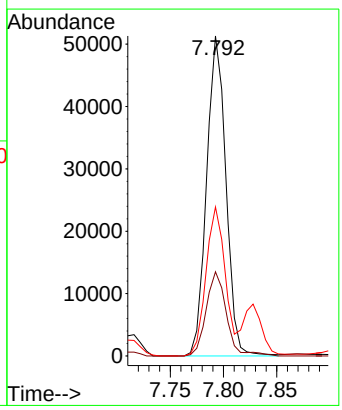


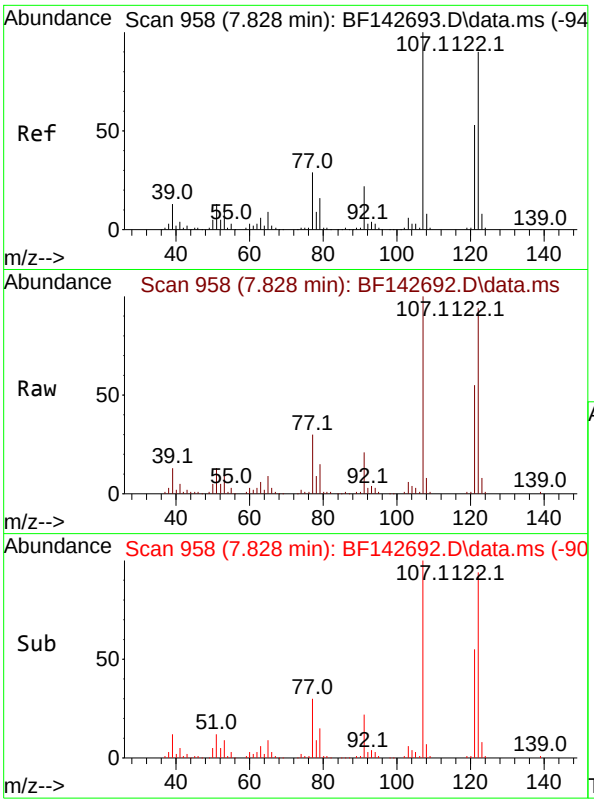


#26
2-Nitrophenol
Concen: 18.937 ng
RT: 7.792 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:139 Resp: 64761

Ion	Ratio	Lower	Upper
139	100		
109	26.3	21.0	31.6
65	46.5	36.2	54.2



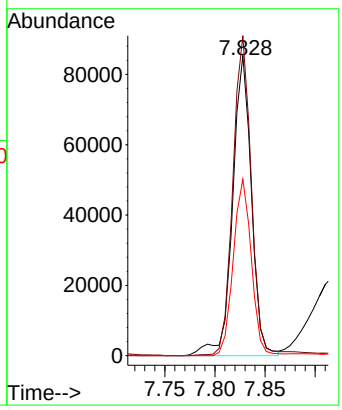


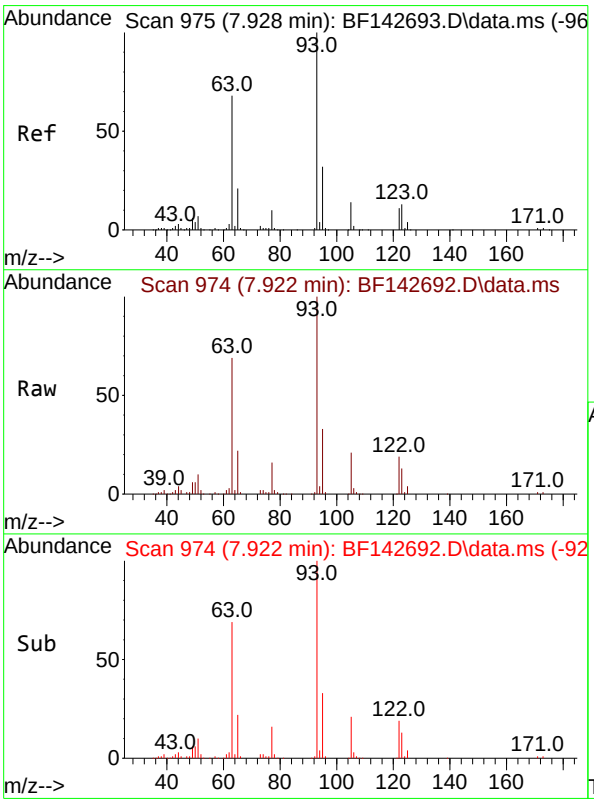
#27
2,4-Dimethylphenol
Concen: 19.195 ng
RT: 7.828 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 111560

Ion	Ratio	Lower	Upper
122	100		
107	106.6	89.4	134.2
121	58.8	47.1	70.7

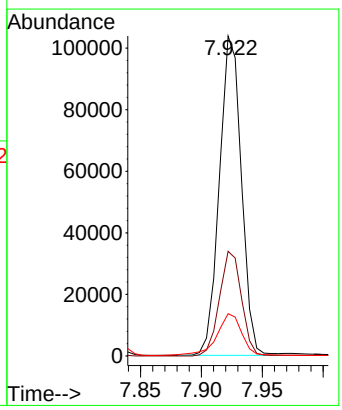


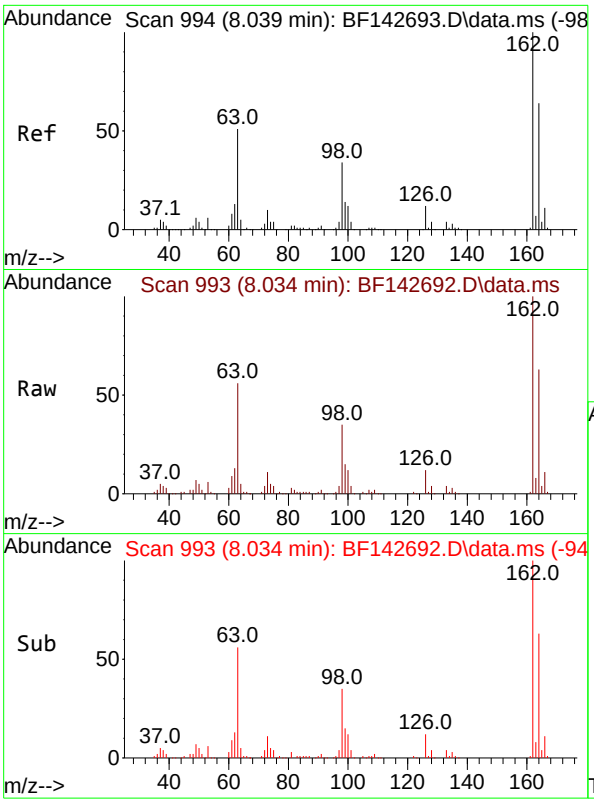


#28
bis(2-Chloroethoxy)methane
Concen: 18.649 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 93 Resp: 130451

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	13.2	10.5	15.7



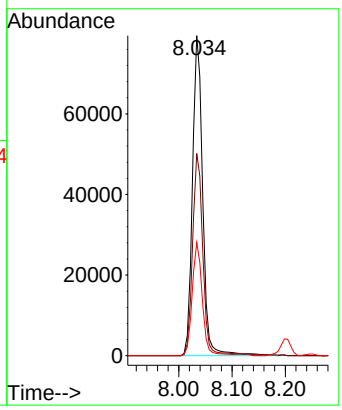


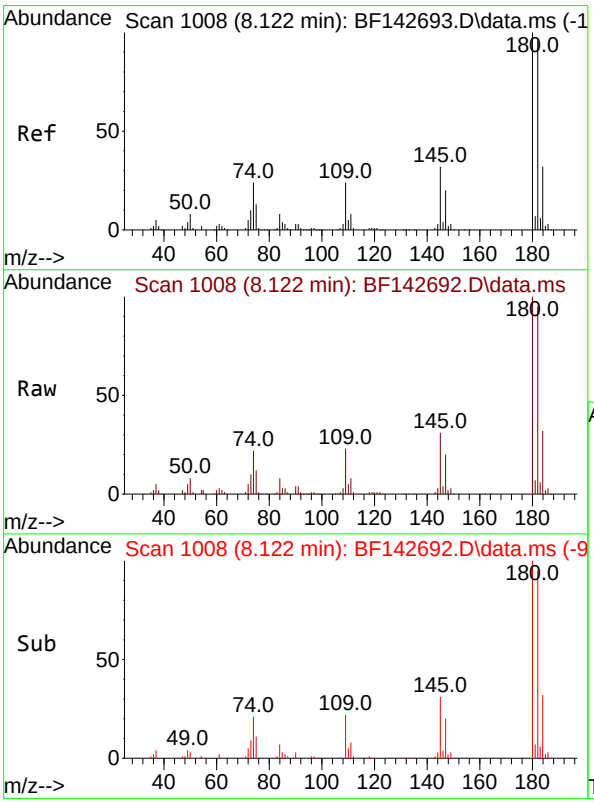
#29
2,4-Dichlorophenol
Concen: 19.933 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 106135

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	35.4	14.4	54.4

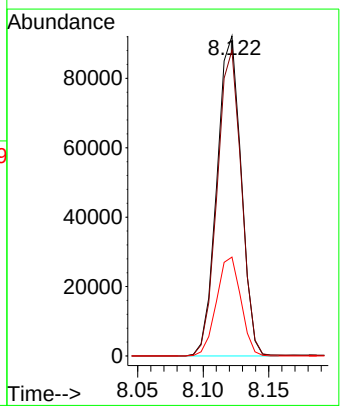


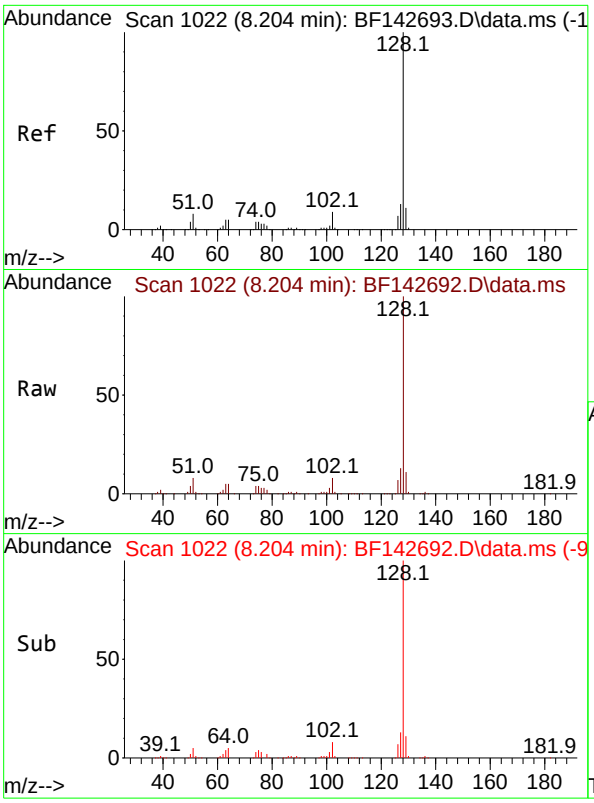


#30
1,2,4-Trichlorobenzene
Concen: 20.384 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:180 Resp: 118388

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	114.8
145	30.9	25.4	38.0



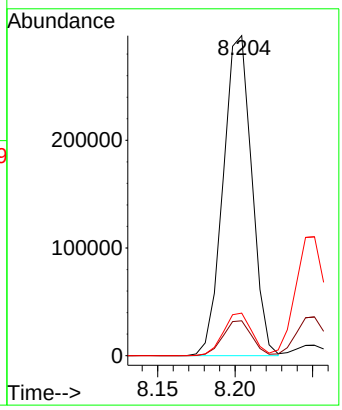


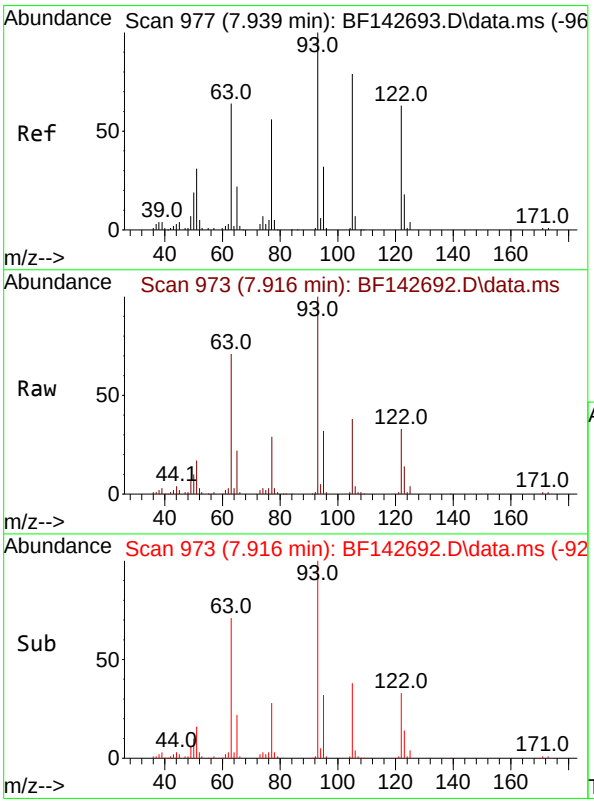
#31
Naphthalene
Concen: 20.459 ng
RT: 8.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 380874

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.6	15.8

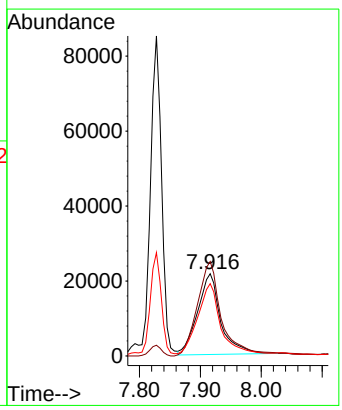


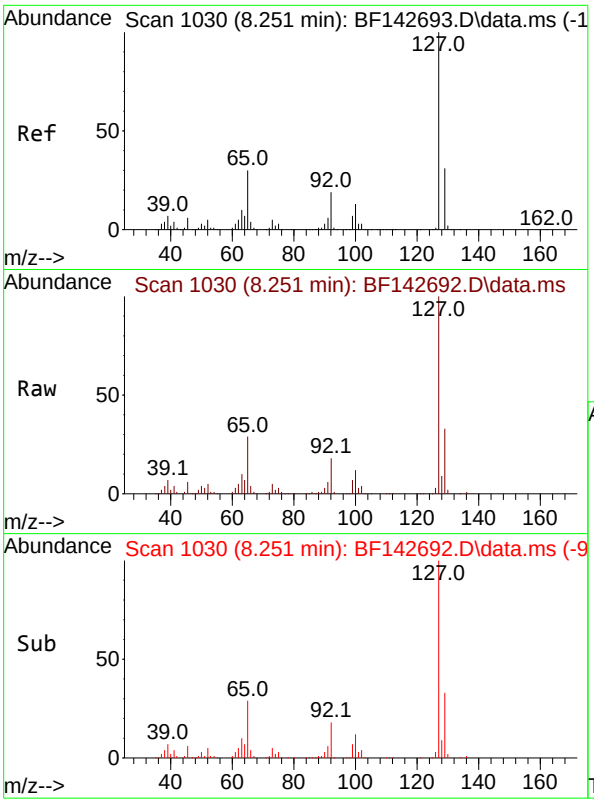


#32
Benzoic acid
Concen: 16.189 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.023 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:122 Resp: 57119

Ion	Ratio	Lower	Upper
122	100		
105	114.8	100.3	140.3
77	87.9	67.9	107.9



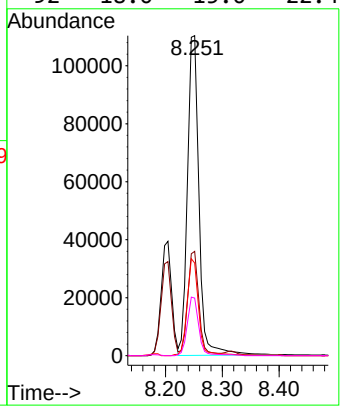


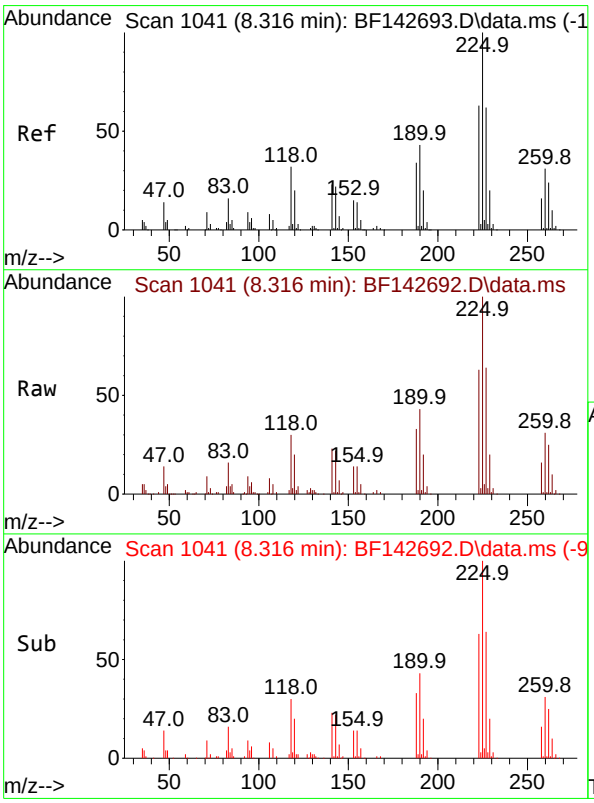
#33
4-Chloroaniline
Concen: 20.399 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 156125

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	29.0	23.8	35.6
92	18.0	15.0	22.4

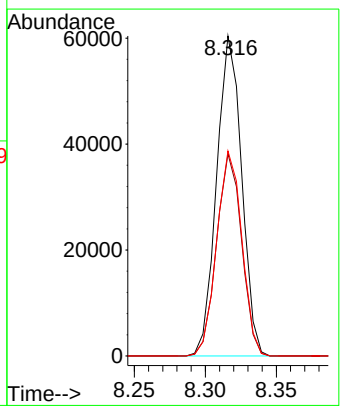


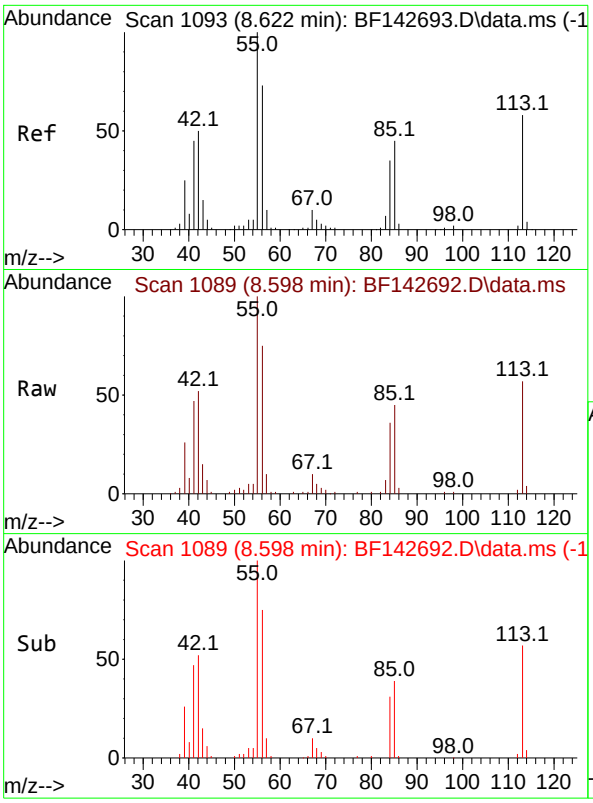


#34
Hexachlorobutadiene
Concen: 20.669 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:225 Resp: 73933

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.7	76.1
227	64.1	49.8	74.8



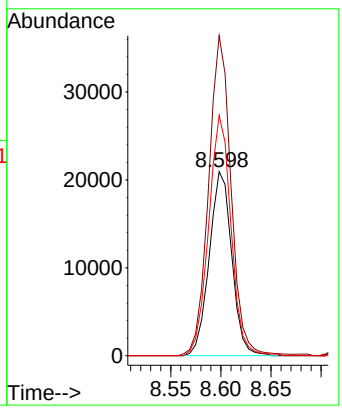


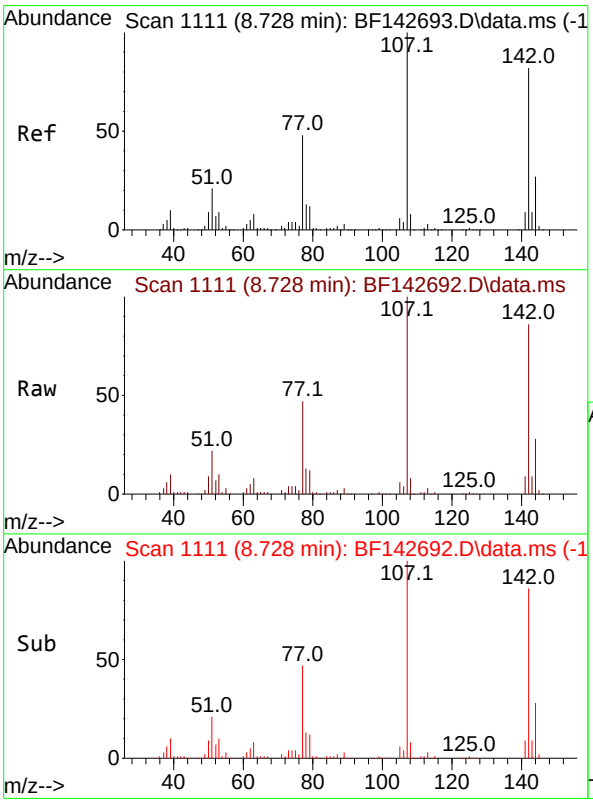
#35
Caprolactam
Concen: 19.991 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 32693

Ion	Ratio	Lower	Upper
113	100		
55	173.9	152.9	192.9
56	130.6	106.6	146.6

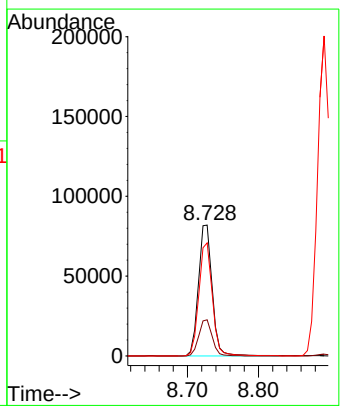


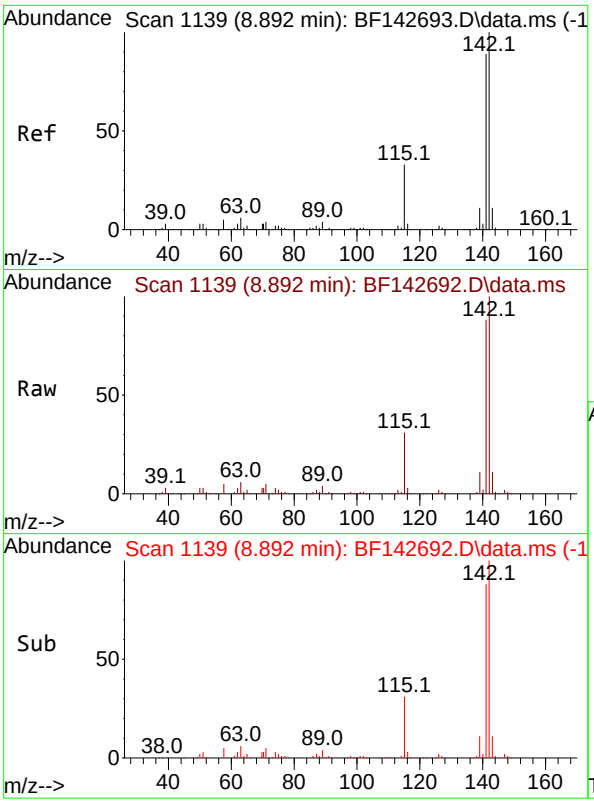


#36
4-Chloro-3-methylphenol
Concen: 20.139 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:107 Resp: 110605

Ion	Ratio	Lower	Upper
107	100		
144	27.6	21.5	32.3
142	86.4	65.5	98.3



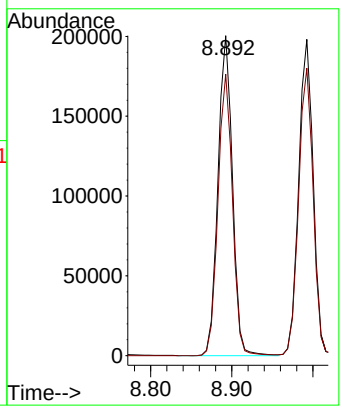


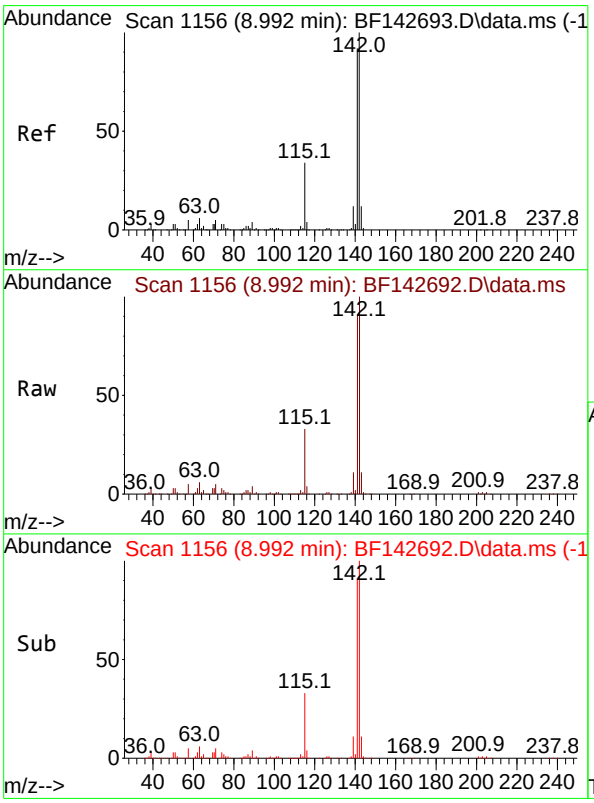
#37
2-Methylnaphthalene
Concen: 21.317 ng
RT: 8.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 249705

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2

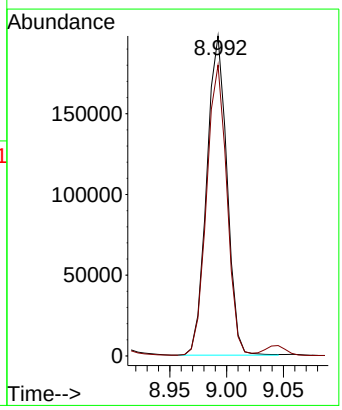


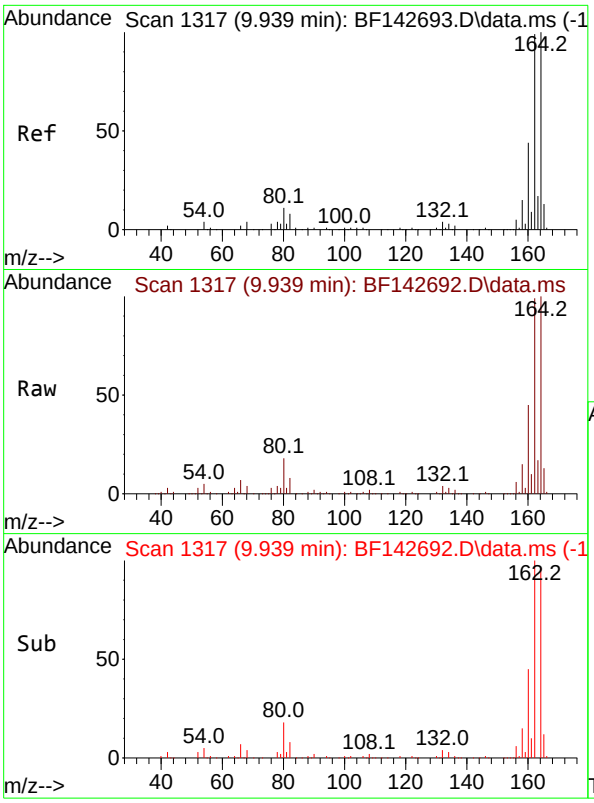


#38
1-Methylnaphthalene
Concen: 20.186 ng
RT: 8.992 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:142 Resp: 244862

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.7	110.5



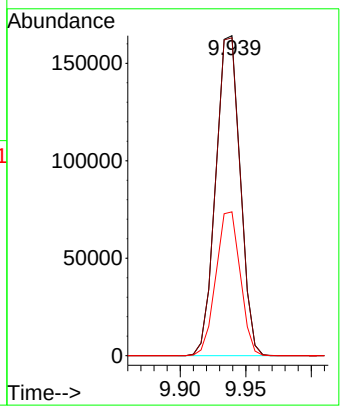


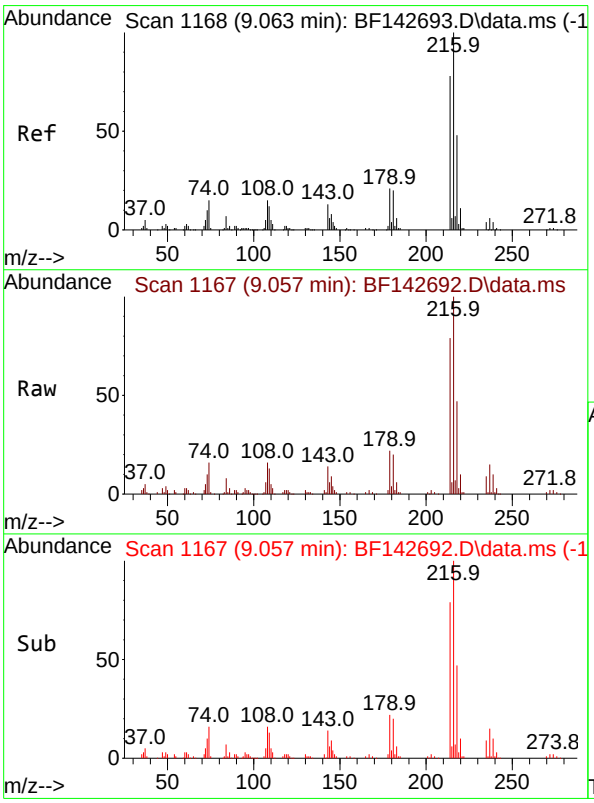
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 212806

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.1	118.7
160	45.0	35.4	53.0

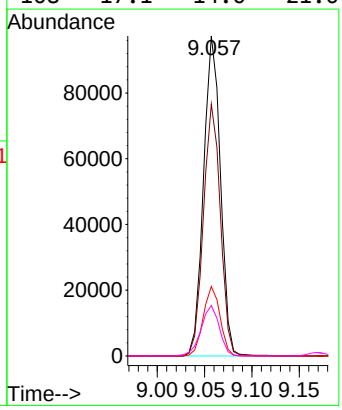


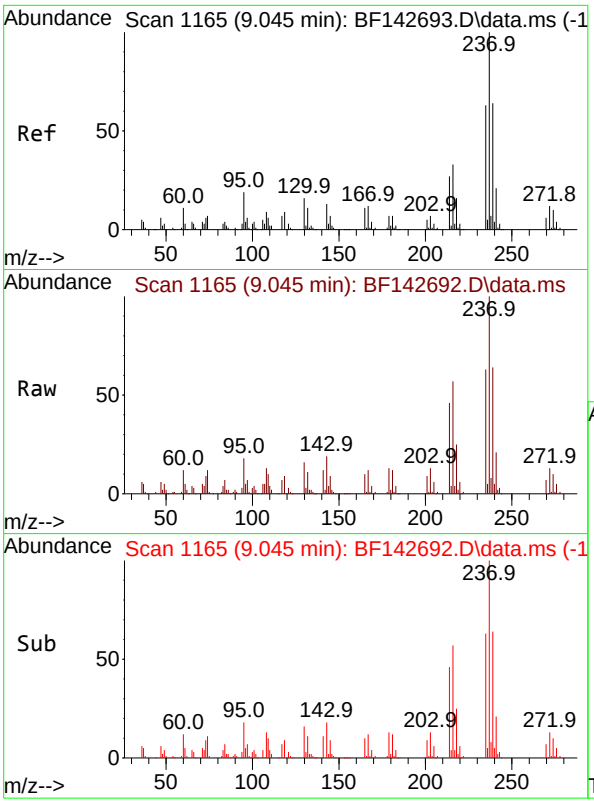


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.603 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:216 Resp: 120558

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.6
179	21.5	16.6	25.0
108	17.1	14.0	21.0



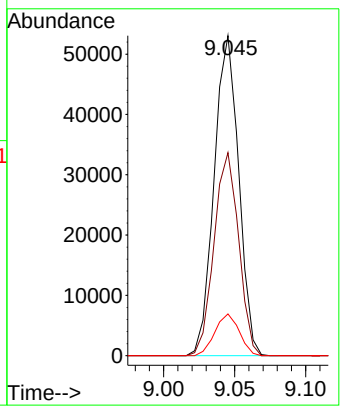


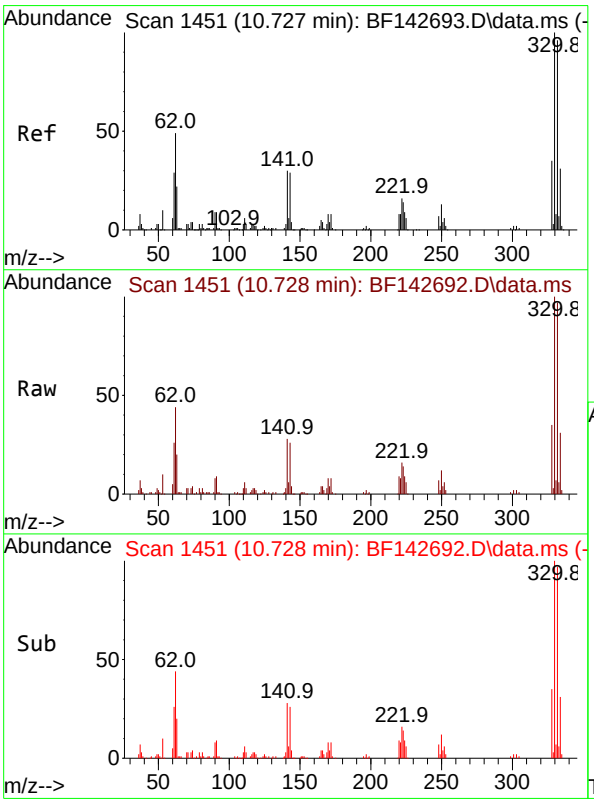
#41
Hexachlorocyclopentadiene
Concen: 17.635 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 63688

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.1	83.1
272	13.0	0.0	32.5

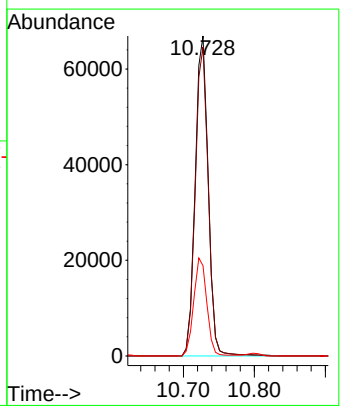


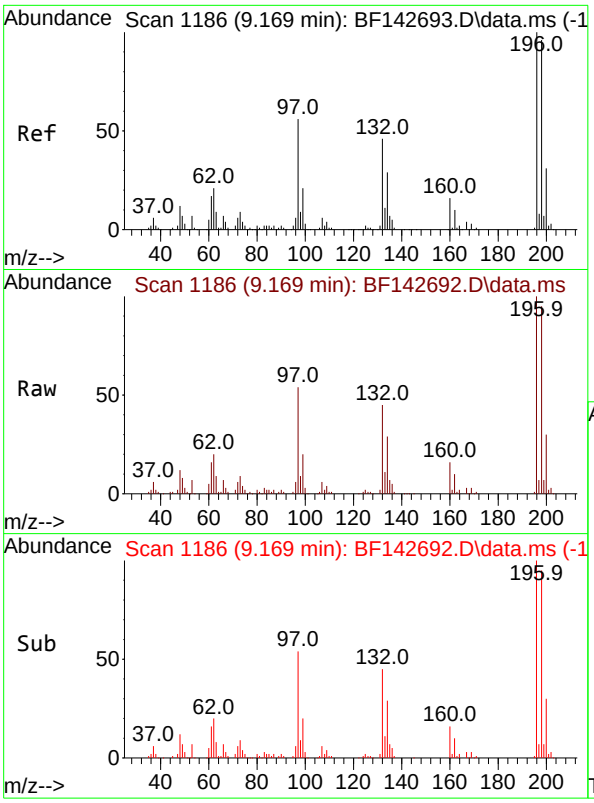


#42
2,4,6-Tribromophenol
Concen: 35.728 ng
RT: 10.728 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:330 Resp: 85421

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	30.7	23.5	35.3



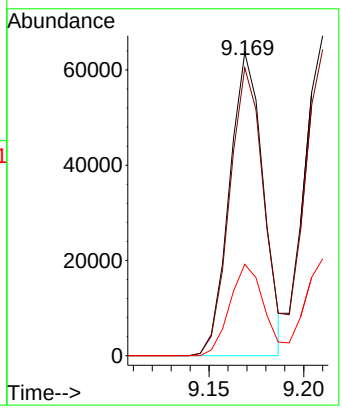


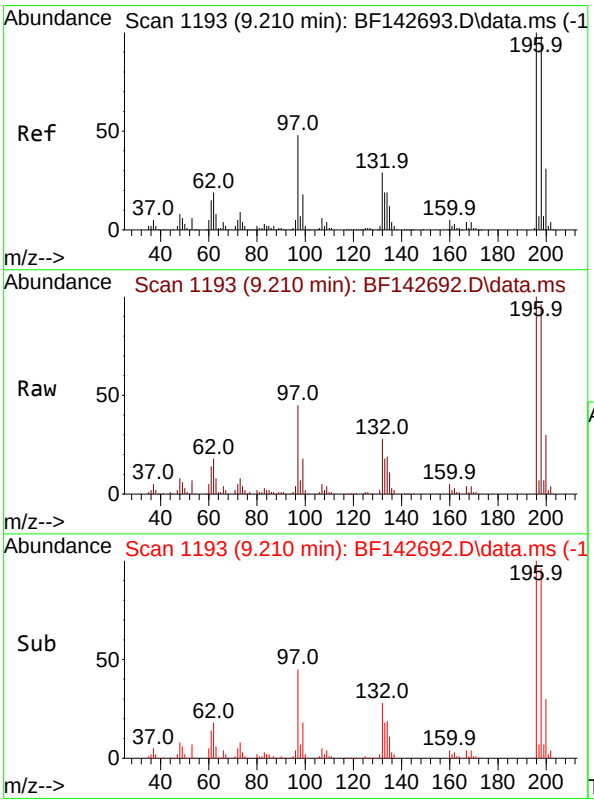
#43
2,4,6-Trichlorophenol
Concen: 19.532 ng
RT: 9.169 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 78817

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.1	115.7
200	30.1	24.5	36.7

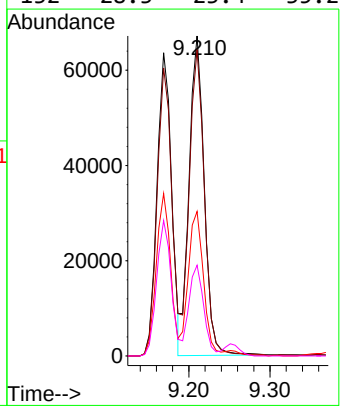


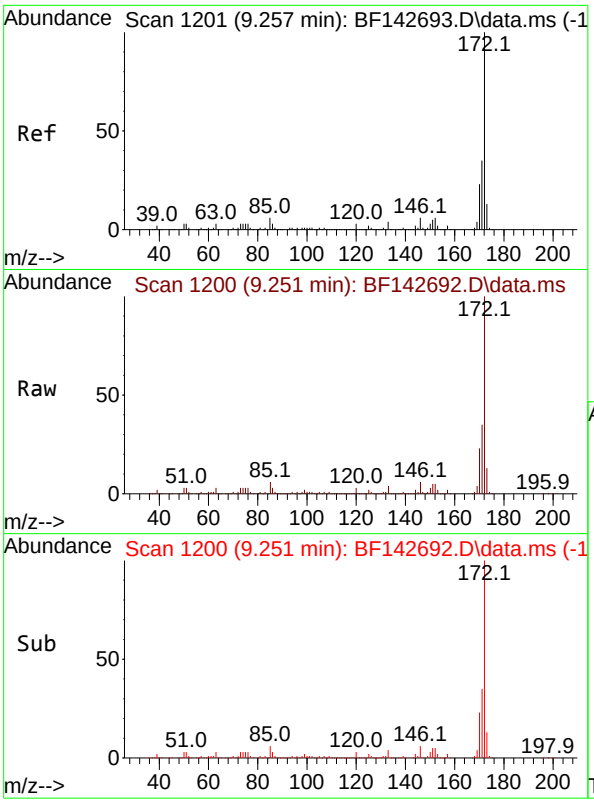


#44
2,4,5-Trichlorophenol
Concen: 20.274 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:196 Resp: 87384

Ion	Ratio	Lower	Upper
196	100		
198	95.7	78.2	117.2
97	45.2	39.2	58.8
132	28.3	23.4	35.2



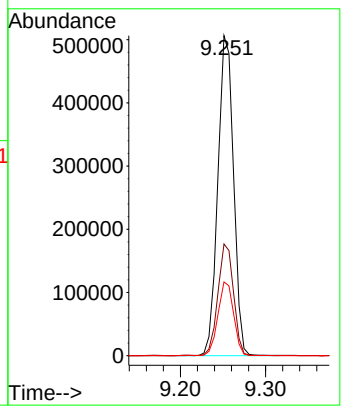


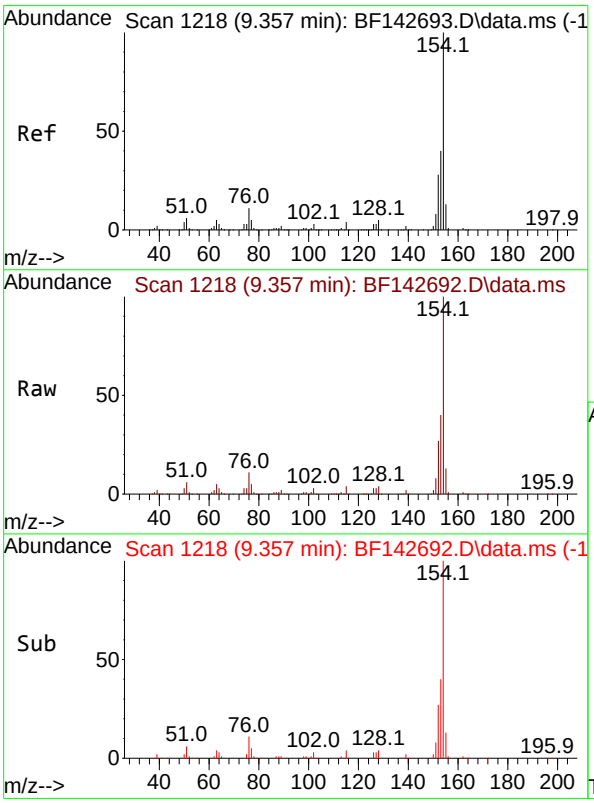
#45
2-Fluorobiphenyl
Concen: 41.737 ng
RT: 9.251 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 649459

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	23.0	18.7	28.1

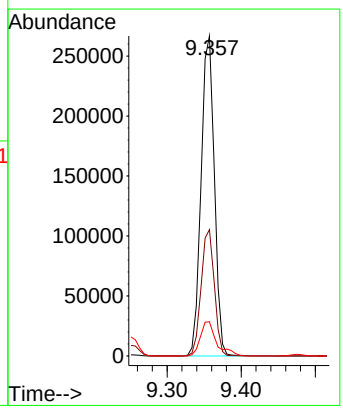


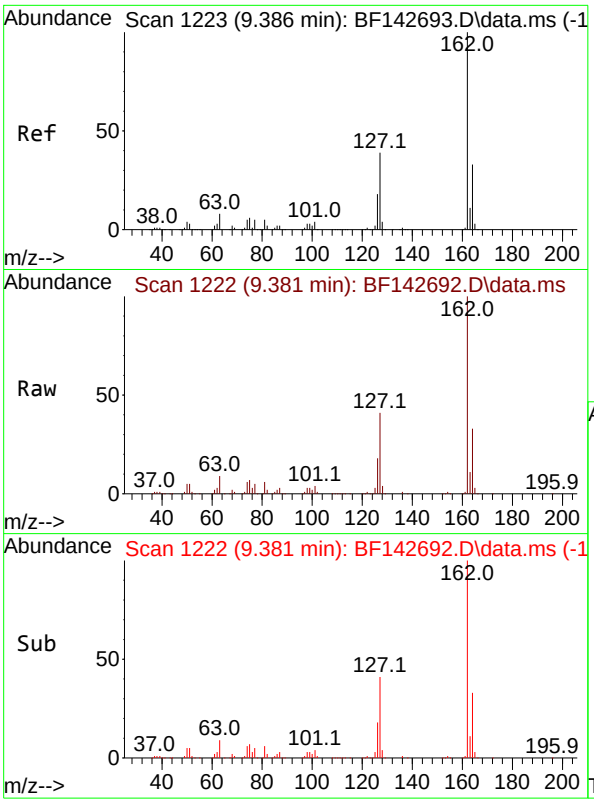


#46
1,1'-Biphenyl
Concen: 20.044 ng
RT: 9.357 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:154 Resp: 331680

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.4	60.4
76	10.7	0.0	31.4



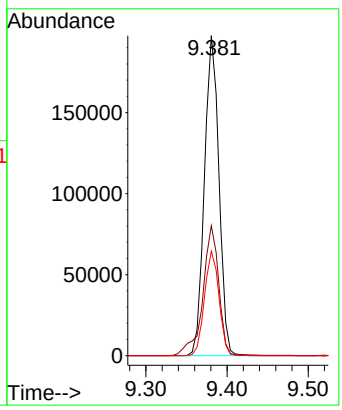


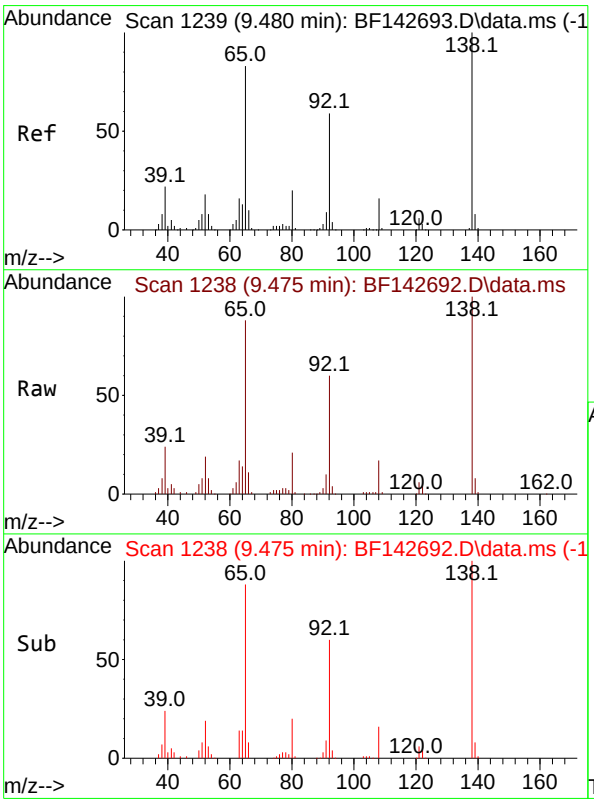
#47
2-Chloronaphthalene
Concen: 19.742 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 244779

Ion	Ratio	Lower	Upper
162	100		
127	40.6	31.7	47.5
164	32.6	26.2	39.4

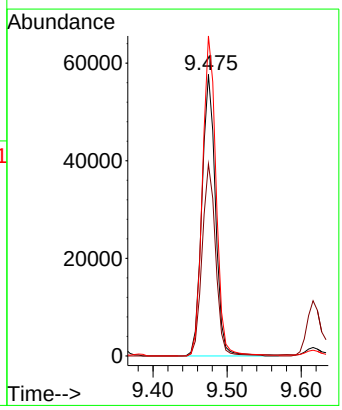


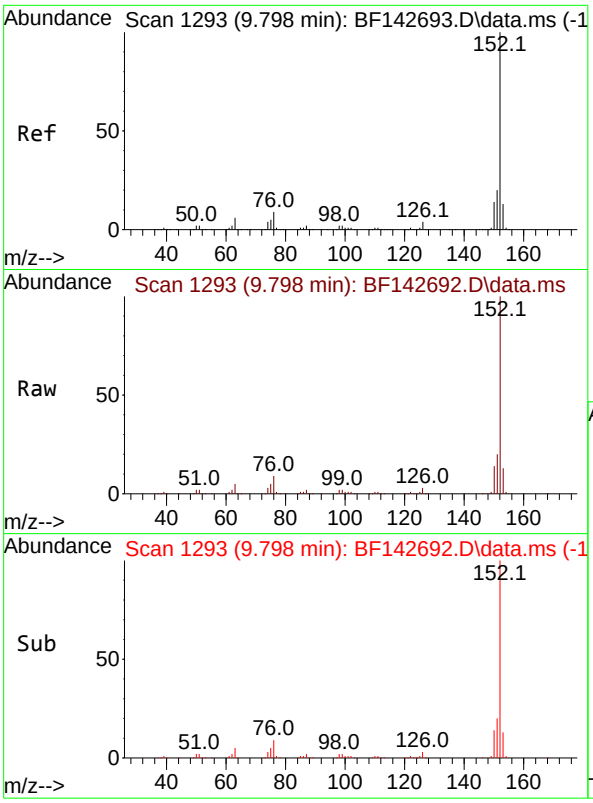


#48
2-Nitroaniline
Concen: 19.911 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion: 65 Resp: 73463

Ion	Ratio	Lower	Upper
65	100		
92	68.2	56.3	84.5
138	113.7	95.9	143.9



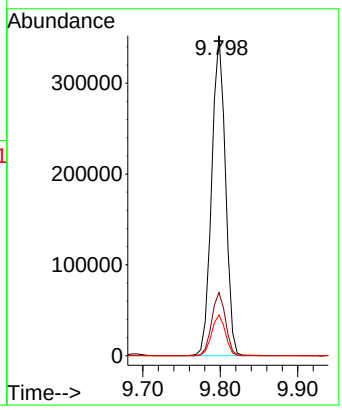


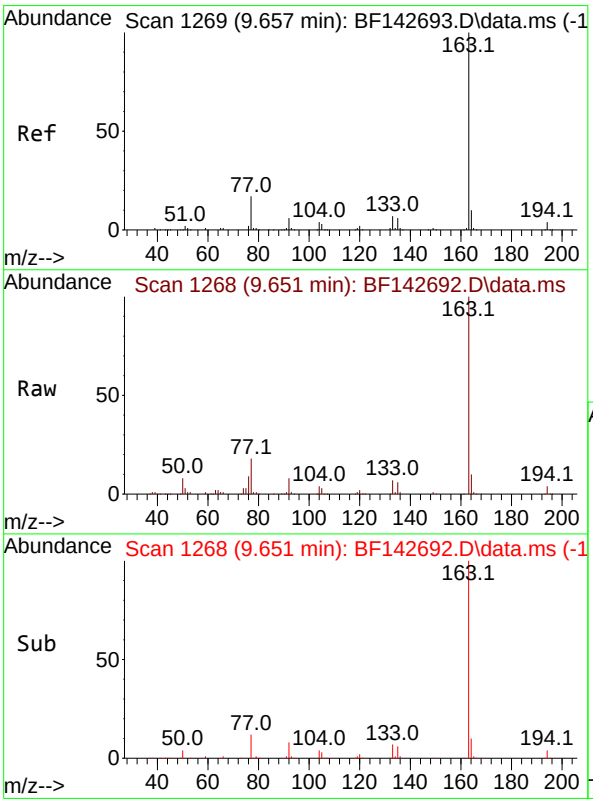
#49
Acenaphthylene
Concen: 21.075 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 433080

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	12.8	10.5	15.7

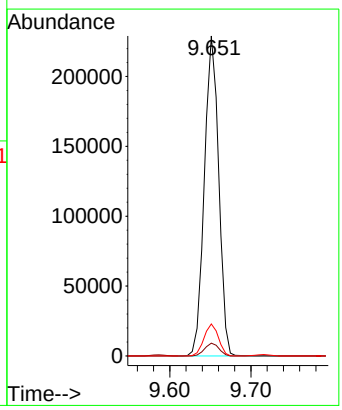


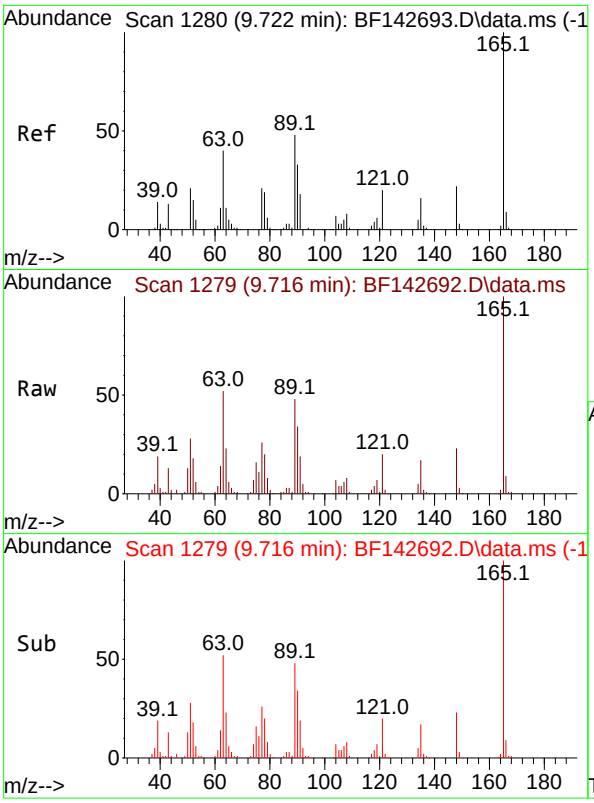


#50
Dimethylphthalate
Concen: 19.581 ng
RT: 9.651 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:163 Resp: 280352

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.0	8.1	12.1



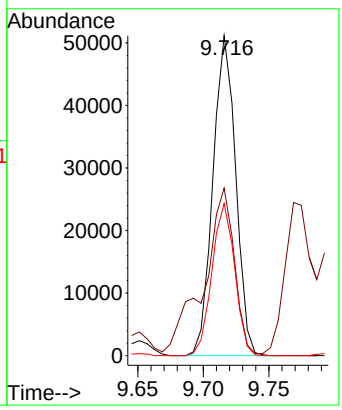


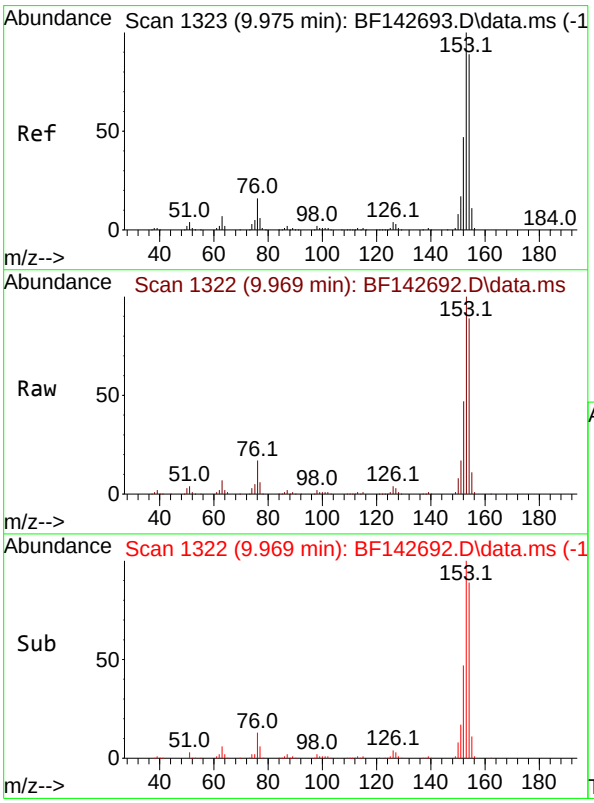
#51
2,6-Dinitrotoluene
Concen: 19.923 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 61708

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.3	61.9
89	47.6	38.1	57.1

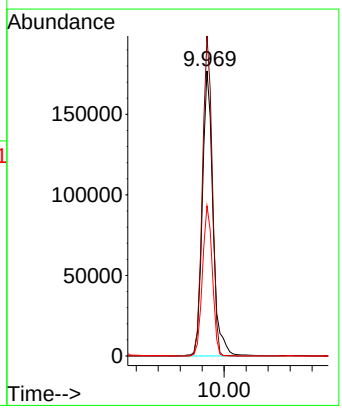


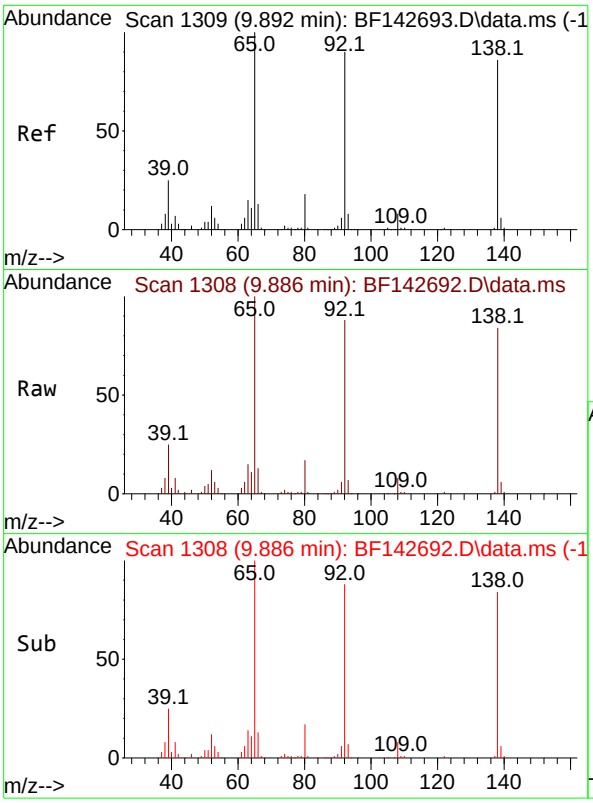


#52
Acenaphthene
Concen: 18.911 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:154 Resp: 237722

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.5	134.3
152	52.7	41.8	62.8



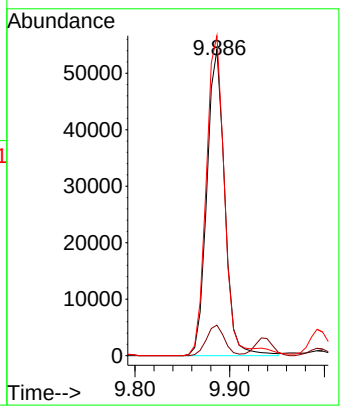


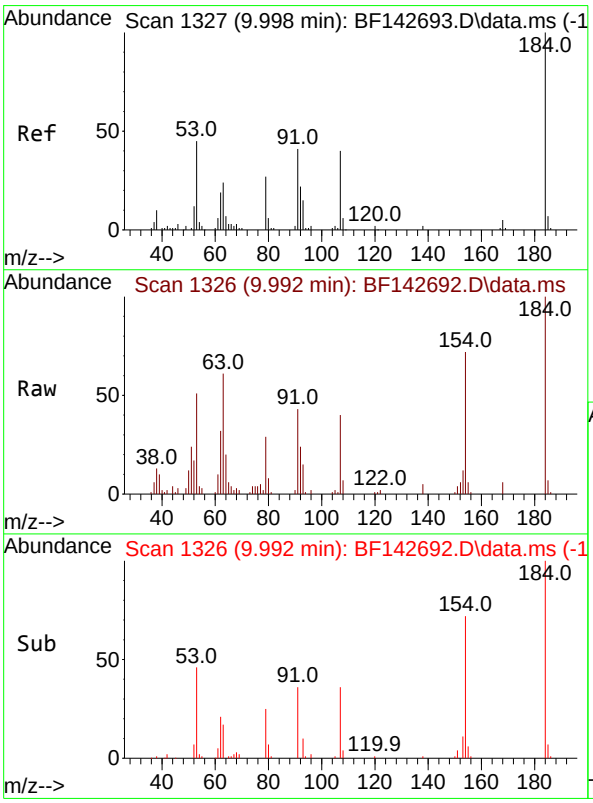
#53
3-Nitroaniline
Concen: 20.425 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 71082

Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.7	11.5
92	104.5	83.4	125.0

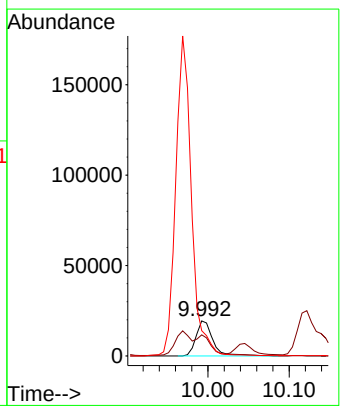


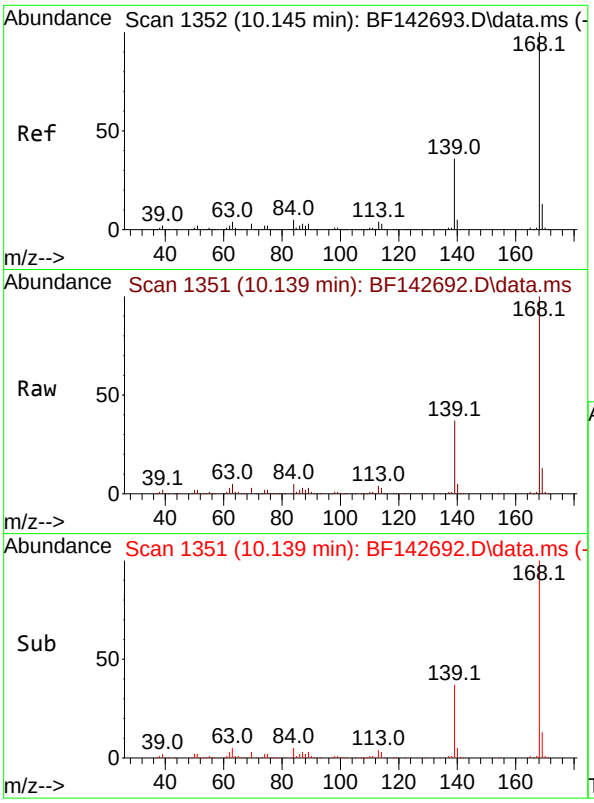


#54
2,4-Dinitrophenol
Concen: 16.313 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:184 Resp: 27973

Ion	Ratio	Lower	Upper
184	100		
63	60.5	47.4	71.0
154	72.2	48.6	73.0



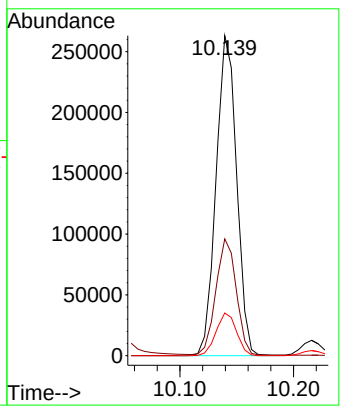


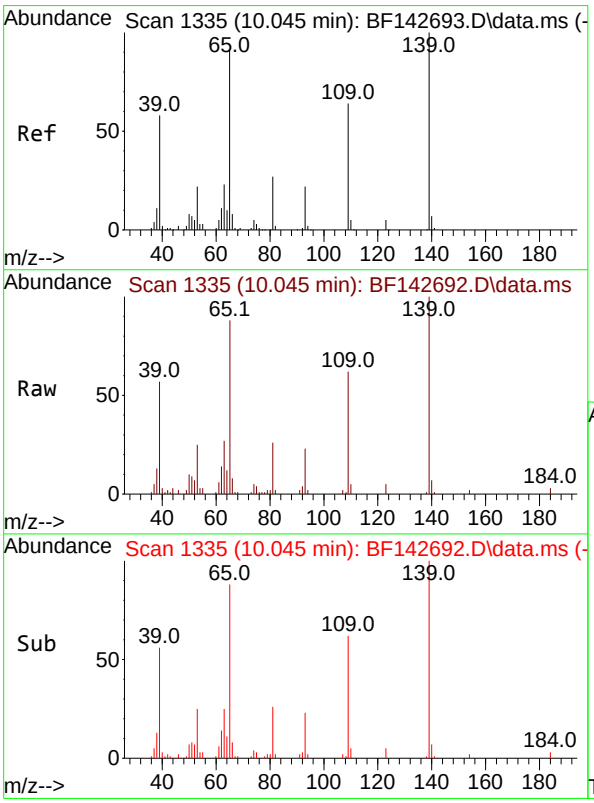
#55
Dibenzofuran
Concen: 18.358 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 331063

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.2	43.8
169	13.4	10.7	16.1

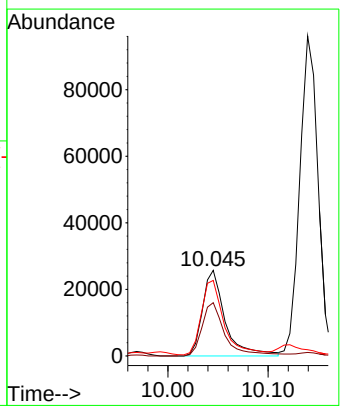


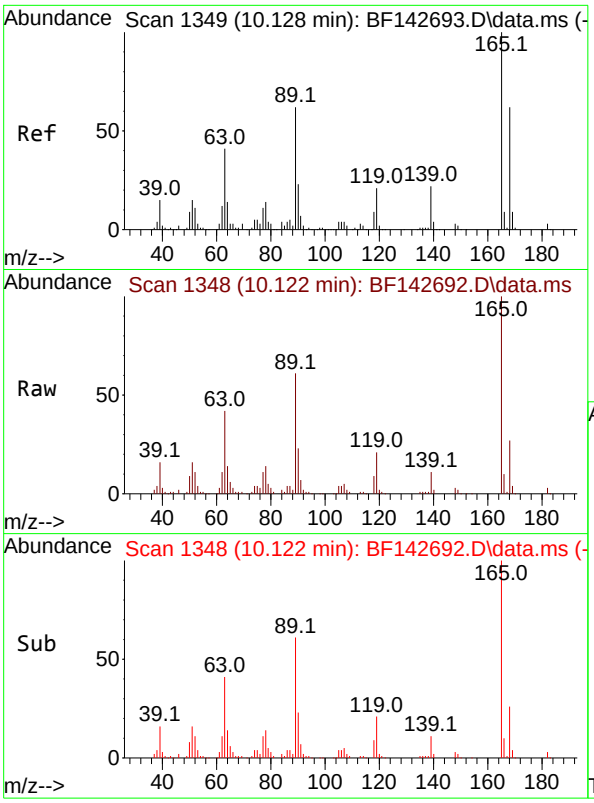


#56
4-Nitrophenol
Concen: 16.927 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:139 Resp: 40491

Ion	Ratio	Lower	Upper
139	100		
109	62.3	44.4	84.4
65	88.2	72.1	112.1



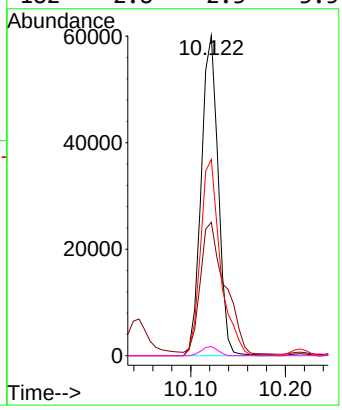


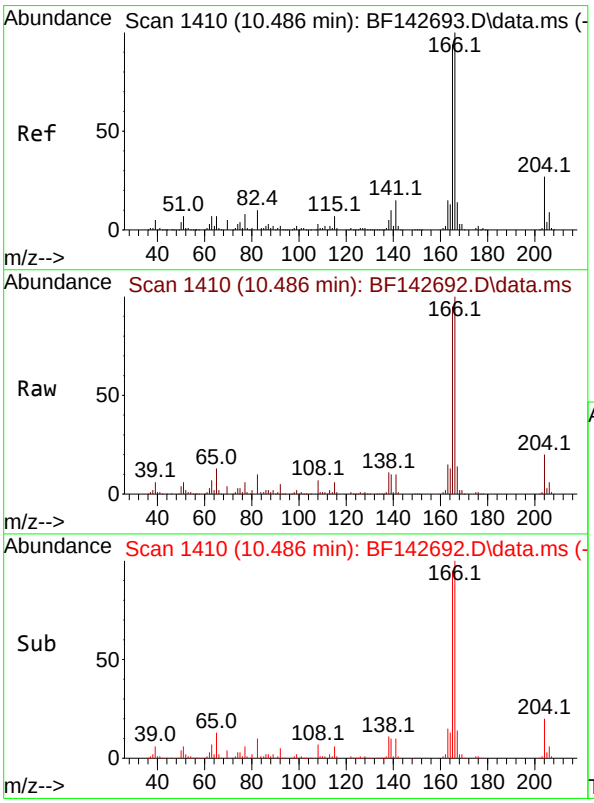
#57
2,4-Dinitrotoluene
Concen: 18.073 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 75034

Ion	Ratio	Lower	Upper
165	100		
63	41.7	33.6	50.4
89	61.3	49.4	74.0
182	2.8	2.3	3.5

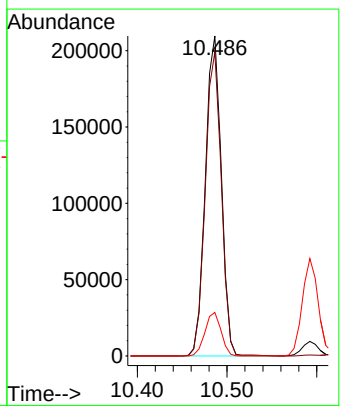


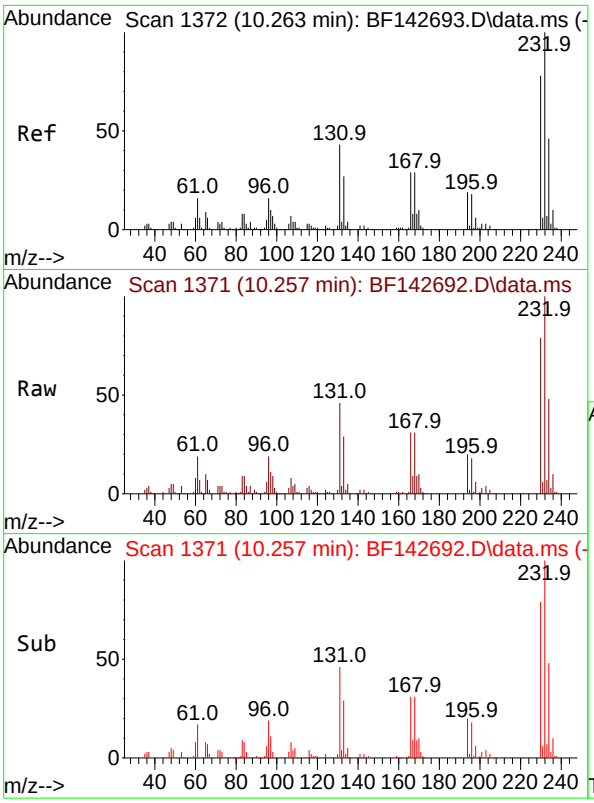


#58
Fluorene
Concen: 17.976 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:166 Resp: 259108

Ion	Ratio	Lower	Upper
166	100		
165	94.9	75.0	112.6
167	13.6	10.8	16.2



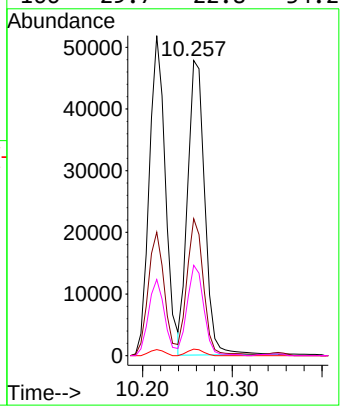


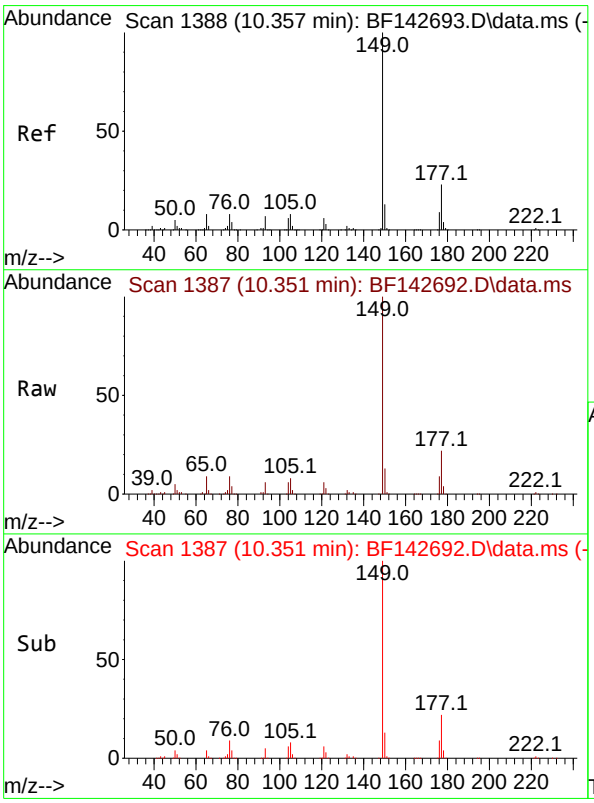
#59
2,3,4,6-Tetrachlorophenol
Concen: 17.448 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 63281

Ion	Ratio	Lower	Upper
232	100		
131	45.1	33.5	50.3
130	2.1	1.5	2.3
166	29.7	22.8	34.2

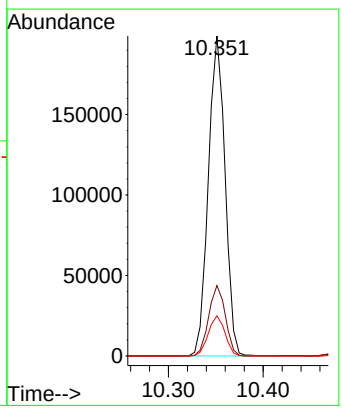


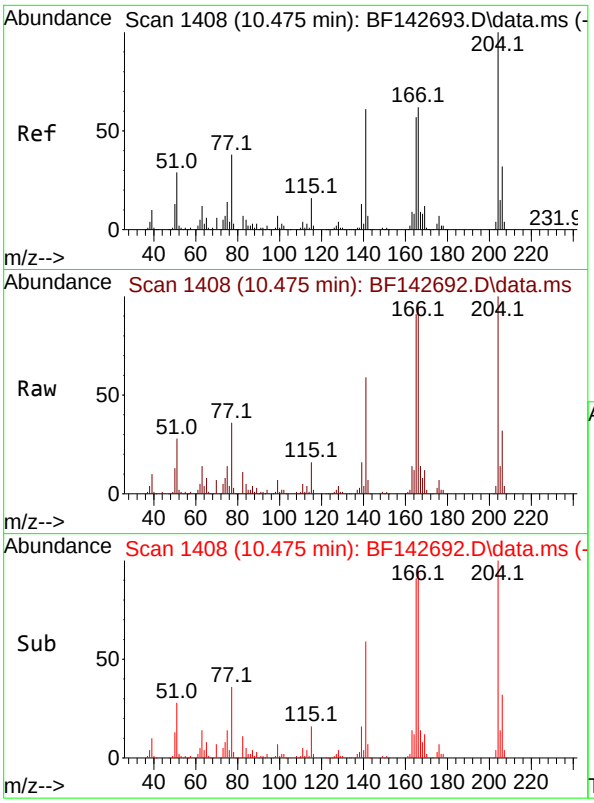


#60
Diethylphthalate
Concen: 17.485 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 243045

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.0	27.0
150	12.6	10.0	15.0



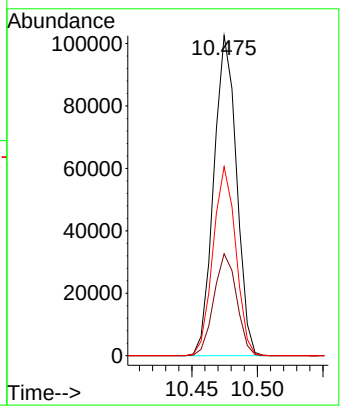


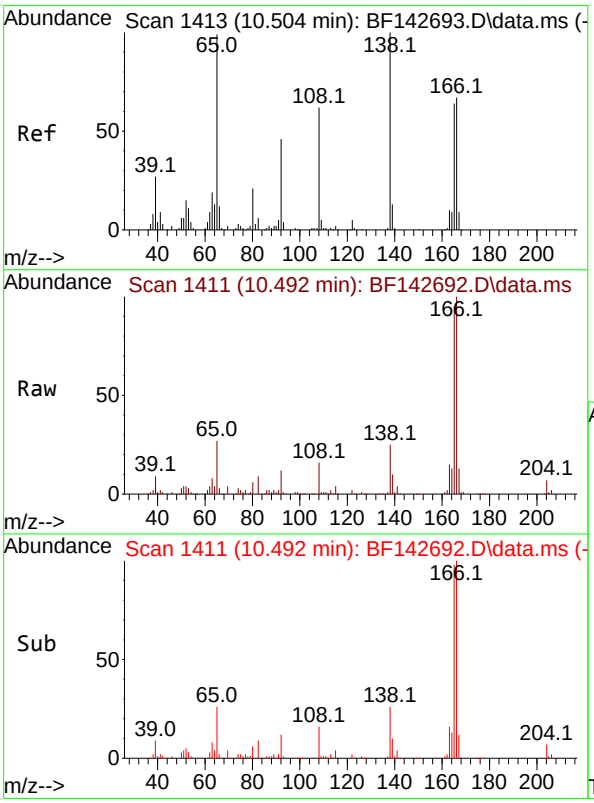
#61
4-Chlorophenyl-phenylether
Concen: 18.110 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 123423

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.6	38.4
141	59.1	48.9	73.3

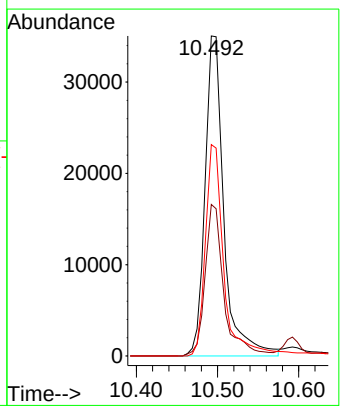


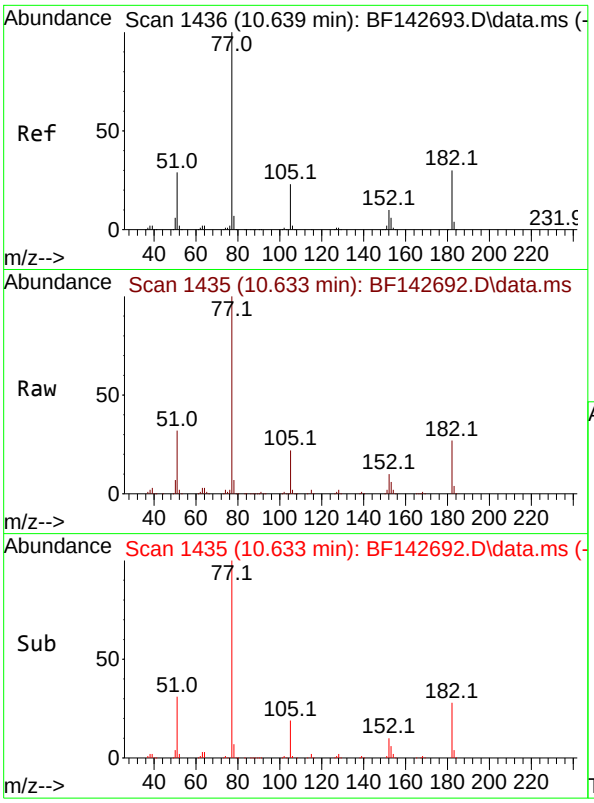


#62
4-Nitroaniline
Concen: 17.125 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:138 Resp: 56537

Ion	Ratio	Lower	Upper
138	100		
92	47.4	25.8	65.8
108	66.0	42.3	82.3



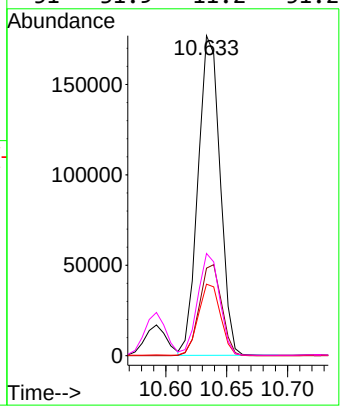


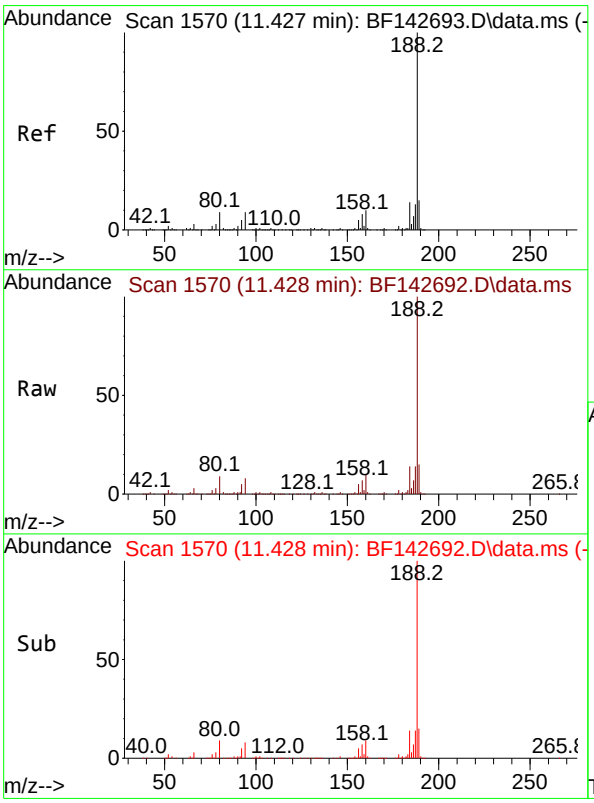
#63
Azobenzene
Concen: 17.836 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 222084

Ion	Ratio	Lower	Upper
77	100		
182	27.3	9.5	49.5
105	22.4	2.3	42.3
51	31.9	11.2	51.2

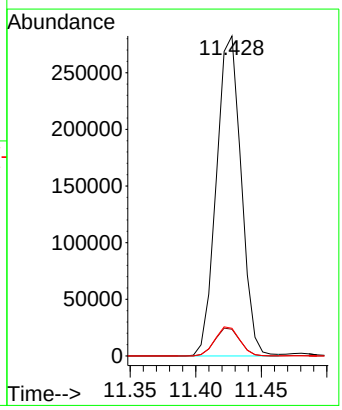


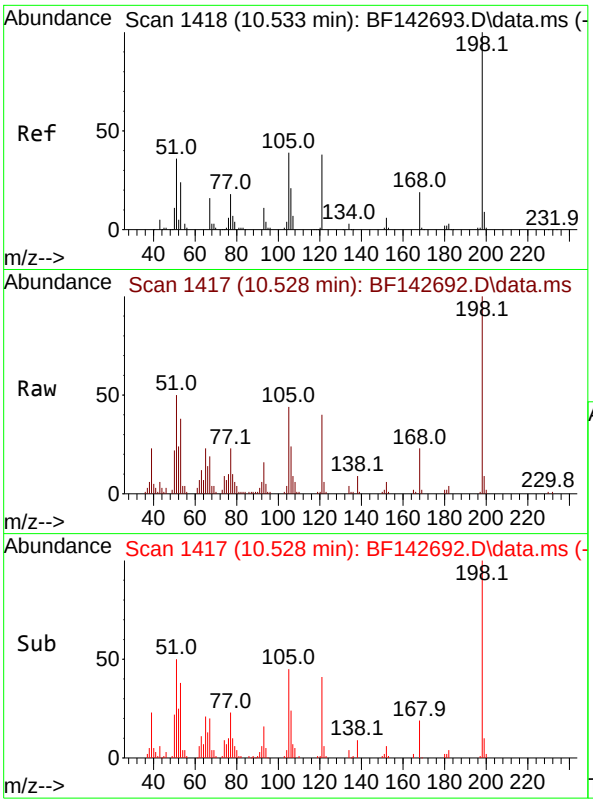


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:188 Resp: 371414

Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.4
80	8.7	7.2	10.8



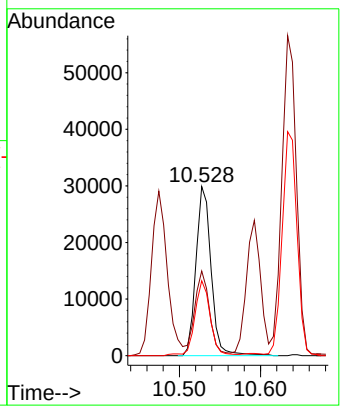


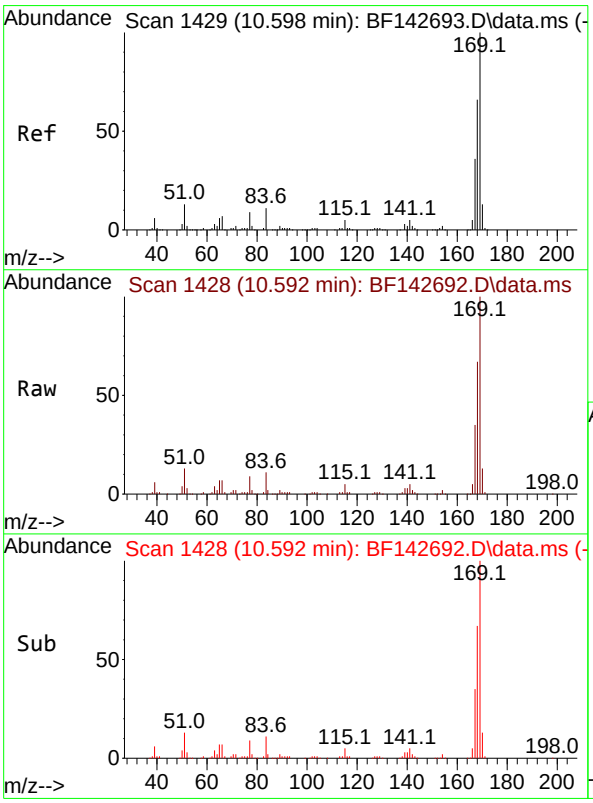
#65
4,6-Dinitro-2-methylphenol
Concen: 16.427 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 38913

Ion	Ratio	Lower	Upper
198	100		
51	50.0	25.9	65.9
105	44.3	20.0	60.0

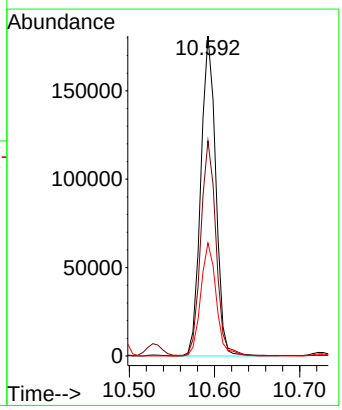


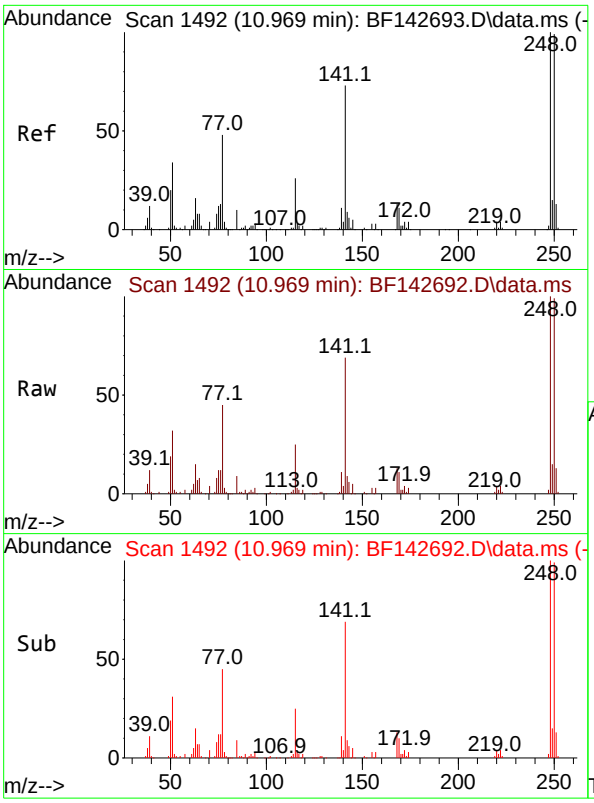


#66
n-Nitrosodiphenylamine
Concen: 18.424 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:169 Resp: 220938

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.1	79.7
167	35.3	28.4	42.6



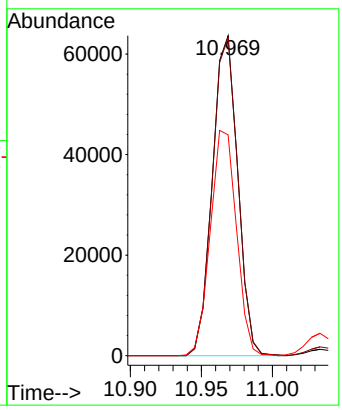


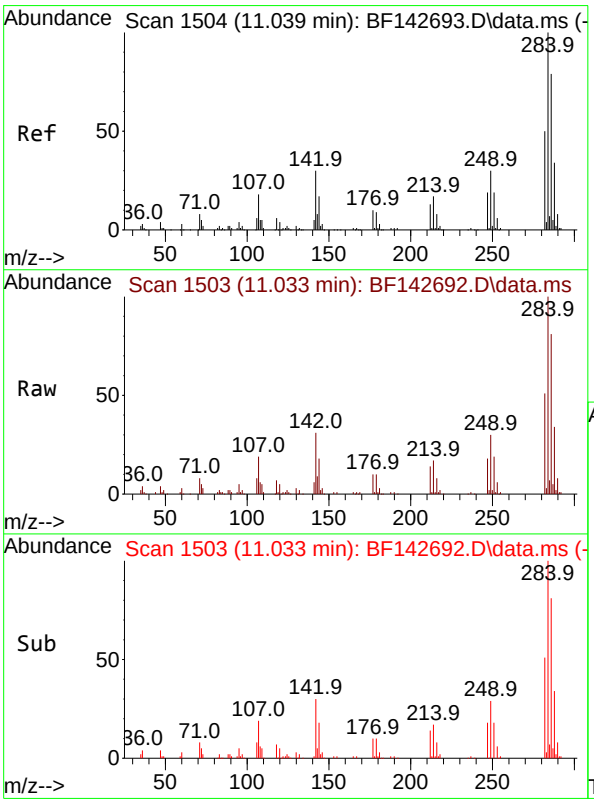
#67
4-Bromophenyl-phenylether
Concen: 19.264 ng
RT: 10.969 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 79084

Ion	Ratio	Lower	Upper
248	100		
250	99.5	79.1	118.7
141	69.0	58.5	87.7

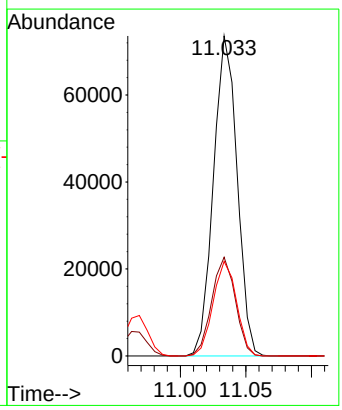


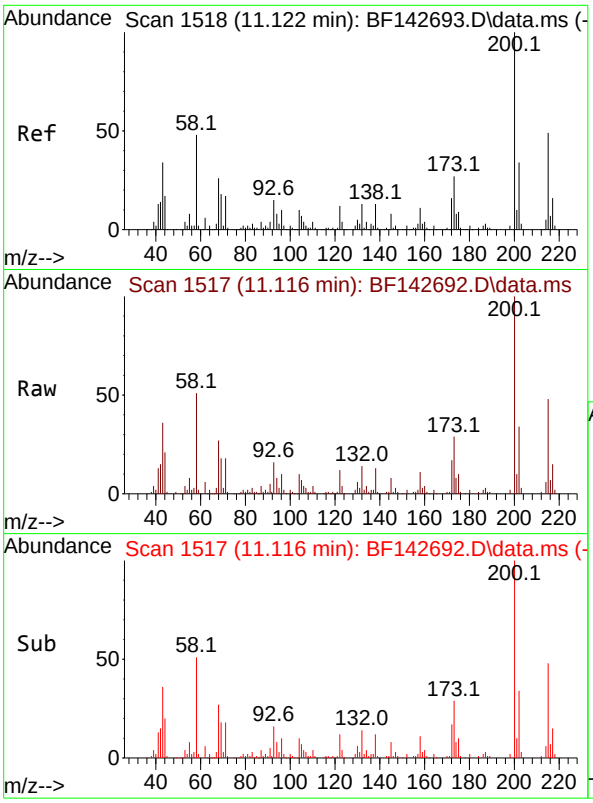


#68
Hexachlorobenzene
Concen: 19.548 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:284 Resp: 92210

Ion	Ratio	Lower	Upper
284	100		
142	30.9	23.6	35.4
249	29.6	23.8	35.8



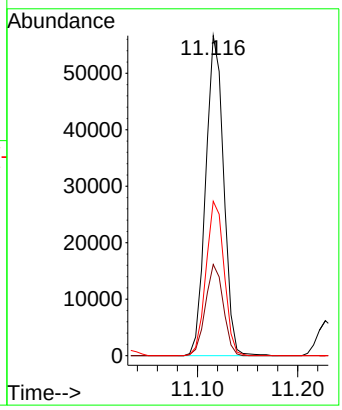


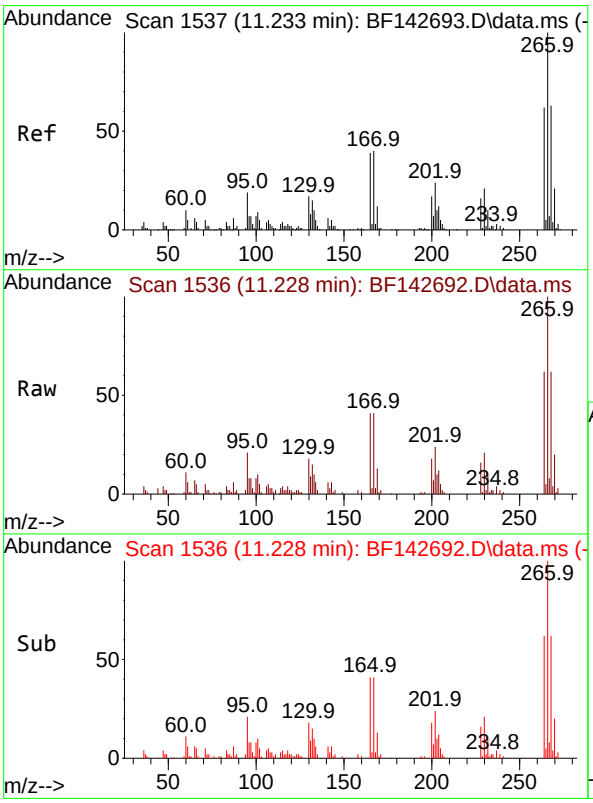
#69
Atrazine
Concen: 19.420 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 70625

Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.4	47.4
215	48.2	28.9	68.9

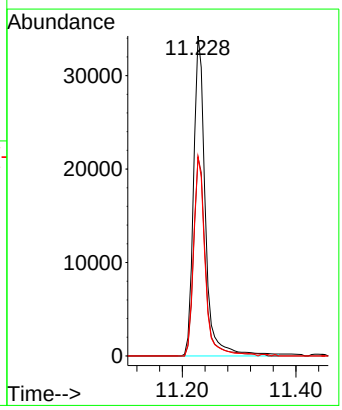


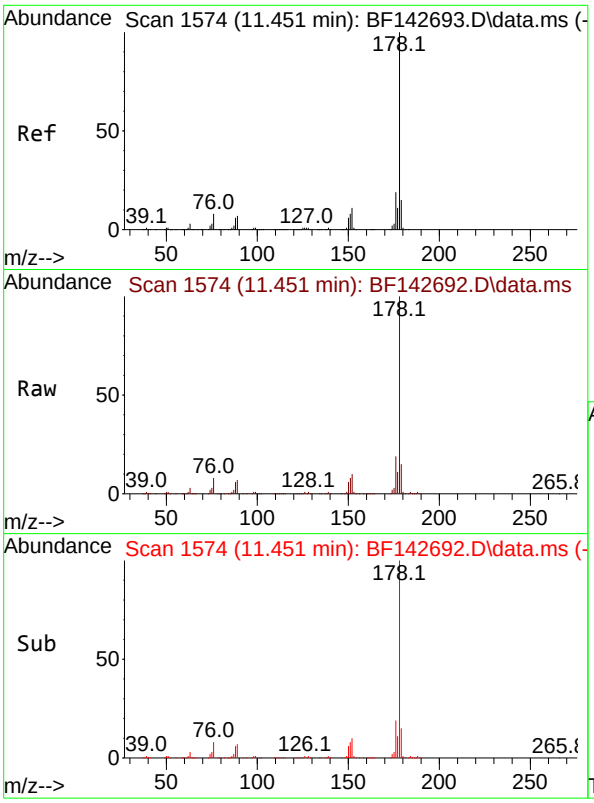


#70
Pentachlorophenol
Concen: 19.104 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:266 Resp: 49559

Ion	Ratio	Lower	Upper
266	100		
268	62.1	50.8	76.2
264	62.3	49.7	74.5



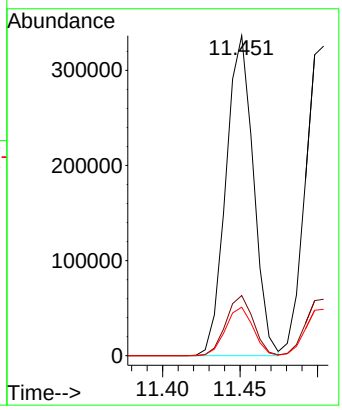


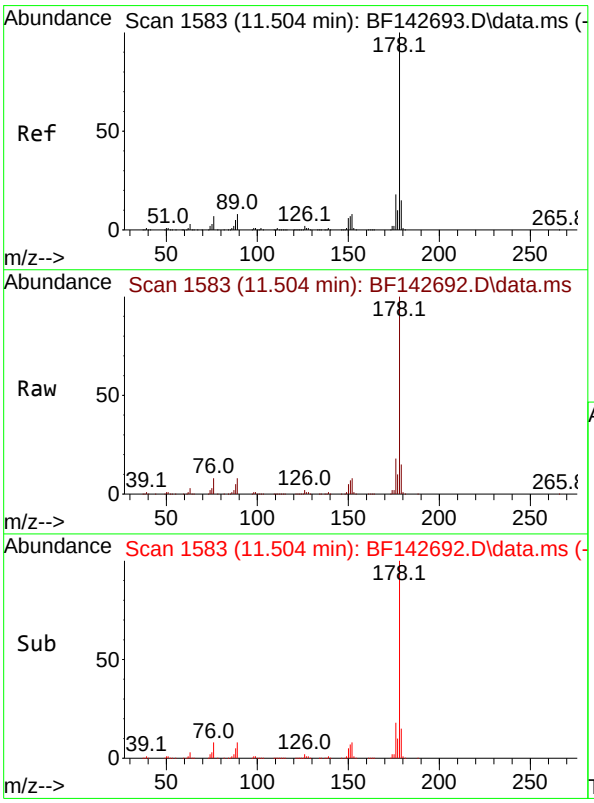
#71
Phenanthrene
Concen: 20.909 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 415156

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.1	12.4	18.6

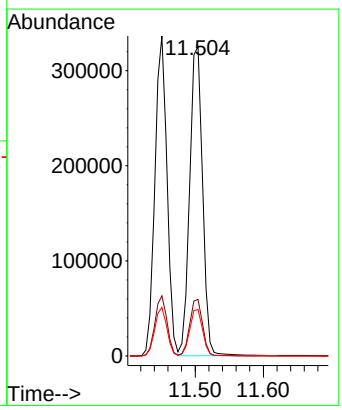


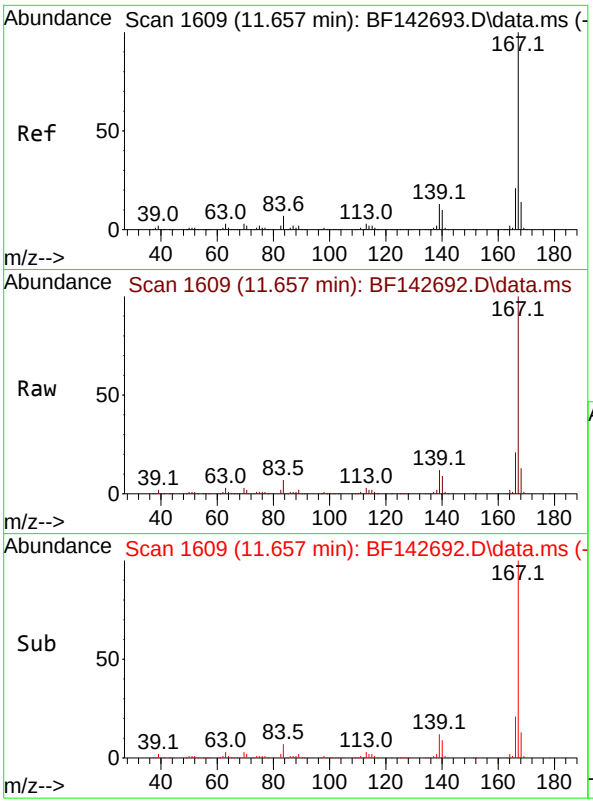


#72
Anthracene
Concen: 20.634 ng
RT: 11.504 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:178 Resp: 425173

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.0	12.2	18.2



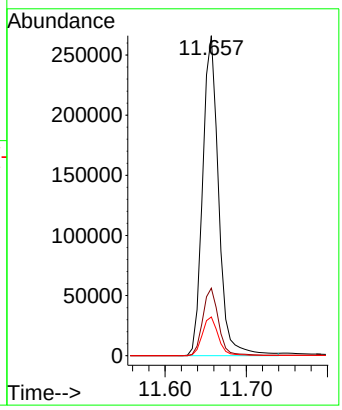


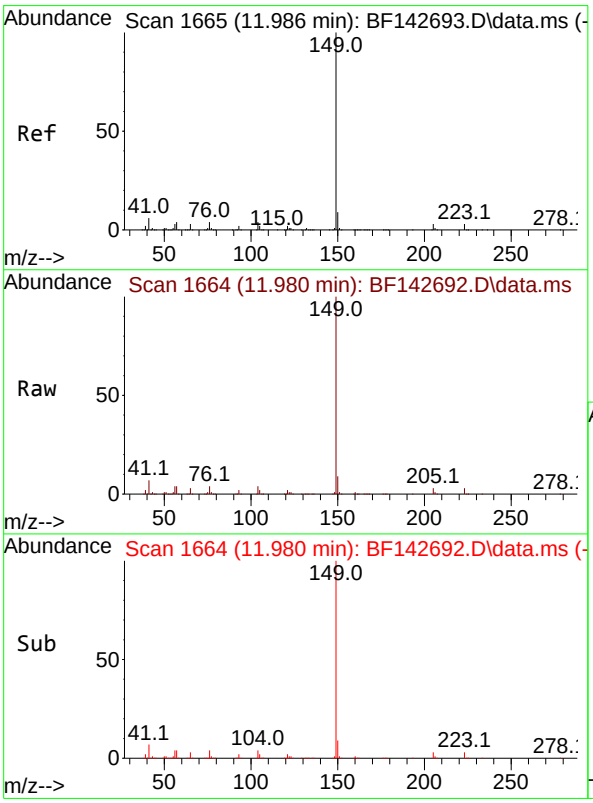
#73
Carbazole
Concen: 19.580 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 363297

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.1	10.1	15.1

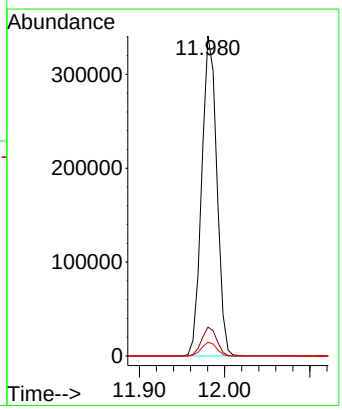


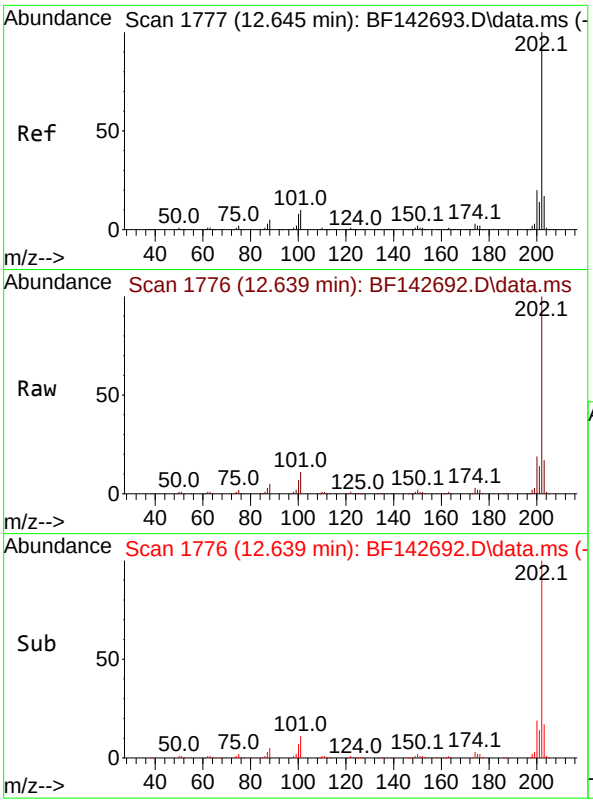


#74
Di-n-butylphthalate
Concen: 21.302 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 419608

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.3	3.3	4.9



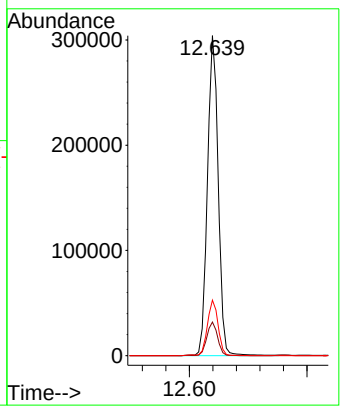


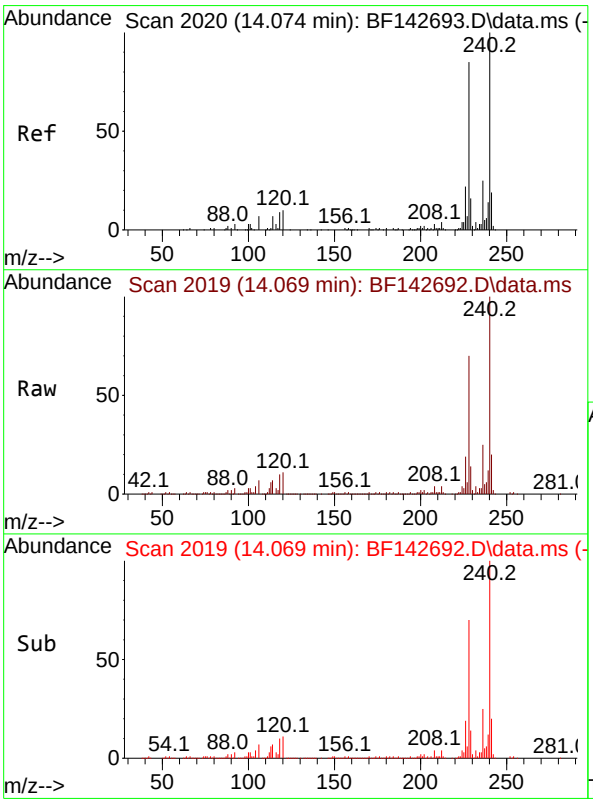
#75
Fluoranthene
Concen: 19.501 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 387964

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.2
203	17.4	0.0	37.3

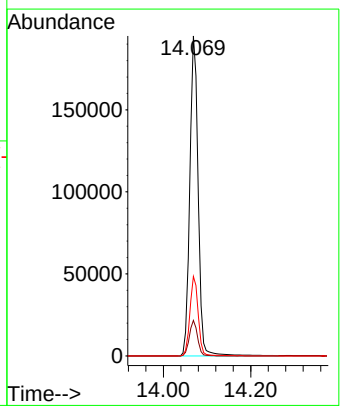


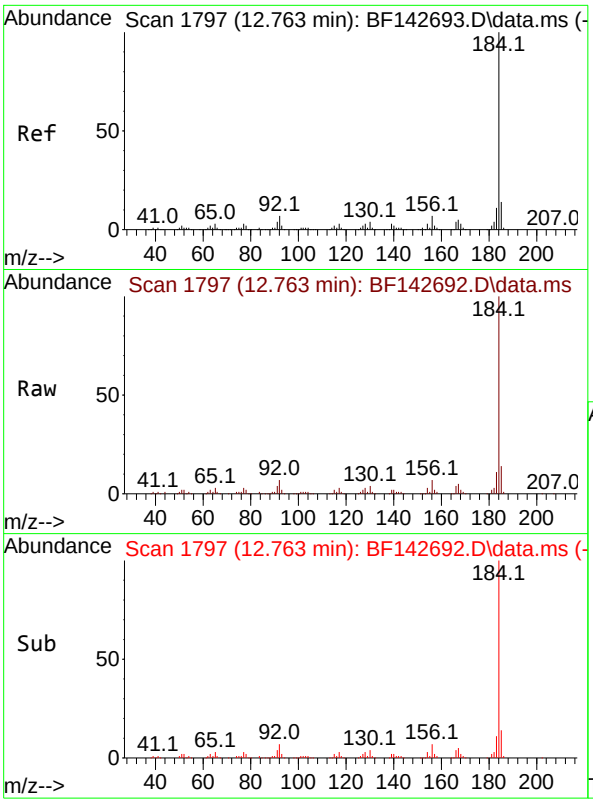


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:240 Resp: 259086

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.4	12.6
236	24.9	20.2	30.2



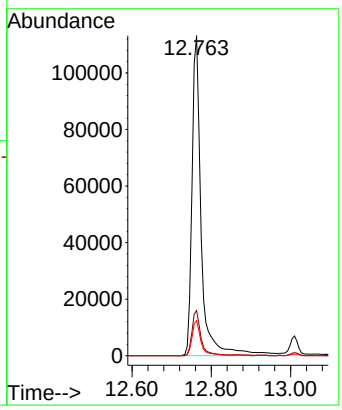


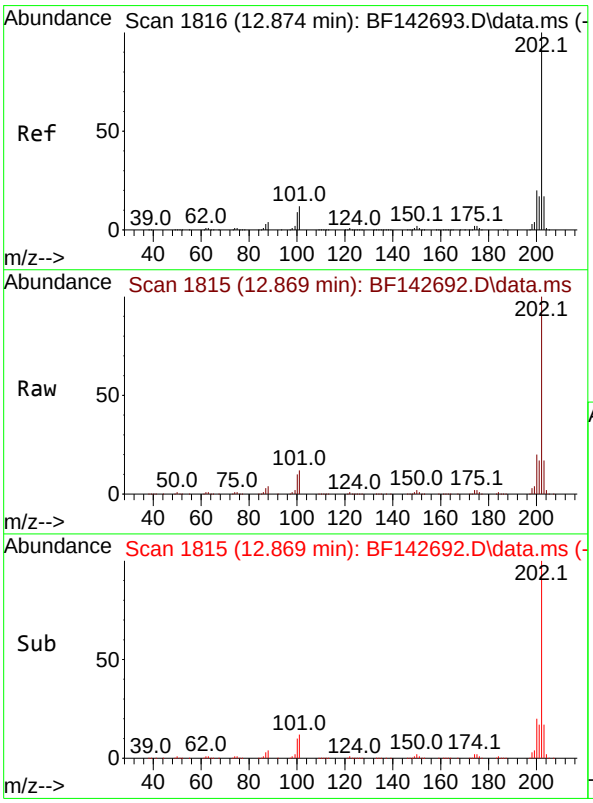
#77
Benzidine
Concen: 20.650 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 184649

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.0	8.9	13.3

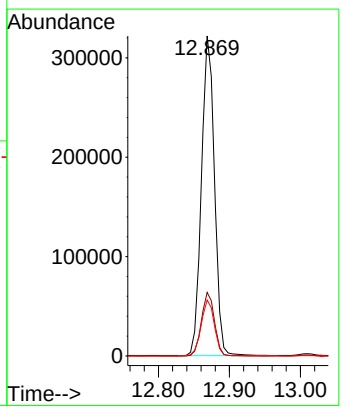


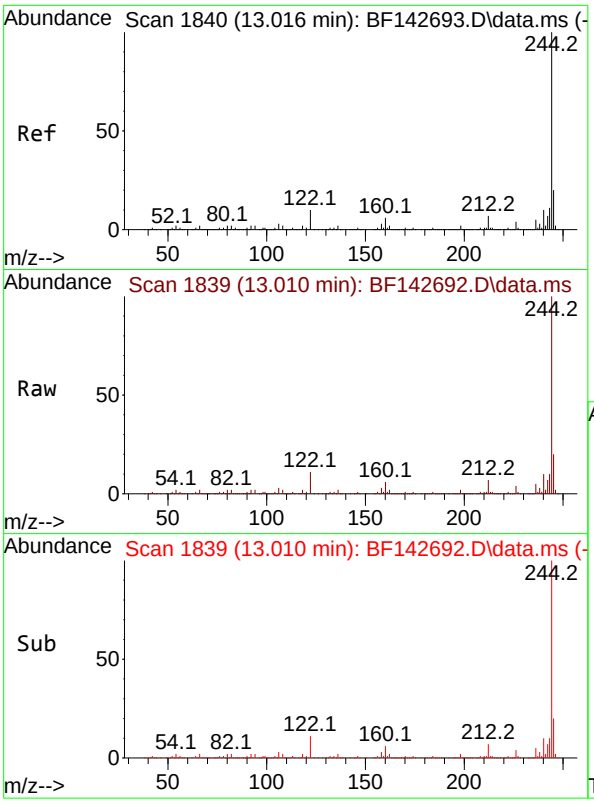


#78
Pyrene
Concen: 19.491 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:202 Resp: 411487

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	17.5	13.9	20.9



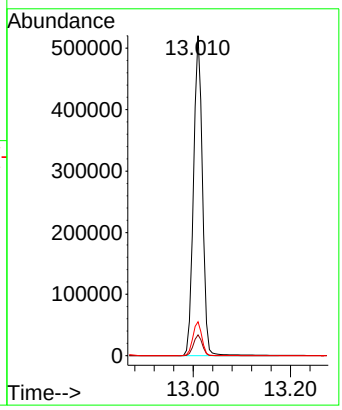


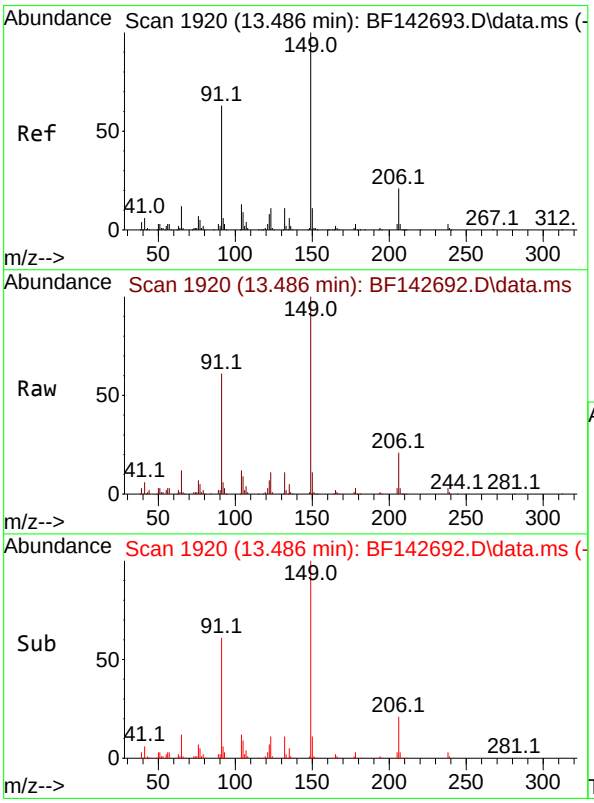
#79
Terphenyl-d14
Concen: 40.773 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 667945

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.6	8.2	12.2

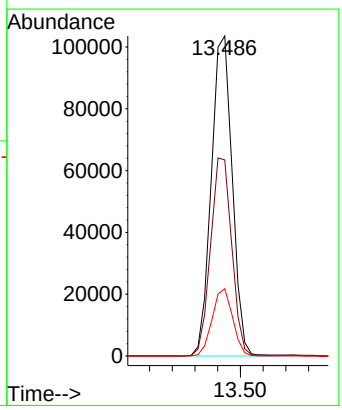


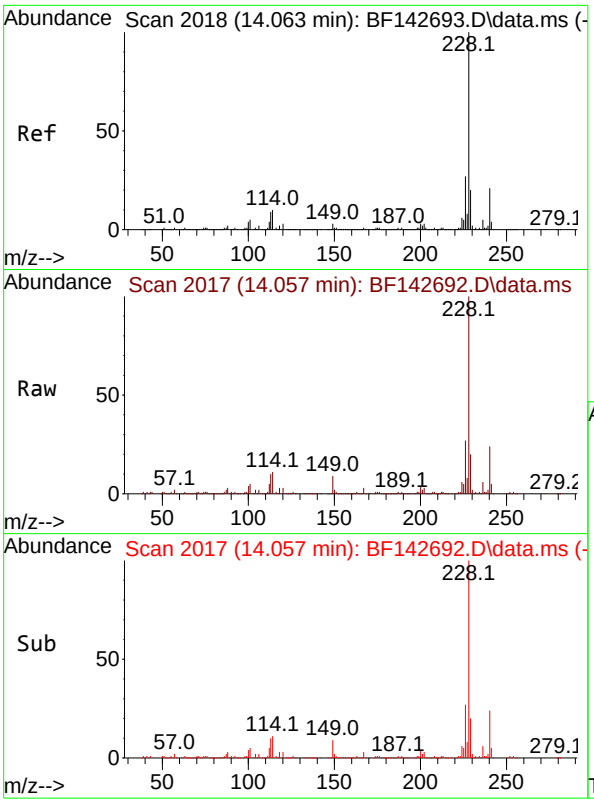


#80
Butylbenzylphthalate
Concen: 20.441 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 132895

Ion	Ratio	Lower	Upper
149	100		
91	61.3	50.5	75.7
206	21.0	16.9	25.3



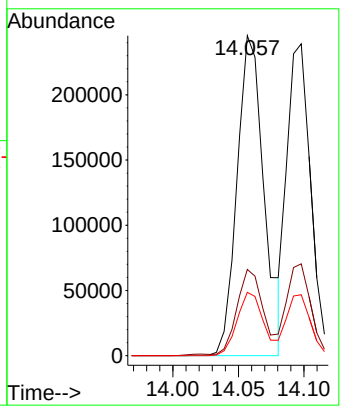


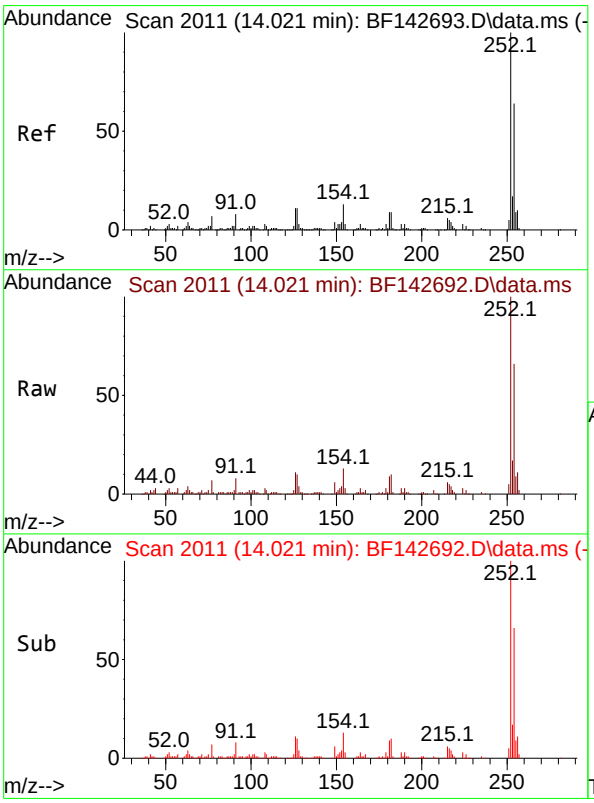
#81
Benzo(a)anthracene
Concen: 20.893 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 351303

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.8	15.8	23.6

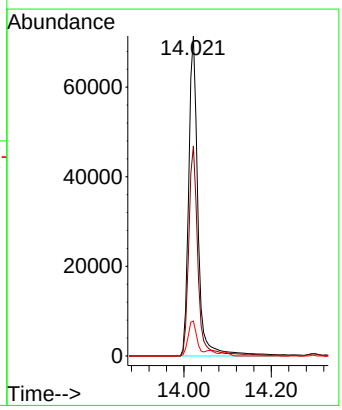


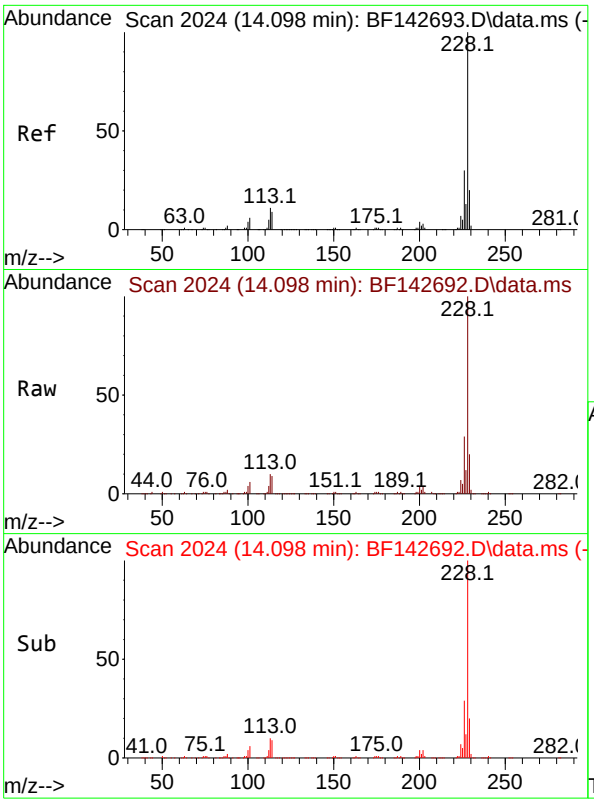


#82
3,3'-Dichlorobenzidine
Concen: 19.626 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 105486

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.4	77.2
126	10.9	9.1	13.7



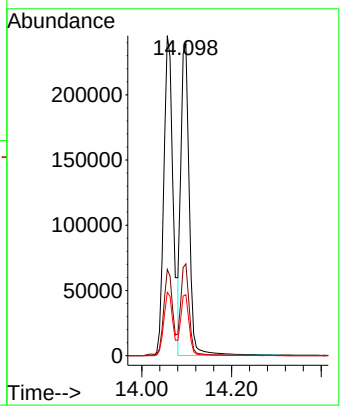


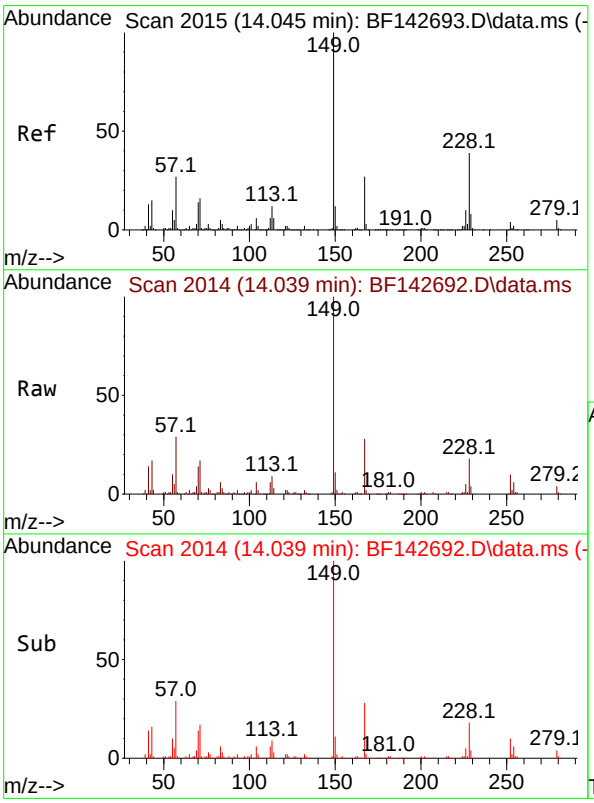
#83
Chrysene
Concen: 19.461 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 309949

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.8
229	19.6	15.8	23.6

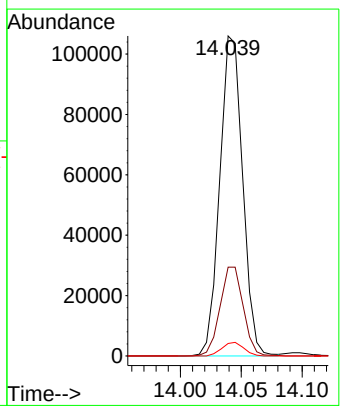


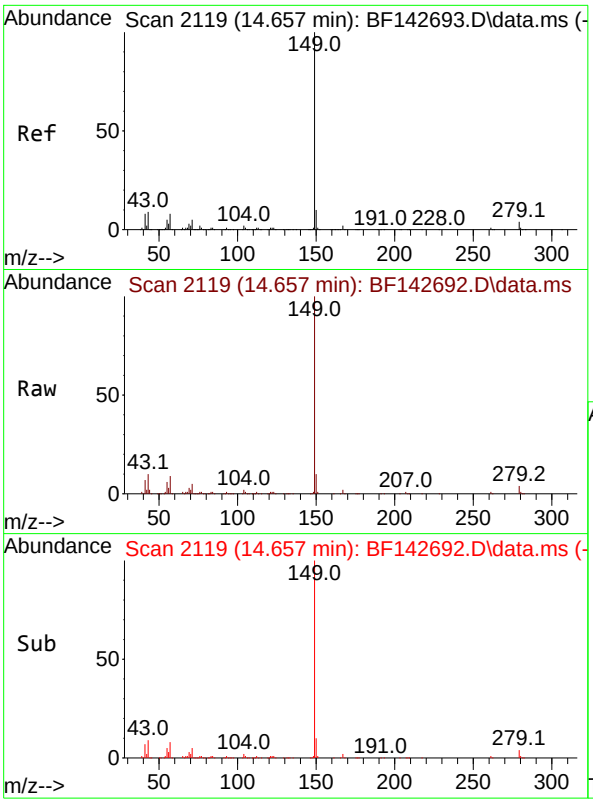


#84
Bis(2-ethylhexyl)phthalate
Concen: 18.690 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:149 Resp: 138732

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.9	32.9
279	3.9	3.6	5.4



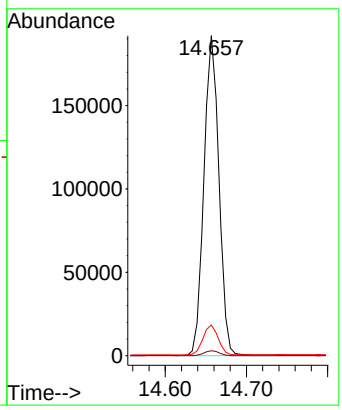


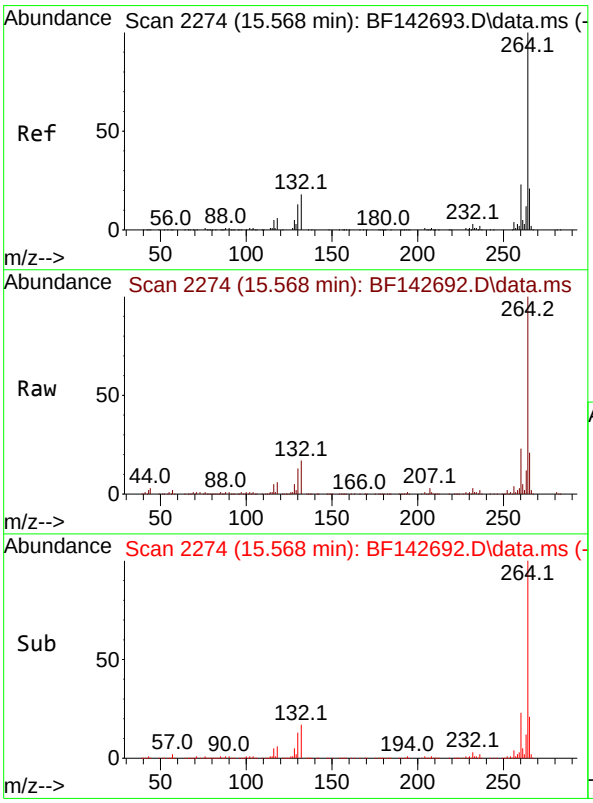
#85
Di-n-octyl phthalate
Concen: 17.085 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 246651

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.4	7.5	11.3

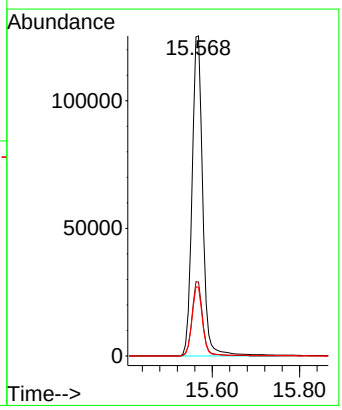


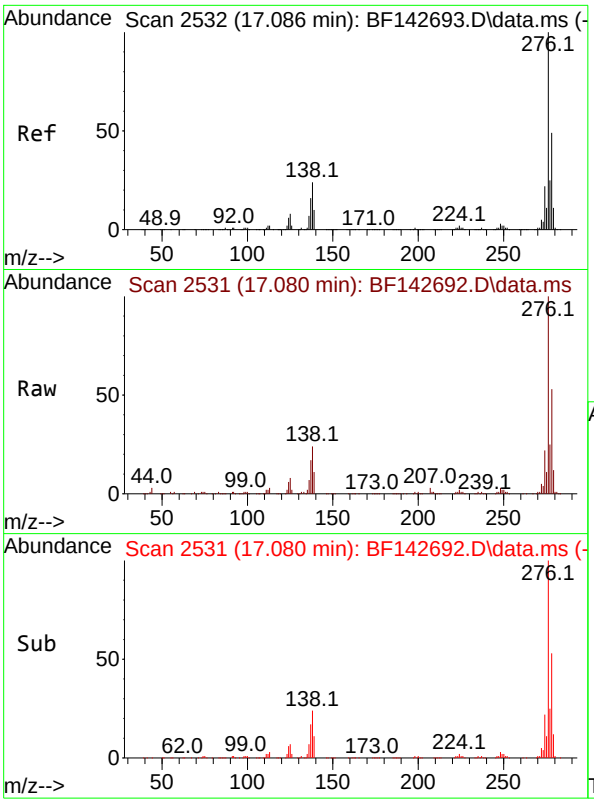


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.000 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:264 Resp: 213990

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.0	25.4



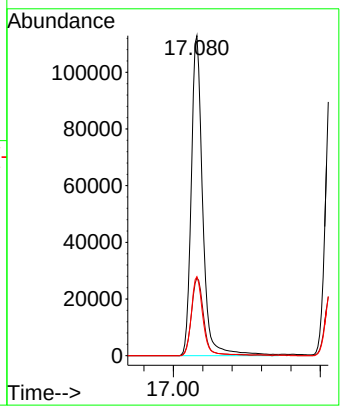


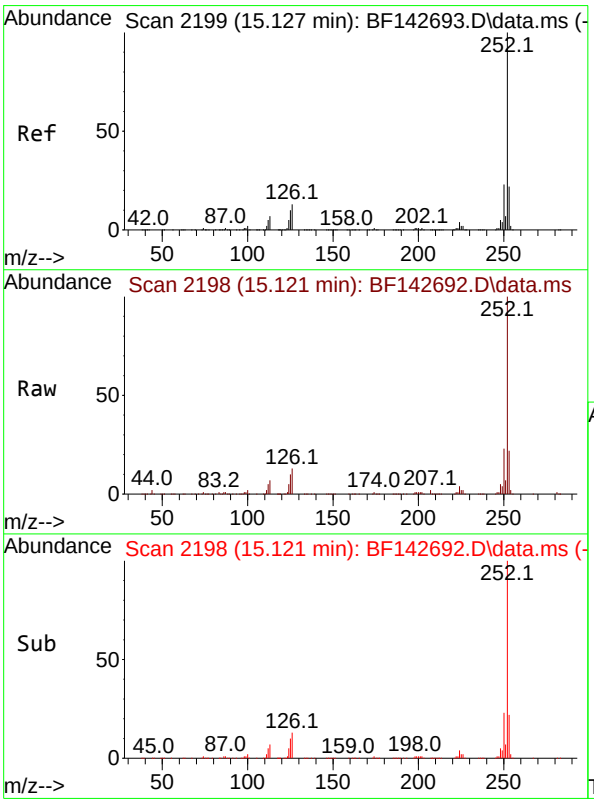
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 305204

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.8	31.2
277	24.9	20.2	30.2

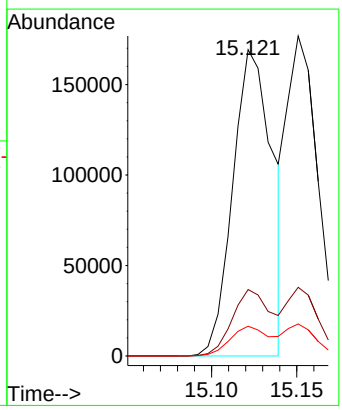


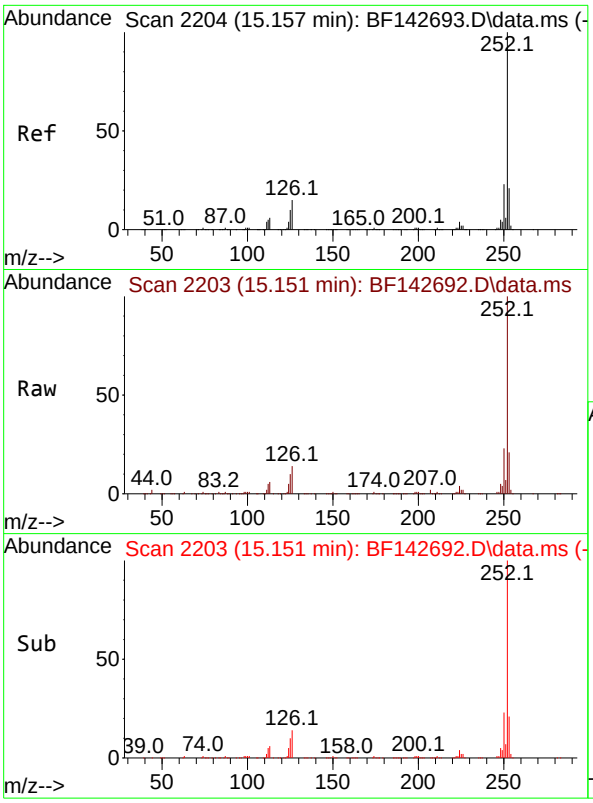


#88
Benzo(b)fluoranthene
Concen: 21.371 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 273218

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.7	7.8	11.8



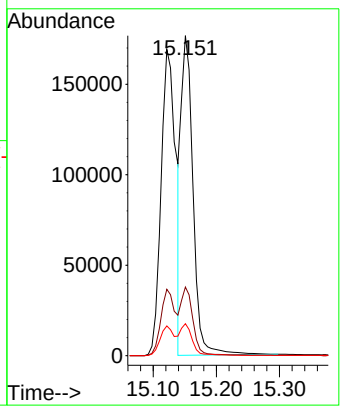


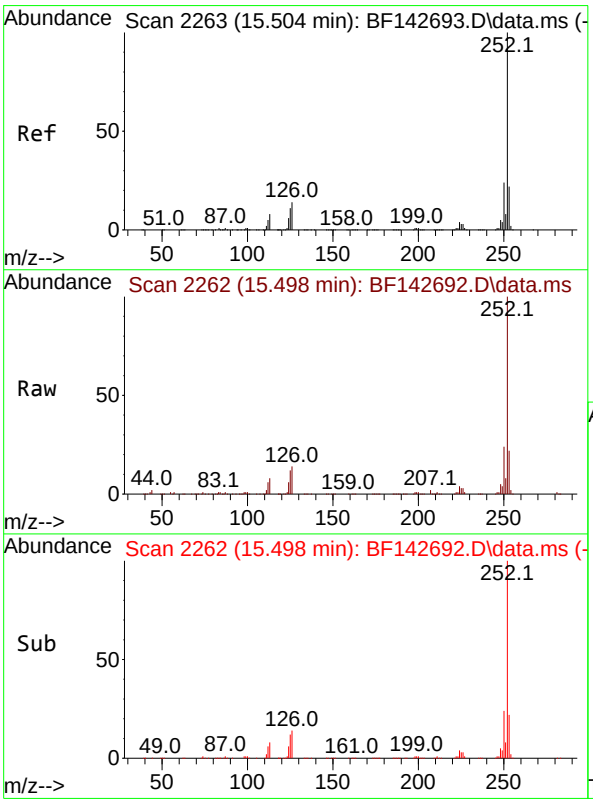
#89
Benzo(k)fluoranthene
Concen: 19.417 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 233601

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	10.0	7.7	11.5

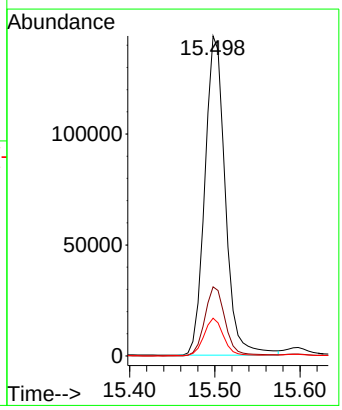


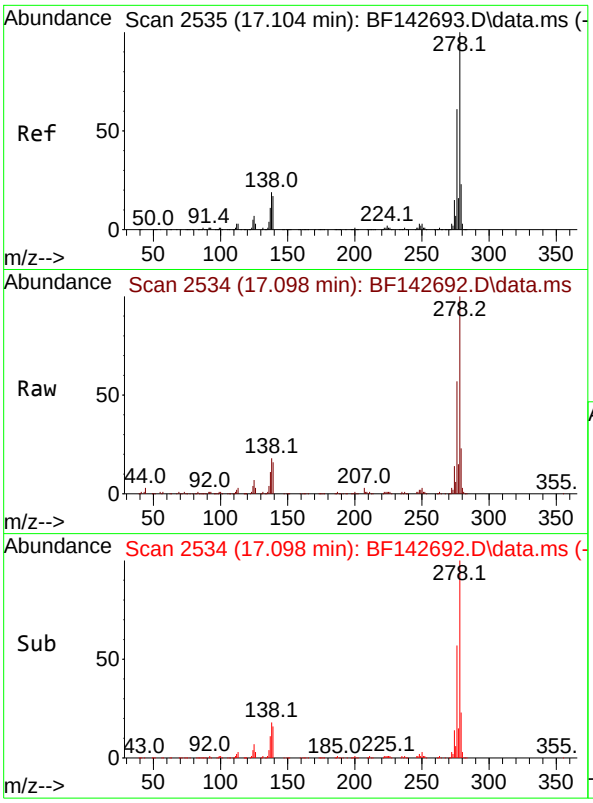


#90
Benzo(a)pyrene
Concen: 20.004 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:252 Resp: 239654

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	11.8	8.8	13.2



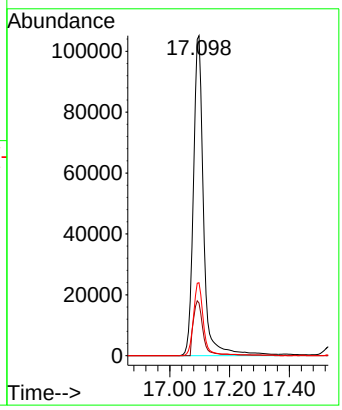


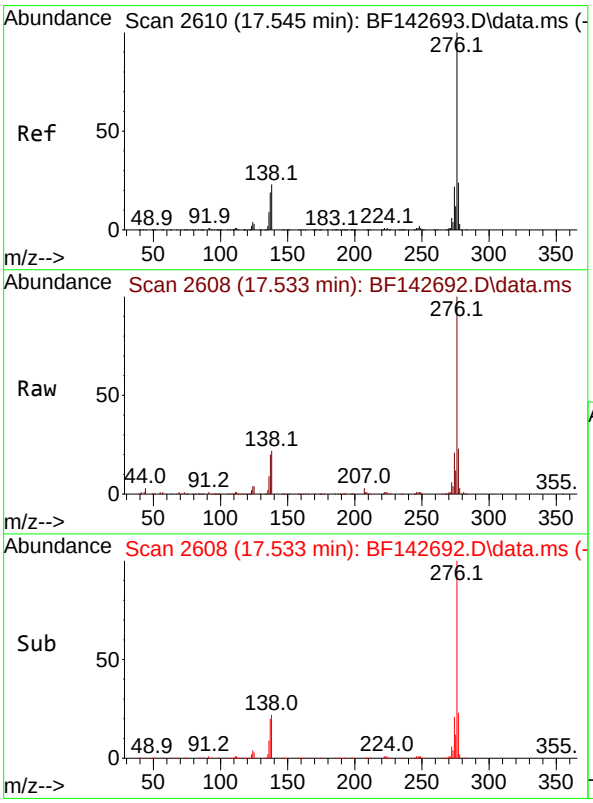
#91
Dibenzo(a,h)anthracene
Concen: 20.432 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 248970

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.4	20.0
279	22.8	18.7	28.1

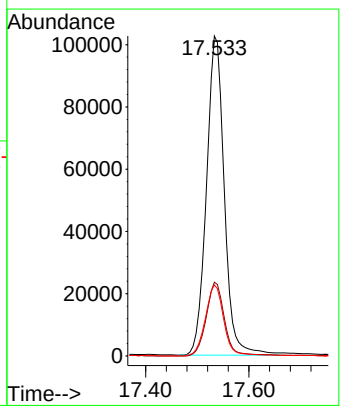




#92
Benzo(g,h,i)perylene
Concen: 19.493 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF142692.D
Acq: 09 Jun 2025 14:36

Tgt Ion:276 Resp: 245955

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	22.2	18.2	27.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142703.D
Acq On : 10 Jun 2025 10:37
Operator : RC/JU
Sample : PB168351BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Quant Time: Jun 10 11:44:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	87982	20.000	ng		0.00
21) Naphthalene-d8	8.181	136	355357	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	234579	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	361738	20.000	ng		0.00
76) Chrysene-d12	14.069	240	224252	20.000	ng		0.00
86) Perylene-d12	15.563	264	175871	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	676033	130.467	ng		0.01
7) Phenol-d6	6.528	99	835368	137.473	ng		0.00
23) Nitrobenzene-d5	7.463	82	527705	81.611	ng		0.00
42) 2,4,6-Tribromophenol	10.734	330	323021	122.564	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1342901	78.290	ng		0.00
79) Terphenyl-d14	13.010	244	1287648	90.810	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.775	88	87340	44.017	ng		99
3) Pyridine	3.528	79	228082	44.569	ng		99
4) n-Nitrosodimethylamine	3.487	42	121943	48.958	ng		97
6) Aniline	6.557	93	281030	34.447	ng		95
8) 2-Chlorophenol	6.681	128	280377	49.595	ng		99
9) Benzaldehyde	6.446	77	138592	40.457	ng		99
10) Phenol	6.540	94	329818	48.470	ng		98
11) bis(2-Chloroethyl)ether	6.628	93	246646	49.755	ng		99
12) 1,3-Dichlorobenzene	6.834	146	303713	47.970	ng		98
13) 1,4-Dichlorobenzene	6.910	146	304840	47.090	ng		98
14) 1,2-Dichlorobenzene	7.063	146	295932	47.944	ng		98
15) Benzyl Alcohol	7.034	79	225996	50.843	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	381914	47.312	ng		97
17) 2-Methylphenol	7.151	107	218778	50.468	ng		96
18) Hexachloroethane	7.404	117	109093	49.052	ng		96
19) n-Nitroso-di-n-propyla...	7.310	70	181530	50.962	ng		100
20) 3+4-Methylphenols	7.304	107	268521	50.296	ng	#	89
22) Acetophenone	7.304	105	362815	46.706	ng		100
24) Nitrobenzene	7.481	77	271715	46.595	ng		100
25) Isophorone	7.716	82	502522	47.902	ng		100
26) 2-Nitrophenol	7.793	139	156091	48.526	ng		96
27) 2,4-Dimethylphenol	7.834	122	263805	48.256	ng		98
28) bis(2-Chloroethoxy)met...	7.928	93	313108	47.586	ng		99
29) 2,4-Dichlorophenol	8.040	162	243384	48.597	ng		100
30) 1,2,4-Trichlorobenzene	8.122	180	259339	47.473	ng		99
31) Naphthalene	8.204	128	835495	47.713	ng		99
32) Benzoic acid	7.957	122	162235	48.937	ng		99
33) 4-Chloroaniline	8.245	127	146610	20.365	ng		99
34) Hexachlorobutadiene	8.316	225	164295	48.832	ng		98
35) Caprolactam	8.622	113	42688	27.751	ng		97
36) 4-Chloro-3-methylphenol	8.734	107	265547	51.403	ng		98
37) 2-Methylnaphthalene	8.892	142	552683	50.160	ng		99
38) 1-Methylnaphthalene	8.992	142	575999	50.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	284698	41.996	ng		99
41) Hexachlorocyclopentadiene	9.045	237	368013	92.441	ng		99
43) 2,4,6-Trichlorophenol	9.175	196	202651	45.558	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142703.D
Acq On : 10 Jun 2025 10:37
Operator : RC/JU
Sample : PB168351BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Quant Time: Jun 10 11:44:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration

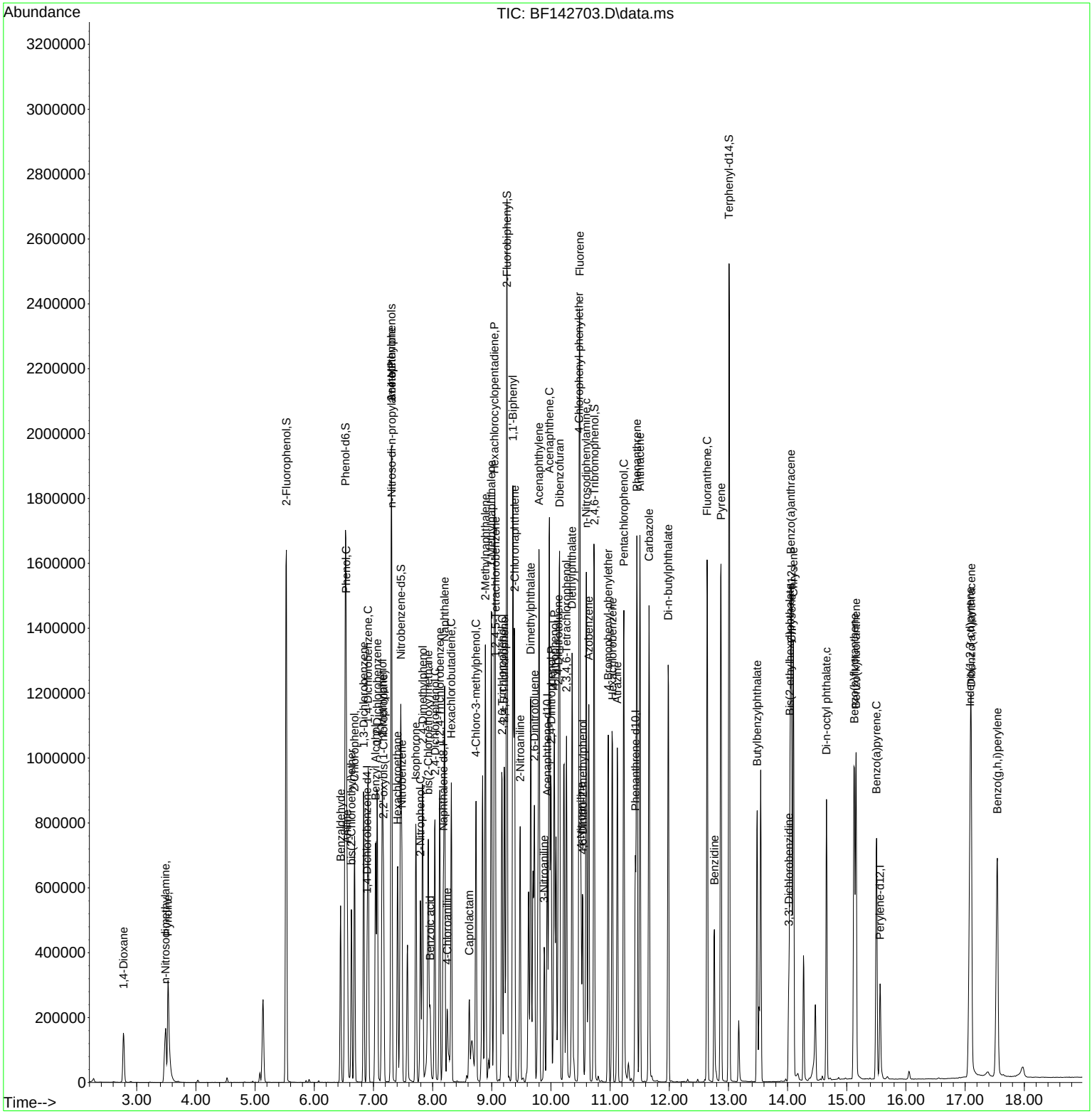
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	216883	45.649	ng	99
46) 1,1'-Biphenyl	9.357	154	842922	46.211	ng	100
47) 2-Chloronaphthalene	9.387	162	628659	45.997	ng	100
48) 2-Nitroaniline	9.481	65	190828	46.920	ng	100
49) Acenaphthylene	9.798	152	1066877	47.099	ng	100
50) Dimethylphthalate	9.657	163	755695	47.881	ng	100
51) 2,6-Dinitrotoluene	9.722	165	168310	49.298	ng	100
52) Acenaphthene	9.975	154	710194	51.253	ng	100
53) 3-Nitroaniline	9.887	138	104535	27.249	ng	99
54) 2,4-Dinitrophenol	10.004	184	208671	110.393	ng	97
55) Dibenzofuran	10.145	168	936093	47.089	ng	100
56) 4-Nitrophenol	10.057	139	293333	111.243	ng	94
57) 2,4-Dinitrotoluene	10.128	165	234351	51.208	ng	99
58) Fluorene	10.486	166	698219	43.943	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	199035	49.784	ng	100
60) Diethylphthalate	10.357	149	731481	47.740	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	351812	46.831	ng	99
62) 4-Nitroaniline	10.510	138	162018	44.521	ng	98
63) Azobenzene	10.639	77	585420	42.653	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	120572	52.260	ng	98
66) n-Nitrosodiphenylamine	10.598	169	585501	50.131	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	198868	49.738	ng	98
68) Hexachlorobenzene	11.039	284	227017	49.413	ng	98
69) Atrazine	11.122	200	186305	52.600	ng	99
70) Pentachlorophenol	11.233	266	260373	103.055	ng	99
71) Phenanthrene	11.451	178	926763	47.923	ng	100
72) Anthracene	11.504	178	954092	47.541	ng	100
73) Carbazole	11.657	167	903318	49.986	ng	100
74) Di-n-butylphthalate	11.980	149	977260	50.939	ng	100
75) Fluoranthene	12.639	202	981068	50.634	ng	98
77) Benzidine	12.763	184	288524	37.279	ng	99
78) Pyrene	12.875	202	994180	54.407	ng	100
80) Butylbenzylphthalate	13.486	149	288402	51.251	ng	100
81) Benzo(a)anthracene	14.057	228	755742	51.928	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	95297	20.485	ng	99
83) Chrysene	14.098	228	668732	48.511	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	348342	54.219	ng	99
85) Di-n-octyl phthalate	14.657	149	592340	47.404	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	789735	63.481	ng	100
88) Benzo(b)fluoranthene	15.127	252	651571	62.011	ng	99
89) Benzo(k)fluoranthene	15.157	252	589170	59.587	ng	99
90) Benzo(a)pyrene	15.504	252	492373	50.007	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	642495	64.156	ng	100
92) Benzo(g,h,i)perylene	17.545	276	644132	62.114	ng	99

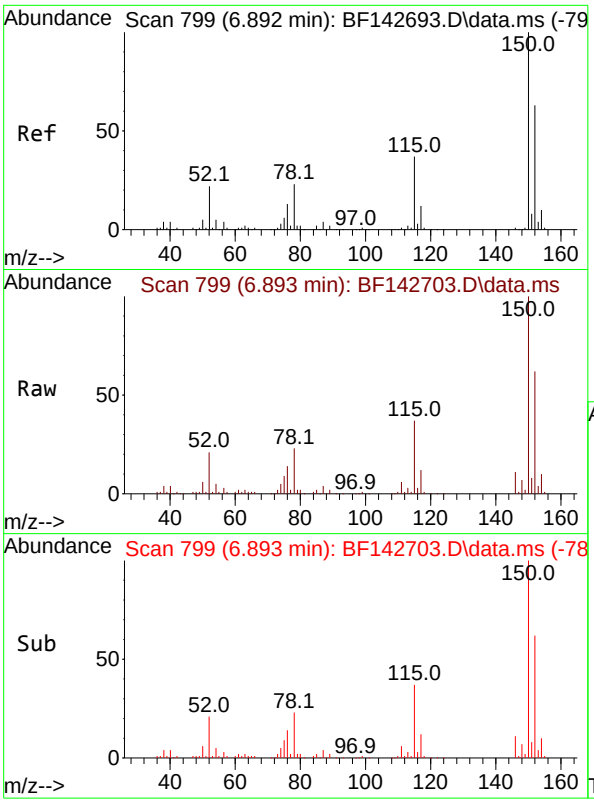
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
Data File : BF142703.D
Acq On : 10 Jun 2025 10:37
Operator : RC/JU
Sample : PB168351BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Quant Time: Jun 10 11:44:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 18:21:22 2025
Response via : Initial Calibration



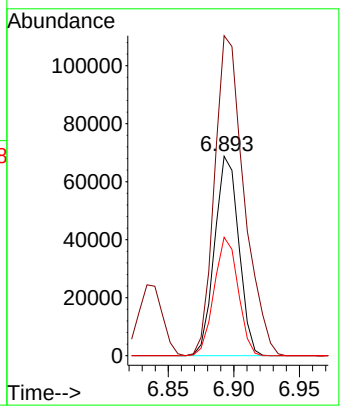


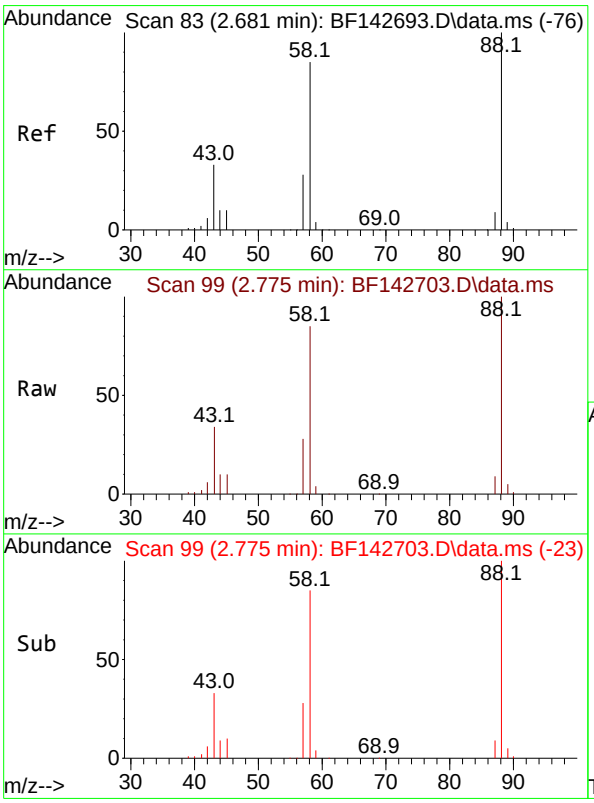
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:152 Resp: 87982

Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.8	190.2
115	59.4	46.8	70.2

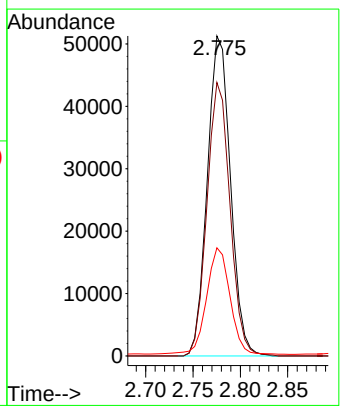


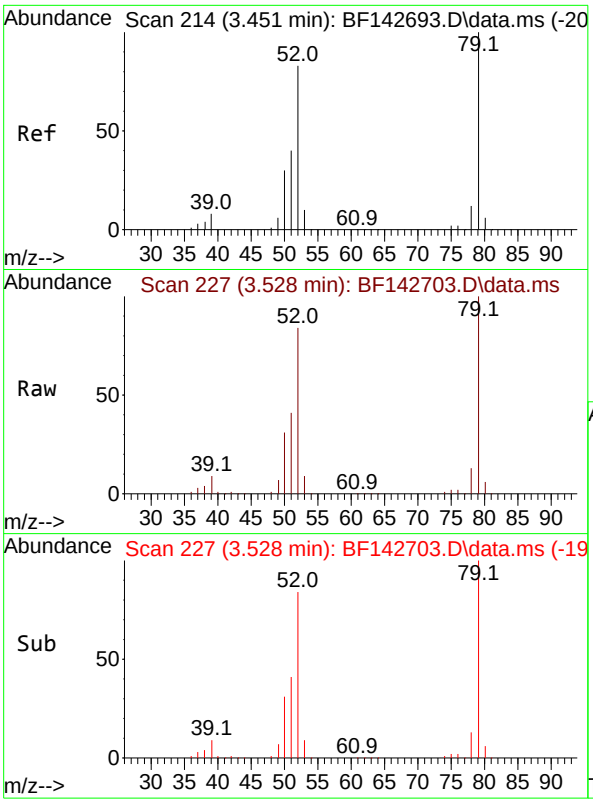


#2
1,4-Dioxane
Concen: 44.017 ng
RT: 2.775 min Scan# 99
Delta R.T. 0.094 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 88 Resp: 87340

Ion	Ratio	Lower	Upper
88	100		
58	85.1	69.2	103.8
43	33.6	26.3	39.5



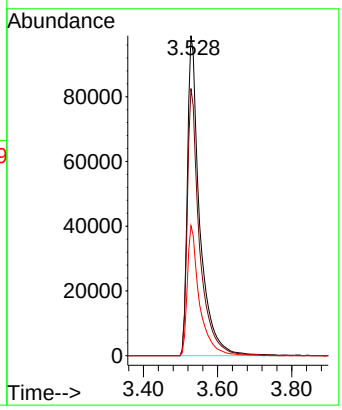


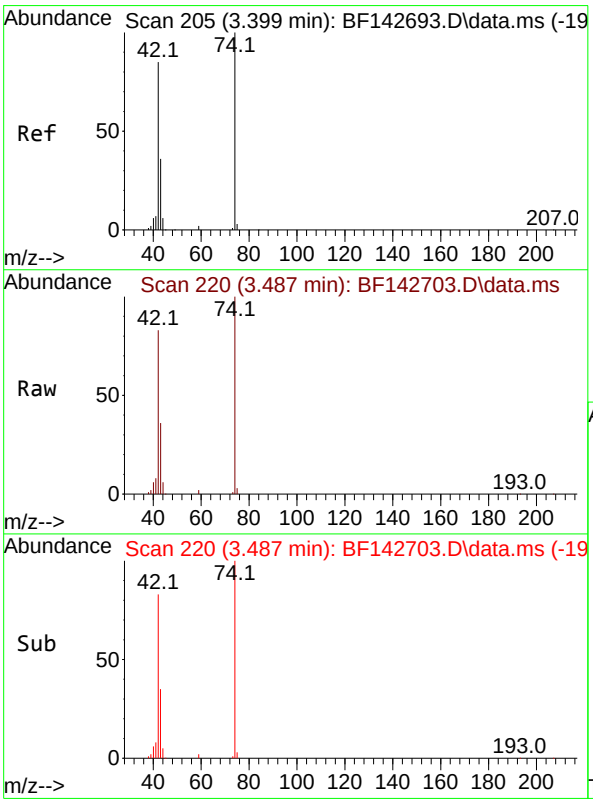
#3
Pyridine
Concen: 44.569 ng
RT: 3.528 min Scan# 2
Delta R.T. 0.077 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 79 Resp: 228082

Ion	Ratio	Lower	Upper
79	100		
52	83.5	66.6	99.8
51	40.6	31.7	47.5

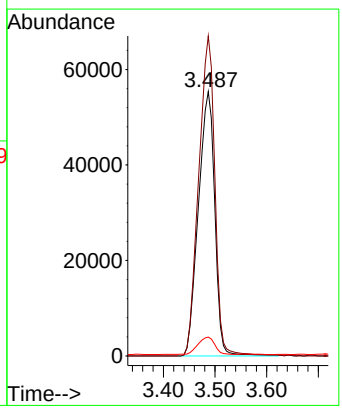


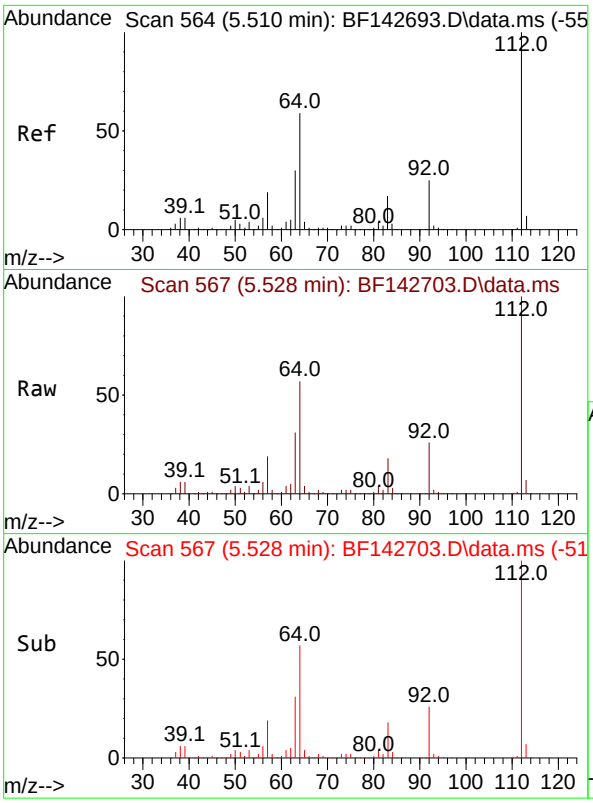


#4
n-Nitrosodimethylamine
Concen: 48.958 ng
RT: 3.487 min Scan# 220
Delta R.T. 0.059 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 42 Resp: 121943

Ion	Ratio	Lower	Upper
42	100		
74	121.1	94.5	141.7
44	7.1	5.6	8.4



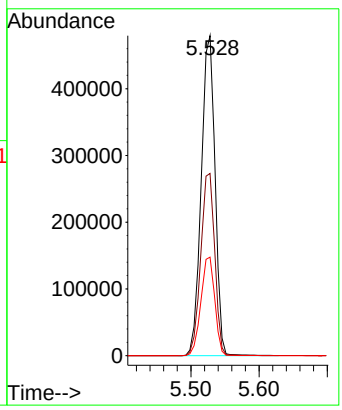


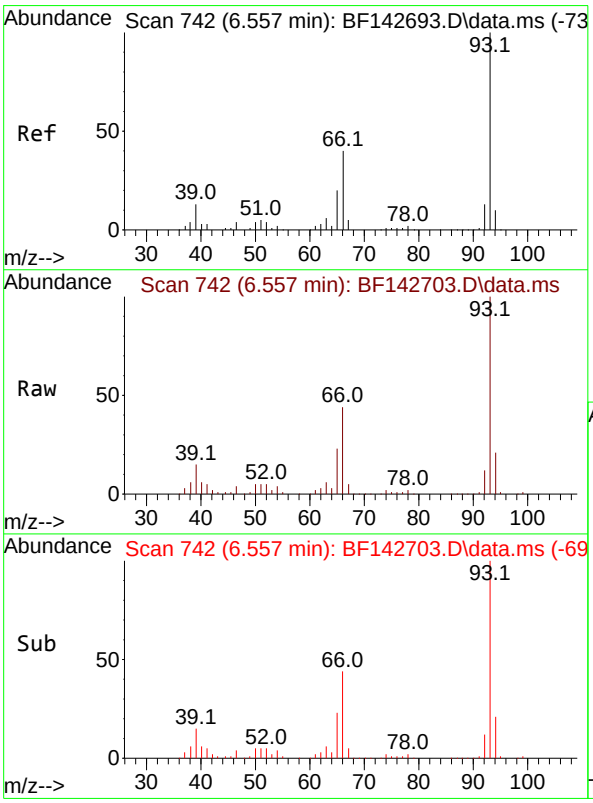
#5
2-Fluorophenol
Concen: 130.467 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:112 Resp: 676033

Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.9	70.3
63	30.8	24.3	36.5

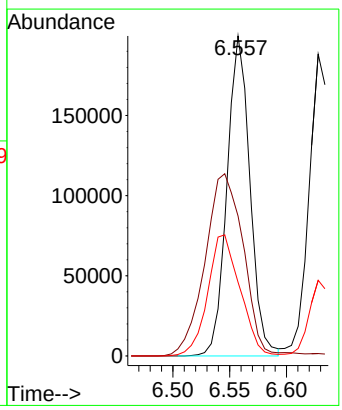


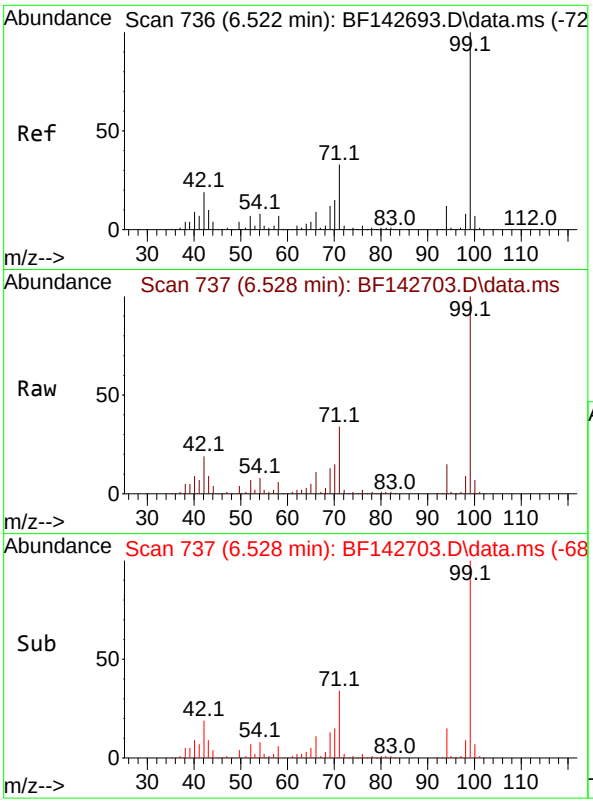


#6
Aniline
Concen: 34.447 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 93 Resp: 281030

Ion	Ratio	Lower	Upper
93	100		
66	43.7	32.8	49.2
65	23.0	16.4	24.6



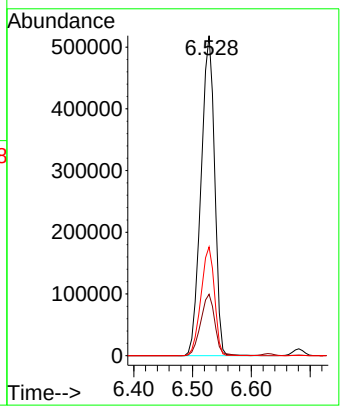


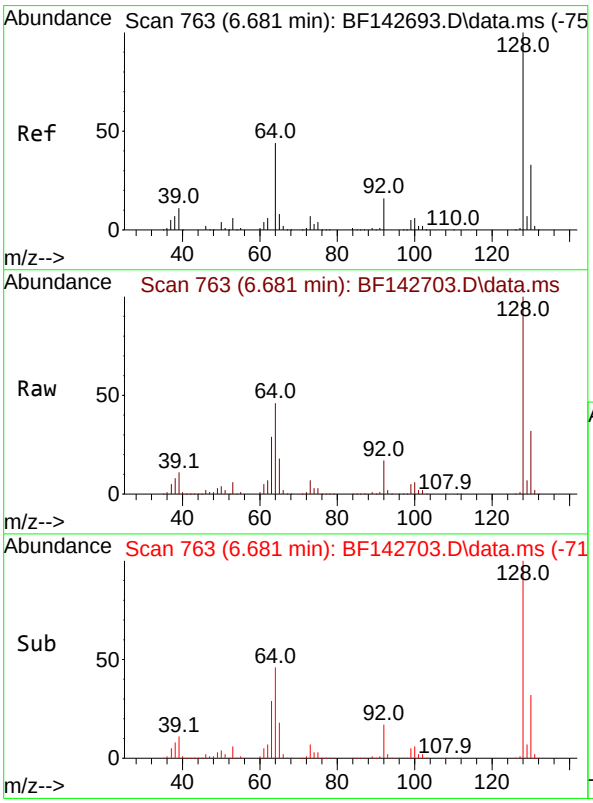
#7
Phenol-d6
Concen: 137.473 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 99 Resp: 835368

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.3	22.9
71	34.0	26.3	39.5

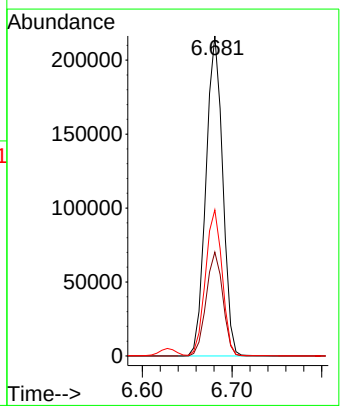


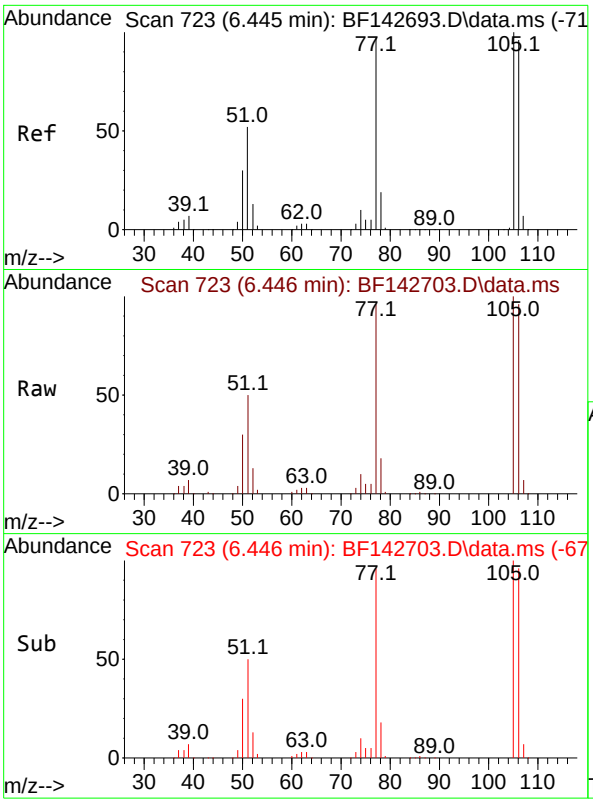


#8
2-Chlorophenol
Concen: 49.595 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:128 Resp: 280377

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.3	53.3
64	45.6	25.4	65.4



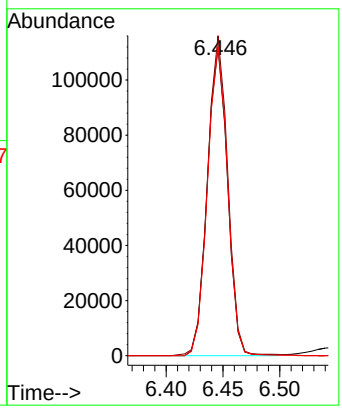


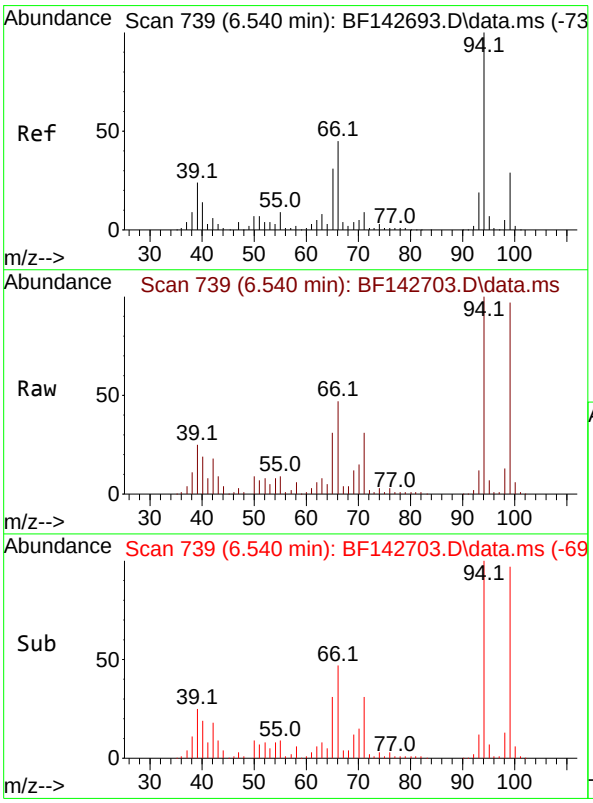
#9
Benzaldehyde
Concen: 40.457 ng
RT: 6.446 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 77 Resp: 138592

Ion	Ratio	Lower	Upper
77	100		
105	103.9	83.2	123.2
106	100.2	78.7	118.7

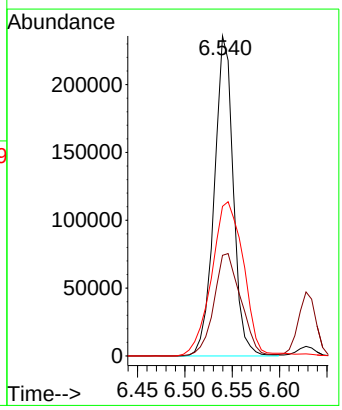


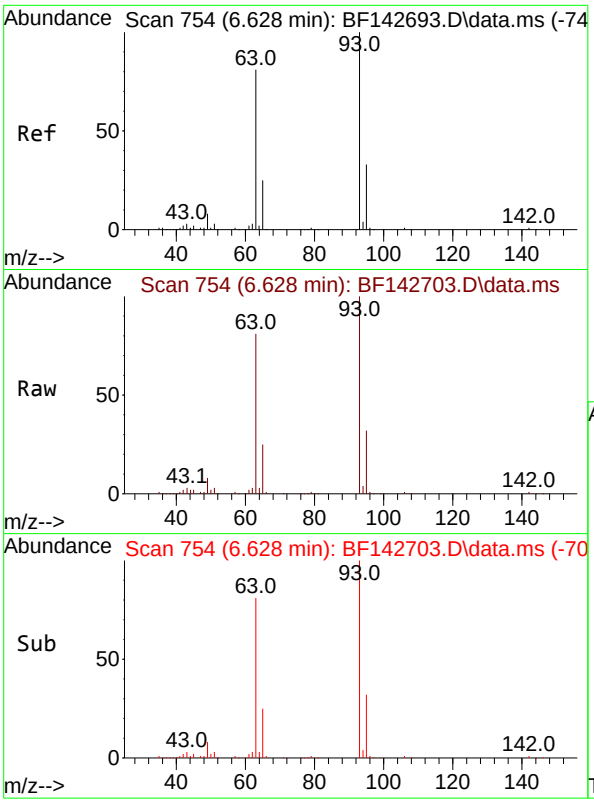


#10
Phenol
Concen: 48.470 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 94 Resp: 329818

Ion	Ratio	Lower	Upper
94	100		
65	31.5	11.0	51.0
66	46.7	24.9	64.9



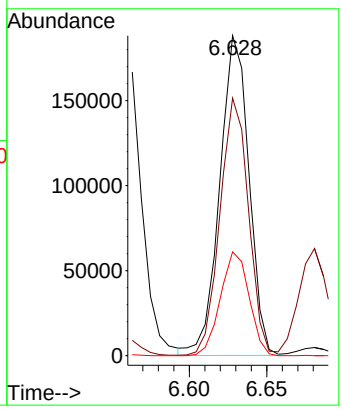


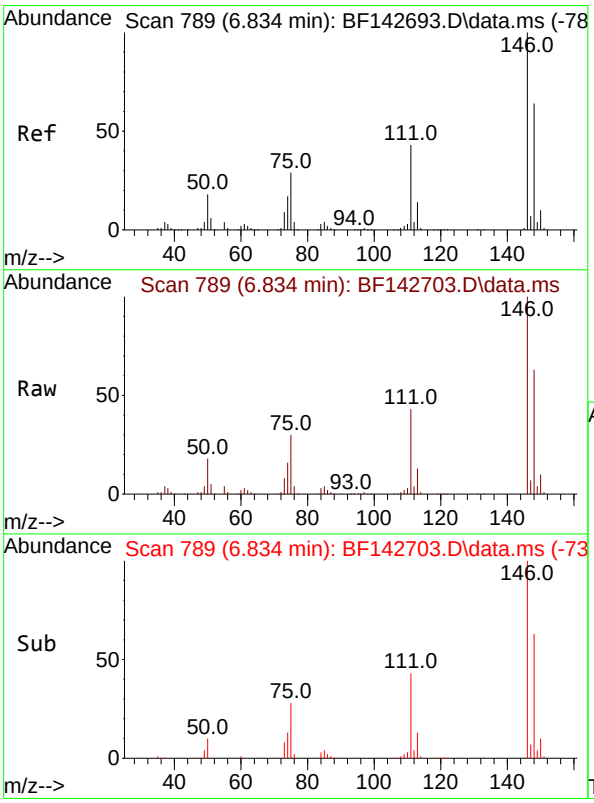
#11
bis(2-Chloroethyl)ether
Concen: 49.755 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 93 Resp: 246646

Ion	Ratio	Lower	Upper
93	100		
63	80.5	60.0	100.0
95	32.4	12.2	52.2

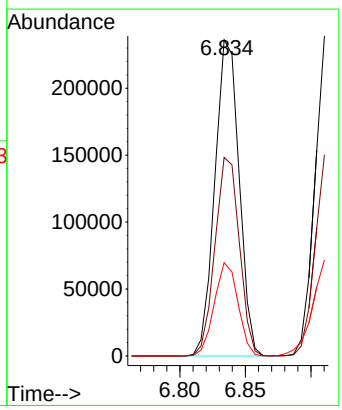


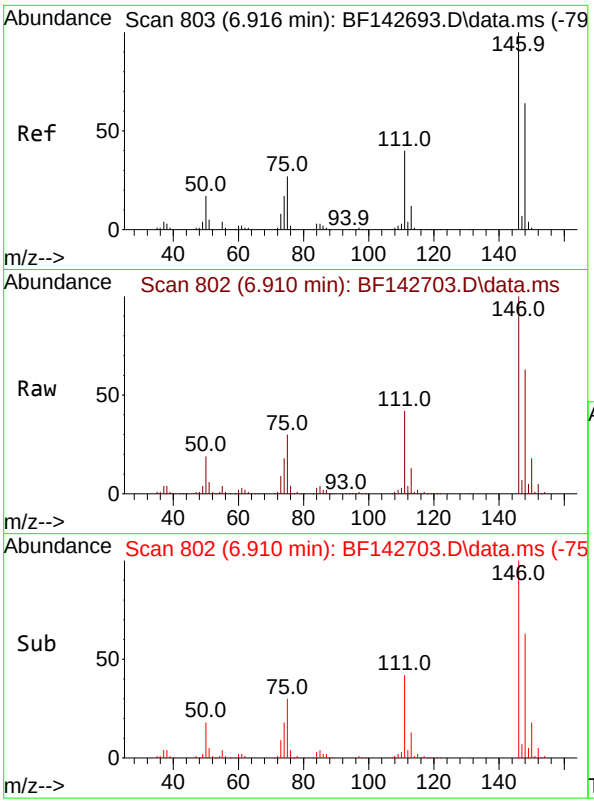


#12
1,3-Dichlorobenzene
Concen: 47.970 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:146 Resp: 303713

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.4	77.2
75	29.5	23.1	34.7



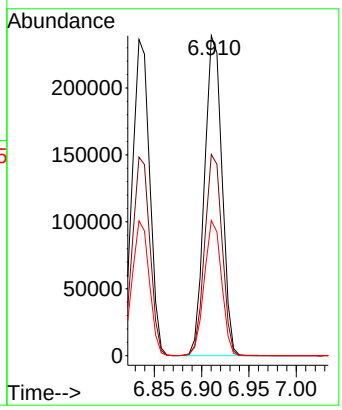


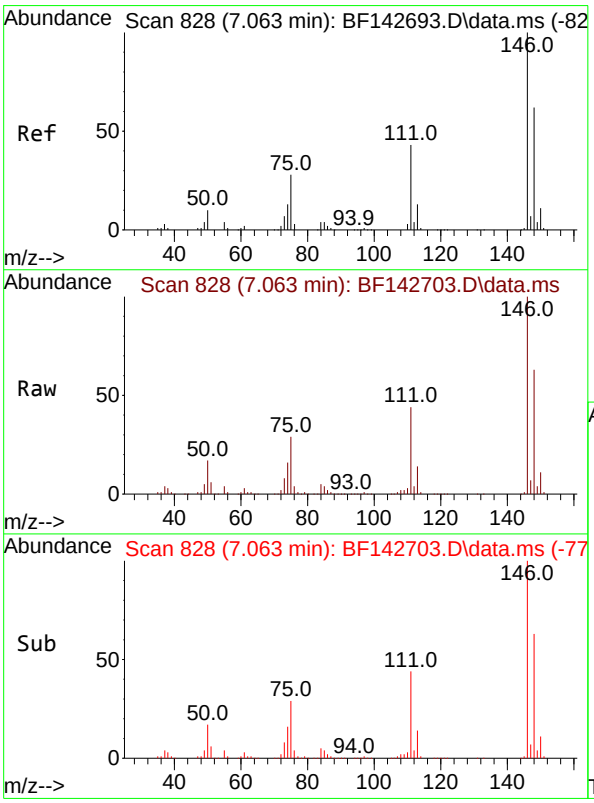
#13
1,4-Dichlorobenzene
Concen: 47.090 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:146 Resp: 304840

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.6
111	42.3	31.8	47.8

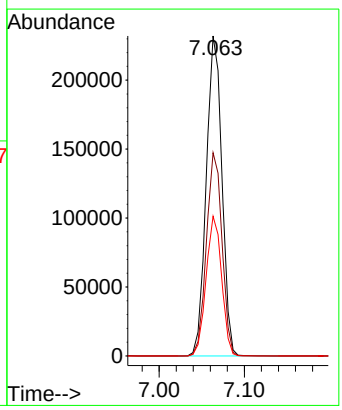


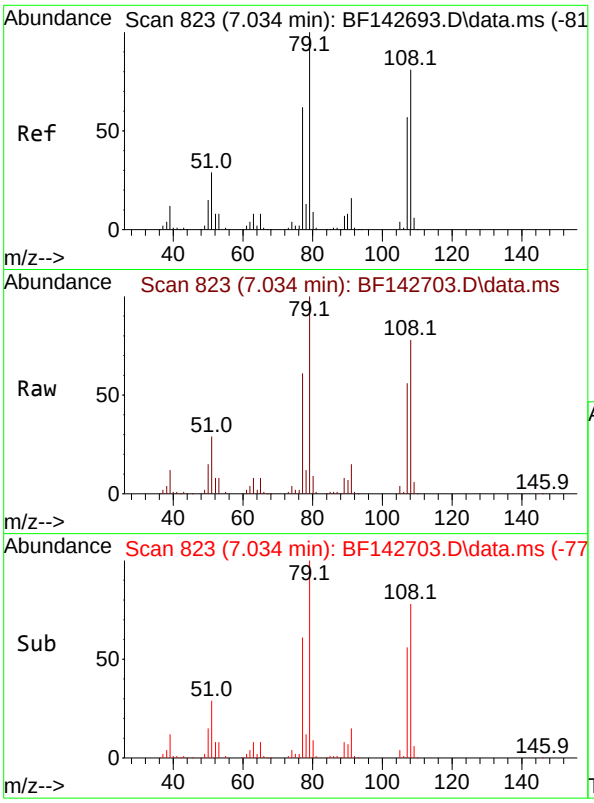


#14
1,2-Dichlorobenzene
Concen: 47.944 ng
RT: 7.063 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:146 Resp: 295932

Ion	Ratio	Lower	Upper
146	100		
148	63.5	49.3	73.9
111	43.7	34.1	51.1



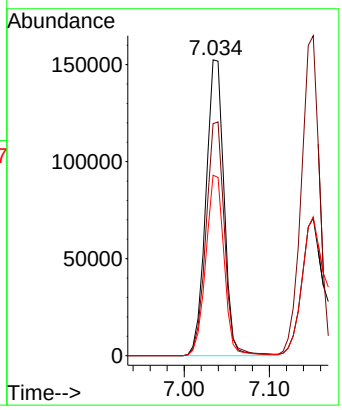


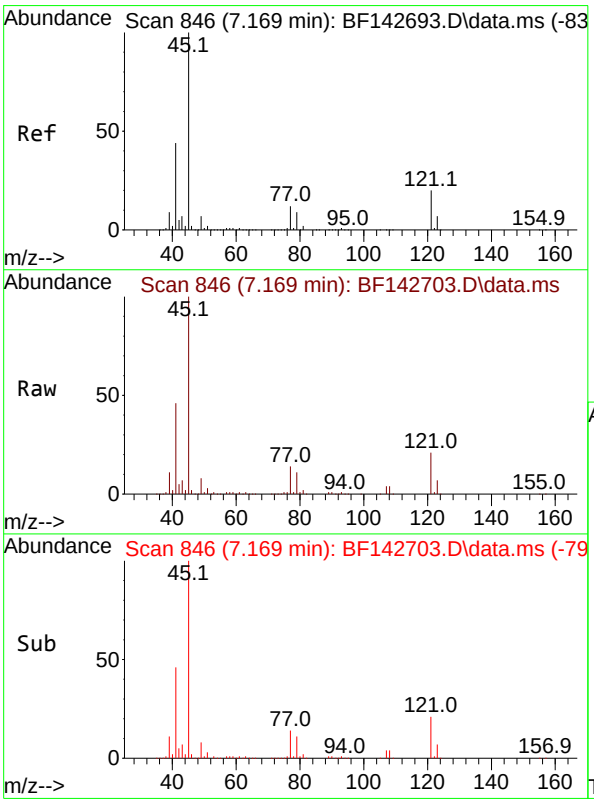
#15
Benzyl Alcohol
Concen: 50.843 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 79 Resp: 225996

Ion	Ratio	Lower	Upper
79	100		
108	78.4	64.8	97.2
77	61.0	49.4	74.2

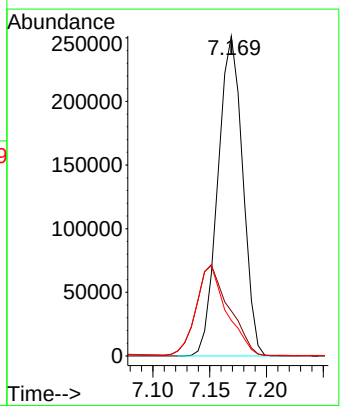


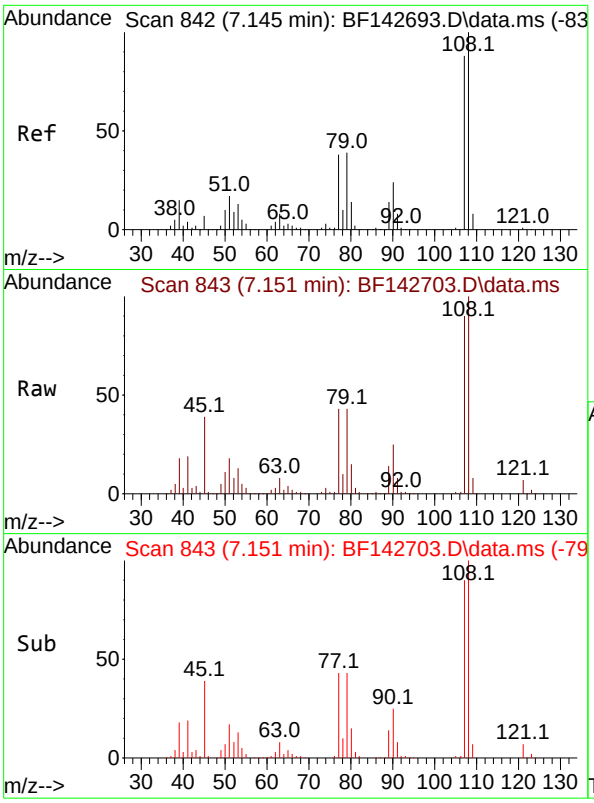


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.312 ng
RT: 7.169 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 45 Resp: 381914

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	32.8
79	11.1	0.0	30.3



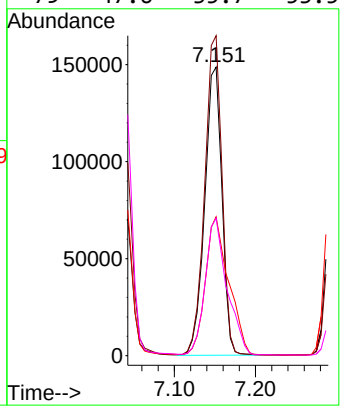


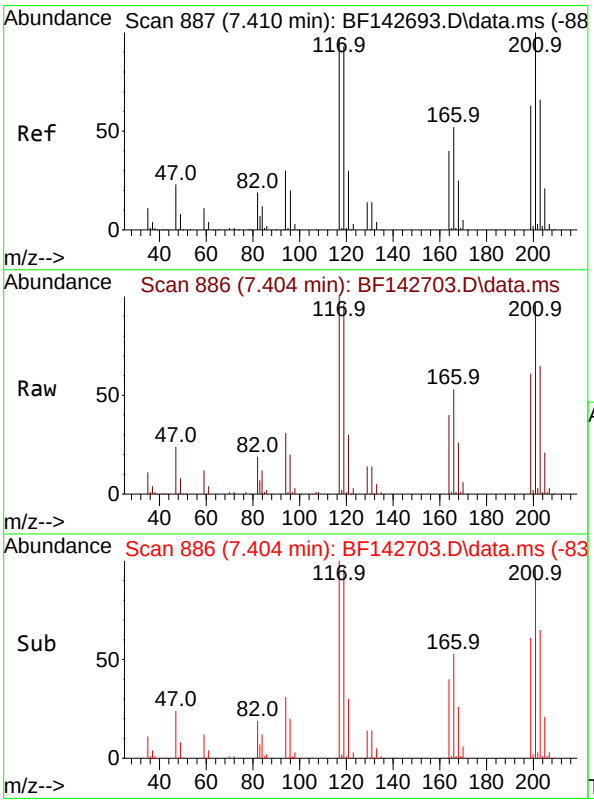
#17
2-Methylphenol
Concen: 50.468 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:107 Resp: 218778

Ion	Ratio	Lower	Upper
107	100		
108	110.8	91.0	136.4
77	48.1	34.9	52.3
79	47.6	35.7	53.5

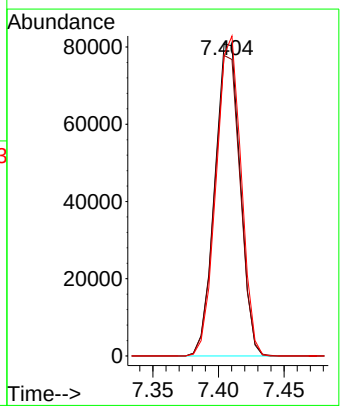


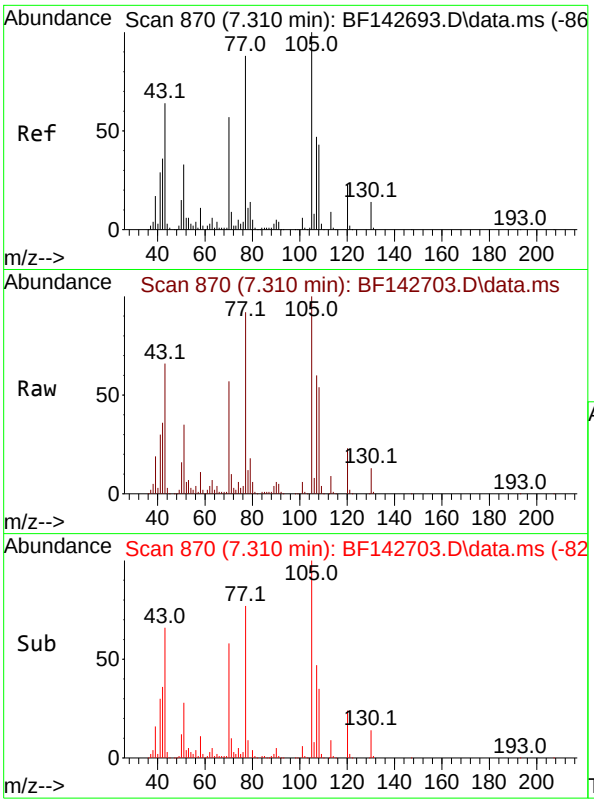


#18
Hexachloroethane
Concen: 49.052 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:117 Resp: 109093

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.1	115.7
201	96.4	82.6	123.8



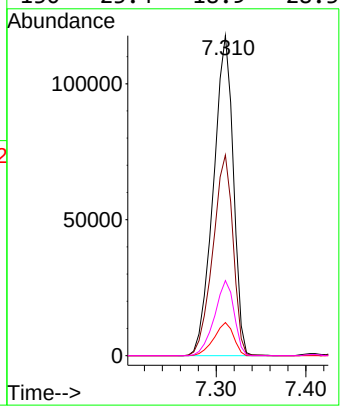


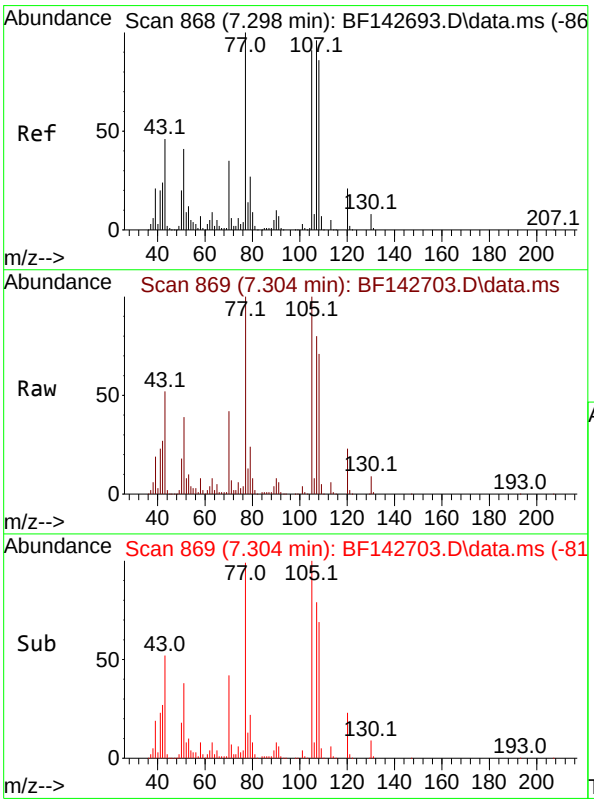
#19
n-Nitroso-di-n-propylamine
Concen: 50.962 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 70 Resp: 181530

Ion	Ratio	Lower	Upper
70	100		
42	62.7	50.1	75.1
101	10.3	8.1	12.1
130	23.4	18.9	28.3

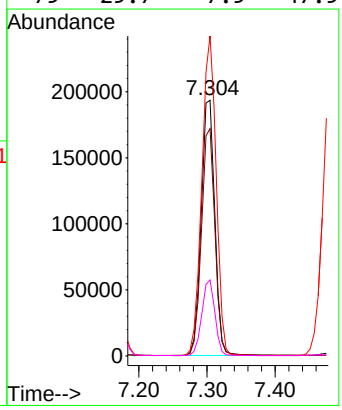


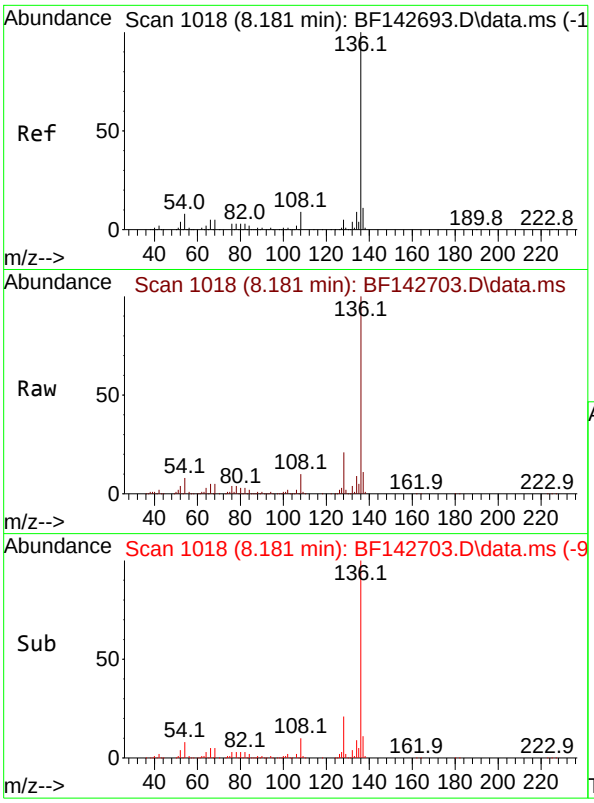


#20
3+4-Methylphenols
Concen: 50.296 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:107 Resp: 268521

Ion	Ratio	Lower	Upper
107	100		
108	88.9	69.5	109.5
77	125.2	83.6	123.6#
79	29.7	7.9	47.9



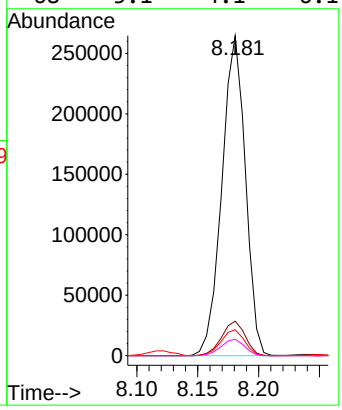


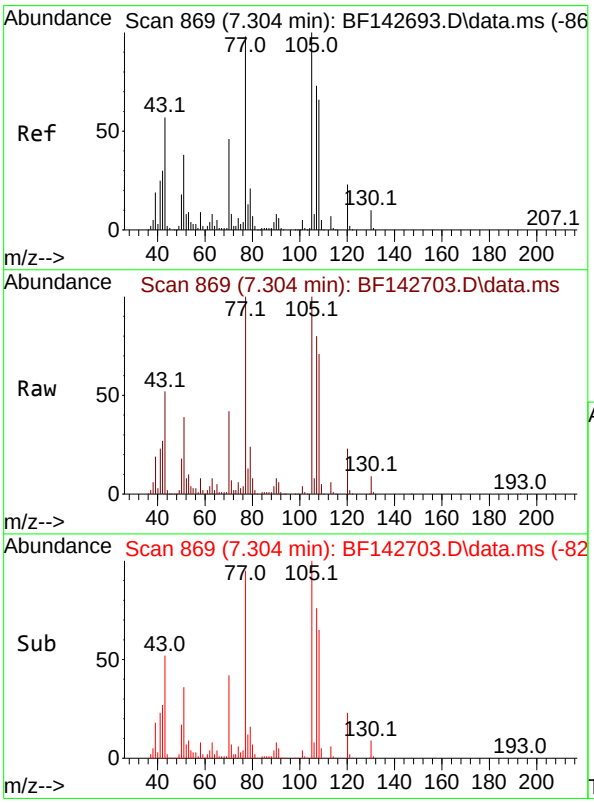
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:136 Resp: 355357

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.1	6.4	9.6
68	5.1	4.1	6.1

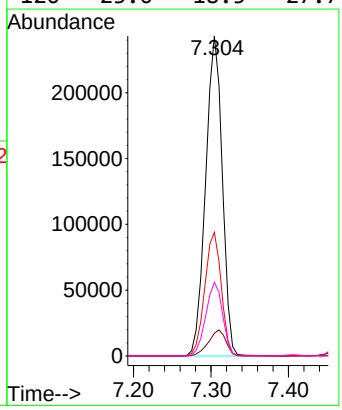


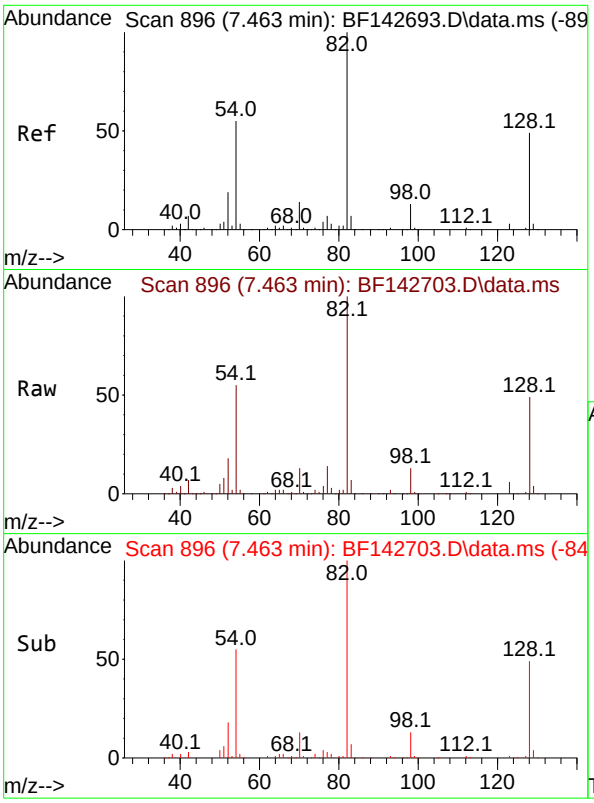


#22
Acetophenone
Concen: 46.706 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:105 Resp: 362815

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.2	9.2
51	38.6	30.8	46.2
120	23.0	18.5	27.7



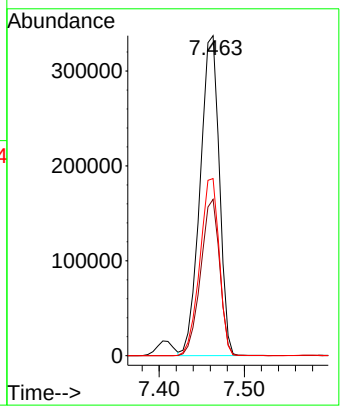


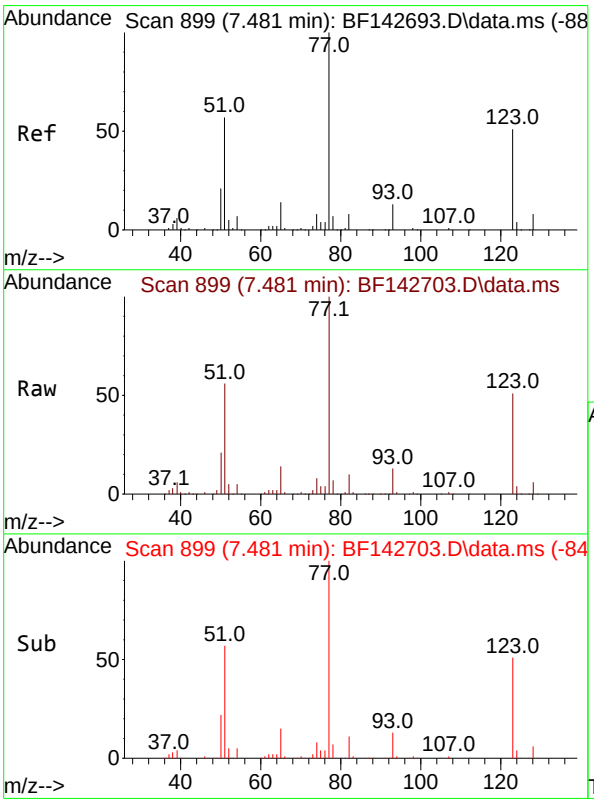
#23
Nitrobenzene-d5
Concen: 81.611 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 82 Resp: 527705

Ion	Ratio	Lower	Upper
82	100		
128	48.8	39.3	58.9
54	55.4	44.2	66.2

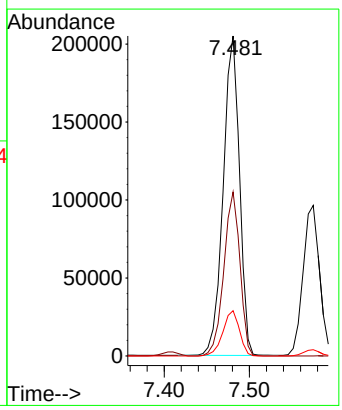


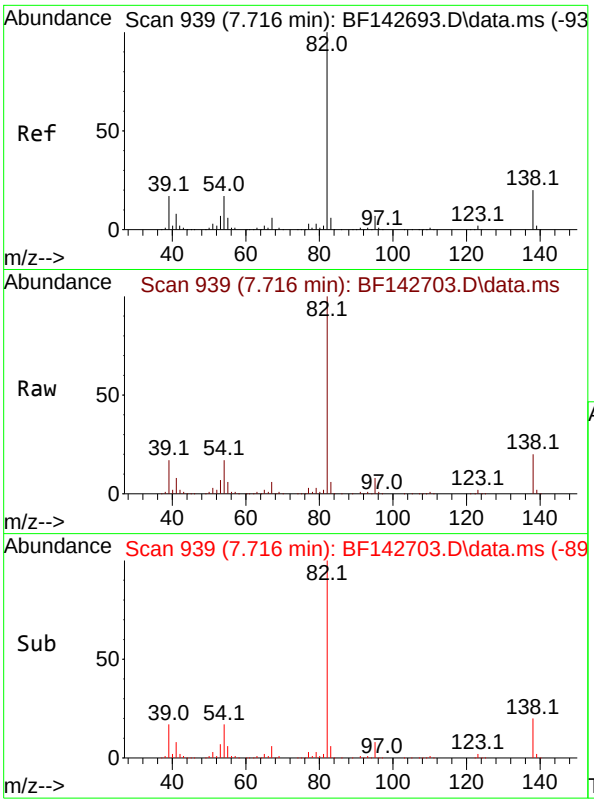


#24
Nitrobenzene
Concen: 46.595 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 77 Resp: 271715

Ion	Ratio	Lower	Upper
77	100		
123	51.3	41.3	61.9
65	14.1	11.2	16.8



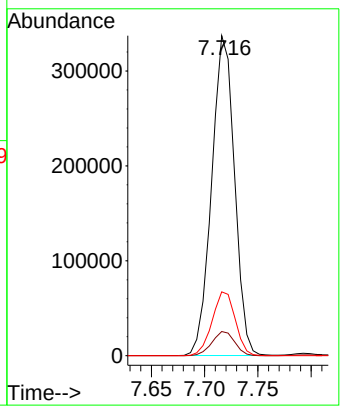


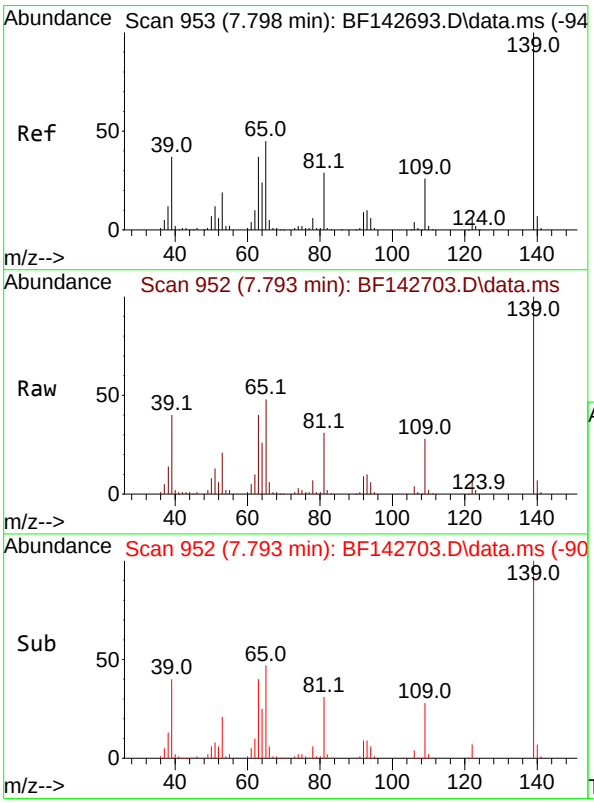
#25
Isophorone
Concen: 47.902 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 82 Resp: 502522

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	19.9	16.1	24.1

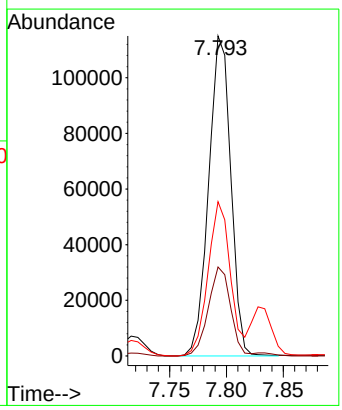


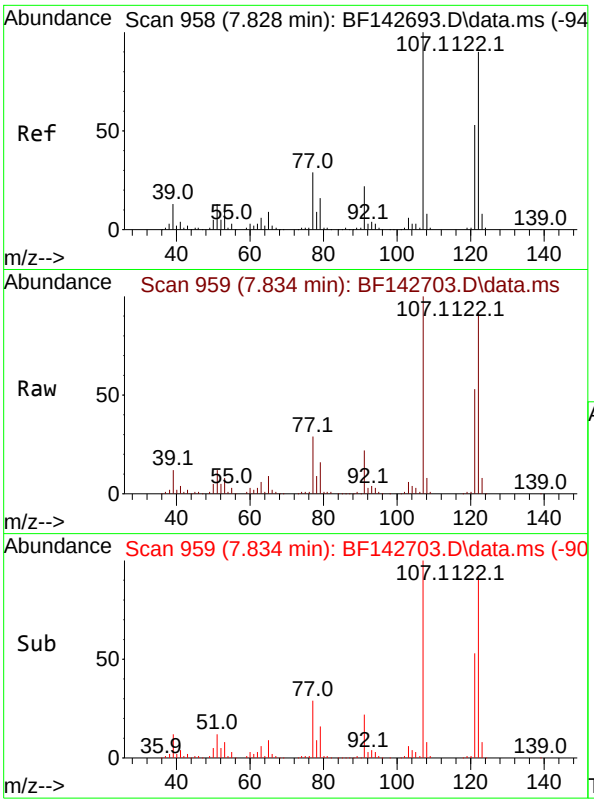


#26
2-Nitrophenol
Concen: 48.526 ng
RT: 7.793 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:139 Resp: 156091

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.0	31.6
65	48.2	36.2	54.2



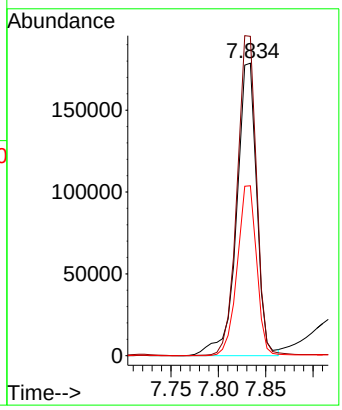


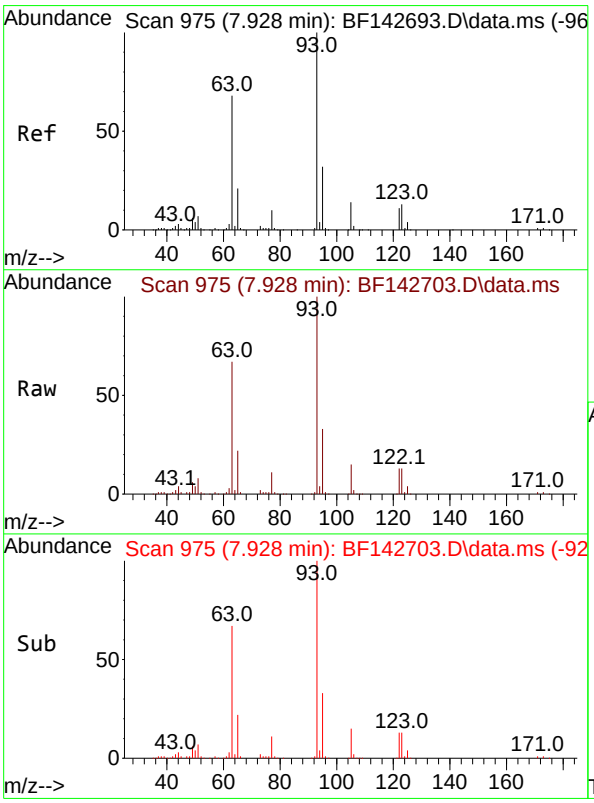
#27
2,4-Dimethylphenol
Concen: 48.256 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:122 Resp: 263805

Ion	Ratio	Lower	Upper
122	100		
107	109.2	89.4	134.2
121	58.1	47.1	70.7

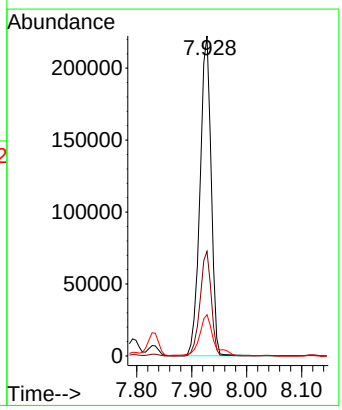


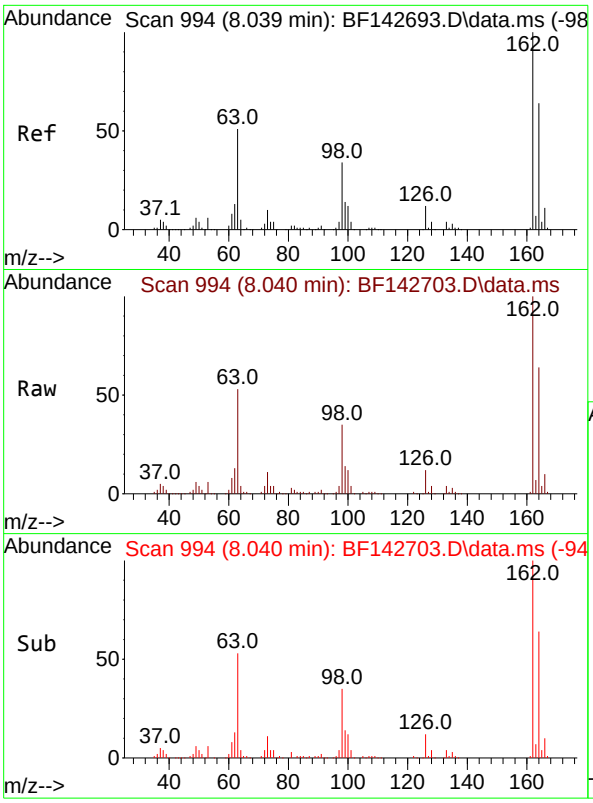


#28
bis(2-Chloroethoxy)methane
Concen: 47.586 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 93 Resp: 313108

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	12.9	10.5	15.7



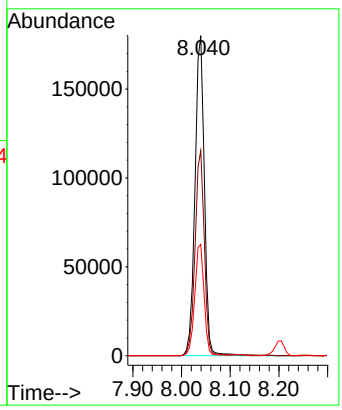


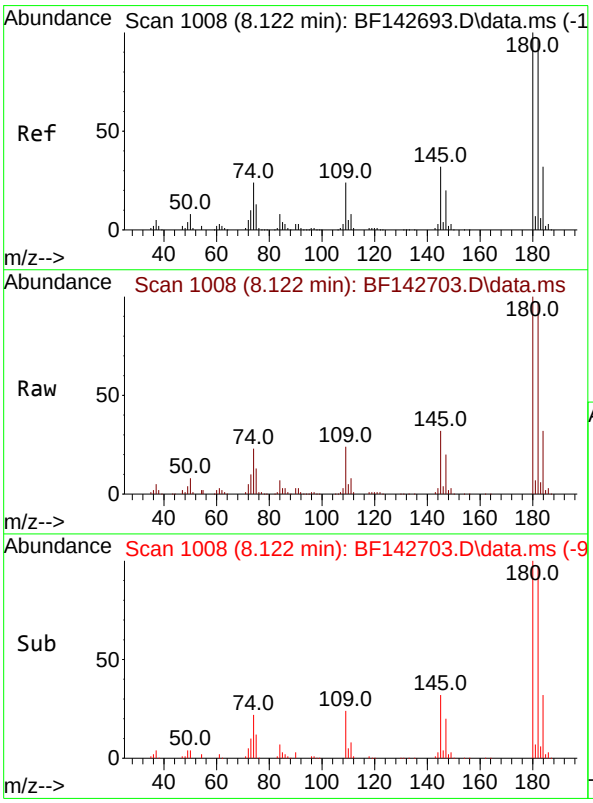
#29
2,4-Dichlorophenol
Concen: 48.597 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:162 Resp: 243384

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.0	84.0
98	34.8	14.4	54.4

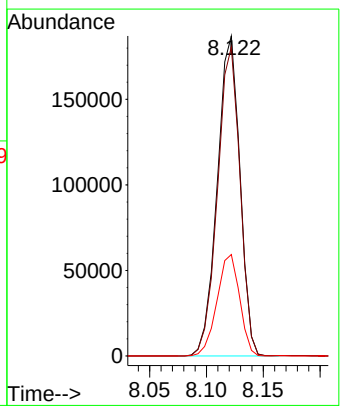


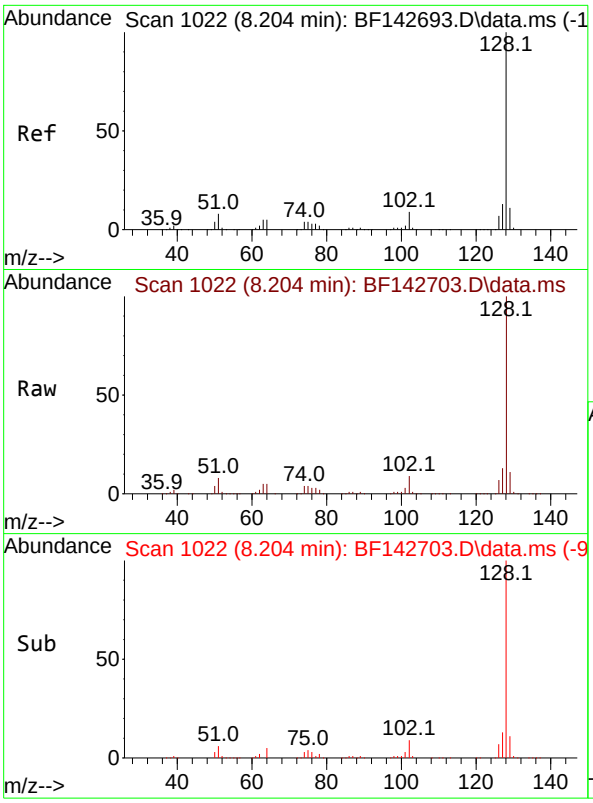


#30
1,2,4-Trichlorobenzene
Concen: 47.473 ng
RT: 8.122 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:180 Resp: 259339

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
145	31.7	25.4	38.0



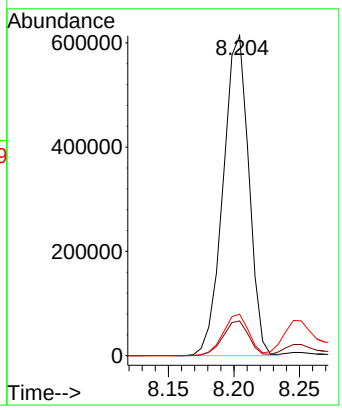


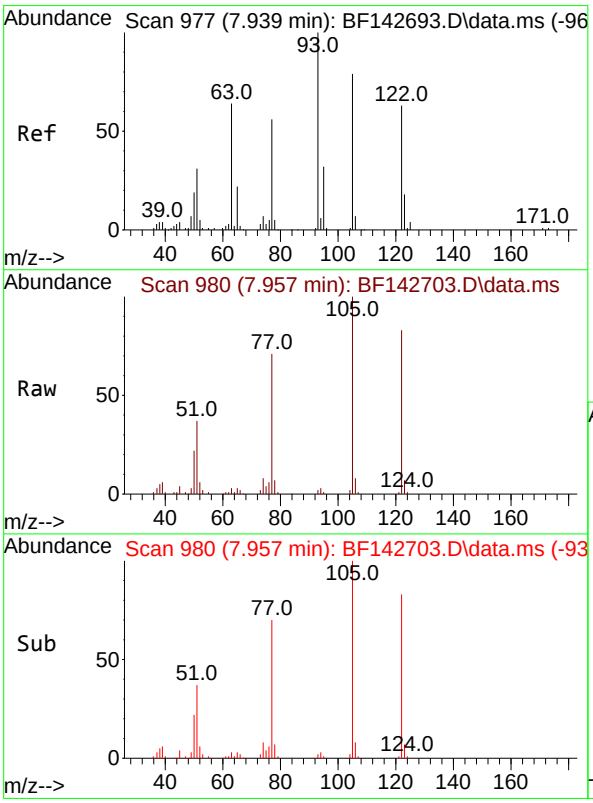
#31
Naphthalene
Concen: 47.713 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:128 Resp: 835495

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.6	15.8

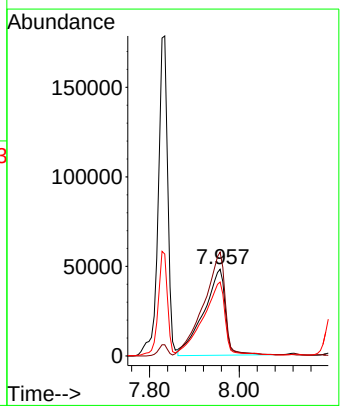


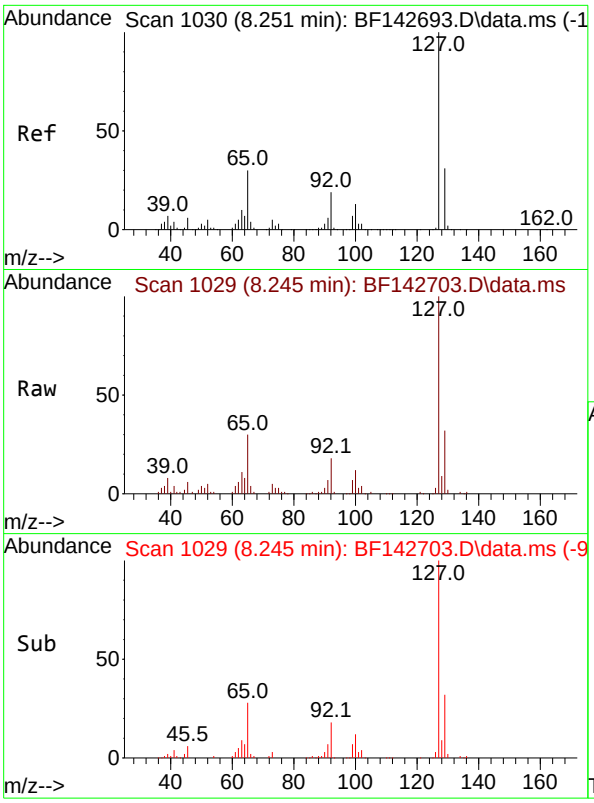


#32
Benzoic acid
Concen: 48.937 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.023 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:122 Resp: 162235

Ion	Ratio	Lower	Upper
122	100		
105	119.8	100.3	140.3
77	85.2	67.9	107.9



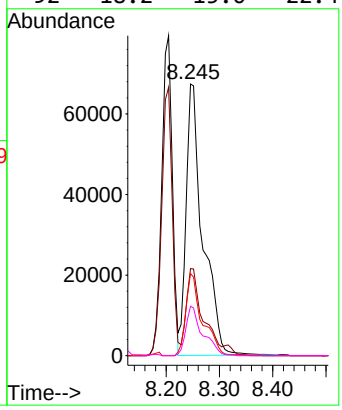


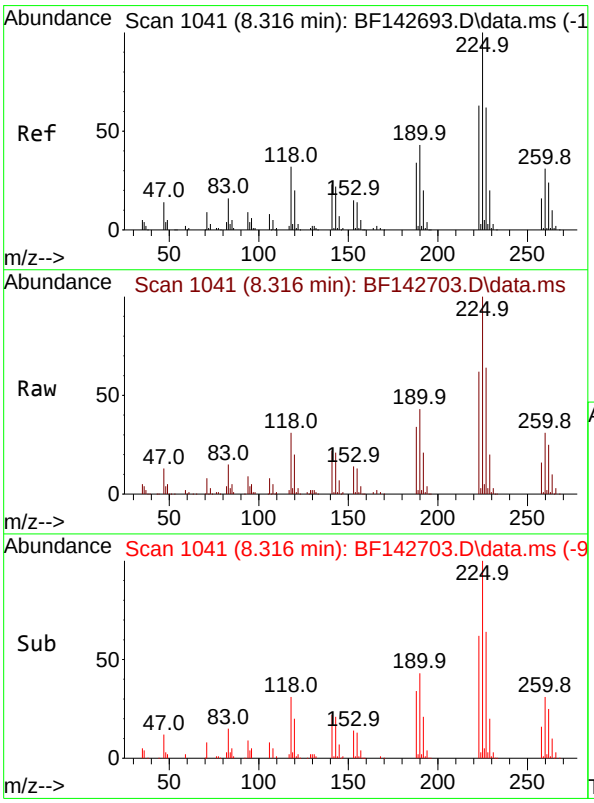
#33
4-Chloroaniline
Concen: 20.365 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:127 Resp: 146610

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.2	23.8	35.6
92	18.2	15.0	22.4

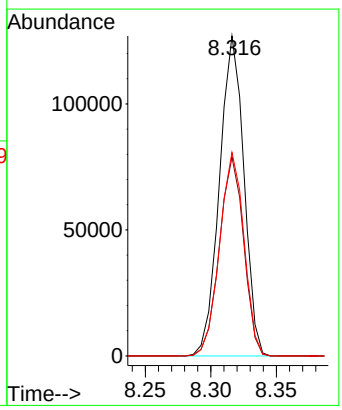


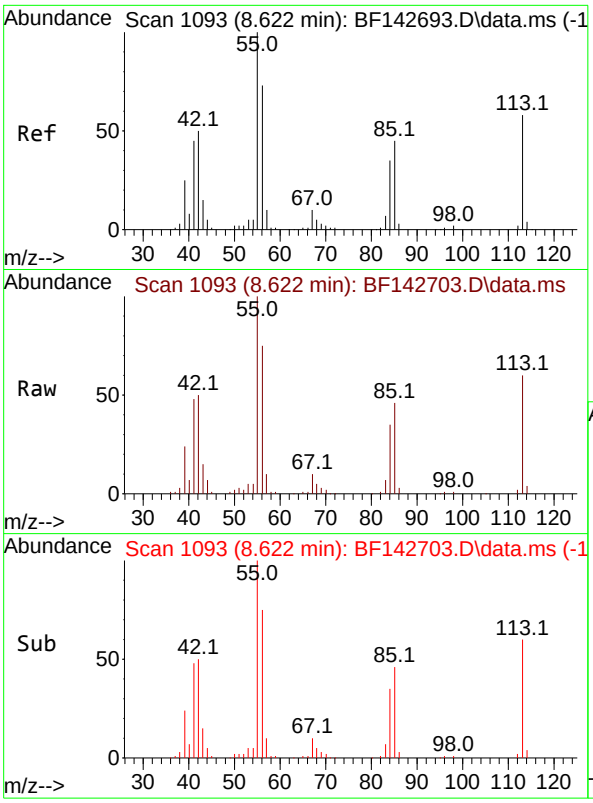


#34
Hexachlorobutadiene
Concen: 48.832 ng
RT: 8.316 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:225 Resp: 164295

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.7	76.1
227	63.6	49.8	74.8



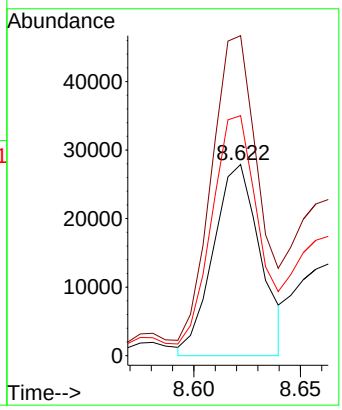


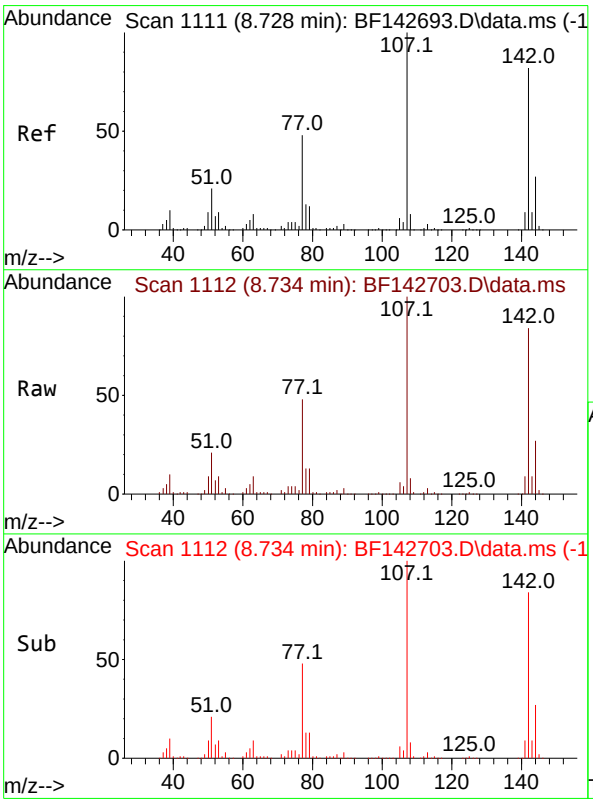
#35
Caprolactam
Concen: 27.751 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:113 Resp: 42688

Ion	Ratio	Lower	Upper
113	100		
55	167.4	152.9	192.9
56	125.5	106.6	146.6

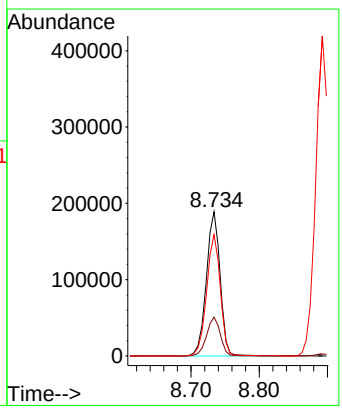


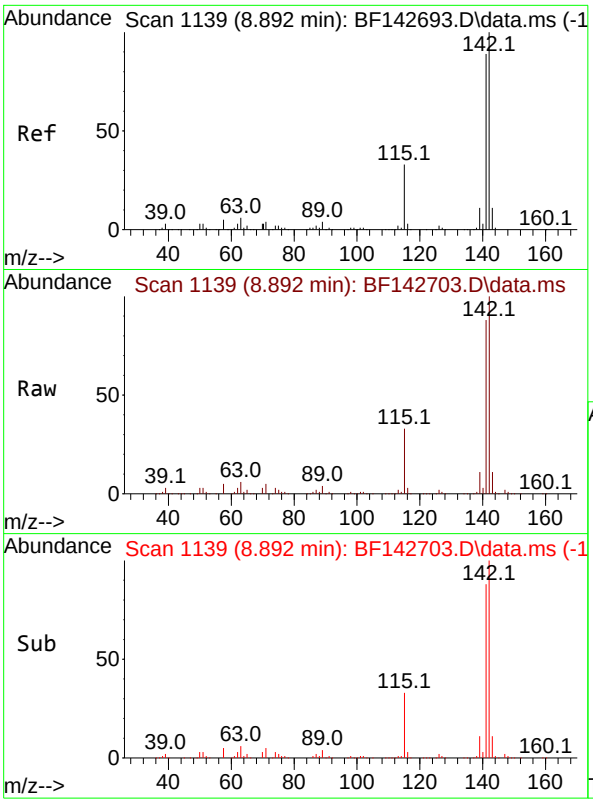


#36
4-Chloro-3-methylphenol
Concen: 51.403 ng
RT: 8.734 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:107 Resp: 265547

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.5	32.3
142	84.2	65.5	98.3



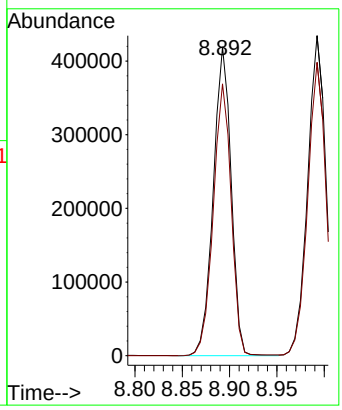


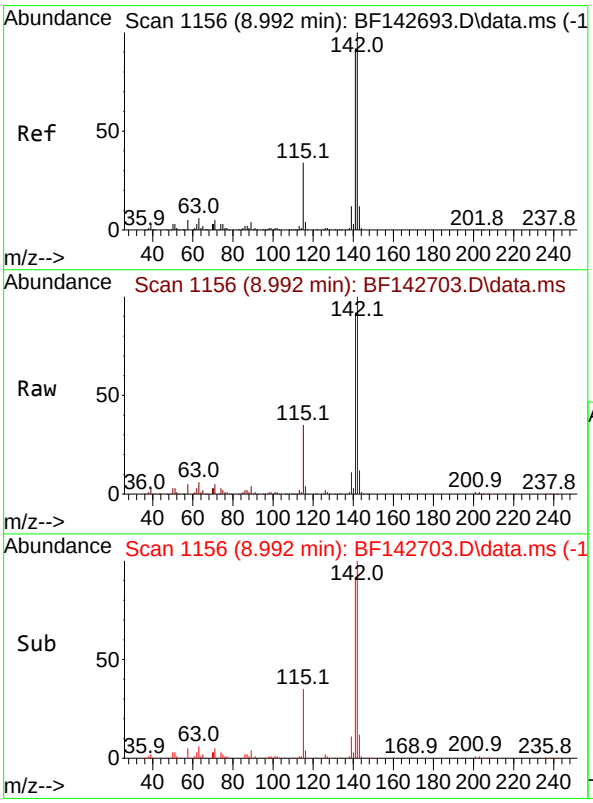
#37
2-Methylnaphthalene
Concen: 50.160 ng
RT: 8.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:142 Resp: 552683

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2

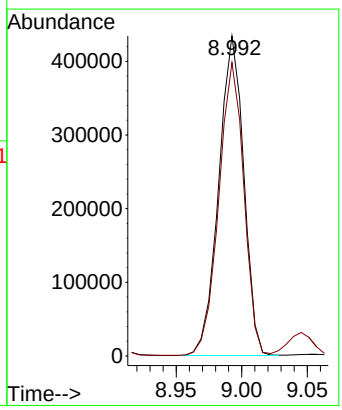


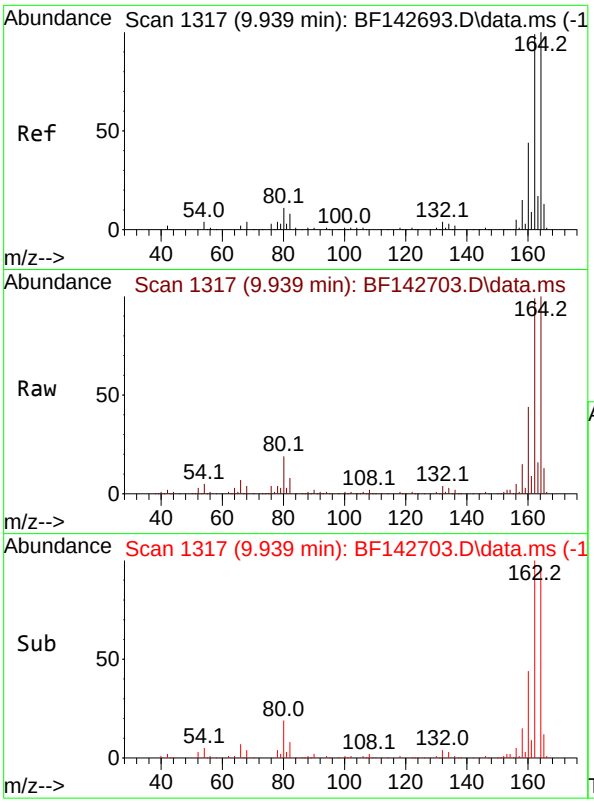


#38
1-Methylnaphthalene
Concen: 50.482 ng
RT: 8.992 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:142 Resp: 575999

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.7	110.5



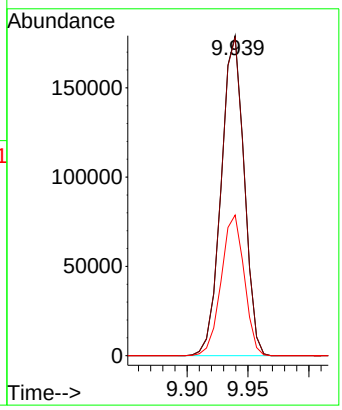


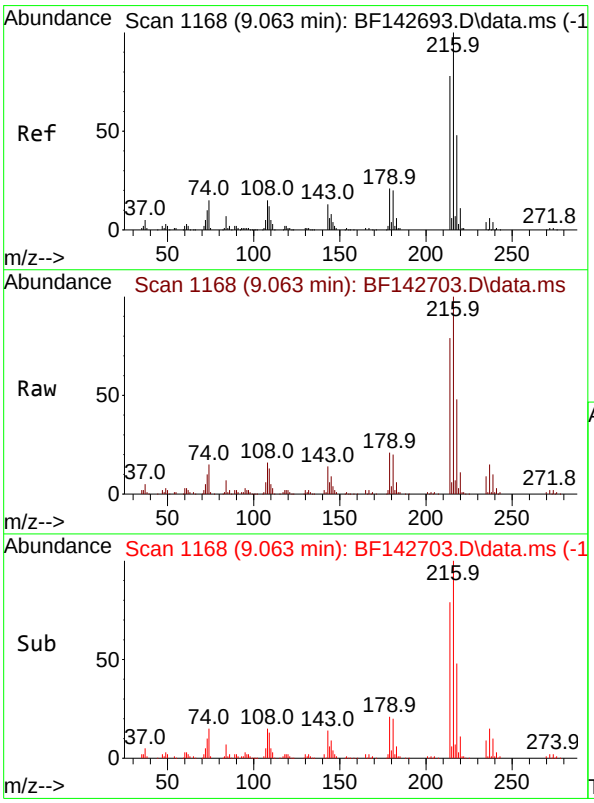
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:164 Resp: 234579

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.1	118.7
160	44.0	35.4	53.0

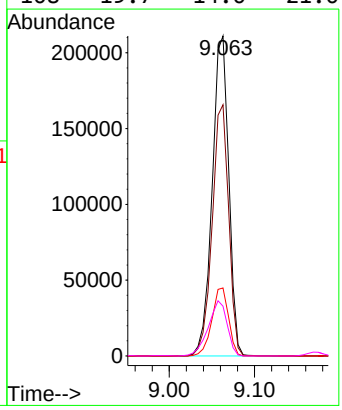


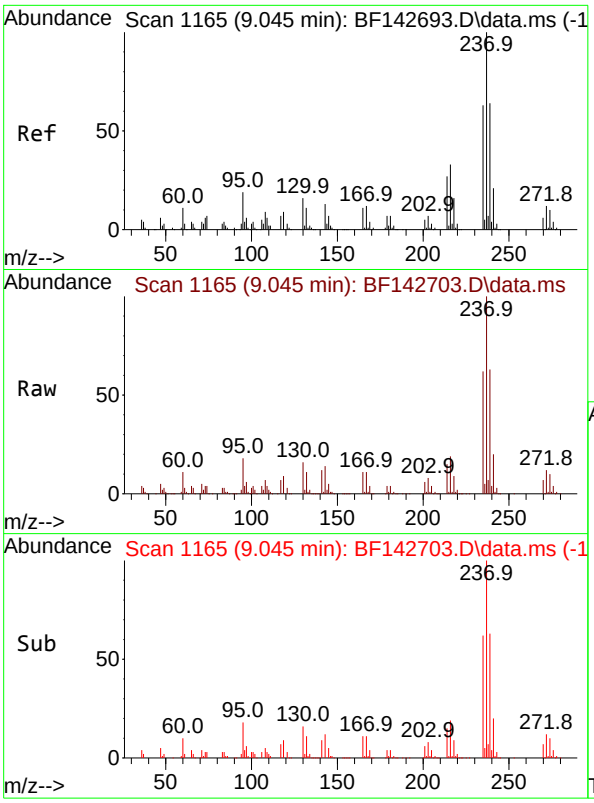


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.996 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:216 Resp: 284698

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.0	94.6
179	21.4	16.6	25.0
108	19.7	14.0	21.0



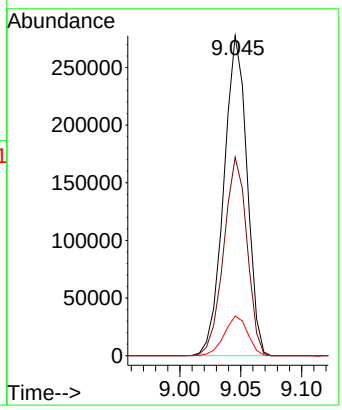


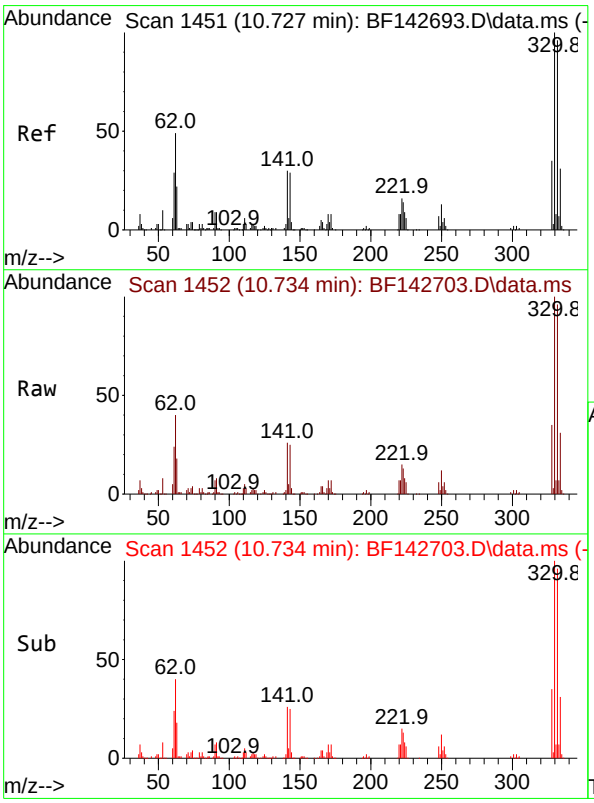
#41
Hexachlorocyclopentadiene
Concen: 92.441 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:237 Resp: 368013

Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.1	83.1
272	12.4	0.0	32.5

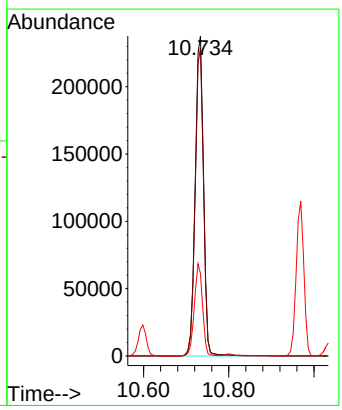


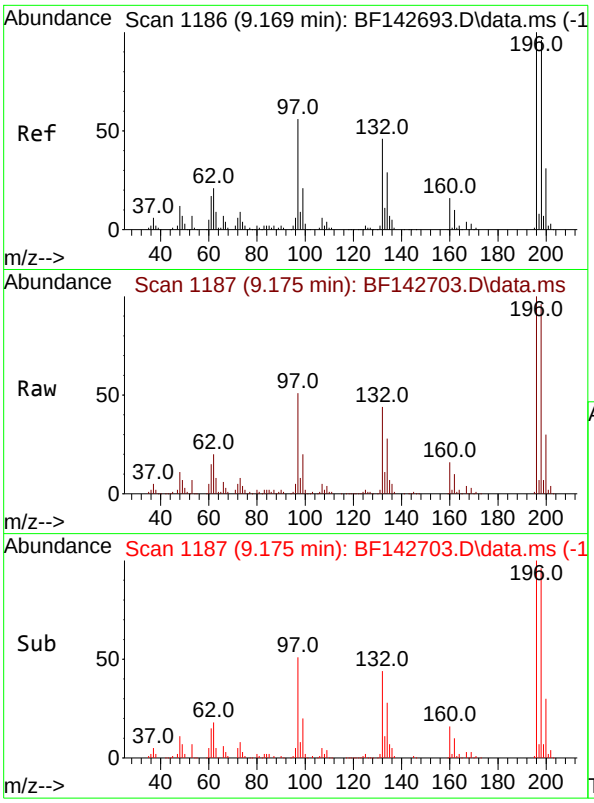


#42
2,4,6-Tribromophenol
Concen: 122.564 ng
RT: 10.734 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:330 Resp: 323021

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	28.4	23.5	35.3



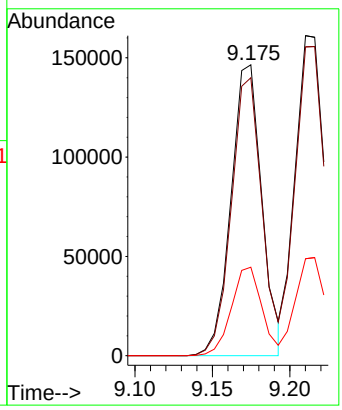


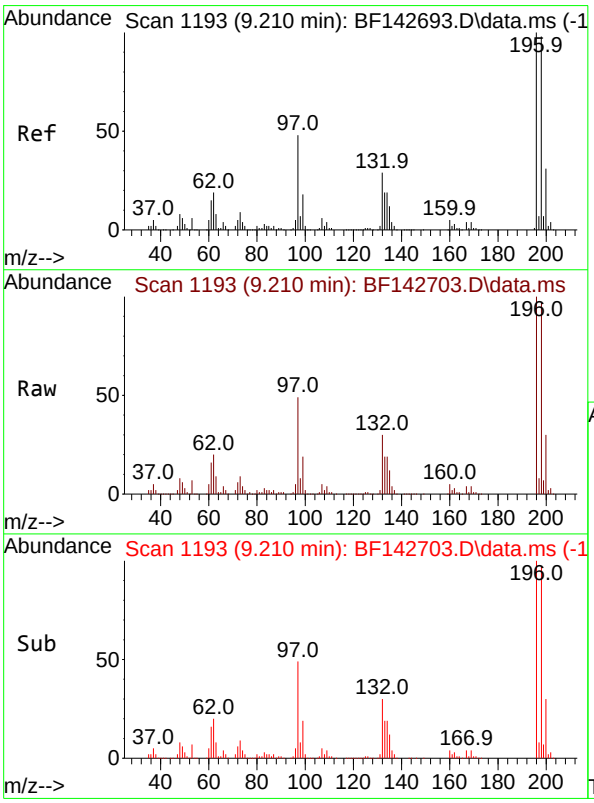
#43
2,4,6-Trichlorophenol
Concen: 45.558 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:196 Resp: 202651

Ion	Ratio	Lower	Upper
196	100		
198	95.5	77.1	115.7
200	30.4	24.5	36.7

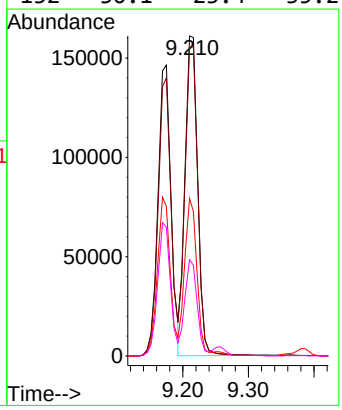


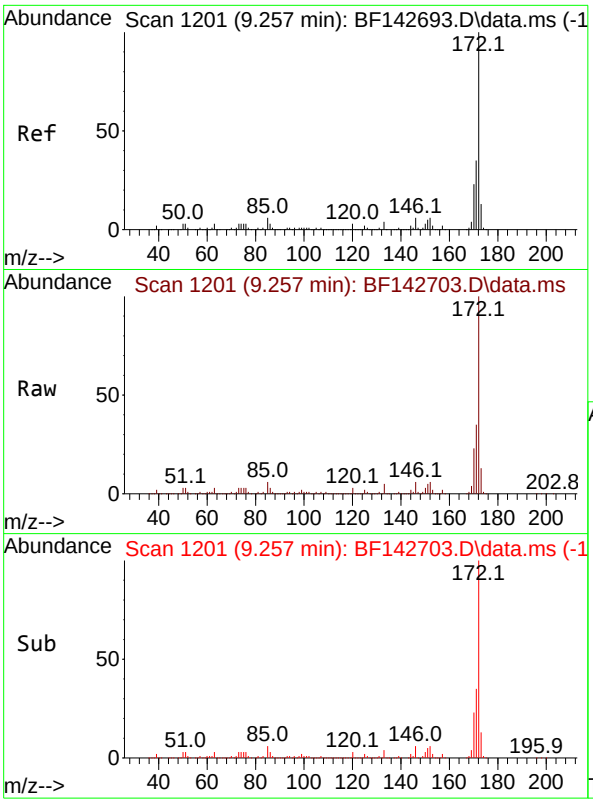


#44
2,4,5-Trichlorophenol
Concen: 45.649 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:196 Resp: 216883

Ion	Ratio	Lower	Upper
196	100		
198	96.5	78.2	117.2
97	49.3	39.2	58.8
132	30.1	23.4	35.2



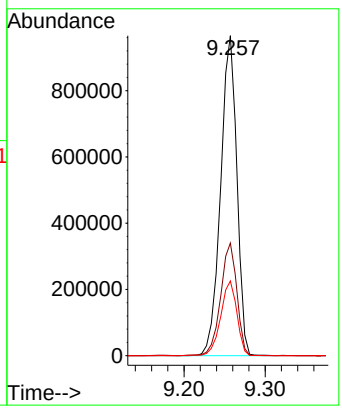


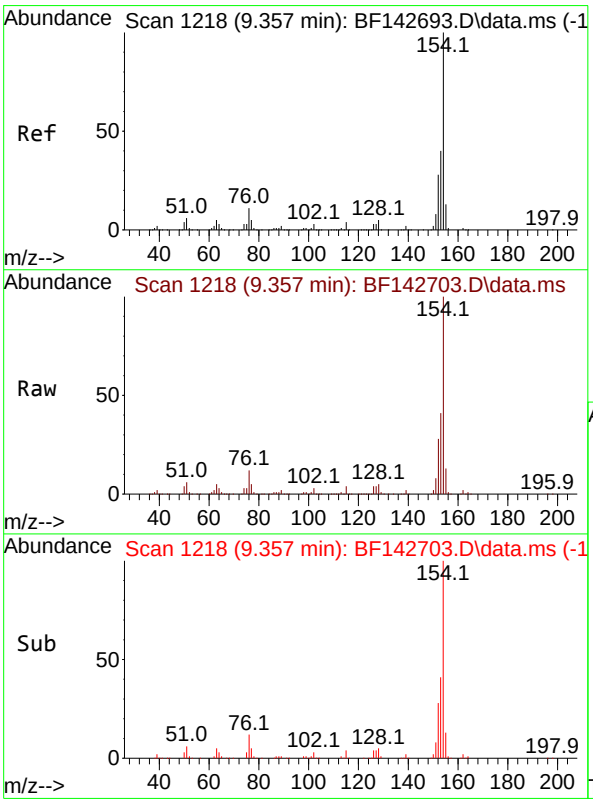
#45
2-Fluorobiphenyl
Concen: 78.290 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:172 Resp: 1342901

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.3	18.7	28.1

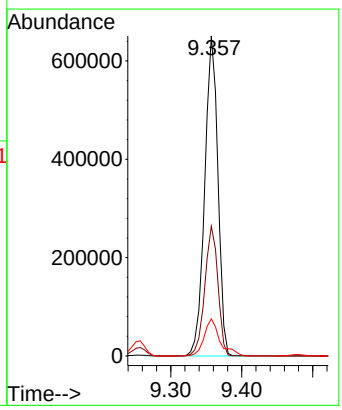


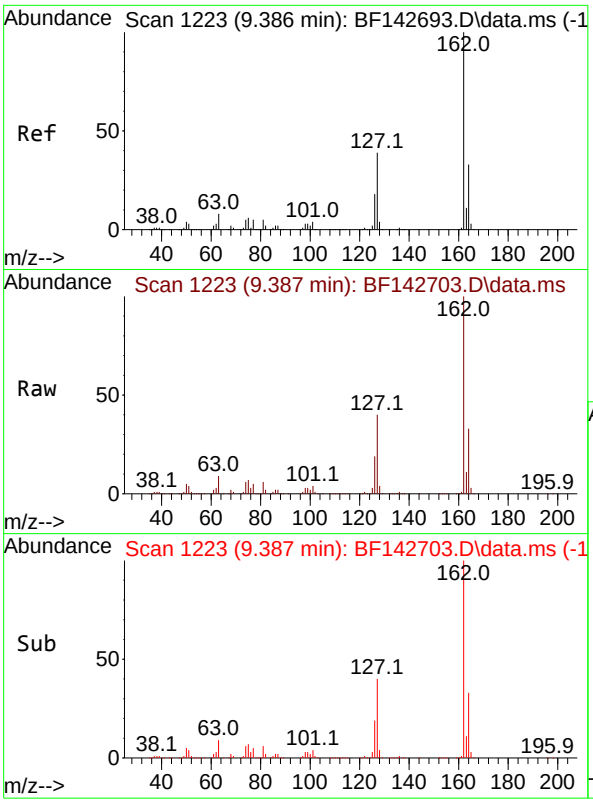


#46
1,1'-Biphenyl
Concen: 46.211 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:154 Resp: 842922

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.4	60.4
76	11.6	0.0	31.4



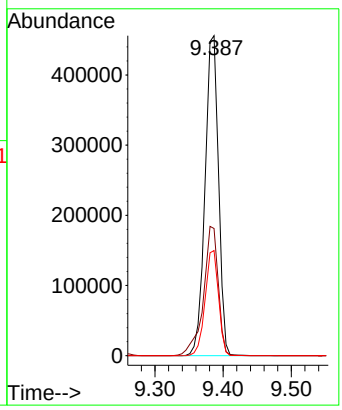


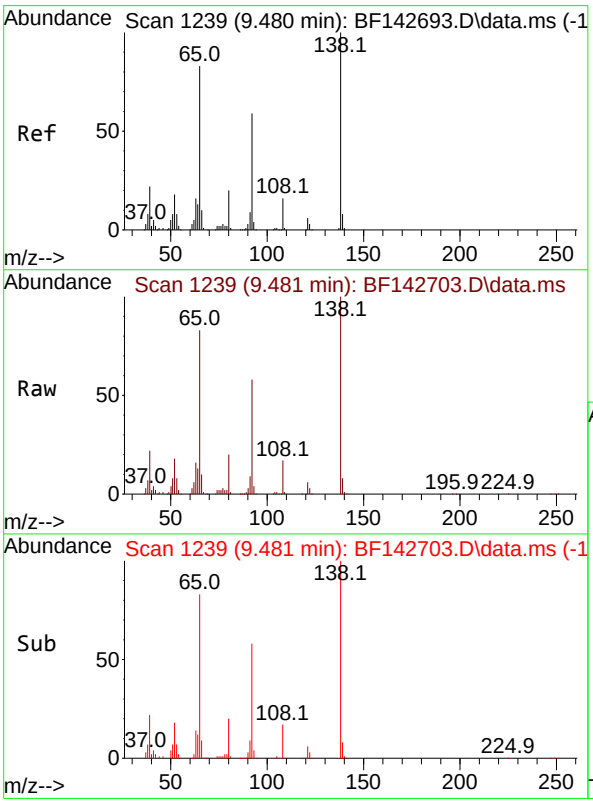
#47
2-Chloronaphthalene
Concen: 45.997 ng
RT: 9.387 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:162 Resp: 628659

Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.7	47.5
164	32.9	26.2	39.4

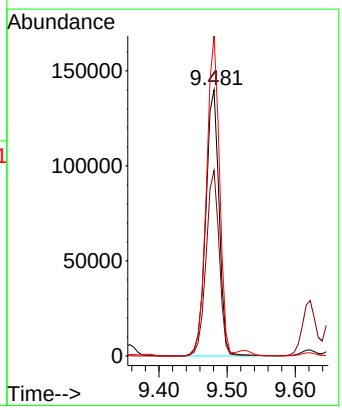


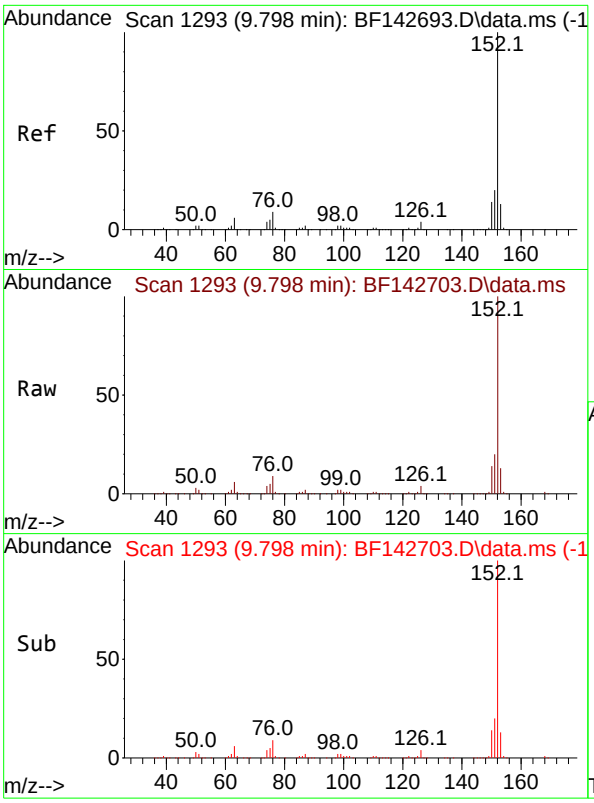


#48
2-Nitroaniline
Concen: 46.920 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion: 65 Resp: 190828

Ion	Ratio	Lower	Upper
65	100		
92	69.8	56.3	84.5
138	120.2	95.9	143.9



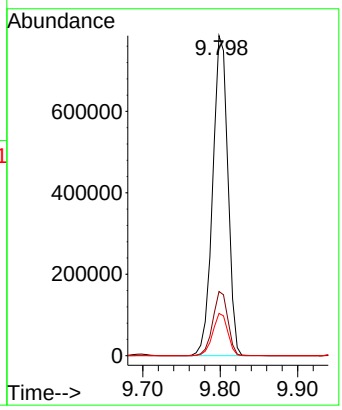


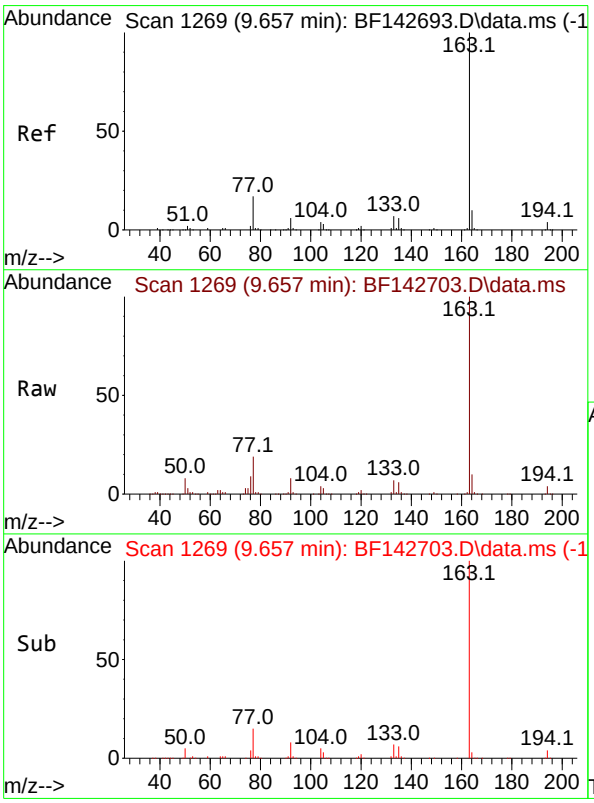
#49
Acenaphthylene
Concen: 47.099 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:152 Resp: 1066877

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.5	15.7

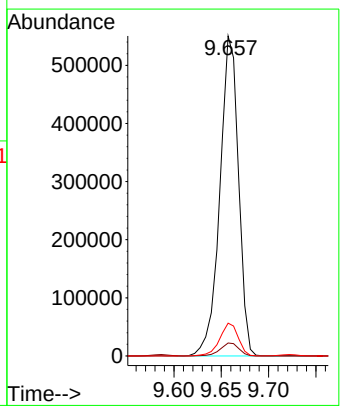


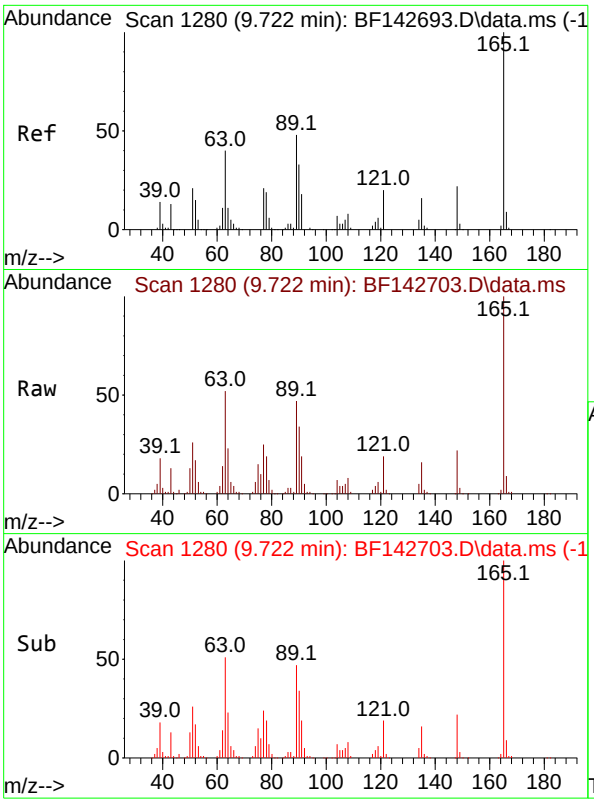


#50
Dimethylphthalate
Concen: 47.881 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:163 Resp: 755695

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.1	12.1



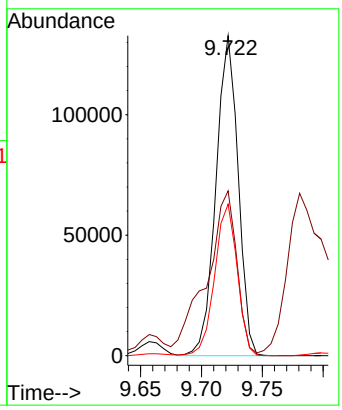


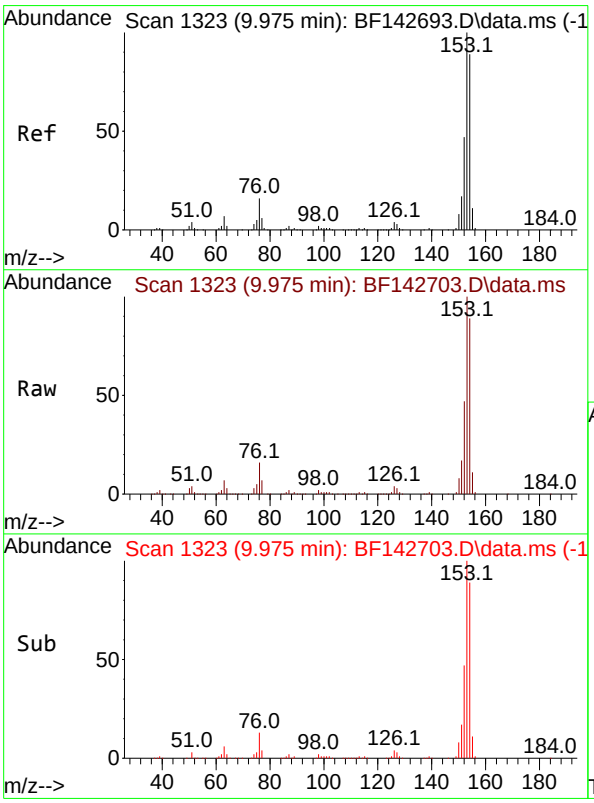
#51
2,6-Dinitrotoluene
Concen: 49.298 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:165 Resp: 168310

Ion	Ratio	Lower	Upper
165	100		
63	51.5	41.3	61.9
89	47.3	38.1	57.1

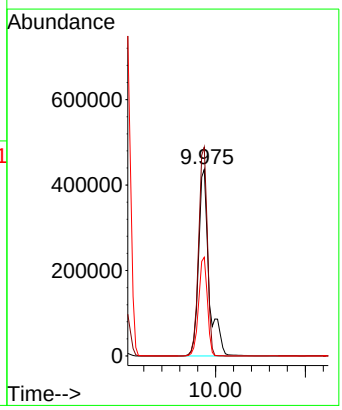


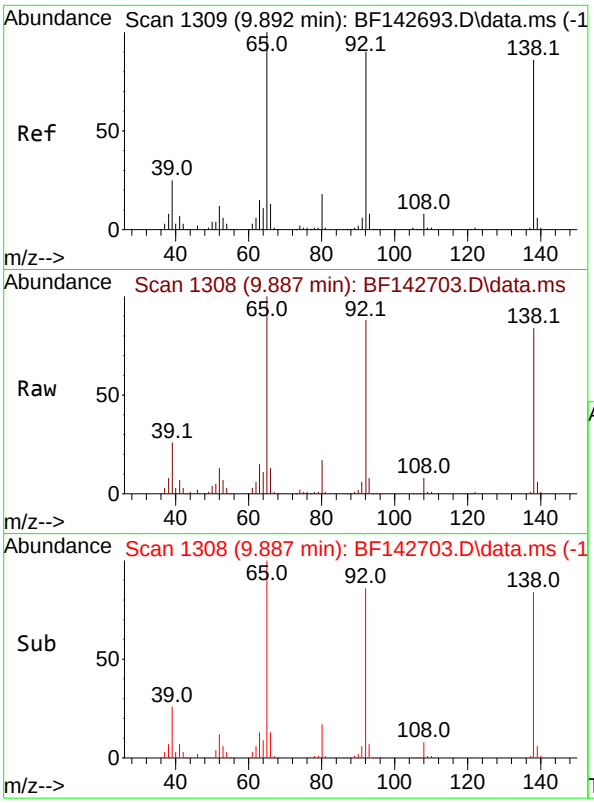


#52
Acenaphthene
Concen: 51.253 ng
RT: 9.975 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:154 Resp: 710194

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.5	134.3
152	53.0	41.8	62.8



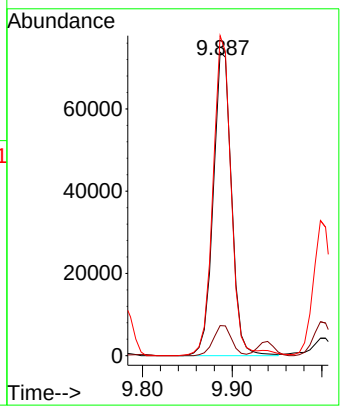


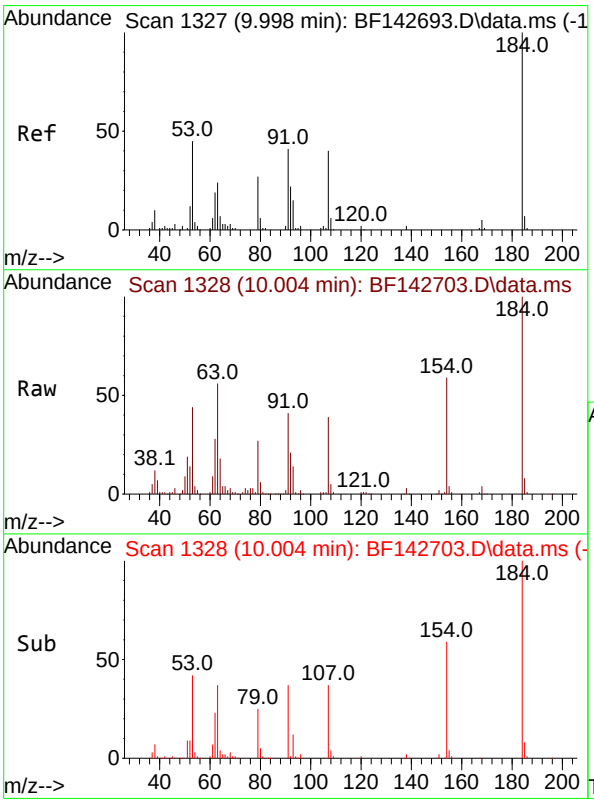
#53
3-Nitroaniline
Concen: 27.249 ng
RT: 9.887 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:138 Resp: 104535

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.7	11.5
92	105.4	83.4	125.0

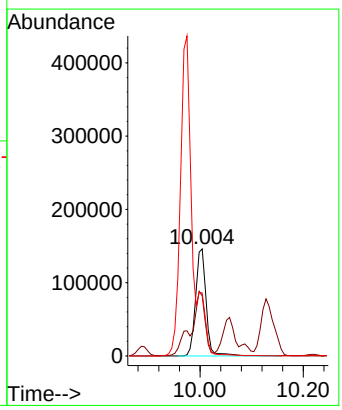


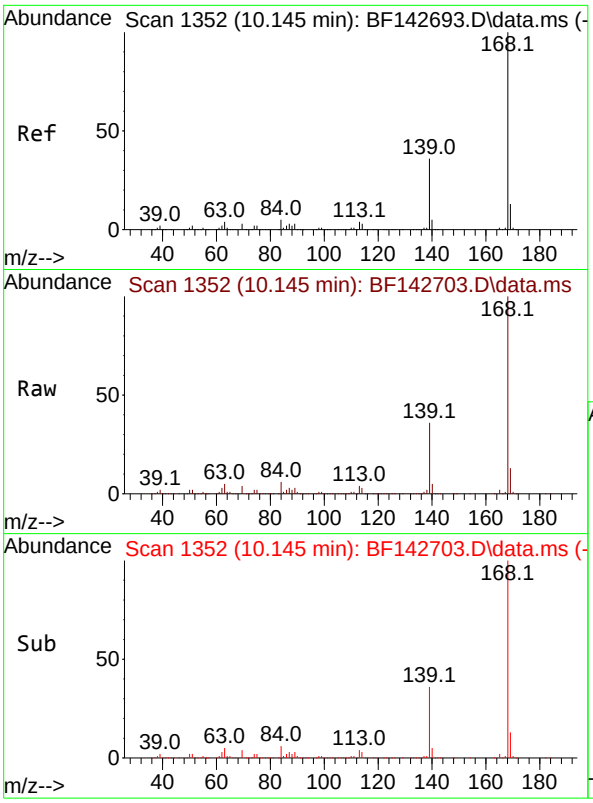


#54
2,4-Dinitrophenol
Concen: 110.393 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:184 Resp: 208671

Ion	Ratio	Lower	Upper
184	100		
63	56.1	47.4	71.0
154	58.9	48.6	73.0



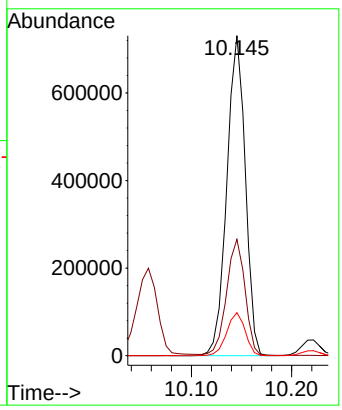


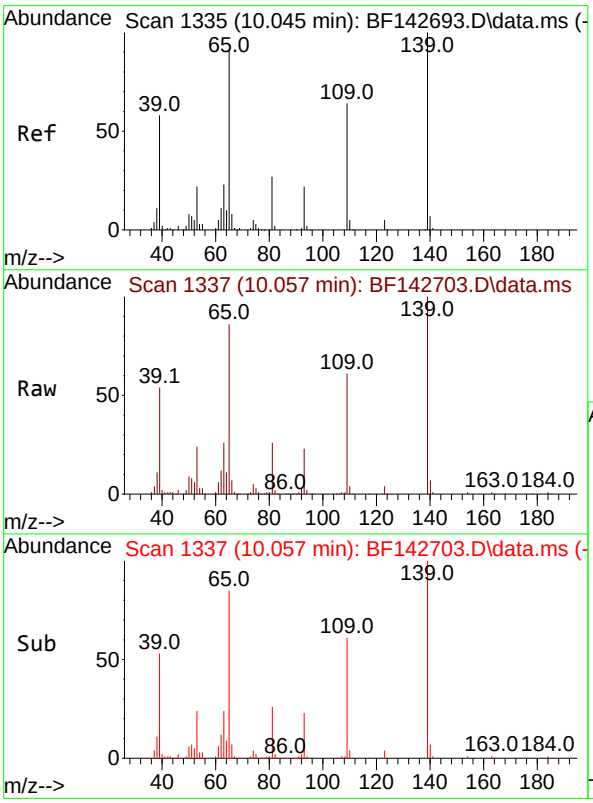
#55
Dibenzofuran
Concen: 47.089 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:168 Resp: 936093

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.2	43.8
169	13.5	10.7	16.1

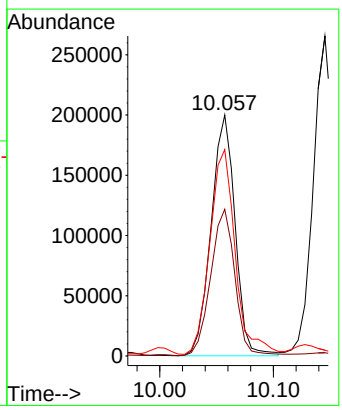


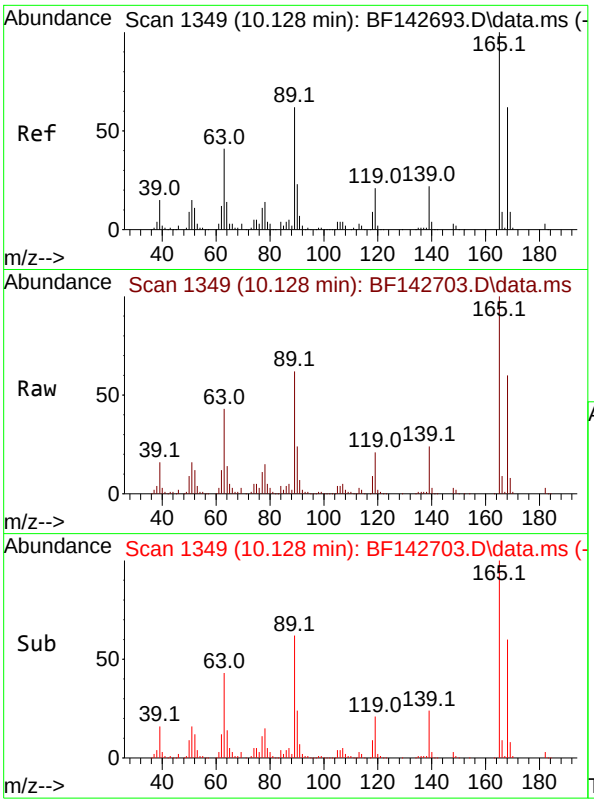


#56
4-Nitrophenol
Concen: 111.243 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:139 Resp: 293333

Ion	Ratio	Lower	Upper
139	100		
109	60.9	44.4	84.4
65	85.7	72.1	112.1



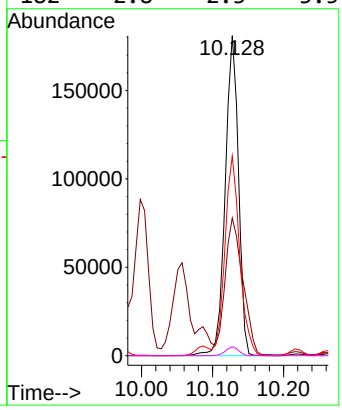


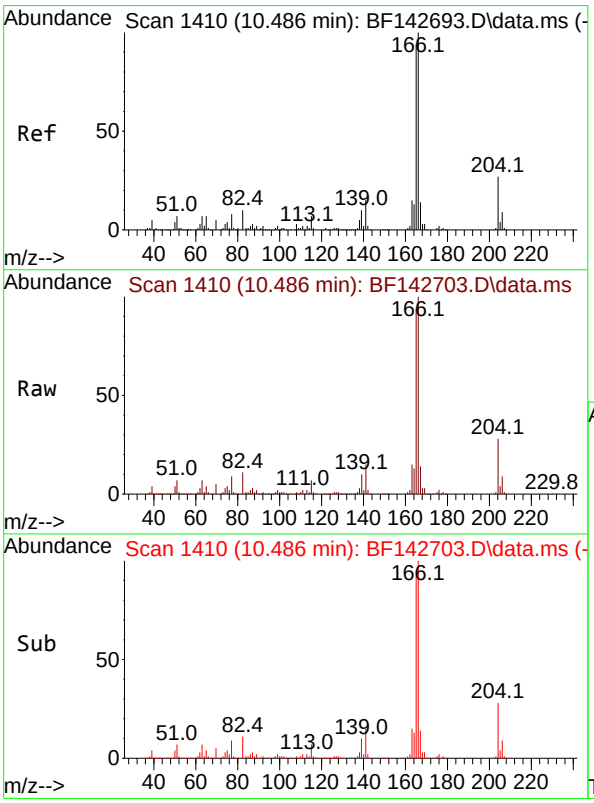
#57
2,4-Dinitrotoluene
Concen: 51.208 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:165 Resp: 234351

Ion	Ratio	Lower	Upper
165	100		
63	43.0	33.6	50.4
89	62.4	49.4	74.0
182	2.8	2.3	3.5

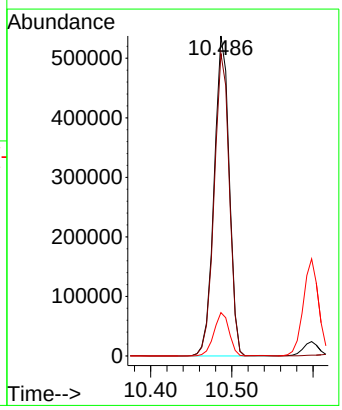


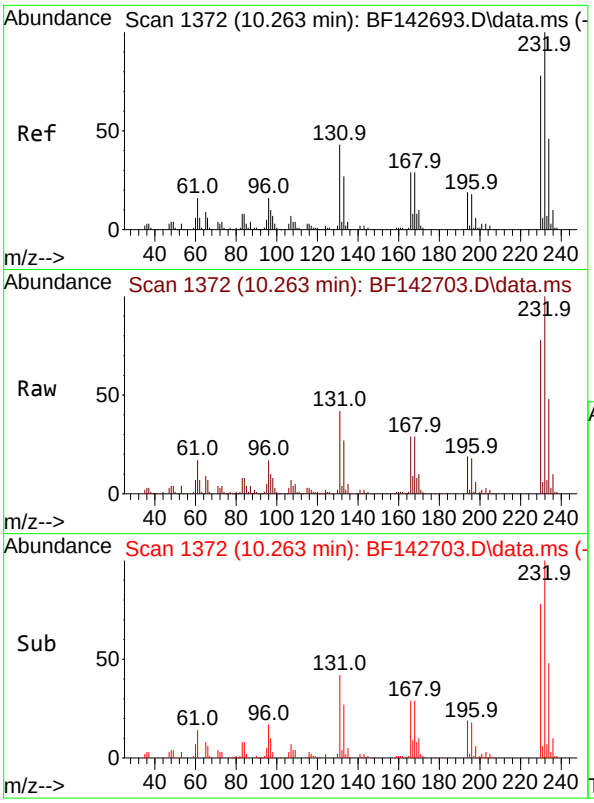


#58
Fluorene
Concen: 43.943 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:166 Resp: 698219

Ion	Ratio	Lower	Upper
166	100		
165	94.5	75.0	112.6
167	13.5	10.8	16.2



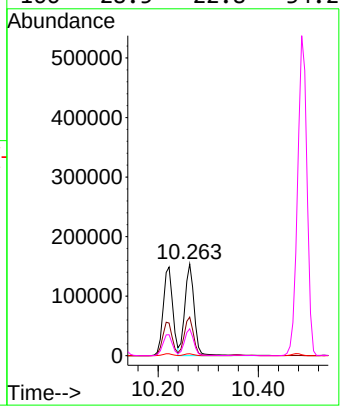


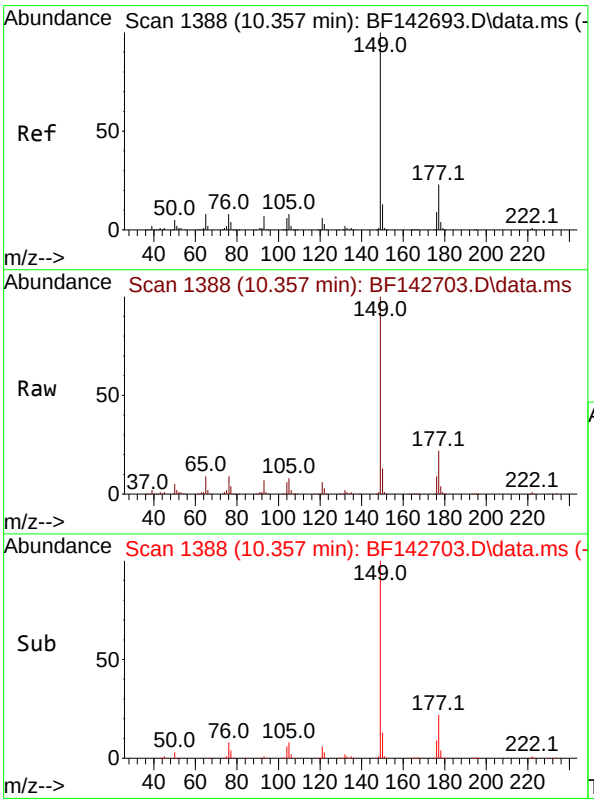
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.784 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:232 Resp: 199035

Ion	Ratio	Lower	Upper
232	100		
131	41.9	33.5	50.3
130	2.2	1.5	2.3
166	28.5	22.8	34.2

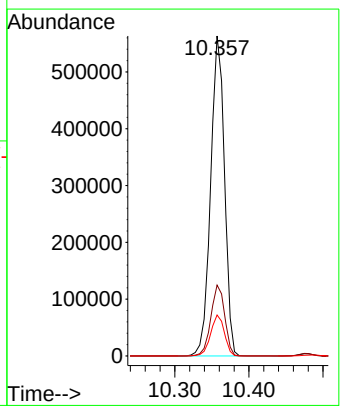


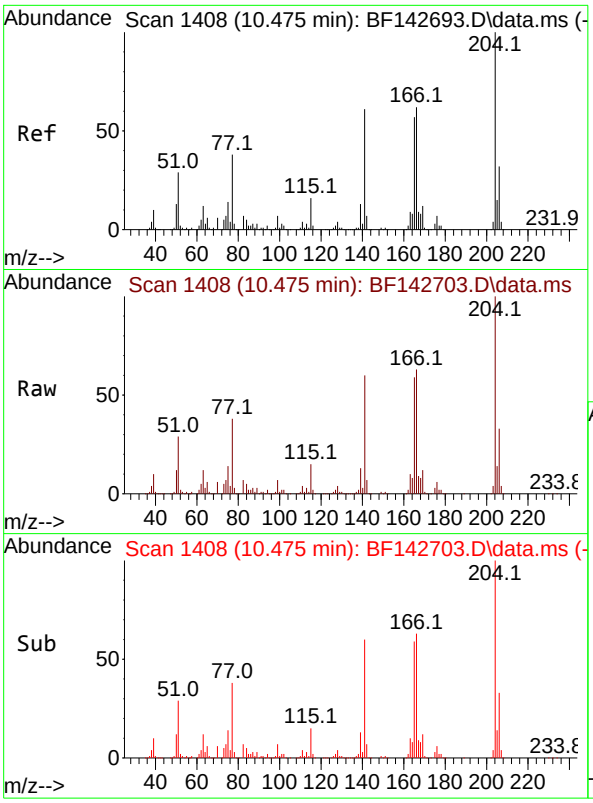


#60
Diethylphthalate
Concen: 47.740 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 731481

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.8	10.0	15.0



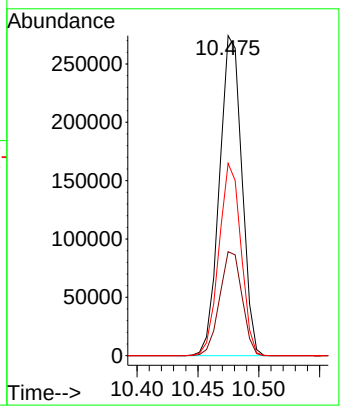


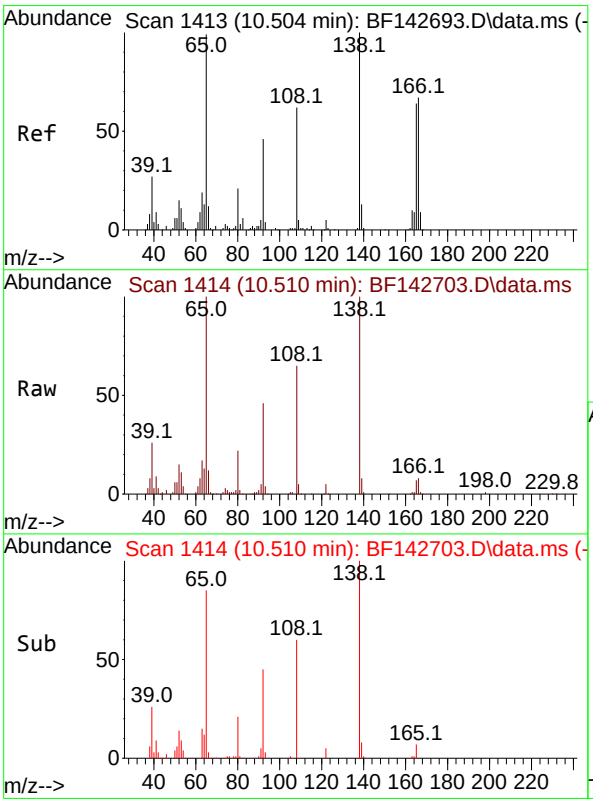
#61
4-Chlorophenyl-phenylether
Concen: 46.831 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:204 Resp: 351812

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	60.1	48.9	73.3

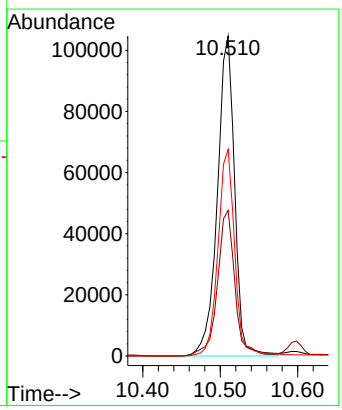


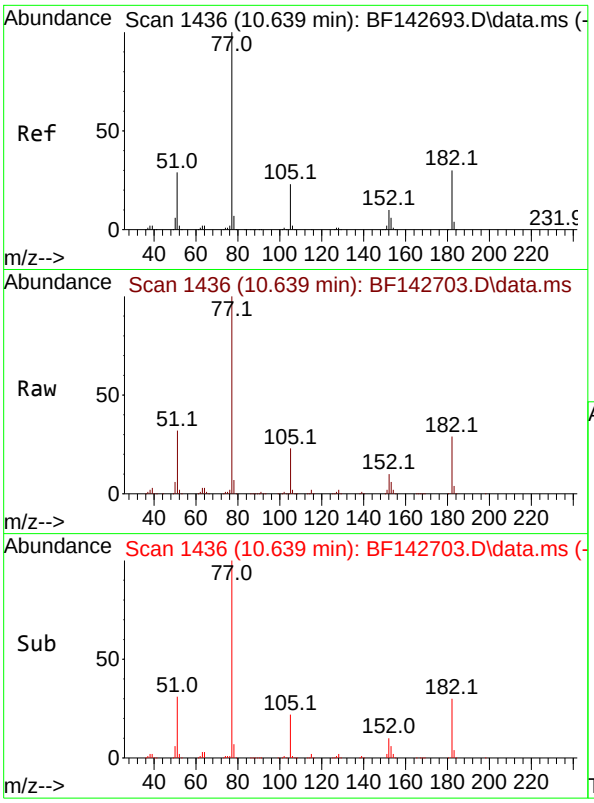


#62
4-Nitroaniline
Concen: 44.521 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:138 Resp: 162018

Ion	Ratio	Lower	Upper
138	100		
92	45.5	25.8	65.8
108	64.5	42.3	82.3



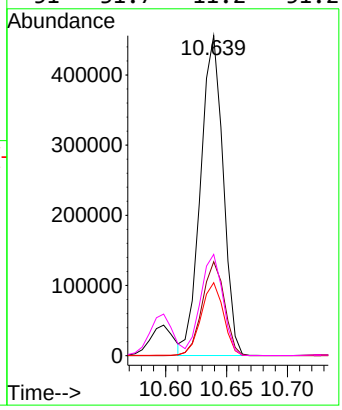


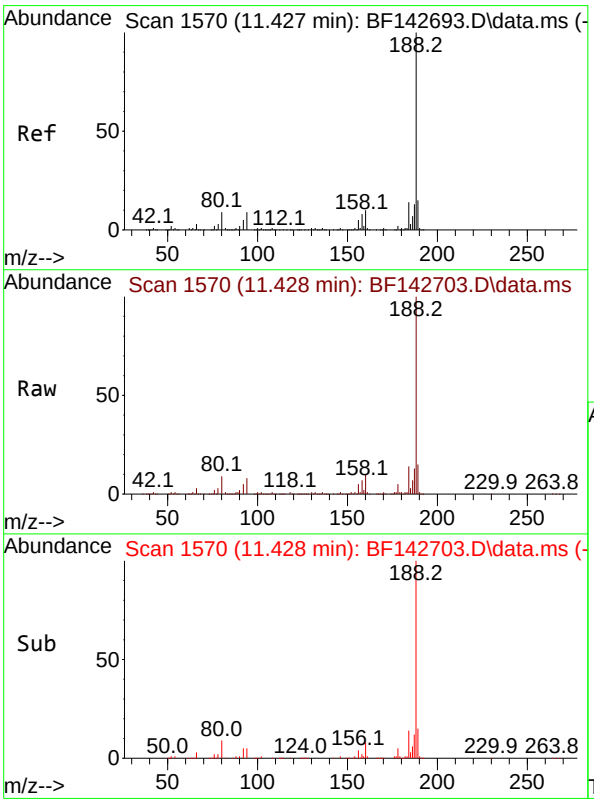
#63
Azobenzene
Concen: 42.653 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion: 77 Resp: 585420

Ion	Ratio	Lower	Upper
77	100		
182	29.3	9.5	49.5
105	22.8	2.3	42.3
51	31.7	11.2	51.2

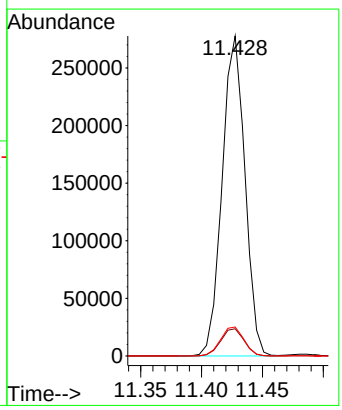


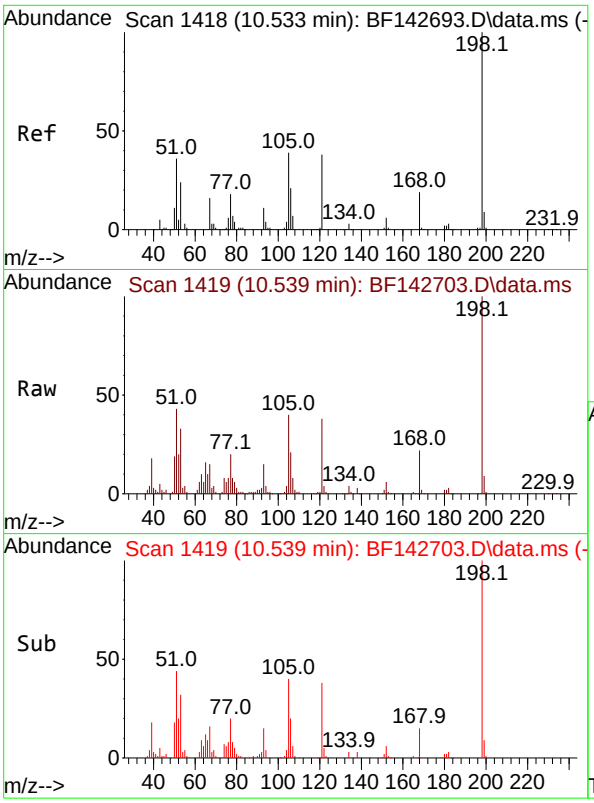


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:188 Resp: 361738

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.0	10.4
80	9.1	7.2	10.8



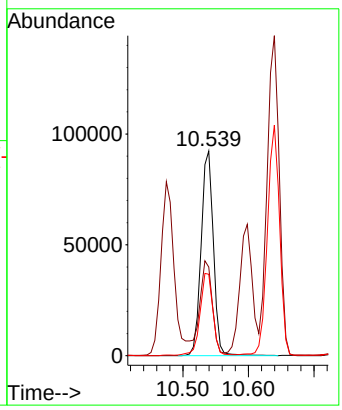


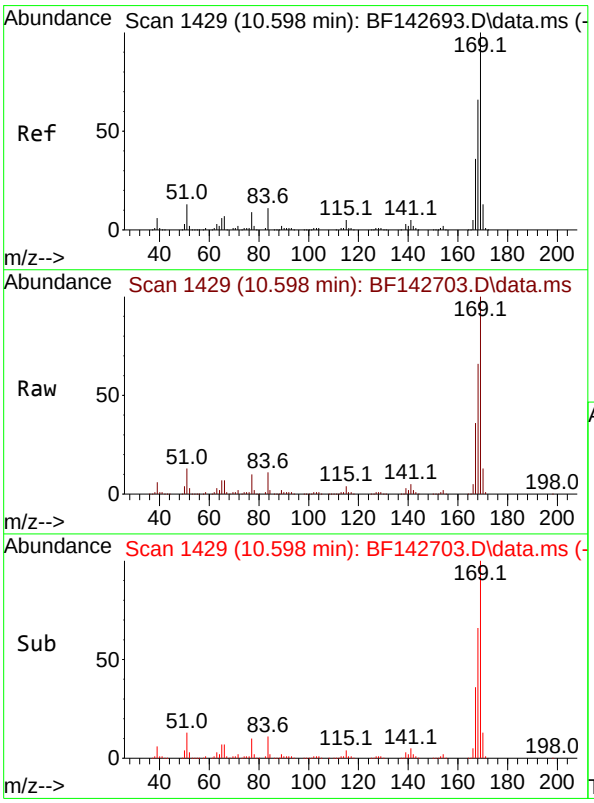
#65
4,6-Dinitro-2-methylphenol
Concen: 52.260 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:198 Resp: 120572

Ion	Ratio	Lower	Upper
198	100		
51	43.3	25.9	65.9
105	39.8	20.0	60.0

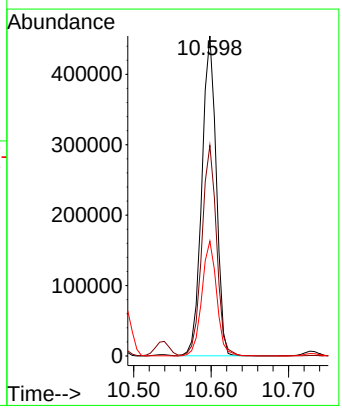


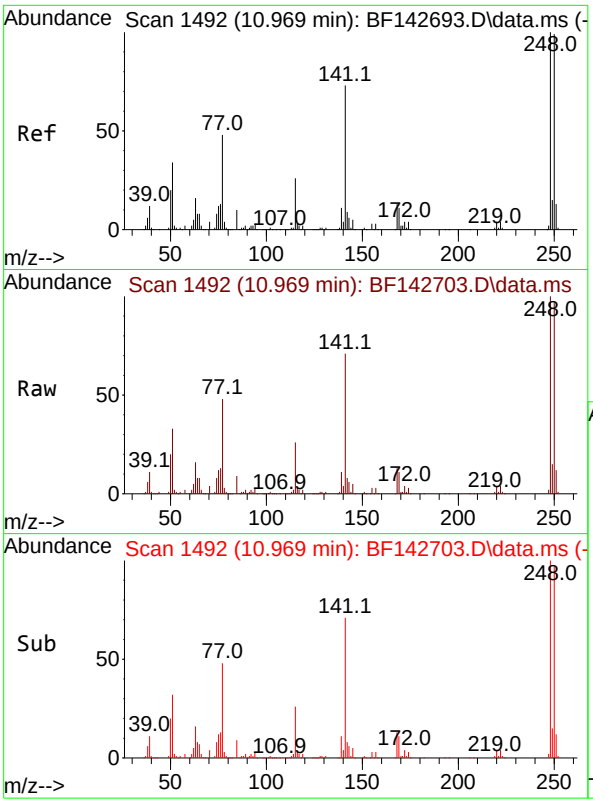


#66
n-Nitrosodiphenylamine
Concen: 50.131 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:169 Resp: 585501

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.1	79.7
167	35.9	28.4	42.6



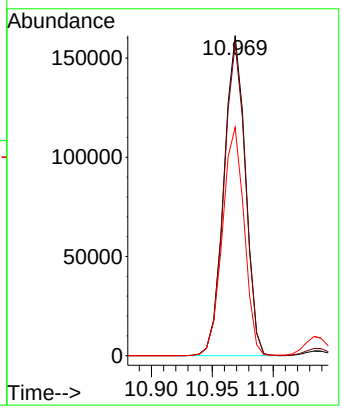


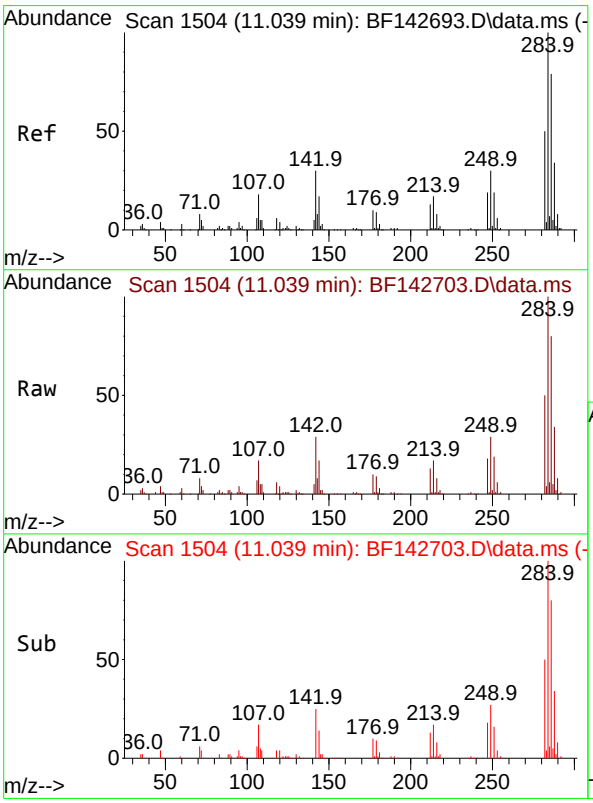
#67
4-Bromophenyl-phenylether
Concen: 49.738 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:248 Resp: 198868

Ion	Ratio	Lower	Upper
248	100		
250	97.5	79.1	118.7
141	71.4	58.5	87.7

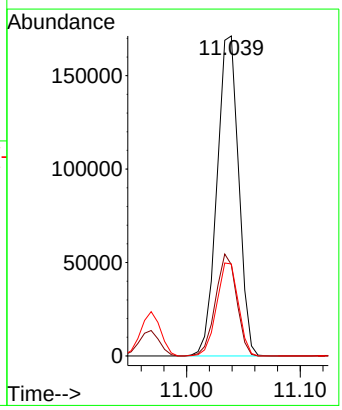


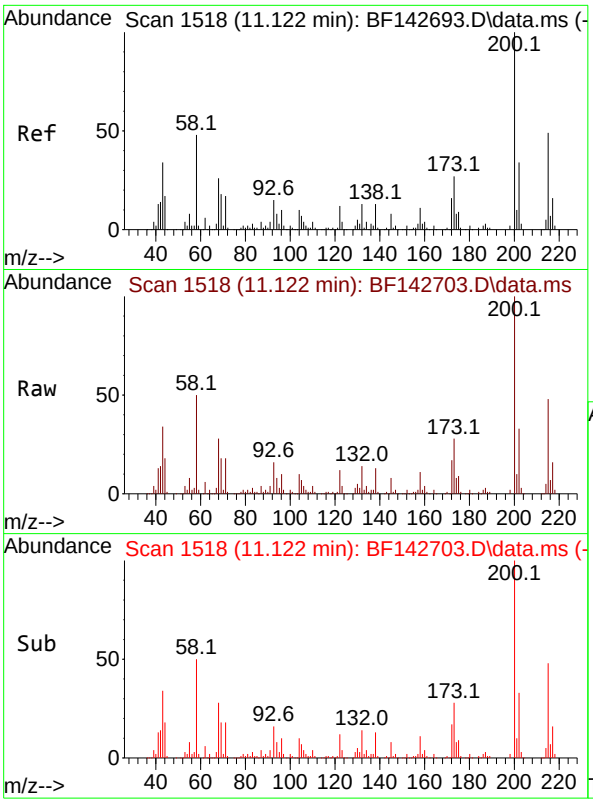


#68
Hexachlorobenzene
Concen: 49.413 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:284 Resp: 227017

Ion	Ratio	Lower	Upper
284	100		
142	28.5	23.6	35.4
249	28.8	23.8	35.8



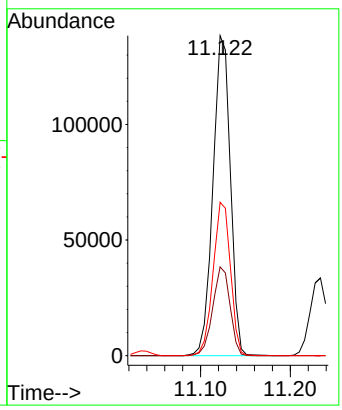


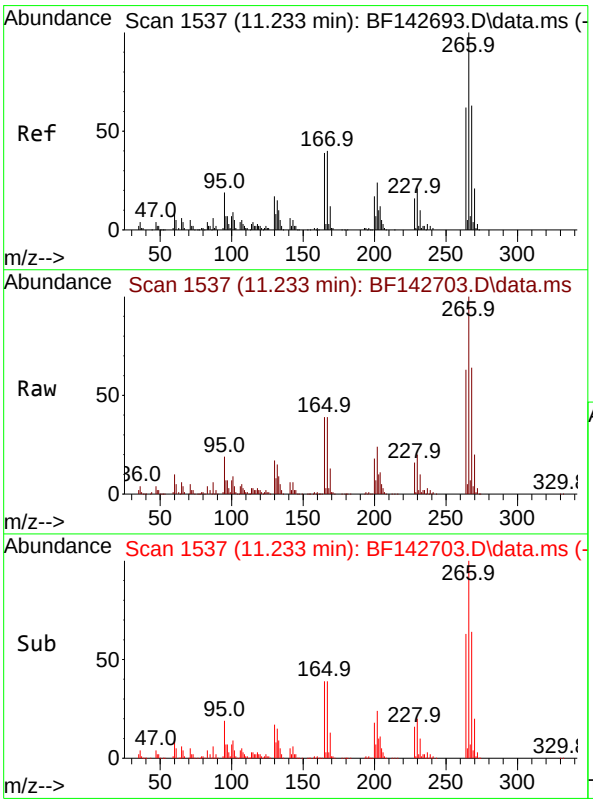
#69
Atrazine
Concen: 52.600 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:200 Resp: 186305

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	48.0	28.9	68.9

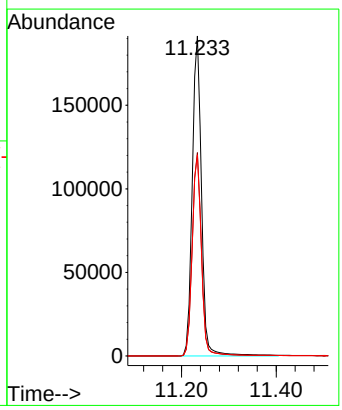


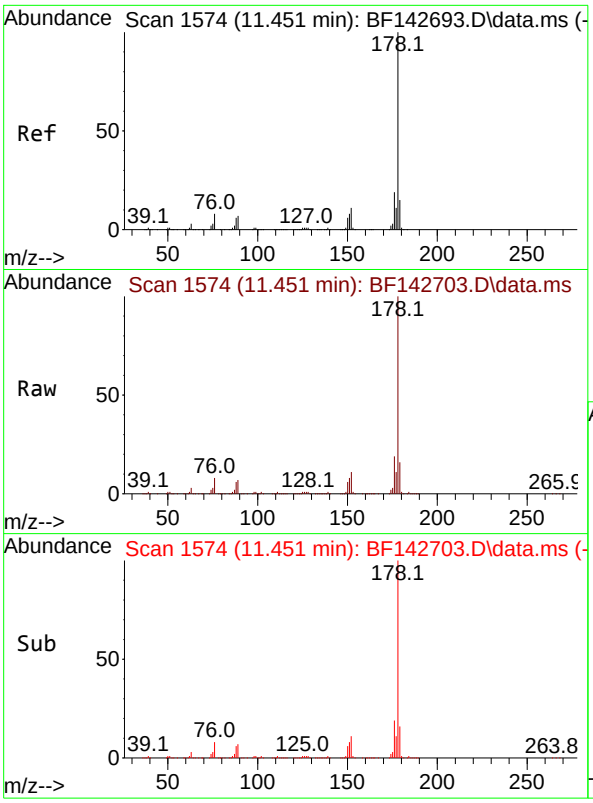


#70
Pentachlorophenol
Concen: 103.055 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:266 Resp: 260373

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.8	76.2
264	62.9	49.7	74.5



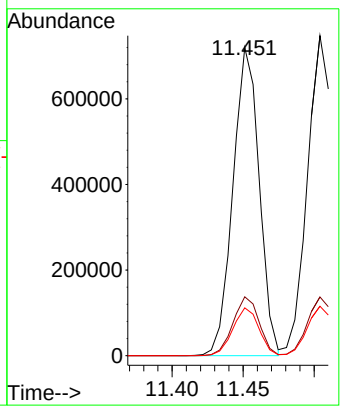


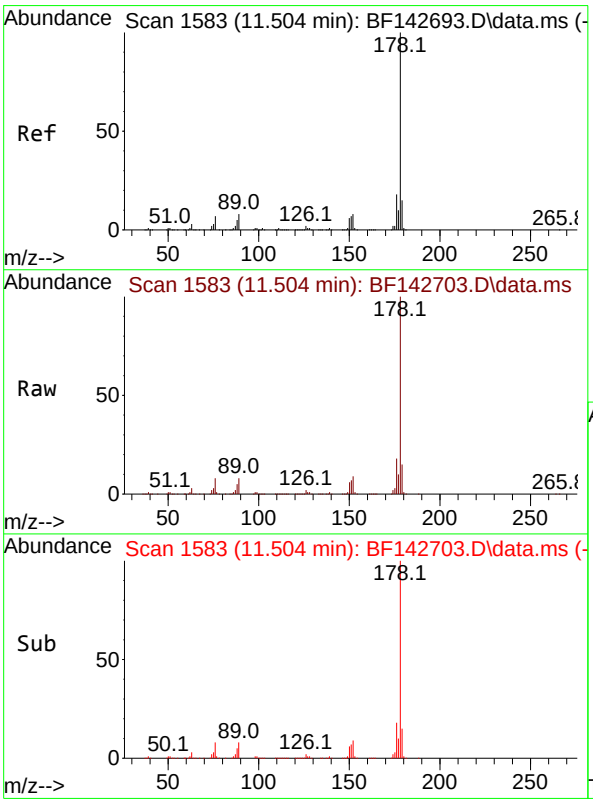
#71
Phenanthrene
Concen: 47.923 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:178 Resp: 926763

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.5	12.4	18.6

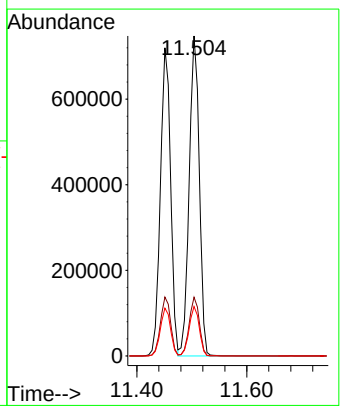


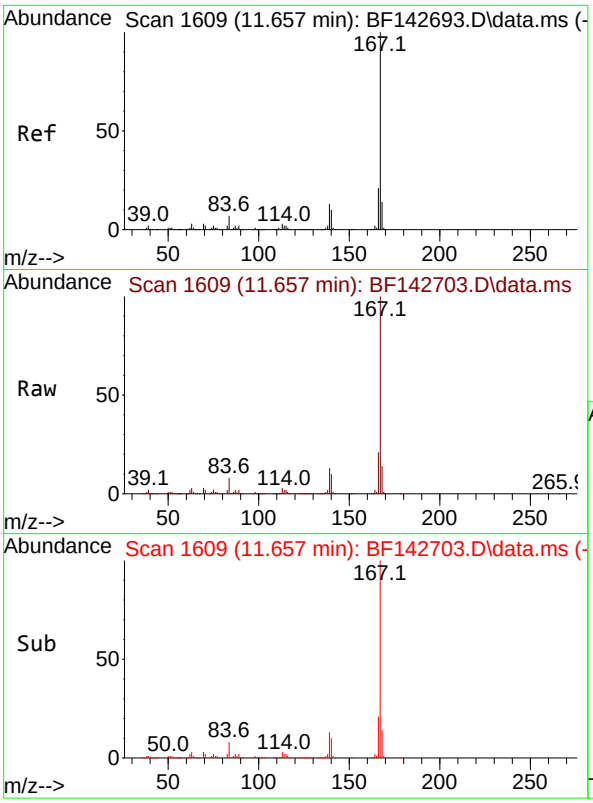


#72
Anthracene
Concen: 47.541 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:178 Resp: 954092

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.2	18.2



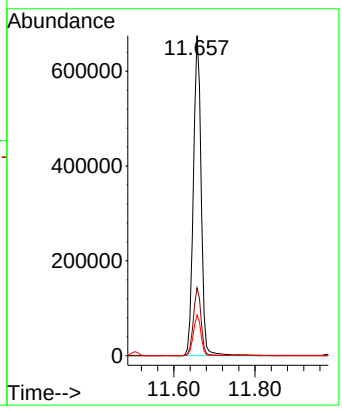


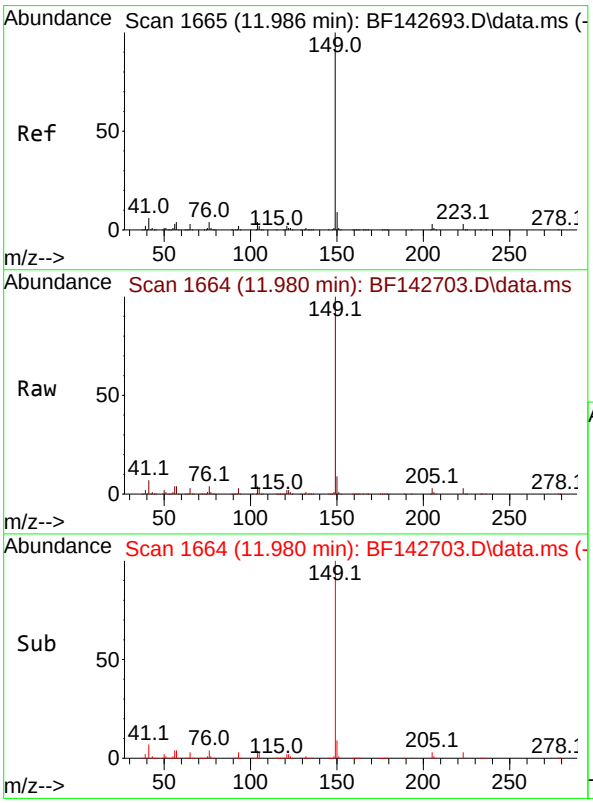
#73
Carbazole
Concen: 49.986 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:167 Resp: 903318

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.7	10.1	15.1

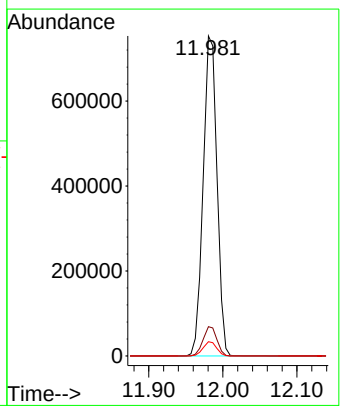


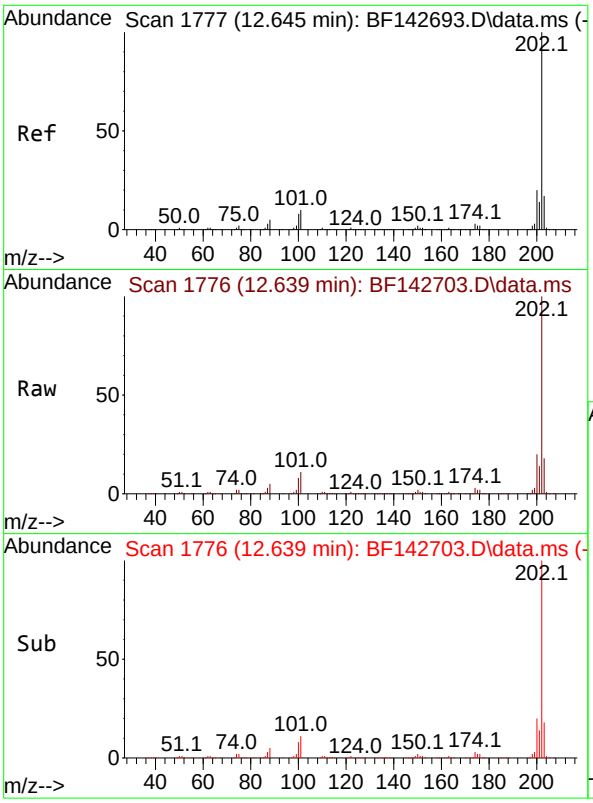


#74
Di-n-butylphthalate
Concen: 50.939 ng
RT: 11.980 min Scan# 1664
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 977260

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.4	3.3	4.9



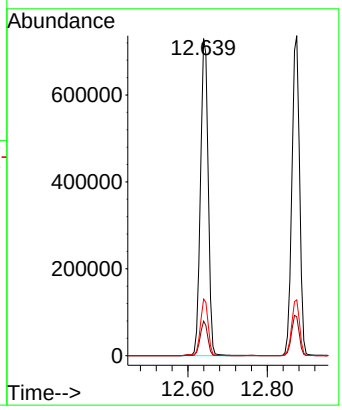


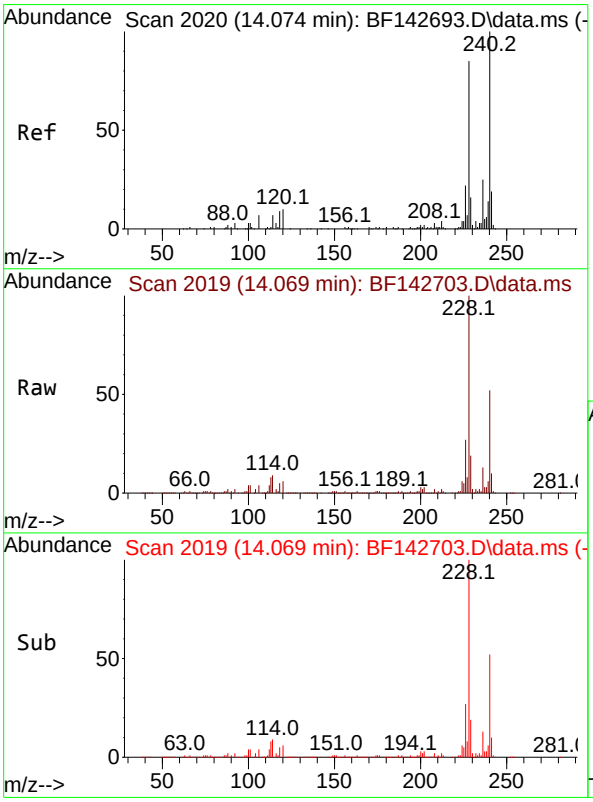
#75
Fluoranthene
Concen: 50.634 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:202 Resp: 981068

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.2
203	17.9	0.0	37.3

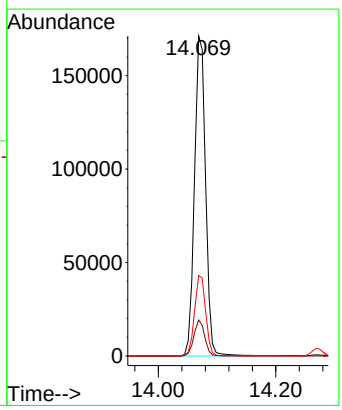


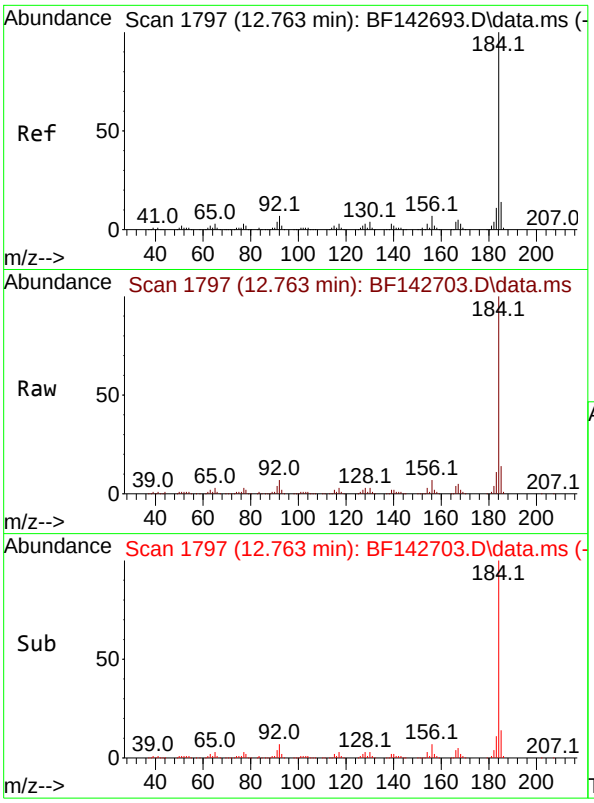


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:240 Resp: 224252

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.4	12.6
236	25.2	20.2	30.2



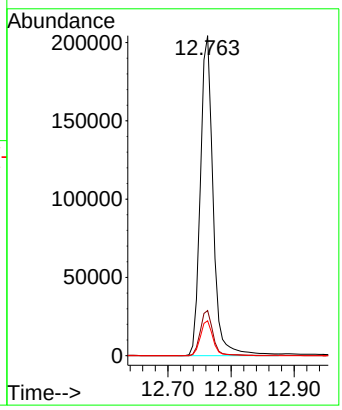


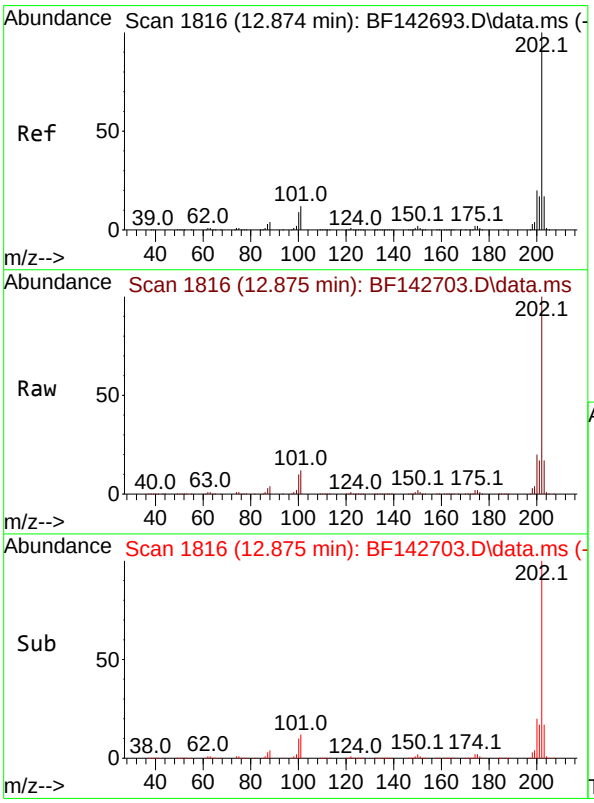
#77
Benzidine
Concen: 37.279 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:184 Resp: 288524

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	10.9	8.9	13.3

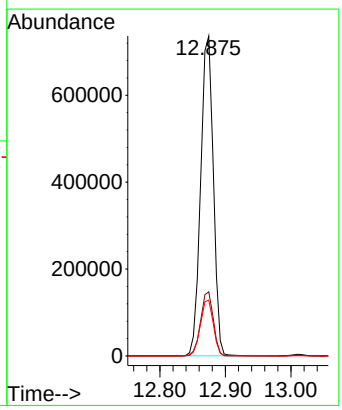


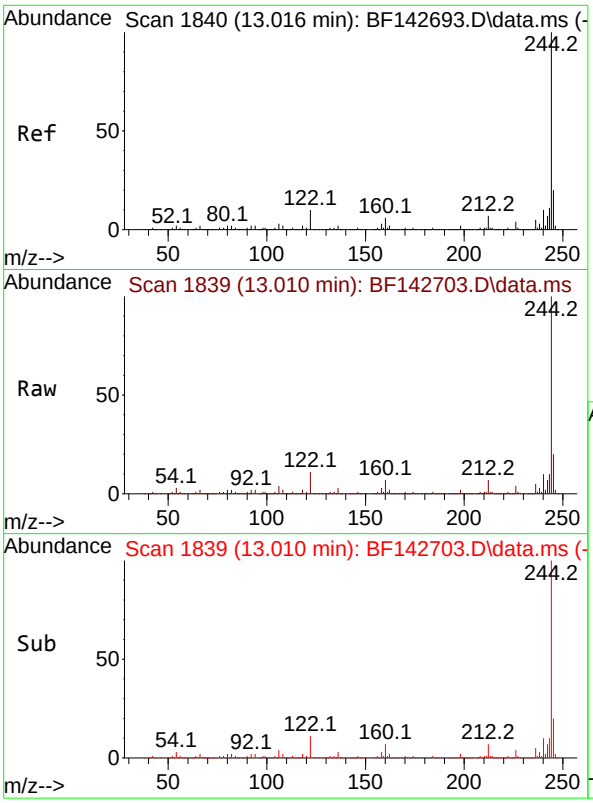


#78
Pyrene
Concen: 54.407 ng
RT: 12.875 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:202 Resp: 994180

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.5	13.9	20.9



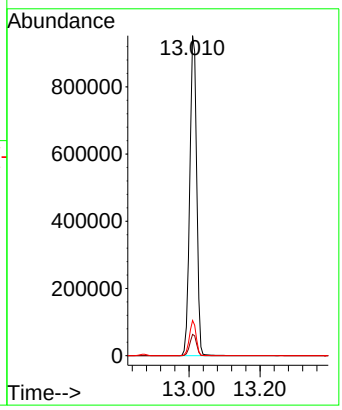


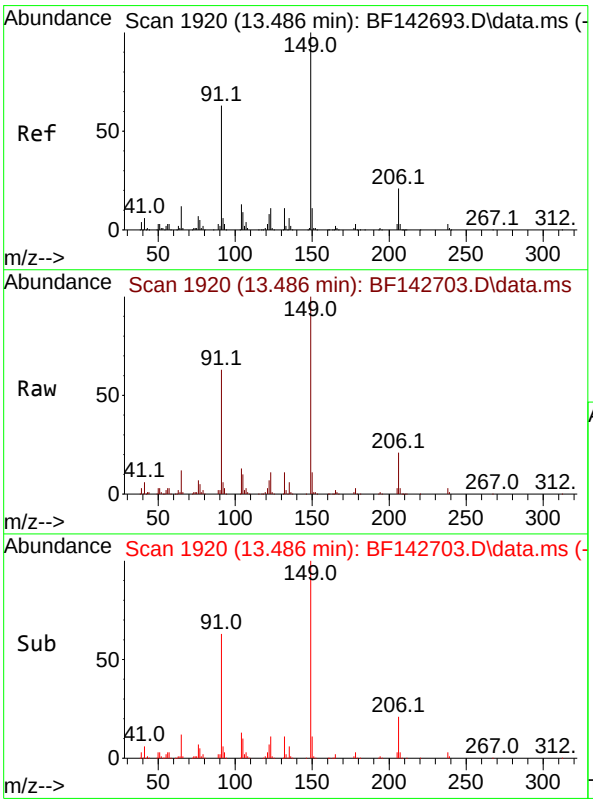
#79
Terphenyl-d14
Concen: 90.810 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:244 Resp: 1287648

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.3	7.9
122	11.0	8.2	12.2

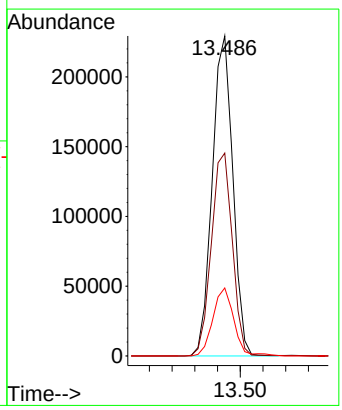


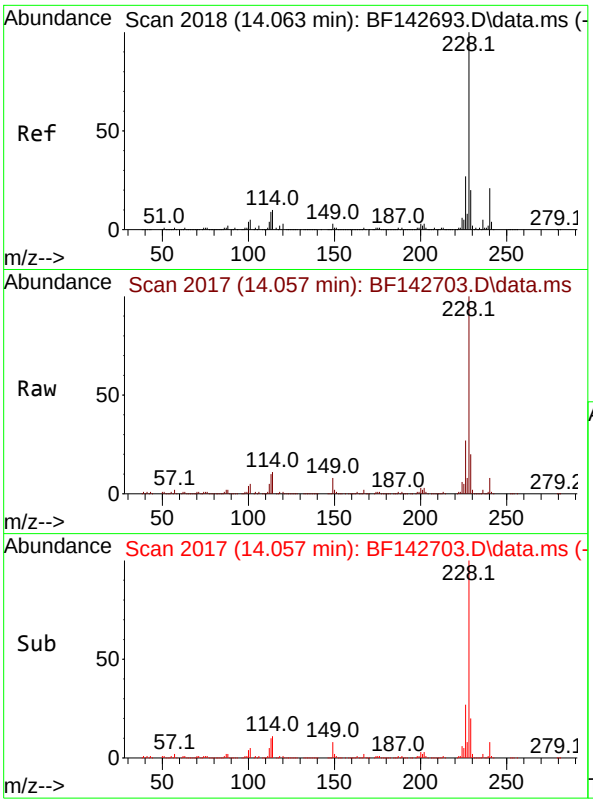


#80
Butylbenzylphthalate
Concen: 51.251 ng
RT: 13.486 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 288402

Ion	Ratio	Lower	Upper
149	100		
91	63.4	50.5	75.7
206	21.3	16.9	25.3



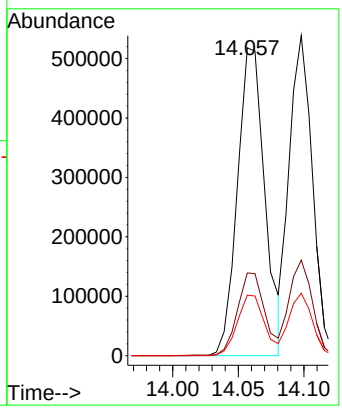


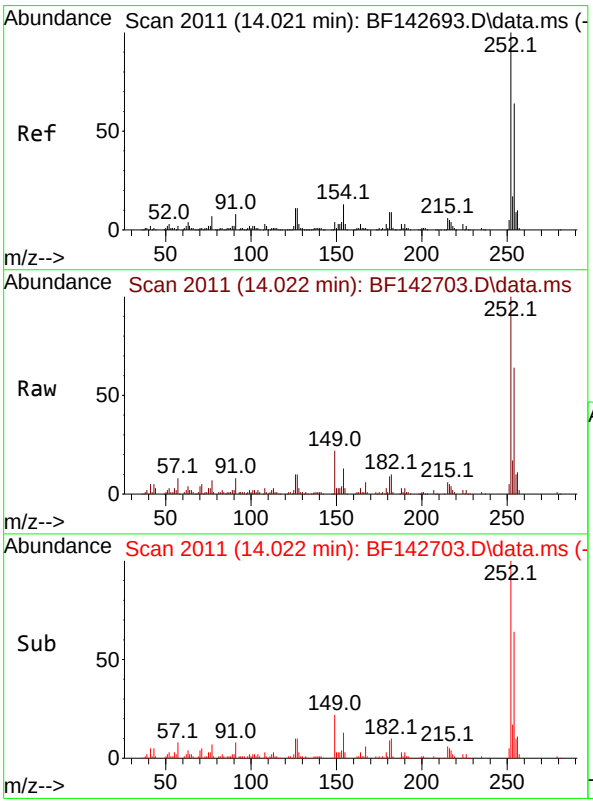
#81
Benzo(a)anthracene
Concen: 51.928 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:228 Resp: 755742

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.7	15.8	23.6

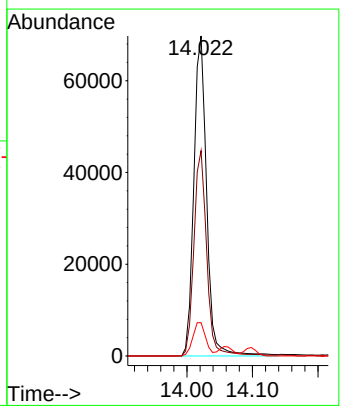


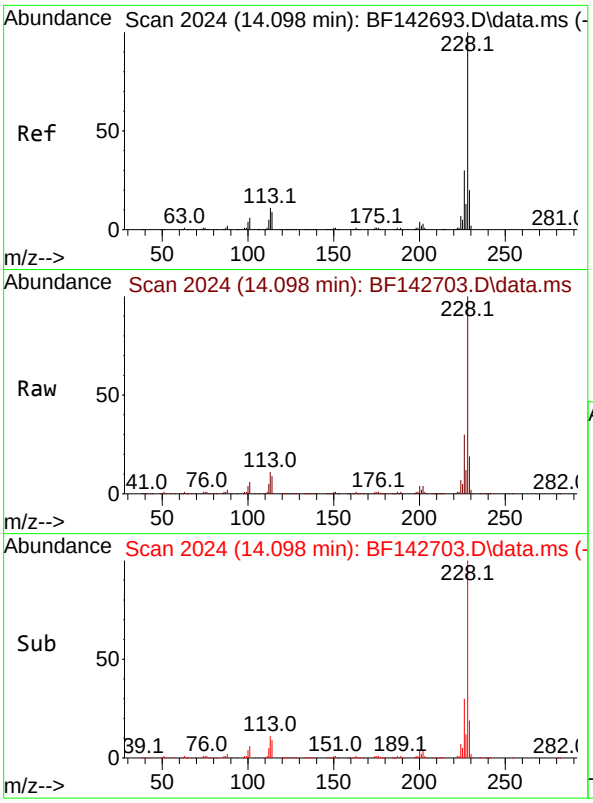


#82
3,3'-Dichlorobenzidine
Concen: 20.485 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 95297

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.4	77.2
126	10.4	9.1	13.7



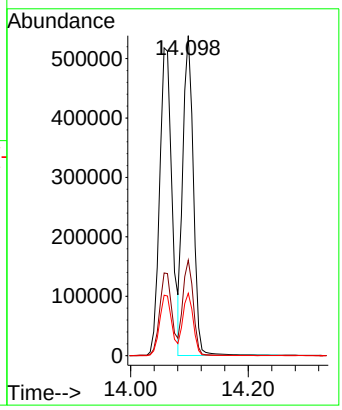


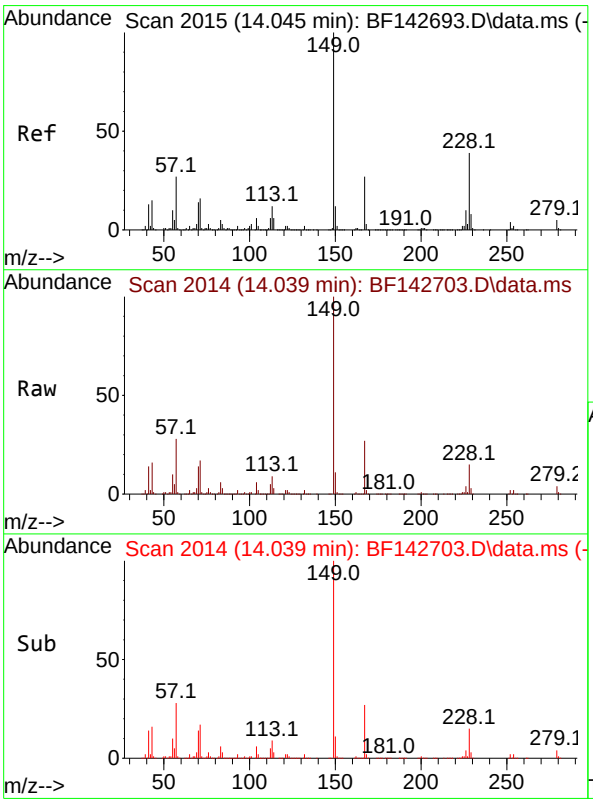
#83
Chrysene
Concen: 48.511 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:228 Resp: 668732

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.5	15.8	23.6

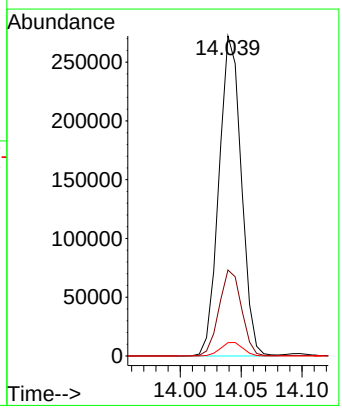


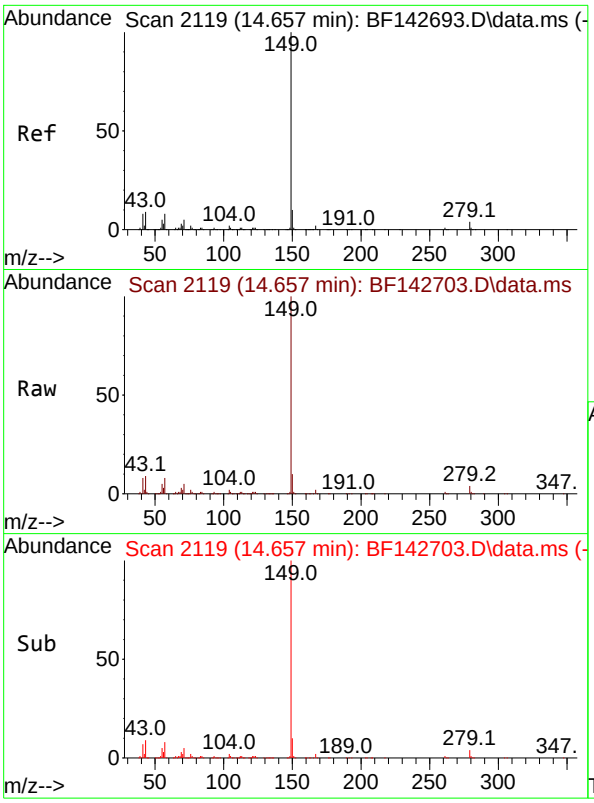


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.219 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:149 Resp: 348342

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.9	32.9
279	4.2	3.6	5.4



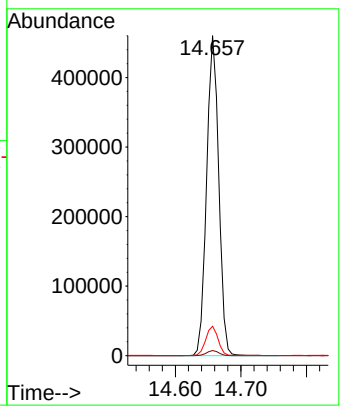


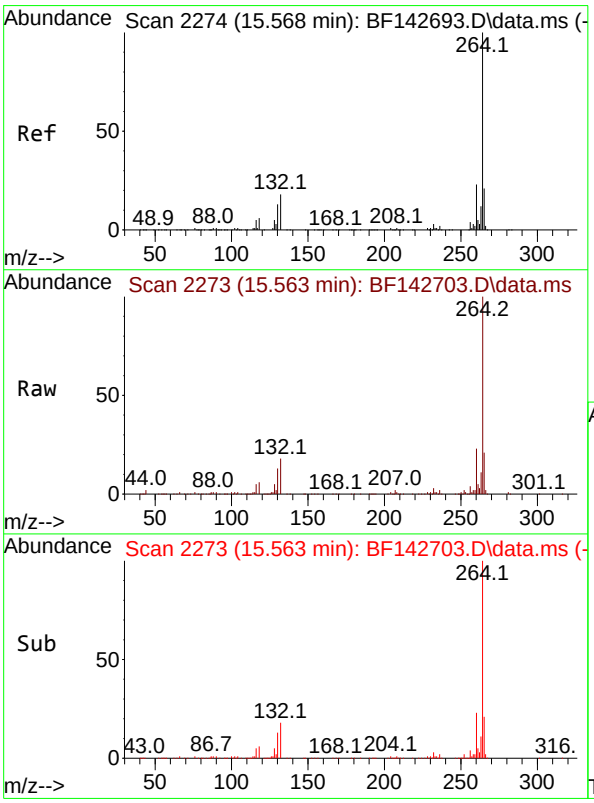
#85
Di-n-octyl phthalate
Concen: 47.404 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:149 Resp: 592340

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.2	7.5	11.3

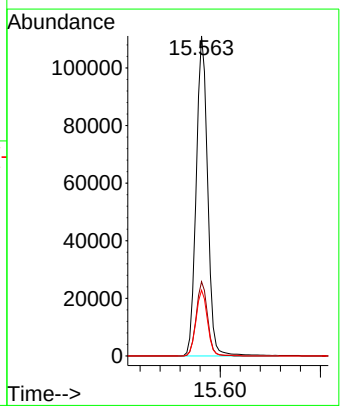


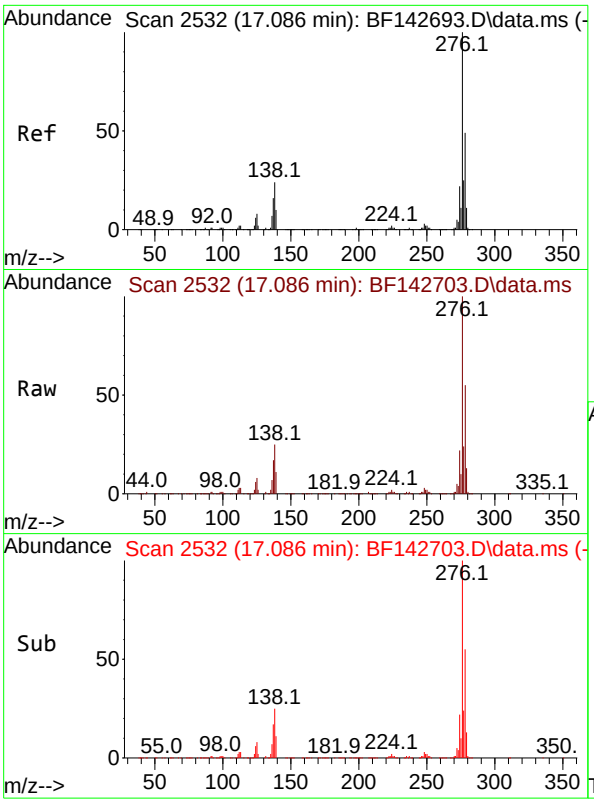


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:264 Resp: 175871

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	20.5	17.0	25.4



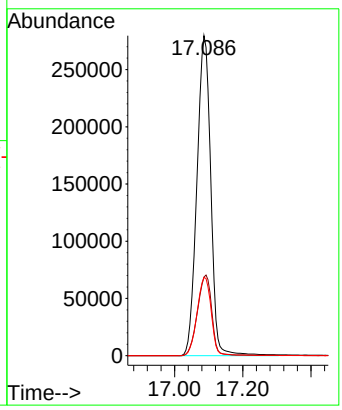


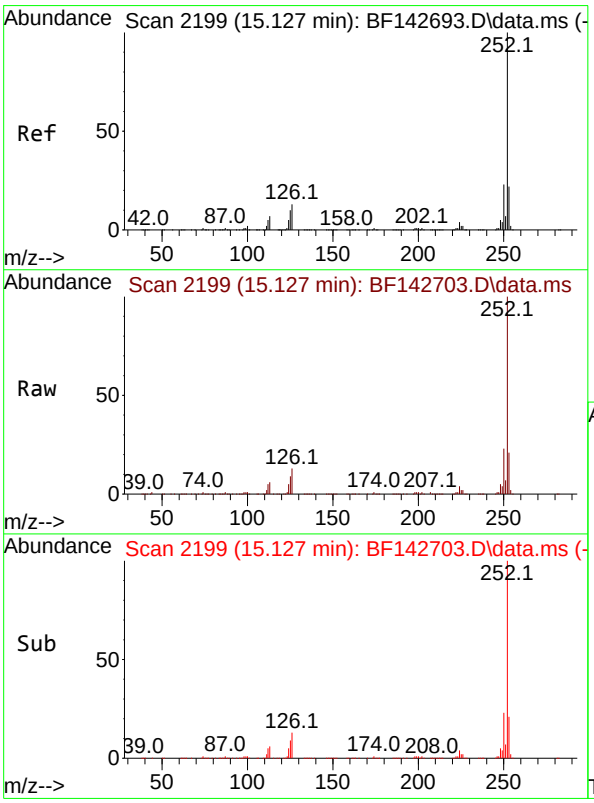
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.481 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:276 Resp: 789735

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.8	31.2
277	25.1	20.2	30.2

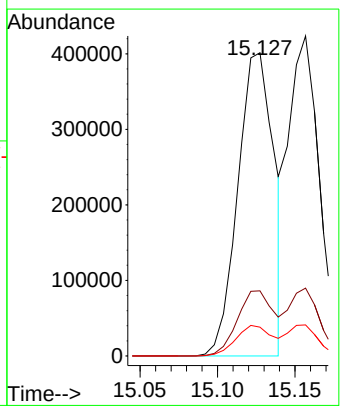


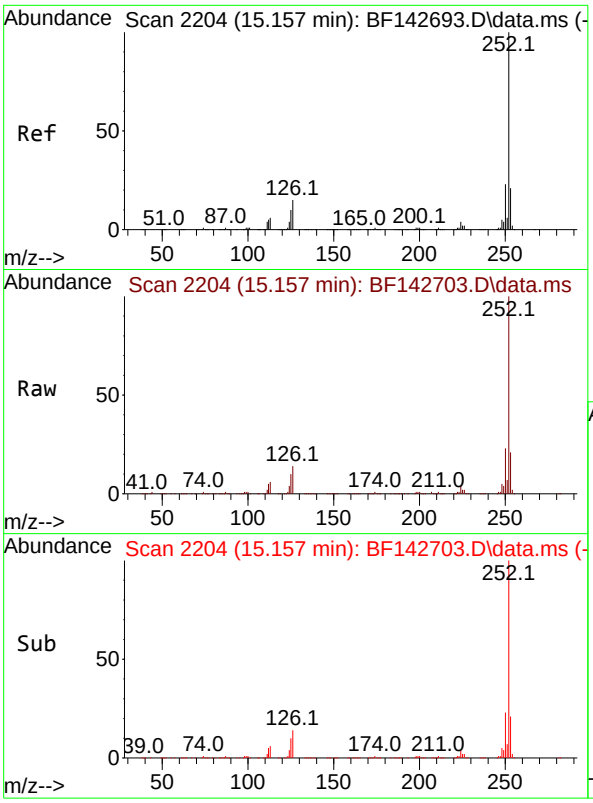


#88
Benzo(b)fluoranthene
Concen: 62.011 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 651571

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	9.5	7.8	11.8



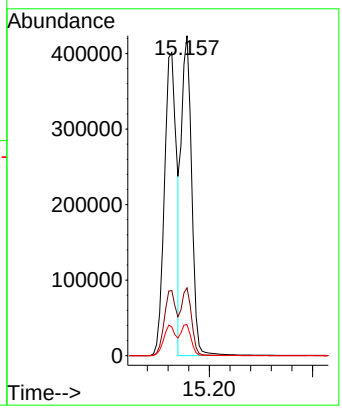


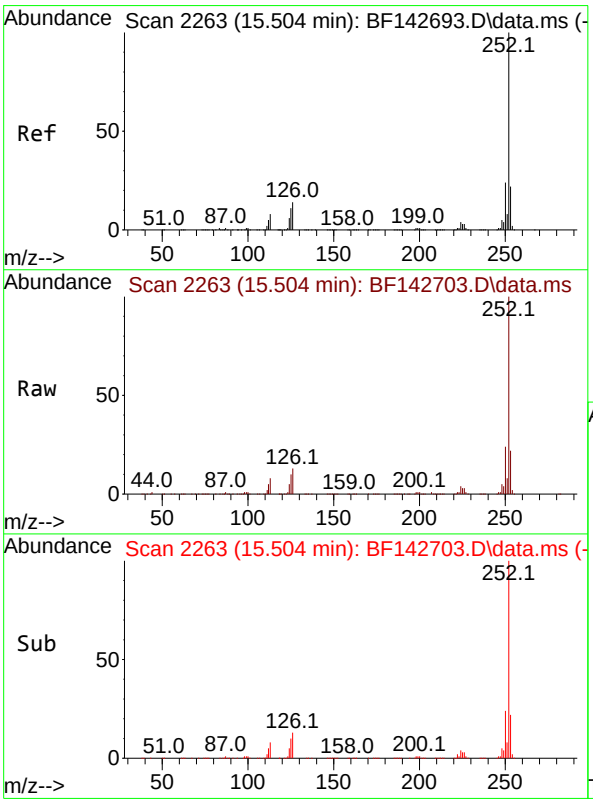
#89
Benzo(k)fluoranthene
Concen: 59.587 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

Tgt Ion:252 Resp: 589170

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	9.7	7.7	11.5

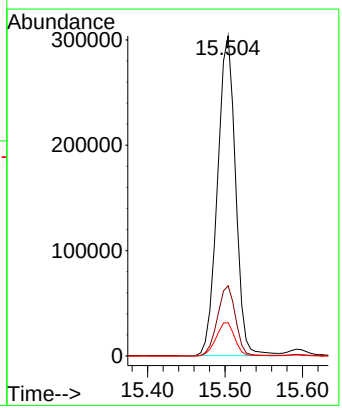


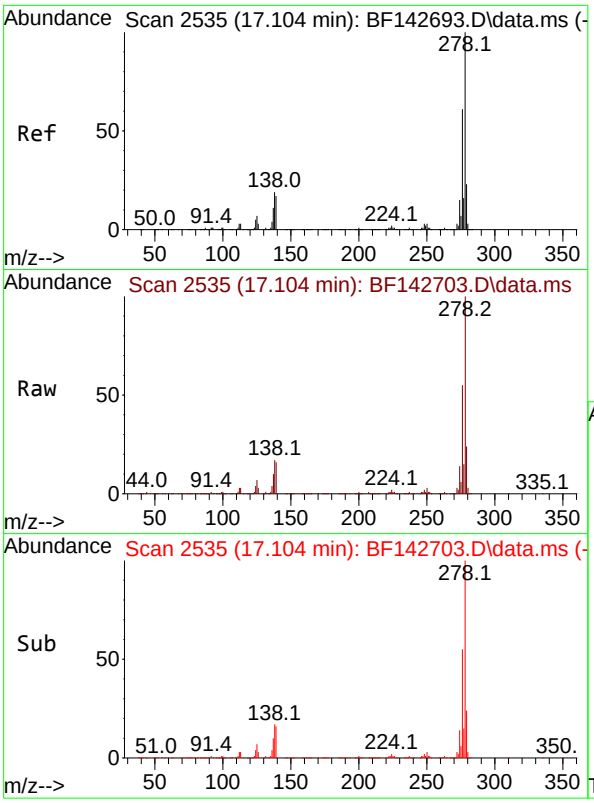


#90
Benzo(a)pyrene
Concen: 50.007 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:252 Resp: 492373

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.4	8.8	13.2



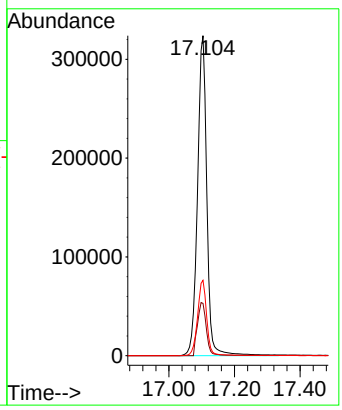


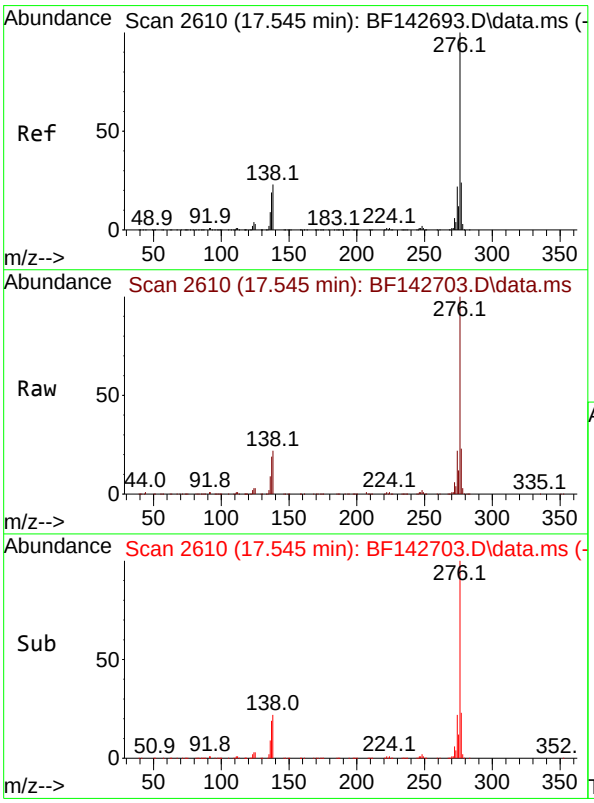
#91
Dibenzo(a,h)anthracene
Concen: 64.156 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB168351BS

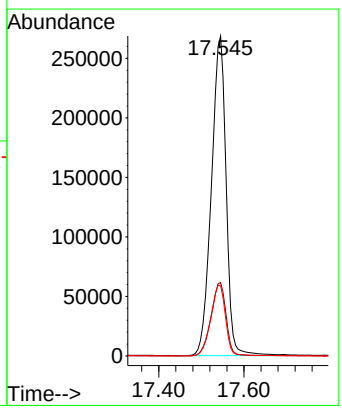
Tgt Ion:278 Resp: 642495

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.4	20.0
279	23.5	18.7	28.1





#92
Benzo(g,h,i)perylene
Concen: 62.114 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF142703.D
Acq: 10 Jun 2025 10:37

Tgt Ion:276 Resp: 644132

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	21.9	18.2	27.2