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Cover Page

Order ID : Q2807

Project ID : Girard School - PA

Client : Kleinfelder

Lab Sample Number	Client Sample Number
Q2807-01	COMP-4
Q2807-02	COMP-5
Q2807-03	COMP-6

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: 8/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2807**

	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: **KETAN PATEL** **Date:** **08/19/2025**

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LAB CHRONICLE

OrderID:	Q2807	**OrderDate:**	8/8/2025 10:01:00 AM
Client:	Kleinfelder	**Project:**	Girard School - PA
Contact:	Mark Warchol	**Location:**	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2807-01	**COMP-4**	**SOIL**			**08/07/25**			**08/08/25**
			SVOCMS Group1	8270E		08/11/25	08/12/25	
Q2807-02	**COMP-5**	**SOIL**			**08/07/25**			**08/08/25**
			SVOCMS Group1	8270E		08/11/25	08/12/25	
Q2807-03	**COMP-6**	**SOIL**			**08/07/25**			**08/08/25**
			SVOCMS Group1	8270E		08/11/25	08/12/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2807

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-5								
Q2807-02	COMP-5	SOIL	Phenanthrene	110.000	J	24.7	200	ug/Kg
Q2807-02	COMP-5	SOIL	Pyrene	120.000	J	42.5	200	ug/Kg
Q2807-02	COMP-5	SOIL	Benzo(a)anthracene	94.400	J	27.1	200	ug/Kg
Q2807-02	COMP-5	SOIL	Chrysene	89.700	J	23.5	200	ug/Kg
Q2807-02	COMP-5	SOIL	Benzo(b)fluoranthene	110.000	J	22.4	200	ug/Kg
Q2807-02	COMP-5	SOIL	Benzo(a)pyrene	85.900	J	34.8	200	ug/Kg
			Total Svoc :	**610.00**				
			Total Concentration:	**610.00**				
Client ID : COMP-6								
Q2807-03	COMP-6	SOIL	Phenanthrene	490.000		25	200	ug/Kg
Q2807-03	COMP-6	SOIL	Anthracene	100.000	J	39.8	200	ug/Kg
Q2807-03	COMP-6	SOIL	Pyrene	520.000		43	200	ug/Kg
Q2807-03	COMP-6	SOIL	Benzo(a)anthracene	380.000		27.5	200	ug/Kg
Q2807-03	COMP-6	SOIL	Chrysene	360.000		23.8	200	ug/Kg
Q2807-03	COMP-6	SOIL	Benzo(b)fluoranthene	390.000		22.7	200	ug/Kg
Q2807-03	COMP-6	SOIL	Benzo(a)pyrene	300.000		35.3	200	ug/Kg
Q2807-03	COMP-6	SOIL	Indeno(1,2,3-cd)pyrene	120.000	J	34.8	200	ug/Kg
Q2807-03	COMP-6	SOIL	Benzo(g,h,i)perylene	140.000	J	30.7	200	ug/Kg
			Total Svoc :	**2,800.00**				
			Total Concentration:	**2,800.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2807

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169189BL	PB169189BL	Nitrobenzene-d5	100	95.5	96		18	107
		2-Fluorobiphenyl	100	84.7	85		20	109
		Terphenyl-d14	100	97.6	98		10	105
PB169189BS	PB169189BS	Nitrobenzene-d5	100	94.3	94		18	107
		2-Fluorobiphenyl	100	85.3	85		20	109
		Terphenyl-d14	100	87.8	88		10	105
Q2807-01	COMP-4	Nitrobenzene-d5	100	68.0	68		18	107
		2-Fluorobiphenyl	100	68.4	68		20	109
		Terphenyl-d14	100	54.3	54		10	105
Q2807-02	COMP-5	Nitrobenzene-d5	100	49.3	49		18	107
		2-Fluorobiphenyl	100	48.9	49		20	109
		Terphenyl-d14	100	38.8	39		10	105
Q2807-03	COMP-6	Nitrobenzene-d5	100	74.4	74		18	107
		2-Fluorobiphenyl	100	71.3	71		20	109
		Terphenyl-d14	100	55.8	56		10	105
Q2807-03MS	COMP-6MS	Nitrobenzene-d5	100	70.5	70		18	107
		2-Fluorobiphenyl	100	65.9	66		20	109
		Terphenyl-d14	100	53.3	53		10	105
Q2807-03MSD	COMP-6MSD	Nitrobenzene-d5	100	71.1	71		18	107
		2-Fluorobiphenyl	100	64.5	65		20	109
		Terphenyl-d14	100	59.1	59		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2807 **Analytical Method:** SW8270E

Client: Kleinfelder **DataFile:** BF143357.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2807-03MS		**Client Sample ID: COMP-6MS**									
Naphthalene	2000	0	1700	ug/Kg	85				51	121	
Fluorene	2000	0	1700	ug/Kg	85				53	118	
Phenanthrene	2000	490	2100	ug/Kg	81				52	128	
Anthracene	2000	100	1800	ug/Kg	85				62	124	
Pyrene	2000	520	1600	ug/Kg	54				37	122	
Benzo(a)anthracene	2000	380	2100	ug/Kg	86				53	119	
Chrysene	2000	360	2000	ug/Kg	82				57	121	
Benzo(b)fluoranthene	2000	390	2300	ug/Kg	96				52	117	
Benzo(a)pyrene	2000	300	2100	ug/Kg	90				70	142	
Indeno(1,2,3-cd)pyrene	2000	120	1500	ug/Kg	69				40	129	
Benzo(g,h,i)perylene	2000	140	1500	ug/Kg	68				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2807 **Analytical Method:** SW8270E

Client: Kleinfelder **DataFile:** BF143358.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2807-03MSD		**Client Sample ID: COMP-6MSD**									
Naphthalene	2000	0	1600	ug/Kg	80	6			51	121	20
Fluorene	2000	0	1700	ug/Kg	85	0			53	118	20
Phenanthrene	2000	490	2100	ug/Kg	81	0			52	128	20
Anthracene	2000	100	1800	ug/Kg	85	0			62	124	20
Pyrene	2000	520	1800	ug/Kg	64	17			37	122	20
Benzo(a)anthracene	2000	380	2100	ug/Kg	86	0			53	119	20
Chrysene	2000	360	2100	ug/Kg	87	6			57	121	20
Benzo(b)fluoranthene	2000	390	2300	ug/Kg	96	0			52	117	20
Benzo(a)pyrene	2000	300	2100	ug/Kg	90	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	120	1600	ug/Kg	74	7			40	129	20
Benzo(g,h,i)perylene	2000	140	1500	ug/Kg	68	0			24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2807 **Analytical Method:** 8270E

Client: Kleinfelder **DataFile:** BF143353.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169189BS	Naphthalene	1700	1500	ug/Kg	88				62	100	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169189BL

Lab Name: Alliance | Contract: POWE02

Lab Code: ACE | SDG NO.: Q2807

Lab File ID: BF143352.D | Lab Sample ID: PB169189BL

Instrument ID: BNA_F | Date Extracted: 08/11/2025

Matrix: (soil/water) SOIL | Date Analyzed: 08/12/2025

Level: (low/med) LOW | Time Analyzed: 14:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169189BS	PB169189BS	BF143353.D	08/12/2025
COMP-5	Q2807-02	BF143354.D	08/12/2025
COMP-4	Q2807-01	BF143355.D	08/12/2025
COMP-6	Q2807-03	BF143356.D	08/12/2025
COMP-6MS	Q2807-03MS	BF143357.D	08/12/2025
COMP-6MSD	Q2807-03MSD	BF143358.D	08/12/2025

COMMENTS:

Raw Data: **BF143342.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: POWE02

Lab Code: ACE SDG NO.: Q2807

Lab File ID: BF143342.D DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143343.D	08/12/2025	09:03
SSTDICC005	SSTDICC005	BF143344.D	08/12/2025	09:34
SSTDICC010	SSTDICC010	BF143345.D	08/12/2025	10:04
SSTDICC020	SSTDICC020	BF143346.D	08/12/2025	10:35
SSTDICCC040	SSTDICCC040	BF143347.D	08/12/2025	11:06
SSTDICC050	SSTDICC050	BF143348.D	08/12/2025	11:37
SSTDICC060	SSTDICC060	BF143349.D	08/12/2025	12:07
SSTDICC080	SSTDICC080	BF143350.D	08/12/2025	12:38
PB169189BL	PB169189BL	BF143352.D	08/12/2025	14:22
PB169189BS	PB169189BS	BF143353.D	08/12/2025	14:53
COMP-5	Q2807-02	BF143354.D	08/12/2025	15:33
COMP-4	Q2807-01	BF143355.D	08/12/2025	16:02
COMP-6	Q2807-03	BF143356.D	08/12/2025	16:32
COMP-6MS	Q2807-03MS	BF143357.D	08/12/2025	17:02
COMP-6MSD	Q2807-03MSD	BF143358.D	08/12/2025	17:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2807

Client ID : SSTDICCC040 Date Analyzed: 08/12/2025

Lab File ID: BF143347.D Time Analyzed: 11:06

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	167361	6.934	655032	8.21	345532	9.97
	UPPER LIMIT	334722	7.434	1310060	8.71	691064	10.469
	LOWER LIMIT	83680.5	6.434	327516	7.71	172766	9.469
	EPA SAMPLE NO.						
01	PB169189BL	164595	6.93	636089	8.21	350207	9.96
02	PB169189BS	165936	6.93	641337	8.21	345183	9.97
03	COMP-4	146370	6.93	551165	8.21	273111	9.96
04	COMP-5	133341	6.93	496028	8.21	252686	9.96
05	COMP-6	152247	6.93	565615	8.21	280798	9.96
06	COMP-6MS	156492	6.93	586819	8.21	297224	9.96
07	COMP-6MSD	182920	6.93	692344	8.21	366844	9.97

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2807

Client ID: SSTDICCC040 Date Analyzed: 08/12/2025

Lab File ID: BF143347.D Time Analyzed: 11:06

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	517467	11.451	290137	14.092	328158	15.58
	UPPER LIMIT	1034930	11.951	580274	14.592	656316	16.08
	LOWER LIMIT	258734	10.951	145069	13.592	164079	15.08
	EPA SAMPLE NO.						
01	PB169189BL	576646	11.45	343112	14.09	274972	15.58
02	PB169189BS	531787	11.45	305054	14.09	338125	15.58
03	COMP-4	405137	11.45	334879	14.09	409754	15.57
04	COMP-5	396419	11.45	326252	14.09	388136	15.57
05	COMP-6	410381	11.45	352203	14.09	431956	15.57
06	COMP-6MS	432448	11.45	390031	14.09	473134	15.58
07	COMP-6MSD	555468	11.45	416428	14.09	485253	15.58

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

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

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

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SAMPLE DATA

Raw Data: **BF143355.D**

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Report of Analysis

Client:	Kleinfelder			Date Collected:	08/07/25
Project:	Girard School - PA			Date Received:	08/08/25
Client Sample ID:	COMP-4			SDG No.:	Q2807
Lab Sample ID:	Q2807-01			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	83.1
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143355.D	1	08/11/25 09:32	08/12/25 16:02	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	27.3	U	27.3	200	ug/Kg
86-73-7	Fluorene	30.4	U	30.4	200	ug/Kg
85-01-8	Phenanthrene	25.1	U	25.1	200	ug/Kg
120-12-7	Anthracene	40.0	U	40.0	200	ug/Kg
129-00-0	Pyrene	43.2	U	43.2	200	ug/Kg
56-55-3	Benzo(a)anthracene	27.6	U	27.6	200	ug/Kg
218-01-9	Chrysene	23.9	U	23.9	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.8	U	22.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.4	U	35.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.0	U	35.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.9	U	30.9	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.0		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.4		20 - 109	68%	SPK: 100
1718-51-0	Terphenyl-d14	54.3		10 - 105	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.928			
1146-65-2	Naphthalene-d8	551000	8.21			
15067-26-2	Acenaphthene-d10	273000	9.963			
1517-22-2	Phenanthrene-d10	405000	11.451			
1719-03-5	Chrysene-d12	335000	14.086			
1520-96-3	Perylene-d12	410000	15.574			

Raw Data: **BF143355.D**

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Report of Analysis

Client:	Kleinfelder			Date Collected:	08/07/25
Project:	Girard School - PA			Date Received:	08/08/25
Client Sample ID:	COMP-4			SDG No.:	Q2807
Lab Sample ID:	Q2807-01			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	83.1
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143355.D	1	08/11/25 09:32	08/12/25 16:02	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143355.D
Acq On : 12 Aug 2025 16:02
Operator : RC/JU
Sample : Q2807-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Time: Aug 12 16:29:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

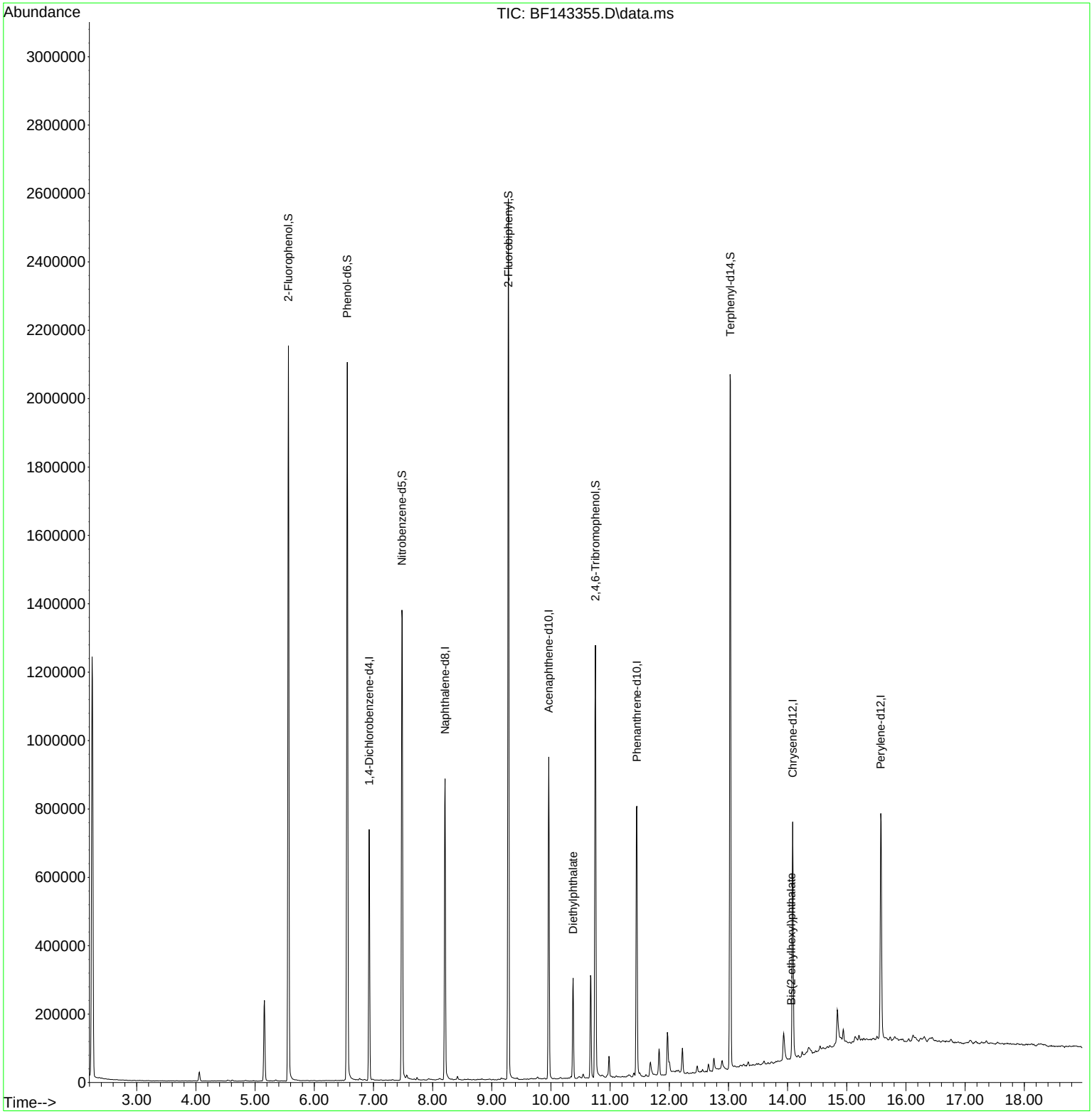
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	146370	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	551165	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273111	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	405137	20.000	ng	0.00
76) Chrysene-d12	14.086	240	334879	20.000	ng	0.00
86) Perylene-d12	15.574	264	409754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	754839	89.179	ng	0.00
7) Phenol-d6	6.557	99	950502	87.568	ng	0.00
23) Nitrobenzene-d5	7.481	82	601650	67.978	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	206142	103.280	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1100838	68.351	ng	0.00
79) Terphenyl-d14	13.033	244	1018081	54.277	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	10.374	149	146438	10.245	ng	99
84) Bis(2-ethylhexyl)phtha...	14.062	149	4370	4.480	ng #	82

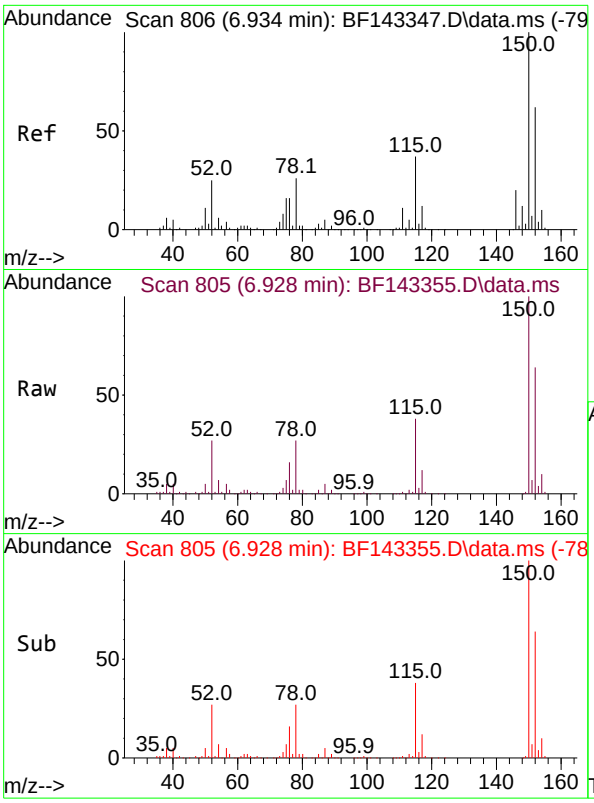
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143355.D
Acq On : 12 Aug 2025 16:02
Operator : RC/JU
Sample : Q2807-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-4

Quant Time: Aug 12 16:29:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



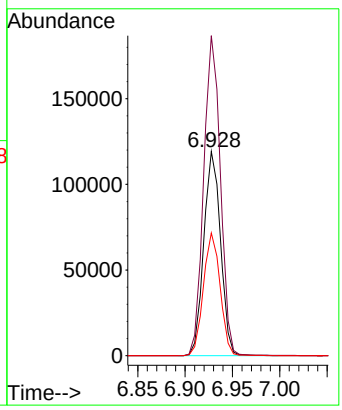


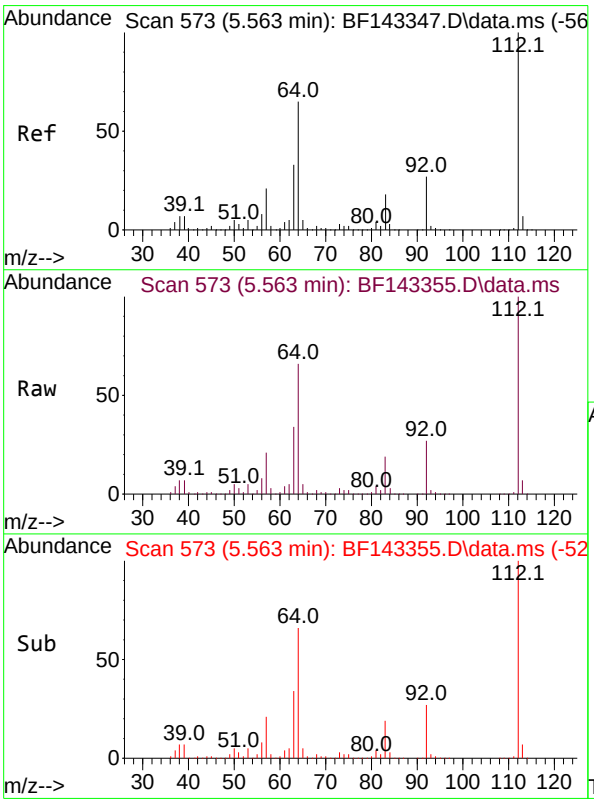
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:152 Resp: 146370

Ion	Ratio	Lower	Upper
152	100		
150	156.7	129.8	194.8
115	60.1	47.8	71.8

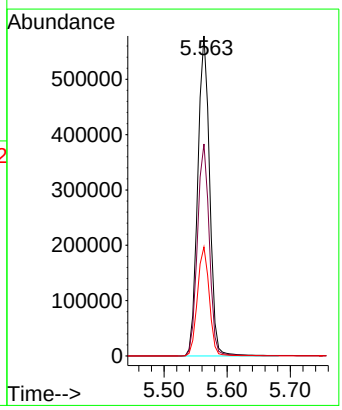


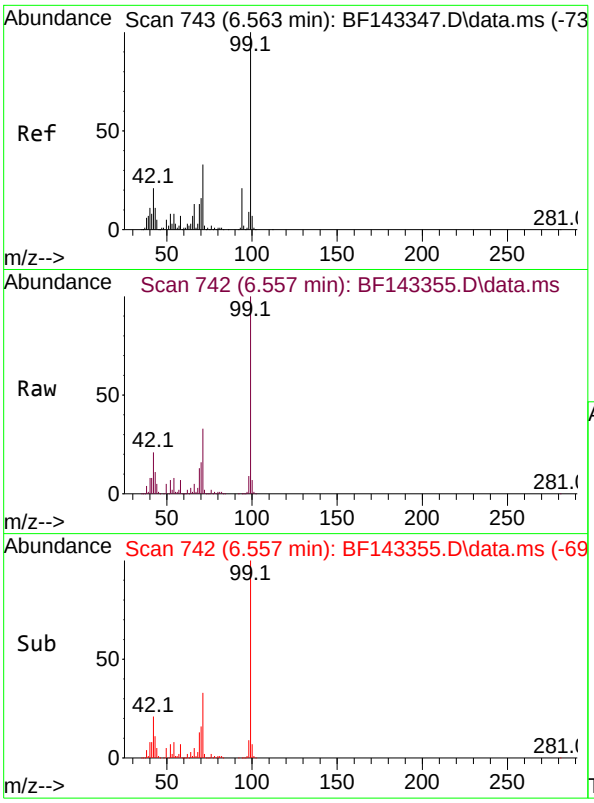


#5
2-Fluorophenol
Concen: 89.179 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:112 Resp: 754839

Ion	Ratio	Lower	Upper
112	100		
64	66.2	52.1	78.1
63	34.0	26.6	39.8



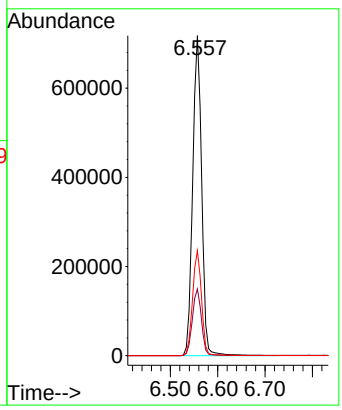


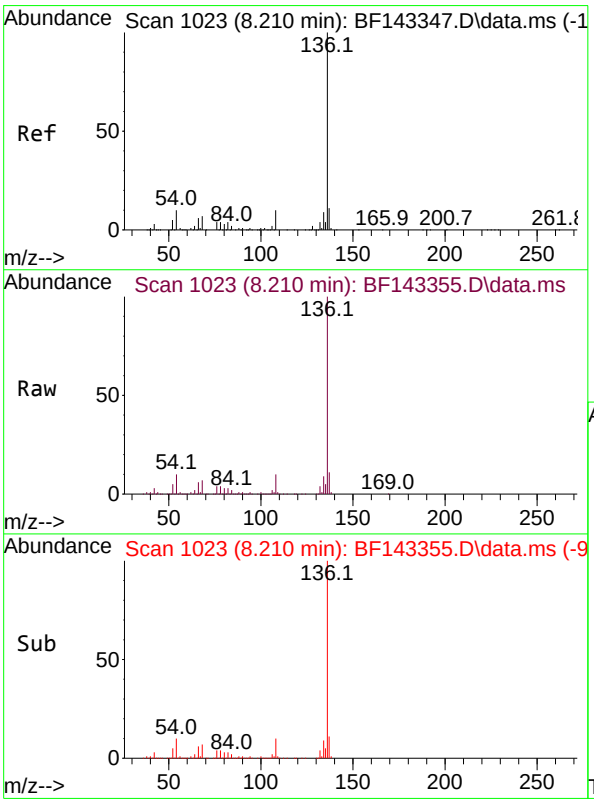
#7
Phenol-d6
Concen: 87.568 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion: 99 Resp: 950502

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.8	26.2	39.2

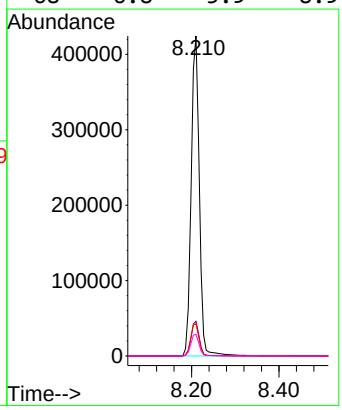


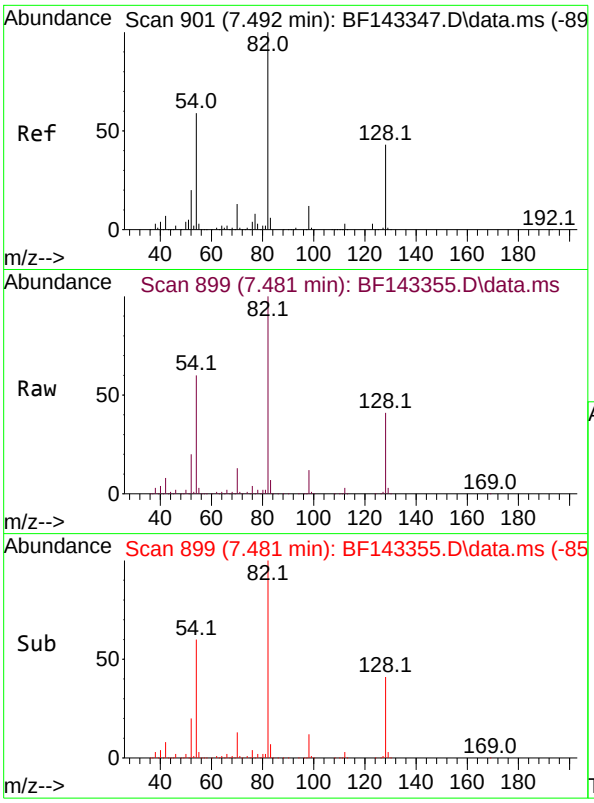


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:136 Resp: 551165

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.0	8.4	12.6
68	6.8	5.9	8.9



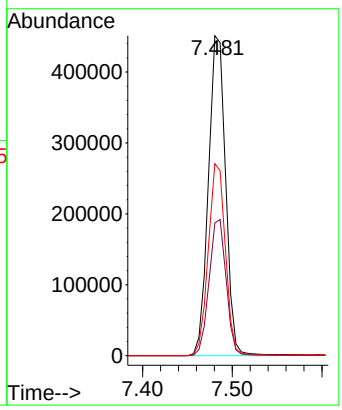


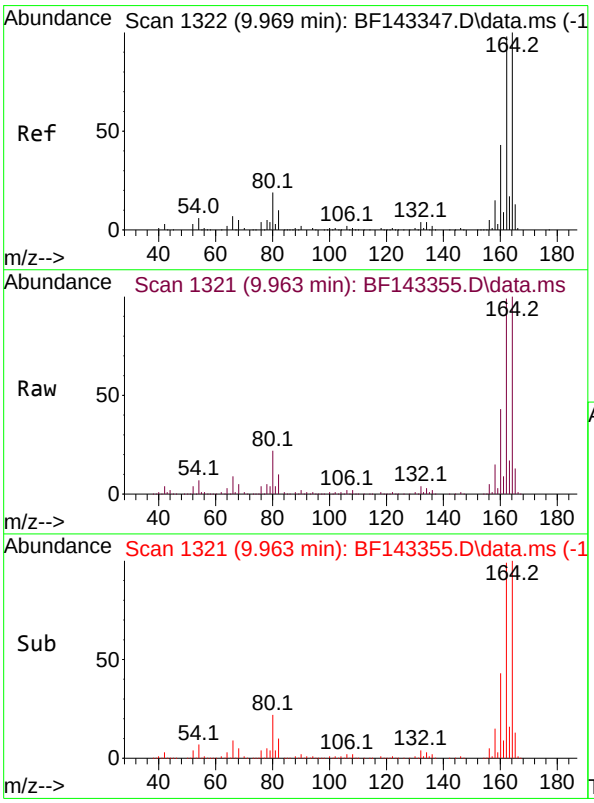
#23
Nitrobenzene-d5
Concen: 67.978 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion: 82 Resp: 601650

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.5	50.3
54	60.0	46.7	70.1

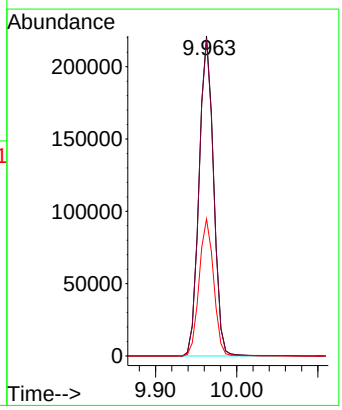


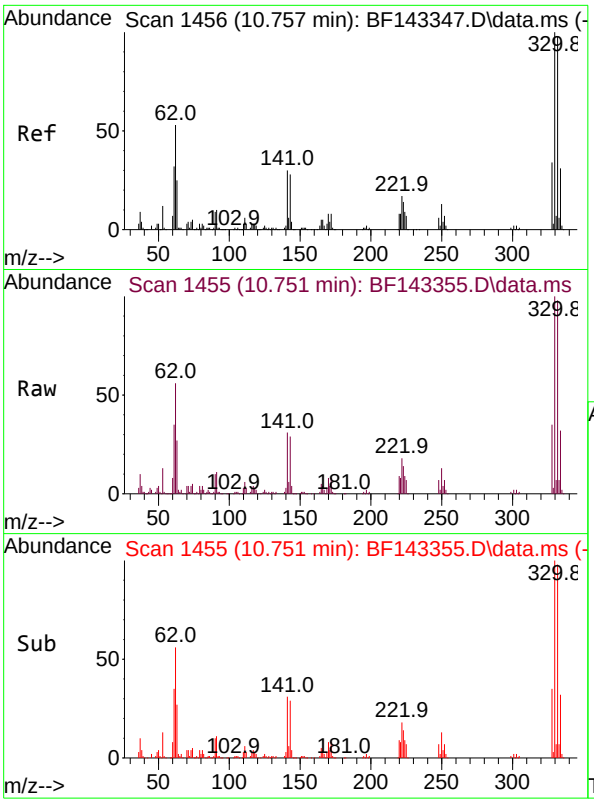


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:164 Resp: 273111

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.6	118.0
160	42.8	34.4	51.6



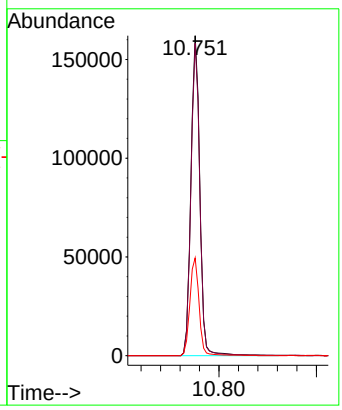


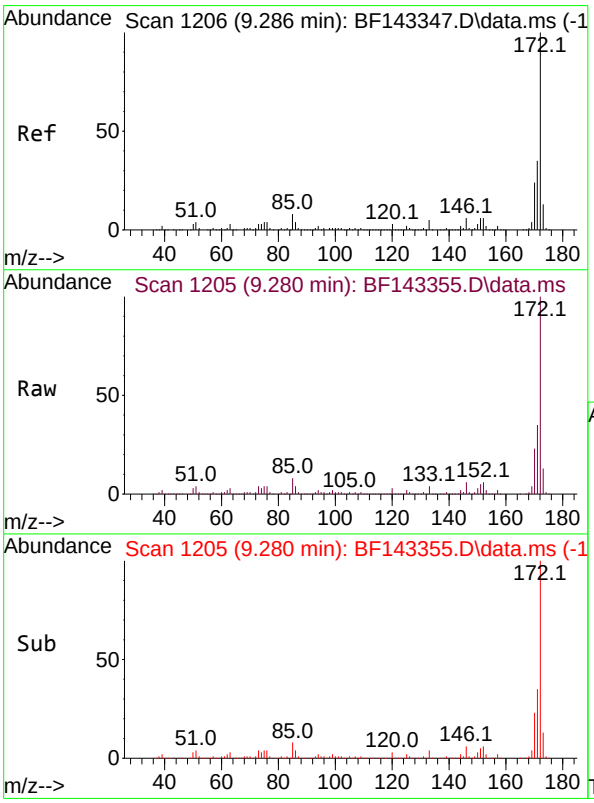
#42
2,4,6-Tribromophenol
Concen: 103.280 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:330 Resp: 206142

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	31.4	25.4	38.0

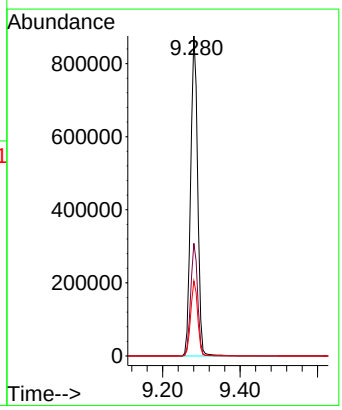


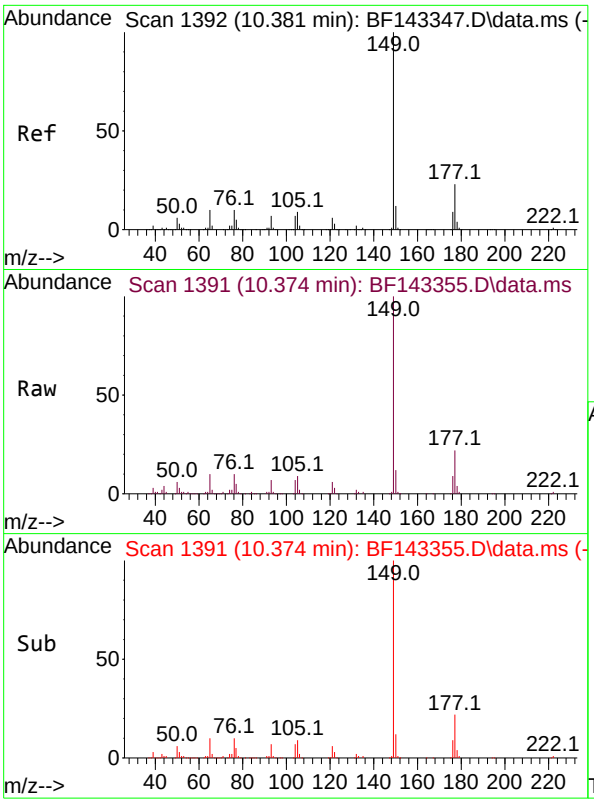


#45
2-Fluorobiphenyl
Concen: 68.351 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:172 Resp: 1100838

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.4	19.1	28.7



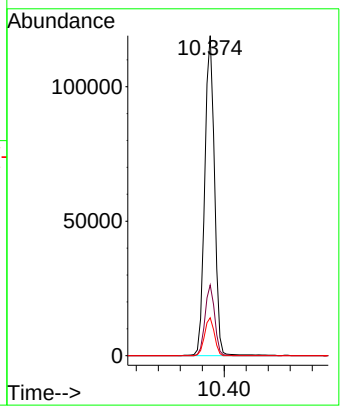


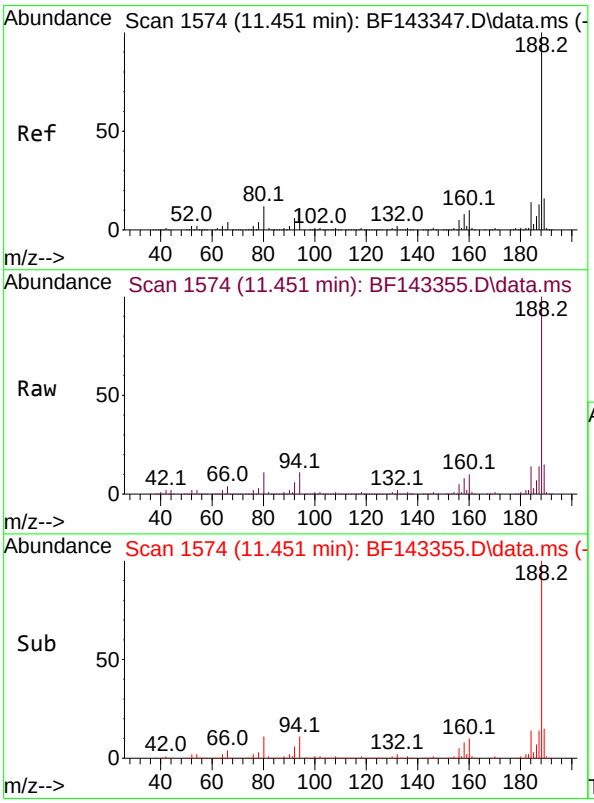
#60
Diethylphthalate
Concen: 10.245 ng
RT: 10.374 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:149 Resp: 146438

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.2	27.2
150	11.8	9.9	14.9

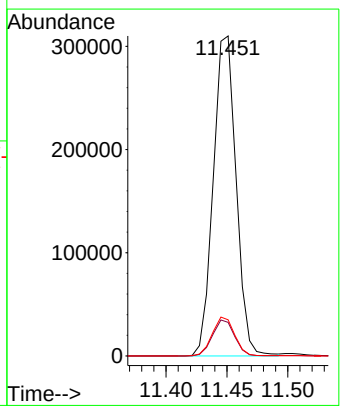


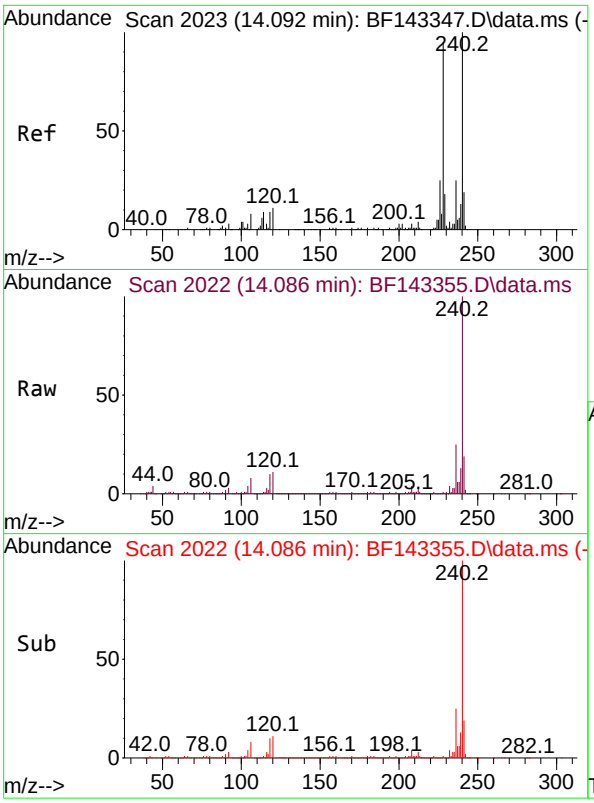


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:188 Resp: 405137

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.8	13.2
80	11.3	9.7	14.5



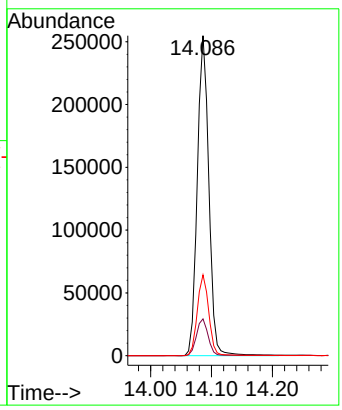


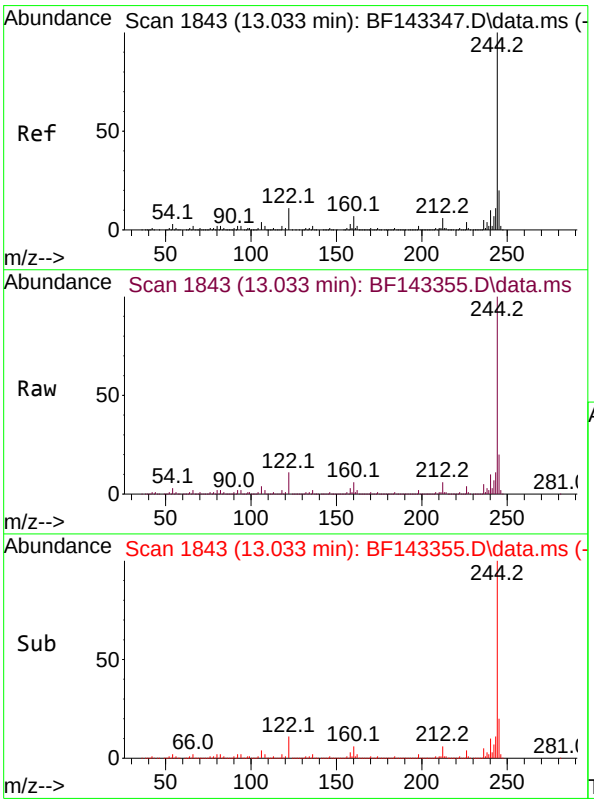
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:240 Resp: 334879

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.0	13.6
236	25.3	19.9	29.9

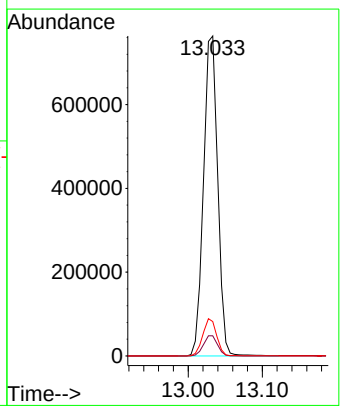


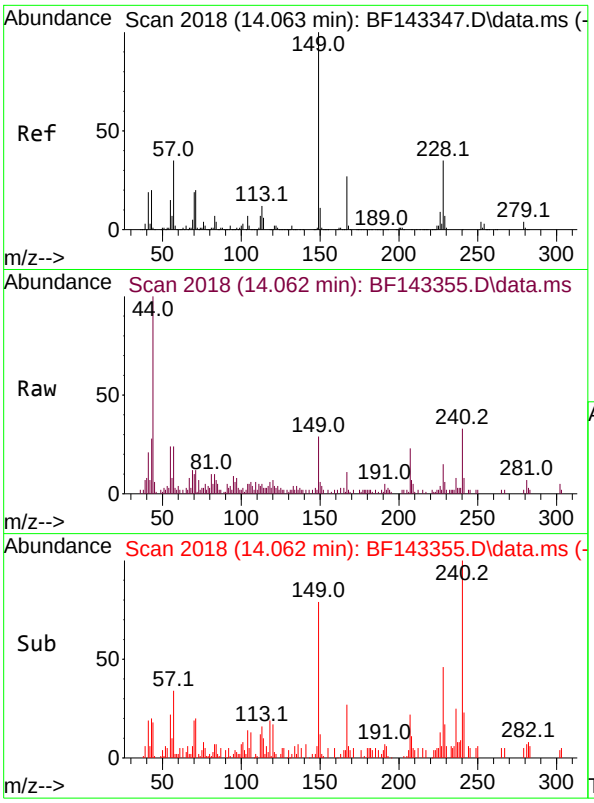


#79
Terphenyl-d14
Concen: 54.277 ng
RT: 13.033 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:244 Resp: 1018081

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	10.7	8.9	13.3



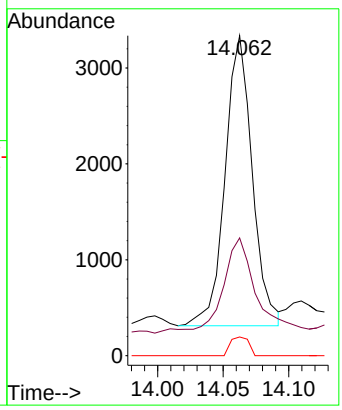


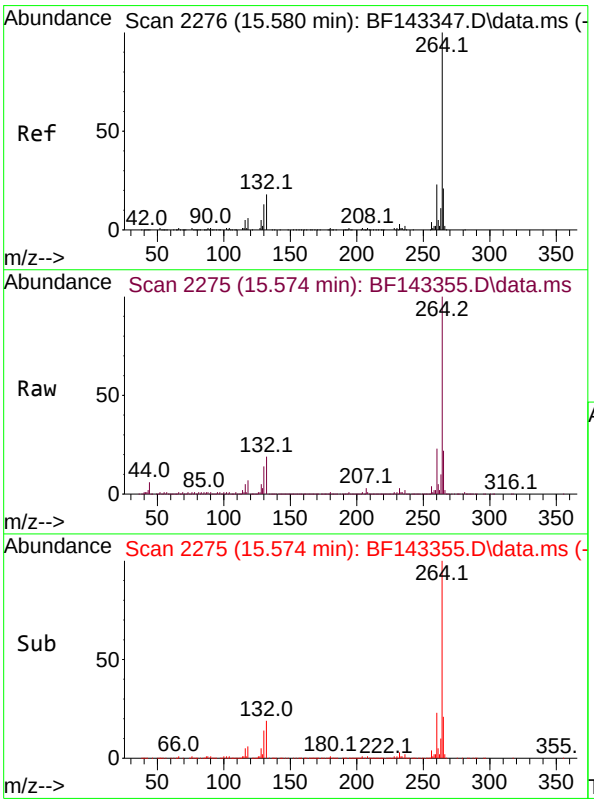
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.480 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.001 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion:149 Resp: 4370

Ion	Ratio	Lower	Upper
149	100		
167	36.8	21.4	32.0#
279	5.8	3.2	4.8#

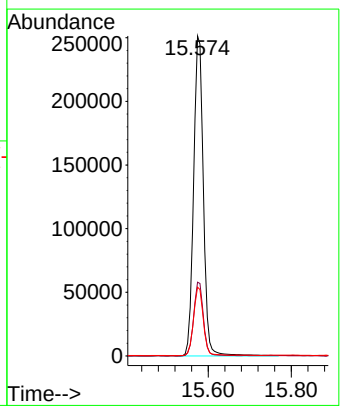




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF143355.D
Acq: 12 Aug 2025 16:02

Tgt Ion:264 Resp: 409754

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.5	17.2	25.8



Raw Data: **BF143354.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-5	SDG No.:	Q2807
Lab Sample ID:	Q2807-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143354.D	1	08/11/25 09:32	08/12/25 15:33	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	26.8	U	26.8	200	ug/Kg
86-73-7	Fluorene	29.9	U	29.9	200	ug/Kg
85-01-8	Phenanthrene	110	J	24.7	200	ug/Kg
120-12-7	Anthracene	39.3	U	39.3	200	ug/Kg
129-00-0	Pyrene	120	J	42.5	200	ug/Kg
56-55-3	Benzo(a)anthracene	94.4	J	27.1	200	ug/Kg
218-01-9	Chrysene	89.7	J	23.5	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	22.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	85.9	J	34.8	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.3	U	34.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.3	U	30.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	49.3		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.9		20 - 109	49%	SPK: 100
1718-51-0	Terphenyl-d14	38.8		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	133000	6.928			
1146-65-2	Naphthalene-d8	496000	8.21			
15067-26-2	Acenaphthene-d10	253000	9.963			
1517-22-2	Phenanthrene-d10	396000	11.451			
1719-03-5	Chrysene-d12	326000	14.086			
1520-96-3	Perylene-d12	388000	15.574			

Raw Data: **BF143354.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	08/07/25
Project:	Girard School - PA			Date Received:	08/08/25
Client Sample ID:	COMP-5			SDG No.:	Q2807
Lab Sample ID:	Q2807-02			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	84.5
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143354.D	1	08/11/25 09:32	08/12/25 15:33	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF143354.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143354.D
Acq On : 12 Aug 2025 15:33
Operator : RC/JU
Sample : Q2807-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 16:28:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-5

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	133341	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	496028	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	252686	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	396419	20.000	ng	0.00
76) Chrysene-d12	14.086	240	326252	20.000	ng	0.00
86) Perylene-d12	15.574	264	388136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	500259	64.877	ng	0.00
7) Phenol-d6	6.557	99	628828	63.594	ng	0.00
23) Nitrobenzene-d5	7.481	82	392684	49.299	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	142044	76.918	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	729304	48.943	ng	0.00
79) Terphenyl-d14	13.027	244	708125	38.750	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	61468	2.842	ng	99
75) Fluoranthene	12.663	202	91709	4.841	ng	99
78) Pyrene	12.892	202	82177	3.003	ng	99
81) Benzo(a)anthracene	14.074	228	49780	2.401	ng	99
83) Chrysene	14.110	228	44104m	2.281	ng	
88) Benzo(b)fluoranthene	15.139	252	58241m	2.743	ng	
90) Benzo(a)pyrene	15.510	252	43661	2.184	ng	# 96

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

Sample Results: **BF143354.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143354.D
Acq On : 12 Aug 2025 15:33
Operator : RC/JU
Sample : Q2807-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 12 16:28:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-5

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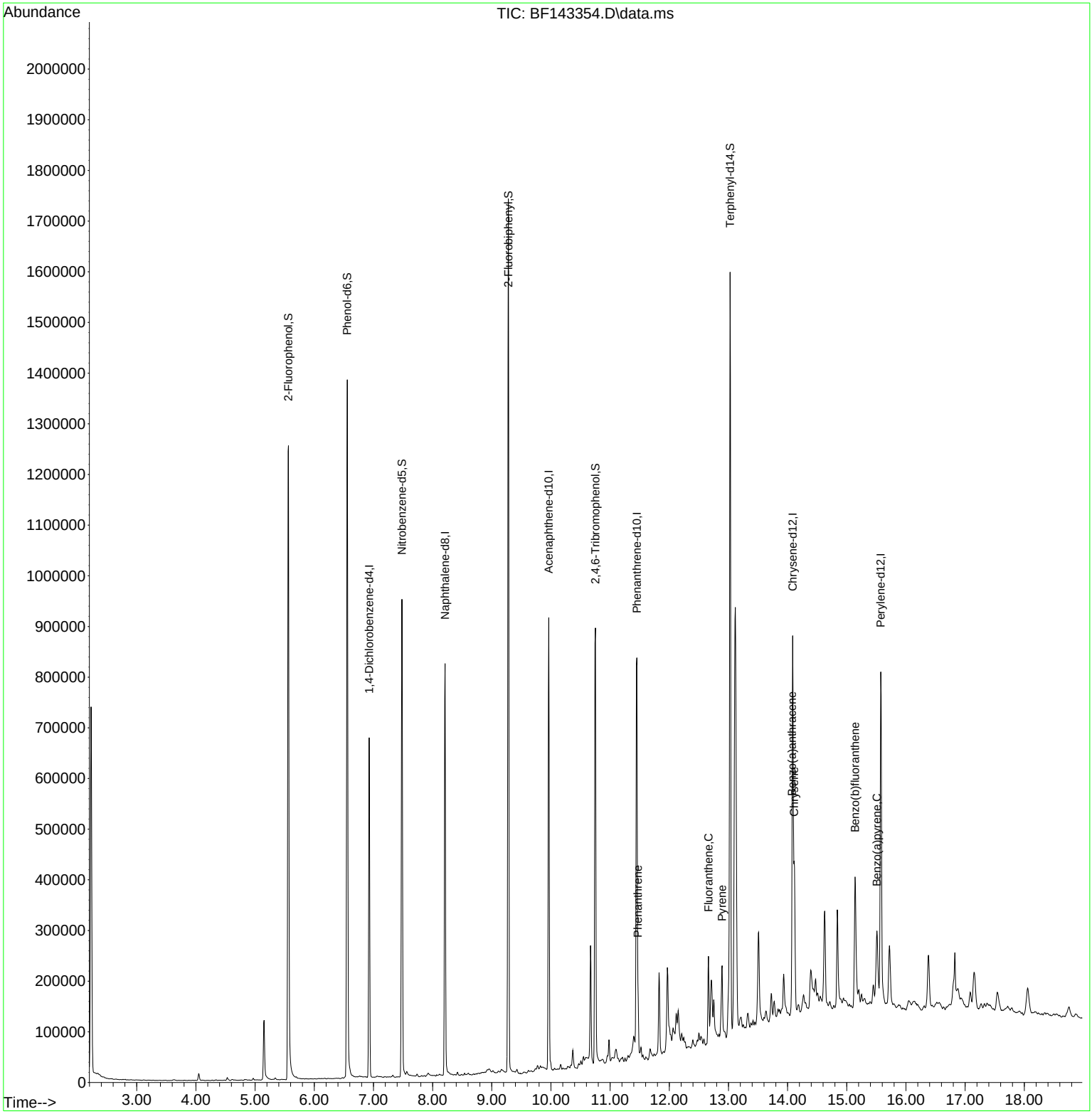
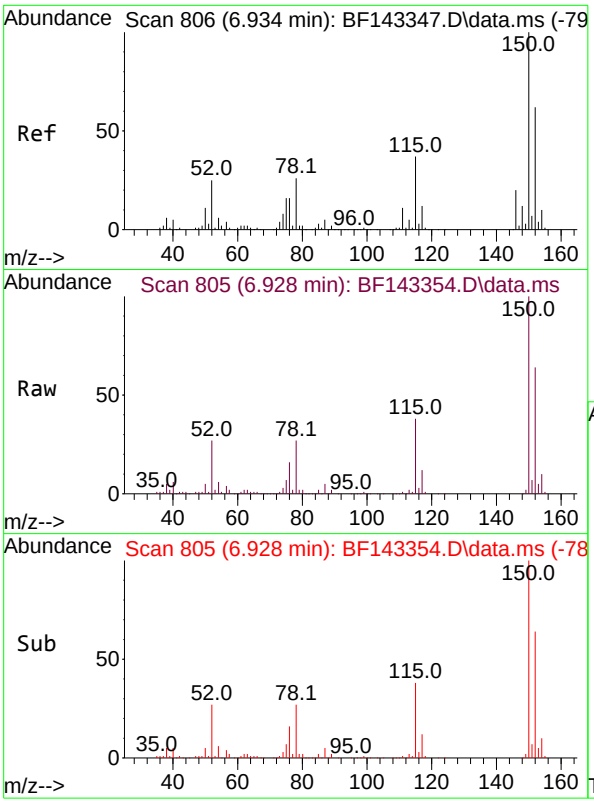
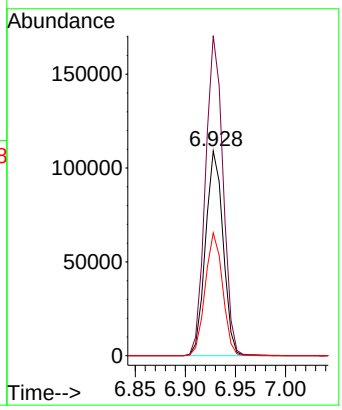




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:152 Resp: 13334

Ion	Ratio	Lower	Upper
152	100		
150	156.2	129.8	194.8
115	59.9	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
COMP-5

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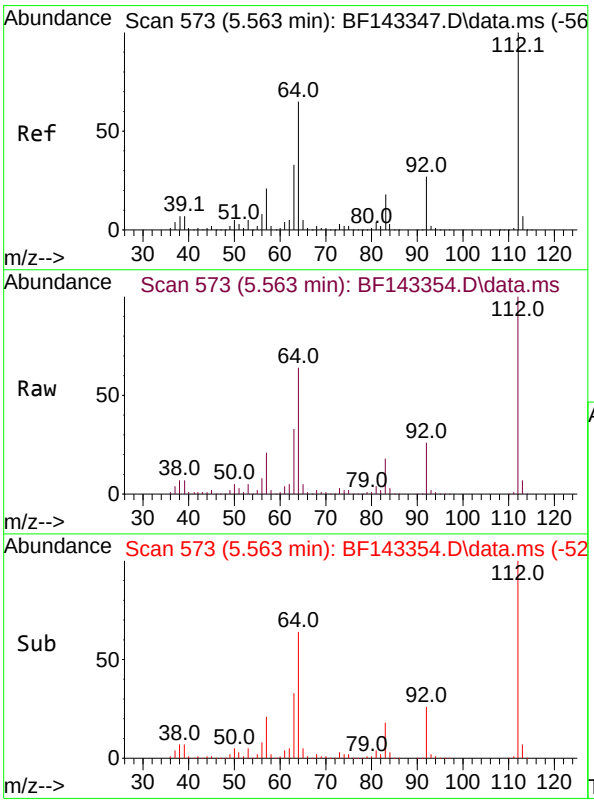
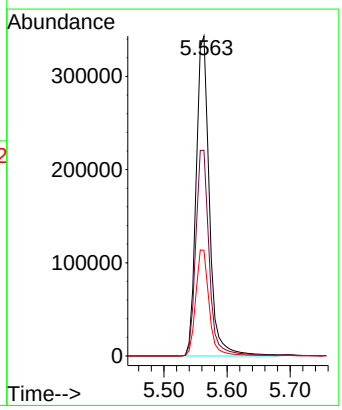
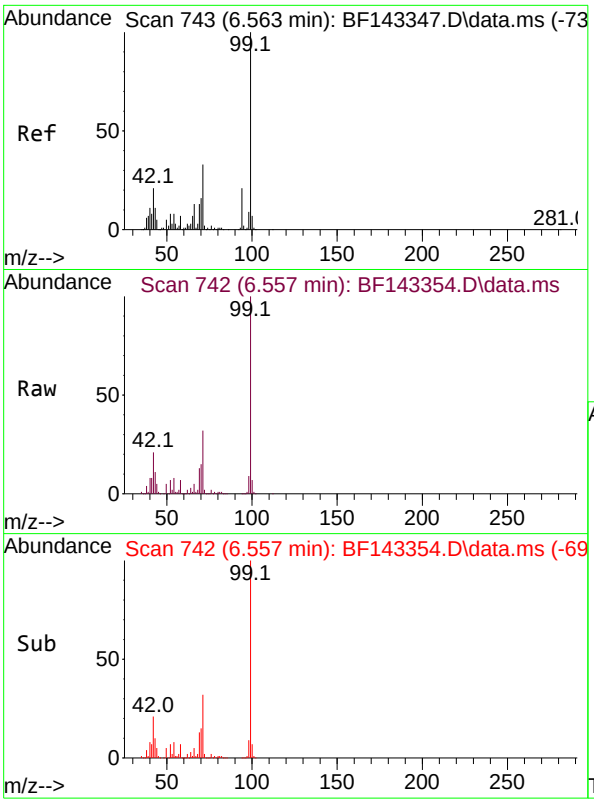


#5
2-Fluorophenol
Concen: 64.877 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:112 Resp: 500259

Ion	Ratio	Lower	Upper
112	100		
64	64.3	52.1	78.1
63	33.0	26.6	39.8

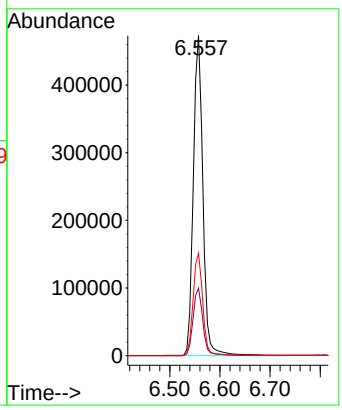




#7
Phenol-d6
Concen: 63.594 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion: 99 Resp: 62882

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	25.0
71	32.1	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
COMP-5

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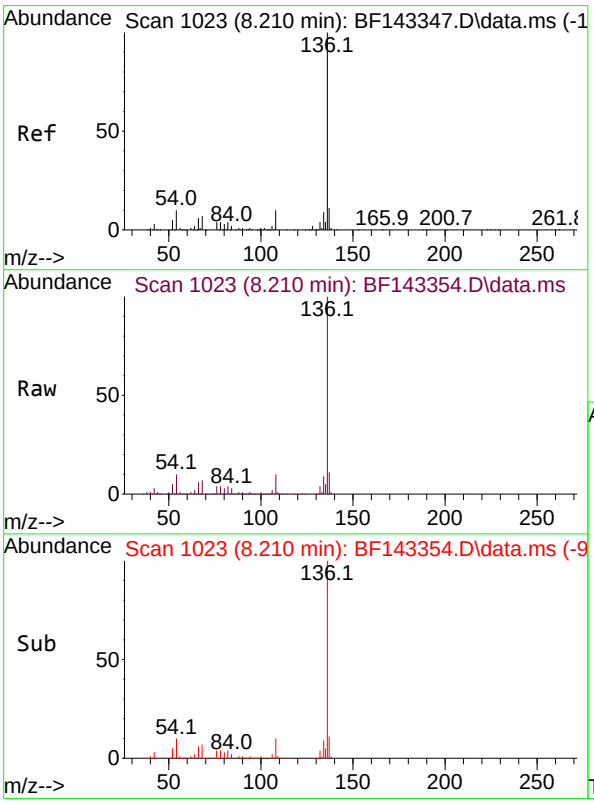
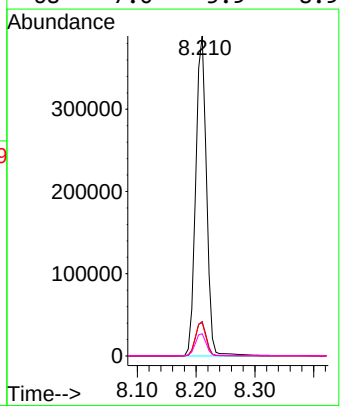
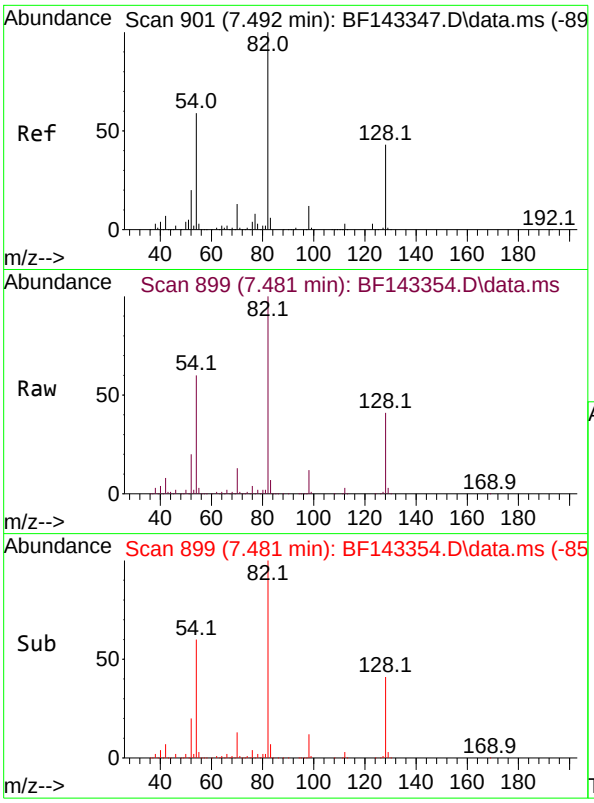


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:136 Resp: 496028

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.4	8.4	12.6
68	7.0	5.9	8.9

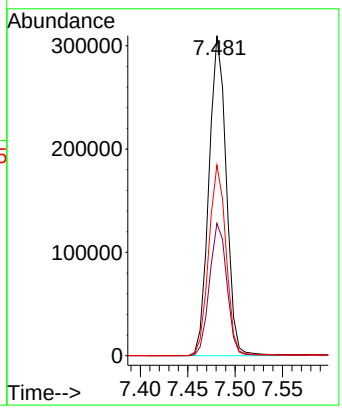




#23
Nitrobenzene-d5
Concen: 49.299 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion: 82 Resp: 39268

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.5	50.3
54	59.6	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
COMP-5

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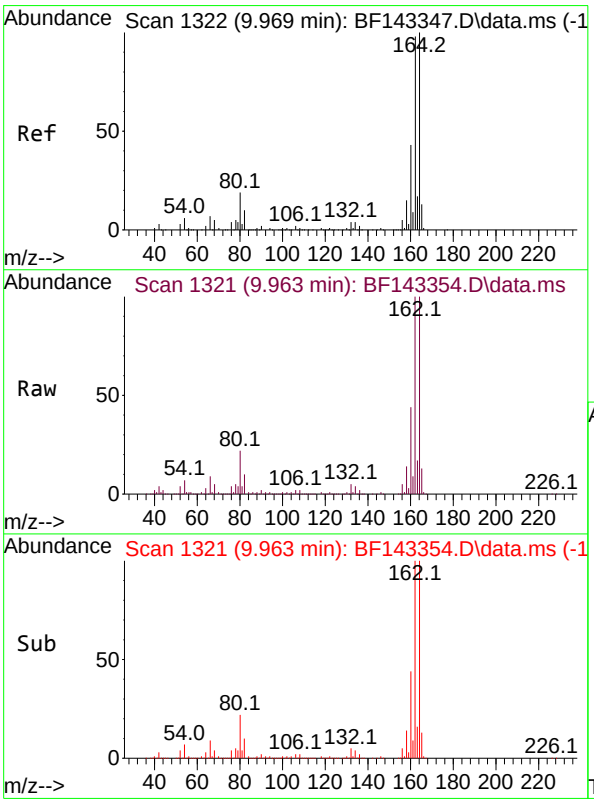
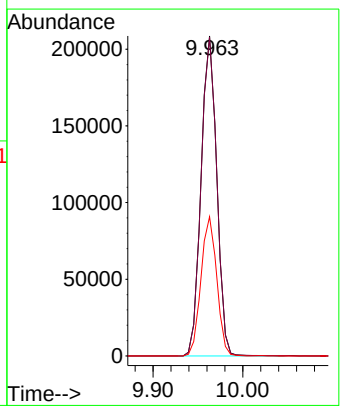
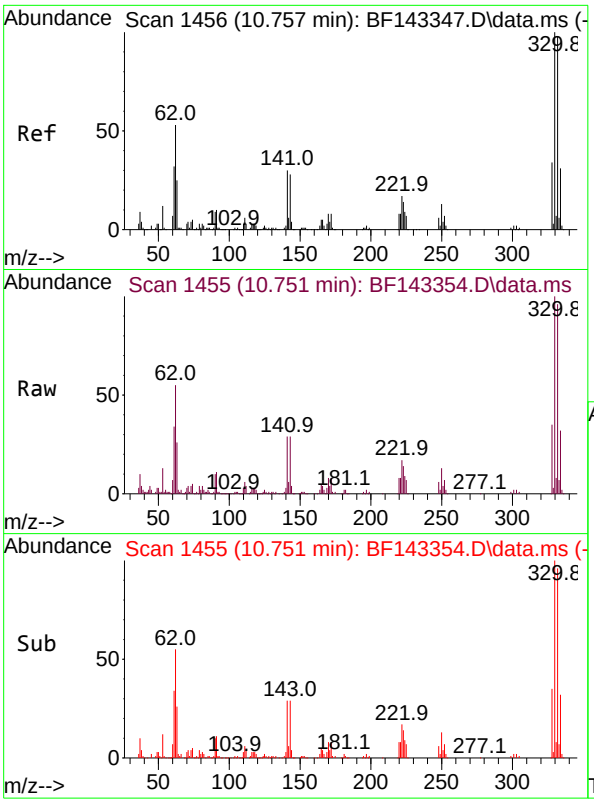


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:164 Resp: 252686

Ion	Ratio	Lower	Upper
164	100		
162	99.6	78.6	118.0
160	43.5	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 76.918 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:330 Resp: 14204

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.1	117.1
141	32.2	25.4	38.0

Instrument :
BNA_F
ClientSampleId :
COMP-5

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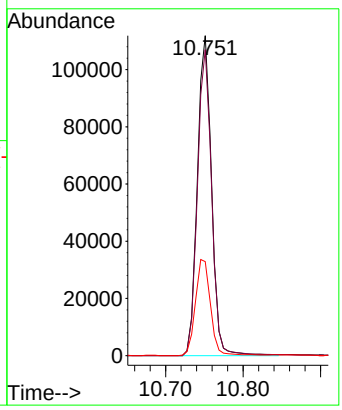
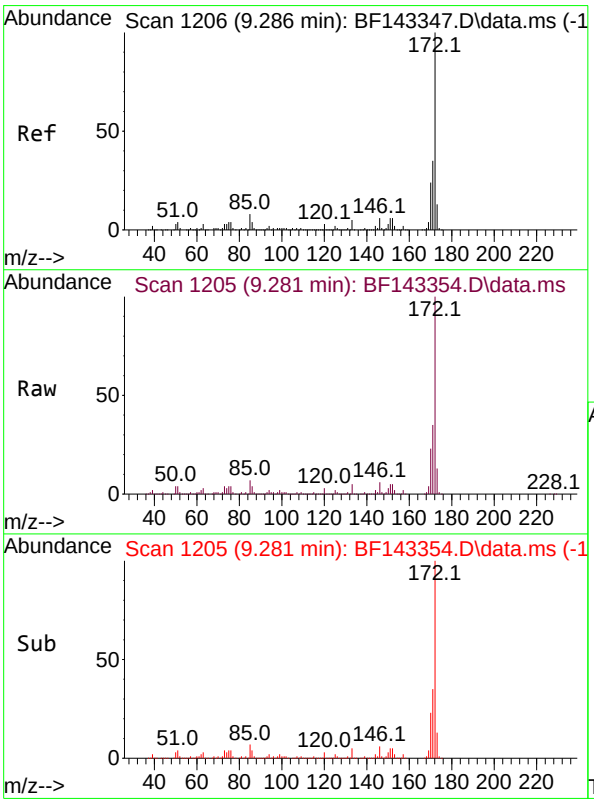
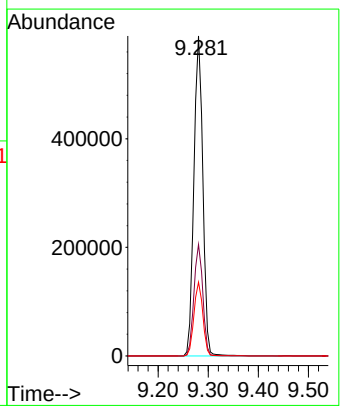


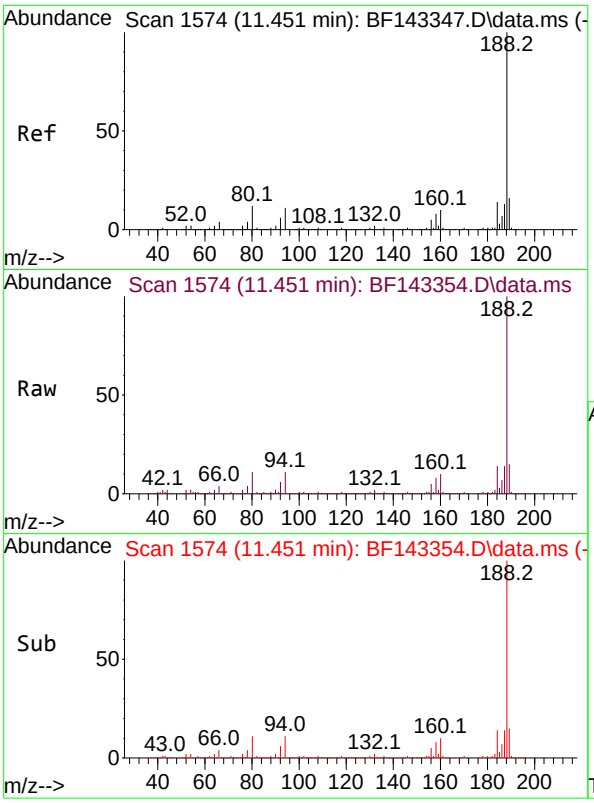


#45
2-Fluorobiphenyl
Concen: 48.943 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:172 Resp: 729304

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.4	42.6
170	23.0	19.1	28.7

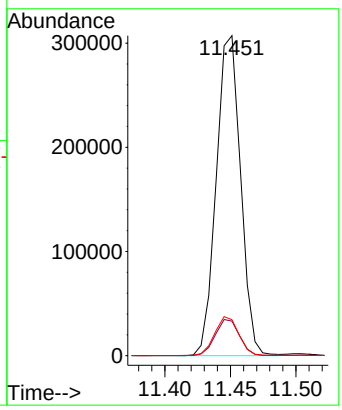




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:188 Resp: 396419

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.8	13.2
80	11.2	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
COMP-5

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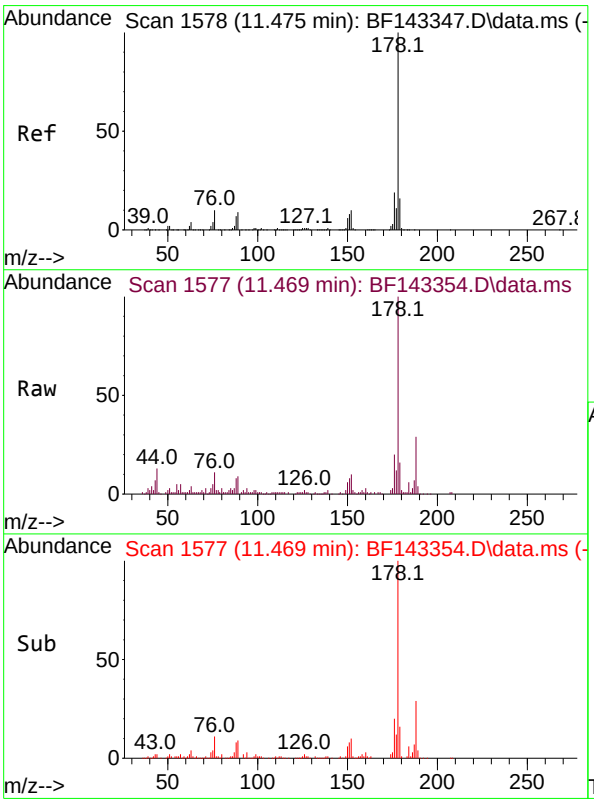
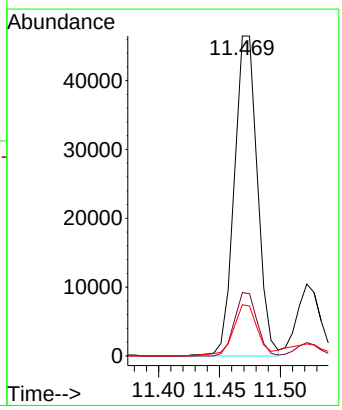
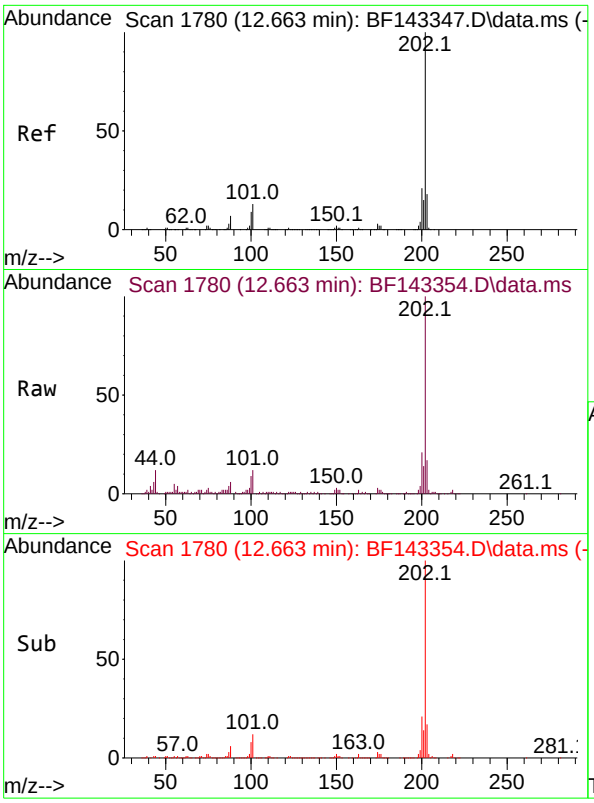


#71
Phenanthrene
Concen: 2.842 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:178 Resp: 61468

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	16.0	12.5	18.7





#75
Fluoranthene
Concen: 4.841 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:202 Resp: 9170

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.4	0.0	37.6

Instrument :
BNA_F
ClientSampleId :
COMP-5

Manual Integrations
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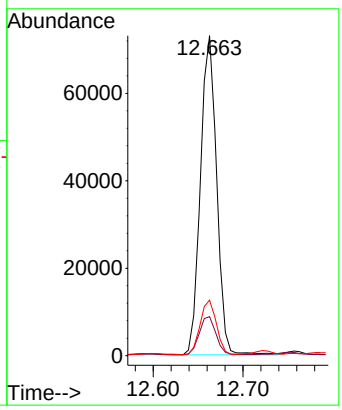
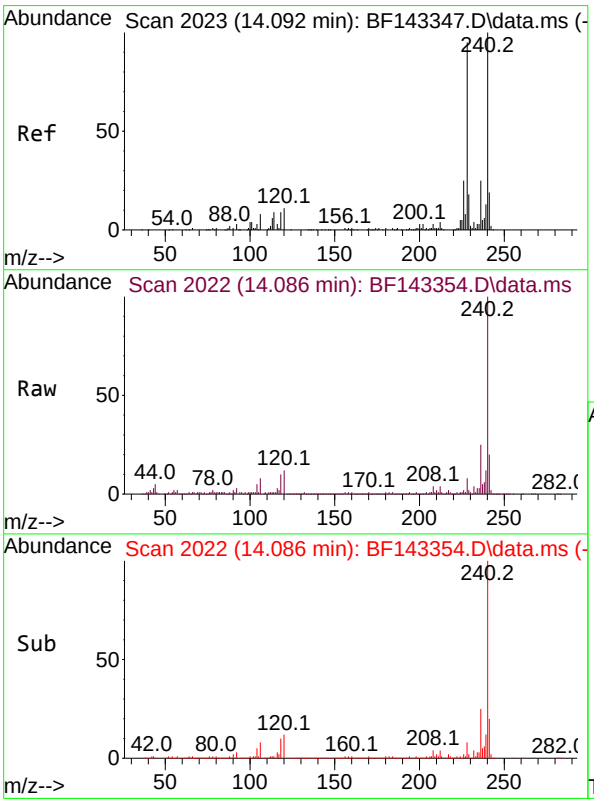
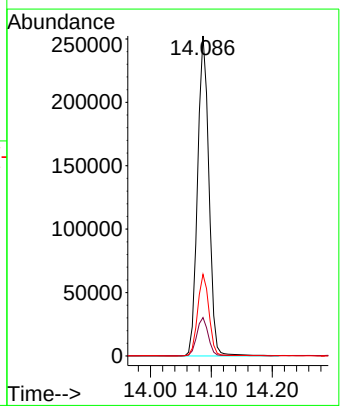


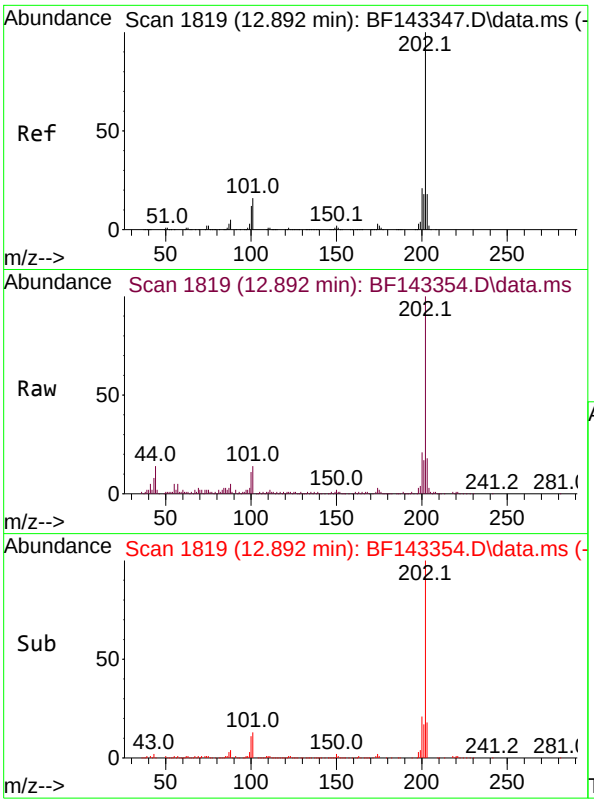


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:240 Resp: 326252

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.0	13.6
236	25.5	19.9	29.9





#78
Pyrene
Concen: 3.003 ng
RT: 12.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:202 Resp: 8217

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.1	14.2	21.4

Instrument :
BNA_F
ClientSampleId :
COMP-5

Manual Integrations
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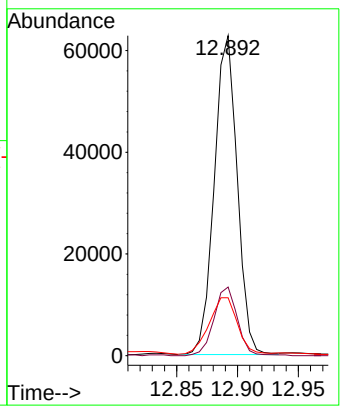
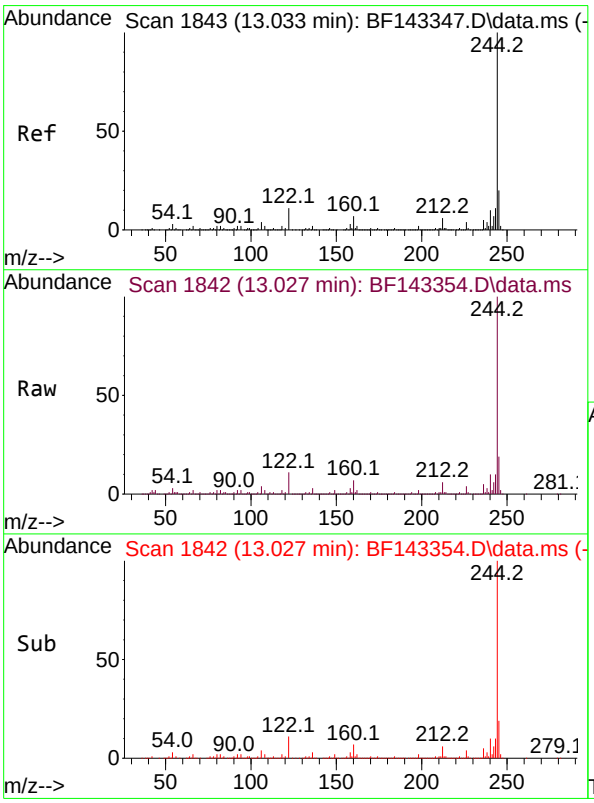
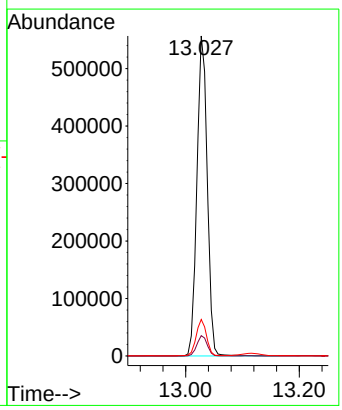


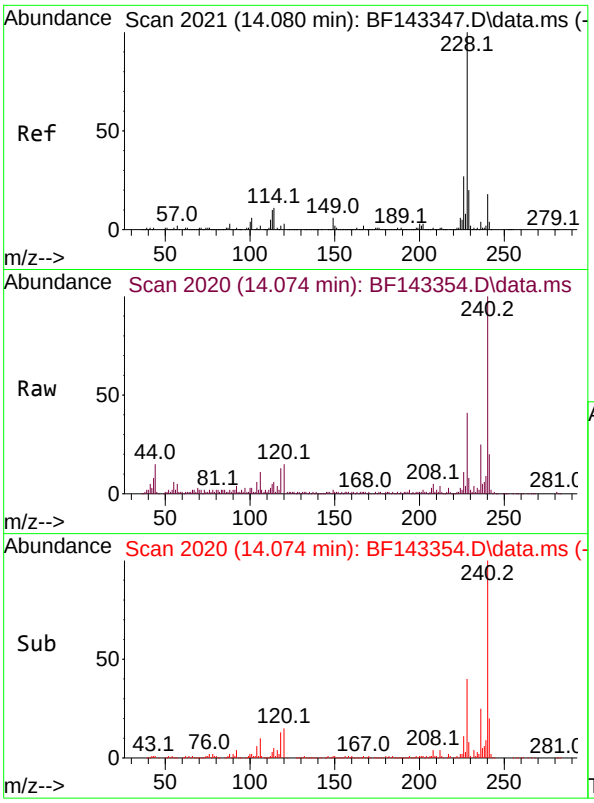


#79
Terphenyl-d14
Concen: 38.750 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:244 Resp: 708125

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	11.4	8.9	13.3

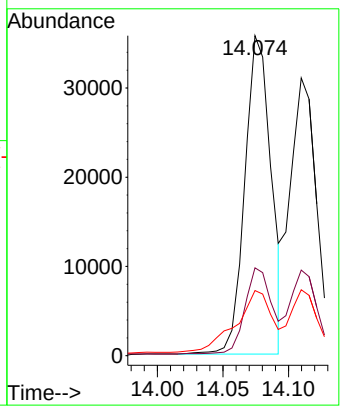




#81
Benzo(a)anthracene
Concen: 2.401 ng
RT: 14.074 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:228 Resp: 4978(

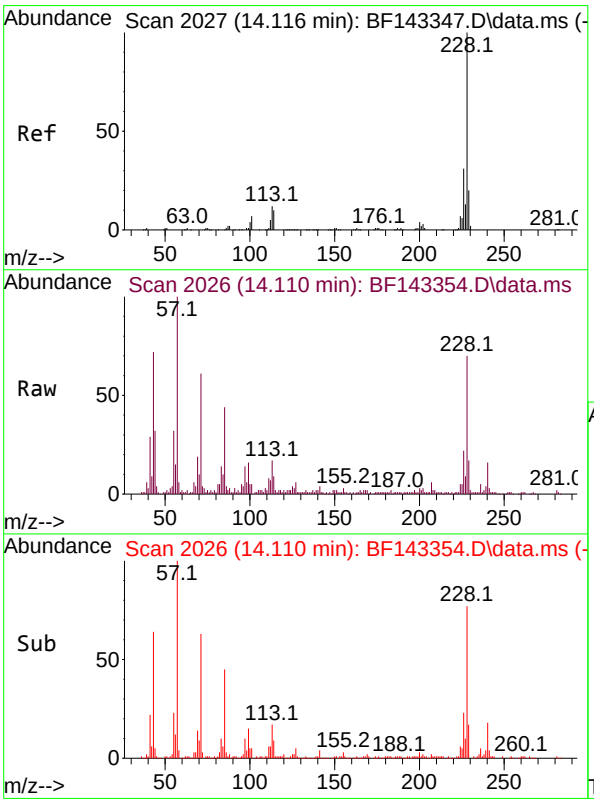
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	20.4	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
COMP-5

Manual Integrations
APPROVED

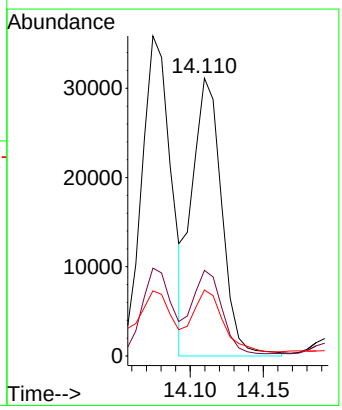
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

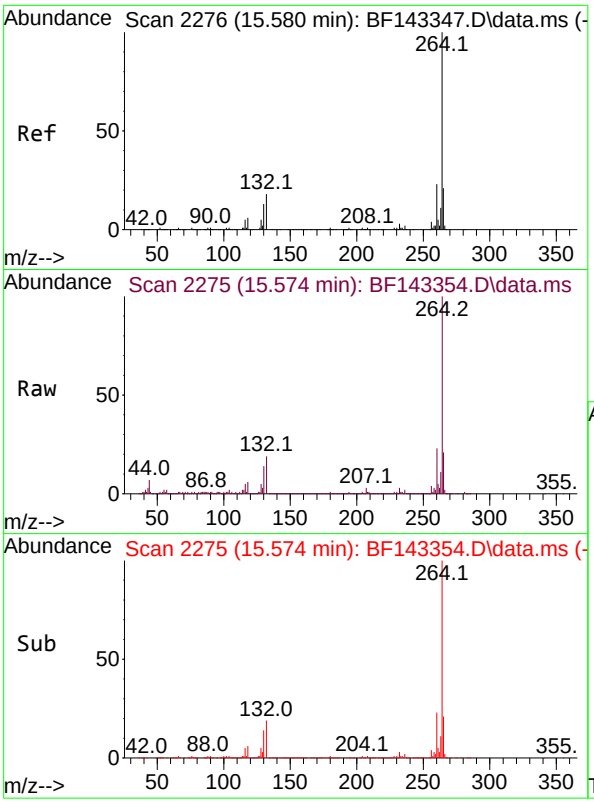


#83
Chrysene
Concen: 2.281 ng m
RT: 14.110 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:228 Resp: 44104

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	23.7	15.8	23.6#

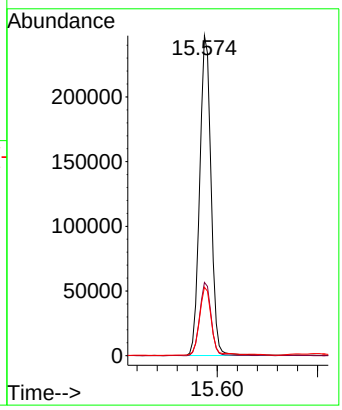




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:264 Resp: 38813

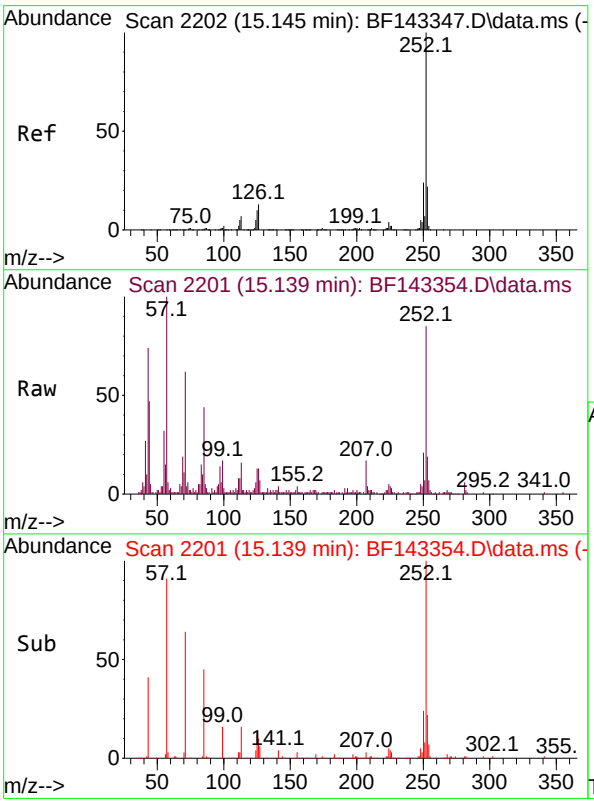
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.4	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
COMP-5

Manual Integrations
APPROVED

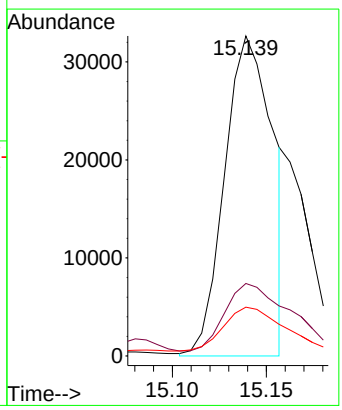
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

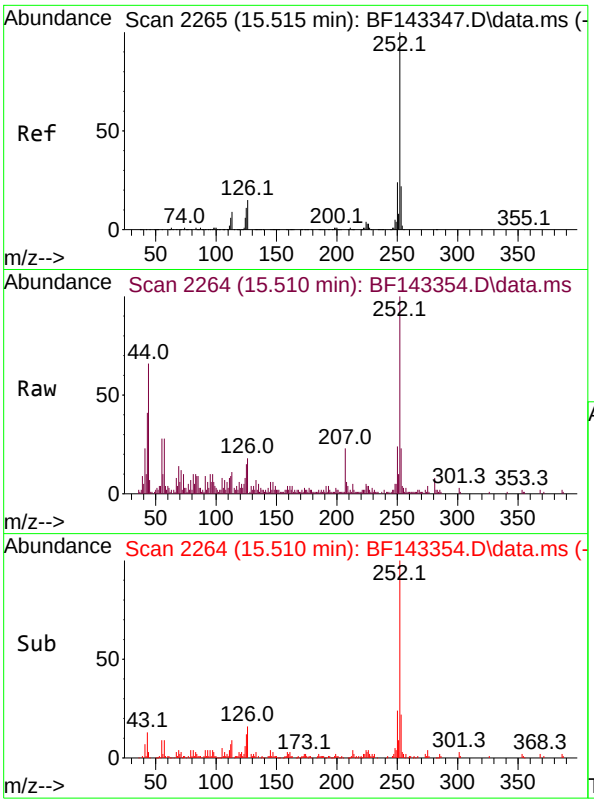


#88
Benzo(b)fluoranthene
Concen: 2.743 ng m
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:252 Resp: 58241

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	15.3	7.8	11.6#

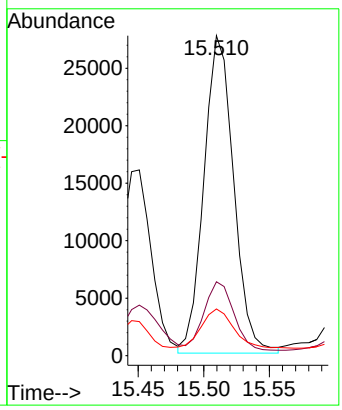




#90
Benzo(a)pyrene
Concen: 2.184 ng
RT: 15.510 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143354.D
Acq: 12 Aug 2025 15:33

Tgt Ion:252 Resp: 4366

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	14.6	9.1	13.7#



Instrument :
BNA_F
ClientSampleId :
COMP-5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Raw Data: **BF143356.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-6	SDG No.:	Q2807
Lab Sample ID:	Q2807-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143356.D	1	08/11/25 09:32	08/12/25 16:32	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	27.1	U	27.1	200	ug/Kg
86-73-7	Fluorene	30.2	U	30.2	200	ug/Kg
85-01-8	Phenanthrene	490		25.0	200	ug/Kg
120-12-7	Anthracene	100	J	39.8	200	ug/Kg
129-00-0	Pyrene	520		43.0	200	ug/Kg
56-55-3	Benzo(a)anthracene	380		27.5	200	ug/Kg
218-01-9	Chrysene	360		23.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	390		22.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	300		35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	34.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	J	30.7	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	74.4		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.3		20 - 109	71%	SPK: 100
1718-51-0	Terphenyl-d14	55.8		10 - 105	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	152000	6.928			
1146-65-2	Naphthalene-d8	566000	8.21			
15067-26-2	Acenaphthene-d10	281000	9.963			
1517-22-2	Phenanthrene-d10	410000	11.451			
1719-03-5	Chrysene-d12	352000	14.086			
1520-96-3	Perylene-d12	432000	15.574			

Raw Data: **BF143356.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	08/07/25
Project:	Girard School - PA			Date Received:	08/08/25
Client Sample ID:	COMP-6			SDG No.:	Q2807
Lab Sample ID:	Q2807-03			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	83.6
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143356.D	1	08/11/25 09:32	08/12/25 16:32	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF143356.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143356.D
Acq On : 12 Aug 2025 16:32
Operator : RC/JU
Sample : Q2807-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 16:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	152247	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	565615	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	280798	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	410381	20.000	ng		0.00
76) Chrysene-d12	14.086	240	352203	20.000	ng		0.00
86) Perylene-d12	15.574	264	431956	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	859484	97.622	ng		0.00
7) Phenol-d6	6.557	99	1100835	97.503	ng		0.00
23) Nitrobenzene-d5	7.481	82	676175	74.446	ng		-0.01
42) 2,4,6-Tribromophenol	10.751	330	234342	114.194	ng		0.00
45) 2-Fluorobiphenyl	9.281	172	1181184	71.332	ng		0.00
79) Terphenyl-d14	13.027	244	1100402	55.780	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.474	178	277235	12.382	ng		99
72) Anthracene	11.522	178	59754	2.632	ng		97
75) Fluoranthene	12.663	202	388951	19.831	ng		99
78) Pyrene	12.892	202	384159	13.002	ng		99
81) Benzo(a)anthracene	14.074	228	211166	9.433	ng		97
83) Chrysene	14.110	228	191104	9.155	ng		97
84) Bis(2-ethylhexyl)phtha...	14.063	149	8350	4.881	ng	#	93
87) Indeno(1,2,3-cd)pyrene	17.086	276	92969	3.004	ng		95
88) Benzo(b)fluoranthene	15.139	252	230870m	9.772	ng		
89) Benzo(k)fluoranthene	15.157	252	71611m	3.119	ng		
90) Benzo(a)pyrene	15.510	252	168720	7.582	ng		98
92) Benzo(g,h,i)perylene	17.545	276	85957	3.451	ng		99

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

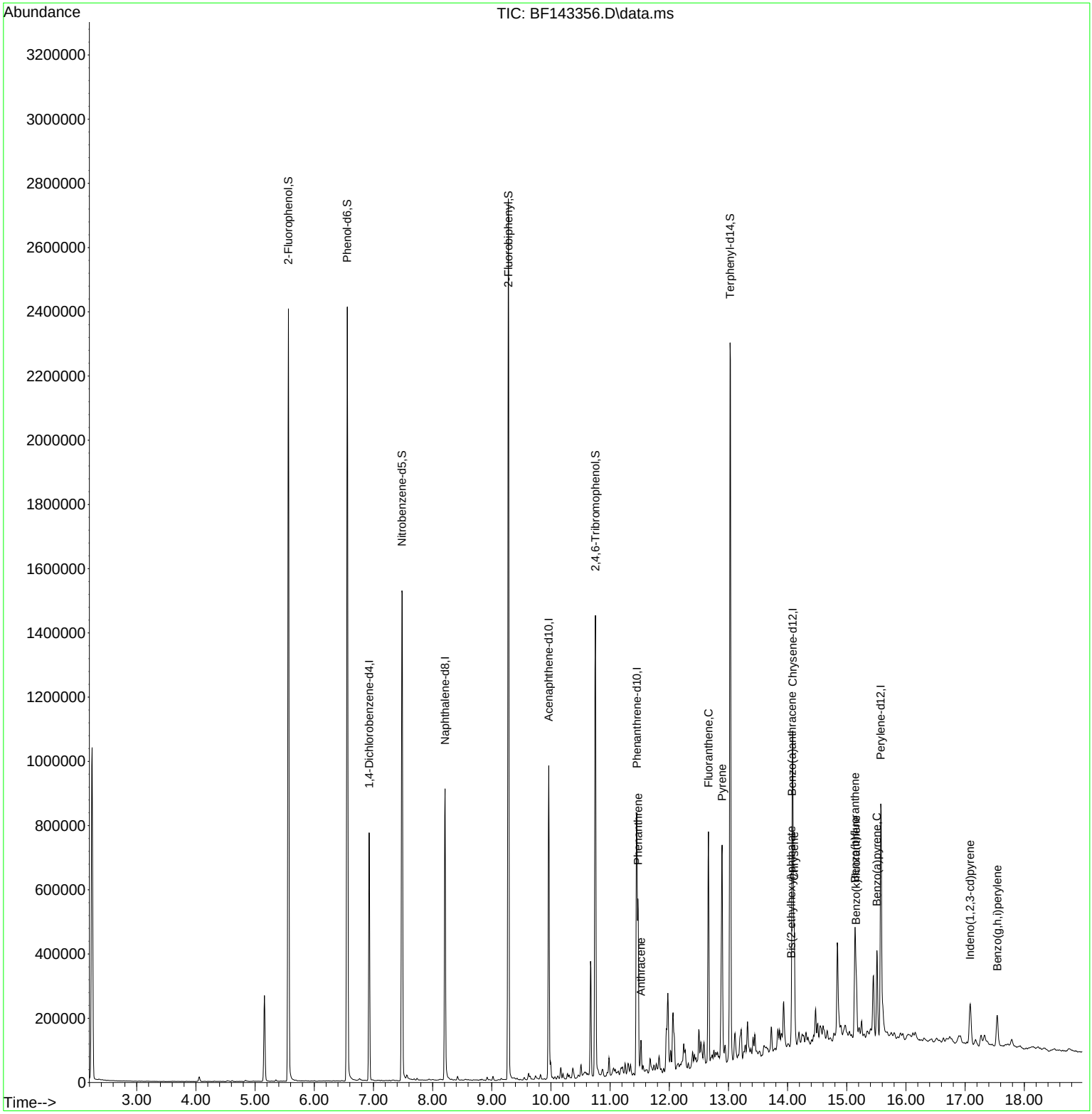
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143356.D
Acq On : 12 Aug 2025 16:32
Operator : RC/JU
Sample : Q2807-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

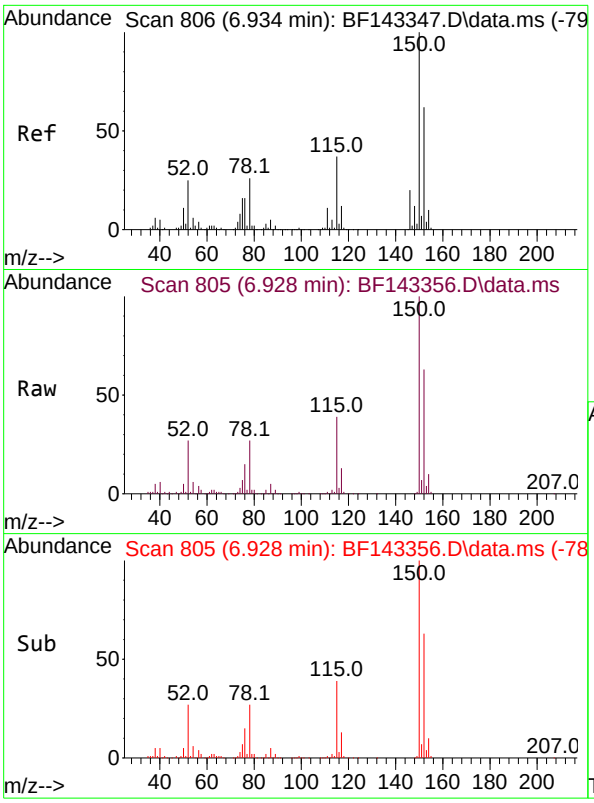
Quant Time: Aug 12 16:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

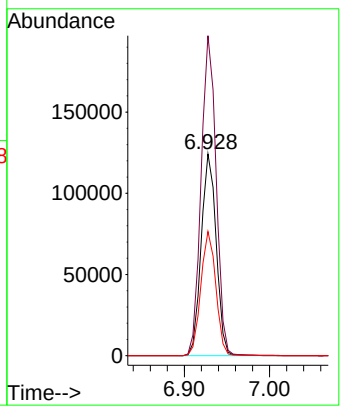




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:152 Resp: 15224

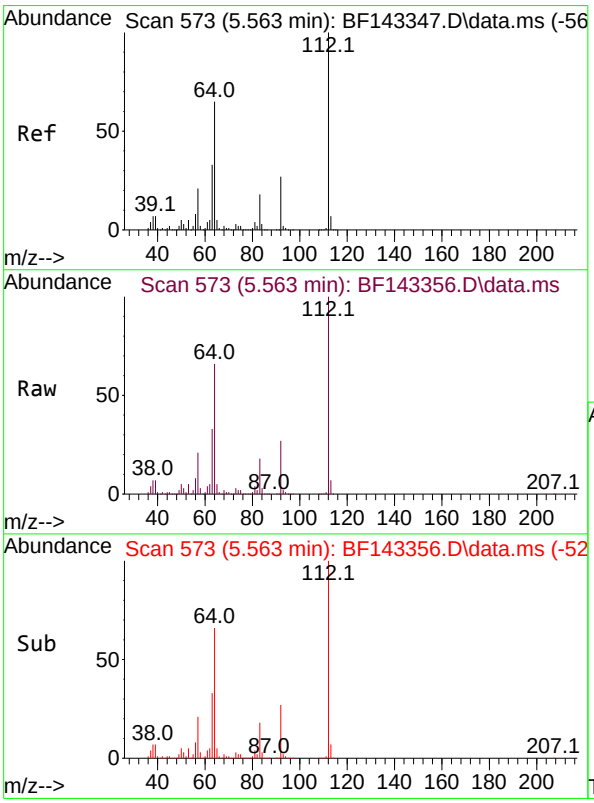
Ion	Ratio	Lower	Upper
152	100		
150	158.6	129.8	194.8
115	61.5	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
APPROVED

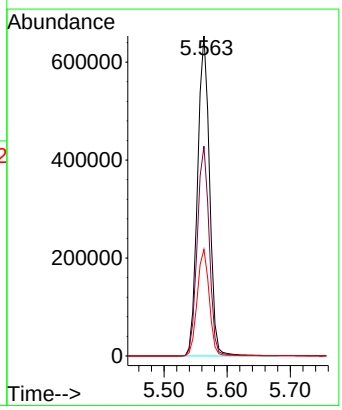
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

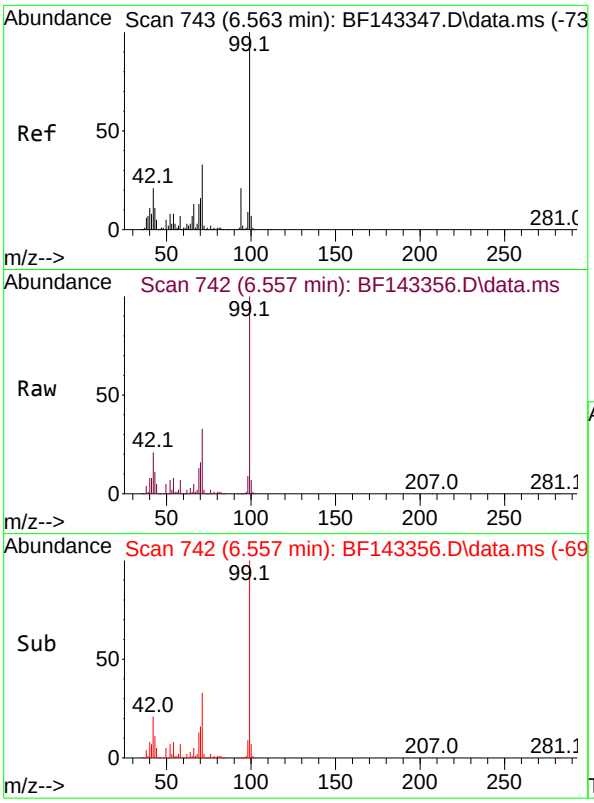


#5
2-Fluorophenol
Concen: 97.622 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:112 Resp: 859484

Ion	Ratio	Lower	Upper
112	100		
64	65.6	52.1	78.1
63	33.3	26.6	39.8

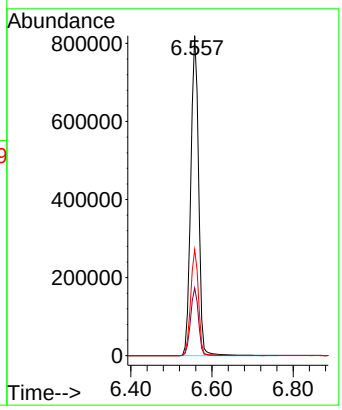




#7
Phenol-d6
Concen: 97.503 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion: 99 Resp: 110083

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.6	25.0
71	33.2	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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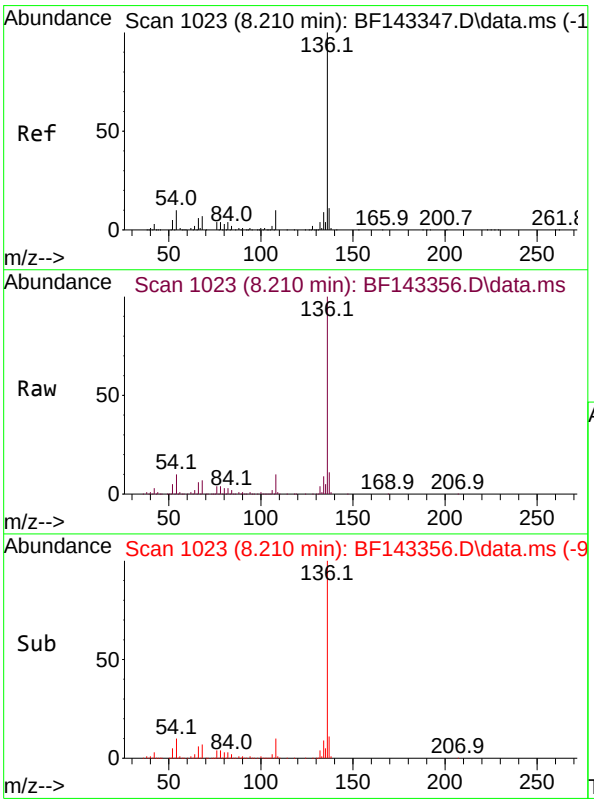
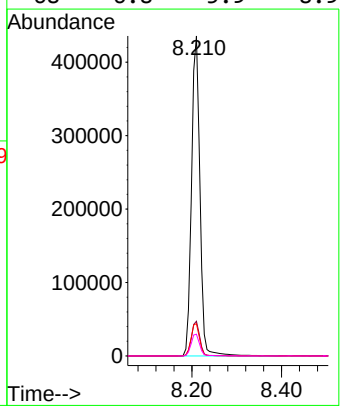
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

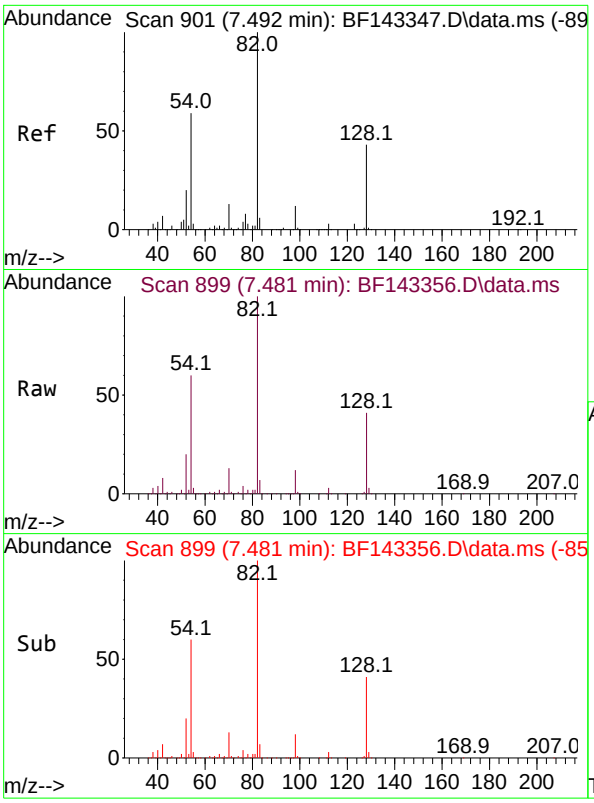


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:136 Resp: 565615

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.4	12.6
68	6.8	5.9	8.9

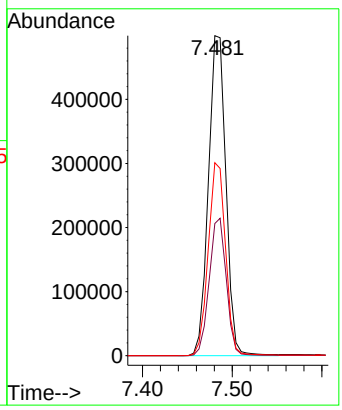




#23
Nitrobenzene-d5
Concen: 74.446 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion: 82 Resp: 67617

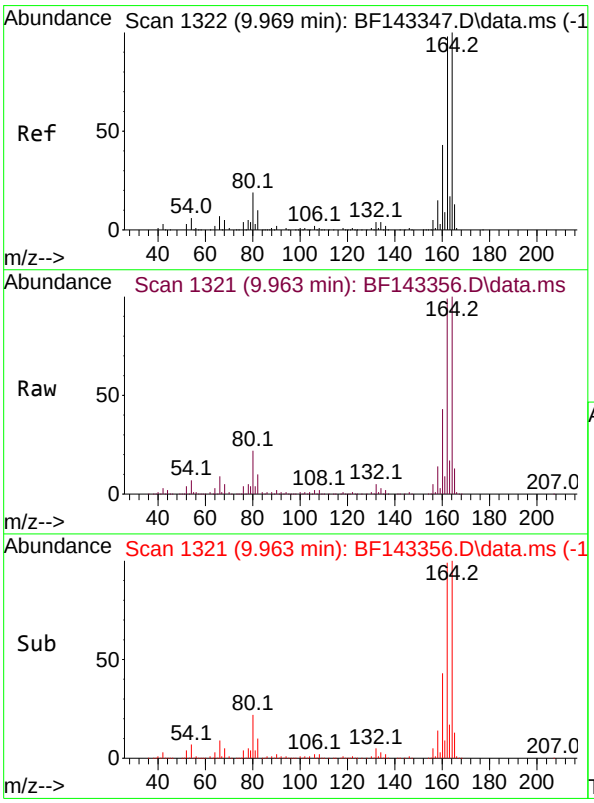
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.5	50.3
54	60.3	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
APPROVED

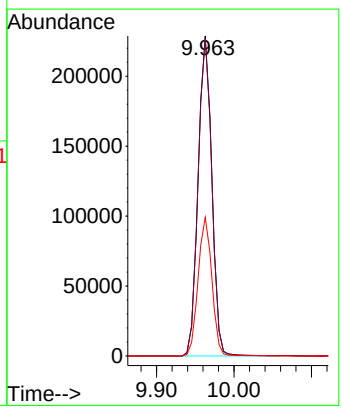
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

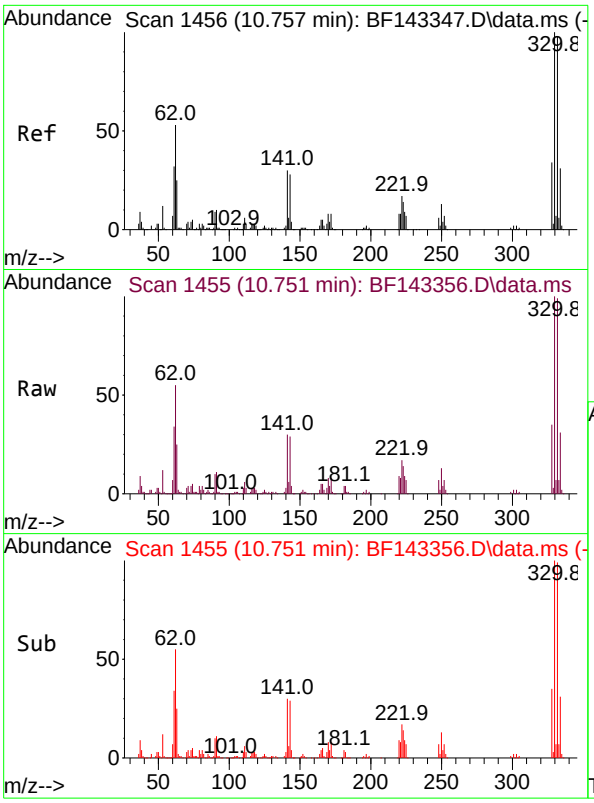


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:164 Resp: 280798

Ion	Ratio	Lower	Upper
164	100		
162	99.2	78.6	118.0
160	43.3	34.4	51.6

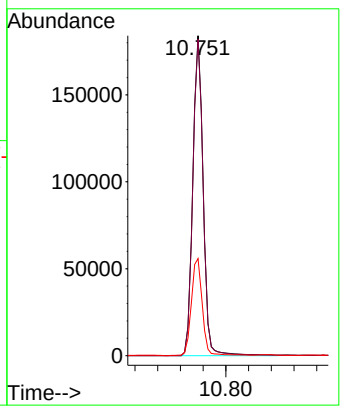




#42
2,4,6-Tribromophenol
Concen: 114.194 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:330 Resp: 23434

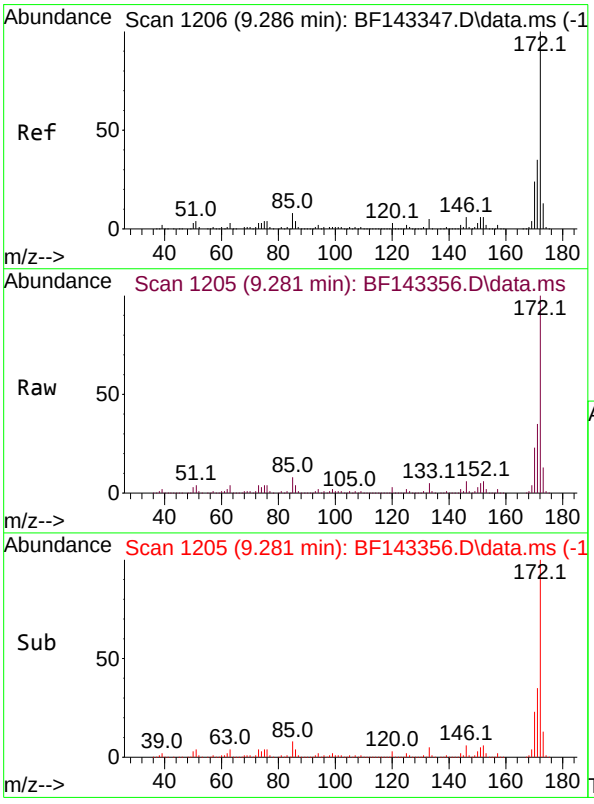
Ion	Ratio	Lower	Upper
330	100		
332	98.9	78.1	117.1
141	32.2	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
APPROVED

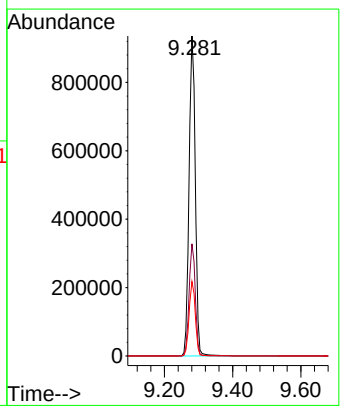
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

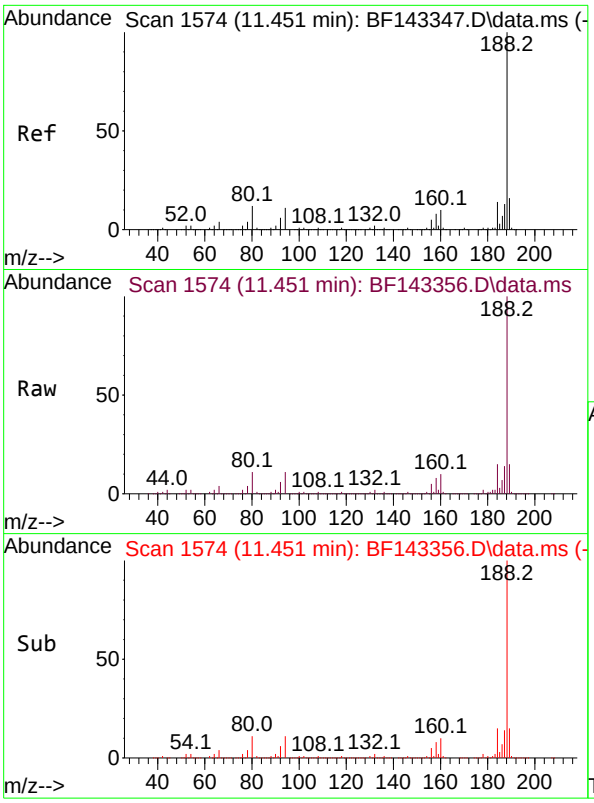


#45
2-Fluorobiphenyl
Concen: 71.332 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:172 Resp: 1181184

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.3	19.1	28.7

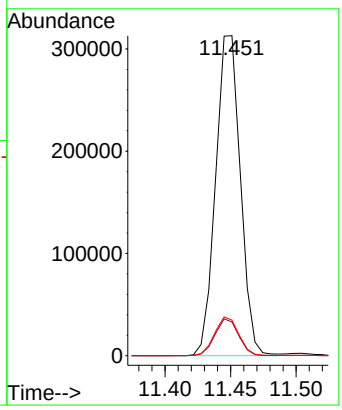




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:188 Resp: 41038

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.8	13.2
80	11.1	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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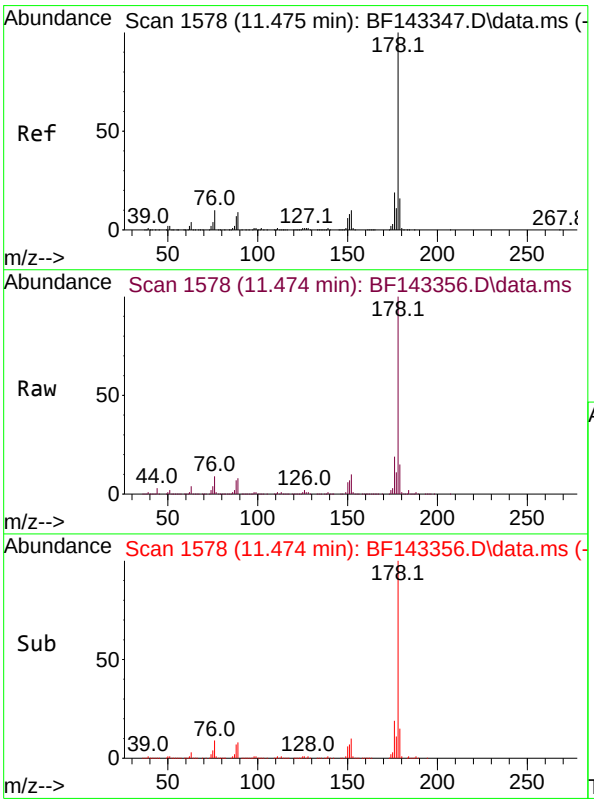
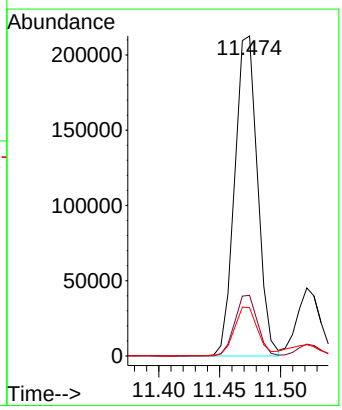
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

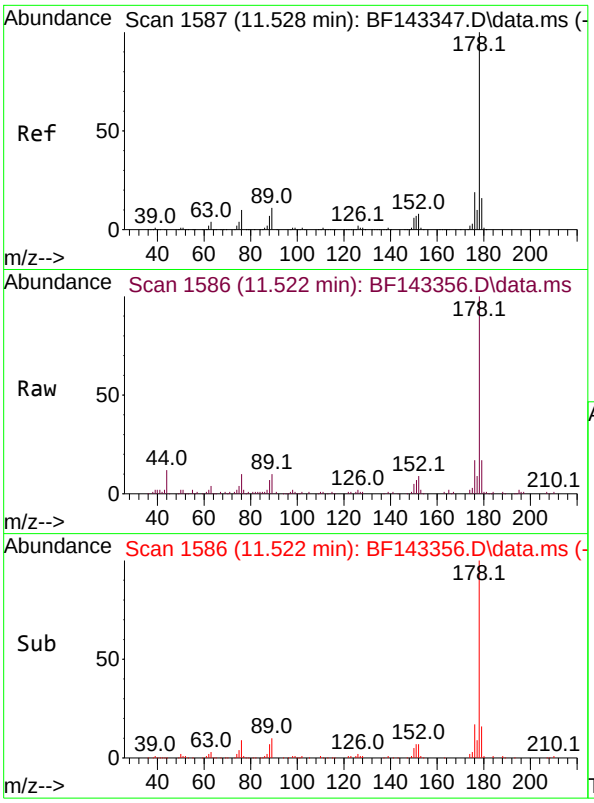


#71
Phenanthrene
Concen: 12.382 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:178 Resp: 277235

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.1	12.5	18.7





#72
Anthracene
Concen: 2.632 ng
RT: 11.522 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:178 Resp: 5975

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.1	22.7
179	16.6	12.7	19.1

Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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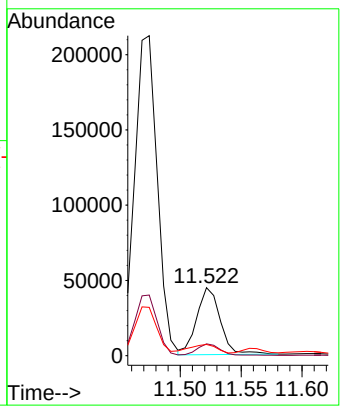
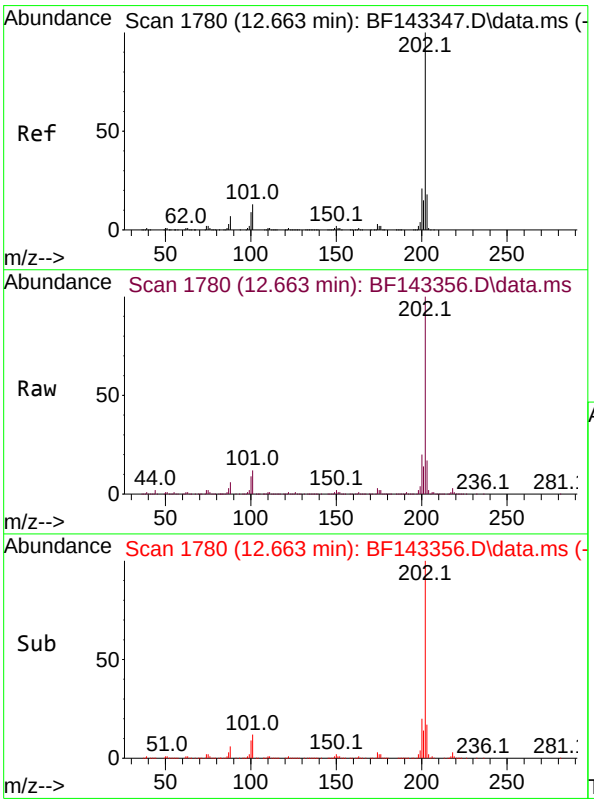
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

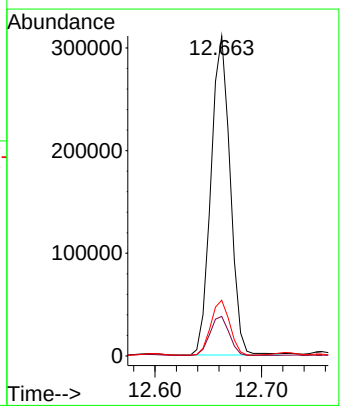


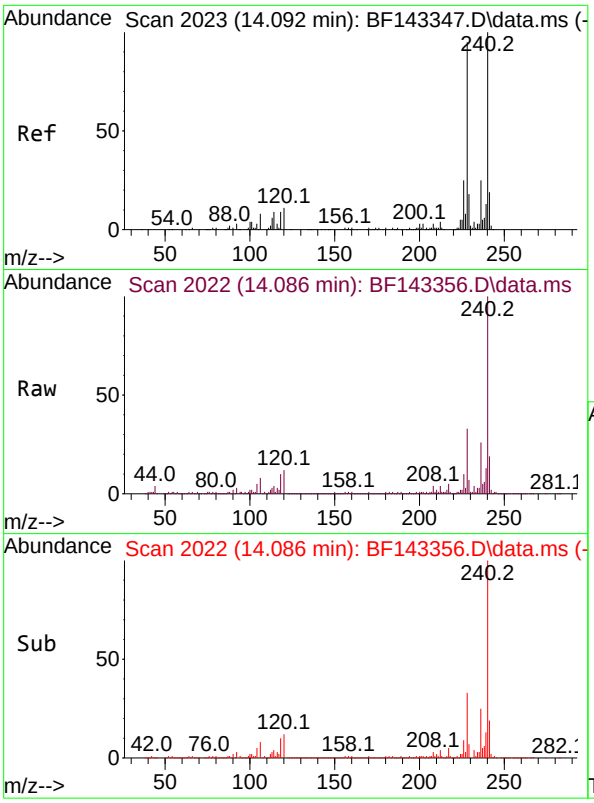


#75
Fluoranthene
Concen: 19.831 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:202 Resp: 388951

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.4	0.0	37.6

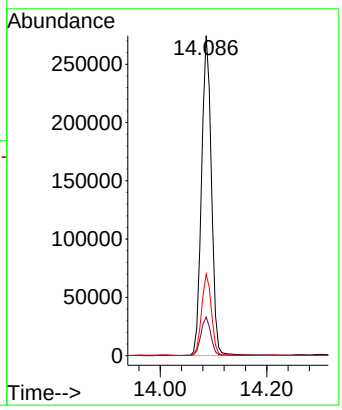




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:240 Resp: 35220

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.0	13.6
236	25.5	19.9	29.9



Instrument :
BNA_F
ClientSampleId :
COMP-6

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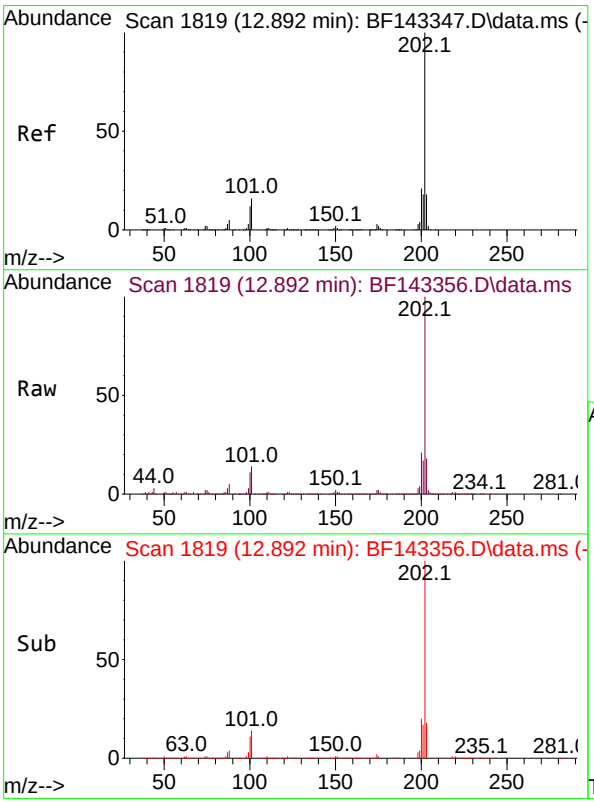
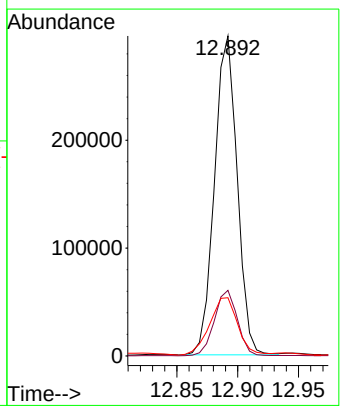
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

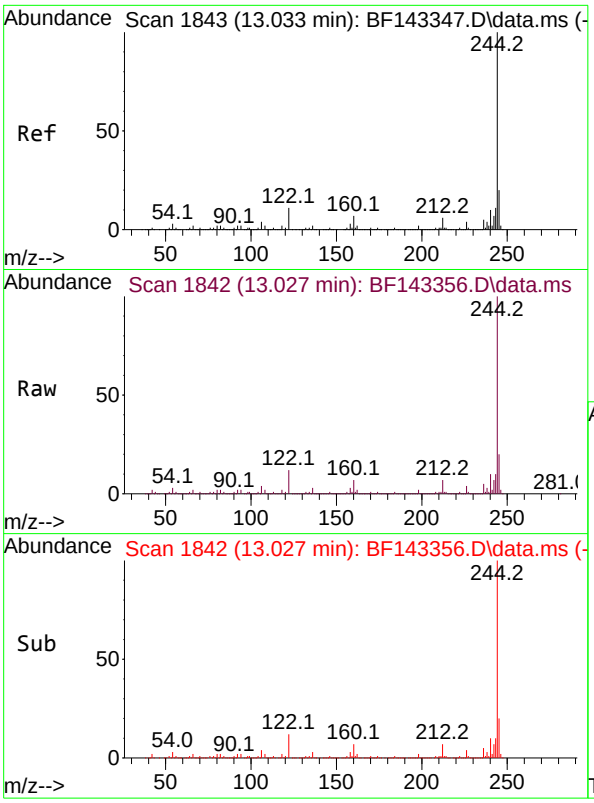


#78
Pyrene
Concen: 13.002 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:202 Resp: 384159

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.2	14.2	21.4

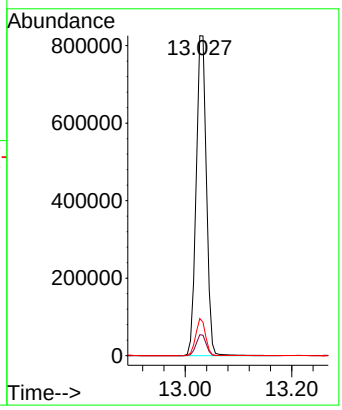




#79
Terphenyl-d14
Concen: 55.780 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:244 Resp: 110040

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.1	7.7
122	11.6	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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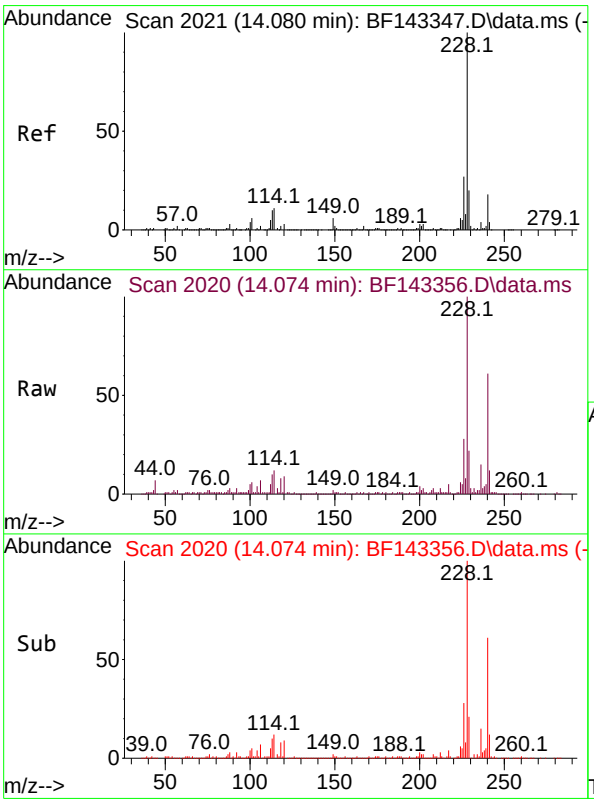
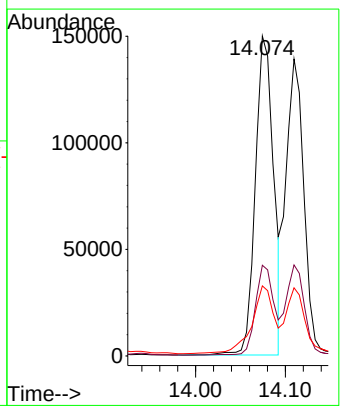
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

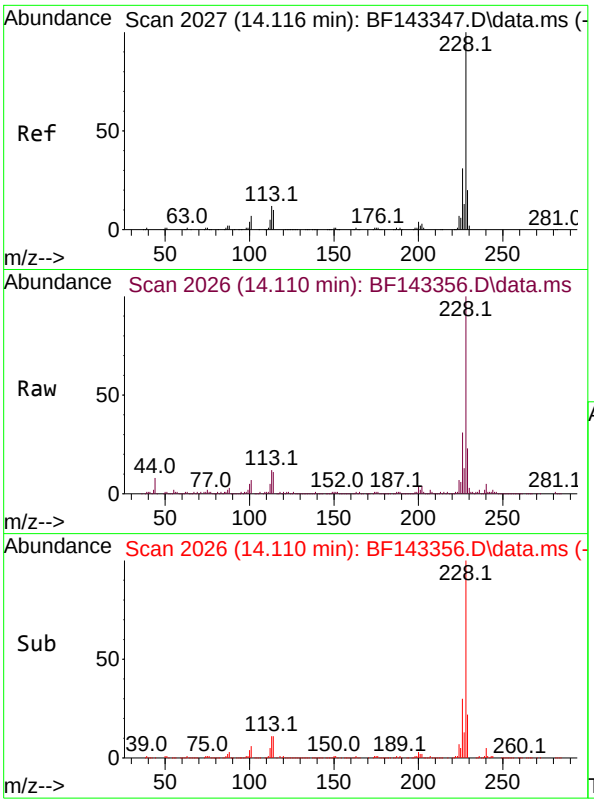


#81
Benzo(a)anthracene
Concen: 9.433 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:228 Resp: 211166

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.0	33.0
229	21.9	15.8	23.8

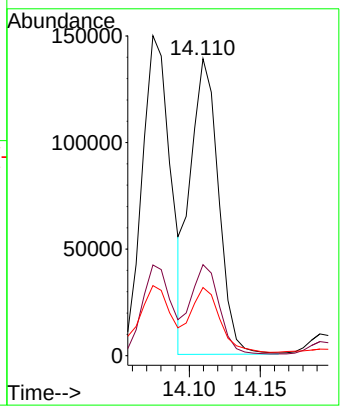




#83
Chrysene
Concen: 9.155 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:228 Resp: 19110

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	23.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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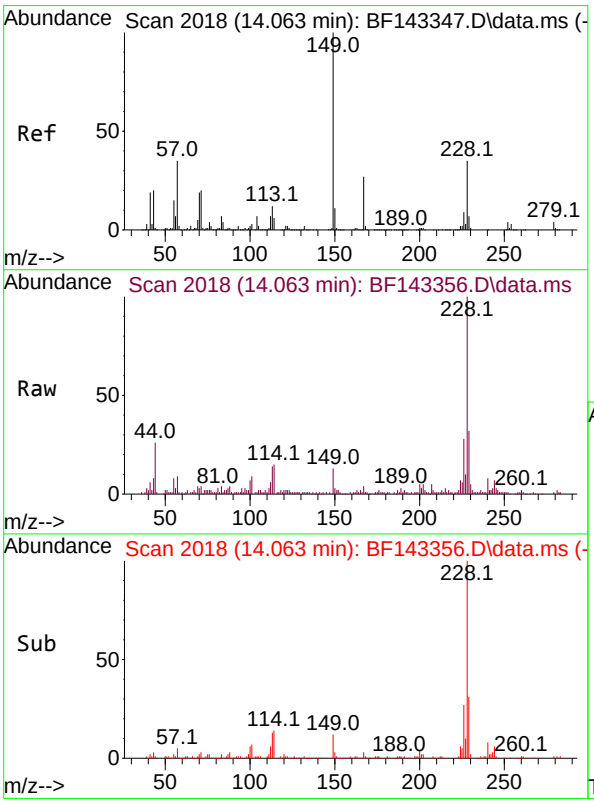
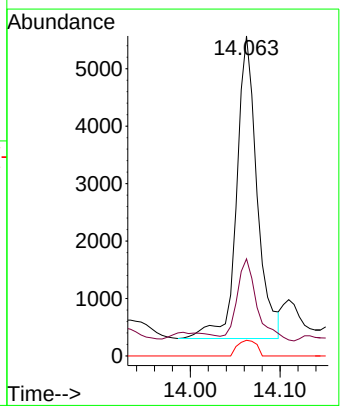
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

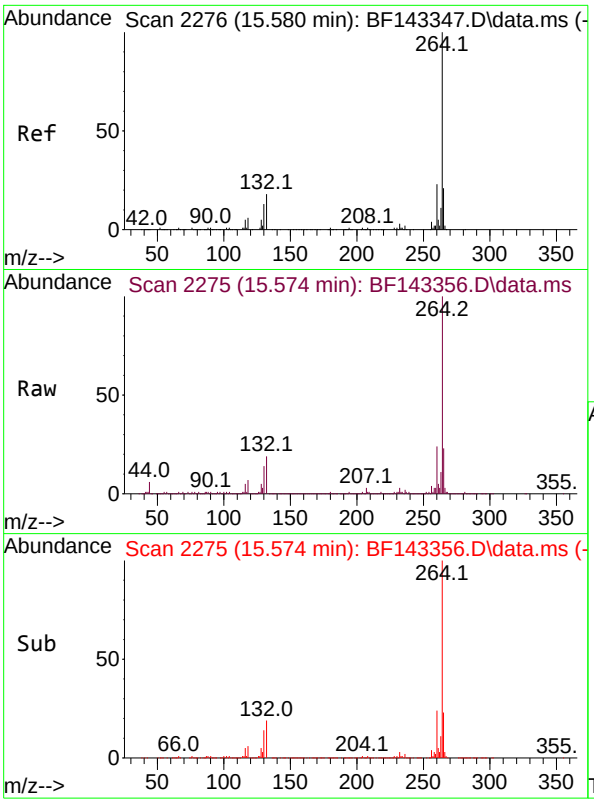


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.881 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:149 Resp: 8350

Ion	Ratio	Lower	Upper
149	100		
167	30.4	21.4	32.0
279	4.9	3.2	4.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Instrument :
BNA_F
ClientSampleId :
COMP-6

Tgt Ion:264 Resp: 43195

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.7	17.2	25.8

Manual Integrations
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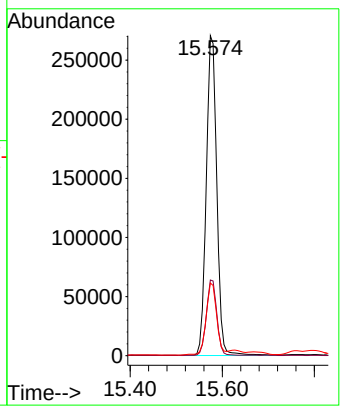
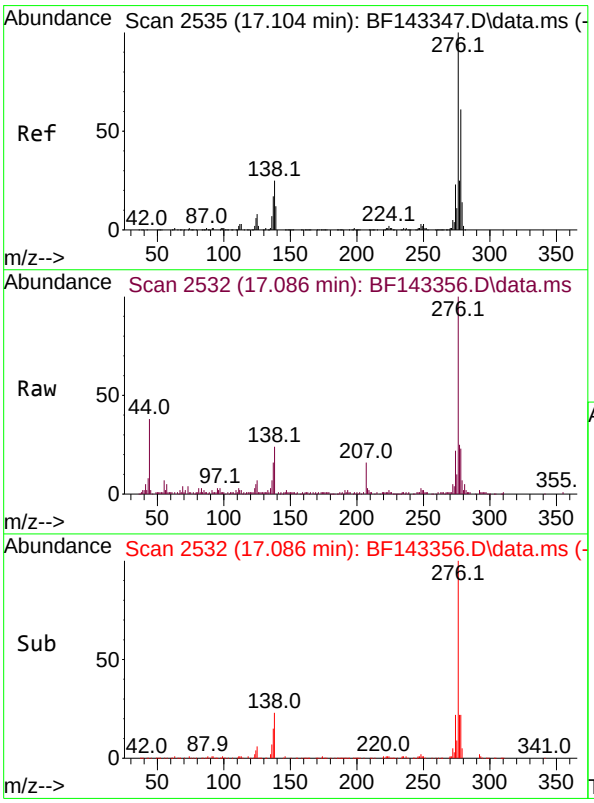
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

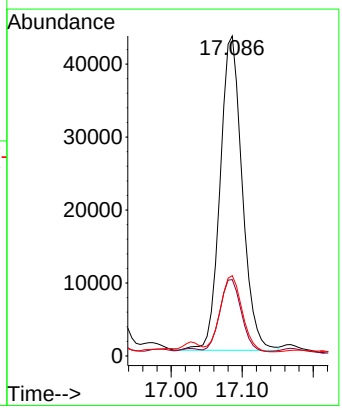


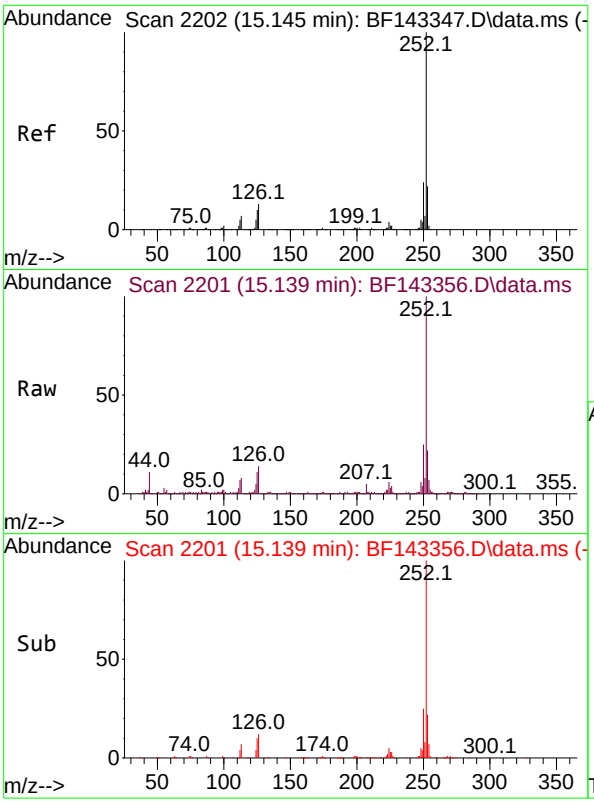


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.004 ng
RT: 17.086 min Scan# 2532
Delta R.T. -0.018 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:276 Resp: 92969

Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.1	31.7
277	24.2	20.2	30.2

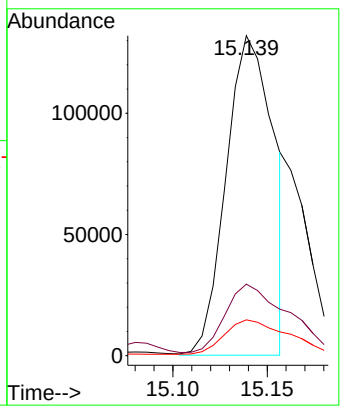




#88
Benzo(b)fluoranthene
Concen: 9.772 ng m
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:252 Resp: 23087

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	7.8	11.6



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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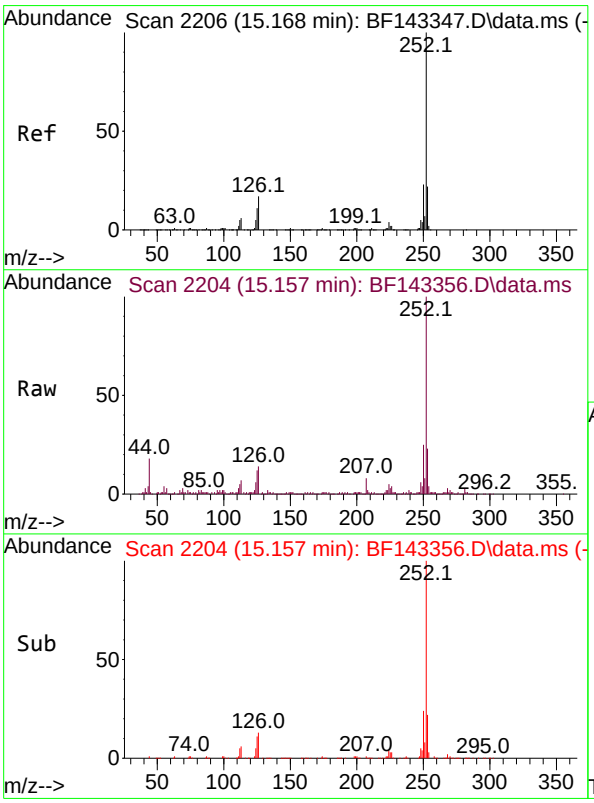
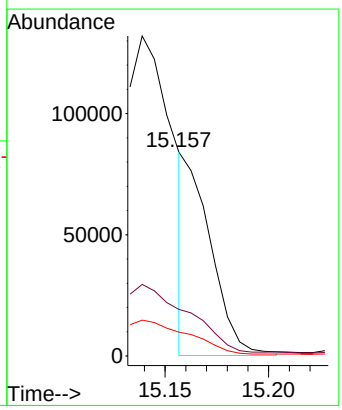
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

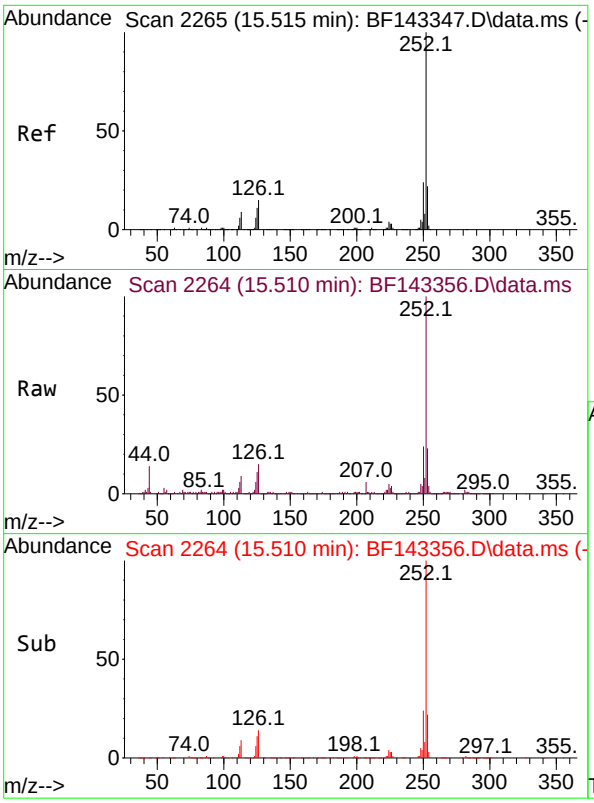


#89
Benzo(k)fluoranthene
Concen: 3.119 ng m
RT: 15.157 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:252 Resp: 71611

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.7	8.4	12.6

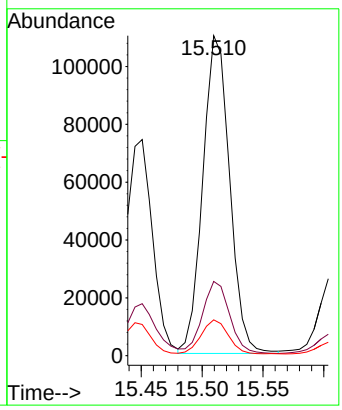




#90
Benzo(a)pyrene
Concen: 7.582 ng
RT: 15.510 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:252 Resp: 16872

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.2	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
COMP-6

Manual Integrations
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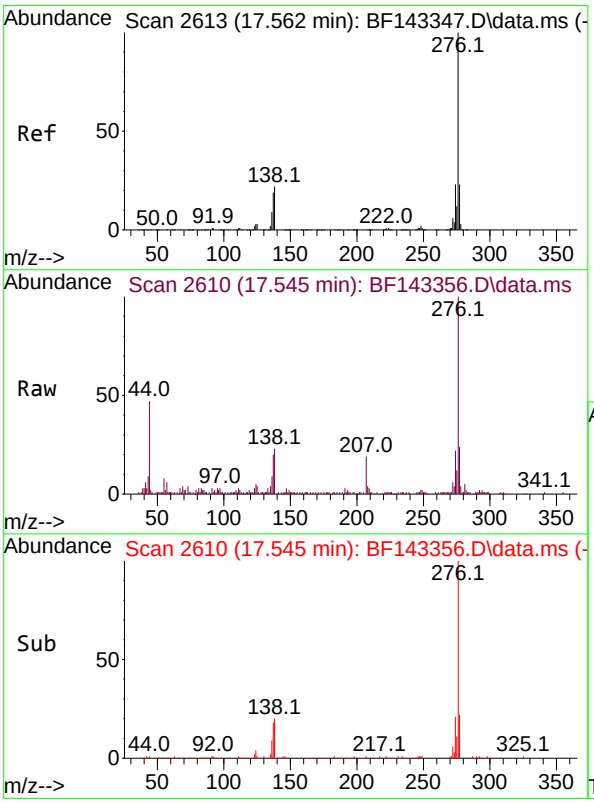
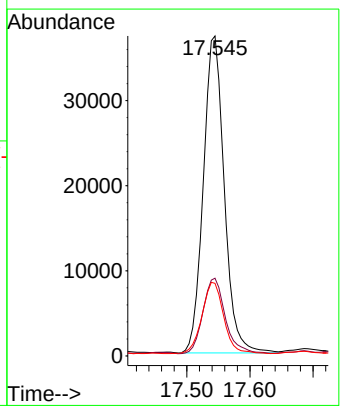
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 3.451 ng
RT: 17.545 min Scan# 2610
Delta R.T. -0.018 min
Lab File: BF143356.D
Acq: 12 Aug 2025 16:32

Tgt Ion:276 Resp: 85957

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	22.7	17.8	26.8



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: POWE02

Lab Code: ACE SDG No.: Q2807

Instrument ID: BNA_F Calibration Date(s): 08/12/2025 08/12/2025

Calibration Time(s): 09:03 12:38

LAB FILE ID: RRF2.5 = BF143343.D RRF005 = BF143344.D RRF010 = BF143345.D
RRF020 = BF143346.D RRF040 = BF143347.D RRF050 = BF143348.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.155	1.170	1.207	1.179	1.143	1.157	3.1
Phenol-d6		1.527	1.505	1.541	1.500	1.447	1.483	3.6
Nitrobenzene-d5		0.277	0.304	0.339	0.336	0.328	0.321	7.2
Naphthalene		1.083	1.023	1.029	0.944	0.901	0.962	8.9
2-Fluorobiphenyl		1.444	1.332	1.285	1.132	1.060	1.179	15.1
Fluorene		1.381	1.288	1.251	1.142	1.091	1.175	11.6
2,4,6-Tribromophenol		0.105	0.127	0.149	0.160	0.160	0.146	15.1
Phenanthrene		1.214	1.159	1.156	1.081	1.022	1.091	8.0
Anthracene		1.225	1.168	1.184	1.088	1.043	1.107	8.0
Pyrene		1.924	1.963	1.910	1.661	1.513	1.678	15.4
Terphenyl-d14		1.337	1.346	1.297	1.089	0.976	1.120	18.4
Benzo(a)anthracene		1.335	1.224	1.339	1.258	1.229	1.271	4.4
Chrysene		1.270	1.249	1.199	1.175	1.163	1.185	5.1
Benzo(b)fluoranthene		1.172	1.027	1.092	1.118	1.046	1.094	5.0
Benzo(a)pyrene		1.049	1.011	1.060	1.033	1.012	1.030	2.0
Indeno(1,2,3-cd)pyrene		1.401	1.455	1.479	1.449	1.392	1.433	2.2
Benzo(g,h,i)perylene		1.108	1.192	1.188	1.169	1.124	1.153	2.9

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143343.D 5 =BF143344.D 10 =BF143345.D 20 =BF143346.D 40 =BF143347.D 50 =BF143348.D 60 =BF143349.D 80 =BF1433
50.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.606	0.582	0.614	0.596	0.592	0.612	0.586	0.598	2.12
3)		Pyridine		1.476	1.573	1.597	1.615	1.623	1.668	1.613	1.595	3.75
4)		n-Nitrosodimet...			0.686	0.711	0.759	0.762	0.776	0.764	0.743	4.80
5)	S	2-Fluorophenol		1.155	1.170	1.207	1.179	1.143	1.151	1.090	1.157	3.15
6)		Aniline		2.162	2.139	2.178	2.119	2.029	2.057	1.954	2.091	3.88
7)	S	Phenol-d6		1.527	1.505	1.541	1.500	1.447	1.475	1.386	1.483	3.58
8)		2-Chlorophenol		1.167	1.215	1.272	1.259	1.240	1.271	1.227	1.236	3.01
9)		Benzaldehyde			1.109	1.106	1.011	0.875	0.800		0.980	14.15
10)	C	Phenol		1.823	1.791	1.843	1.783	1.721	1.734	1.604	1.757	4.56
11)		bis(2-Chloroet...		1.357	1.304	1.333	1.306	1.252	1.279	1.235	1.295	3.34
12)		1,3-Dichlorobe...		1.551	1.479	1.482	1.432	1.364	1.386	1.285	1.425	6.21
13)	C	1,4-Dichlorobe...		1.576	1.510	1.485	1.414	1.370	1.366	1.294	1.431	6.82
14)		1,2-Dichlorobe...		1.486	1.416	1.407	1.347	1.295	1.309	1.247	1.358	6.09
15)		Benzyl Alcohol			0.980	1.069	1.088	1.066	1.097	1.079	1.063	3.98
16)		2,2'-oxybis(1-...		2.521	2.408	2.435	2.317	2.214	2.224	2.065	2.312	6.76
17)		2-Methylphenol		1.017	1.038	1.077	1.064	1.036	1.059	1.012	1.043	2.35
18)		Hexachloroethane		0.425	0.433	0.460	0.462	0.449	0.466	0.444	0.449	3.42
19)	P	n-Nitroso-di-n...	0.956	0.992	0.942	0.957	0.910	0.863	0.875	0.837	0.916	5.89
20)		3+4-Methylphenols			1.331	1.373	1.288	1.227	1.227	1.125	1.262	7.00
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.500	0.478	0.475	0.429	0.404	0.417	0.381	0.441	9.98
23)	S	Nitrobenzene-d5		0.277	0.304	0.339	0.336	0.328	0.341	0.324	0.321	7.17
24)		Nitrobenzene		0.322	0.329	0.366	0.359	0.352	0.367	0.347	0.349	5.02
25)		Isophorone		0.692	0.662	0.683	0.645	0.627	0.651	0.630	0.656	3.79
26)	C	2-Nitrophenol		0.069	0.085	0.109	0.126	0.134	0.151	0.150	0.118	26.89
27)		2,4-Dimethylph...		0.259	0.261	0.288	0.279	0.275	0.285	0.267	0.274	4.15
28)		bis(2-Chloroet...		0.424	0.410	0.425	0.396	0.383	0.396	0.369	0.400	5.19
29)	C	2,4-Dichloroph...		0.243	0.256	0.286	0.275	0.270	0.279	0.262	0.267	5.54
30)		1,2,4-Trichlor...		0.299	0.290	0.299	0.277	0.269	0.278	0.260	0.282	5.30
31)		Naphthalene		1.083	1.023	1.029	0.944	0.901	0.917	0.839	0.962	8.88
32)		Benzoic acid			0.069	0.085	0.108	0.120	0.136	0.142	0.110	25.83
33)		4-Chloroaniline		0.362	0.350	0.367	0.345	0.334	0.345	0.326	0.347	4.13
34)	C	Hexachlorobuta...		0.185	0.181	0.187	0.175	0.166	0.171	0.161	0.175	5.49
35)		Caprolactam			0.061	0.073	0.079	0.078	0.081	0.079	0.075	9.95
36)	C	4-Chloro-3-met...		0.270	0.274	0.296	0.286	0.279	0.286	0.270	0.280	3.54
37)		2-Methylnaphth...		0.720	0.673	0.681	0.622	0.591	0.593	0.548	0.633	9.63
38)		1-Methylnaphth...		0.690	0.654	0.653	0.595	0.568	0.574	0.531	0.609	9.38

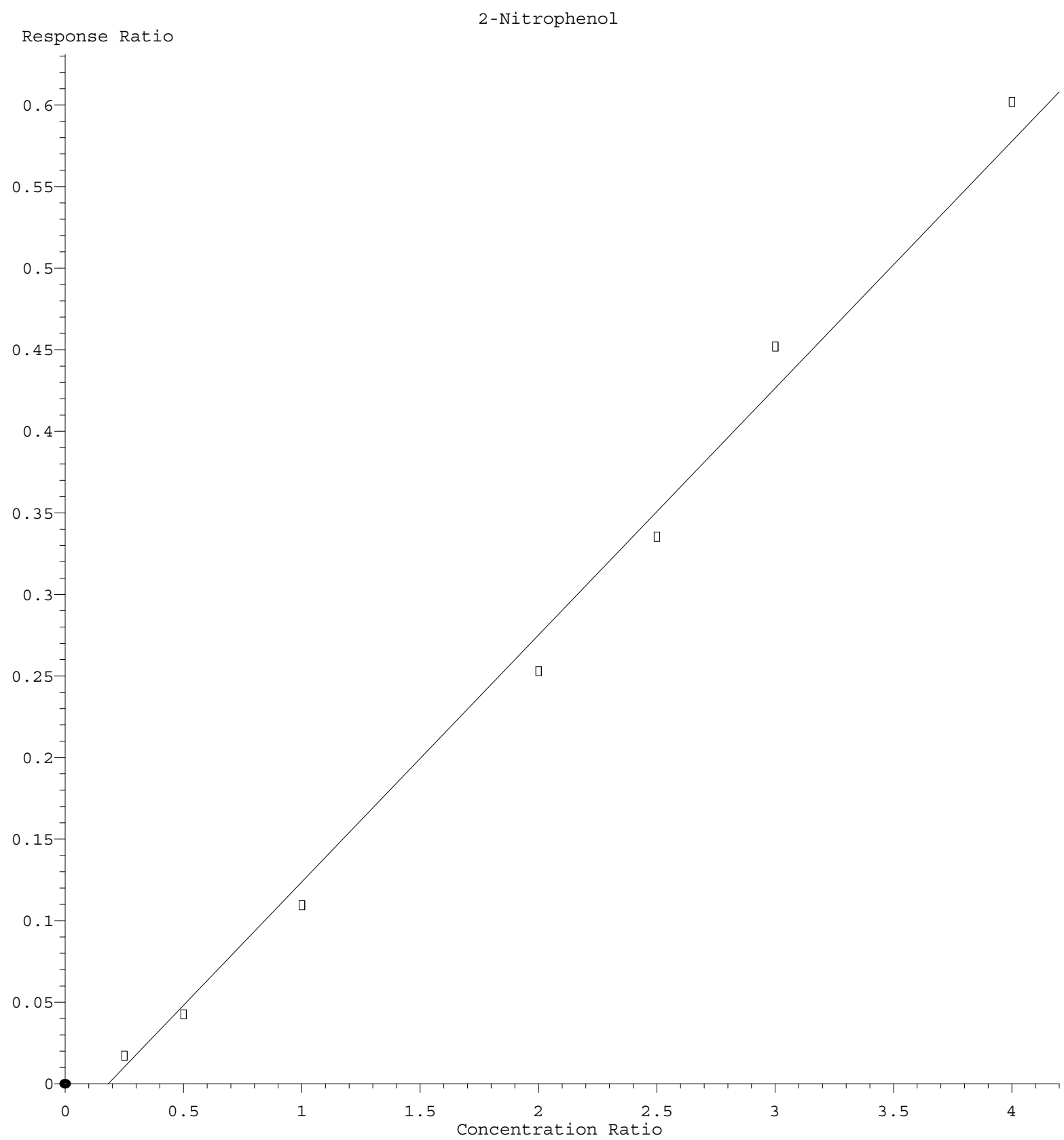
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.588	0.566	0.575	0.542	0.524	0.537	0.499	0.547	5.66
41)	P	Hexachlorocycl...		0.088	0.130	0.167	0.172	0.192	0.201	0.158	26.72
42)	S	2,4,6-Tribromo...	0.105	0.127	0.149	0.160	0.160	0.164	0.159	0.146	15.13
43)	C	2,4,6-Trichlor...	0.242	0.272	0.316	0.334	0.328	0.343	0.338	0.311	12.43
44)		2,4,5-Trichlor...	0.307	0.308	0.366	0.377	0.364	0.370	0.361	0.351	8.48
45)	S	2-Fluorobiphenyl	1.444	1.332	1.285	1.132	1.060	1.052	0.951	1.179	15.06
46)		1,1'-Biphenyl	1.613	1.506	1.516	1.389	1.317	1.335	1.223	1.414	9.63
47)		2-Chloronaphth...	1.216	1.176	1.180	1.095	1.046	1.081	1.003	1.114	7.06
48)		2-Nitroaniline	0.188	0.223	0.279	0.309	0.321	0.336	0.330	0.284	20.23
49)		Acenaphthylene	1.759	1.682	1.719	1.588	1.525	1.541	1.444	1.608	7.13
50)		Dimethylphthalate	1.160	1.178	1.244	1.180	1.144	1.171	1.103	1.169	3.66
51)		2,6-Dinitrotol...	0.125	0.147	0.188	0.213	0.219	0.234	0.228	0.193	21.87
52)	C	Acenaphthene	1.208	1.127	1.121	1.054	1.012	1.017	0.945	1.069	8.28
53)		3-Nitroaniline	0.159	0.193	0.250	0.261	0.265	0.281	0.266	0.239	18.92
54)	P	2,4-Dinitrophenol		0.030	0.046	0.066	0.073	0.086	0.092	0.065	36.52
55)		Dibenzofuran	1.757	1.641	1.634	1.511	1.438	1.446	1.346	1.539	9.33
56)	P	4-Nitrophenol		0.096	0.147	0.173	0.180	0.194	0.190	0.163	22.52
57)		2,4-Dinitrotol...	0.154	0.191	0.257	0.289	0.296	0.308	0.297	0.256	23.42
58)		Fluorene	1.381	1.288	1.251	1.142	1.091	1.089	0.986	1.175	11.65
59)		2,3,4,6-Tetrac...	0.172	0.188	0.236	0.255	0.258	0.276	0.270	0.236	17.33
60)		Diethylphthalate	1.011	1.061	1.132	1.081	1.037	1.031	0.974	1.047	4.84
61)		4-Chlorophenyl...	0.645	0.601	0.600	0.563	0.533	0.536	0.498	0.568	8.84
62)		4-Nitroaniline	0.174	0.202	0.253	0.249	0.248	0.253	0.242	0.232	13.40
63)		Azobenzene	1.302	1.228	1.285	1.193	1.147	1.149	1.065	1.196	6.99
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.036	0.054	0.071	0.077	0.087	0.091	0.069	29.75
66)	c	n-Nitrosodiphe...	0.693	0.670	0.674	0.655	0.639	0.651	0.627	0.659	3.38
67)		4-Bromophenyl-...	0.232	0.222	0.232	0.231	0.227	0.231	0.226	0.229	1.65
68)		Hexachlorobenzene	0.258	0.249	0.250	0.244	0.237	0.248	0.240	0.247	2.76
69)		Atrazine	0.147	0.157	0.187	0.178	0.180	0.182	0.173	0.172	8.45
70)	C	Pentachlorophenol		0.058	0.087	0.108	0.113	0.120	0.122	0.101	24.06
71)		Phenanthrene	1.214	1.159	1.156	1.081	1.022	1.034	0.973	1.091	8.02
72)		Anthracene	1.225	1.168	1.184	1.088	1.043	1.057	0.980	1.107	7.97
73)		Carbazole	1.049	1.000	1.017	0.934	0.879	0.893	0.825	0.942	8.71
74)		Di-n-butylphth...	0.674	0.739	0.889	0.864	0.819	0.817	0.780	0.798	9.24
75)	C	Fluoranthene	1.120	1.054	1.051	0.917	0.873	0.856	0.820	0.956	12.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.541	0.653	0.591	0.549	0.511	0.434	0.547	13.50
78)		Pyrene	1.924	1.963	1.910	1.661	1.513	1.460	1.315	1.678	15.44
79)	S	Terphenyl-d14	1.337	1.346	1.297	1.089	0.976	0.957	0.841	1.120	18.44
80)		Butylbenzylpht...	0.179	0.208	0.272	0.303	0.320	0.346	0.359	0.284	24.15
81)		Benzo(a)anthra...	1.335	1.224	1.339	1.258	1.229	1.309	1.205	1.271	4.37
82)		3,3'-Dichlorob...		0.255	0.327	0.364	0.374	0.382	0.358	0.343	13.77
83)		Chrysene	1.270	1.249	1.199	1.175	1.163	1.143	1.098	1.185	5.06
84)		Bis(2-ethylhex...	0.228	0.277	0.348	0.441	0.478	0.520	0.531	0.403	29.82
85)	c	Di-n-octyl pht...		0.545	0.692	0.888	0.945	1.045	1.047	0.860	23.52

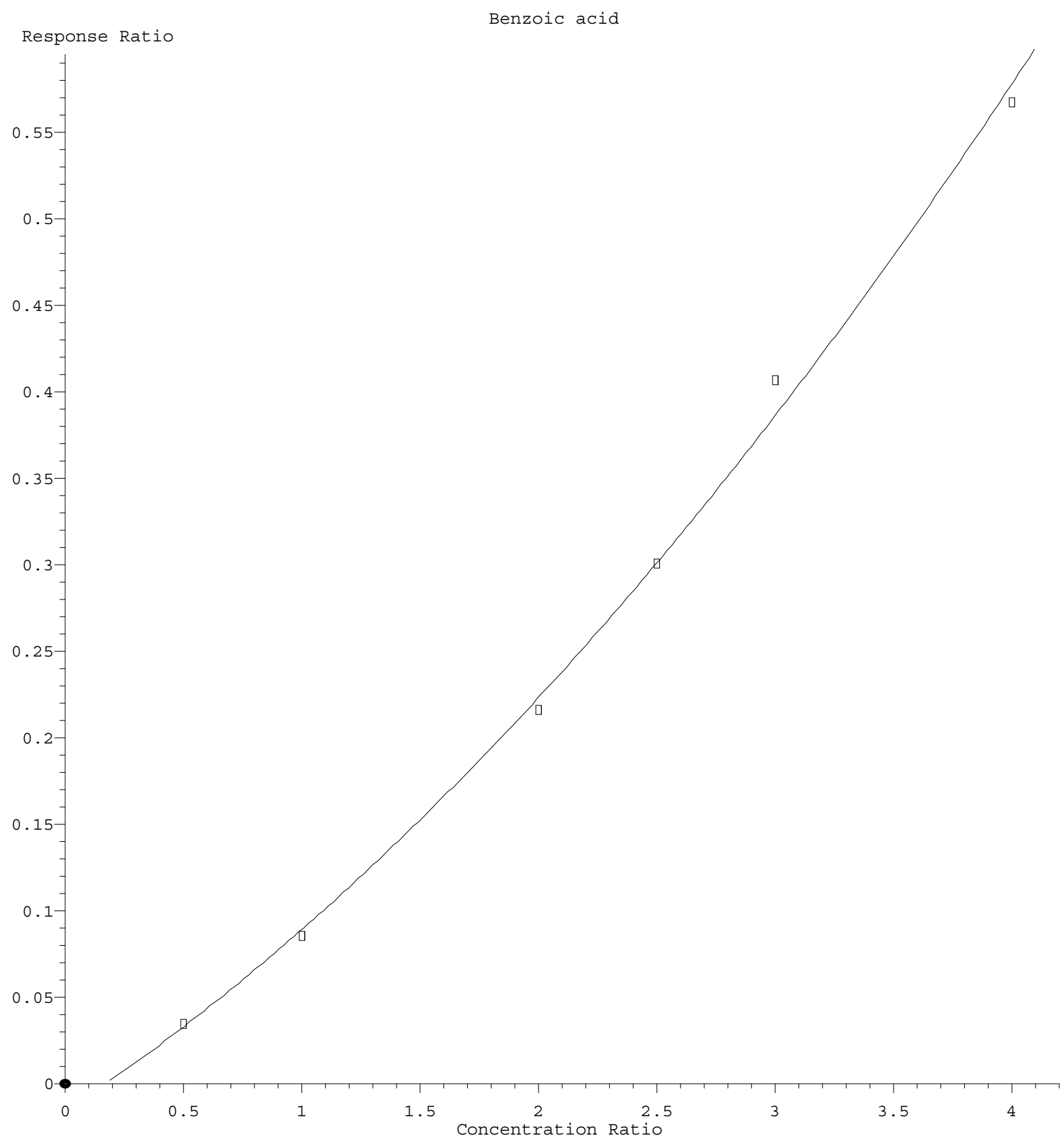
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF081225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.401	1.455	1.479	1.449	1.392	1.443	1.411	1.433	2.24
88)		Benzo(b)fluora...	1.172	1.027	1.092	1.118	1.046	1.147	1.054	1.094	4.98
89)		Benzo(k)fluora...	1.064	1.080	1.158	1.036	1.053	1.022	1.027	1.063	4.41
90)	C	Benzo(a)pyrene	1.049	1.011	1.060	1.033	1.012	1.039	1.008	1.030	1.99
91)		Dibenzo(a,h)an...	1.129	1.162	1.184	1.170	1.119	1.155	1.094	1.145	2.77
92)		Benzo(g,h,i)pe...	1.108	1.192	1.188	1.169	1.124	1.168	1.123	1.153	2.94

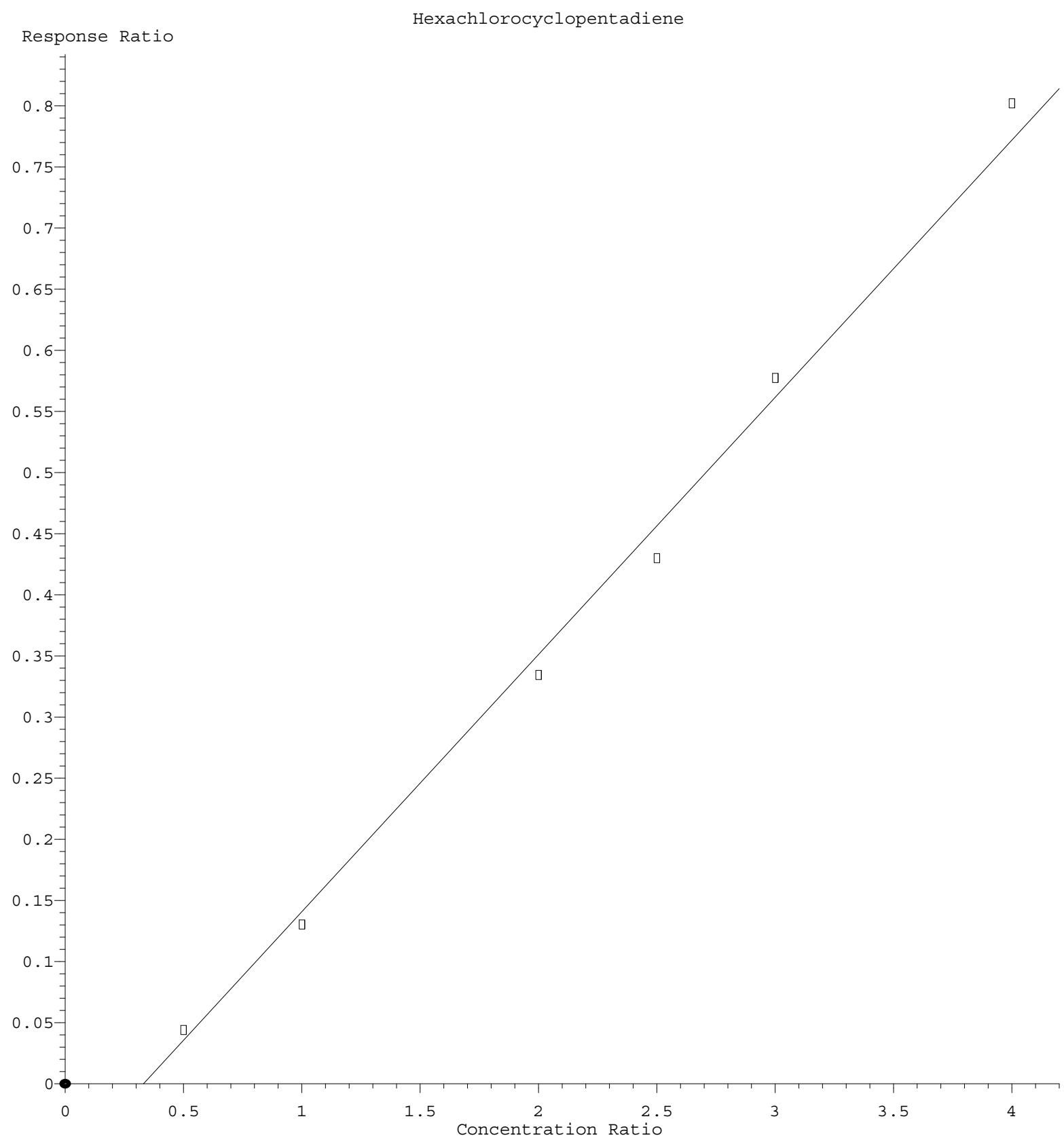
(#) = Out of Range



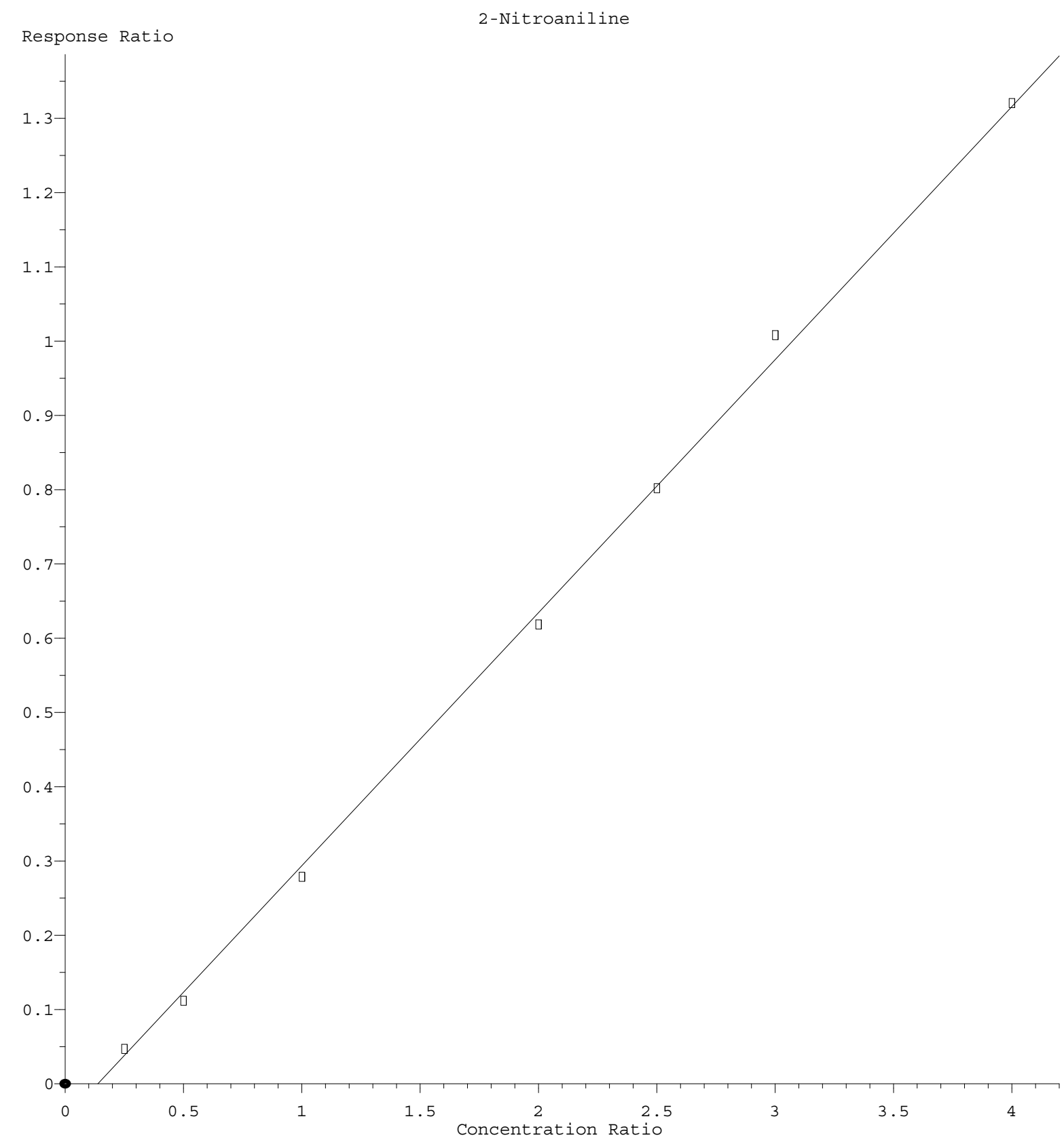
Response = 1.513e-001 * Amt - 2.755e-002
Coef of Det (r^2) = 0.993246 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



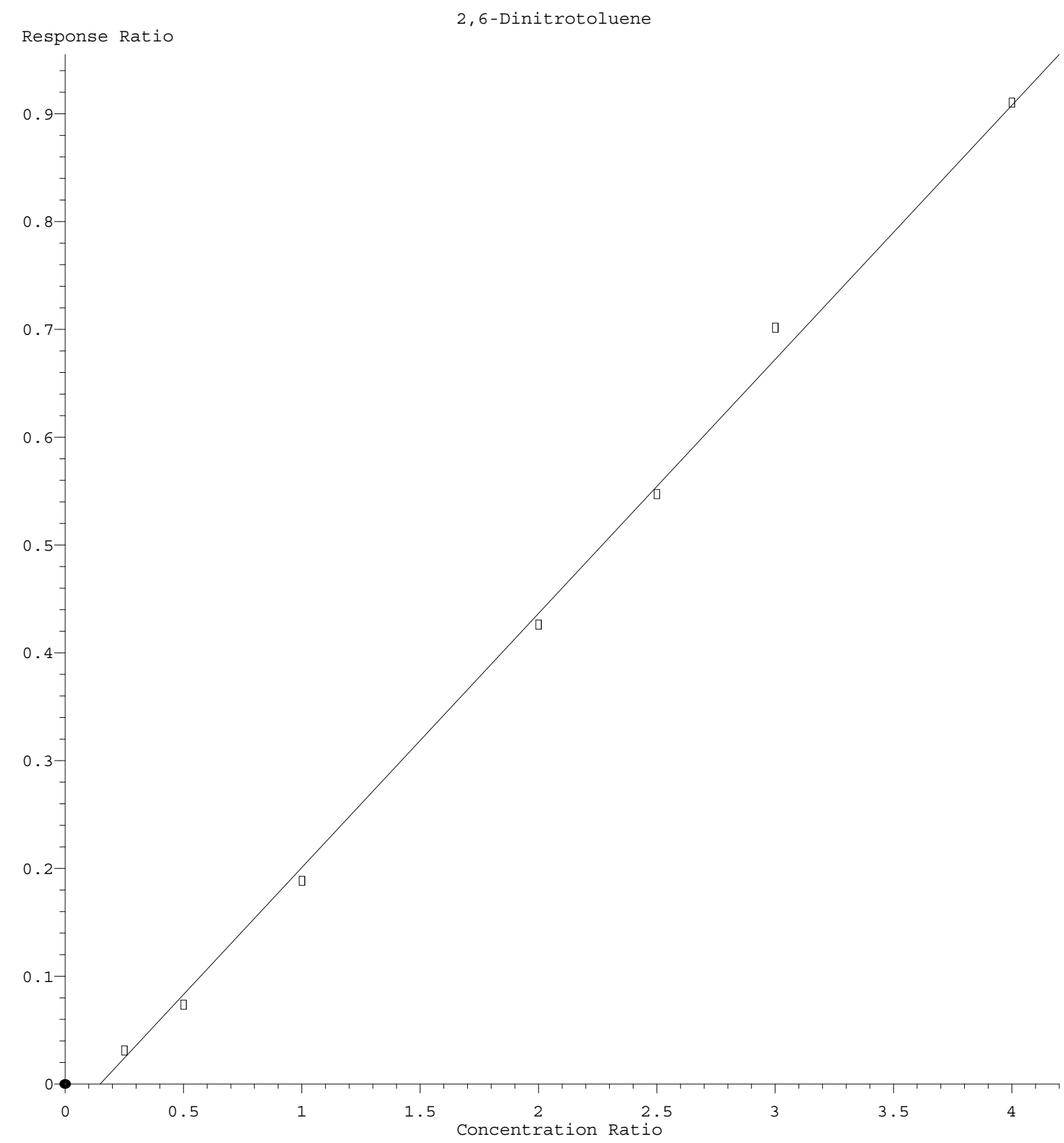
R = 1.441e-002 A*A + 9.089e-002 A - 1.614e-002
Coef of Det (r^2) = 0.998015 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 2.105e-001 * Amt - 6.972e-002
Coef of Det (r^2) = 0.995567 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

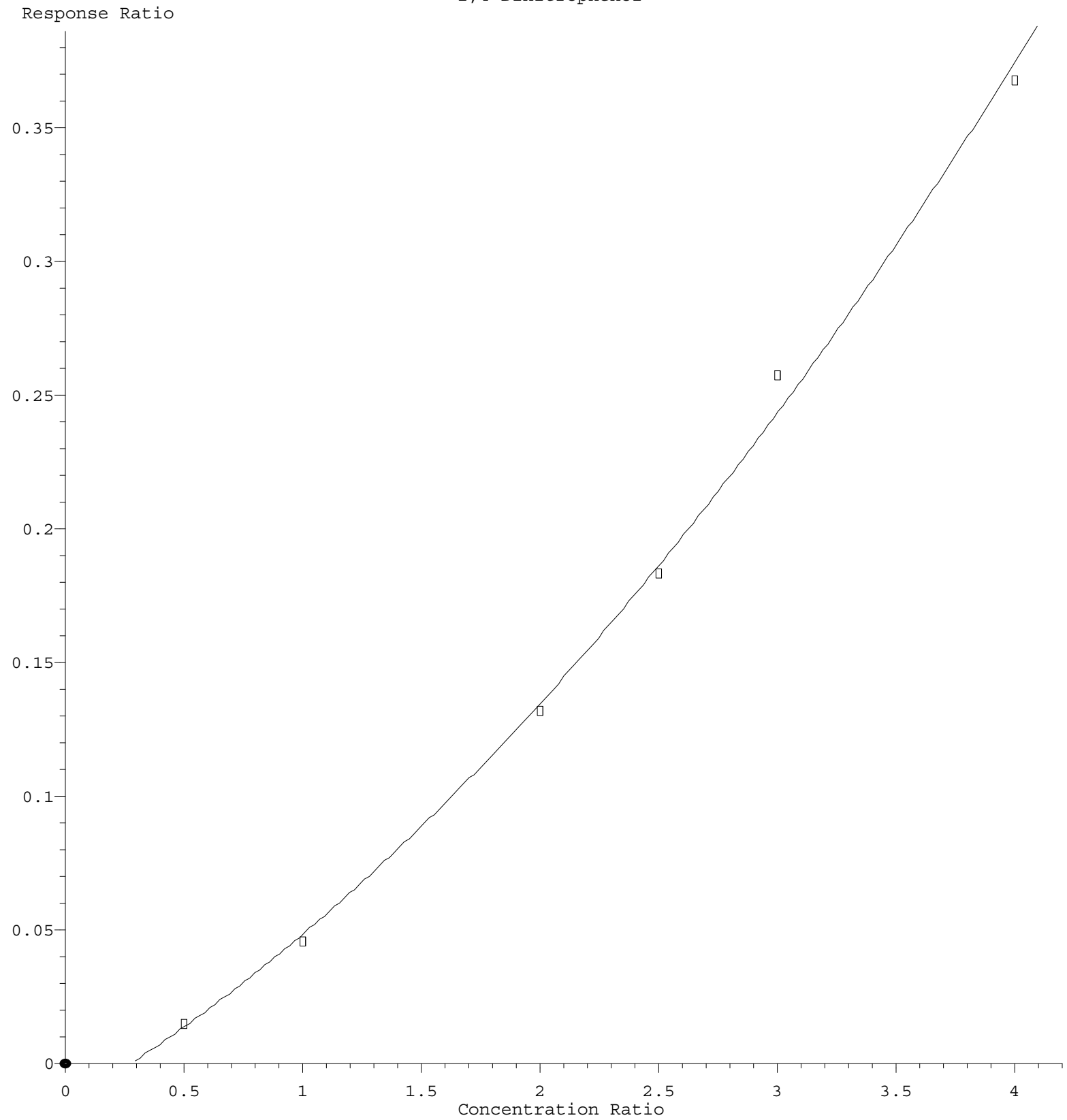


Response = 3.408e-001 * Amt - 4.713e-002
Coef of Det (r^2) = 0.998503 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

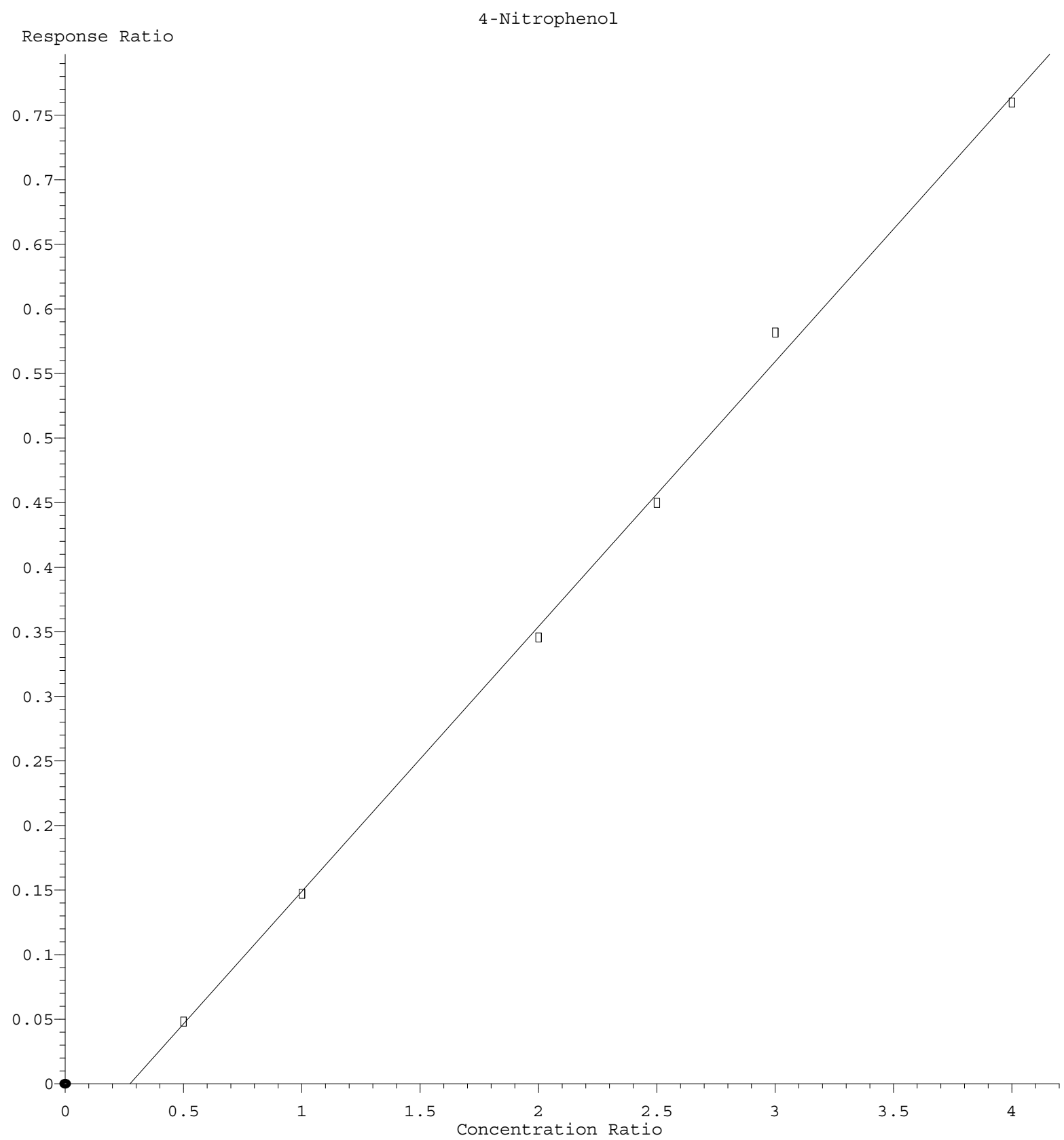


Response = 2.357e-001 * Amt - 3.491e-002
Coef of Det (r^2) = 0.997850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

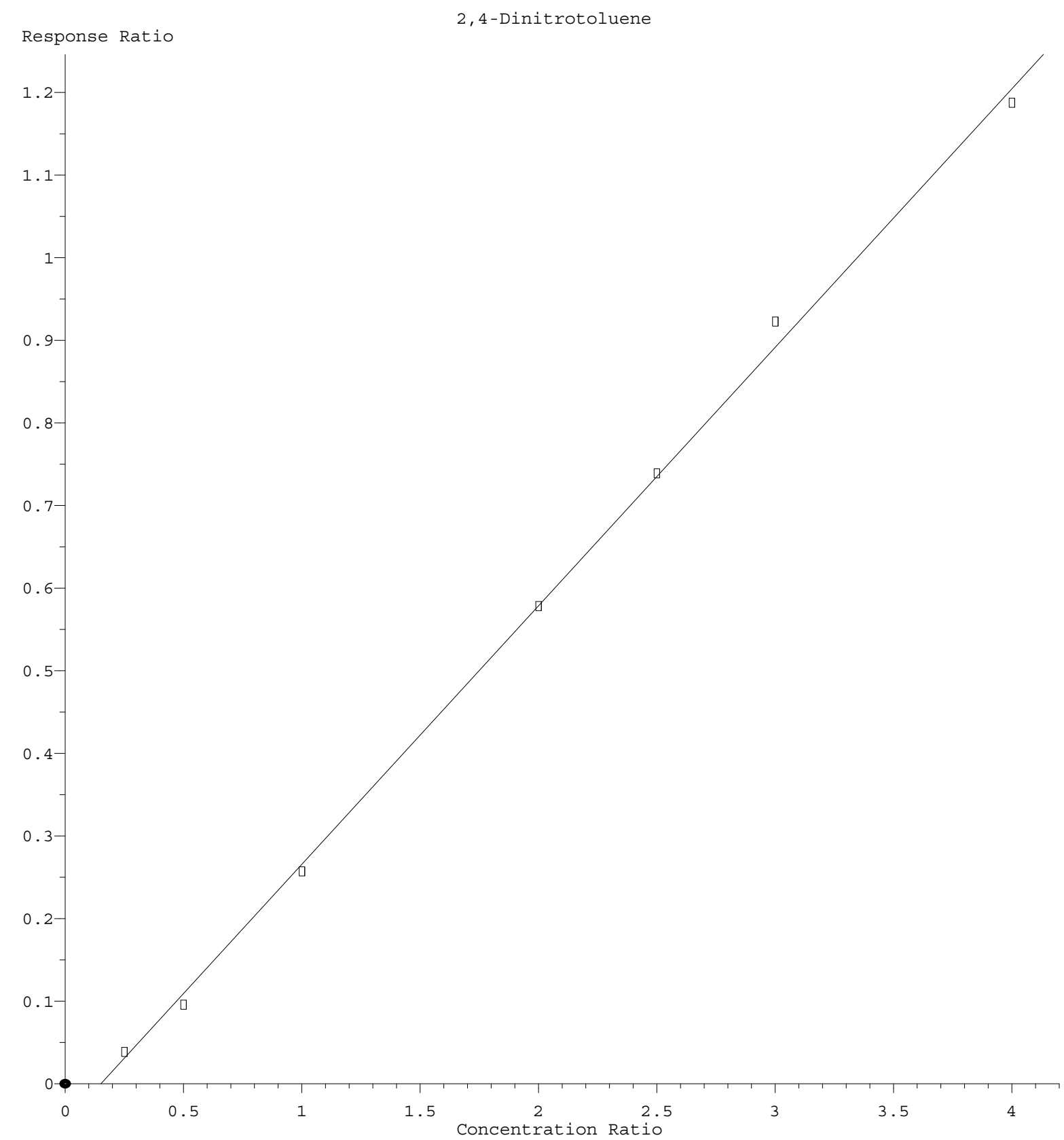
2,4-Dinitrophenol



R = 1.122e-002 A*A + 5.261e-002 A - 1.543e-002
Coef of Det (r^2) = 0.997954 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

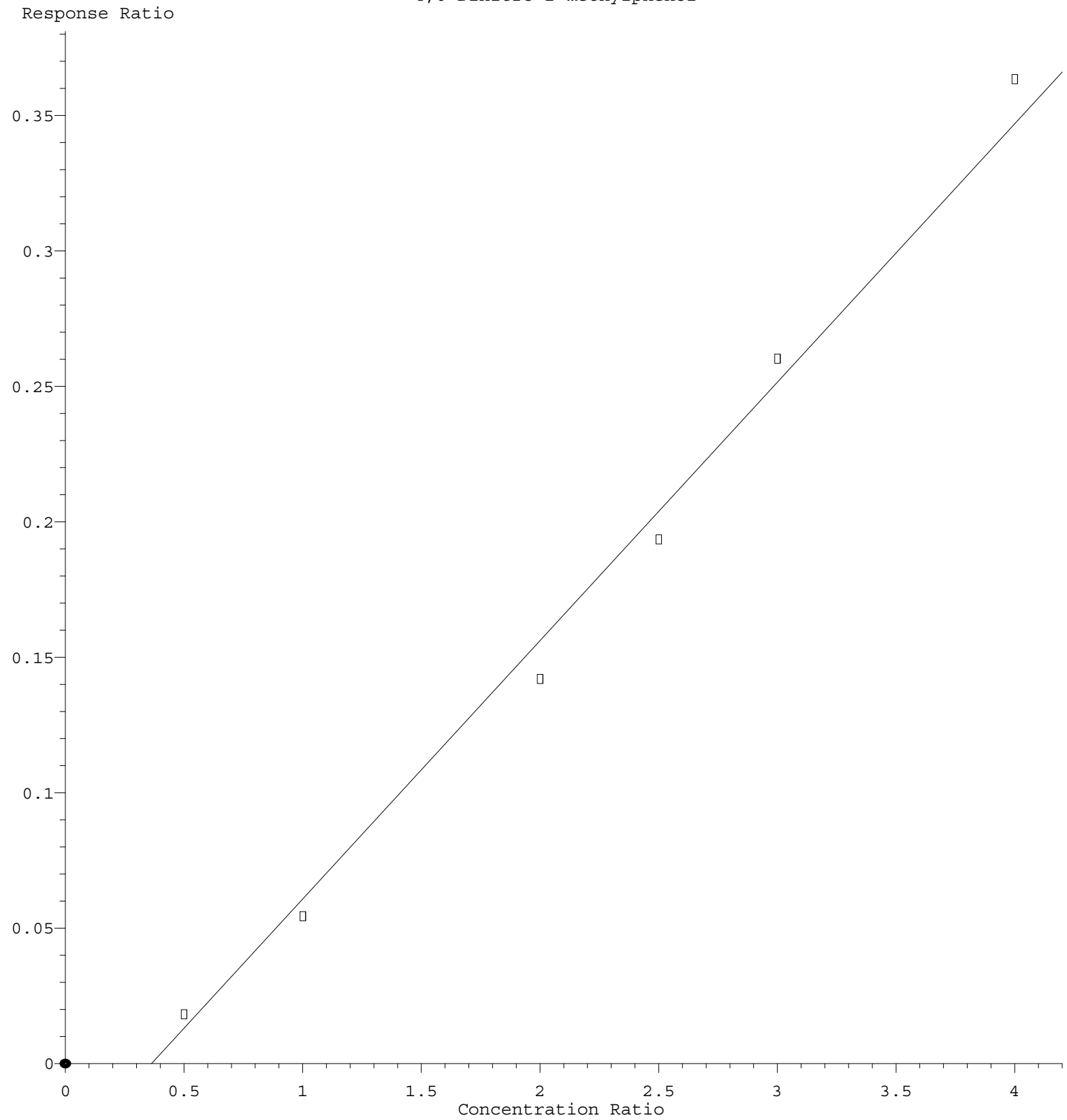


Response = 2.053e-001 * Amt - 5.623e-002
Coef of Det (r^2) = 0.998868 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

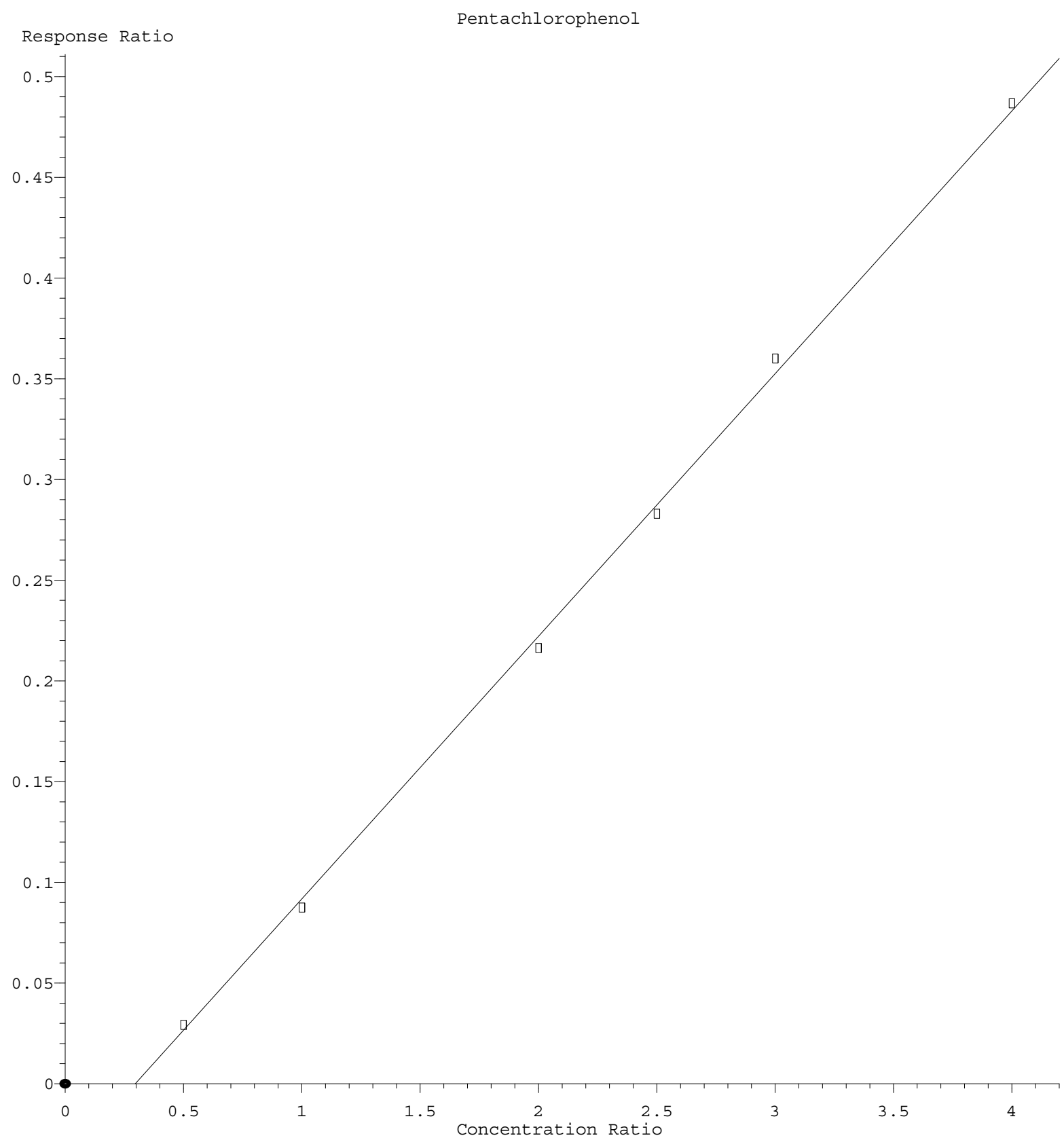


Response = 3.131e-001 * Amt - 4.718e-002
Coef of Det (r^2) = 0.998548 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

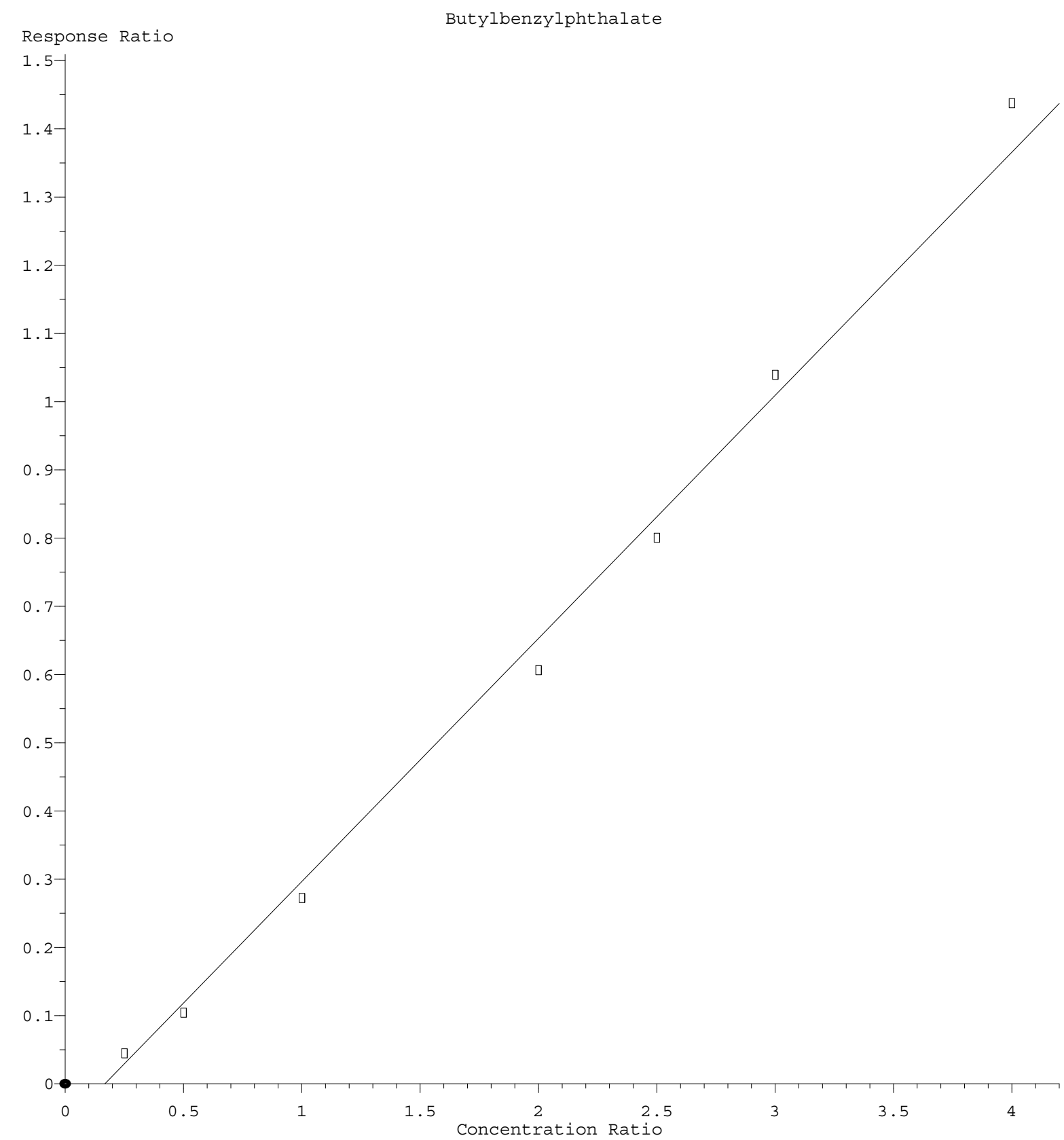
4,6-Dinitro-2-methylphenol



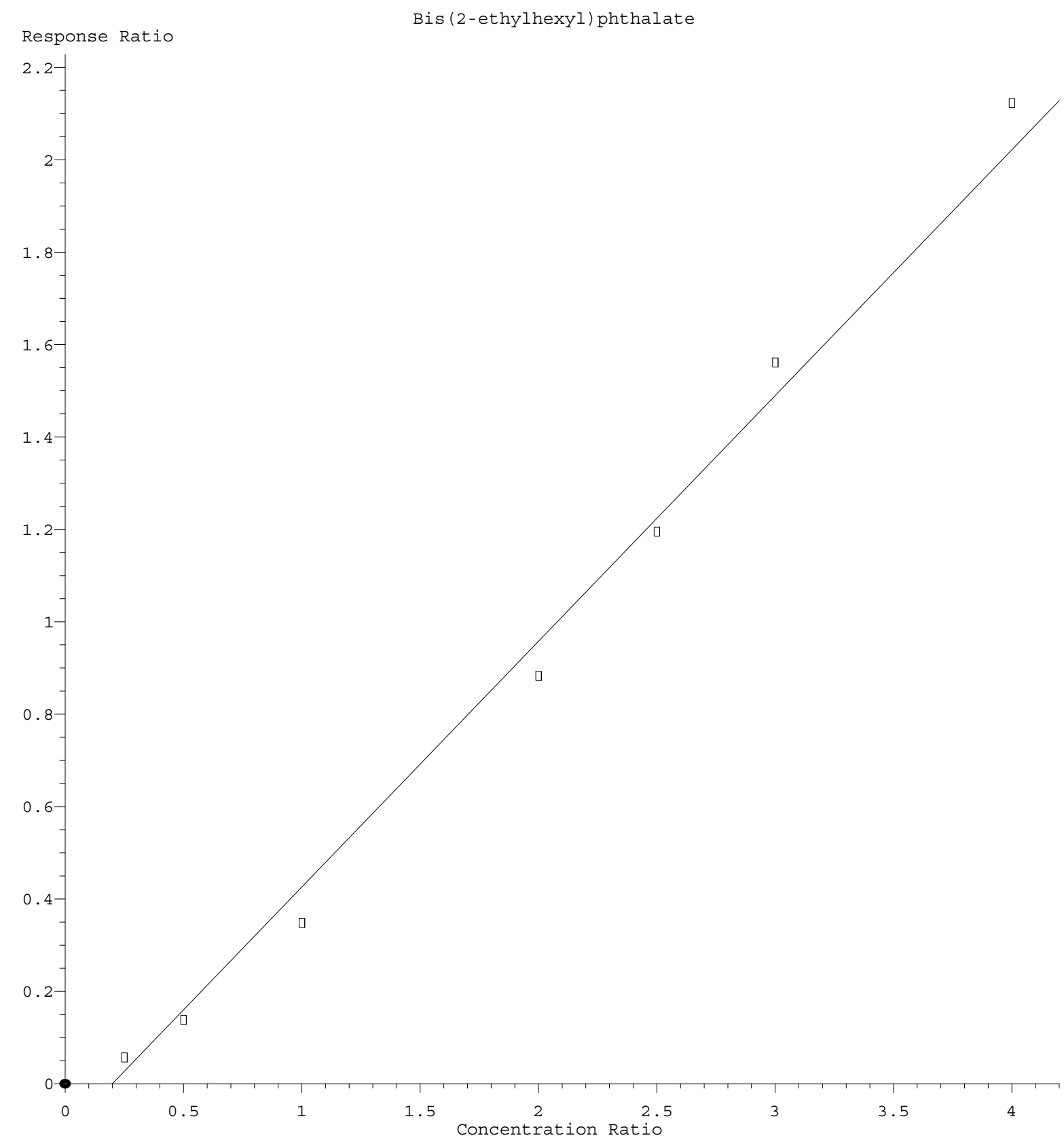
Response = 9.534e-002 * Amt - 3.461e-002
Coef of Det (r^2) = 0.992769 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



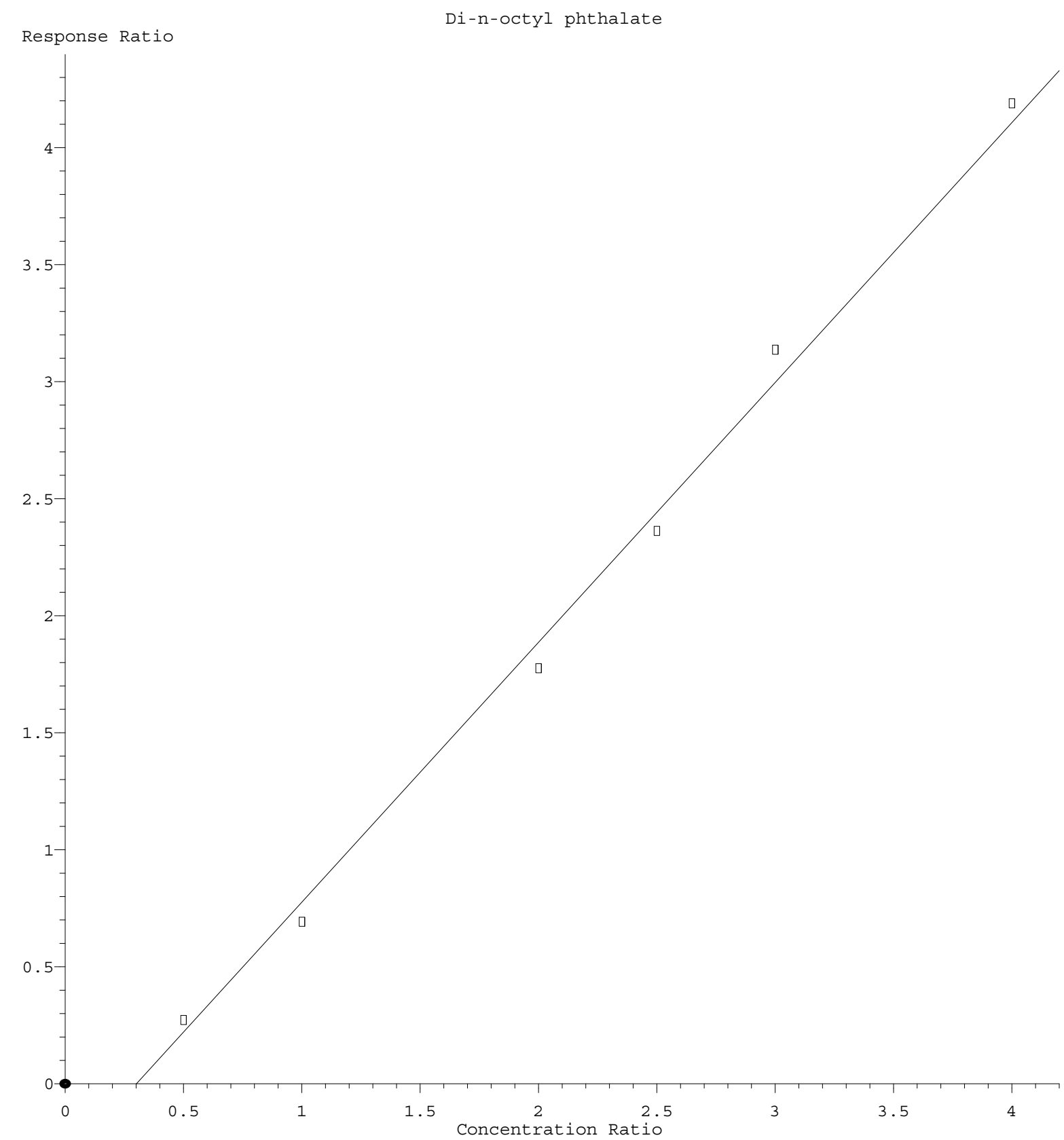
Response = 1.303e-001 * Amt - 3.859e-002
Coef of Det (r^2) = 0.999061 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 3.564e-001 * Amt - 5.972e-002
Coef of Det (r^2) = 0.994780 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 5.319e-001 * Amt - 1.061e-001
Coef of Det (r^2) = 0.991563 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025



Response = 1.110e+000 * Amt - 3.345e-001
Coef of Det (r^2) = 0.995260 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF081225.M
Calibration Table Last Updated: Tue Aug 12 13:25:39 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

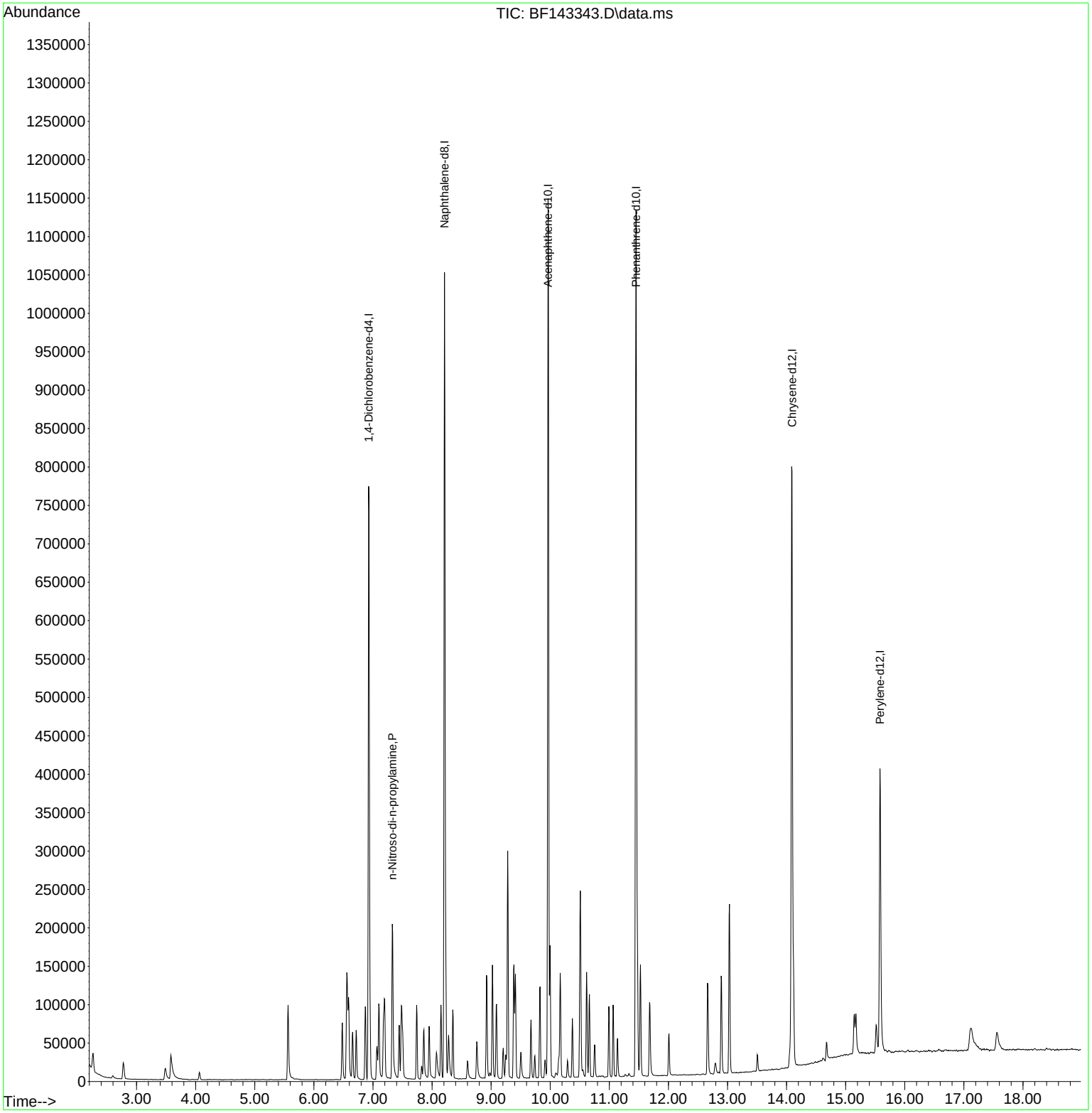
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162273	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	638032	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	346209	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	555179	20.000	ng	0.00
76) Chrysene-d12	14.092	240	375834	20.000	ng	0.00
86) Perylene-d12	15.580	264	241869	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...	7.328	70	19396	2.609	ng	94

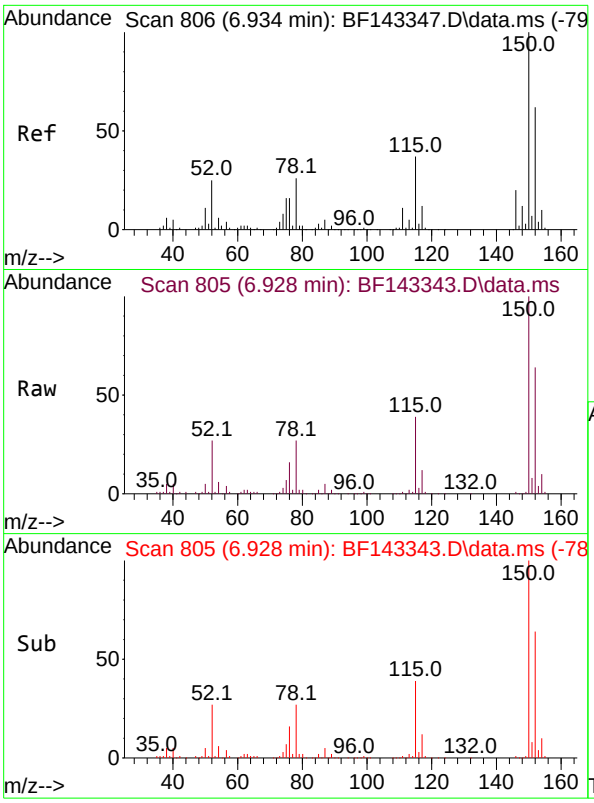
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143343.D
Acq On : 12 Aug 2025 09:03
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 12 13:15:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



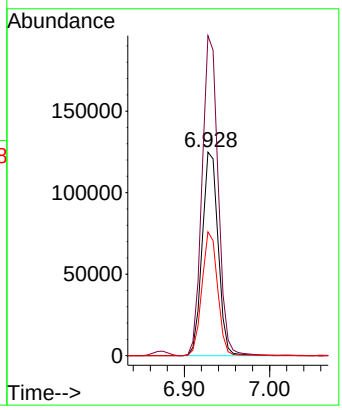


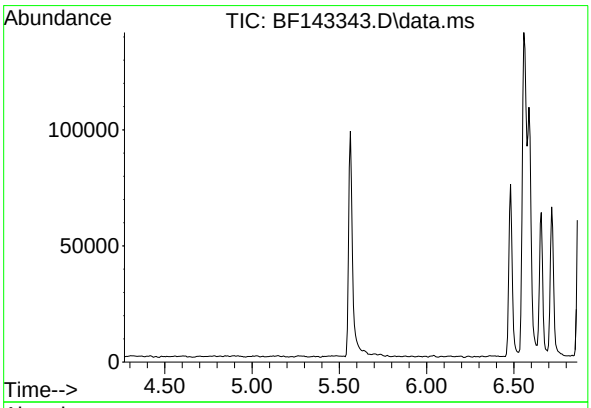
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 162273

Ion	Ratio	Lower	Upper
152	100		
150	157.2	129.8	194.8
115	60.9	47.8	71.8



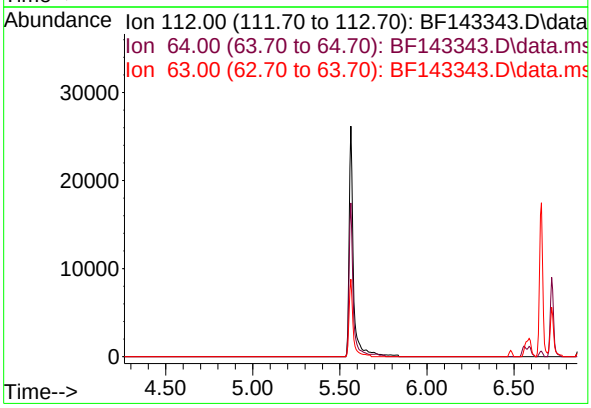


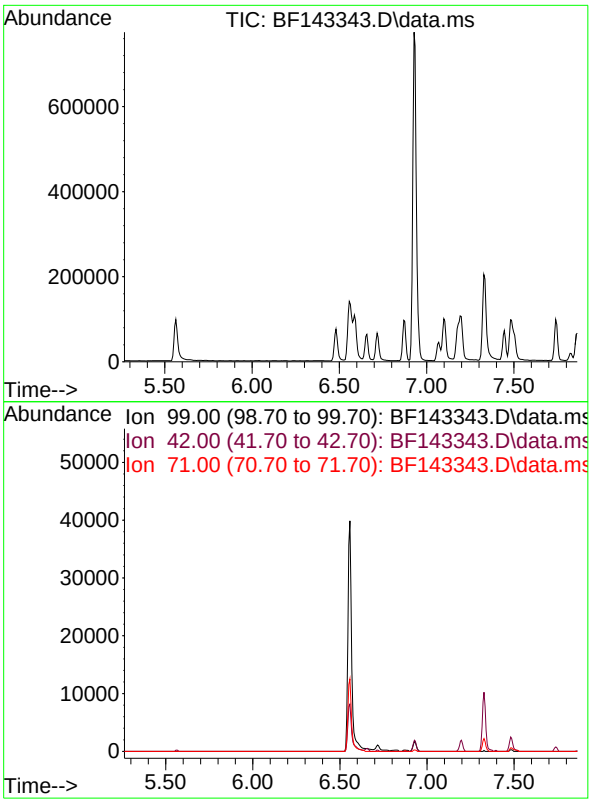
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.56 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	65.1
63	33.2





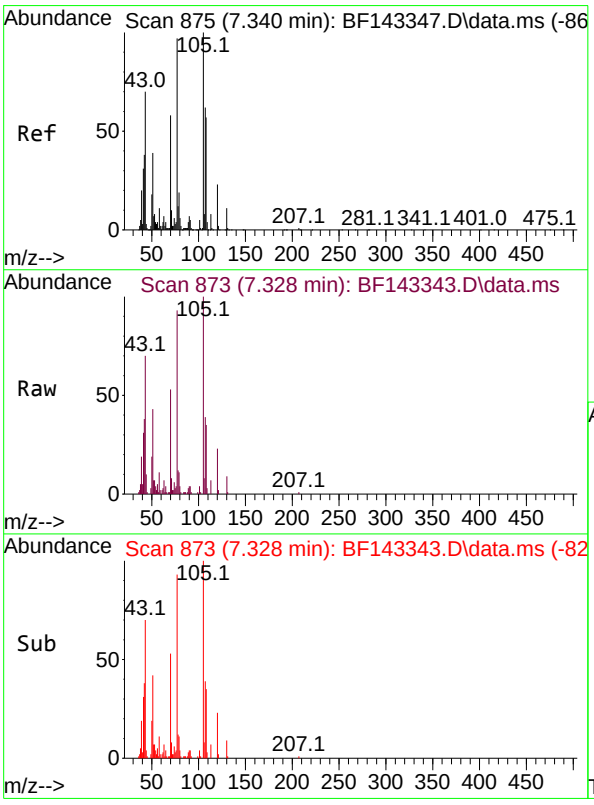
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.56 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

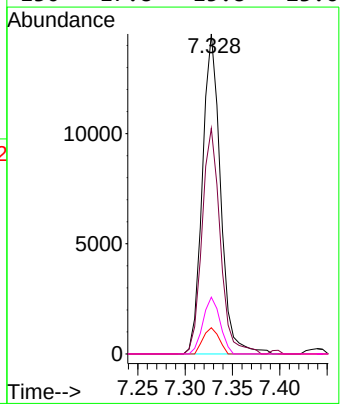
Sig	Exp Ratio
99	100
42	20.8
71	32.7

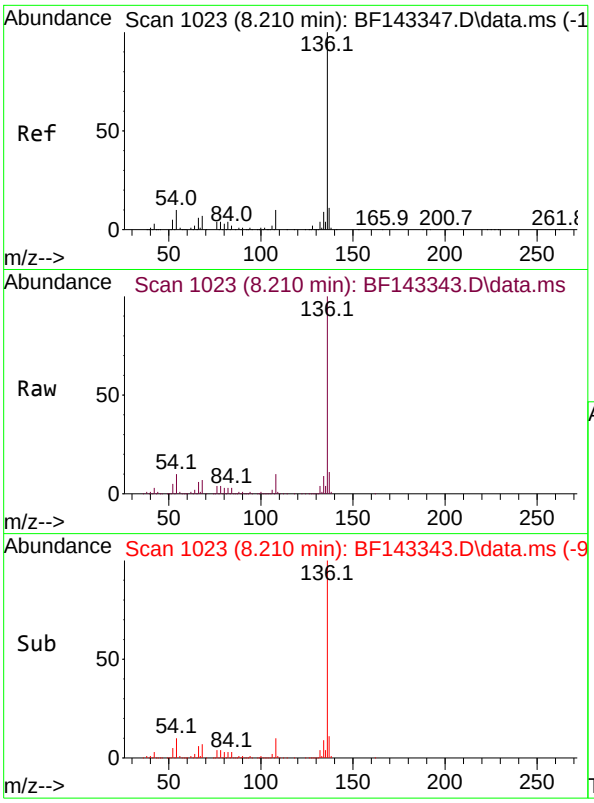


#19
n-Nitroso-di-n-propylamine
Concen: 2.609 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 70 Resp: 19396

Ion	Ratio	Lower	Upper
70	100		
42	70.5	51.6	77.4
101	8.2	7.5	11.3
130	17.8	15.8	23.6



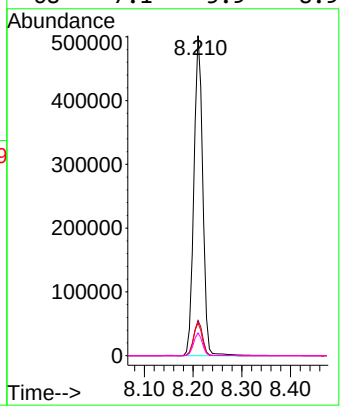


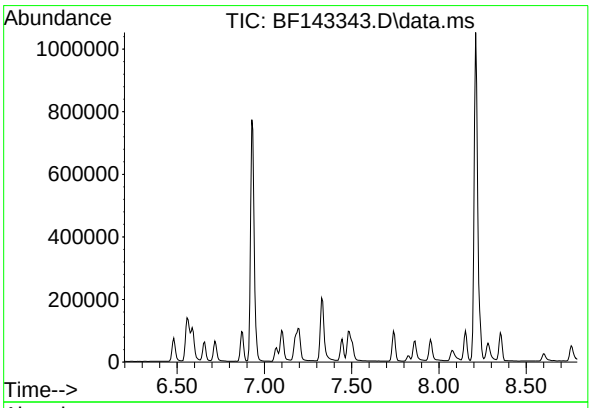
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 638032

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.4	12.6
68	7.1	5.9	8.9



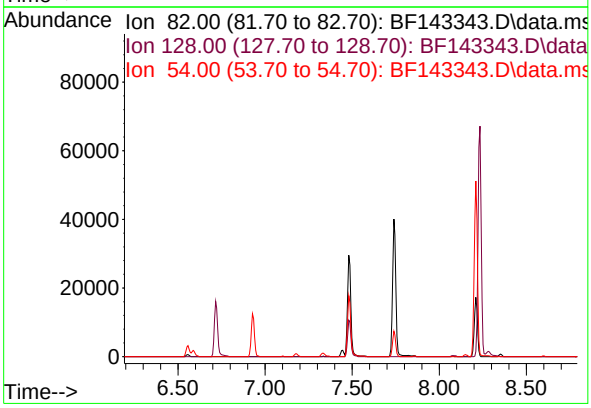


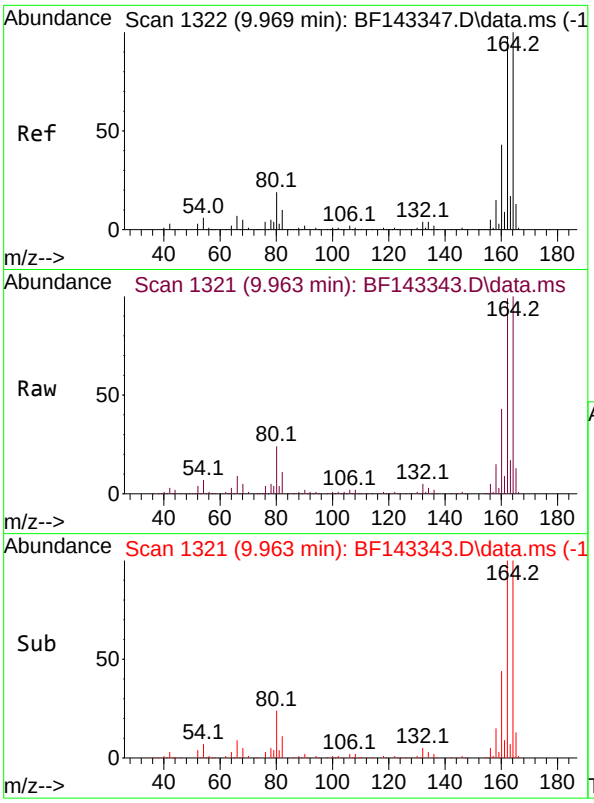
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.49 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.9
54	58.4



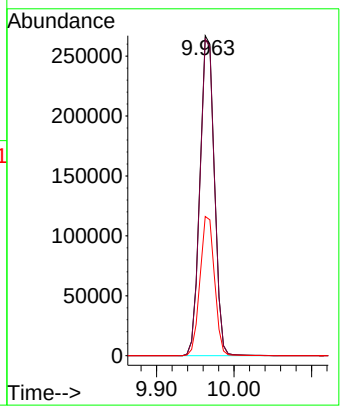


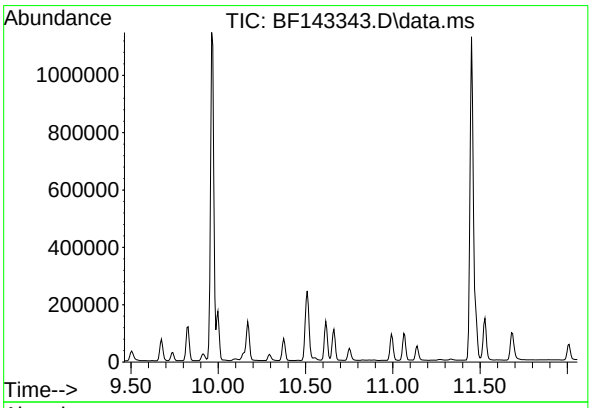
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 346209

Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.6	118.0
160	43.5	34.4	51.6



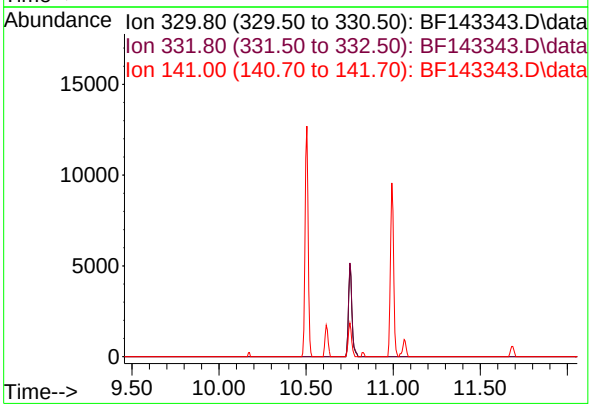


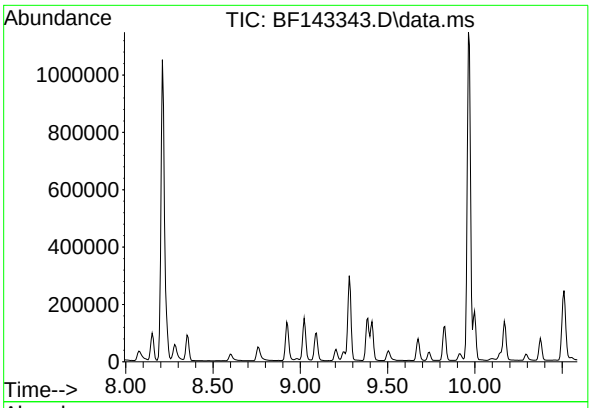
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.76 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.6
141	31.7





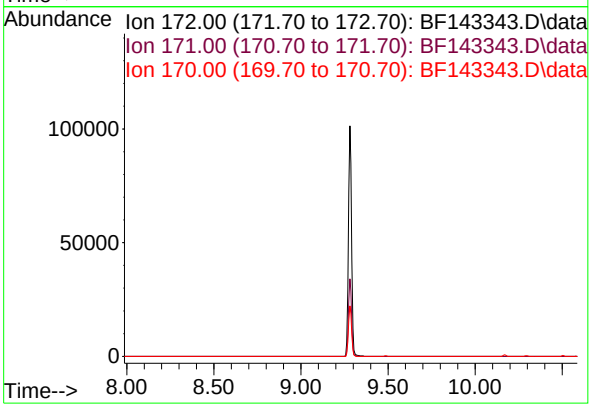
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.29 min

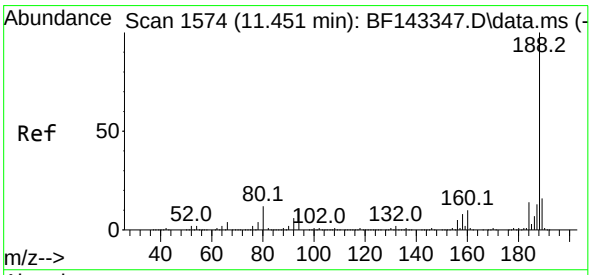
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

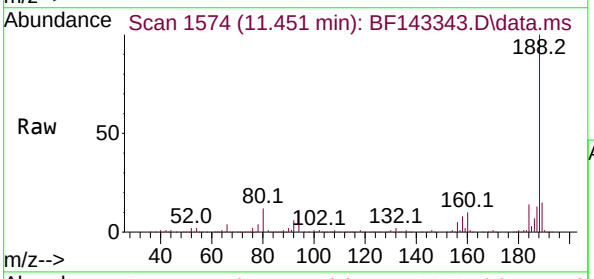
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

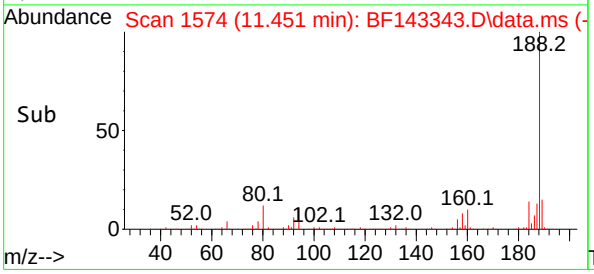
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.5
170	23.9





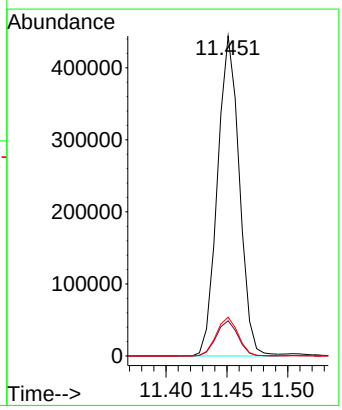


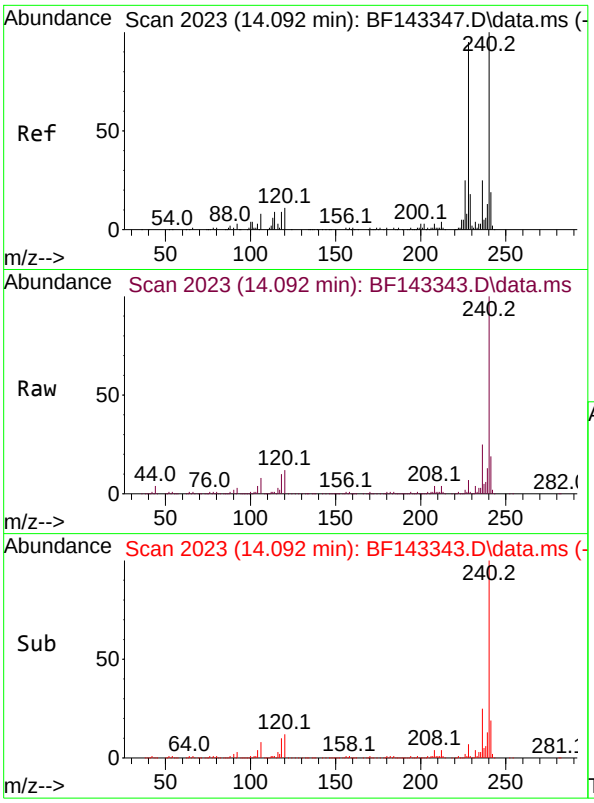


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion:188 Resp: 555179

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.1	9.7	14.5



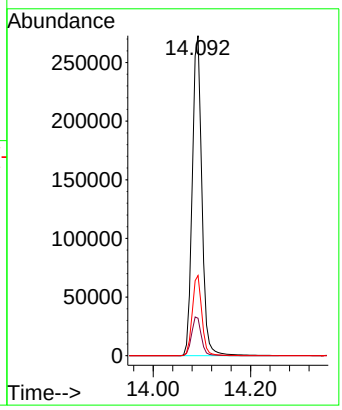


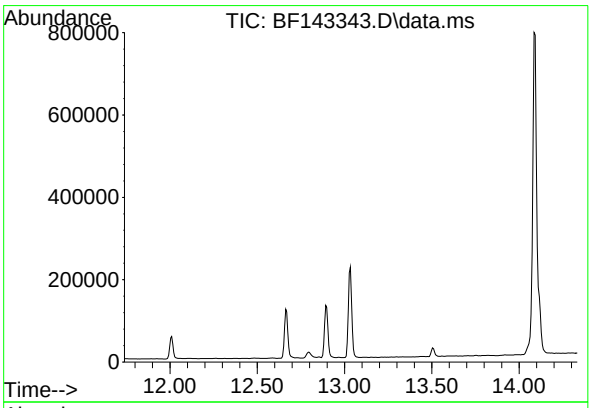
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 375834

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.1	19.9	29.9



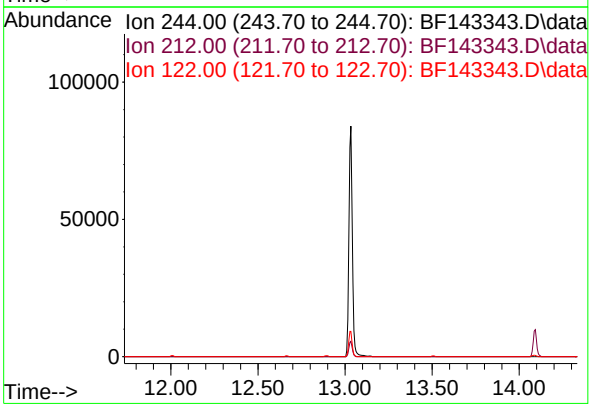


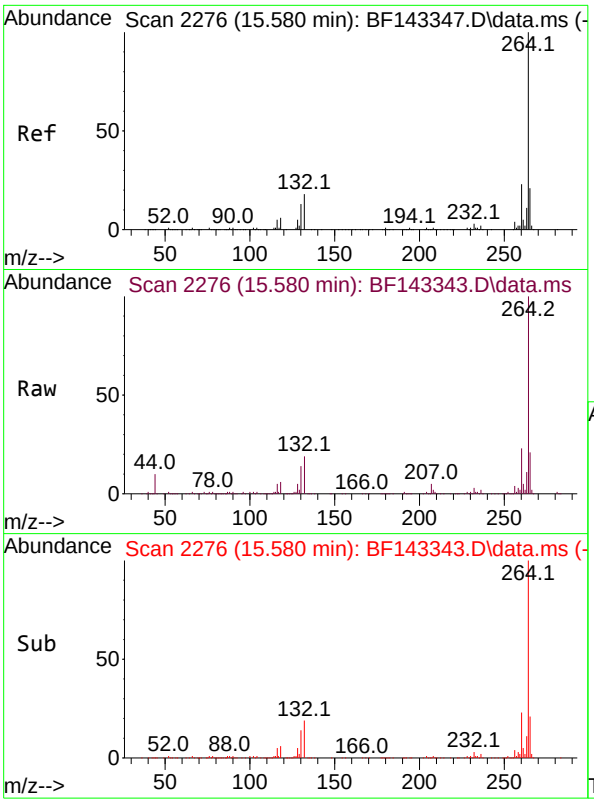
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.03 min

Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.4
122	11.1



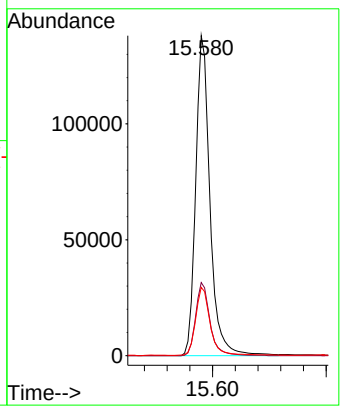


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143343.D
Acq: 12 Aug 2025 09:03

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 241869

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.3	17.2	25.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	162290	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	628268	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	344999	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	557349	20.000	ng		0.00
76) Chrysene-d12	14.086	240	344394	20.000	ng		0.00
86) Perylene-d12	15.580	264	252587	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	93734	9.988	ng		0.00
7) Phenol-d6	6.551	99	123886	10.294	ng		-0.01
23) Nitrobenzene-d5	7.481	82	87105	8.634	ng		-0.01
42) 2,4,6-Tribromophenol	10.751	330	18107	7.182	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	249109	12.244	ng		0.00
79) Terphenyl-d14	13.027	244	230289	11.938	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.775	88	24600	5.066	ng		96
3) Pyridine	3.563	79	59883	4.627	ng		98
6) Aniline	6.587	93	87728	5.171	ng		99
8) 2-Chlorophenol	6.716	128	47366	4.723	ng		97
10) Phenol	6.569	94	73959	5.187	ng		95
11) bis(2-Chloroethyl)ether	6.657	93	55039	5.238	ng		98
12) 1,3-Dichlorobenzene	6.869	146	62932	5.441	ng		98
13) 1,4-Dichlorobenzene	6.945	146	63946	5.508	ng		98
14) 1,2-Dichlorobenzene	7.098	146	60298	5.472	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	102291	5.453	ng		97
17) 2-Methylphenol	7.175	107	41246	4.873	ng		97
18) Hexachloroethane	7.445	117	17263	4.743	ng		96
19) n-Nitroso-di-n-propyla...	7.328	70	40228	5.410	ng		98
22) Acetophenone	7.328	105	78486	5.670	ng	#	97
24) Nitrobenzene	7.498	77	50634	4.621	ng		96
25) Isophorone	7.739	82	108673	5.276	ng		97
26) 2-Nitrophenol	7.822	139	10813	5.918	ng		95
27) 2,4-Dimethylphenol	7.857	122	40753	4.743	ng		99
28) bis(2-Chloroethoxy)met...	7.951	93	66594	5.296	ng		98
29) 2,4-Dichlorophenol	8.069	162	38135	4.544	ng		97
30) 1,2,4-Trichlorobenzene	8.151	180	46949	5.303	ng		98
31) Naphthalene	8.233	128	170051	5.625	ng		99
33) 4-Chloroaniline	8.281	127	56886	5.217	ng		99
34) Hexachlorobutadiene	8.351	225	29122	5.288	ng		99
36) 4-Chloro-3-methylphenol	8.757	107	42384	4.817	ng		99
37) 2-Methylnaphthalene	8.922	142	113134	5.692	ng		99
38) 1-Methylnaphthalene	9.022	142	108359	5.661	ng		99
40) 1,2,4,5-Tetrachloroben...	9.092	216	50724	5.373	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	20838	3.890	ng		98
44) 2,4,5-Trichlorophenol	9.245	196	26517	4.384	ng		99
46) 1,1'-Biphenyl	9.380	154	139115	5.703	ng		100
47) 2-Chloronaphthalene	9.410	162	104874	5.459	ng		97
48) 2-Nitroaniline	9.498	65	16200	5.521	ng		89
49) Acenaphthylene	9.822	152	151682	5.467	ng		99
50) Dimethylphthalate	9.675	163	100034	4.962	ng		100
51) 2,6-Dinitrotoluene	9.739	165	10751	5.607	ng		89

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

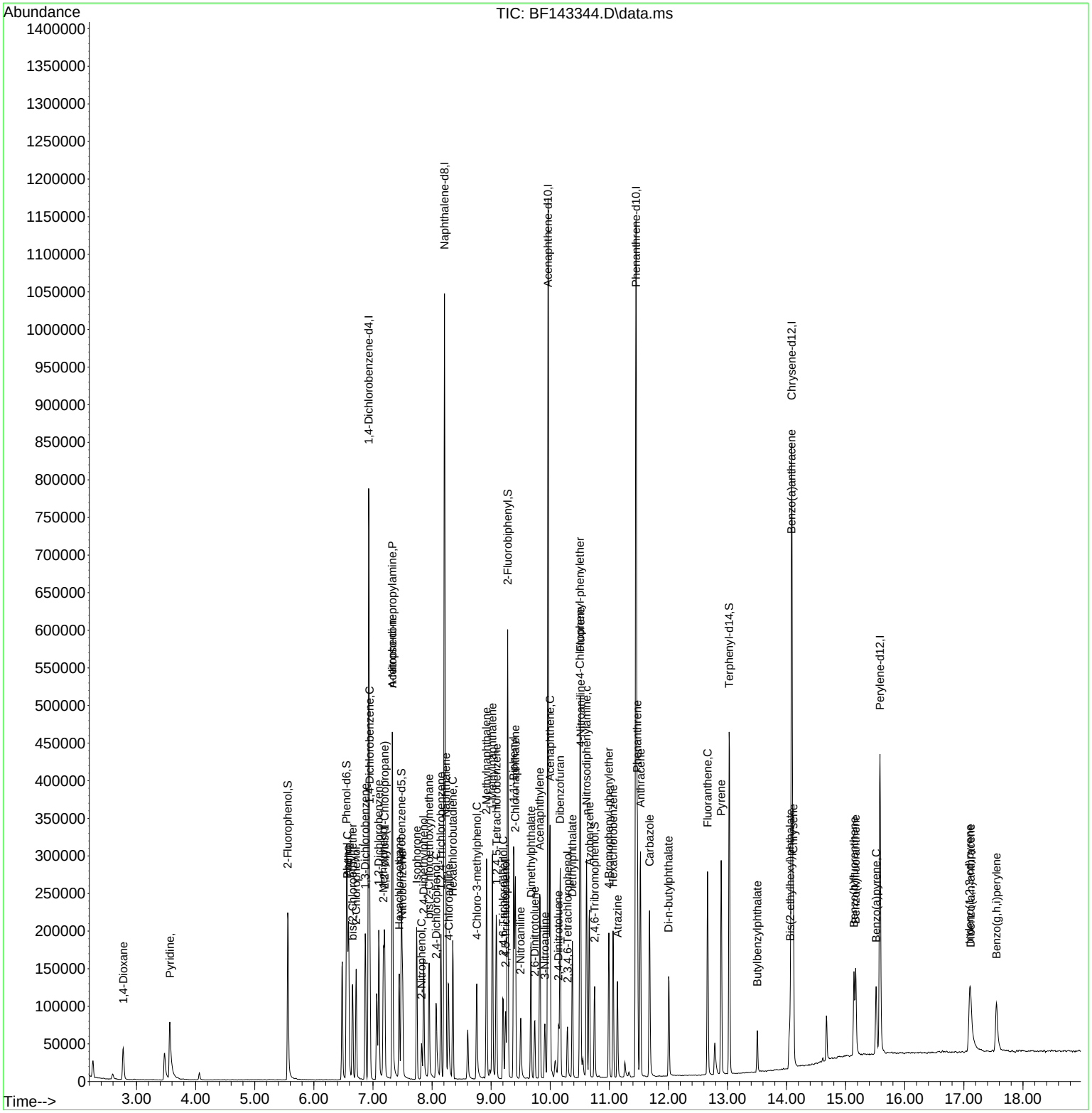
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.998	154	104223	5.651	ng		99
53) 3-Nitroaniline	9.910	138	13704	3.319	ng	#	85
55) Dibenzofuran	10.169	168	151524	5.708	ng		99
57) 2,4-Dinitrotoluene	10.139	165	13285	5.473	ng	#	85
58) Fluorene	10.510	166	119124	5.875	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	14793	3.628	ng	#	98
60) Diethylphthalate	10.375	149	87234	4.831	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	55620	5.677	ng		99
62) 4-Nitroaniline	10.516	138	15026	3.762	ng		95
63) Azobenzene	10.663	77	112299	5.445	ng		99
66) n-Nitrosodiphenylamine	10.616	169	96579	5.263	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	32274	5.063	ng		98
68) Hexachlorobenzene	11.063	284	35913	5.227	ng		96
69) Atrazine	11.139	200	20457	4.274	ng		100
71) Phenanthrene	11.474	178	169159	5.563	ng		99
72) Anthracene	11.527	178	170698	5.535	ng		98
73) Carbazole	11.680	167	146129	5.564	ng		99
74) Di-n-butylphthalate	12.004	149	93961	4.228	ng		99
75) Fluoranthene	12.663	202	156101	5.860	ng		99
78) Pyrene	12.892	202	165633	5.733	ng		98
80) Butylbenzylphthalate	13.504	149	15374	5.856	ng		99
81) Benzo(a)anthracene	14.080	228	114909	5.250	ng		98
83) Chrysene	14.115	228	109349	5.357	ng		98
84) Bis(2-ethylhexyl)phtha...	14.063	149	19633	6.133	ng		97
87) Indeno(1,2,3-cd)pyrene	17.098	276	88484	4.890	ng		98
88) Benzo(b)fluoranthene	15.139	252	74031	5.359	ng		98
89) Benzo(k)fluoranthene	15.168	252	67207	5.006	ng		99
90) Benzo(a)pyrene	15.515	252	66211	5.089	ng		98
91) Dibenzo(a,h)anthracene	17.115	278	71319	4.933	ng		98
92) Benzo(g,h,i)perylene	17.551	276	69991	4.806	ng	#	93

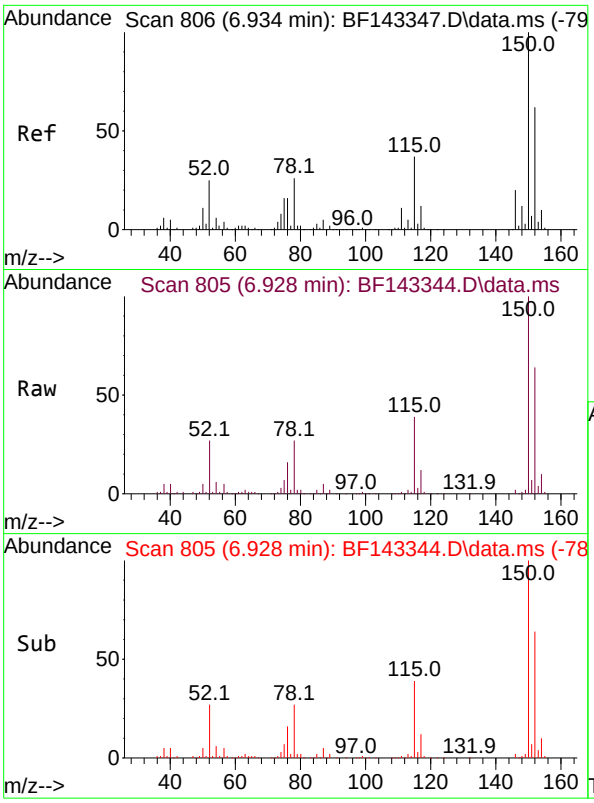
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143344.D
Acq On : 12 Aug 2025 09:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Aug 12 13:16:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



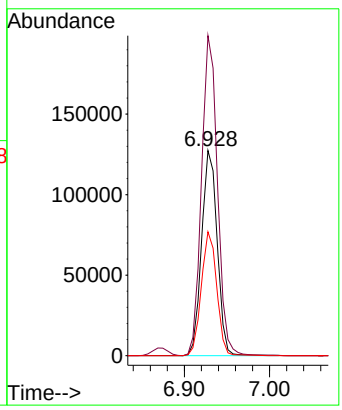


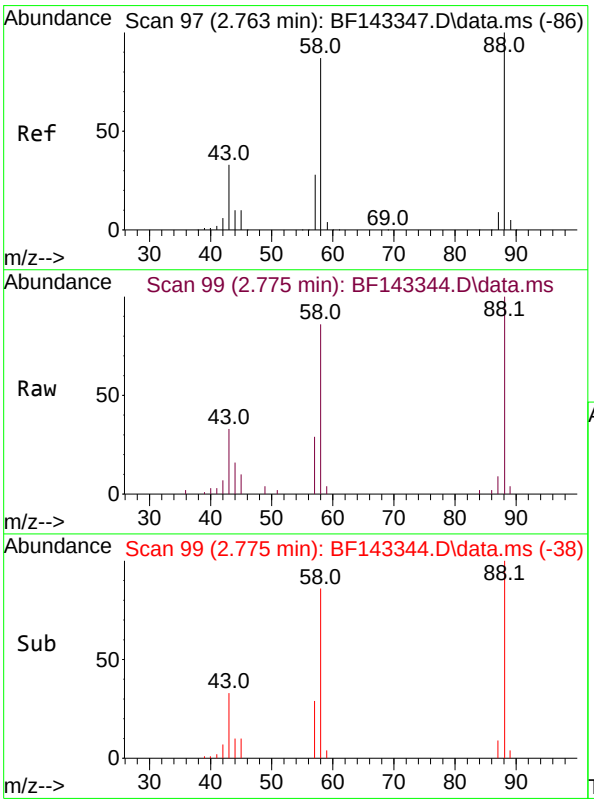
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 162290

Ion	Ratio	Lower	Upper
152	100		
150	156.0	129.8	194.8
115	60.3	47.8	71.8

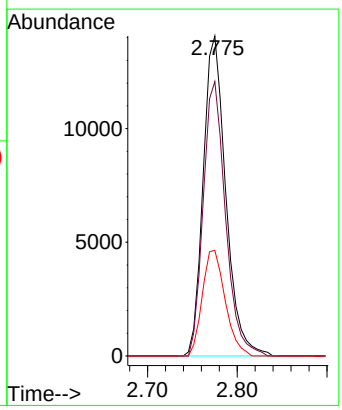


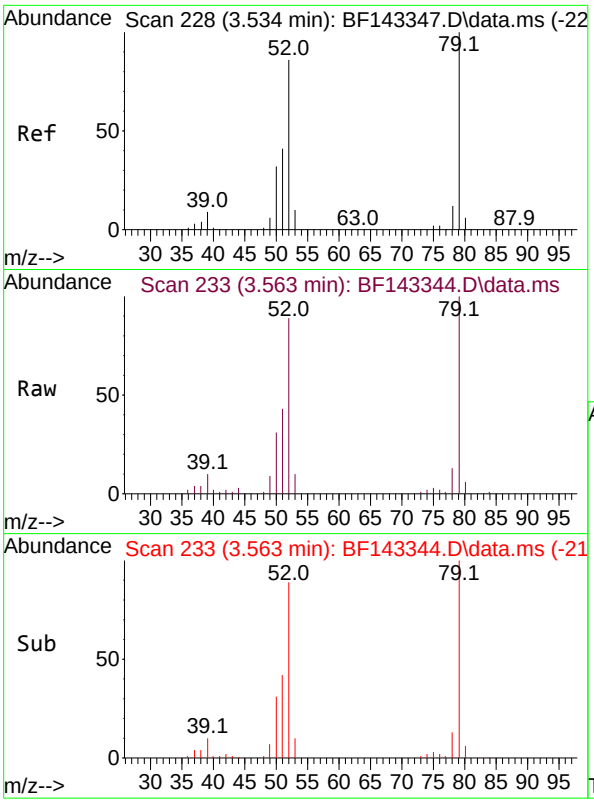


#2
1,4-Dioxane
Concen: 5.066 ng
RT: 2.775 min Scan# 99
Delta R.T. 0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 88 Resp: 24600

Ion	Ratio	Lower	Upper
88	100		
58	84.4	71.0	106.6
43	33.4	27.0	40.6



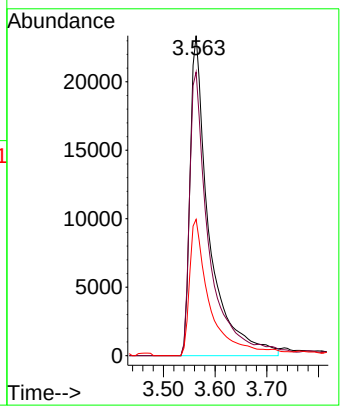


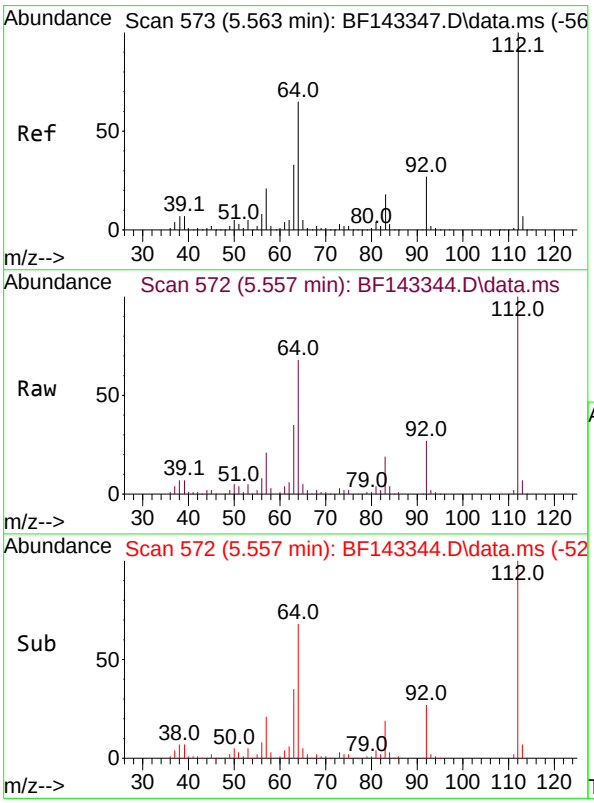
#3
Pyridine
Concen: 4.627 ng
RT: 3.563 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 59883

Ion	Ratio	Lower	Upper
79	100		
52	88.6	68.7	103.1
51	42.6	33.4	50.0

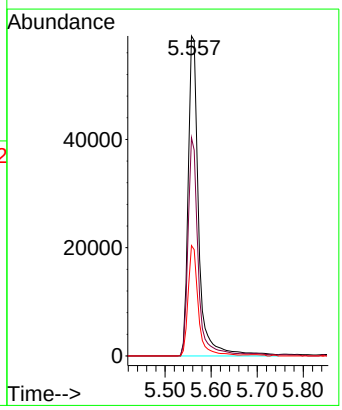


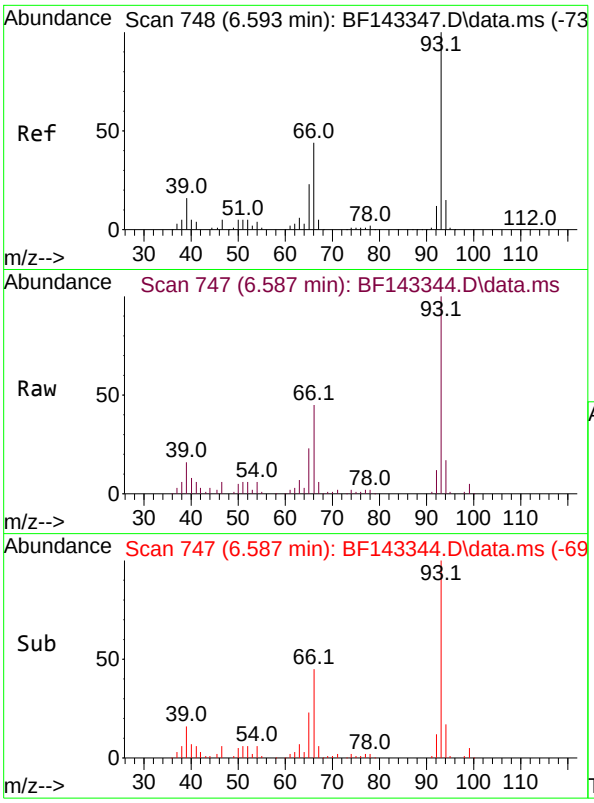


#5
2-Fluorophenol
Concen: 9.988 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:112 Resp: 93734

Ion	Ratio	Lower	Upper
112	100		
64	68.2	52.1	78.1
63	34.5	26.6	39.8



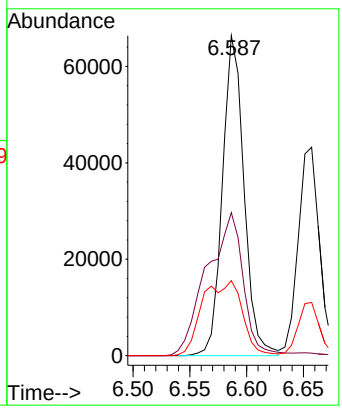


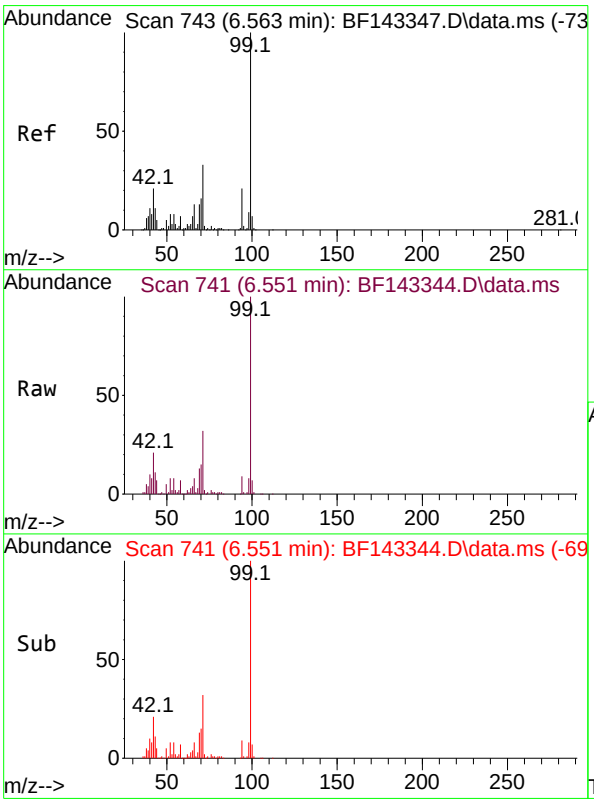
#6
Aniline
Concen: 5.171 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 87728

Ion	Ratio	Lower	Upper
93	100		
66	44.7	35.3	52.9
65	23.5	18.2	27.4

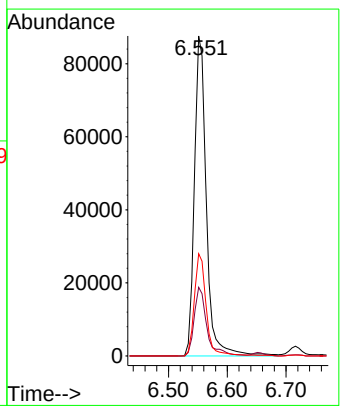


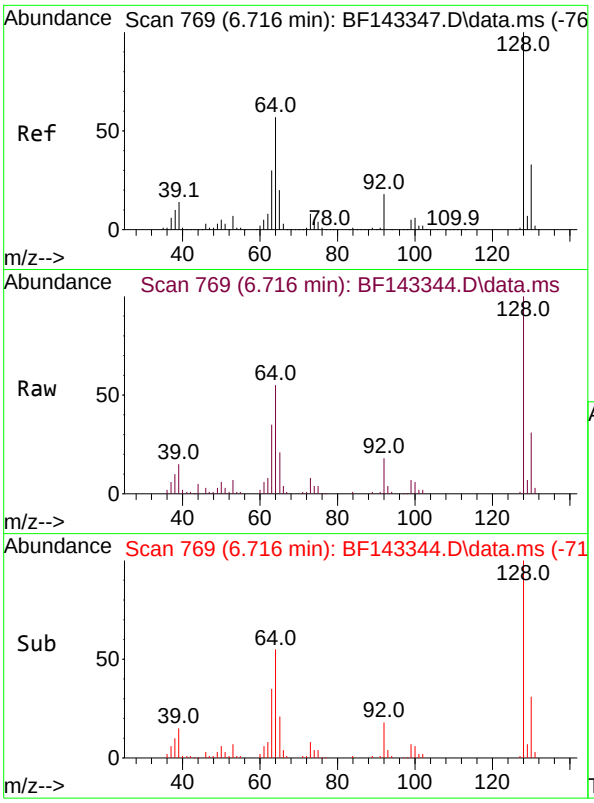


#7
Phenol-d6
Concen: 10.294 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 99 Resp: 123886

Ion	Ratio	Lower	Upper
99	100		
42	21.5	16.6	25.0
71	31.9	26.2	39.2



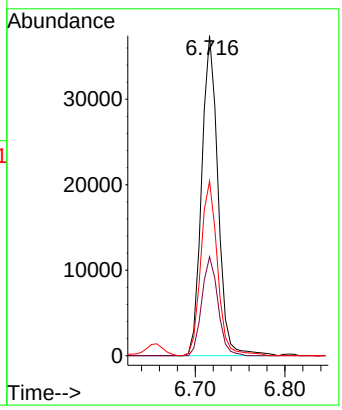


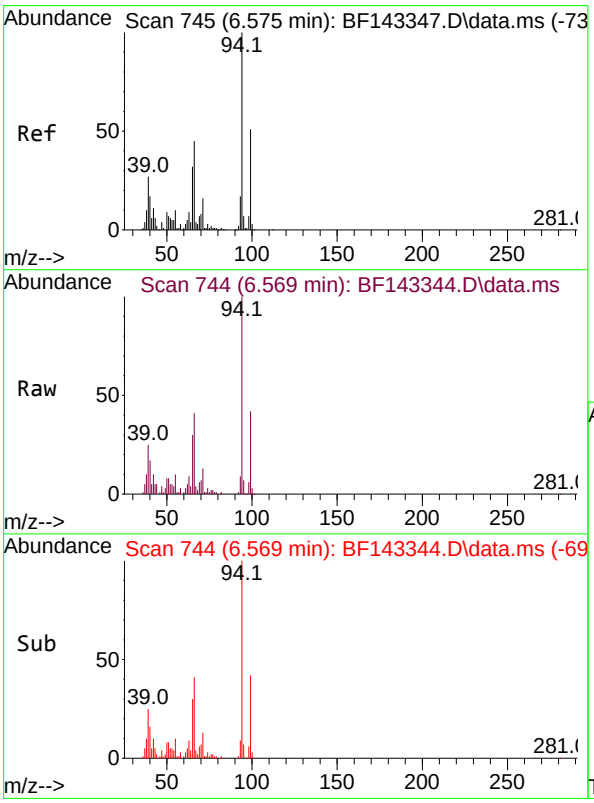
#8
2-Chlorophenol
Concen: 4.723 ng
RT: 6.716 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 47366

Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.6	52.6
64	54.6	36.7	76.7

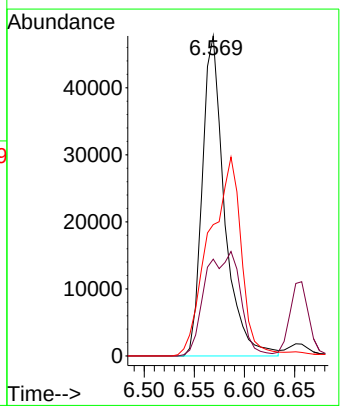


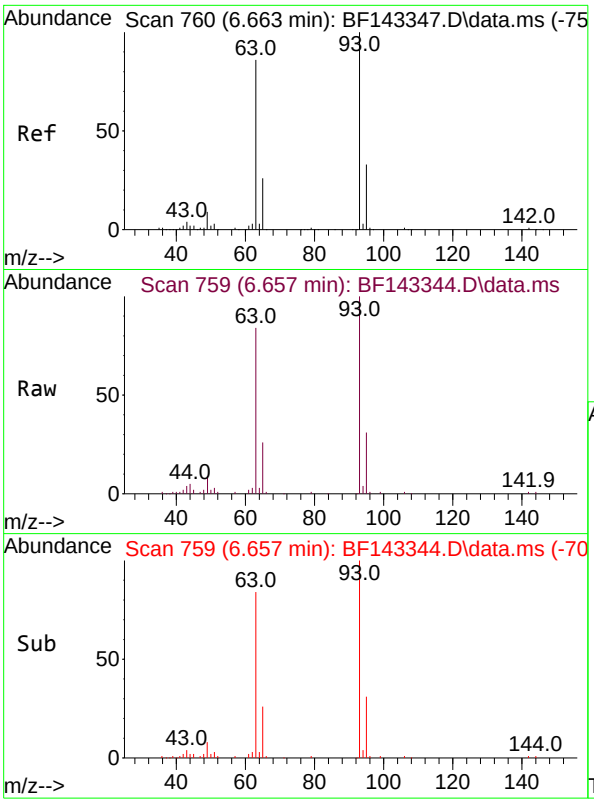


#10
Phenol
Concen: 5.187 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 94 Resp: 73959

Ion	Ratio	Lower	Upper
94	100		
65	30.3	12.0	52.0
66	41.0	25.6	65.6



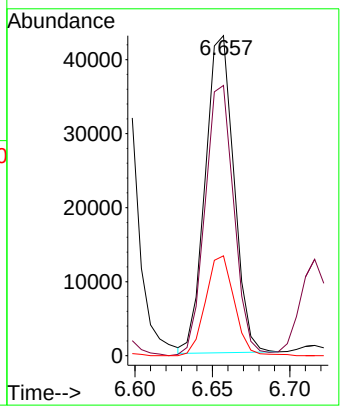


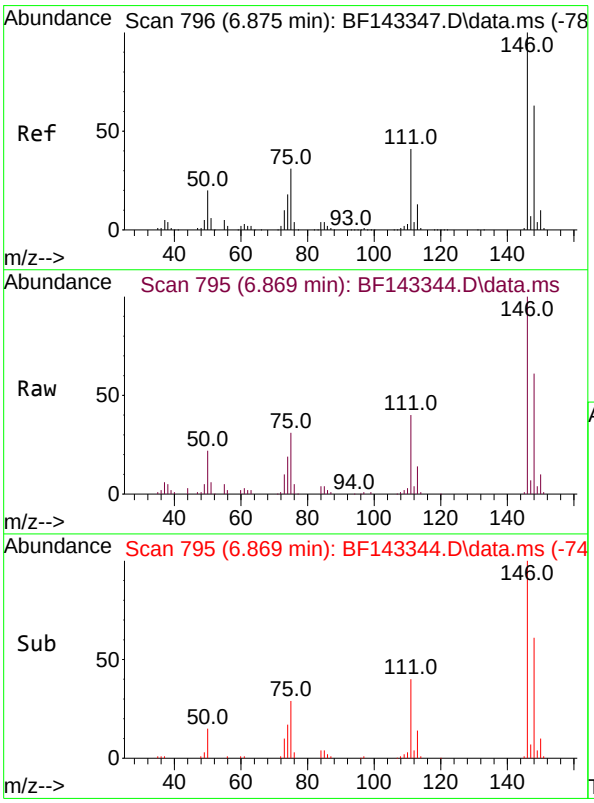
#11
bis(2-Chloroethyl)ether
Concen: 5.238 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 55039

Ion	Ratio	Lower	Upper
93	100		
63	84.4	65.7	105.7
95	31.2	13.0	53.0

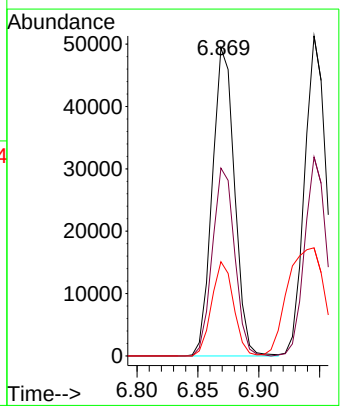


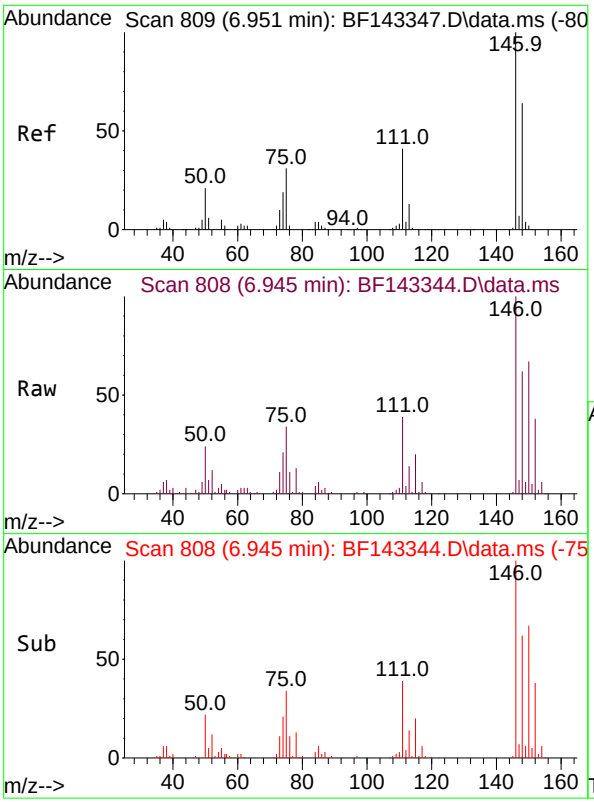


#12
1,3-Dichlorobenzene
Concen: 5.441 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:146 Resp: 62932

Ion	Ratio	Lower	Upper
146	100		
148	61.0	50.5	75.7
75	30.6	24.9	37.3



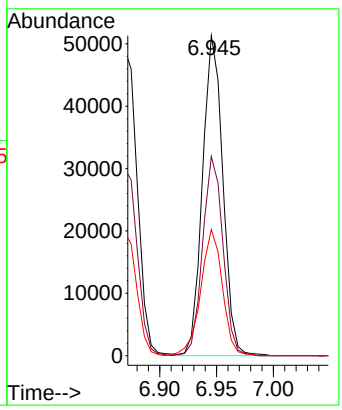


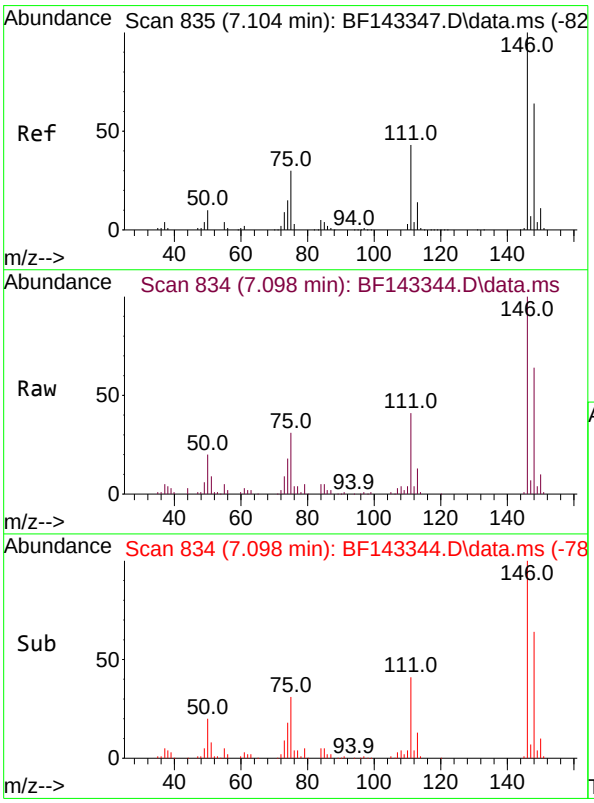
#13
1,4-Dichlorobenzene
Concen: 5.508 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 63946

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.4	77.0
111	39.5	32.6	48.8

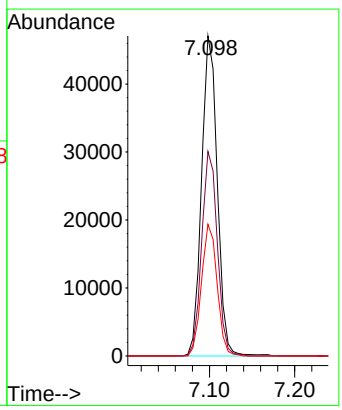


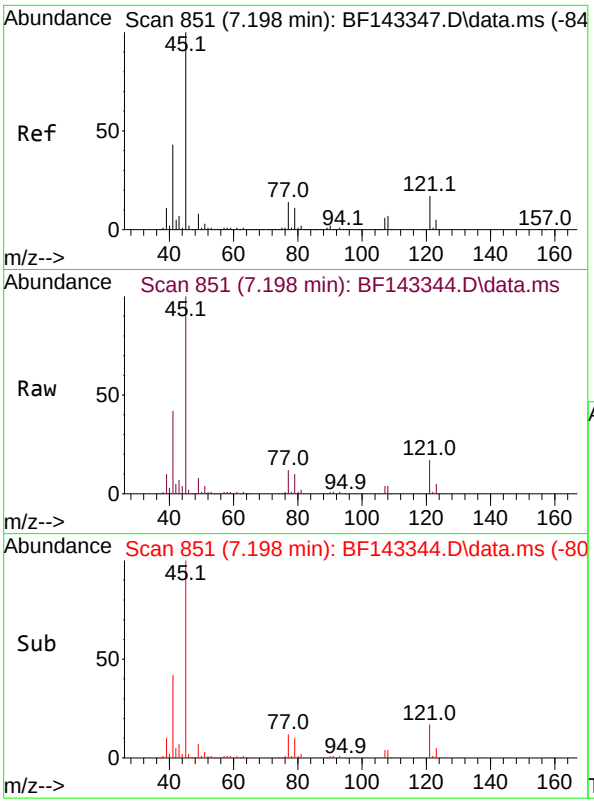


#14
1,2-Dichlorobenzene
Concen: 5.472 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:146 Resp: 60298

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	41.1	34.1	51.1



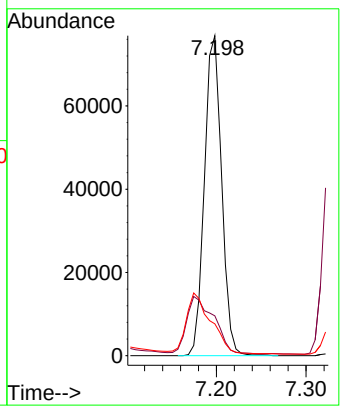


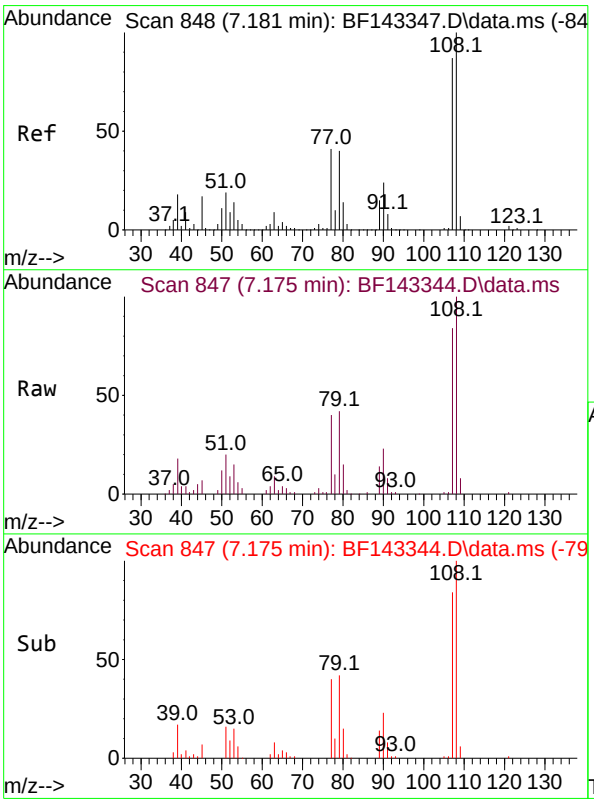
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.453 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 102291

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	34.0
79	10.0	0.0	31.1

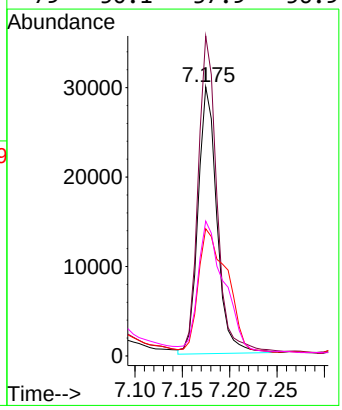


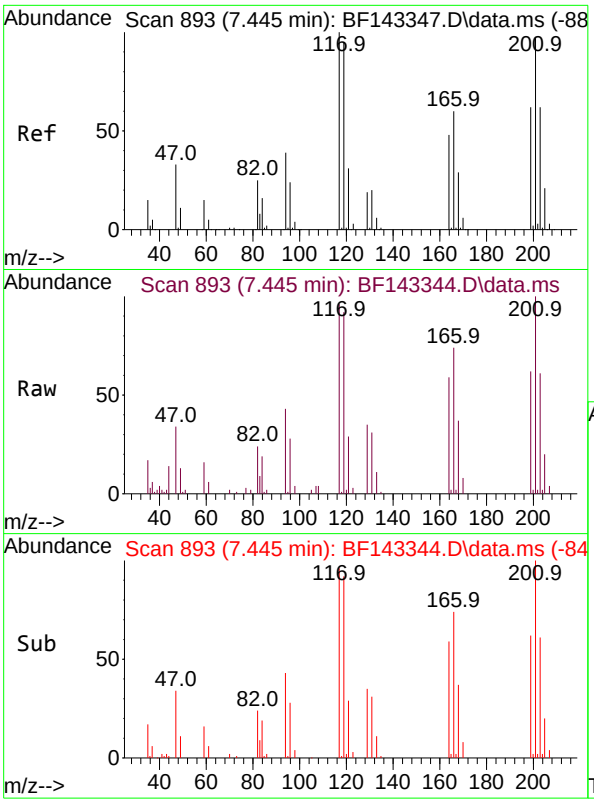


#17
2-Methylphenol
Concen: 4.873 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:107 Resp: 41246

Ion	Ratio	Lower	Upper
107	100		
108	118.9	92.0	138.0
77	47.3	38.2	57.2
79	50.1	37.9	56.9



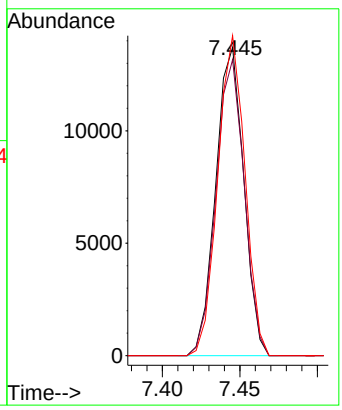


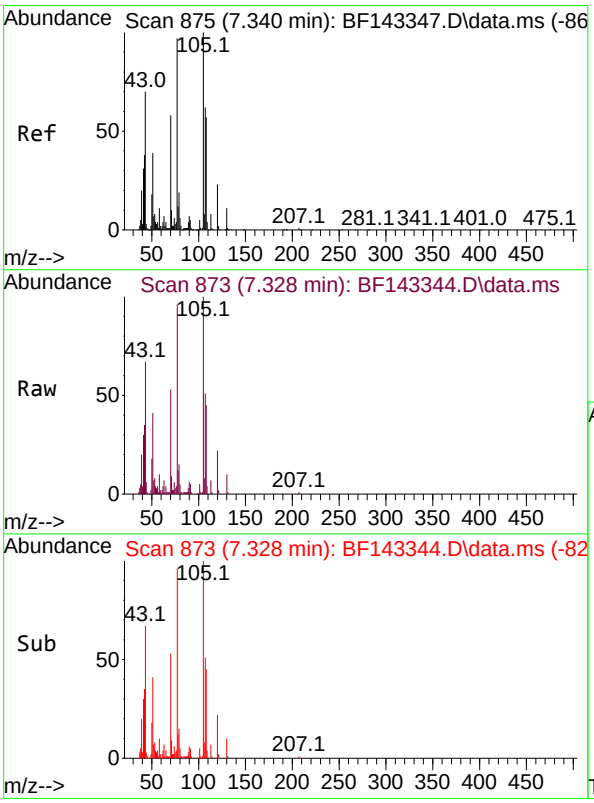
#18
Hexachloroethane
Concen: 4.743 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 17263

Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.8
201	103.8	77.2	115.8

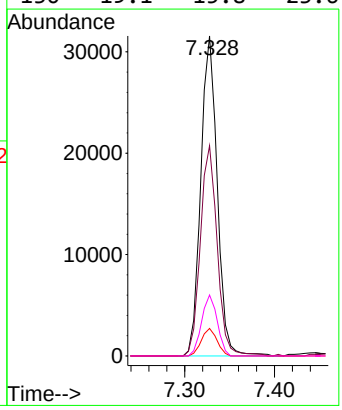


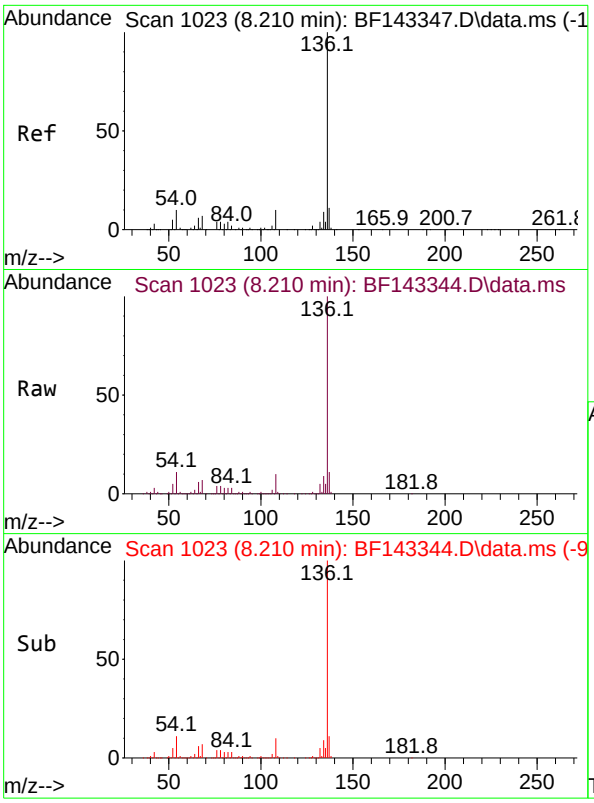


#19
n-Nitroso-di-n-propylamine
Concen: 5.410 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 70 Resp: 40228

Ion	Ratio	Lower	Upper
70	100		
42	65.7	51.6	77.4
101	8.6	7.5	11.3
130	19.1	15.8	23.6



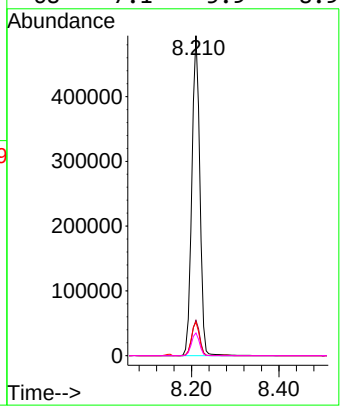


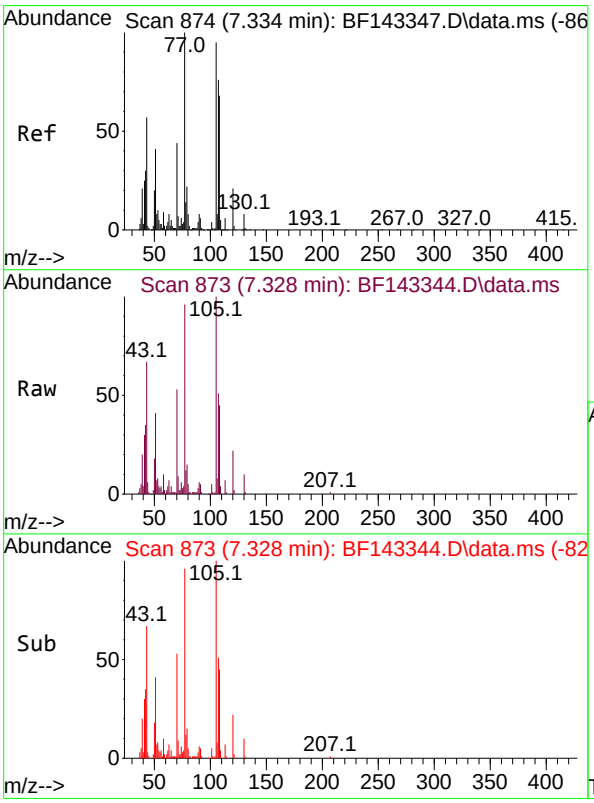
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 628268

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.5	8.4	12.6
68	7.1	5.9	8.9

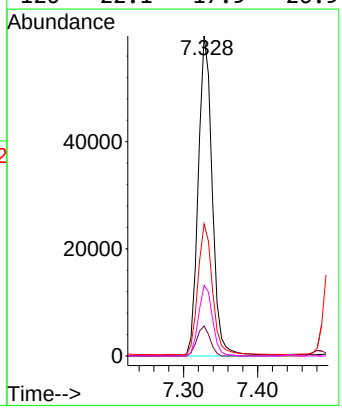


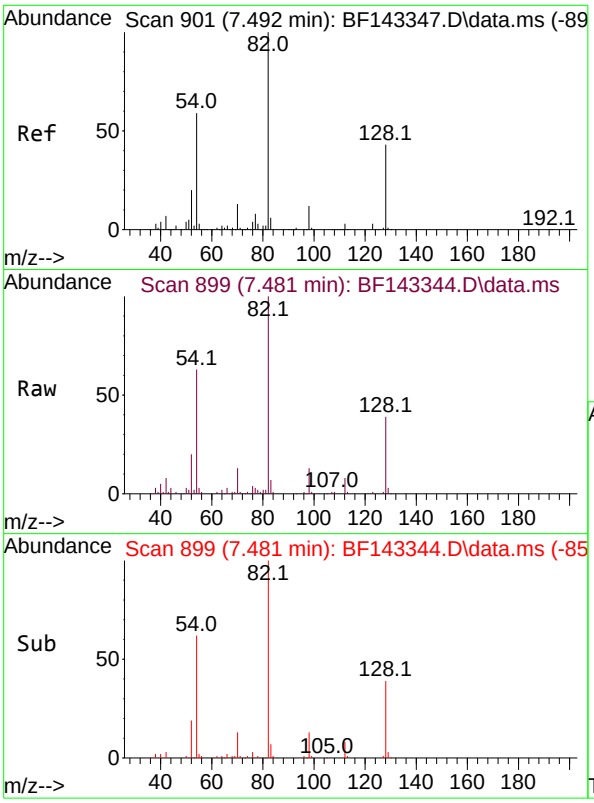


#22
Acetophenone
Concen: 5.670 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:105 Resp: 78486

Ion	Ratio	Lower	Upper
105	100		
71	9.4	6.2	9.4#
51	41.3	34.8	52.2
120	22.1	17.9	26.9



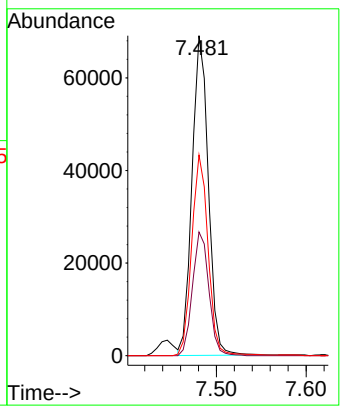


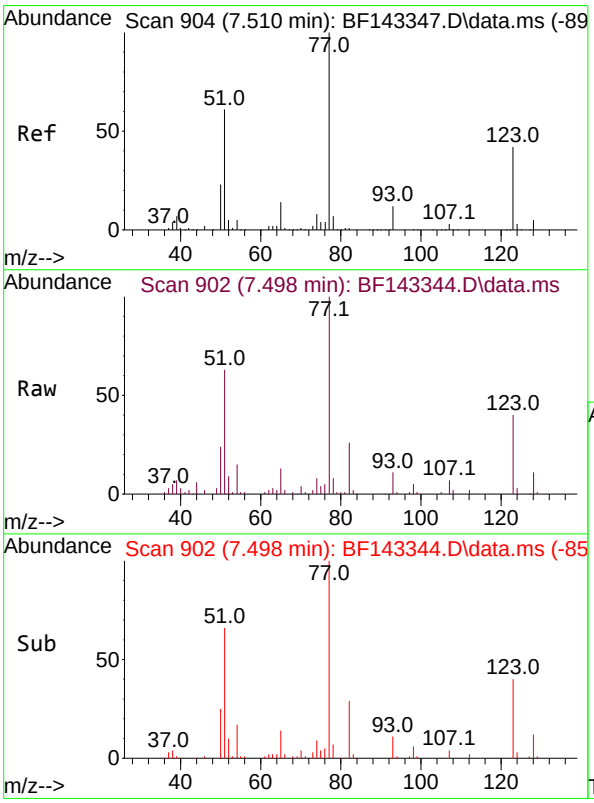
#23
Nitrobenzene-d5
Concen: 8.634 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 87105

Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.5	50.3
54	62.7	46.7	70.1

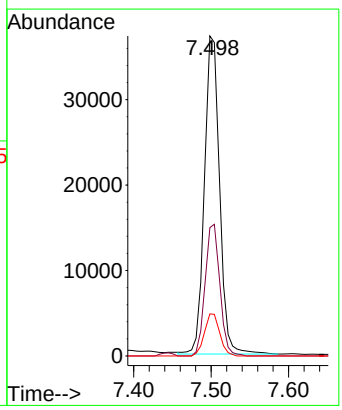


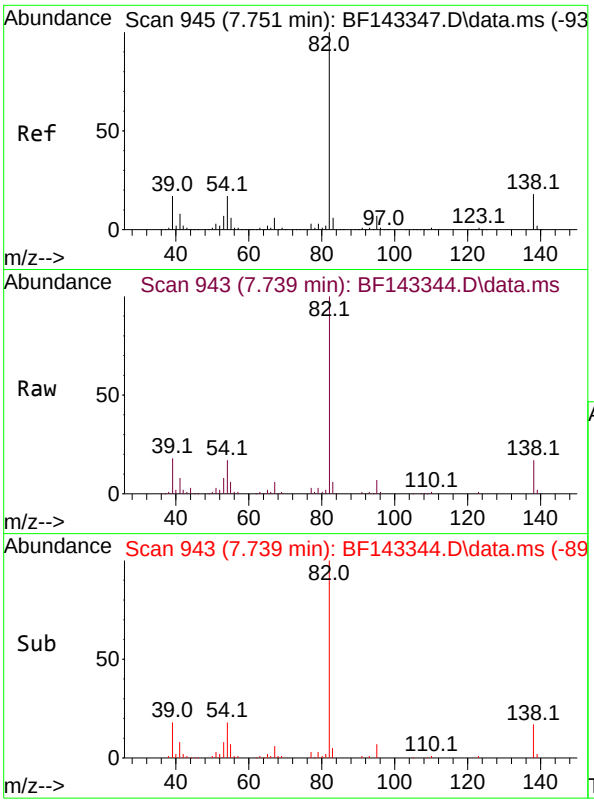


#24
Nitrobenzene
Concen: 4.621 ng
RT: 7.498 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 50634

Ion	Ratio	Lower	Upper
77	100		
123	40.1	34.8	52.2
65	13.2	11.0	16.6



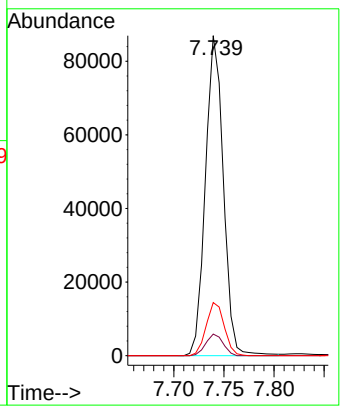


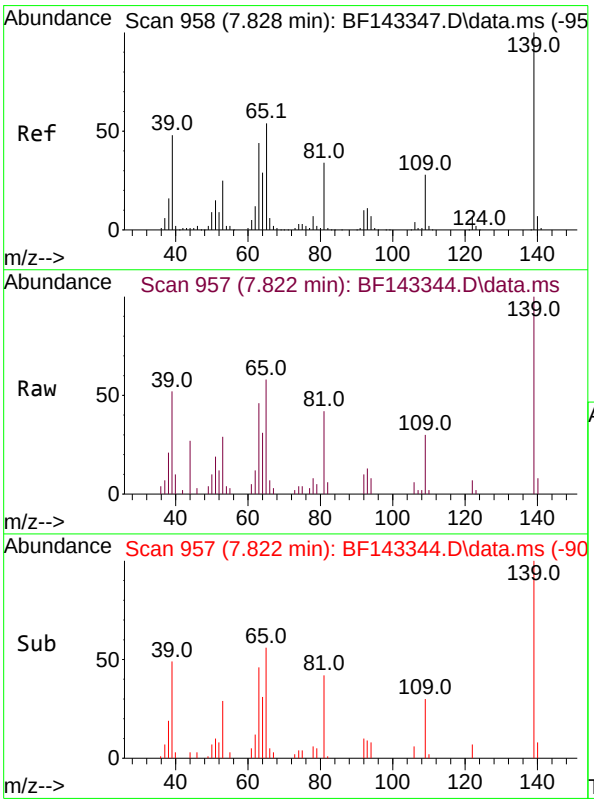
#25
Isophorone
Concen: 5.276 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 108673

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	16.6	14.6	21.8

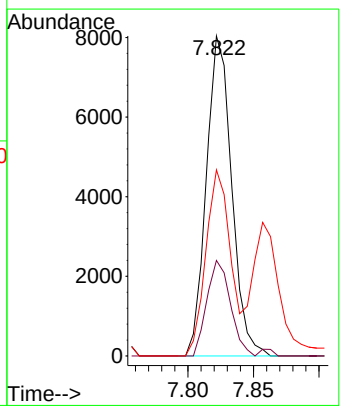


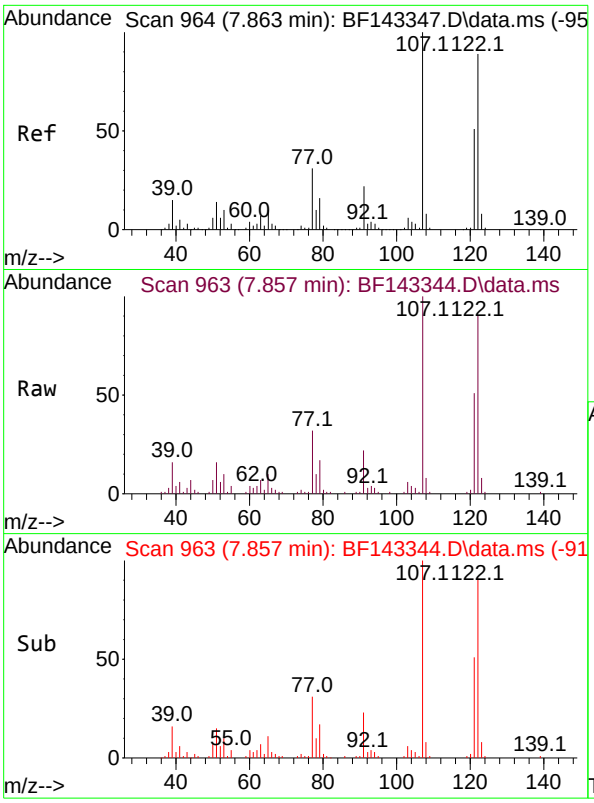


#26
2-Nitrophenol
Concen: 5.918 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:139 Resp: 10813

Ion	Ratio	Lower	Upper
139	100		
109	29.8	22.4	33.6
65	58.2	42.9	64.3



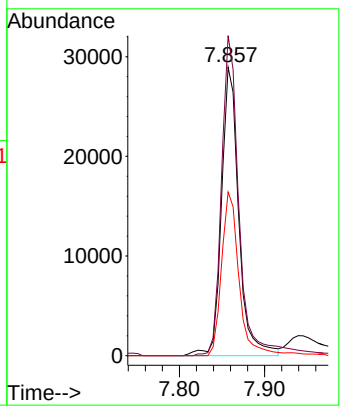


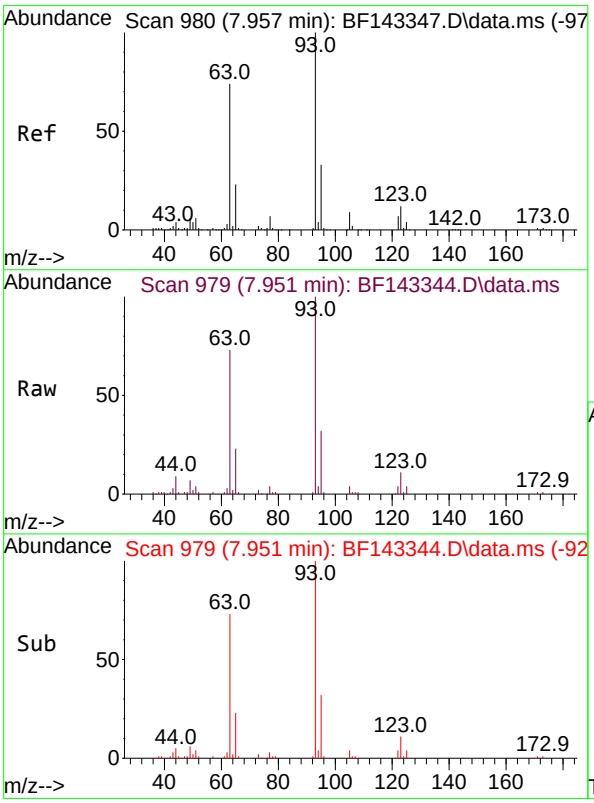
#27
2,4-Dimethylphenol
Concen: 4.743 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 40753

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.9	134.9
121	56.7	46.2	69.4

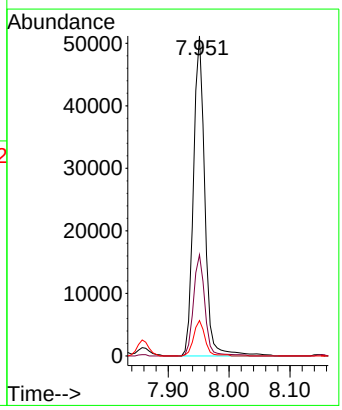


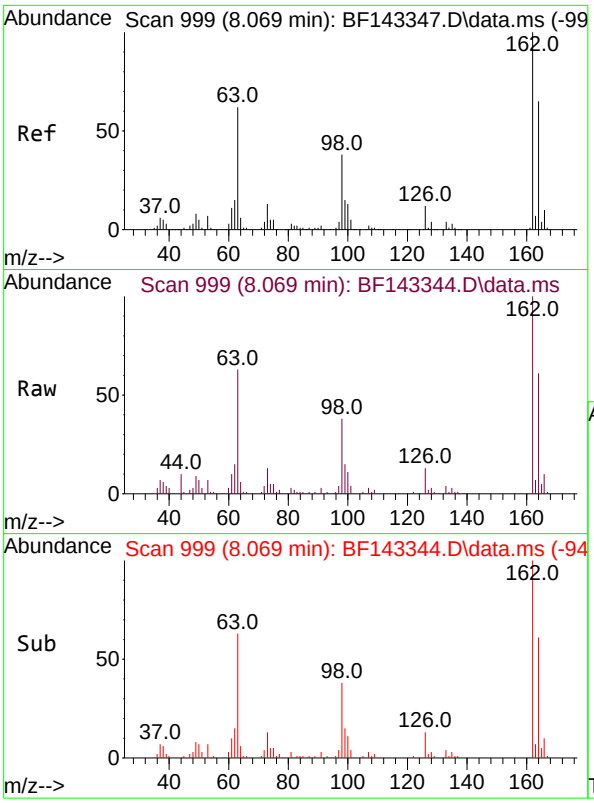


#28
bis(2-Chloroethoxy)methane
Concen: 5.296 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 93 Resp: 66594

Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.4
123	11.1	9.4	14.2



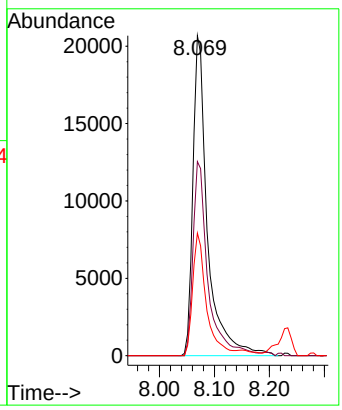


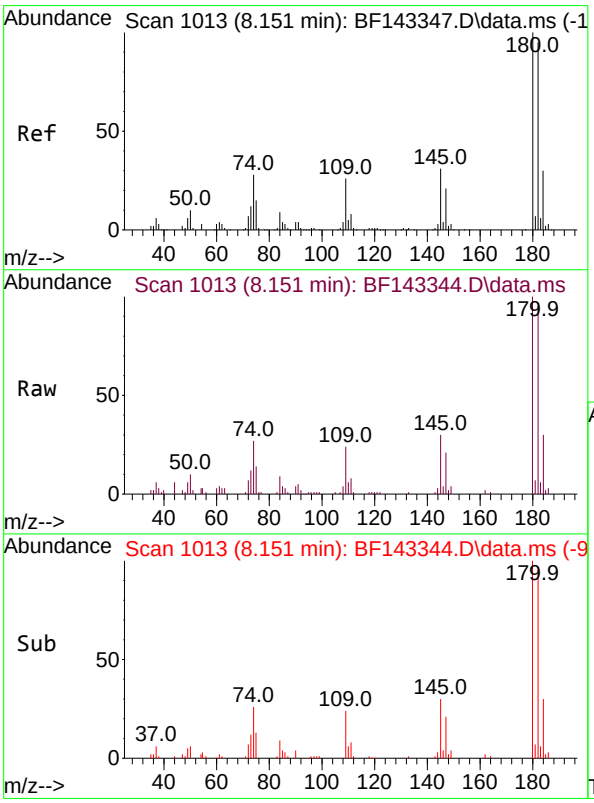
#29
2,4-Dichlorophenol
Concen: 4.544 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 38135

Ion	Ratio	Lower	Upper
162	100		
164	60.6	44.5	84.5
98	38.3	17.7	57.7

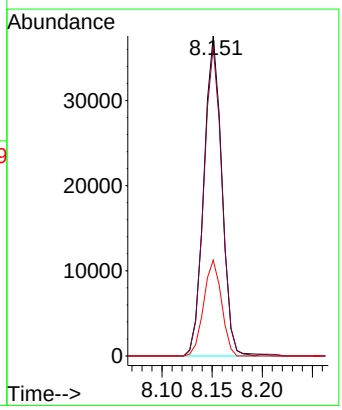


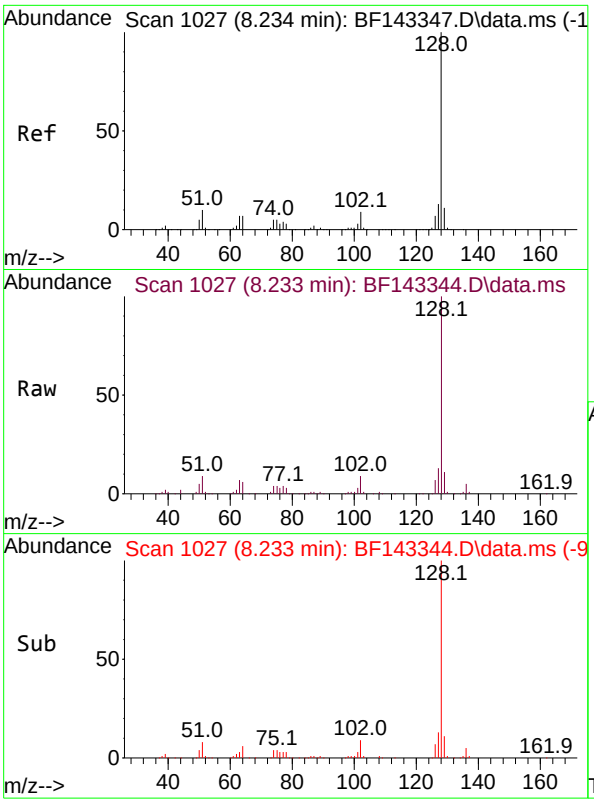


#30
1,2,4-Trichlorobenzene
Concen: 5.303 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:180 Resp: 46949

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.1	114.1
145	30.0	24.9	37.3



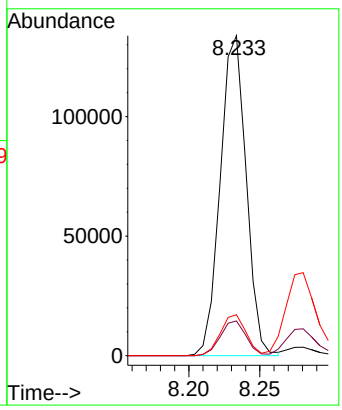


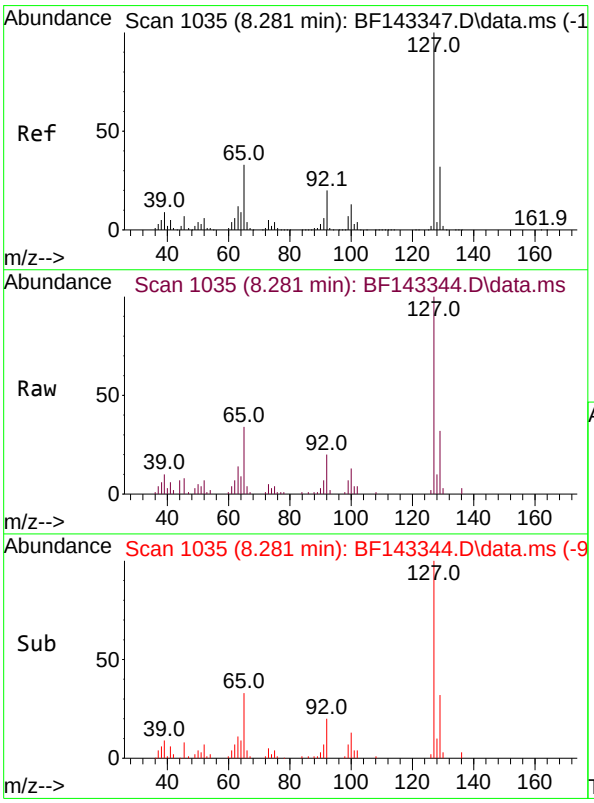
#31
Naphthalene
Concen: 5.625 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 170051

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	12.8	10.7	16.1

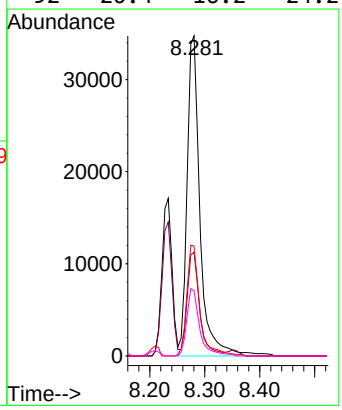


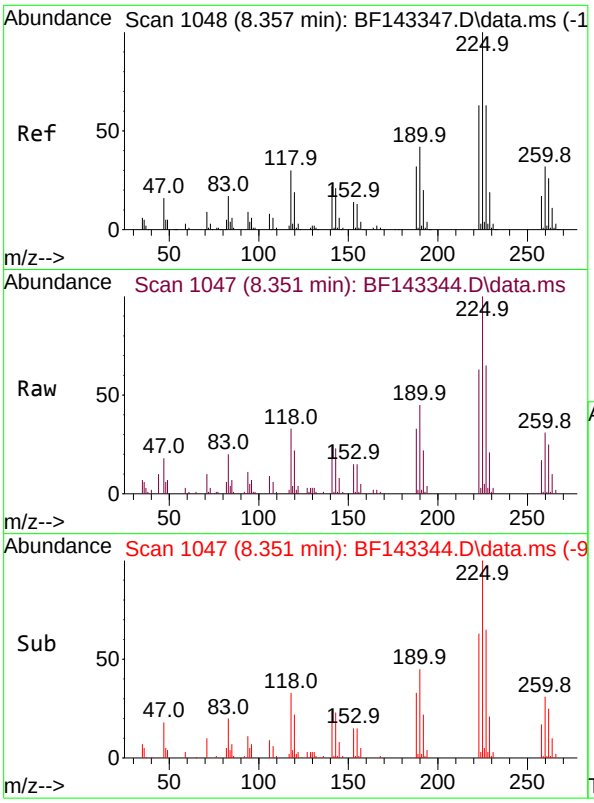


#33
4-Chloroaniline
Concen: 5.217 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:127 Resp: 56886

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	34.4	27.0	40.4
92	20.4	16.2	24.2



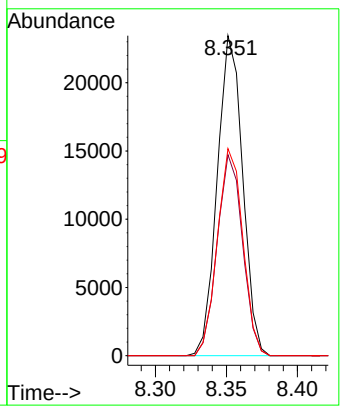


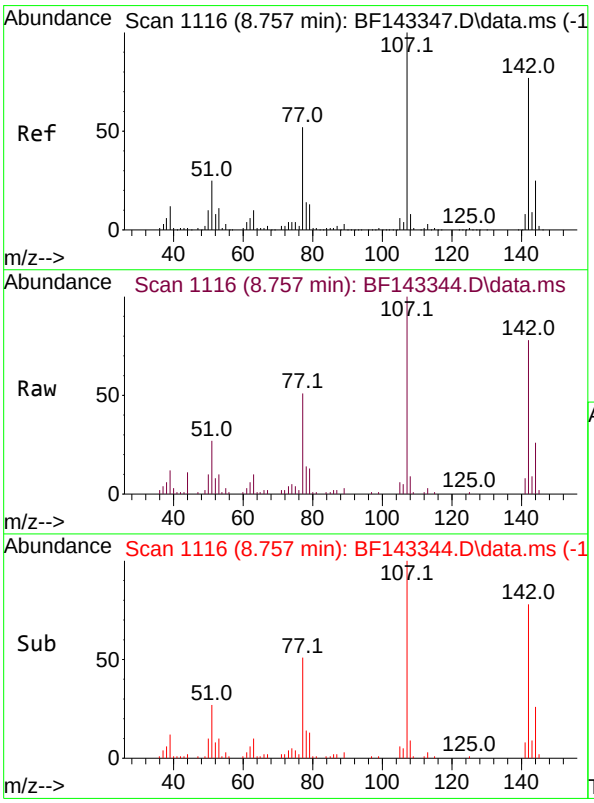
#34
Hexachlorobutadiene
Concen: 5.288 ng
RT: 8.351 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 29122

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.1	75.1
227	64.7	50.6	75.8

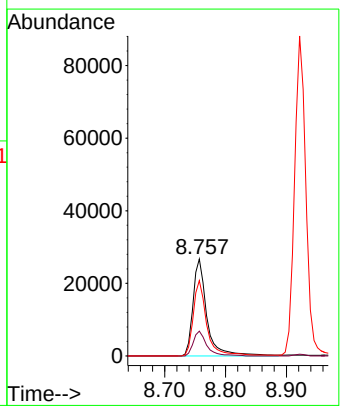


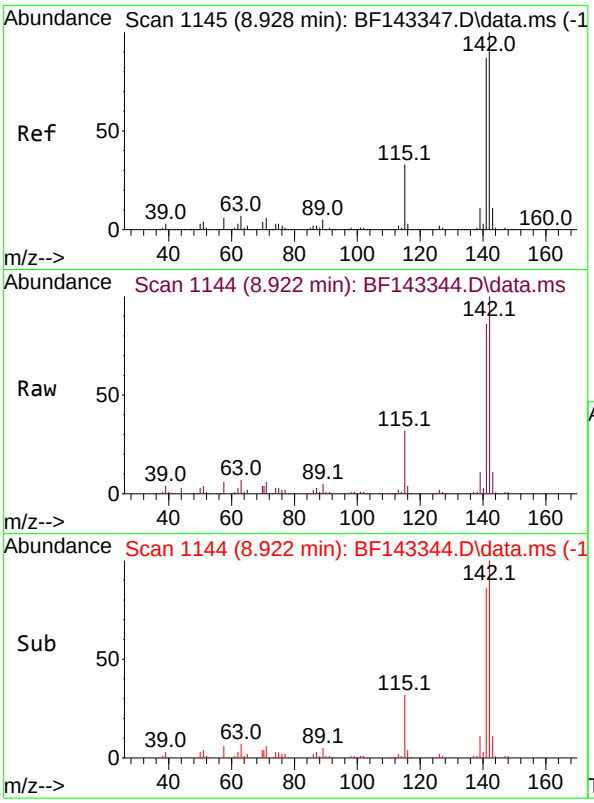


#36
4-Chloro-3-methylphenol
Concen: 4.817 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:107 Resp: 42384

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.0	30.0
142	77.7	61.3	91.9



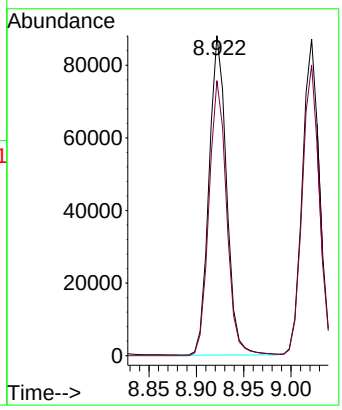


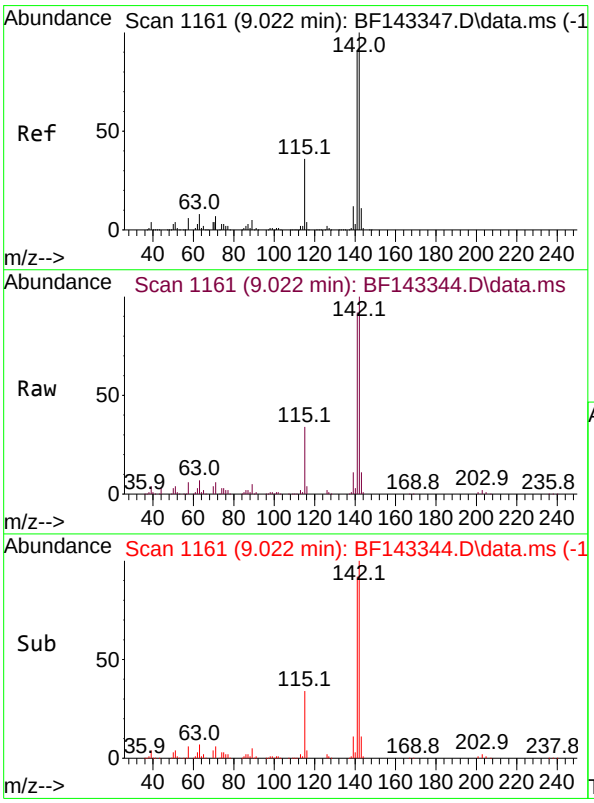
#37
2-Methylnaphthalene
Concen: 5.692 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 113134

Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.8	104.8

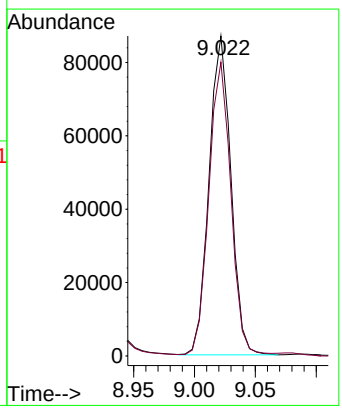


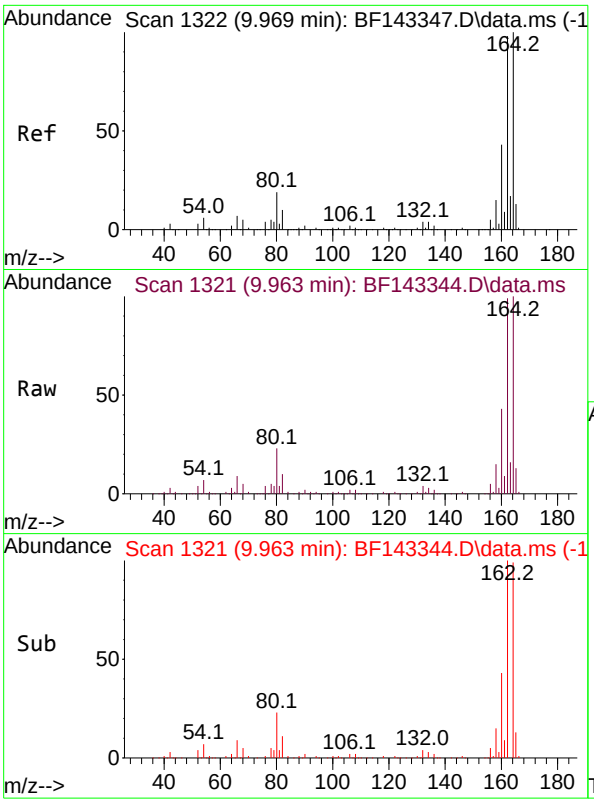


#38
1-Methylnaphthalene
Concen: 5.661 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:142 Resp: 108359

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.0	109.4



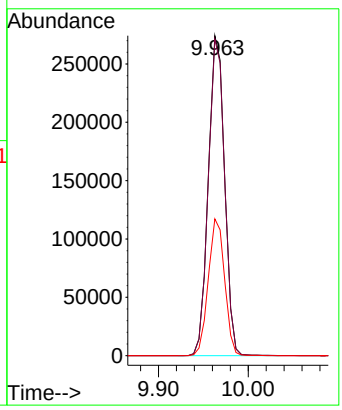


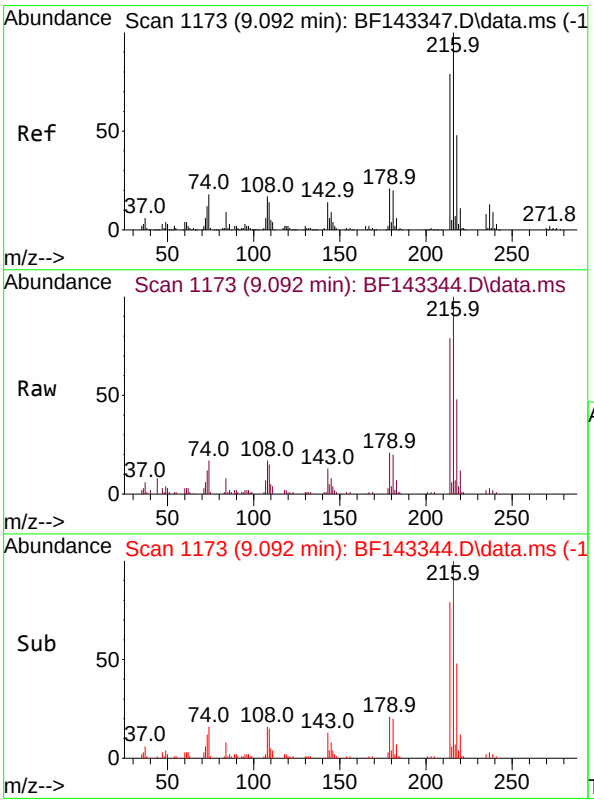
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 344999

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.6	118.0
160	42.7	34.4	51.6

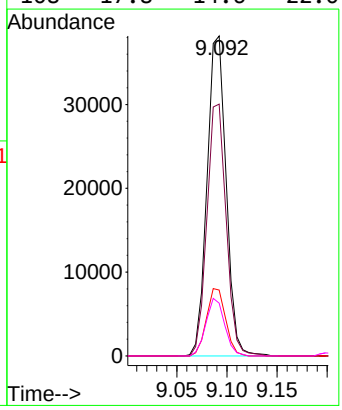


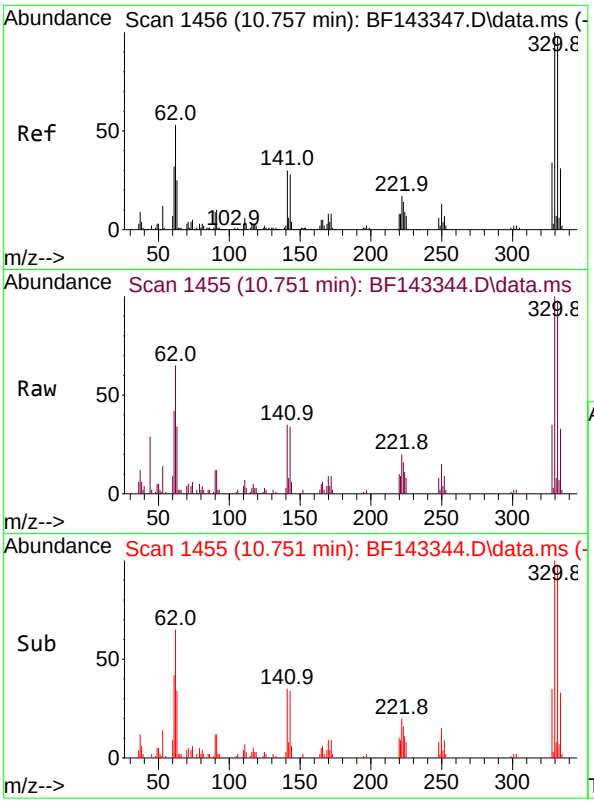


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.373 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:216 Resp: 50724

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.0	17.0	25.4
108	17.8	14.6	22.0



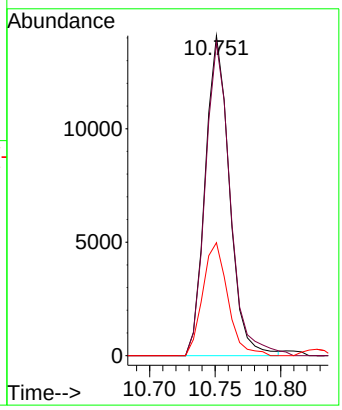


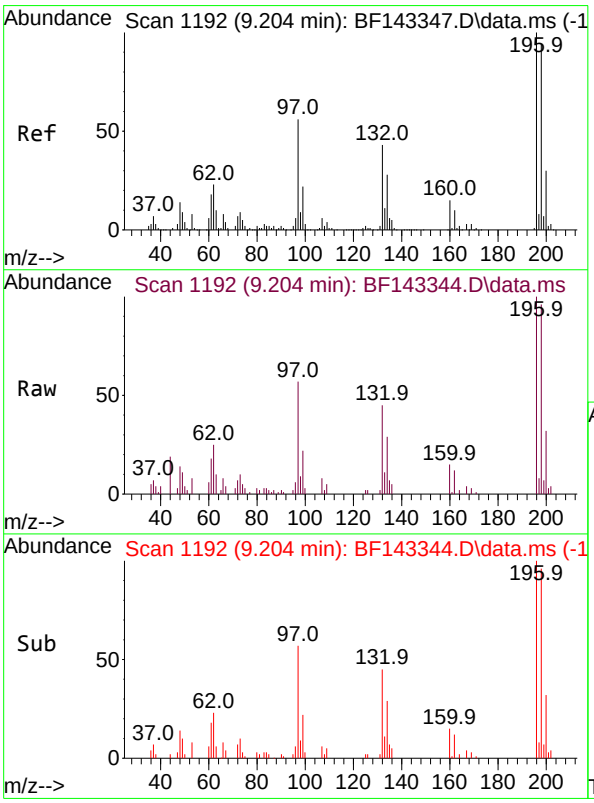
#42
2,4,6-Tribromophenol
Concen: 7.182 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 18107

Ion	Ratio	Lower	Upper
330	100		
332	100.5	78.1	117.1
141	36.6	25.4	38.0

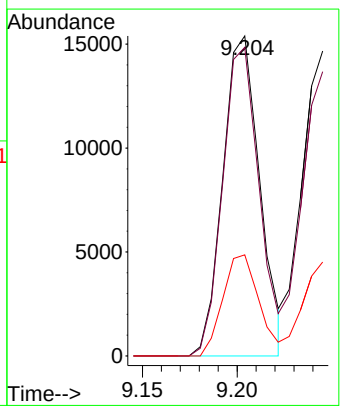


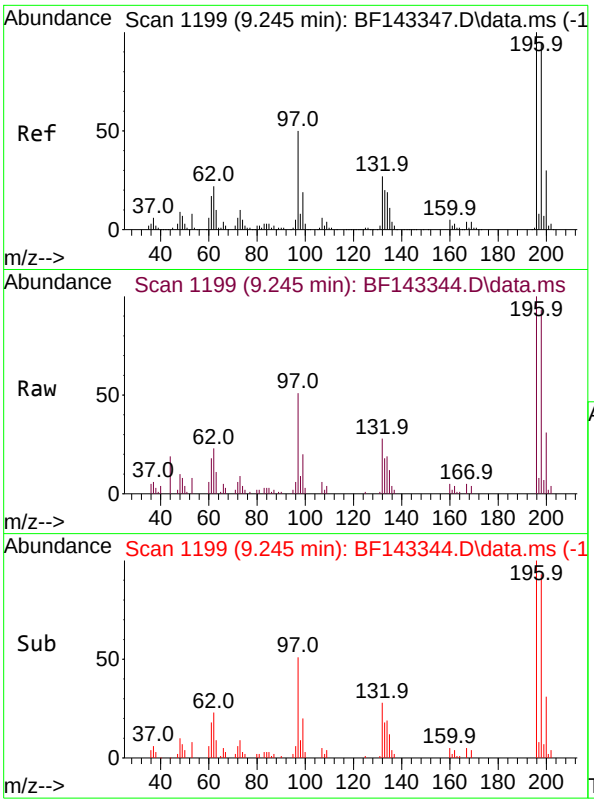


#43
2,4,6-Trichlorophenol
Concen: 3.890 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:196 Resp: 20838

Ion	Ratio	Lower	Upper
196	100		
198	96.5	75.4	113.0
200	31.6	24.3	36.5



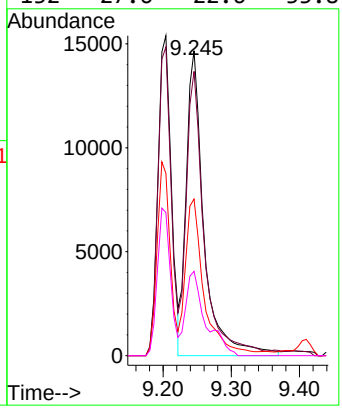


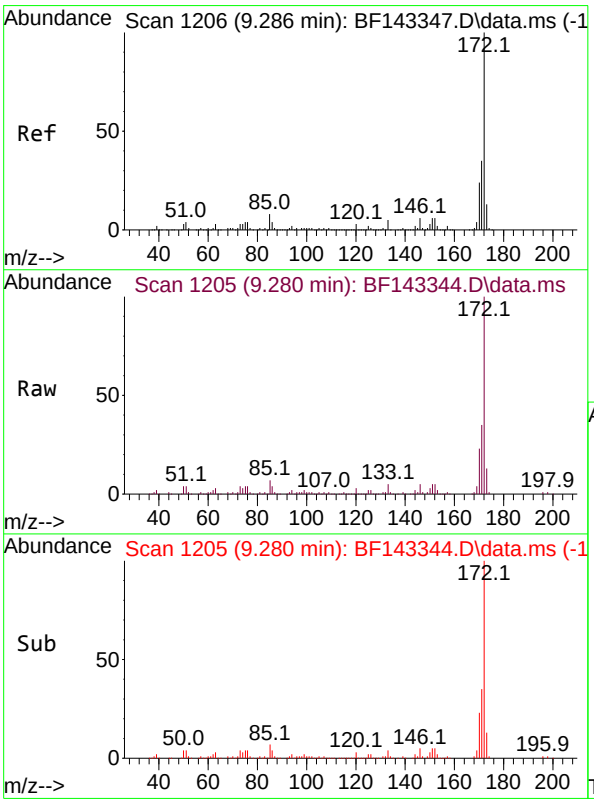
#44
2,4,5-Trichlorophenol
Concen: 4.384 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 26517

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.4	113.2
97	51.3	39.9	59.9
132	27.6	22.6	33.8

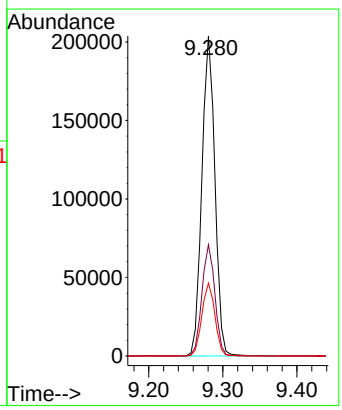


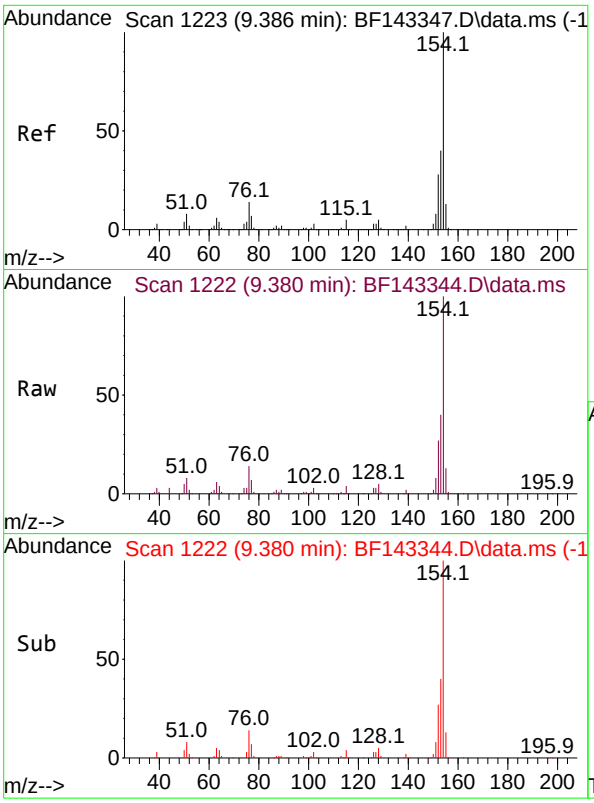


#45
2-Fluorobiphenyl
Concen: 12.244 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:172 Resp: 249109

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.4	42.6
170	22.8	19.1	28.7



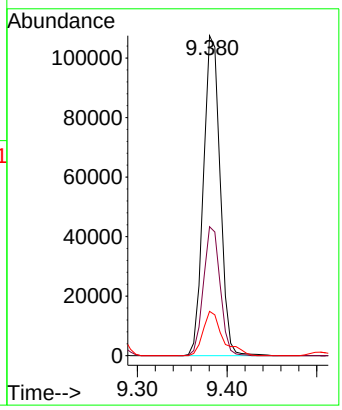


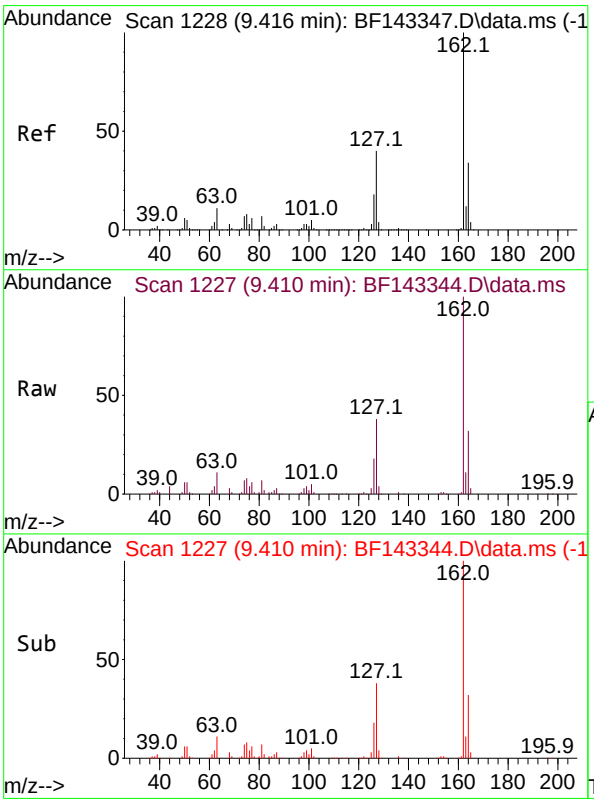
#46
1,1'-Biphenyl
Concen: 5.703 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 139115

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.2	60.2
76	13.9	0.0	34.4

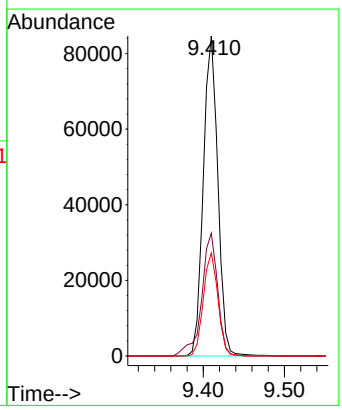


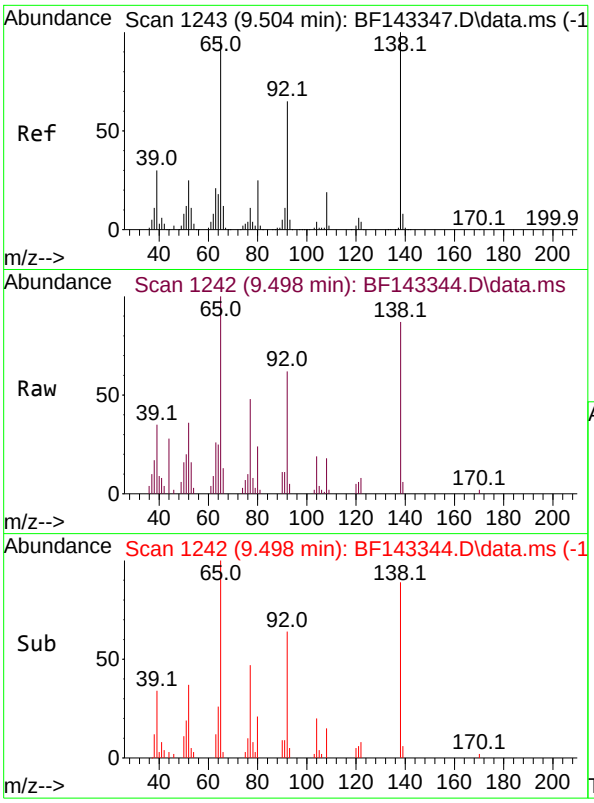


#47
2-Chloronaphthalene
Concen: 5.459 ng
RT: 9.410 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:162 Resp: 104874

Ion	Ratio	Lower	Upper
162	100		
127	38.3	32.1	48.1
164	32.2	27.0	40.4



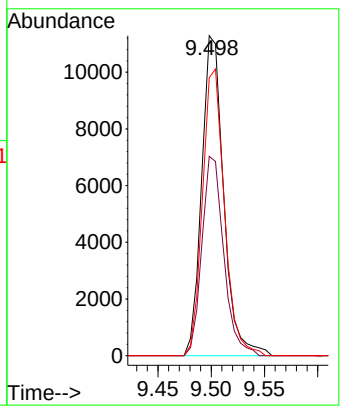


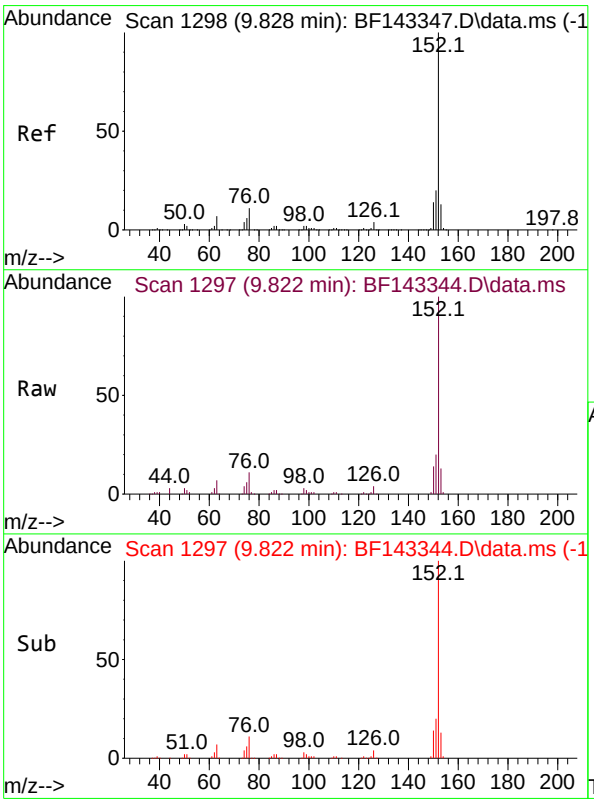
#48
2-Nitroaniline
Concen: 5.521 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 16200

Ion	Ratio	Lower	Upper
65	100		
92	62.3	53.1	79.7
138	86.9	81.4	122.0

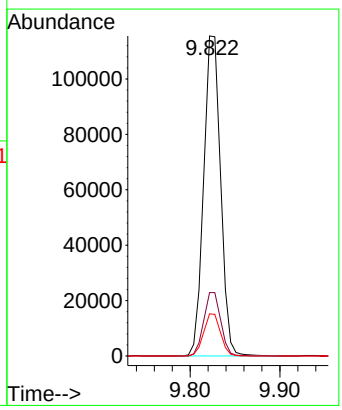


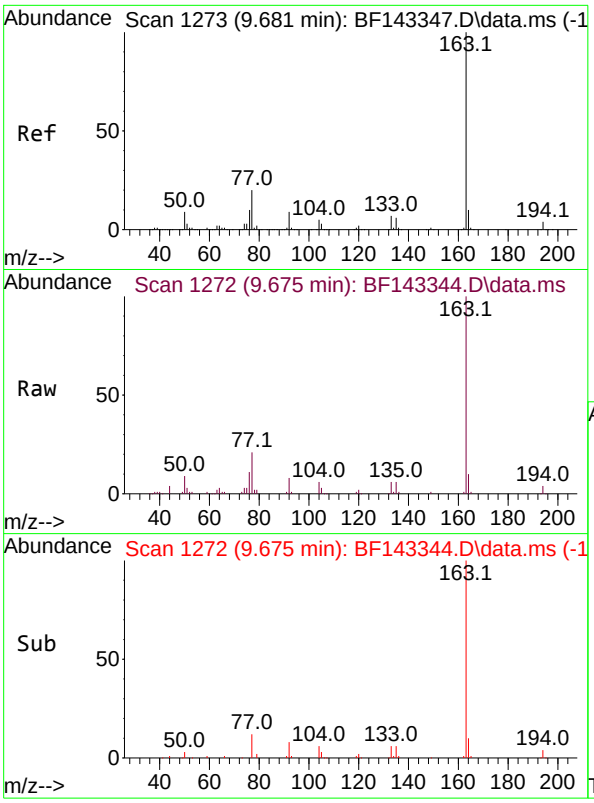


#49
Acenaphthylene
Concen: 5.467 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:152 Resp: 151682

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.1	10.6	16.0



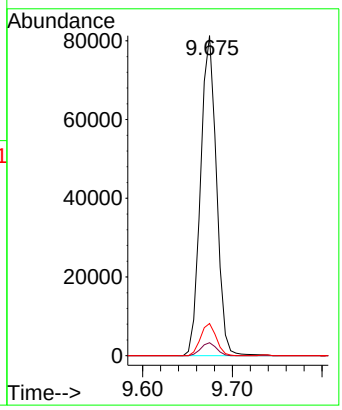


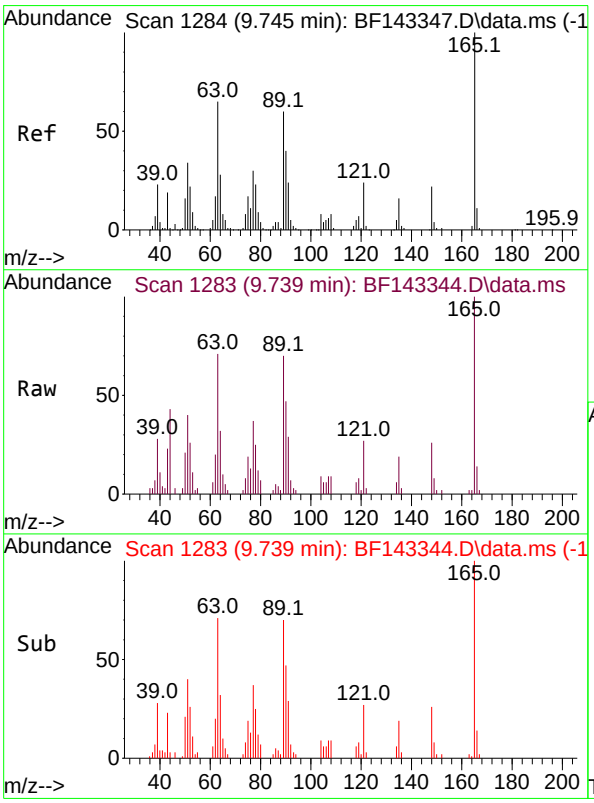
#50
Dimethylphthalate
Concen: 4.962 ng
RT: 9.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 100034

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.2

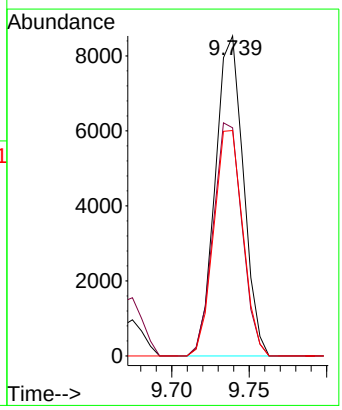


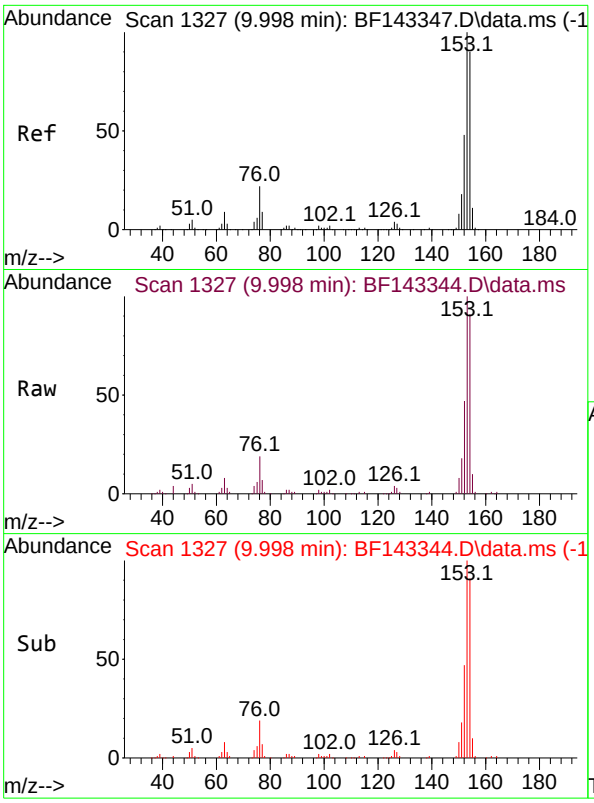


#51
2,6-Dinitrotoluene
Concen: 5.607 ng
RT: 9.739 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 10751

Ion	Ratio	Lower	Upper
165	100		
63	71.3	51.6	77.4
89	70.4	47.7	71.5



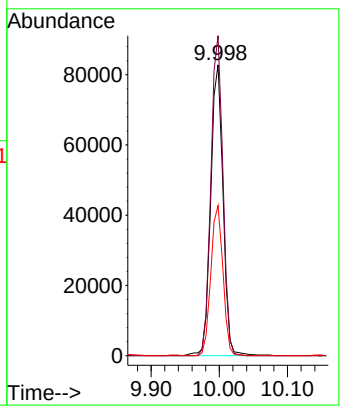


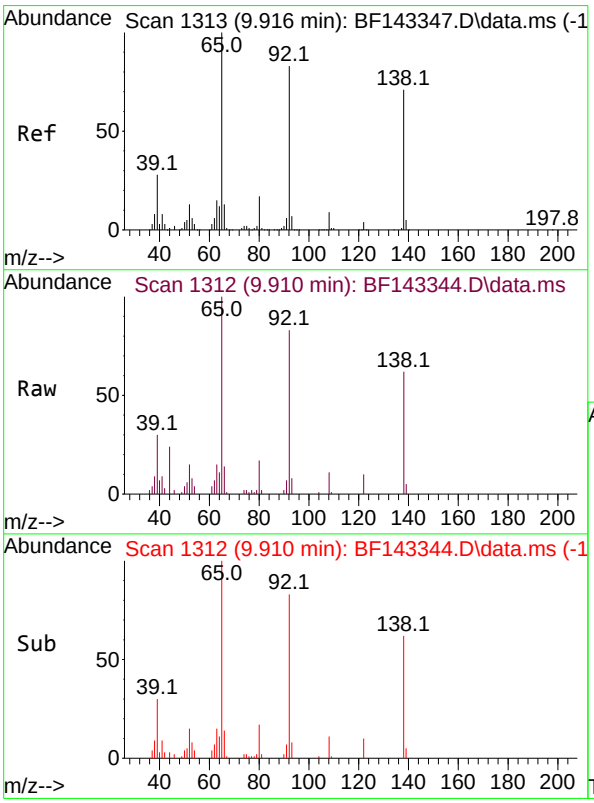
#52
Acenaphthene
Concen: 5.651 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 104223

Ion	Ratio	Lower	Upper
154	100		
153	110.0	88.5	132.7
152	51.6	42.4	63.6

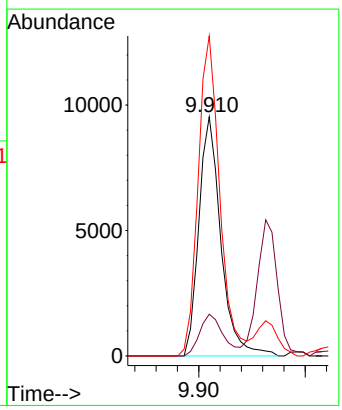


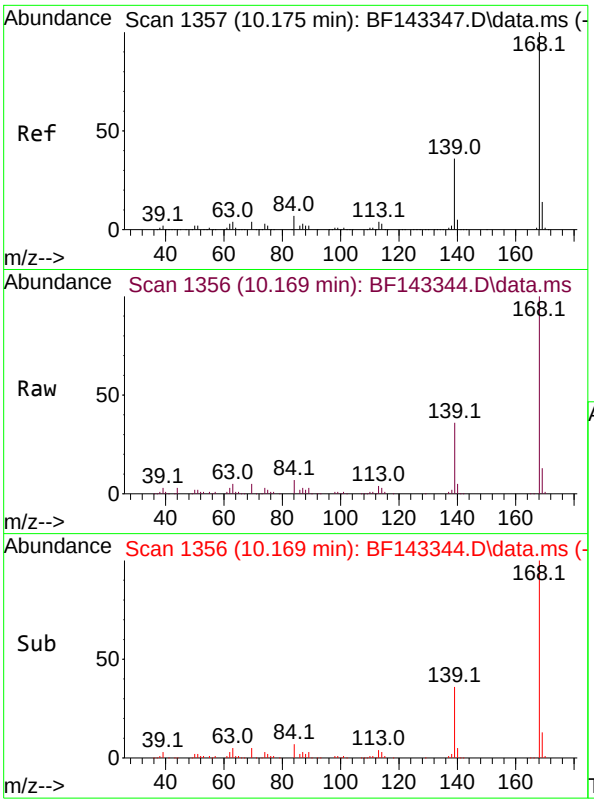


#53
3-Nitroaniline
Concen: 3.319 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:138 Resp: 13704

Ion	Ratio	Lower	Upper
138	100		
108	17.5	9.6	14.4#
92	133.8	93.4	140.2



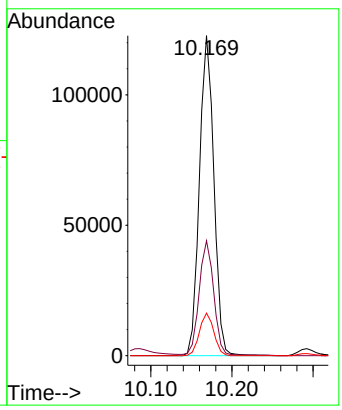


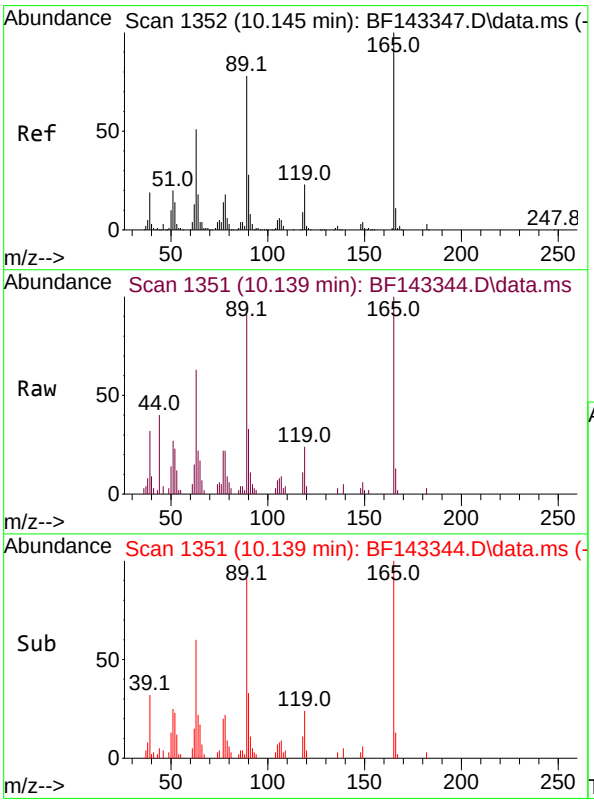
#55
Dibenzofuran
Concen: 5.708 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 151524

Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.4	44.0
169	13.3	11.0	16.6

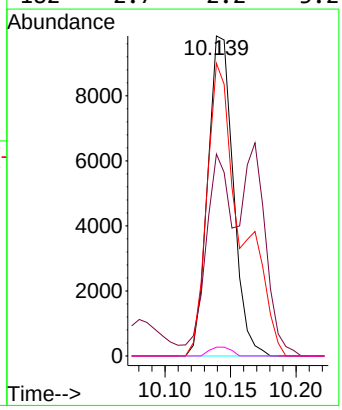


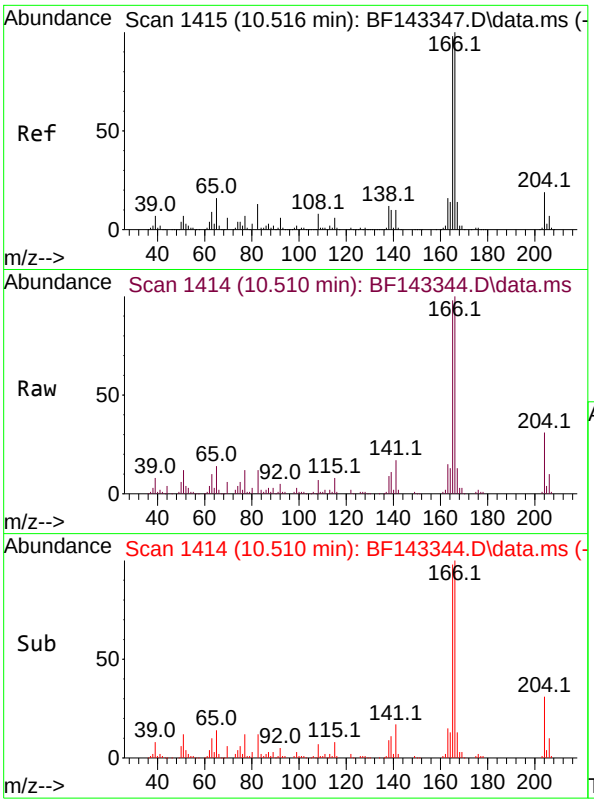


#57
2,4-Dinitrotoluene
Concen: 5.473 ng
RT: 10.139 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:165 Resp: 13285

Ion	Ratio	Lower	Upper
165	100		
63	63.1	41.8	62.8#
89	91.5	62.4	93.6
182	2.7	2.2	3.2



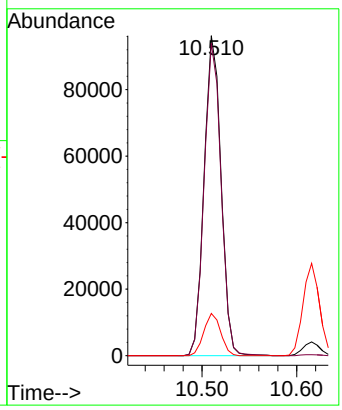


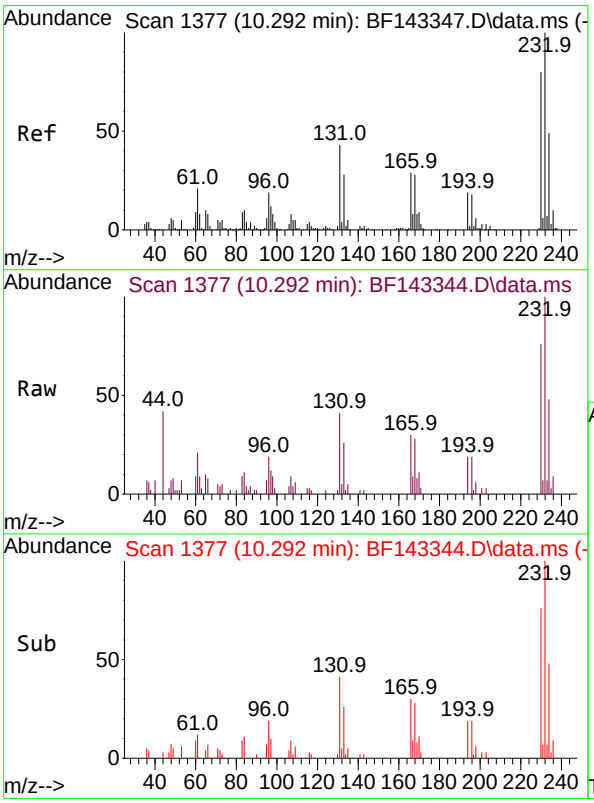
#58
Fluorene
Concen: 5.875 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 119124

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.4
167	13.2	10.9	16.3

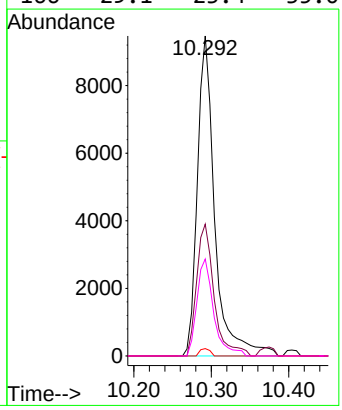


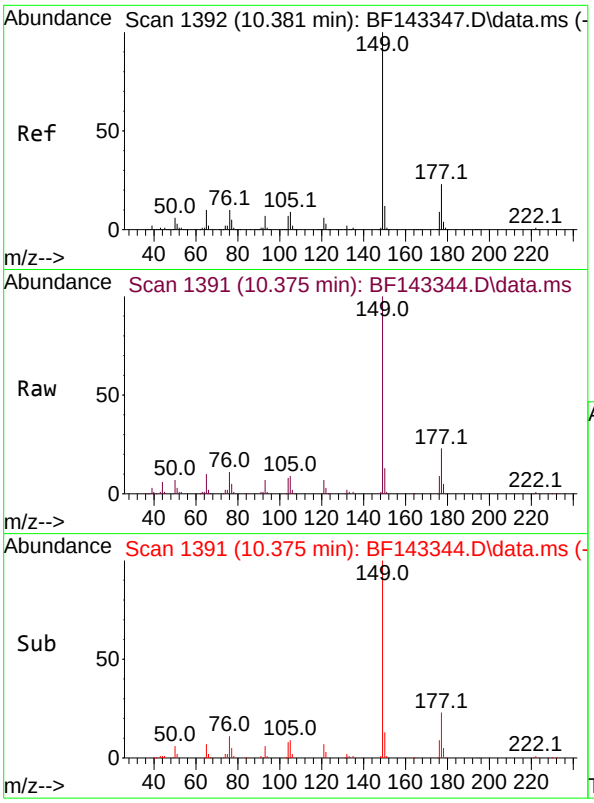


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.628 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:232 Resp: 14793

Ion	Ratio	Lower	Upper
232	100		
131	41.2	34.6	51.8
130	1.3	1.7	2.5#
166	29.1	23.4	35.0



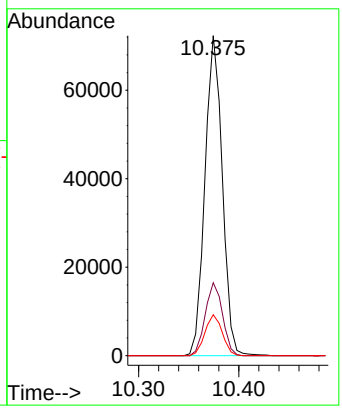


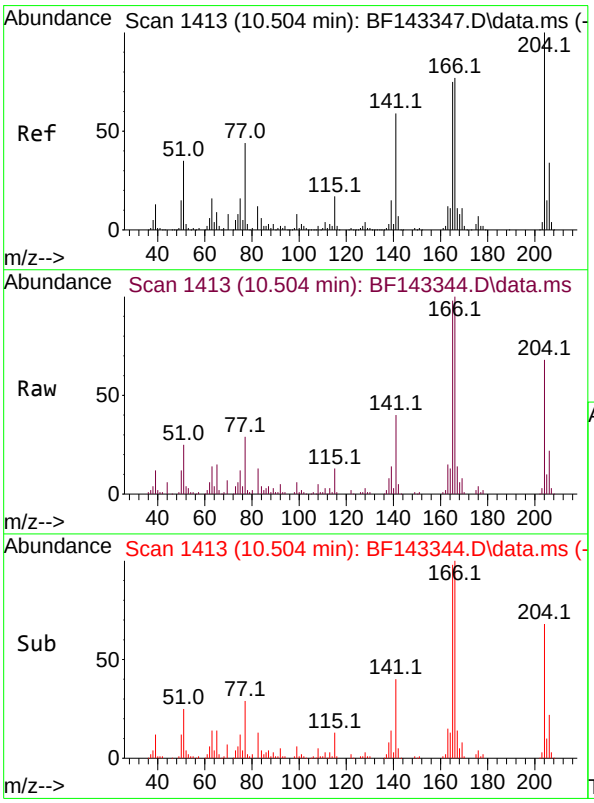
#60
Diethylphthalate
Concen: 4.831 ng
RT: 10.375 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 87234

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.2	27.2
150	12.8	9.9	14.9

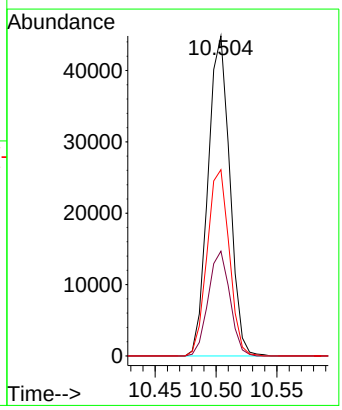


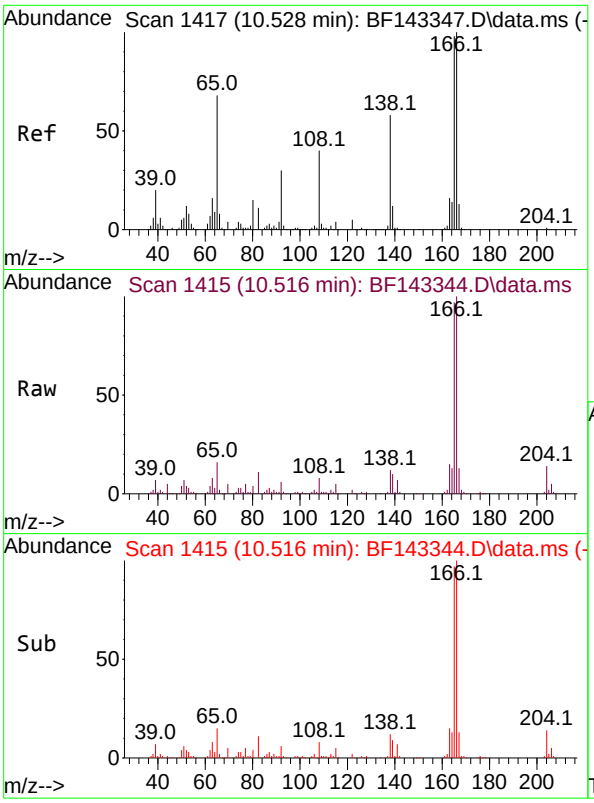


#61
4-Chlorophenyl-phenylether
Concen: 5.677 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:204 Resp: 55620

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.4	41.2
141	58.2	46.9	70.3



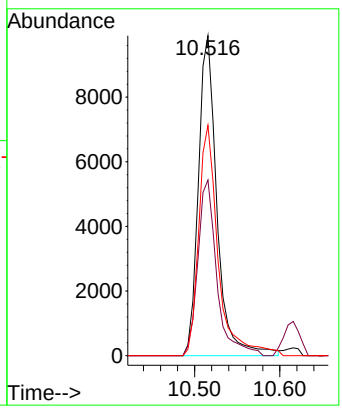


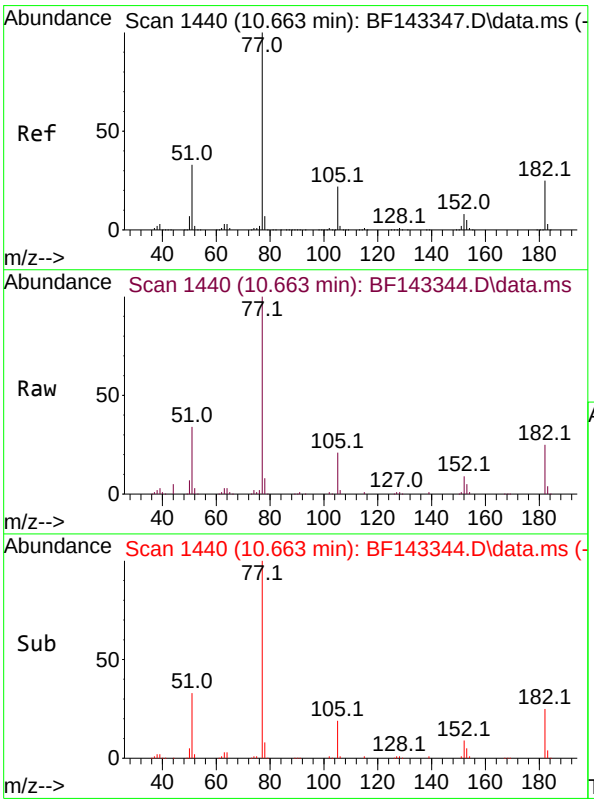
#62
4-Nitroaniline
Concen: 3.762 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 15026

Ion	Ratio	Lower	Upper
138	100		
92	54.9	31.2	71.2
108	72.0	48.1	88.1

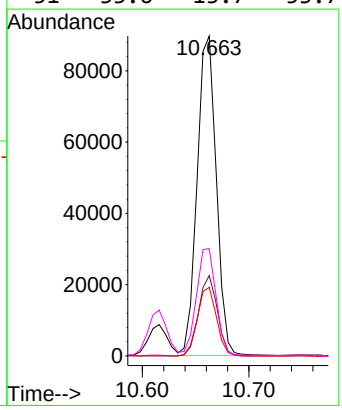


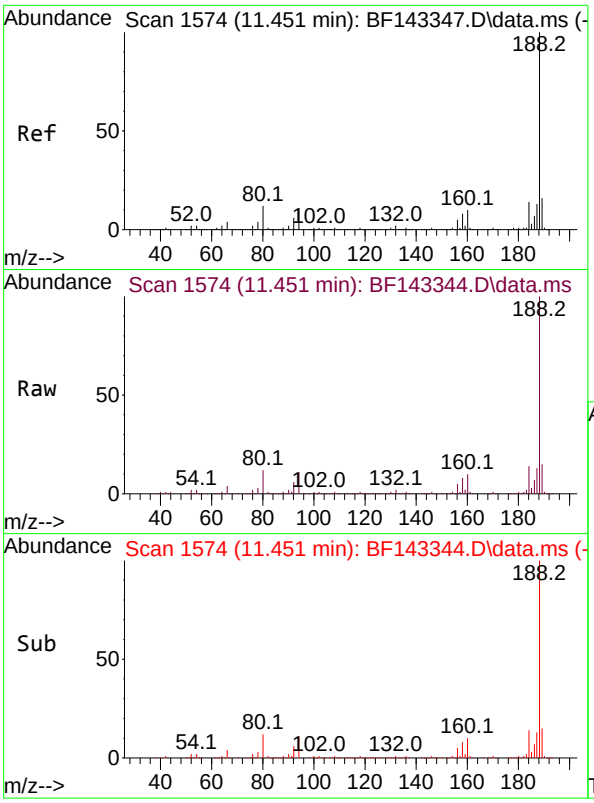


#63
Azobenzene
Concen: 5.445 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion: 77 Resp: 112299

Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.4	44.4
105	21.4	1.8	41.8
51	33.6	13.7	53.7



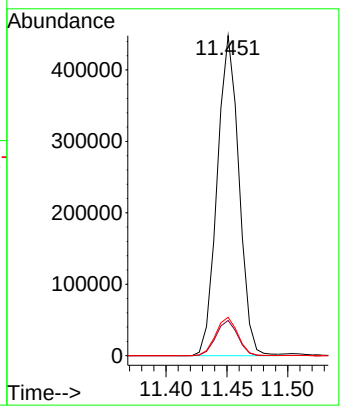


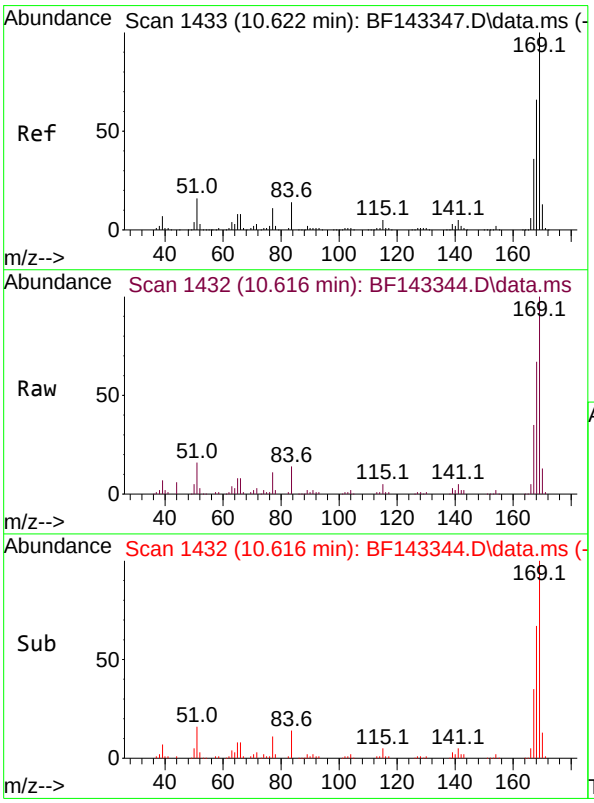
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 557349

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.0	9.7	14.5

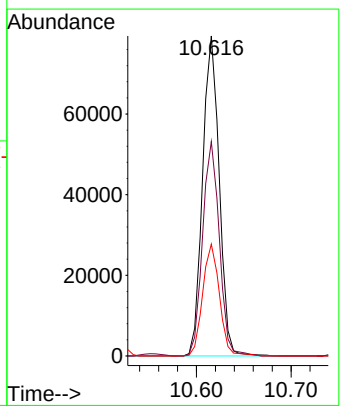


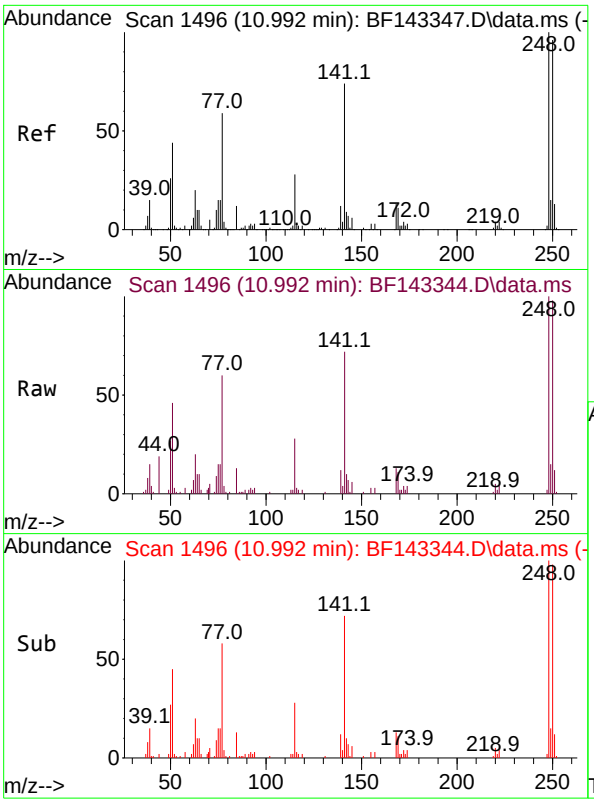


#66
n-Nitrosodiphenylamine
Concen: 5.263 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:169 Resp: 96579

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.7	79.1
167	35.0	28.6	42.8



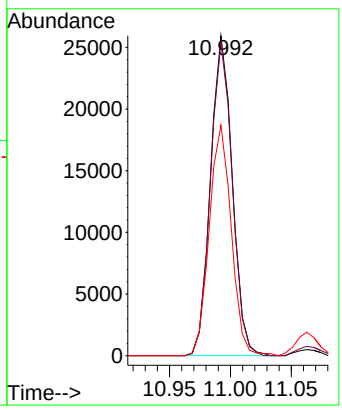


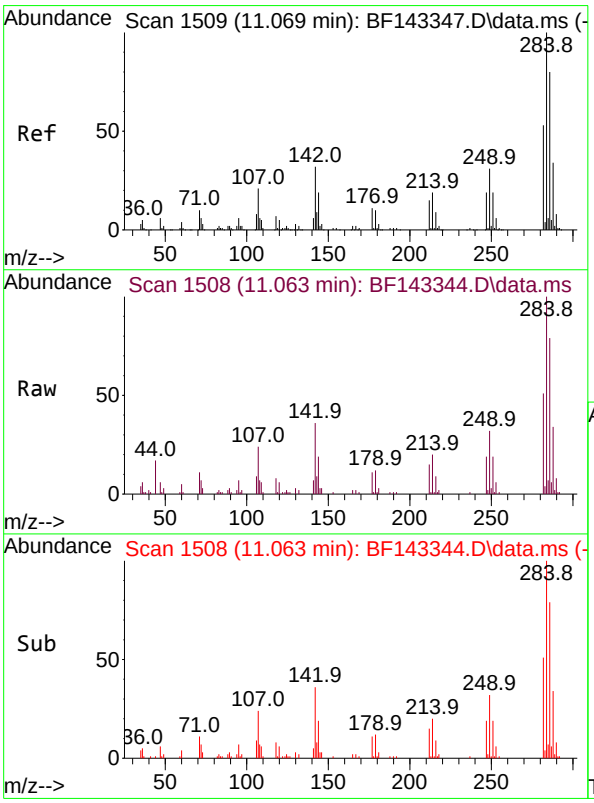
#67
4-Bromophenyl-phenylether
Concen: 5.063 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 32274

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.1	115.7
141	72.0	59.1	88.7

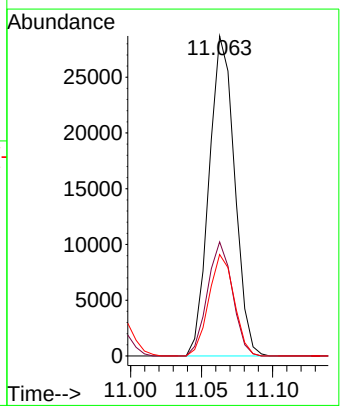


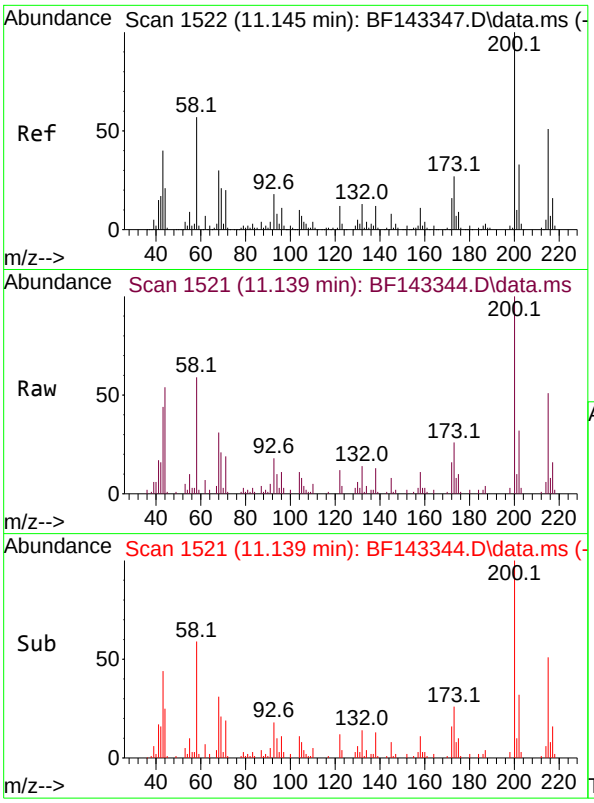


#68
Hexachlorobenzene
Concen: 5.227 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:284 Resp: 35913

Ion	Ratio	Lower	Upper
284	100		
142	35.6	25.7	38.5
249	31.7	24.6	37.0



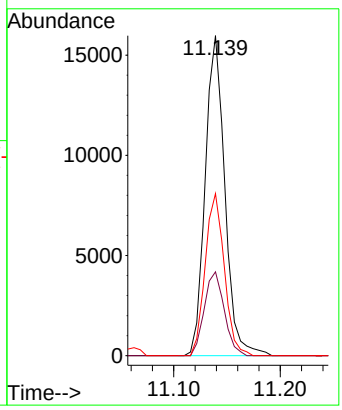


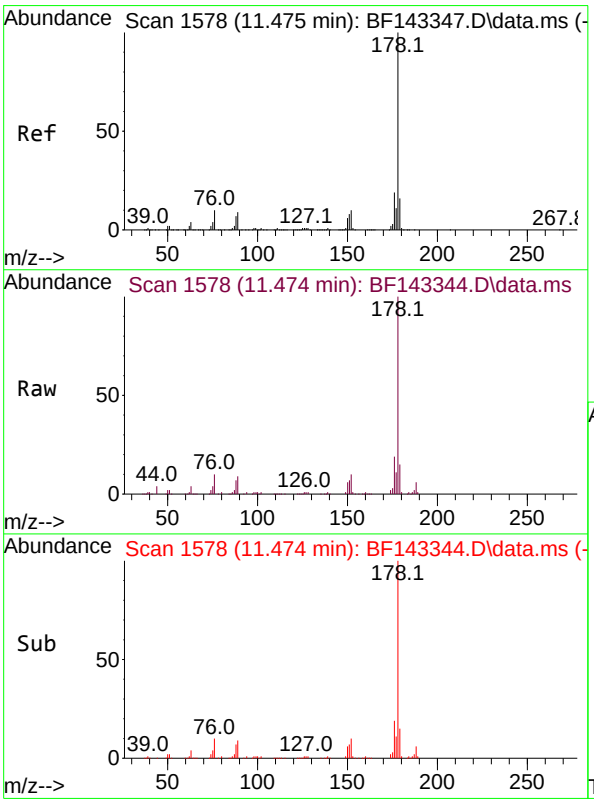
#69
Atrazine
Concen: 4.274 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 20457

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.6	46.6
215	50.7	30.6	70.6

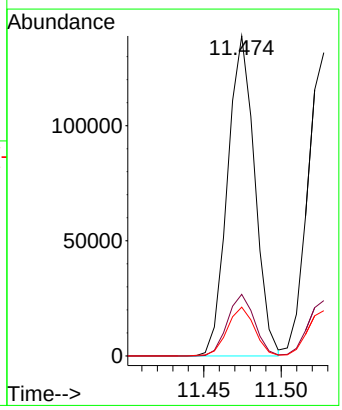


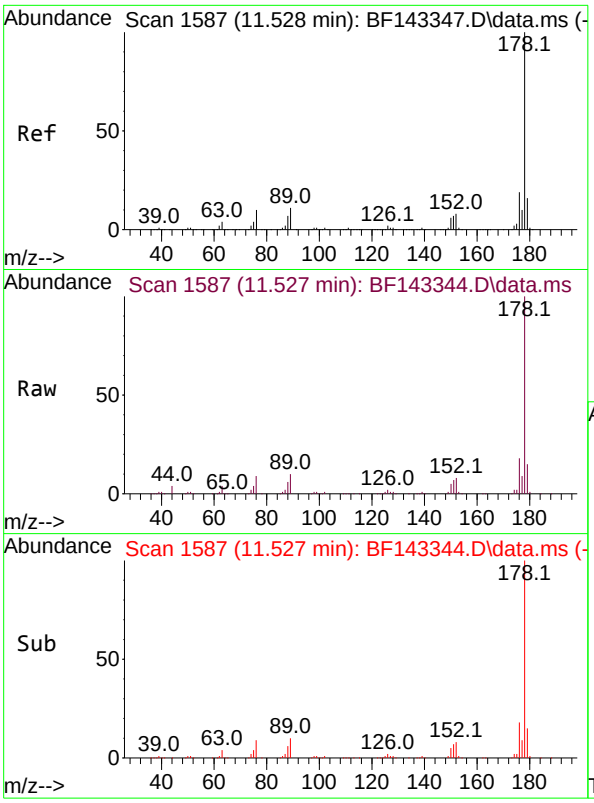


#71
Phenanthrene
Concen: 5.563 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:178 Resp: 169159

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.2	12.5	18.7



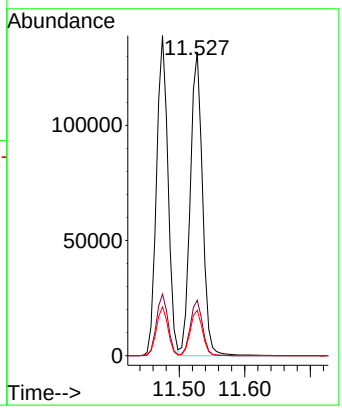


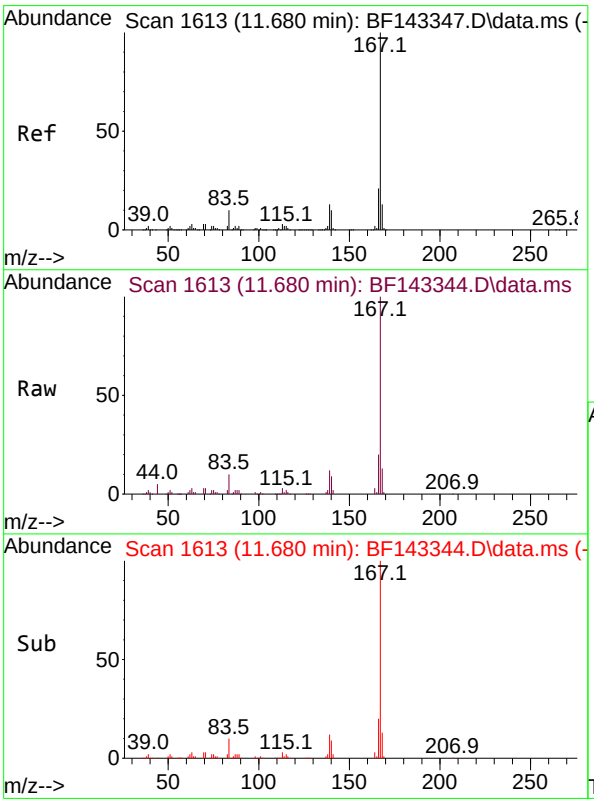
#72
Anthracene
Concen: 5.535 ng
RT: 11.527 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 170698

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	14.9	12.7	19.1

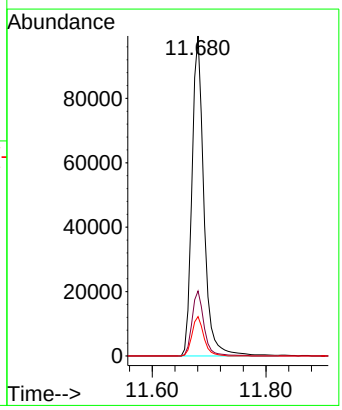


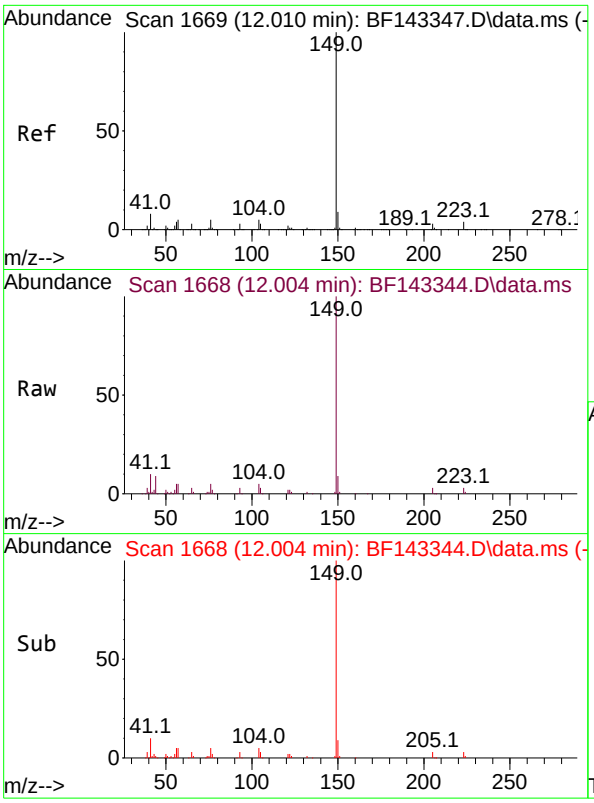


#73
Carbazole
Concen: 5.564 ng
RT: 11.680 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:167 Resp: 146129

Ion	Ratio	Lower	Upper
167	100		
166	20.3	16.8	25.2
139	12.3	10.2	15.2



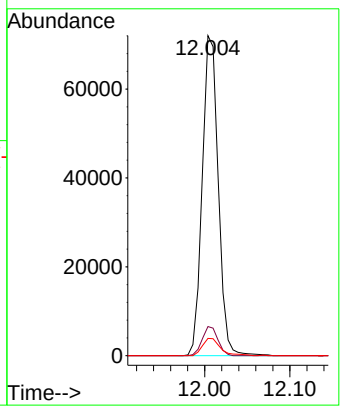


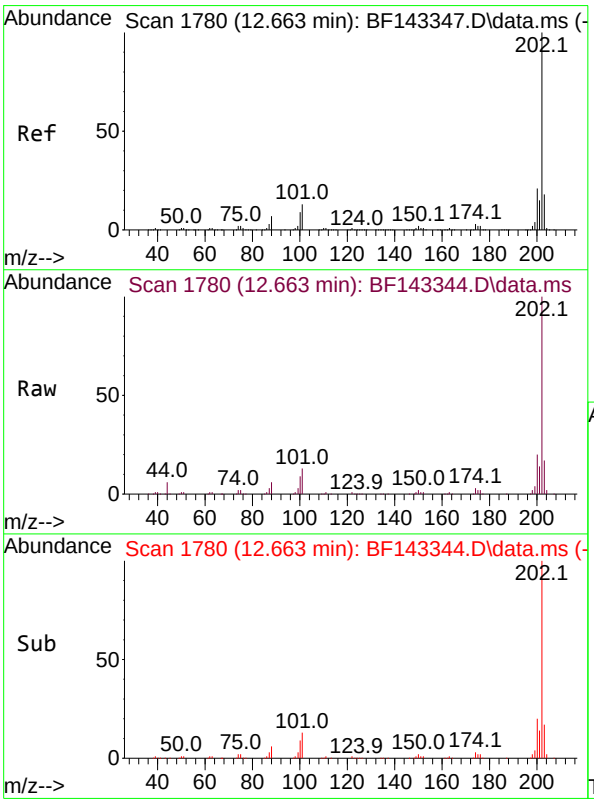
#74
Di-n-butylphthalate
Concen: 4.228 ng
RT: 12.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 93961

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.4	3.8	5.8

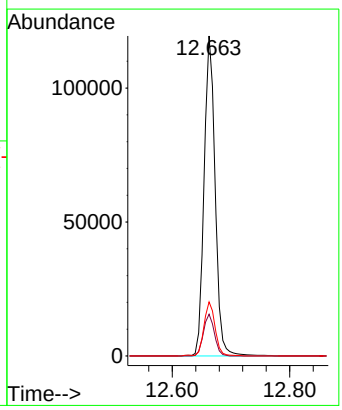


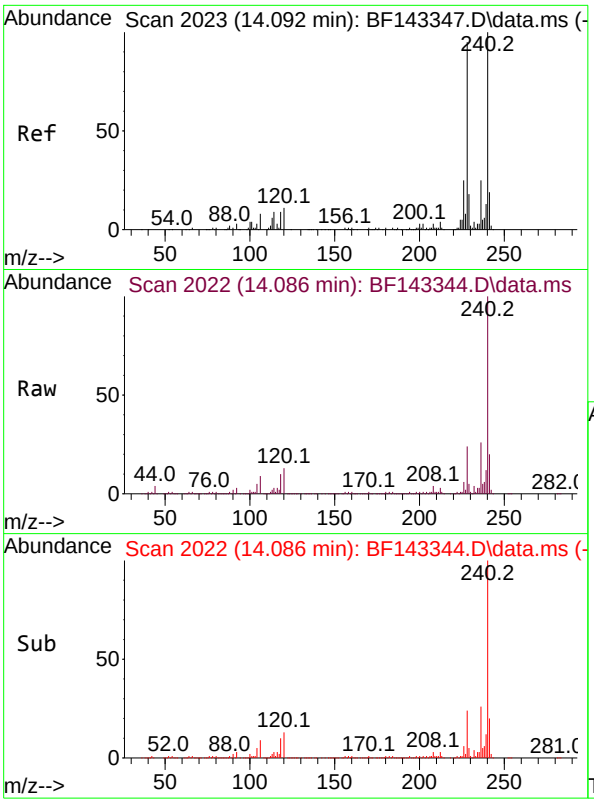


#75
Fluoranthene
Concen: 5.860 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:202 Resp: 156101

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.9	0.0	37.6



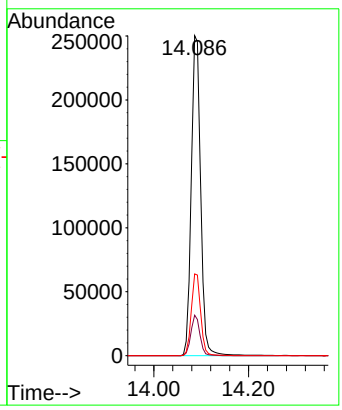


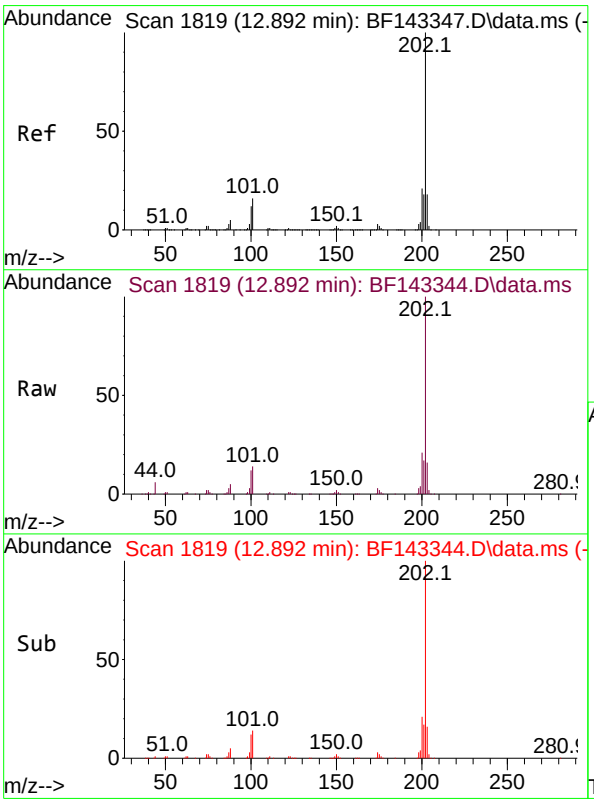
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 344394

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.0	13.6
236	25.5	19.9	29.9

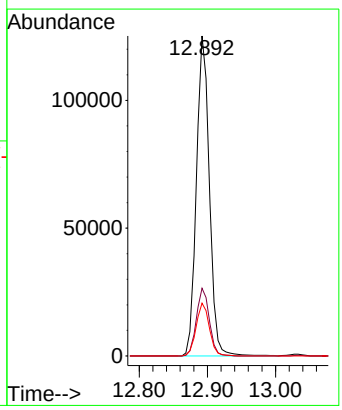


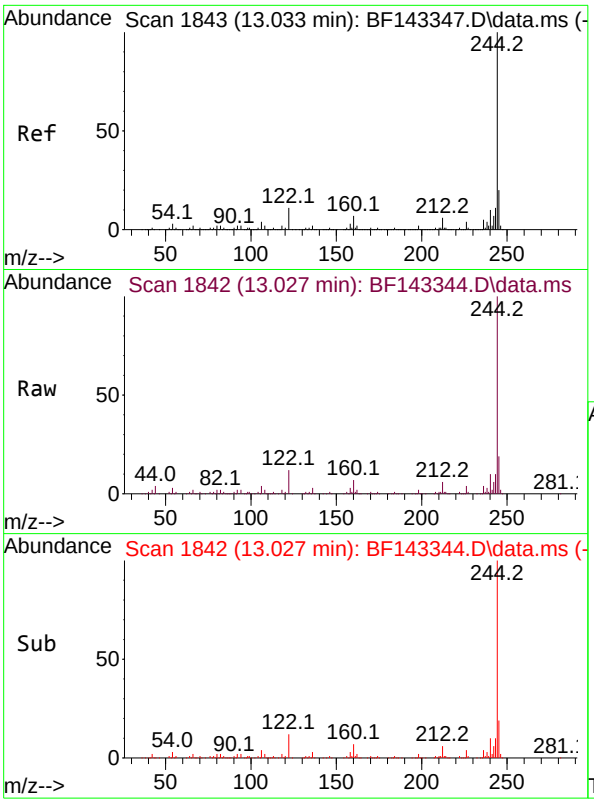


#78
Pyrene
Concen: 5.733 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:202 Resp: 165633

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	16.5	14.2	21.4



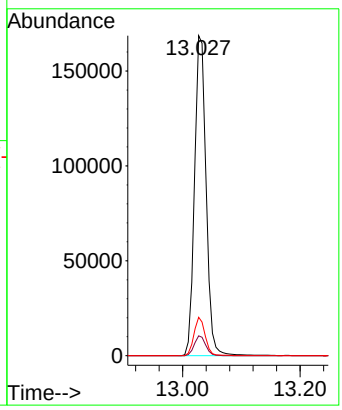


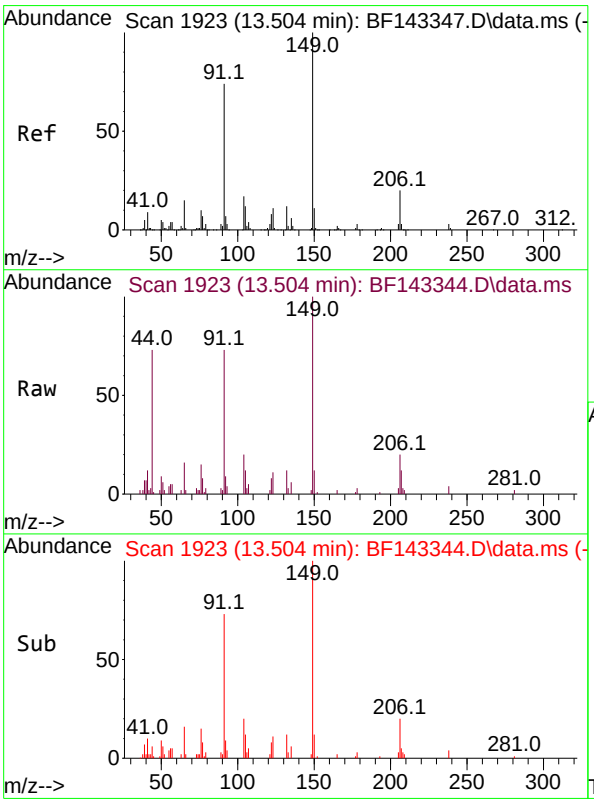
#79
Terphenyl-d14
Concen: 11.938 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 230289

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.1	7.7
122	12.0	8.9	13.3

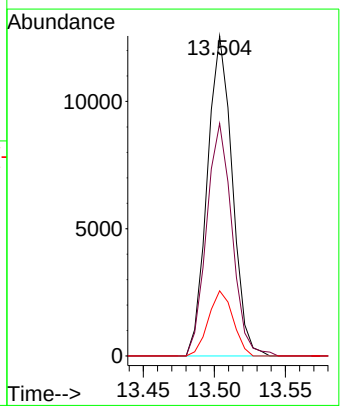


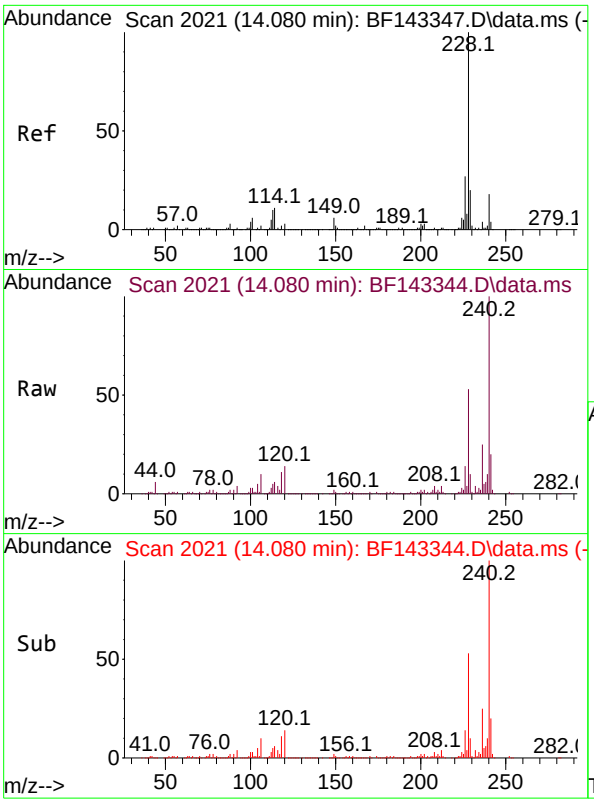


#80
Butylbenzylphthalate
Concen: 5.856 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:149 Resp: 15374

Ion	Ratio	Lower	Upper
149	100		
91	72.7	58.8	88.2
206	20.3	16.4	24.6



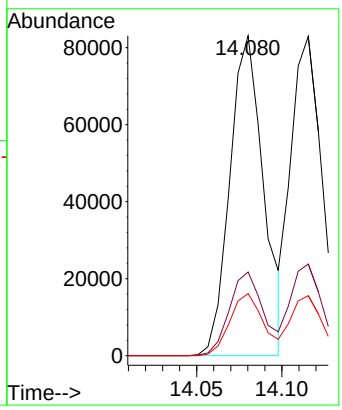


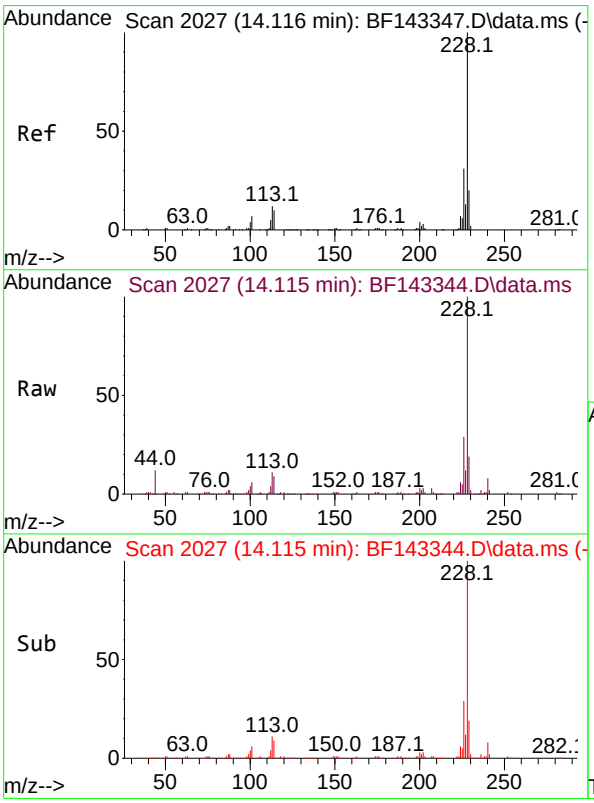
#81
Benzo(a)anthracene
Concen: 5.250 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 114909

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.0	33.0
229	19.4	15.8	23.8

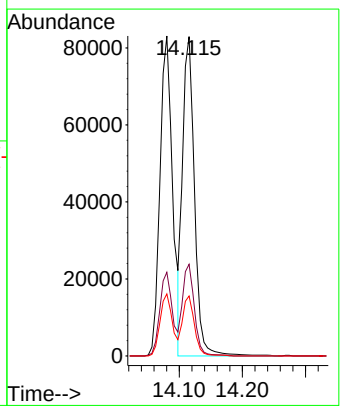


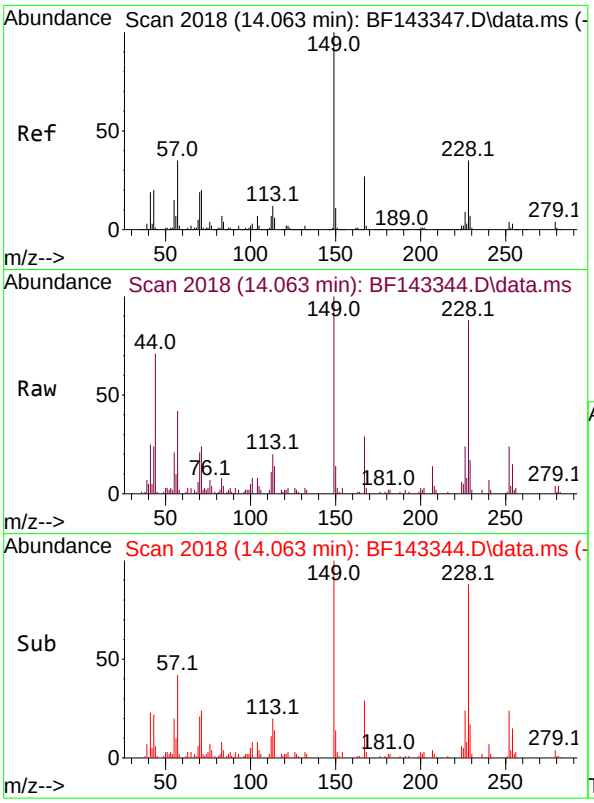


#83
Chrysene
Concen: 5.357 ng
RT: 14.115 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:228 Resp: 109349

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	18.8	15.8	23.6



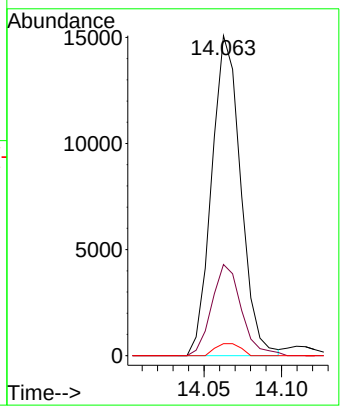


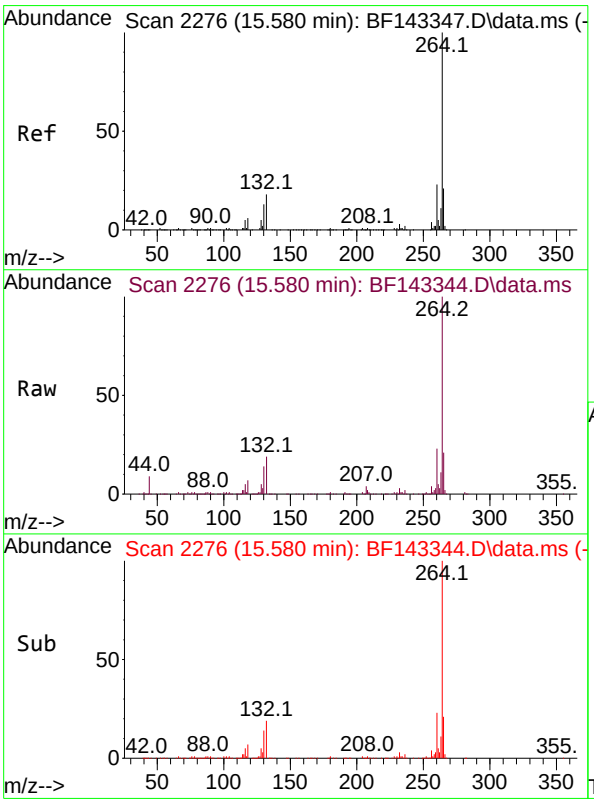
#84
Bis(2-ethylhexyl)phthalate
Concen: 6.133 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 19633

Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.4	32.0
279	3.7	3.2	4.8

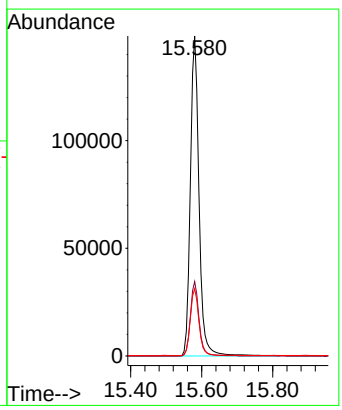


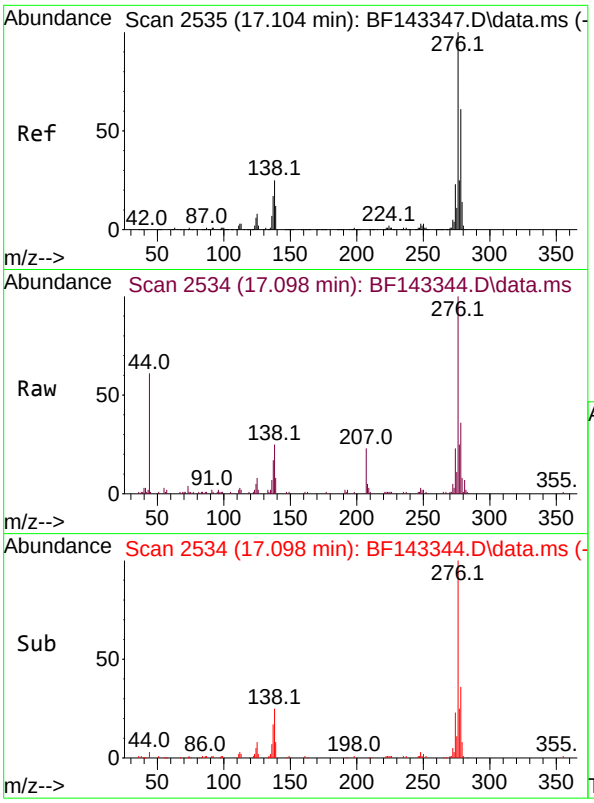


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:264 Resp: 252587

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.0	17.2	25.8



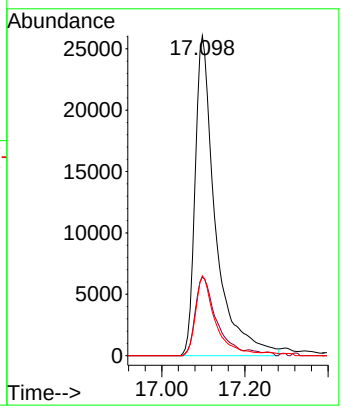


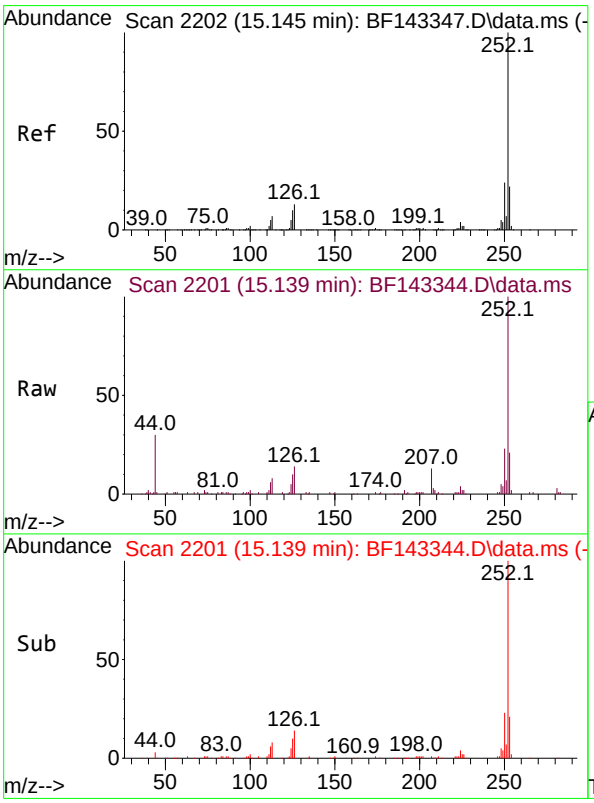
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.890 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 88484

Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.1	31.7
277	24.4	20.2	30.2

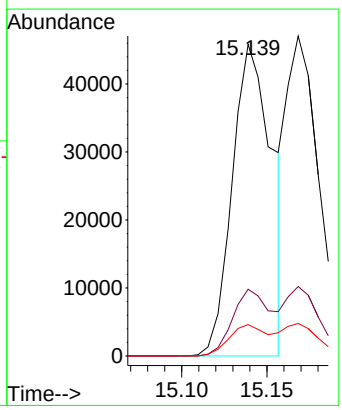


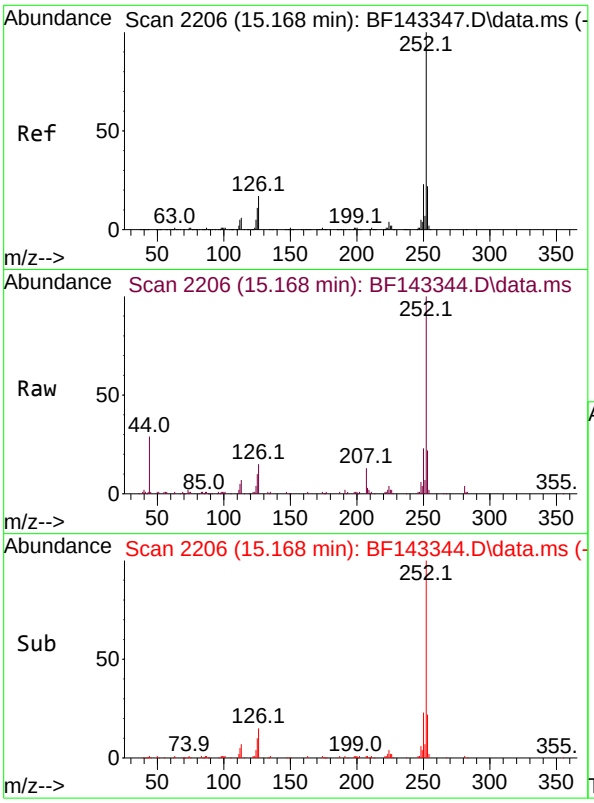


#88
Benzo(b)fluoranthene
Concen: 5.359 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:252 Resp: 74031

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	10.1	7.8	11.6



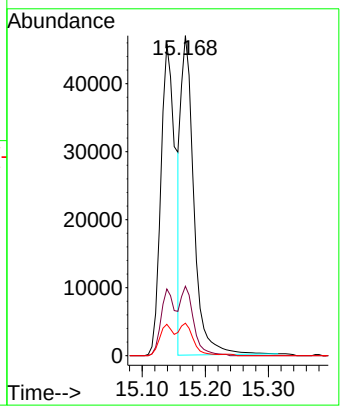


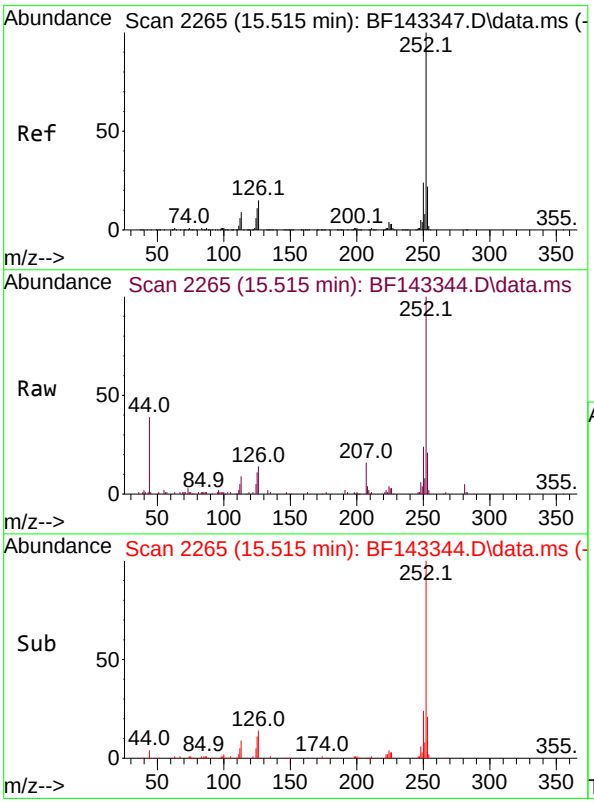
#89
Benzo(k)fluoranthene
Concen: 5.006 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 67207

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.2	8.4	12.6

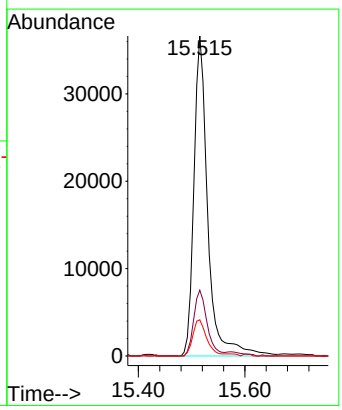


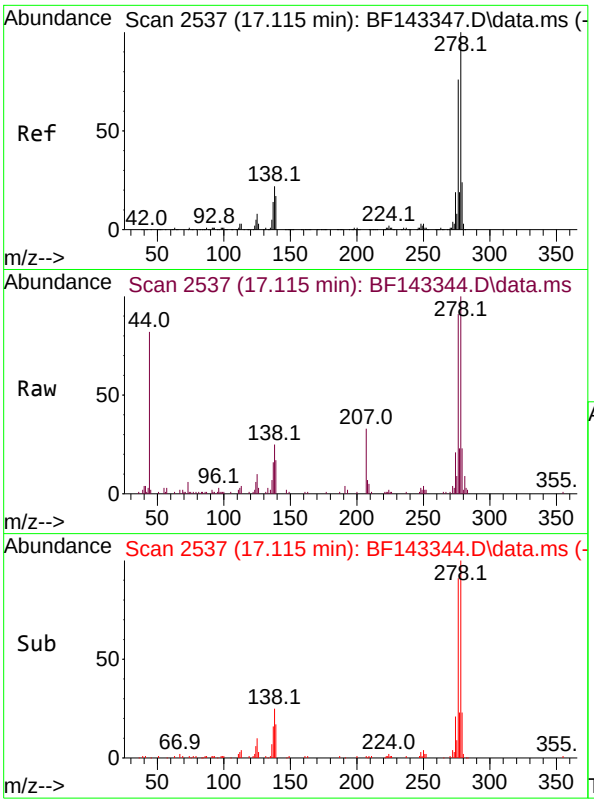


#90
Benzo(a)pyrene
Concen: 5.089 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:252 Resp: 66211

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.6	26.4
125	11.3	9.1	13.7



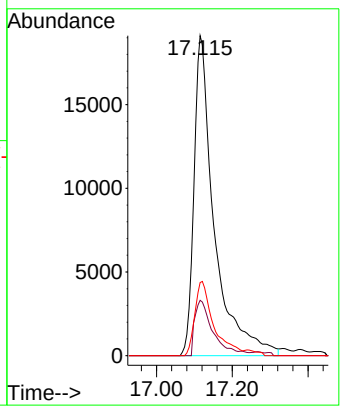


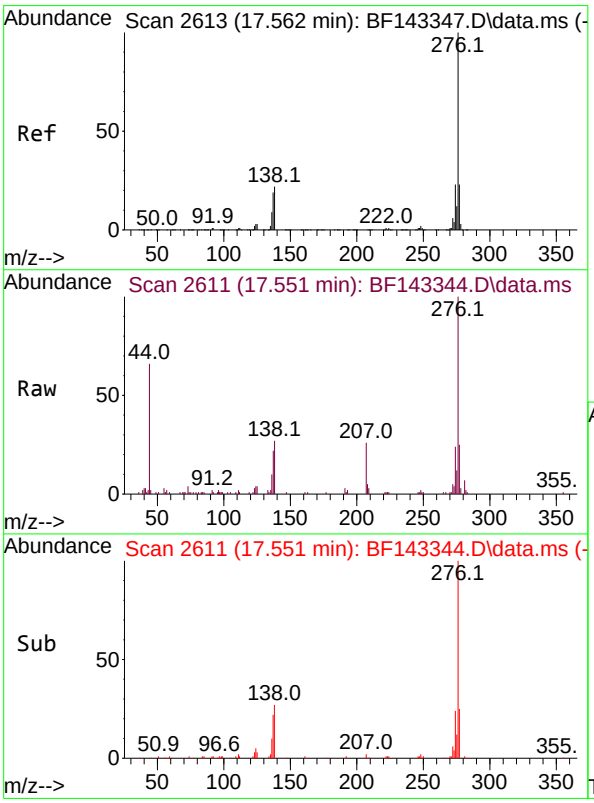
#91
Dibenzo(a,h)anthracene
Concen: 4.933 ng
RT: 17.115 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 71319

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	22.9	19.4	29.0

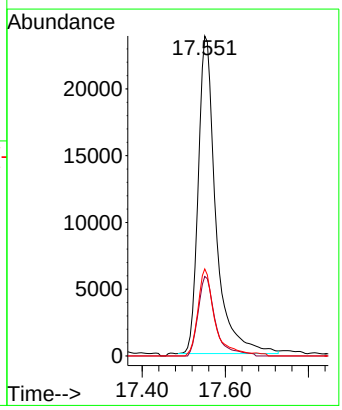




#92
Benzo(g,h,i)perylene
Concen: 4.806 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143344.D
Acq: 12 Aug 2025 09:34

Tgt Ion:276 Resp: 69991

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.7	28.1
138	27.2	17.8	26.8#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.928	152	154882	20.000	ng		0.00
21) Naphthalene-d8	8.210	136	603685	20.000	ng		0.00
39) Acenaphthene-d10	9.963	164	326305	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	511556	20.000	ng		0.00
76) Chrysene-d12	14.086	240	288804	20.000	ng		0.00
86) Perylene-d12	15.580	264	252284	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.557	112	181196	20.231	ng		0.00
7) Phenol-d6	6.551	99	233168	20.301	ng		-0.01
23) Nitrobenzene-d5	7.481	82	183453	18.924	ng		-0.01
42) 2,4,6-Tribromophenol	10.751	330	41296	17.317	ng		0.00
45) 2-Fluorobiphenyl	9.280	172	434554	22.583	ng		0.00
79) Terphenyl-d14	13.027	244	388588	24.022	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.769	88	45069	9.724	ng		99
3) Pyridine	3.546	79	121796	9.862	ng		98
4) n-Nitrosodimethylamine	3.463	42	53152	9.239	ng		95
6) Aniline	6.587	93	165629	10.229	ng		98
8) 2-Chlorophenol	6.716	128	94079	9.830	ng		97
9) Benzaldehyde	6.481	77	85899	11.315	ng		99
10) Phenol	6.569	94	138719	10.195	ng		94
11) bis(2-Chloroethyl)ether	6.657	93	100958	10.068	ng		99
12) 1,3-Dichlorobenzene	6.869	146	114502	10.373	ng		99
13) 1,4-Dichlorobenzene	6.945	146	116940	10.555	ng		97
14) 1,2-Dichlorobenzene	7.098	146	109638	10.425	ng		99
15) Benzyl Alcohol	7.063	79	75894	9.218	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	186451	10.414	ng		96
17) 2-Methylphenol	7.175	107	80378	9.950	ng		99
18) Hexachloroethane	7.445	117	33555	9.660	ng		98
19) n-Nitroso-di-n-propyla...	7.328	70	72922	10.275	ng		95
20) 3+4-Methylphenols	7.328	107	103058	10.548	ng	#	85
22) Acetophenone	7.328	105	144189	10.840	ng		98
24) Nitrobenzene	7.504	77	99226	9.425	ng		98
25) Isophorone	7.739	82	199699	10.091	ng		98
26) 2-Nitrophenol	7.822	139	25672	9.265	ng		98
27) 2,4-Dimethylphenol	7.857	122	78873	9.553	ng		98
28) bis(2-Chloroethoxy)met...	7.951	93	123627	10.232	ng		99
29) 2,4-Dichlorophenol	8.069	162	77156	9.568	ng		98
30) 1,2,4-Trichlorobenzene	8.151	180	87392	10.274	ng		98
31) Naphthalene	8.233	128	308901	10.634	ng		98
32) Benzoic acid	7.939	122	20894m	10.319	ng		
33) 4-Chloroaniline	8.275	127	105601	10.079	ng		99
34) Hexachlorobutadiene	8.351	225	54615	10.321	ng		99
35) Caprolactam	8.610	113	18357	8.098	ng		93
36) 4-Chloro-3-methylphenol	8.757	107	82681	9.780	ng		96
37) 2-Methylnaphthalene	8.922	142	203203	10.641	ng		100
38) 1-Methylnaphthalene	9.022	142	197497	10.738	ng		100
40) 1,2,4,5-Tetrachloroben...	9.086	216	92307	10.338	ng		99
41) Hexachlorocyclopentadiene	9.081	237	14343	10.801	ng		100
43) 2,4,6-Trichlorophenol	9.198	196	44424	8.769	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	50263	8.786	ng	98
46) 1,1'-Biphenyl	9.380	154	245641	10.647	ng	99
47) 2-Chloronaphthalene	9.410	162	191809	10.556	ng	98
48) 2-Nitroaniline	9.498	65	36444	9.319	ng	93
49) Acenaphthylene	9.822	152	274441	10.459	ng	99
50) Dimethylphthalate	9.675	163	192210	10.081	ng	100
51) 2,6-Dinitrotoluene	9.733	165	24005	9.205	ng	88
52) Acenaphthene	9.998	154	183915	10.543	ng	100
53) 3-Nitroaniline	9.904	138	31507	8.069	ng	92
54) 2,4-Dinitrophenol	10.022	184	4834	10.356	ng	92
55) Dibenzofuran	10.169	168	267653	10.660	ng	99
56) 4-Nitrophenol	10.075	139	15708	10.166	ng	92
57) 2,4-Dinitrotoluene	10.139	165	31226	9.126	ng	91
58) Fluorene	10.510	166	210161	10.959	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.286	232	30681	7.955	ng	98
60) Diethylphthalate	10.375	149	173119	10.137	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	97989	10.575	ng	99
62) 4-Nitroaniline	10.516	138	32919	8.714	ng	97
63) Azobenzene	10.657	77	200367	10.272	ng	99
65) 4,6-Dinitro-2-methylph...	10.551	198	9325	11.085	ng	92
66) n-Nitrosodiphenylamine	10.616	169	171289	10.169	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	56818	9.712	ng	97
68) Hexachlorobenzene	11.063	284	63639	10.091	ng	99
69) Atrazine	11.139	200	40124	9.133	ng	100
70) Pentachlorophenol	11.257	266	14951	10.407	ng	94
71) Phenanthrene	11.474	178	296410	10.620	ng	98
72) Anthracene	11.527	178	298872	10.559	ng	99
73) Carbazole	11.674	167	255831	10.613	ng	100
74) Di-n-butylphthalate	12.004	149	189069	9.269	ng	99
75) Fluoranthene	12.663	202	269569	11.026	ng	99
77) Benzidine	12.780	184	78152	9.898	ng	100
78) Pyrene	12.892	202	283403	11.697	ng	98
80) Butylbenzylphthalate	13.504	149	30088	9.196	ng	99
81) Benzo(a)anthracene	14.074	228	176759	9.629	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	36804	7.425	ng	98
83) Chrysene	14.110	228	180427	10.541	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	39945	9.191	ng	100
85) Di-n-octyl phthalate	14.674	149	78702	10.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	183505	10.153	ng	99
88) Benzo(b)fluoranthene	15.139	252	129605	9.392	ng	99
89) Benzo(k)fluoranthene	15.168	252	136296	10.165	ng	98
90) Benzo(a)pyrene	15.515	252	127540	9.814	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	146537	10.148	ng	98
92) Benzo(g,h,i)perylene	17.551	276	150383	10.338	ng	100

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

ICAL Form

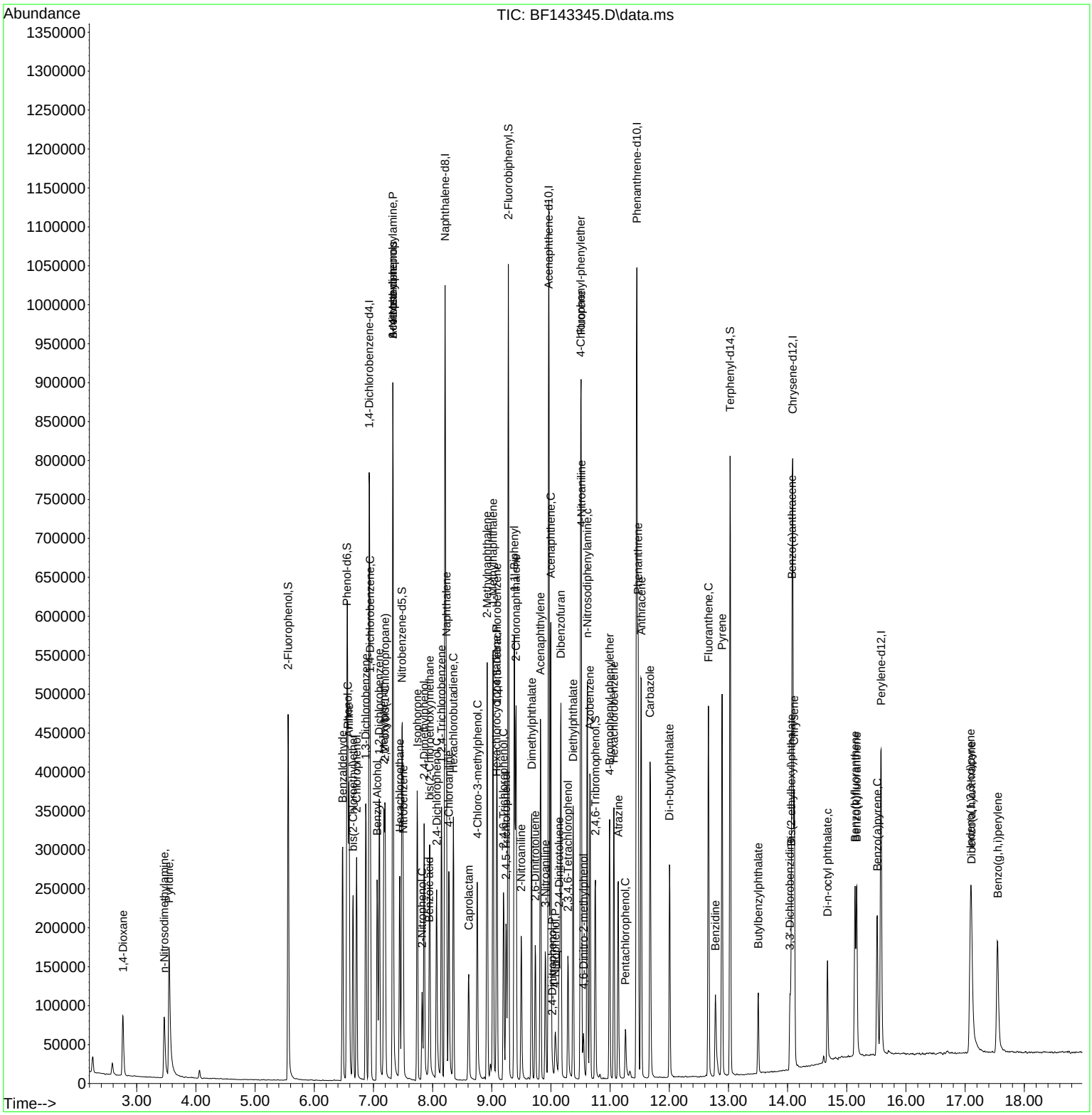
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143345.D
Acq On : 12 Aug 2025 10:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

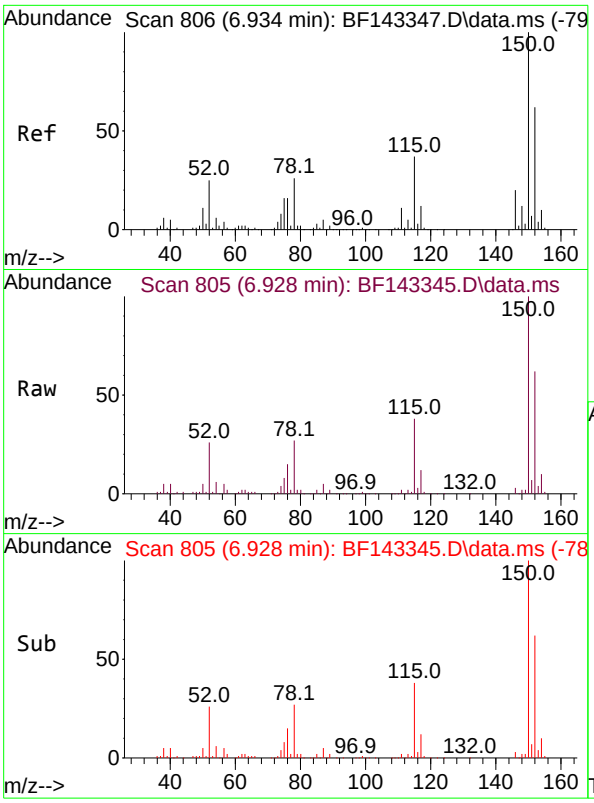
Quant Time: Aug 12 13:17:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

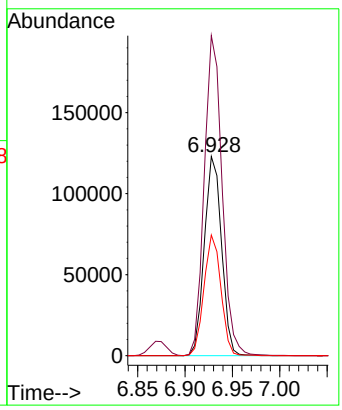




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:152 Resp: 15488

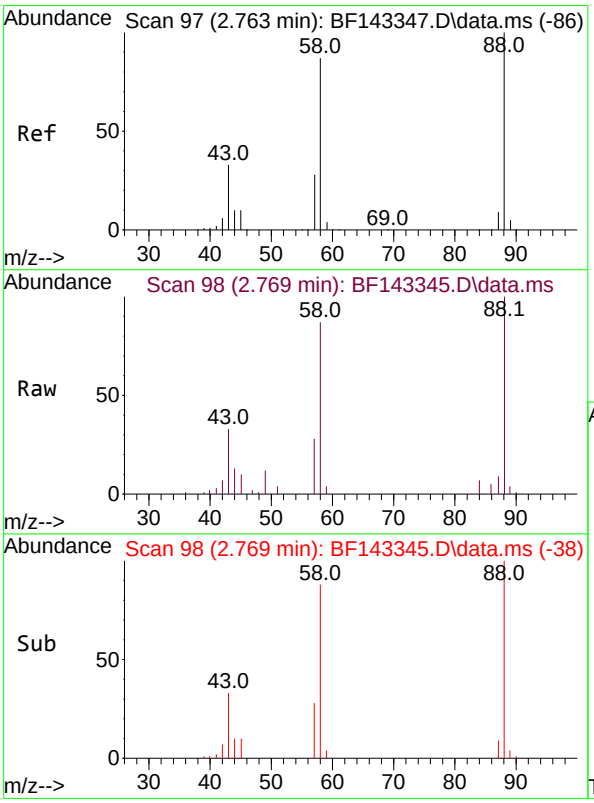
Ion	Ratio	Lower	Upper
152	100		
150	160.6	129.8	194.8
115	60.6	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

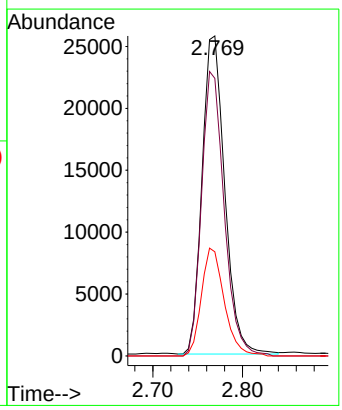
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

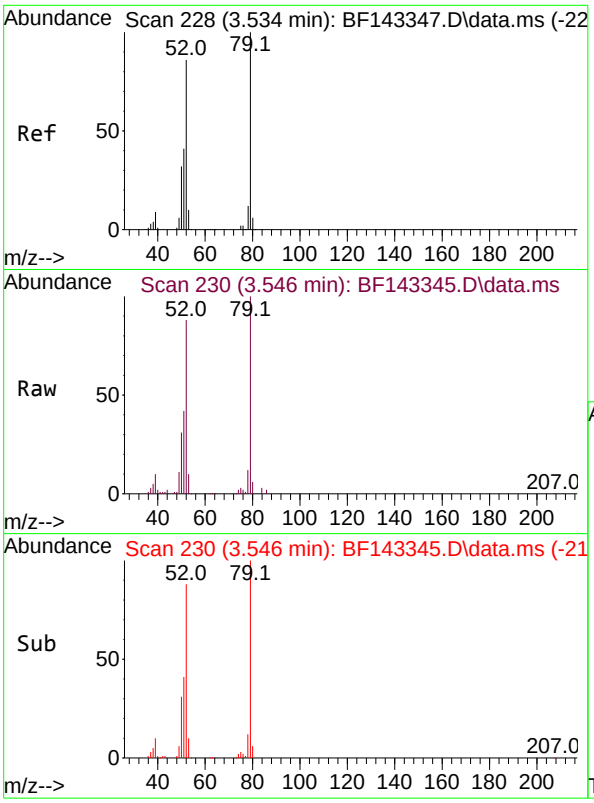


#2
1,4-Dioxane
Concen: 9.724 ng
RT: 2.769 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 88 Resp: 45069

Ion	Ratio	Lower	Upper
88	100		
58	89.2	71.0	106.6
43	34.2	27.0	40.6

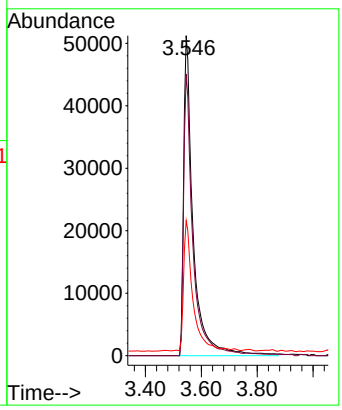




#3
Pyridine
Concen: 9.862 ng
RT: 3.546 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 79 Resp: 12179

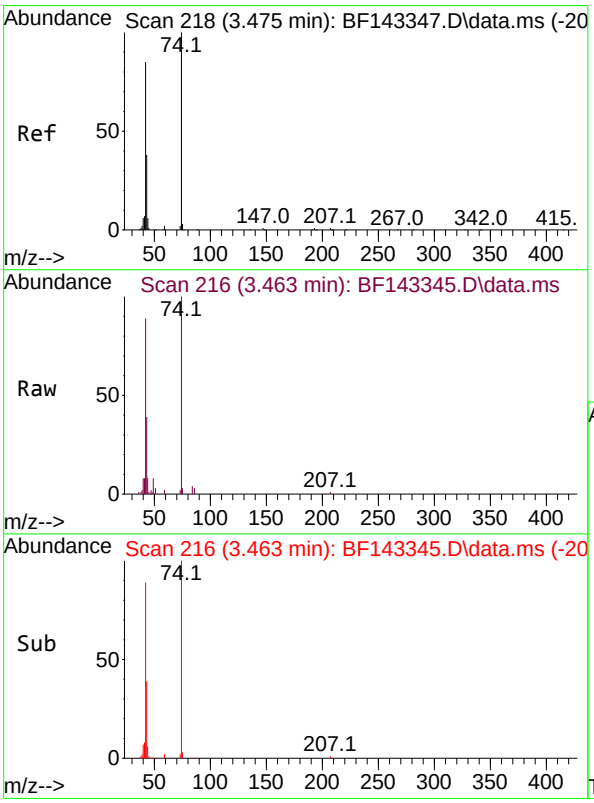
Ion	Ratio	Lower	Upper
79	100		
52	88.0	68.7	103.1
51	42.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

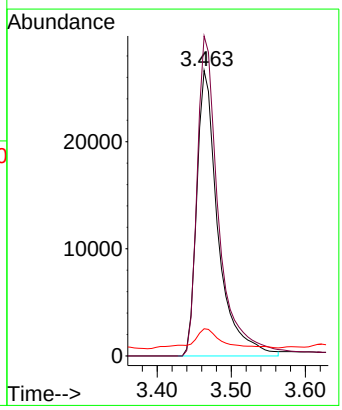
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

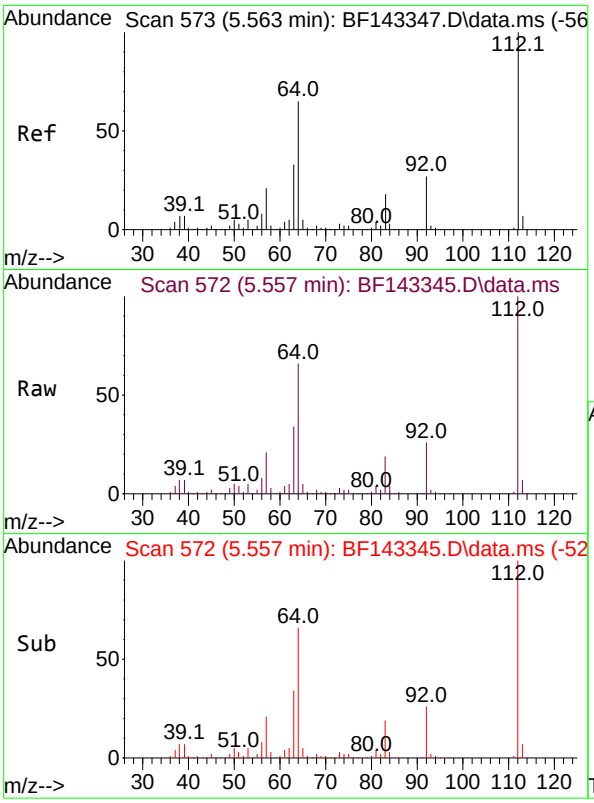


#4
n-Nitrosodimethylamine
Concen: 9.239 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 42 Resp: 53152

Ion	Ratio	Lower	Upper
42	100		
74	112.1	94.1	141.1
44	9.5	6.5	9.7

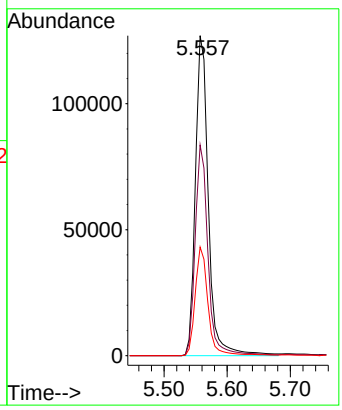




#5
2-Fluorophenol
Concen: 20.231 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:112 Resp: 18119

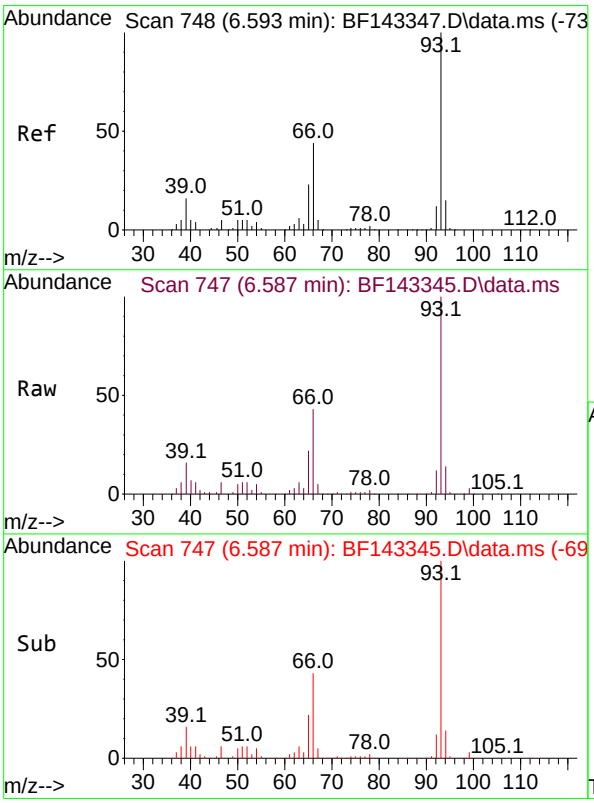
Ion	Ratio	Lower	Upper
112	100		
64	65.8	52.1	78.1
63	33.9	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

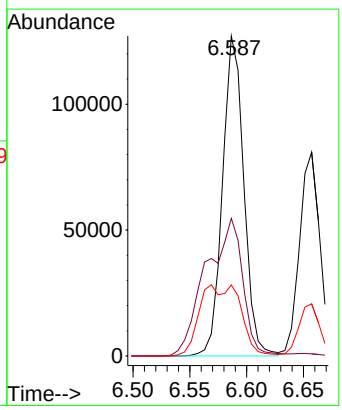
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

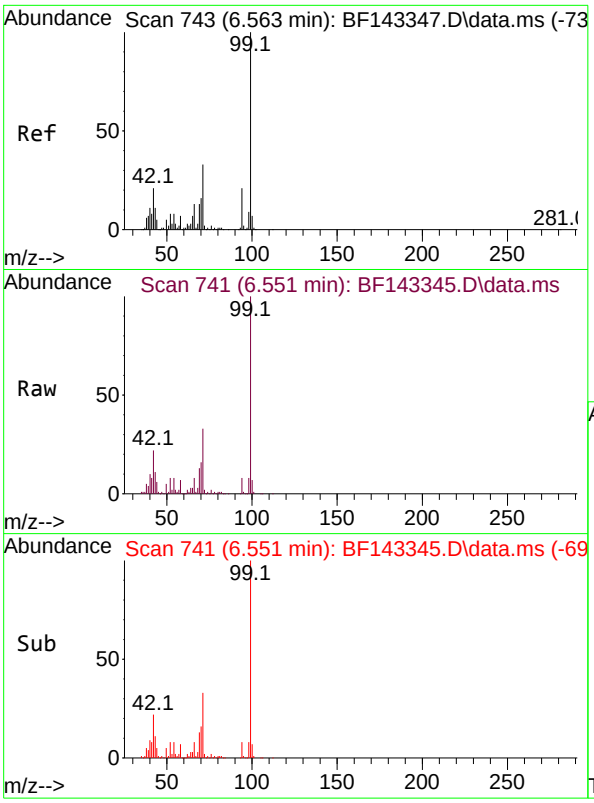


#6
Aniline
Concen: 10.229 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 165629

Ion	Ratio	Lower	Upper
93	100		
66	43.0	35.3	52.9
65	22.2	18.2	27.4

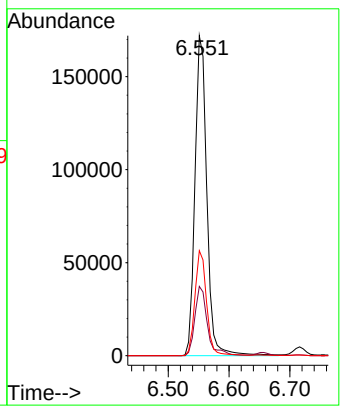




#7
Phenol-d6
Concen: 20.301 ng
RT: 6.551 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 99 Resp: 23316

Ion	Ratio	Lower	Upper
99	100		
42	21.7	16.6	25.0
71	32.8	26.2	39.2



Instrument :
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ClientSampleId :
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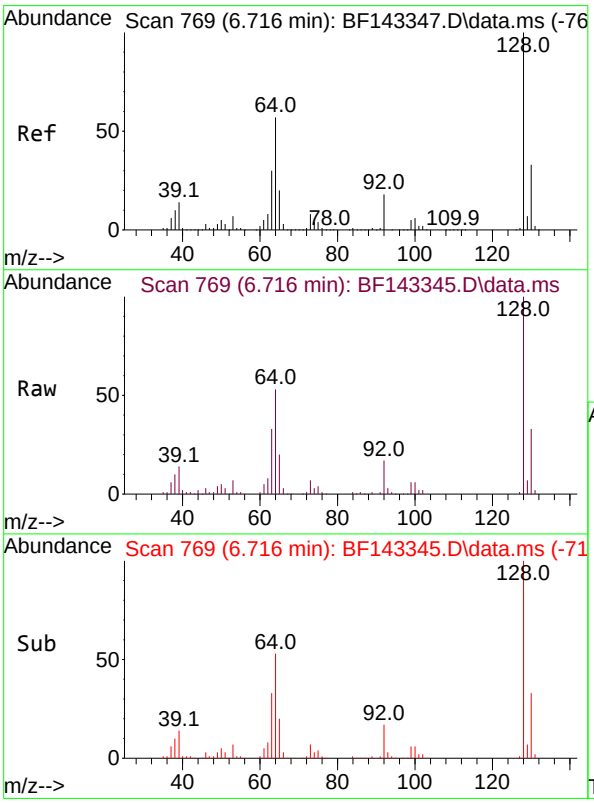
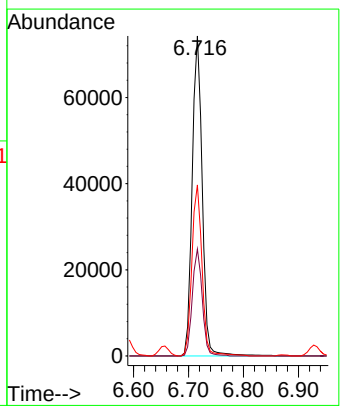
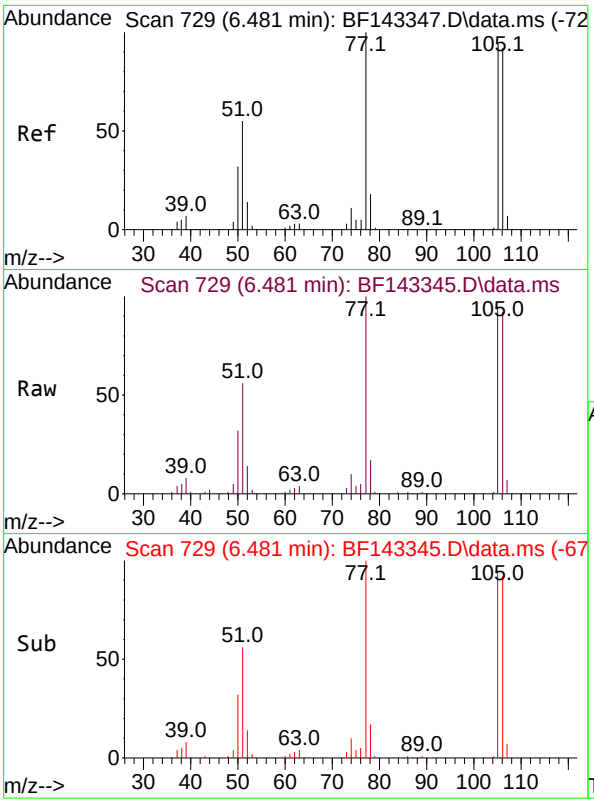


#8
2-Chlorophenol
Concen: 9.830 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:128 Resp: 94079

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.6	52.6
64	53.4	36.7	76.7

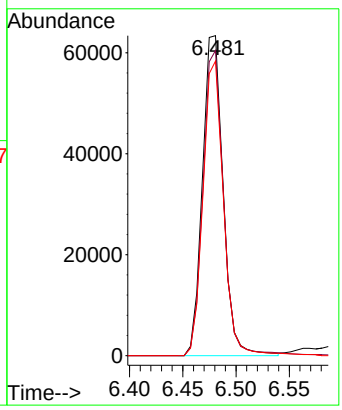




#9
Benzaldehyde
Concen: 11.315 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 8589

Ion	Ratio	Lower	Upper
77	100		
105	95.4	74.2	114.2
106	92.0	72.2	112.2



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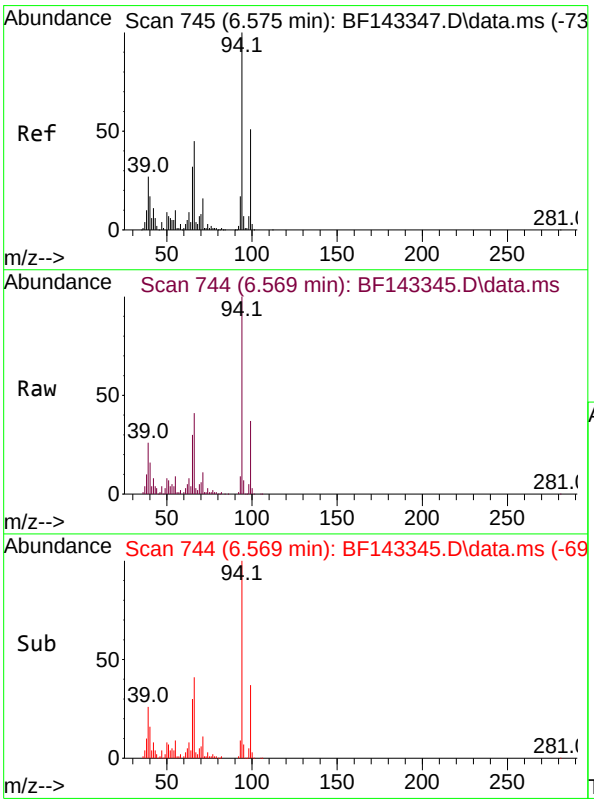
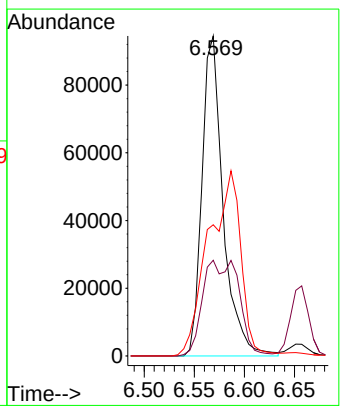
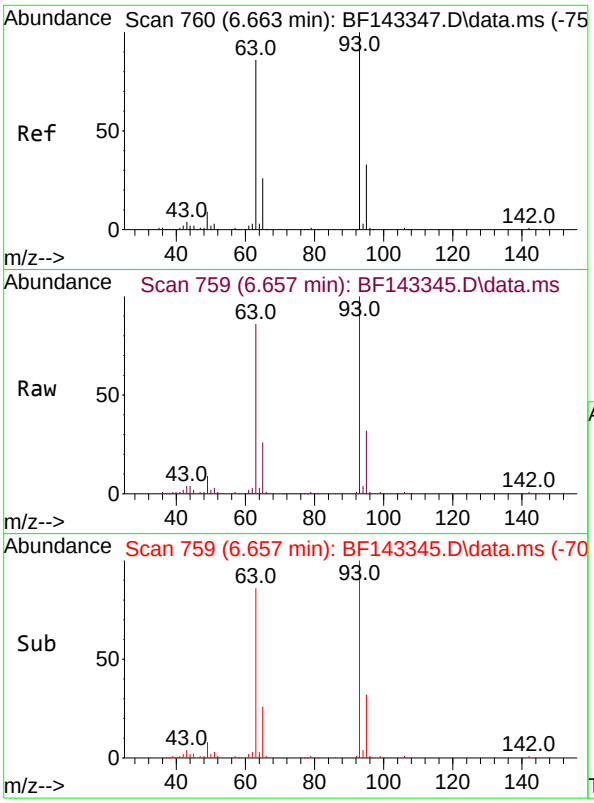


#10
Phenol
Concen: 10.195 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 94 Resp: 138719

Ion	Ratio	Lower	Upper
94	100		
65	29.9	12.0	52.0
66	41.0	25.6	65.6





#11
bis(2-Chloroethyl)ether
Concen: 10.068 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 10095

Ion	Ratio	Lower	Upper
93	100		
63	85.8	65.7	105.7
95	31.8	13.0	53.0

Instrument :
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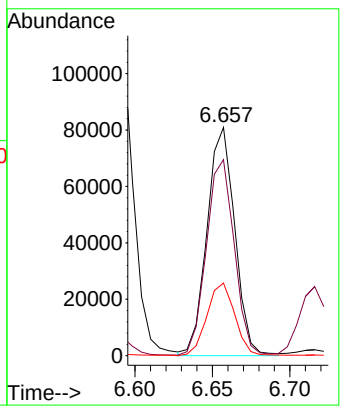
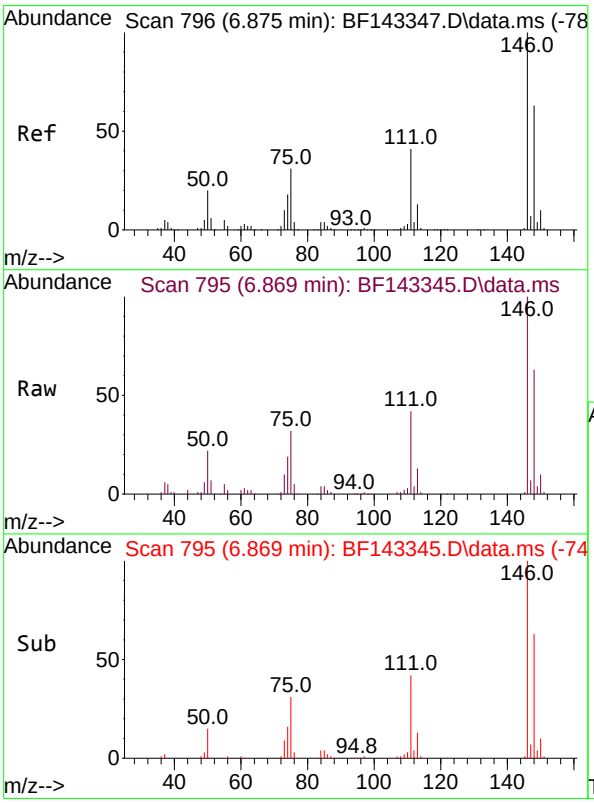
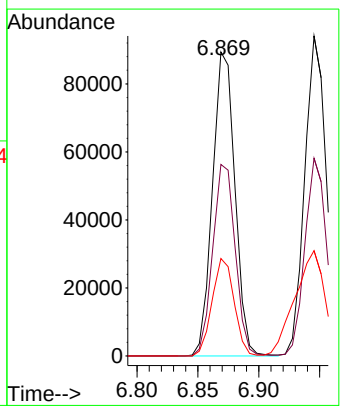


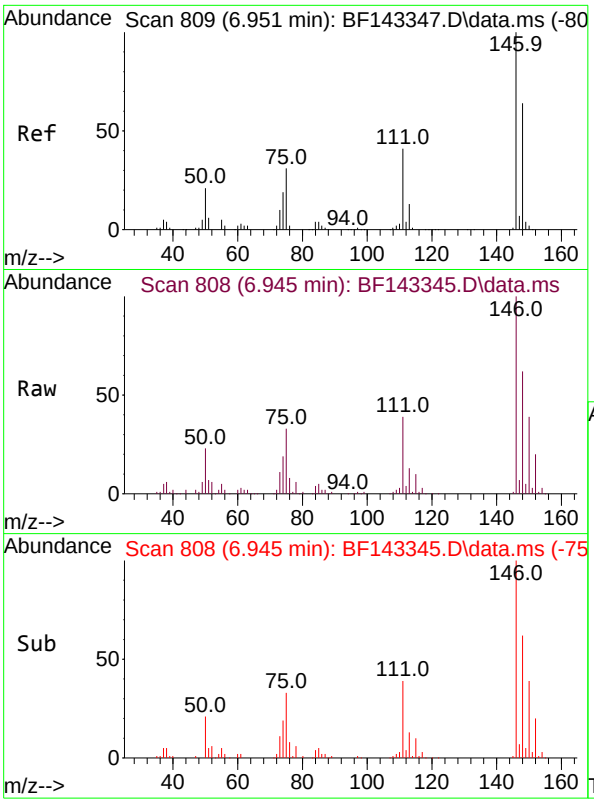


#12
1,3-Dichlorobenzene
Concen: 10.373 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 114502

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
75	32.1	24.9	37.3

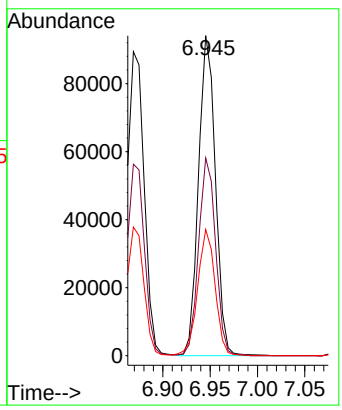




#13
1,4-Dichlorobenzene
Concen: 10.555 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 11694

Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.4	77.0
111	39.4	32.6	48.8



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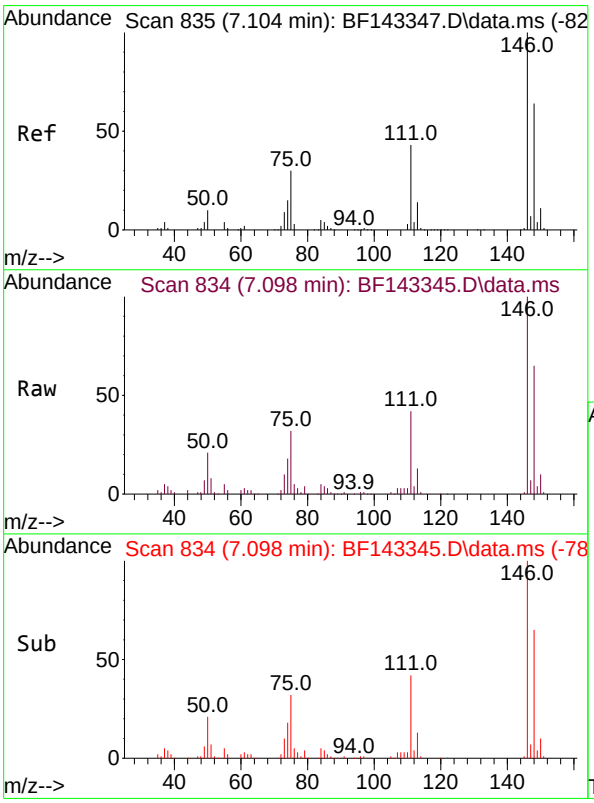
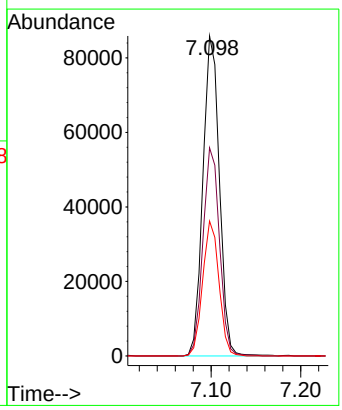
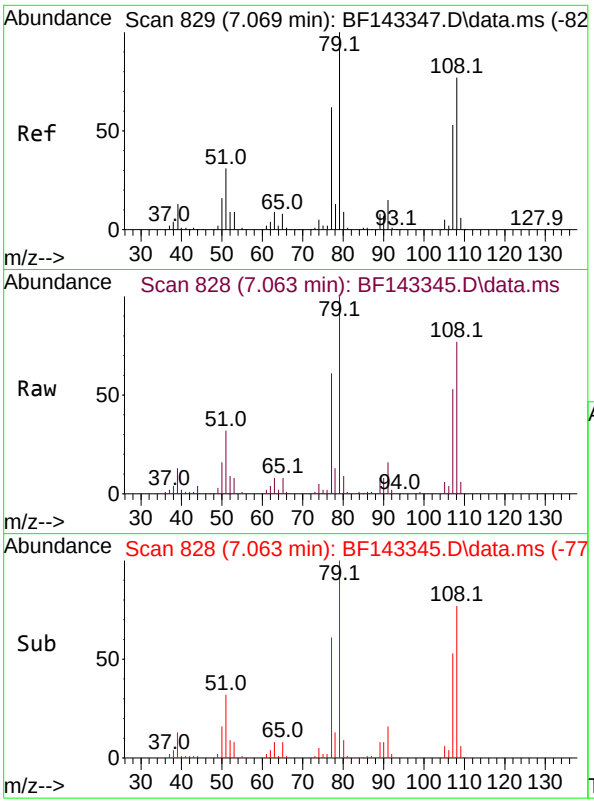


#14
1,2-Dichlorobenzene
Concen: 10.425 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:146 Resp: 109638

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	42.2	34.1	51.1

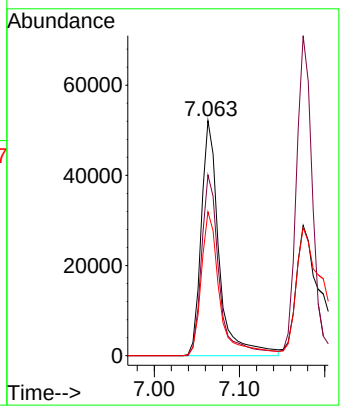




#15
Benzyl Alcohol
Concen: 9.218 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 79 Resp: 7589

Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.5	92.3
77	61.2	49.8	74.8



Instrument :
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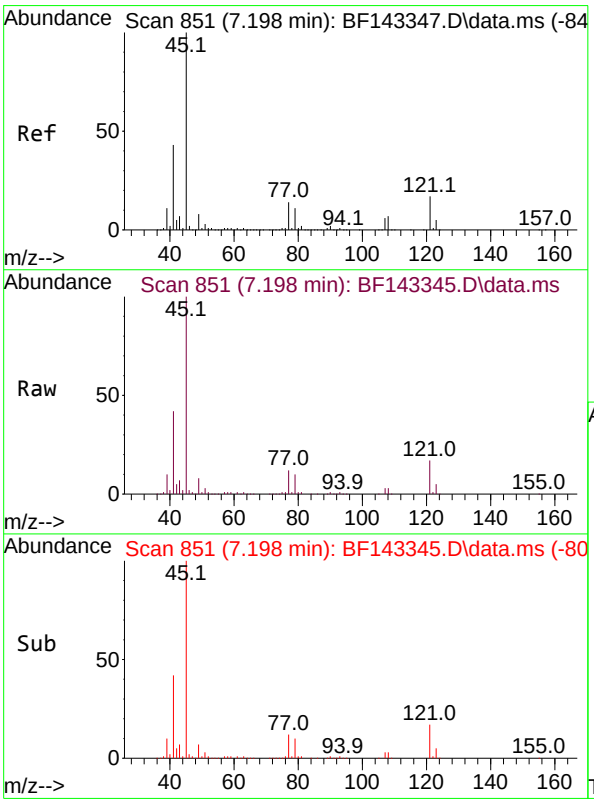
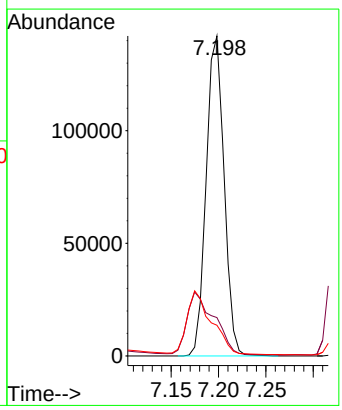
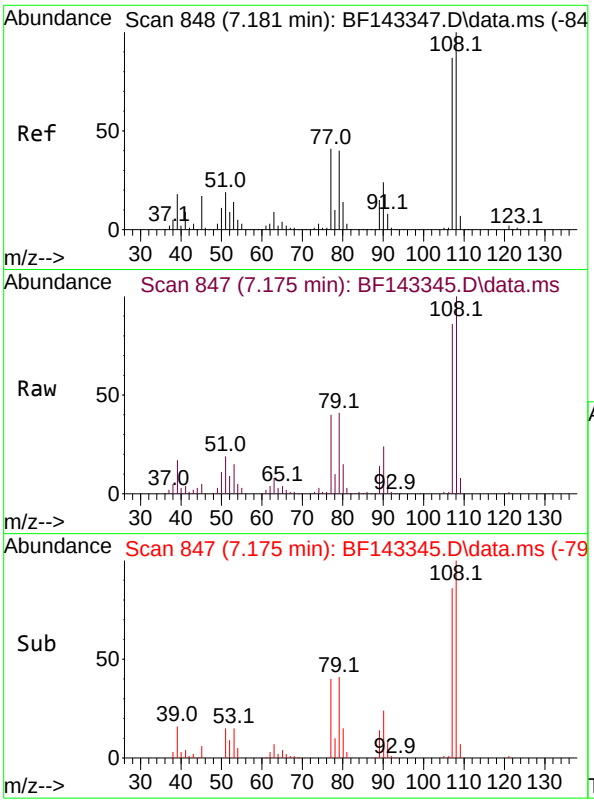


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.414 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 45 Resp: 186451

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	34.0
79	9.6	0.0	31.1

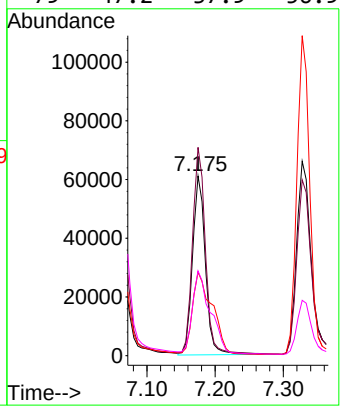




#17
2-Methylphenol
Concen: 9.950 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 8037

Ion	Ratio	Lower	Upper
107	100		
108	116.0	92.0	138.0
77	46.5	38.2	57.2
79	47.2	37.9	56.9



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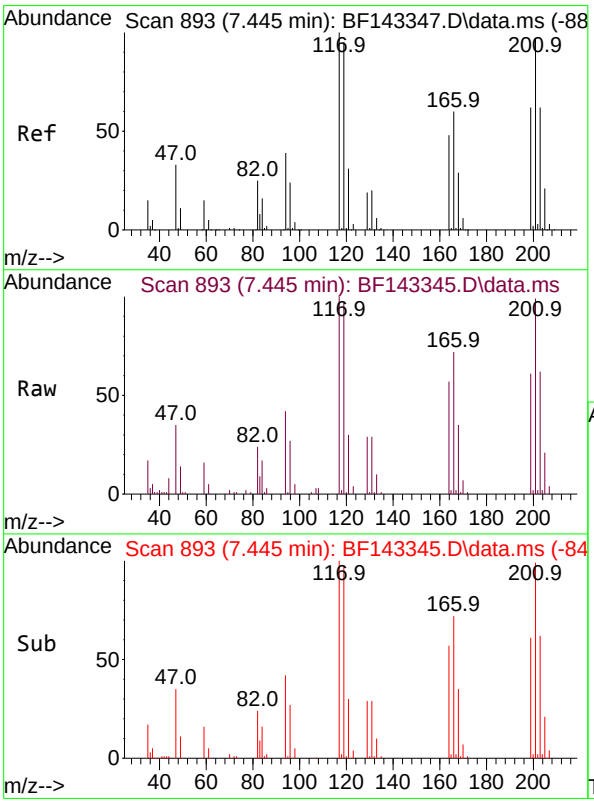
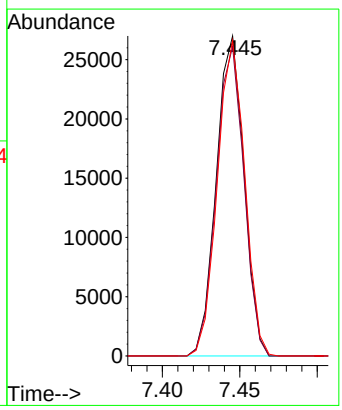
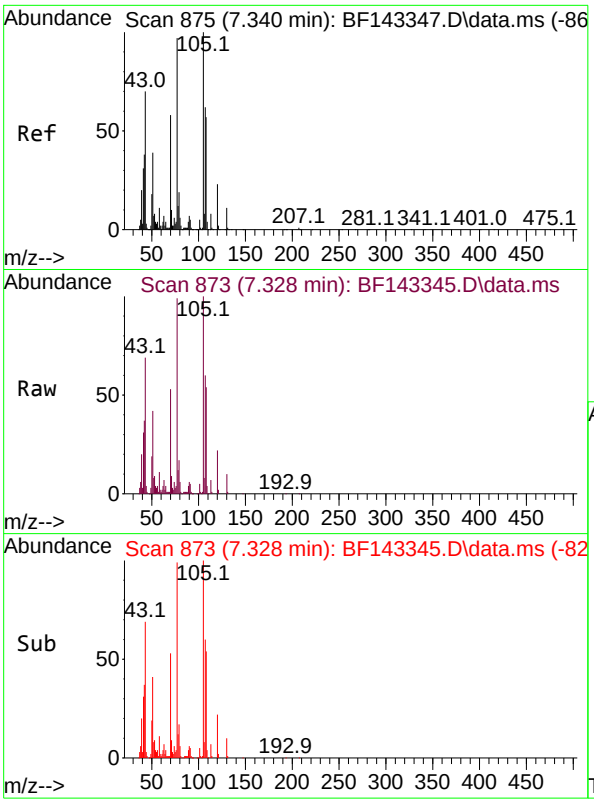


#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:117 Resp: 33555

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	98.6	77.2	115.8

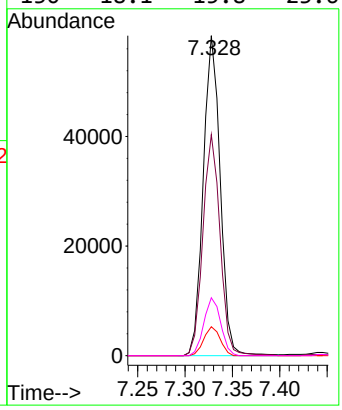




#19
n-Nitroso-di-n-propylamine
Concen: 10.275 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 70 Resp: 7292

Ion	Ratio	Lower	Upper
70	100		
42	69.0	51.6	77.4
101	9.1	7.5	11.3
130	18.1	15.8	23.6



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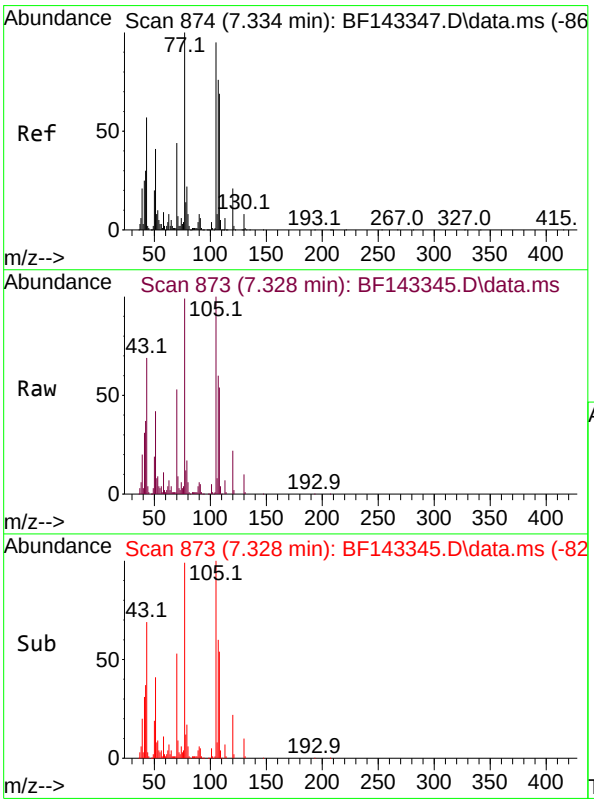
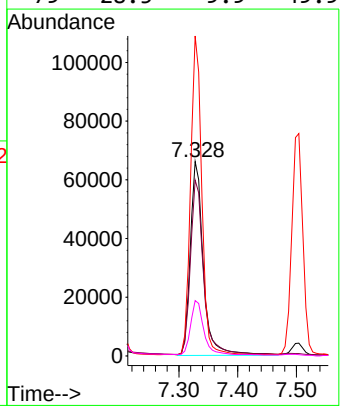
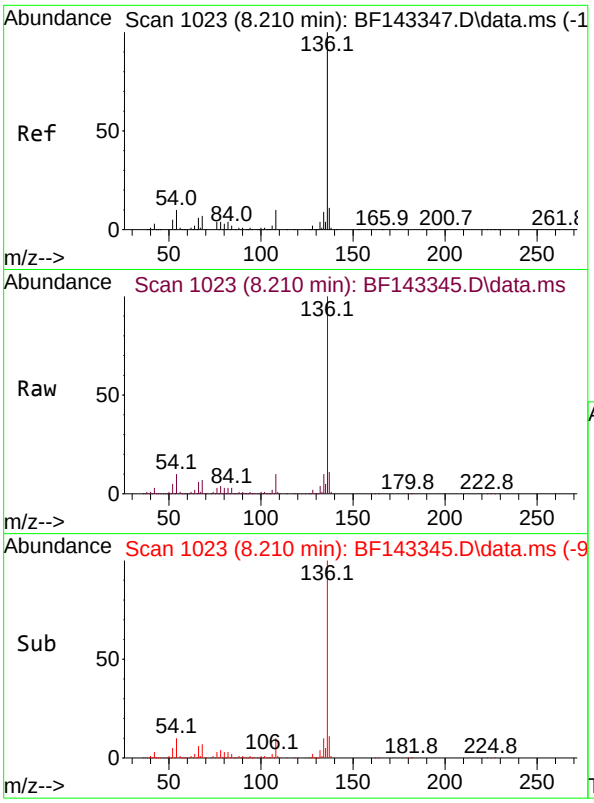


#20
3+4-Methylphenols
Concen: 10.548 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 103058

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.6	110.6
77	164.6	112.0	152.0#
79	28.5	9.9	49.9

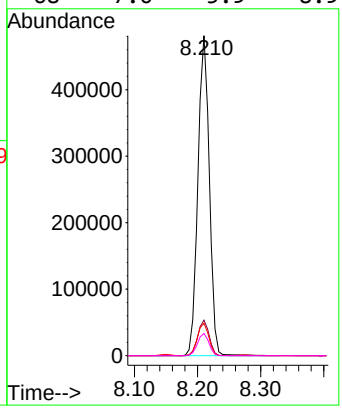




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:136 Resp: 60368

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.2	8.4	12.6
68	7.0	5.9	8.9



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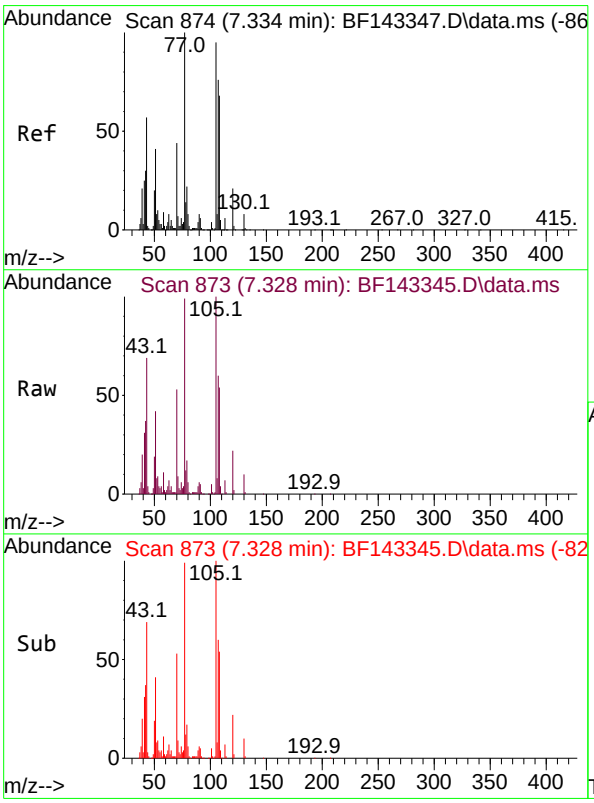
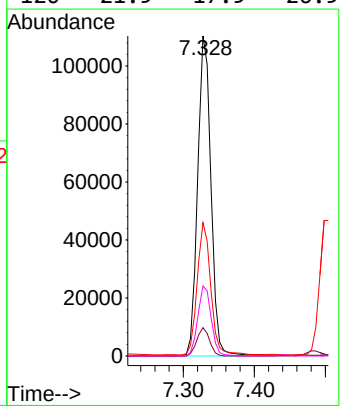
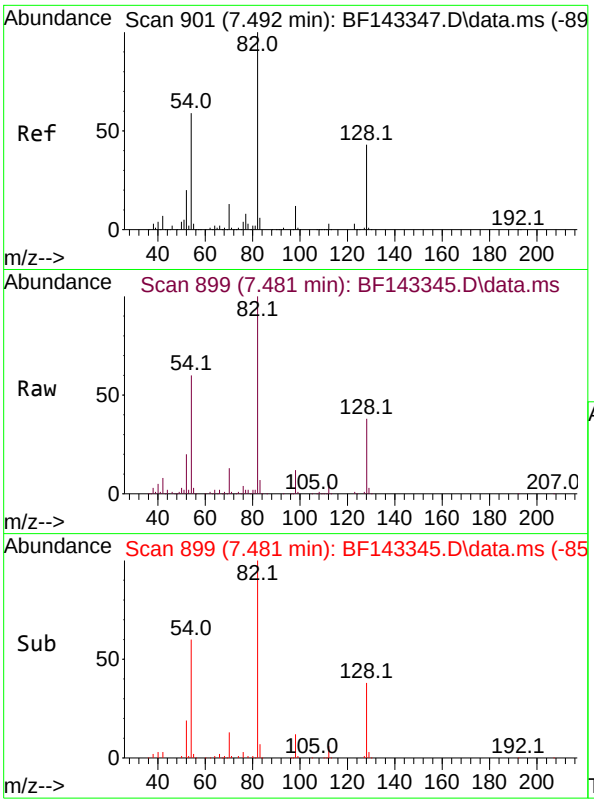


#22
Acetophenone
Concen: 10.840 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:105 Resp: 144189

Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	41.6	34.8	52.2
120	21.9	17.9	26.9

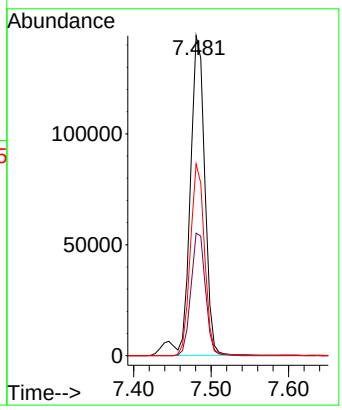




#23
Nitrobenzene-d5
Concen: 18.924 ng
RT: 7.481 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 82 Resp: 18345

Ion	Ratio	Lower	Upper
82	100		
128	38.3	33.5	50.3
54	60.0	46.7	70.1



Instrument :
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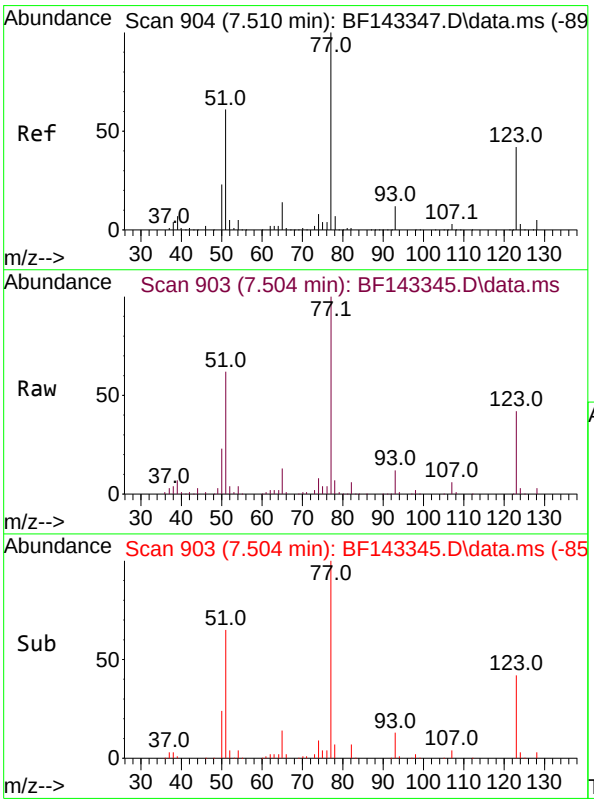
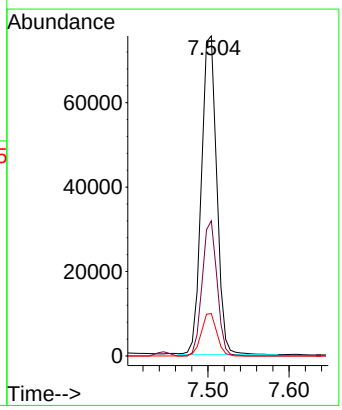
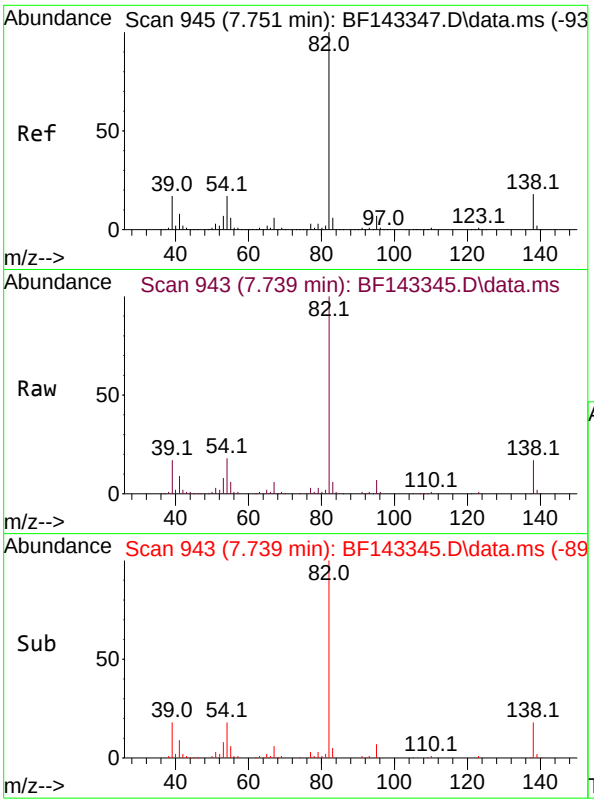


#24
Nitrobenzene
Concen: 9.425 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 99226

Ion	Ratio	Lower	Upper
77	100		
123	42.3	34.8	52.2
65	13.2	11.0	16.6

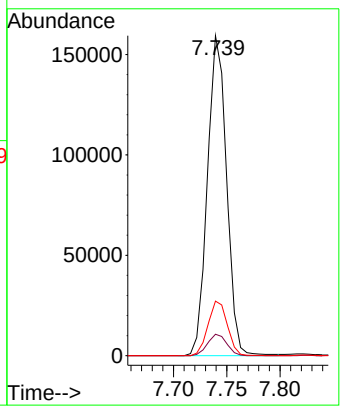




#25
Isophorone
Concen: 10.091 ng
RT: 7.739 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 82 Resp: 199699

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.1	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
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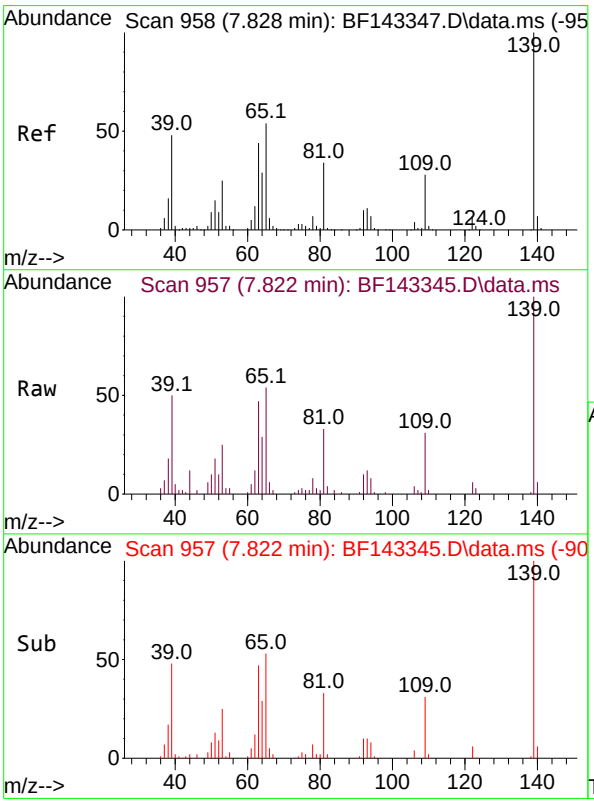
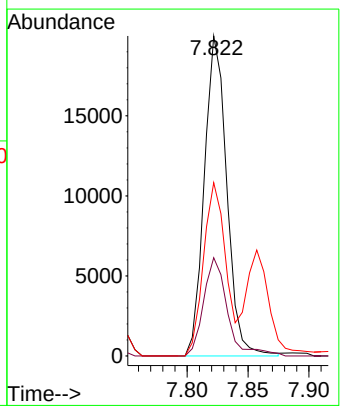
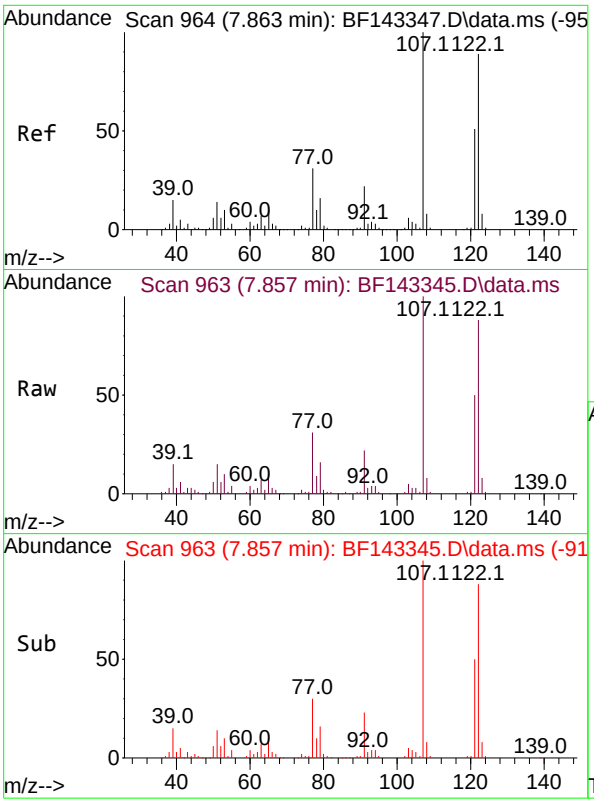


#26
2-Nitrophenol
Concen: 9.265 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 25672

Ion	Ratio	Lower	Upper
139	100		
109	30.7	22.4	33.6
65	54.1	42.9	64.3

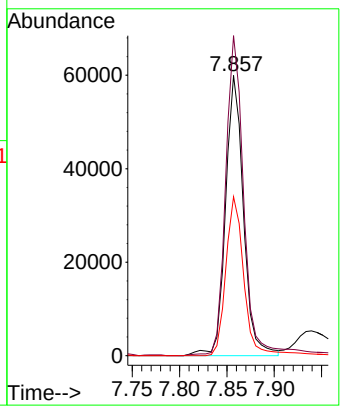




#27
2,4-Dimethylphenol
Concen: 9.553 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 7887

Ion	Ratio	Lower	Upper
122	100		
107	114.2	89.9	134.9
121	56.7	46.2	69.4



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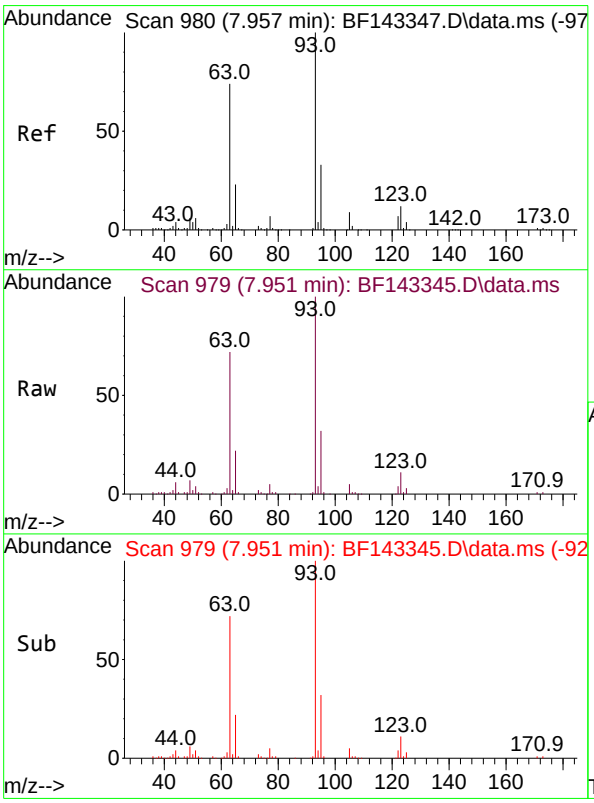
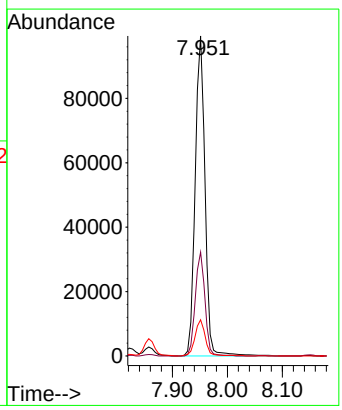
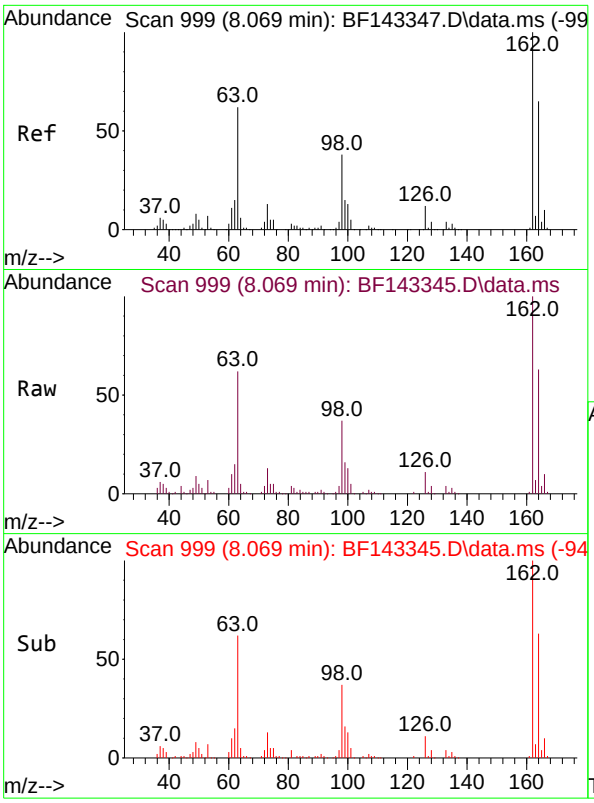


#28
bis(2-Chloroethoxy)methane
Concen: 10.232 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 93 Resp: 123627

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.3	9.4	14.2

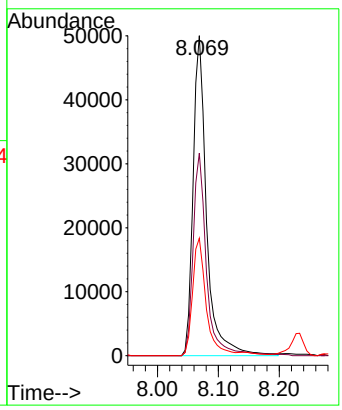




#29
2,4-Dichlorophenol
Concen: 9.568 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:162 Resp: 7715

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.5	84.5
98	36.7	17.7	57.7



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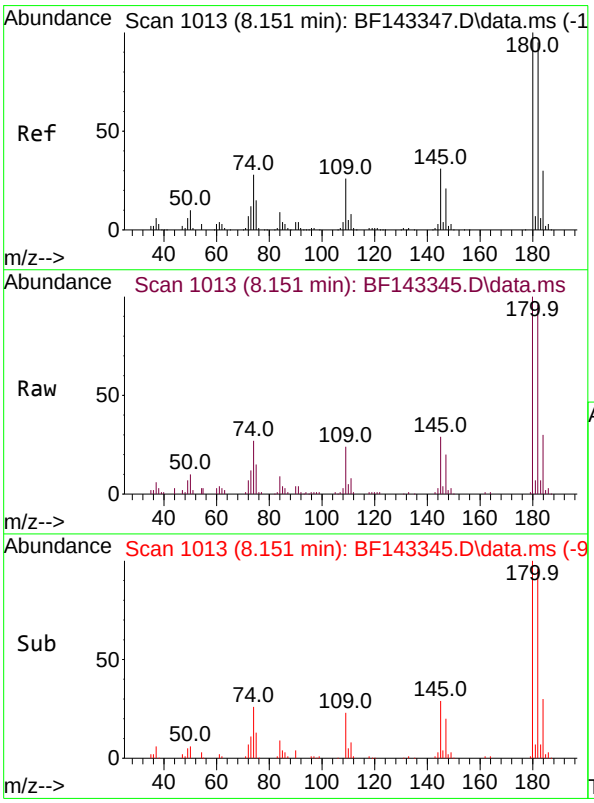
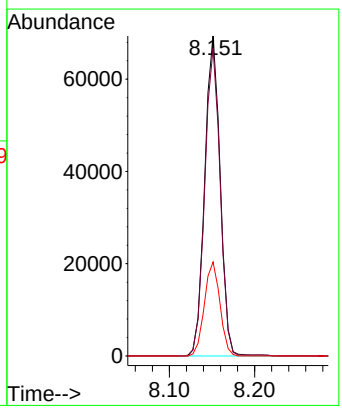
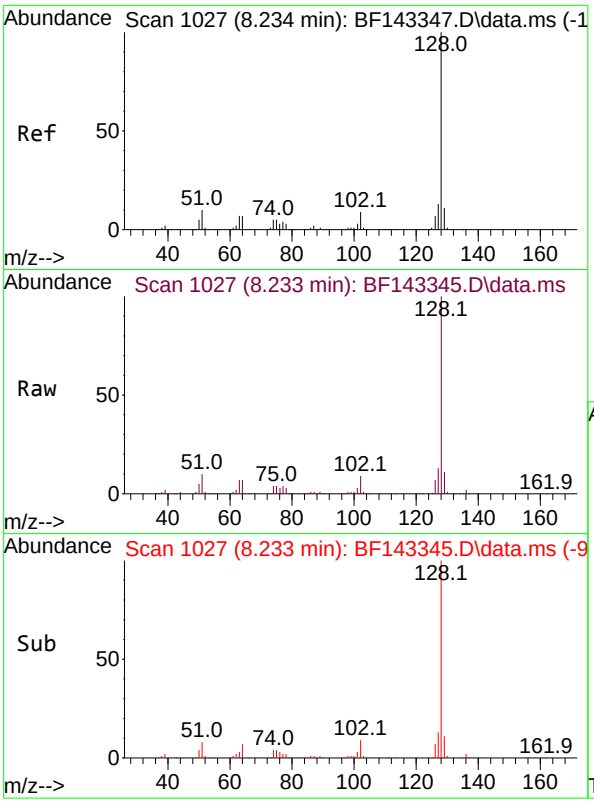


#30
1,2,4-Trichlorobenzene
Concen: 10.274 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:180 Resp: 87392

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	29.4	24.9	37.3

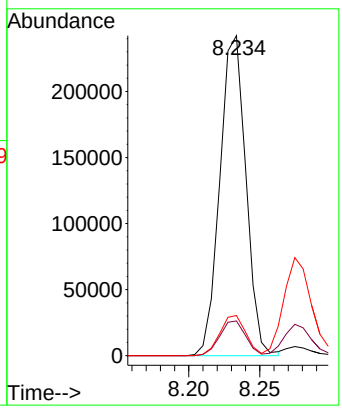




#31
Naphthalene
Concen: 10.634 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:128 Resp: 30890

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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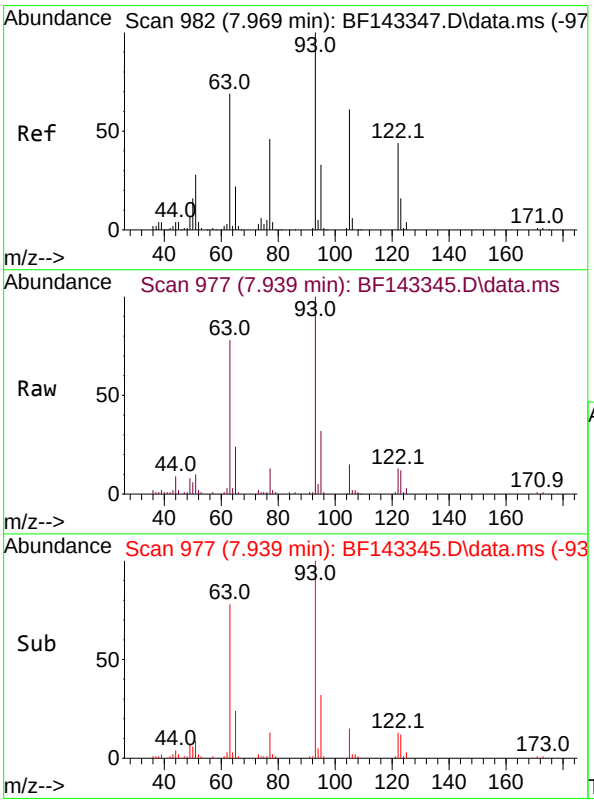
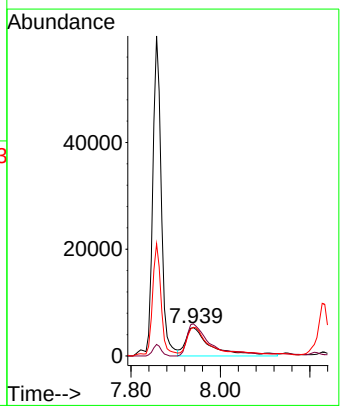
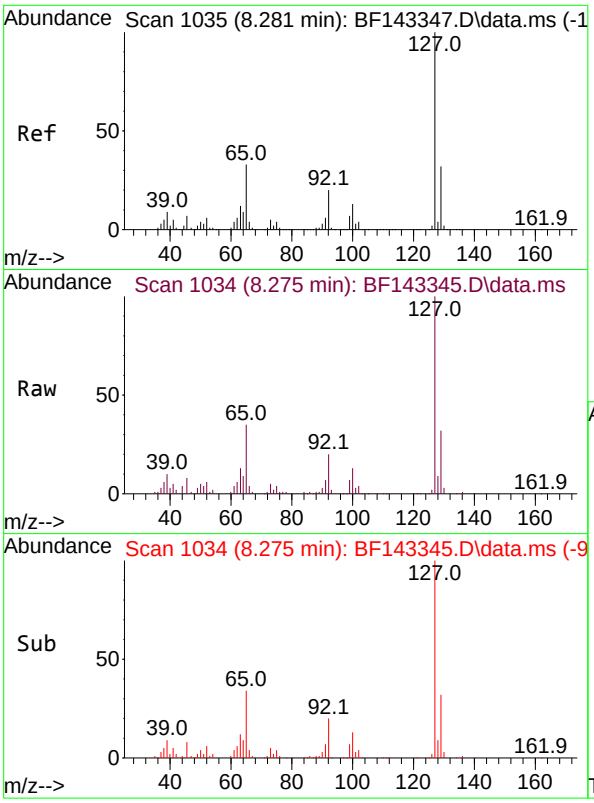


#32
Benzoic acid
Concen: 10.319 ng m
RT: 7.939 min Scan# 977
Delta R.T. -0.030 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:122 Resp: 20894

Ion	Ratio	Lower	Upper
122	100		
105	113.7	106.4	146.4
77	101.1	79.2	119.2

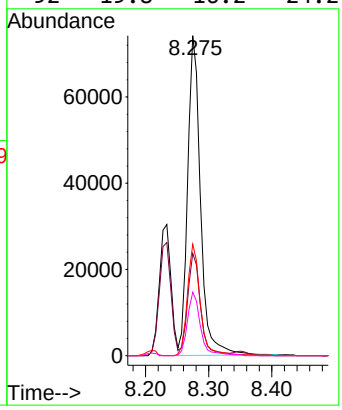




#33
4-Chloroaniline
Concen: 10.079 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:127 Resp: 10560

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.8	27.0	40.4
92	19.8	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
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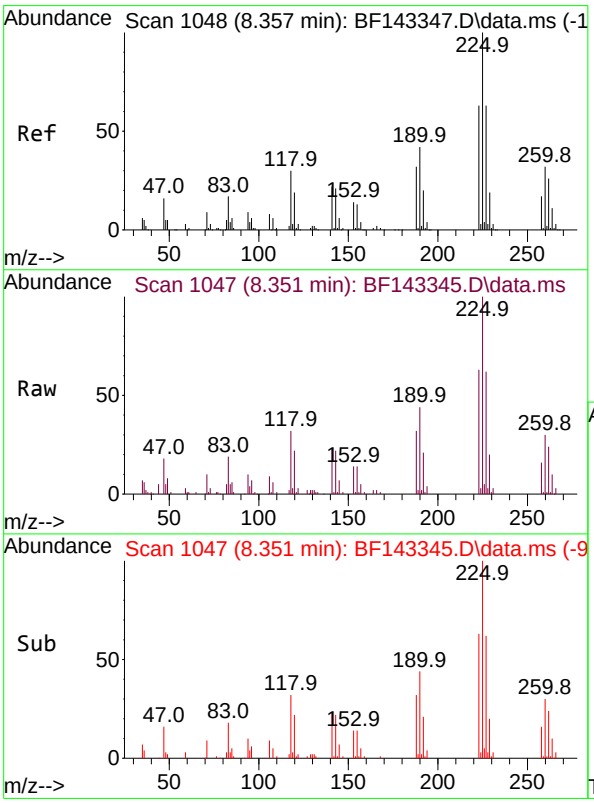
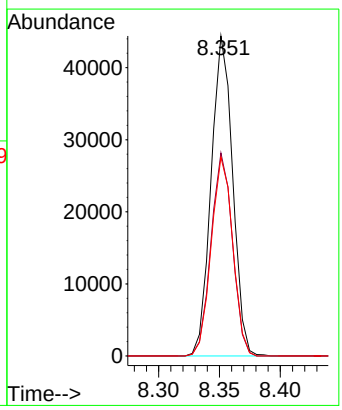
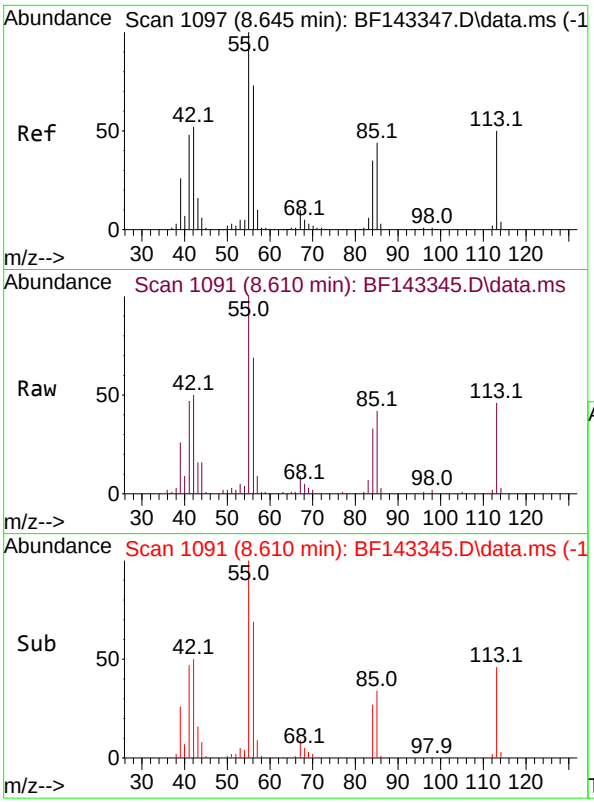


#34
Hexachlorobutadiene
Concen: 10.321 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:225 Resp: 54615

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.1	75.1
227	62.1	50.6	75.8

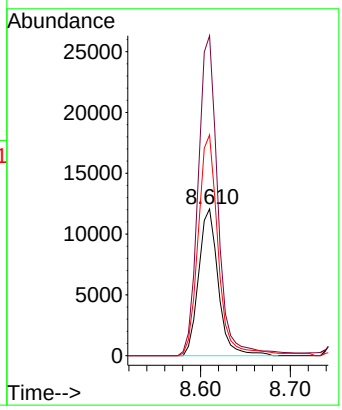




#35
Caprolactam
Concen: 8.098 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:113 Resp: 1835

Ion	Ratio	Lower	Upper
113	100		
55	218.1	181.4	221.4
56	150.5	127.3	167.3



Instrument :
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ClientSampleId :
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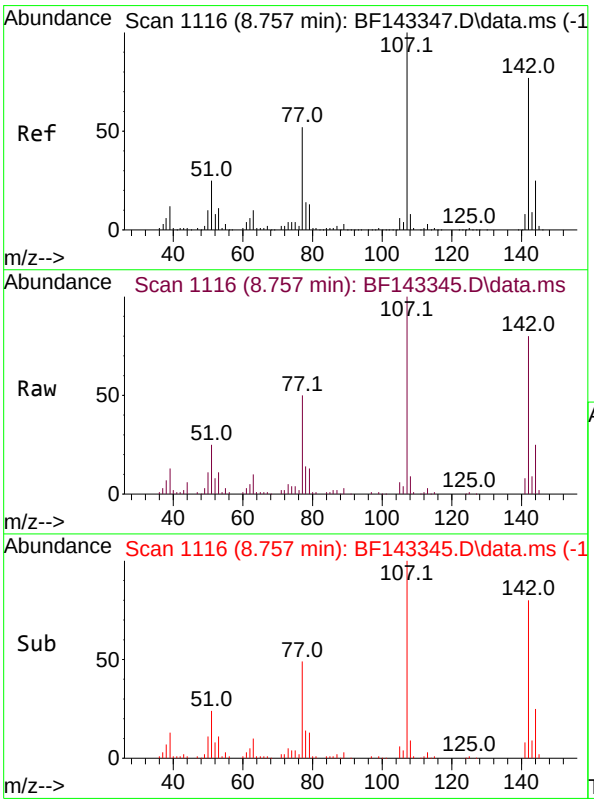
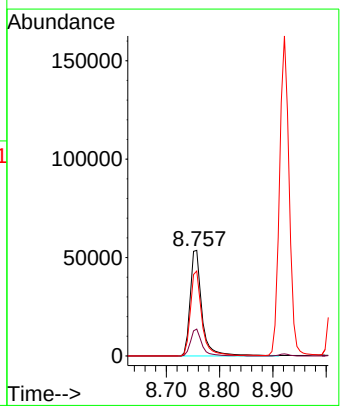
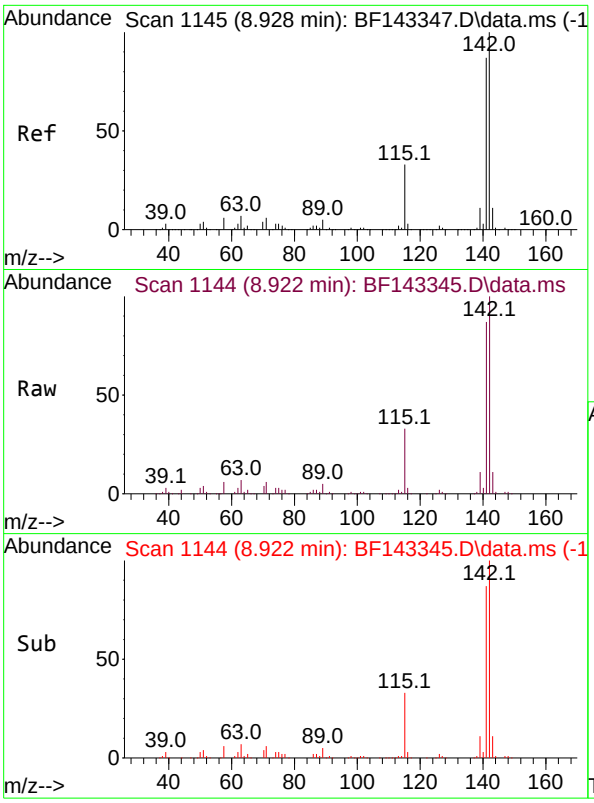


#36
4-Chloro-3-methylphenol
Concen: 9.780 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:107 Resp: 82681

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	80.4	61.3	91.9





#37
2-Methylnaphthalene
Concen: 10.641 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:142 Resp: 20320

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.8	104.8

Instrument :
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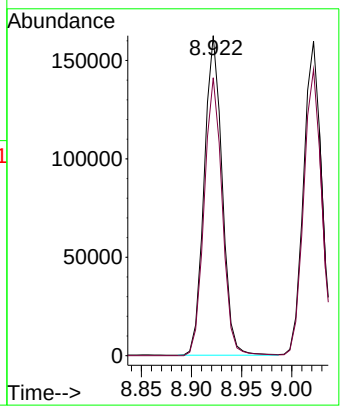
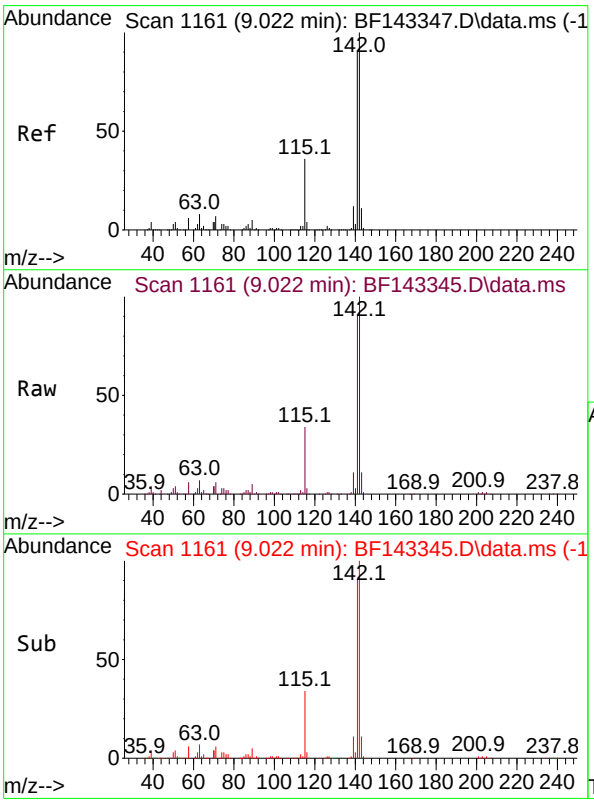
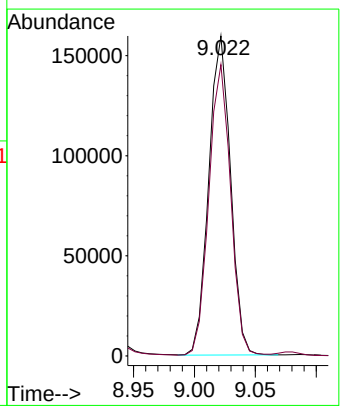


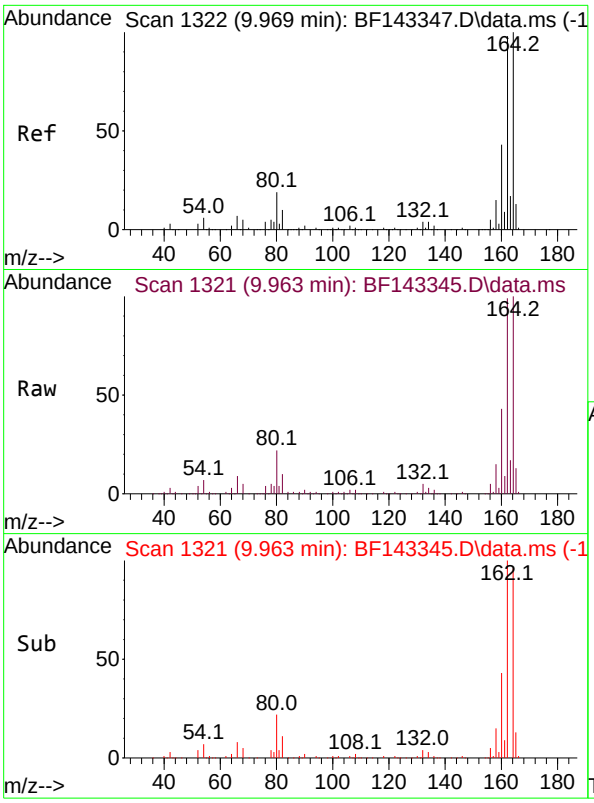


#38
1-Methylnaphthalene
Concen: 10.738 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:142 Resp: 197497

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.4

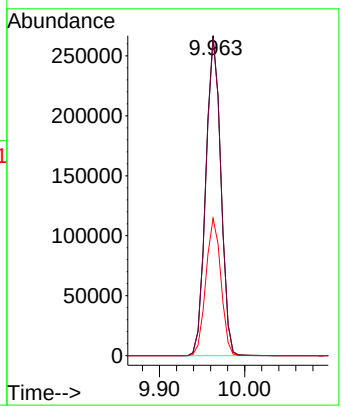




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:164 Resp: 32630

Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.6	118.0
160	42.9	34.4	51.6



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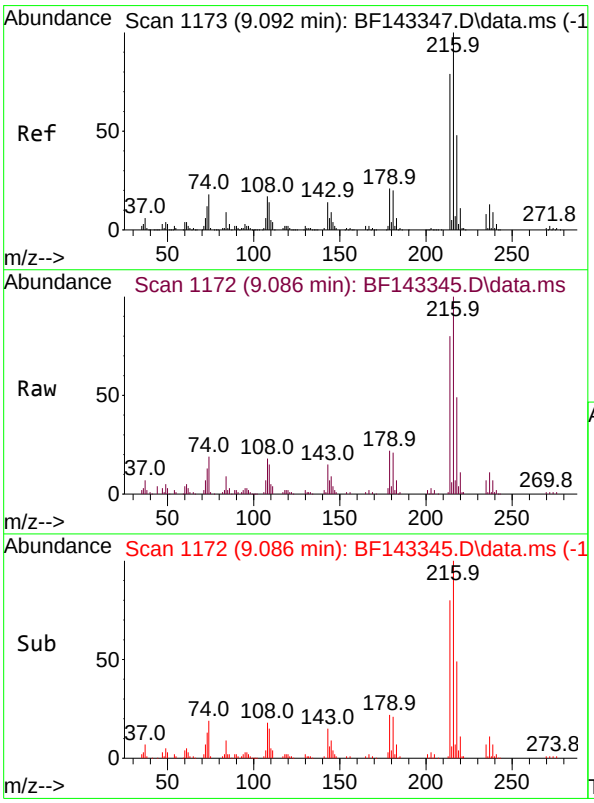
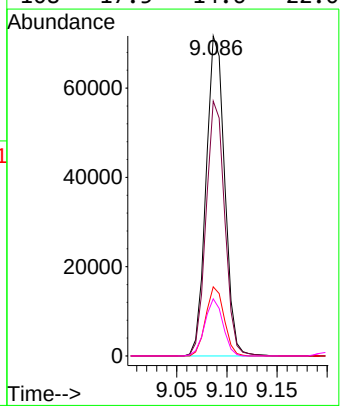
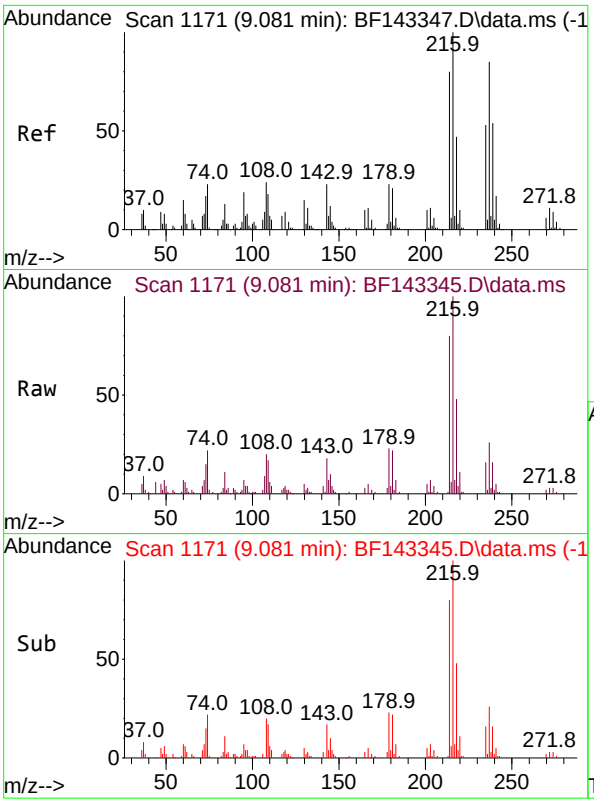


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.338 ng
RT: 9.086 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:216 Resp: 92307

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.0	94.4
179	21.3	17.0	25.4
108	17.5	14.6	22.0





#41
Hexachlorocyclopentadiene
Concen: 10.801 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:237 Resp: 1434

Ion	Ratio	Lower	Upper
237	100		
235	61.7	42.0	82.0
272	12.9	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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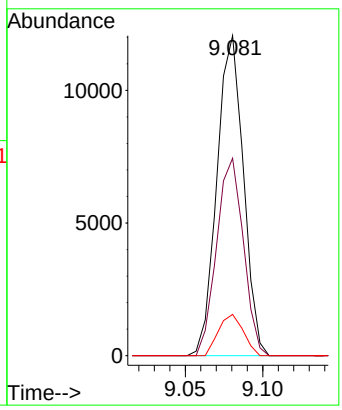
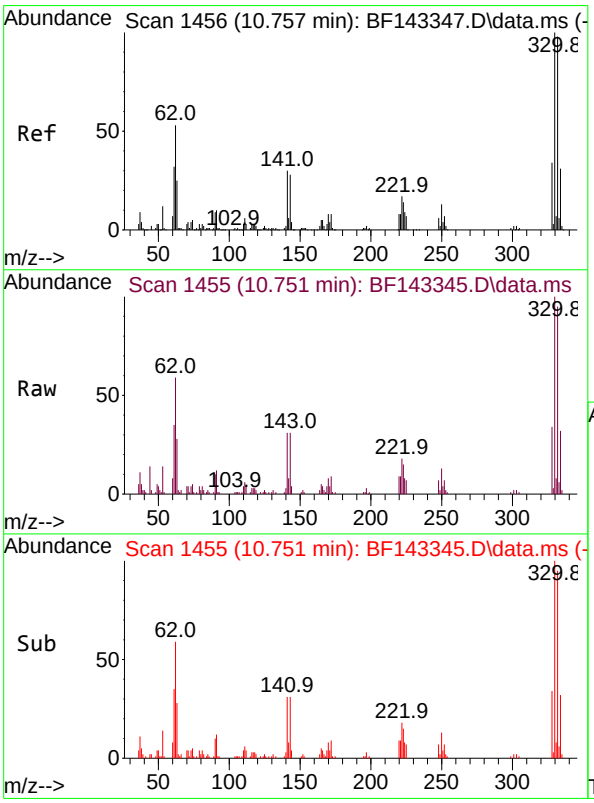
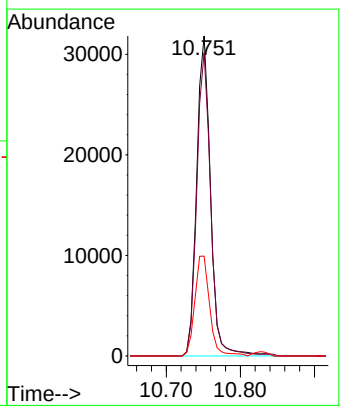


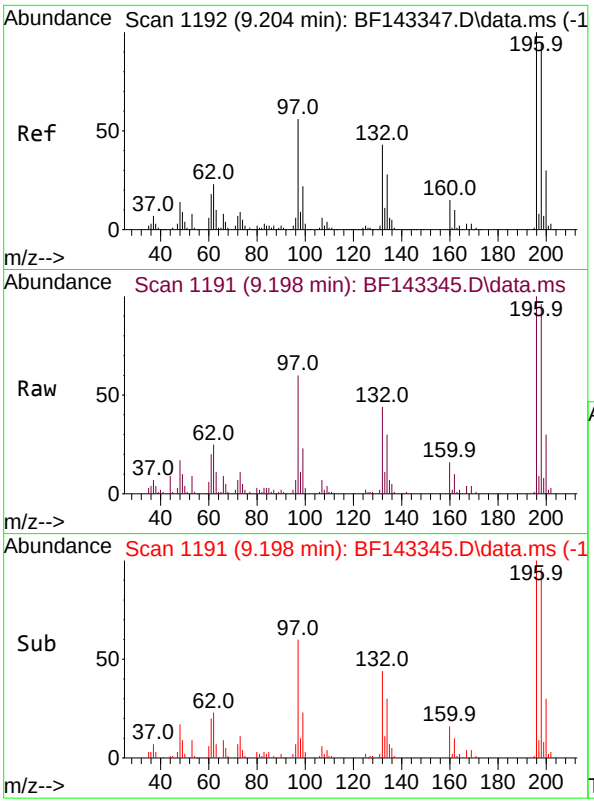


#42
2,4,6-Tribromophenol
Concen: 17.317 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:330 Resp: 41296

Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.1	117.1
141	33.4	25.4	38.0

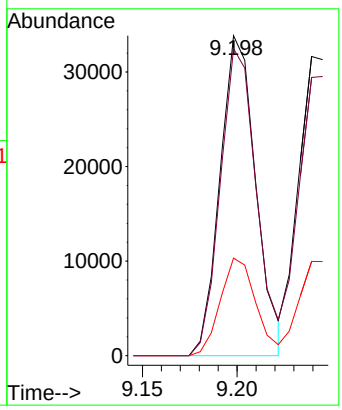




#43
2,4,6-Trichlorophenol
Concen: 8.769 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 4442

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.4	113.0
200	30.5	24.3	36.5



Instrument :
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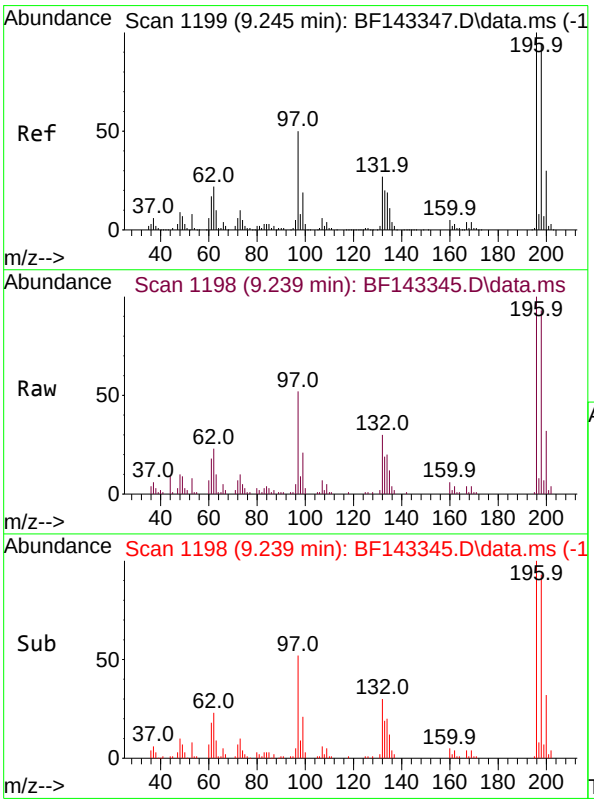
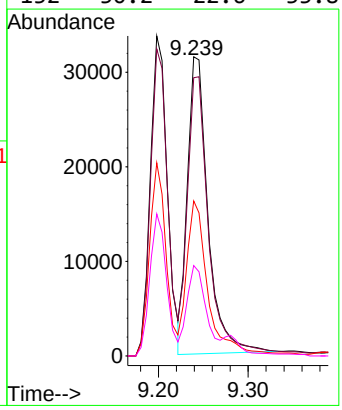
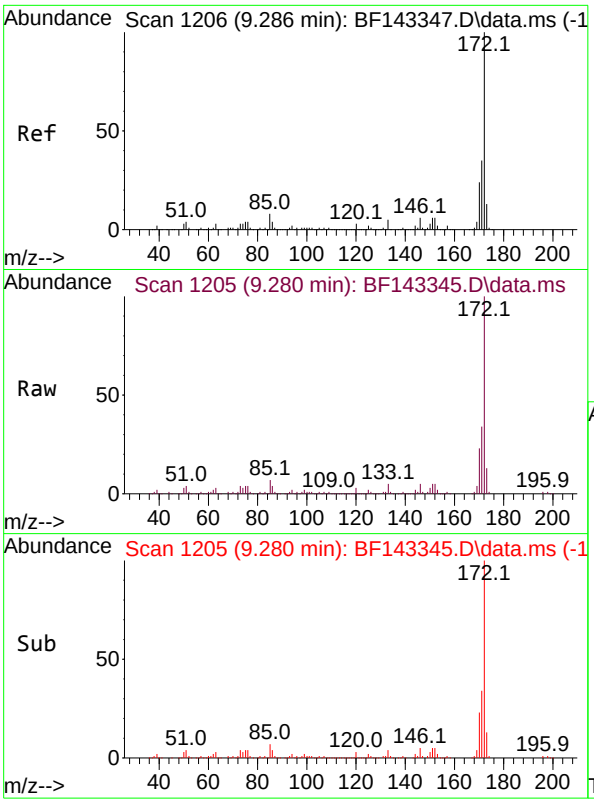


#44
2,4,5-Trichlorophenol
Concen: 8.786 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:196 Resp: 50263

Ion	Ratio	Lower	Upper
196	100		
198	93.0	75.4	113.2
97	51.8	39.9	59.9
132	30.2	22.6	33.8

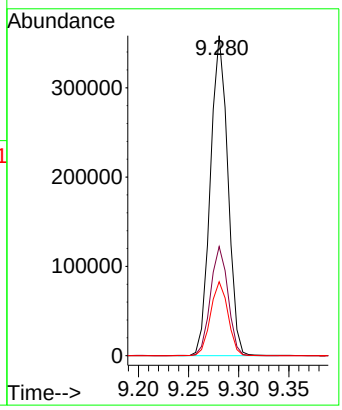




#45
2-Fluorobiphenyl
Concen: 22.583 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:172 Resp: 43455

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.4	42.6
170	23.1	19.1	28.7



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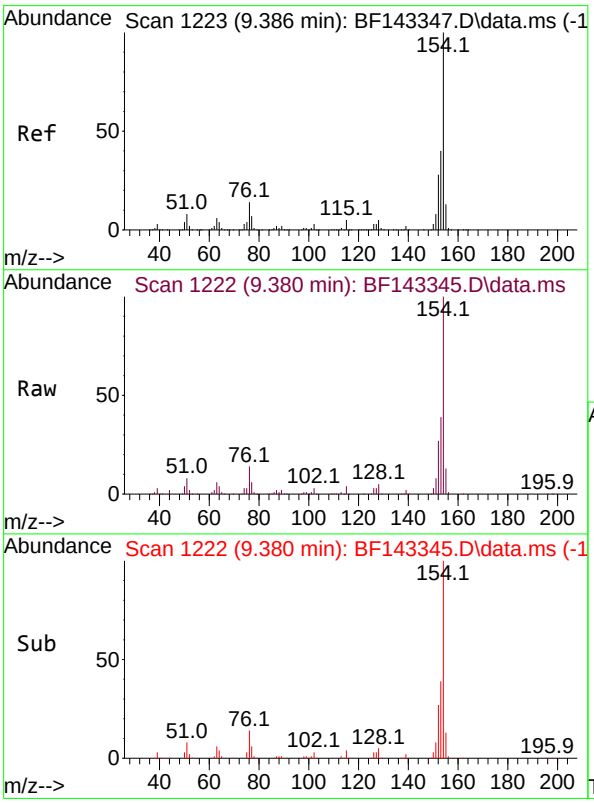
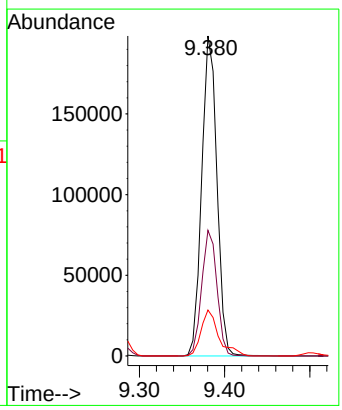
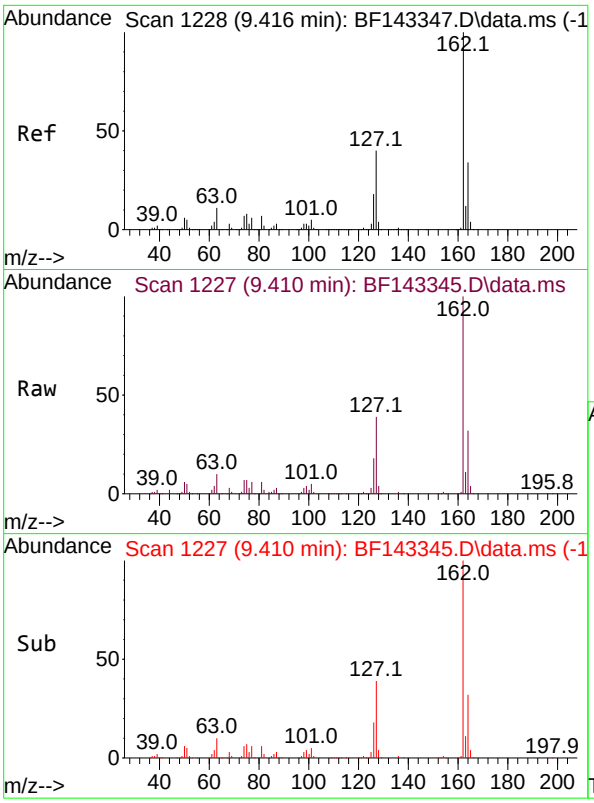


#46
1,1'-Biphenyl
Concen: 10.647 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 245641

Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.2	60.2
76	14.4	0.0	34.4

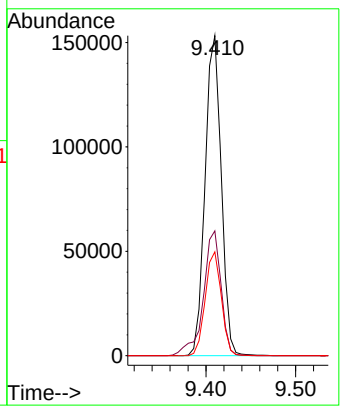




#47
2-Chloronaphthalene
Concen: 10.556 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:162 Resp: 191809

Ion	Ratio	Lower	Upper
162	100		
127	39.0	32.1	48.1
164	32.5	27.0	40.4



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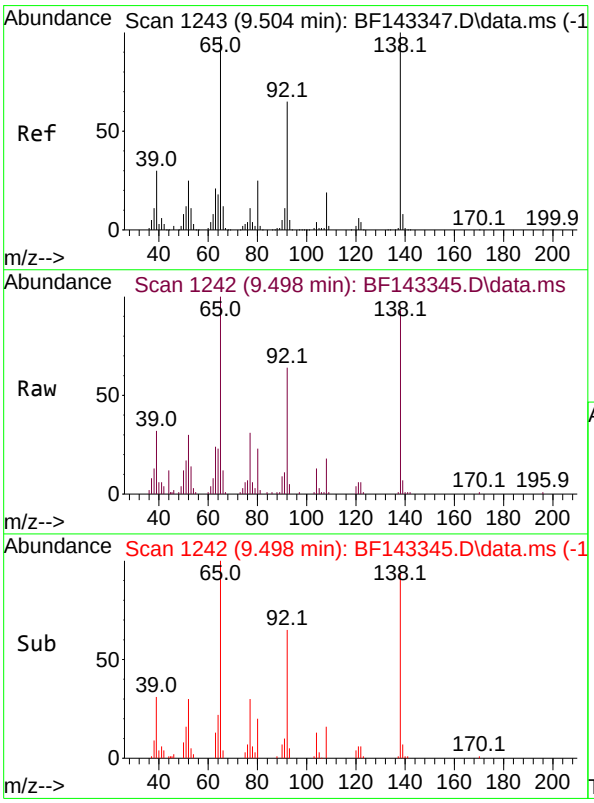
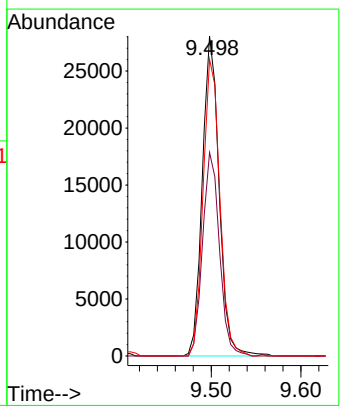
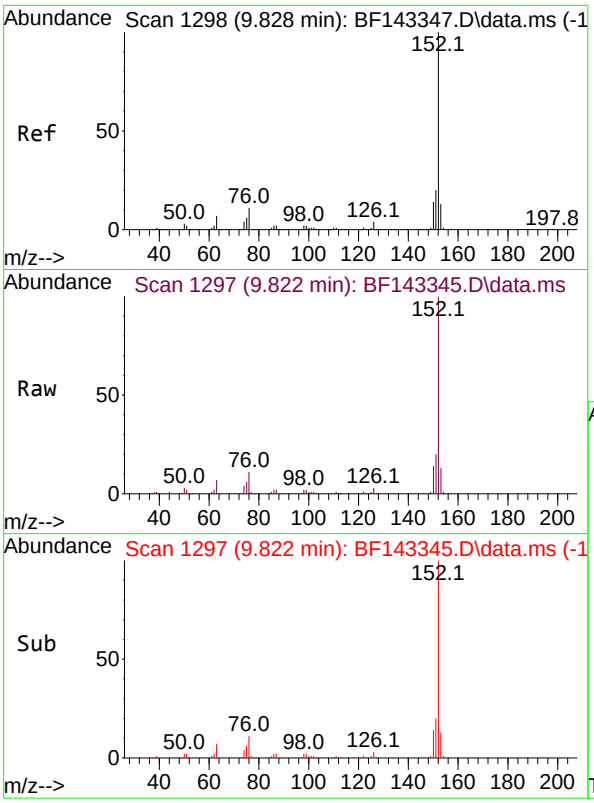


#48
2-Nitroaniline
Concen: 9.319 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 65 Resp: 36444

Ion	Ratio	Lower	Upper
65	100		
92	63.6	53.1	79.7
138	92.7	81.4	122.0

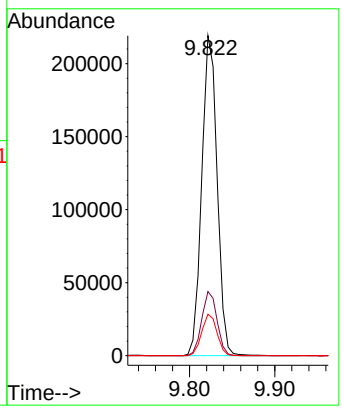




#49
Acenaphthylene
Concen: 10.459 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:152 Resp: 27444

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.0	10.6	16.0



Instrument :
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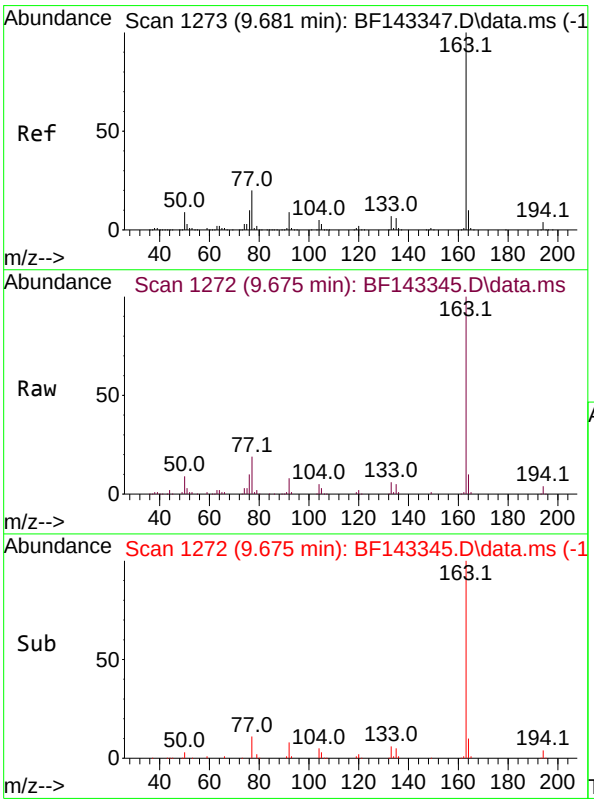
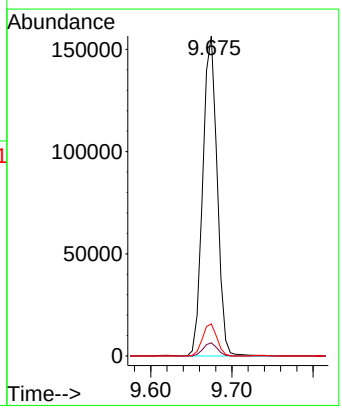
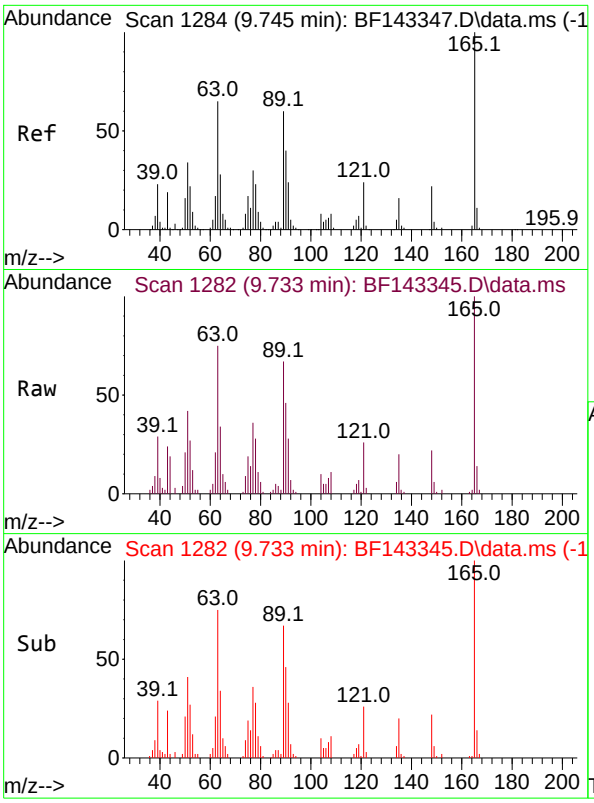


#50
Dimethylphthalate
Concen: 10.081 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:163 Resp: 192210

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 9.205 ng
RT: 9.733 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:165 Resp: 2400

Ion	Ratio	Lower	Upper
165	100		
63	74.8	51.6	77.4
89	67.3	47.7	71.5

Instrument :
BNA_F
ClientSampleId :
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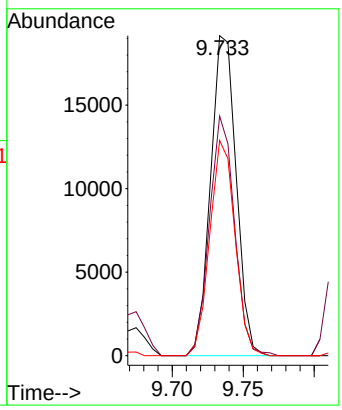
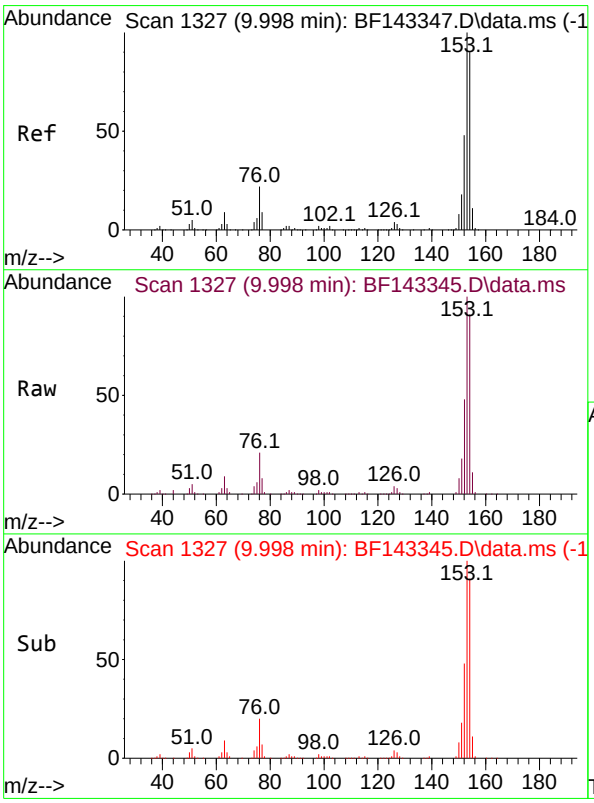
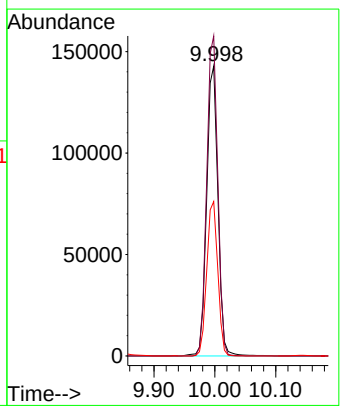


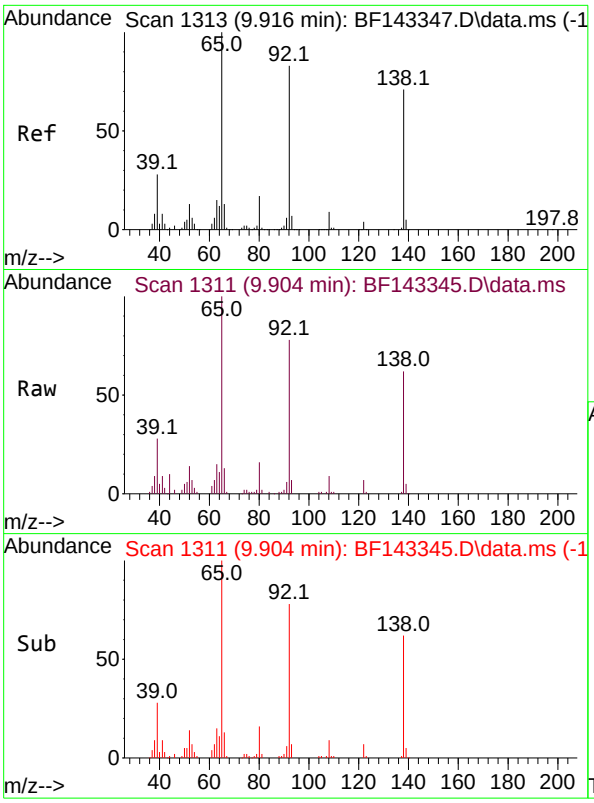


#52
Acenaphthene
Concen: 10.543 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:154 Resp: 183915

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.5	132.7
152	53.3	42.4	63.6

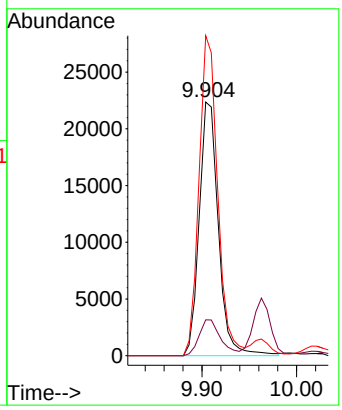




#53
3-Nitroaniline
Concen: 8.069 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 3150

Ion	Ratio	Lower	Upper
138	100		
108	14.1	9.6	14.4
92	126.2	93.4	140.2



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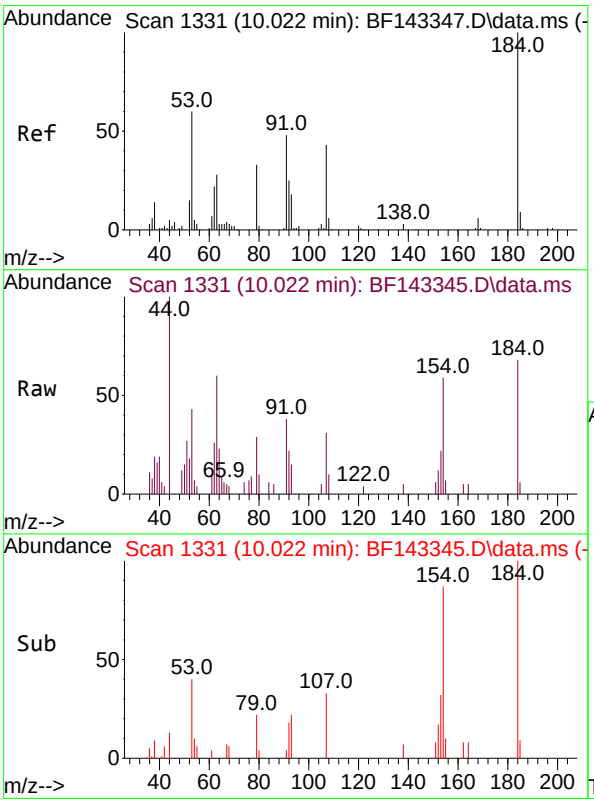
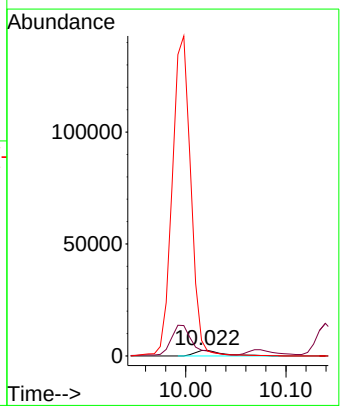
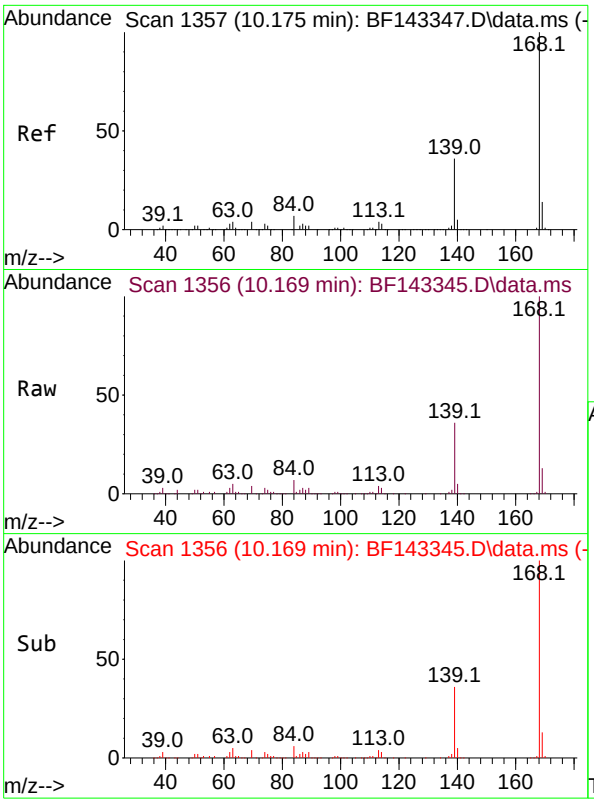


#54
2,4-Dinitrophenol
Concen: 10.356 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:184 Resp: 4834

Ion	Ratio	Lower	Upper
184	100		
63	88.5	62.5	93.7
154	87.3	73.0	109.4

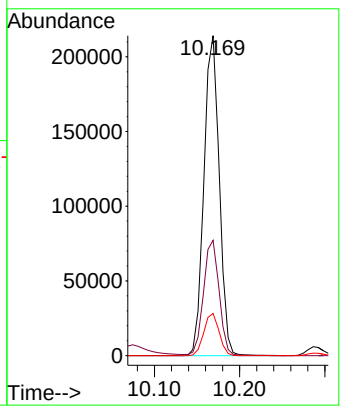




#55
Dibenzofuran
Concen: 10.660 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:168 Resp: 26765

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.4	44.0
169	13.2	11.0	16.6



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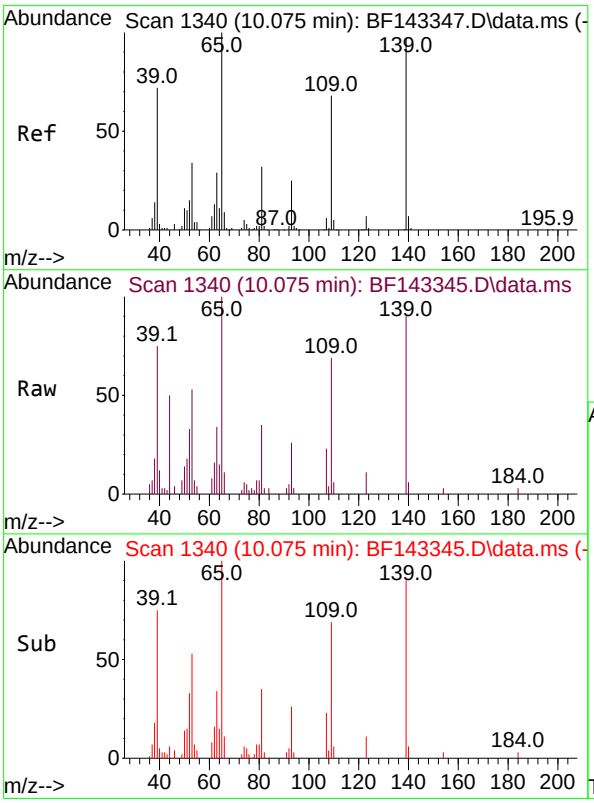
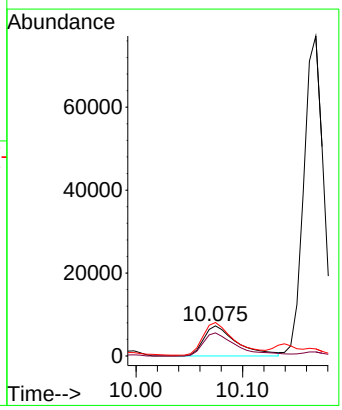
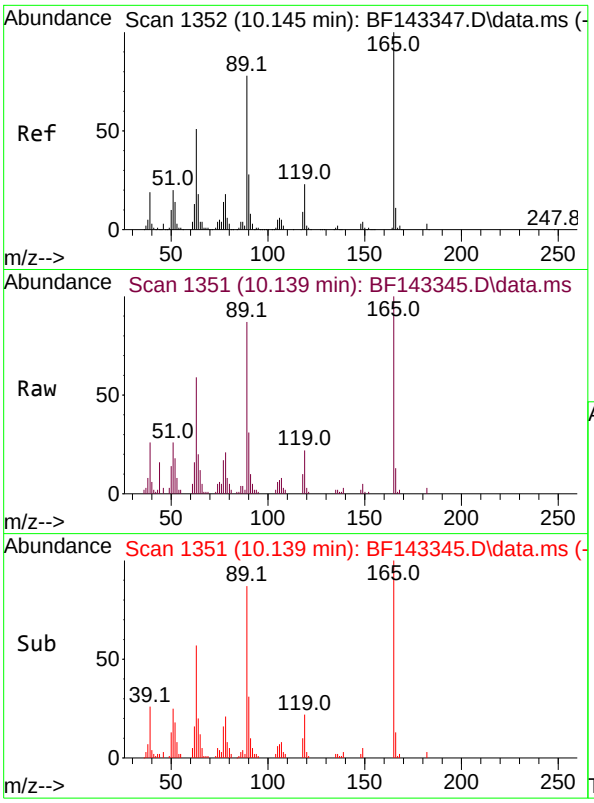


#56
4-Nitrophenol
Concen: 10.166 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:139 Resp: 15708

Ion	Ratio	Lower	Upper
139	100		
109	76.4	49.4	89.4
65	111.1	83.7	123.7

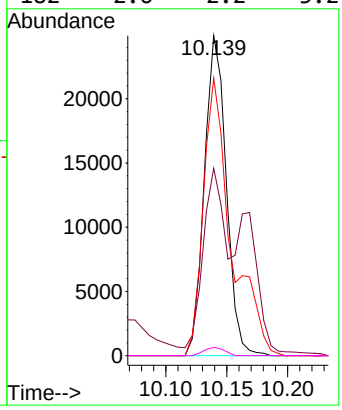




#57
2,4-Dinitrotoluene
Concen: 9.126 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:165 Resp: 3122

Ion	Ratio	Lower	Upper
165	100		
63	58.6	41.8	62.8
89	86.7	62.4	93.6
182	2.6	2.2	3.2



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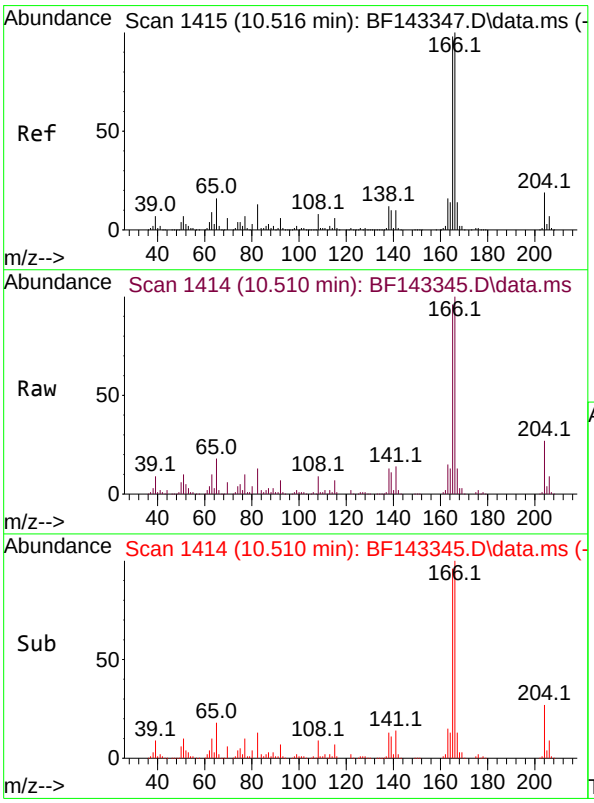
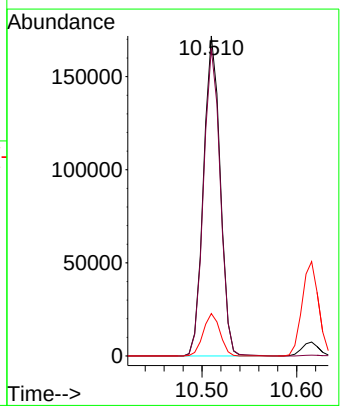
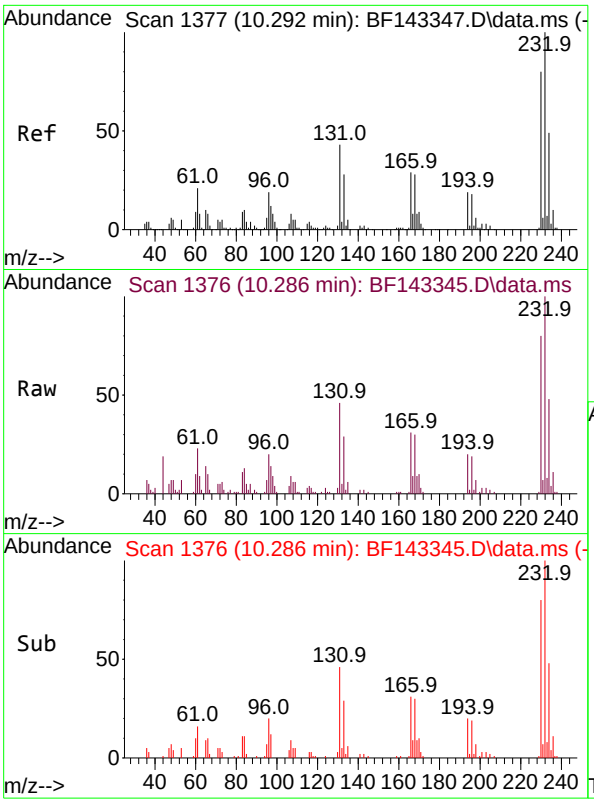


#58
Fluorene
Concen: 10.959 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:166 Resp: 210161

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.2	117.4
167	13.3	10.9	16.3

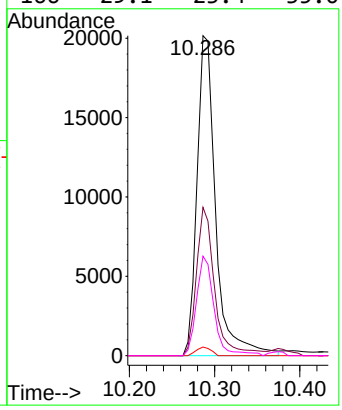




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.955 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:232 Resp: 3068

Ion	Ratio	Lower	Upper
232	100		
131	45.6	34.6	51.8
130	2.1	1.7	2.5
166	29.1	23.4	35.0



Instrument :
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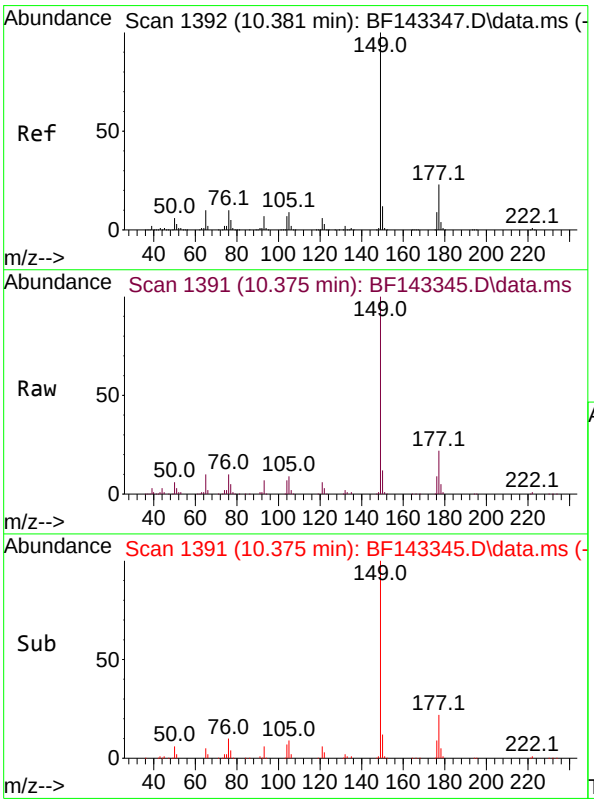
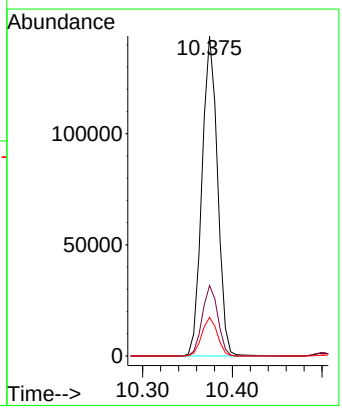
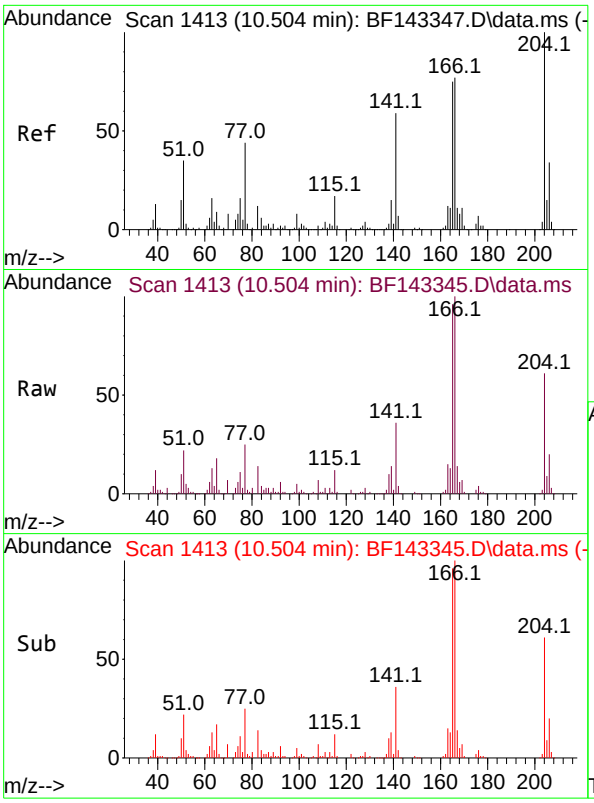


#60
Diethylphthalate
Concen: 10.137 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 173119

Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.2	27.2
150	12.0	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 10.575 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 9798

Ion	Ratio	Lower	Upper
204	100		
206	32.7	27.4	41.2
141	58.0	46.9	70.3

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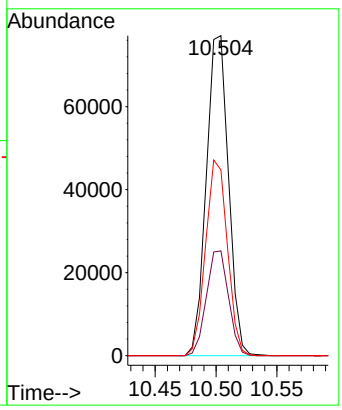
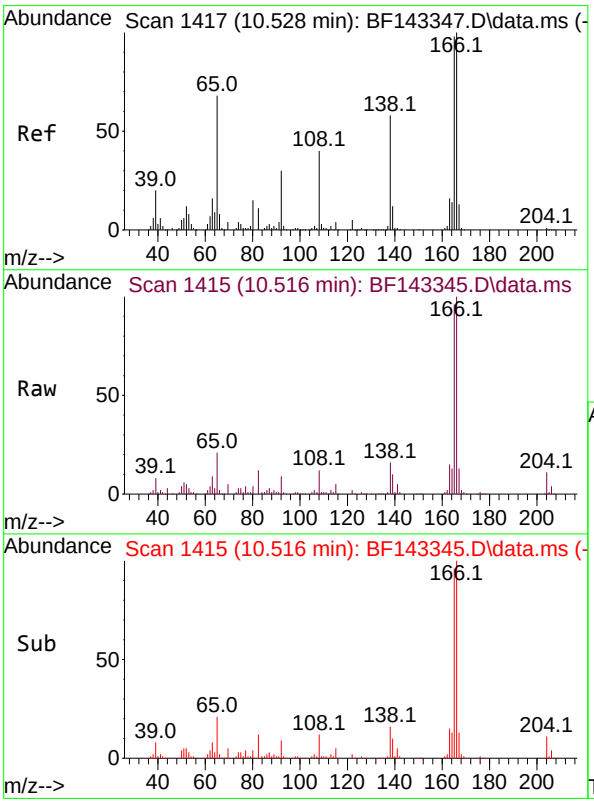
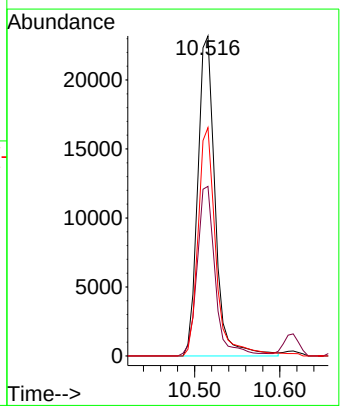


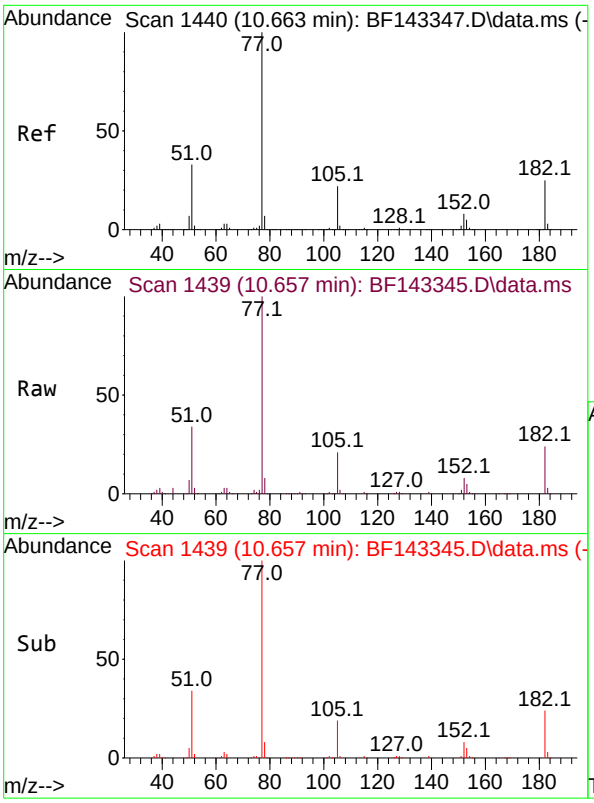


#62
4-Nitroaniline
Concen: 8.714 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:138 Resp: 32919

Ion	Ratio	Lower	Upper
138	100		
92	53.0	31.2	71.2
108	71.4	48.1	88.1

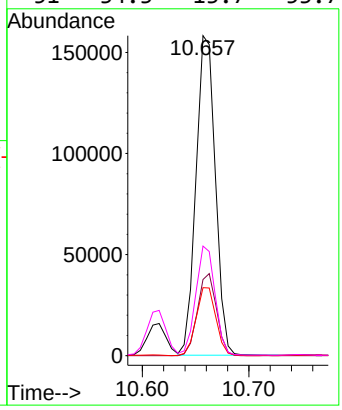




#63
Azobenzene
Concen: 10.272 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion: 77 Resp: 20036

Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.4	44.4
105	21.3	1.8	41.8
51	34.3	13.7	53.7



Instrument :
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ClientSampleId :
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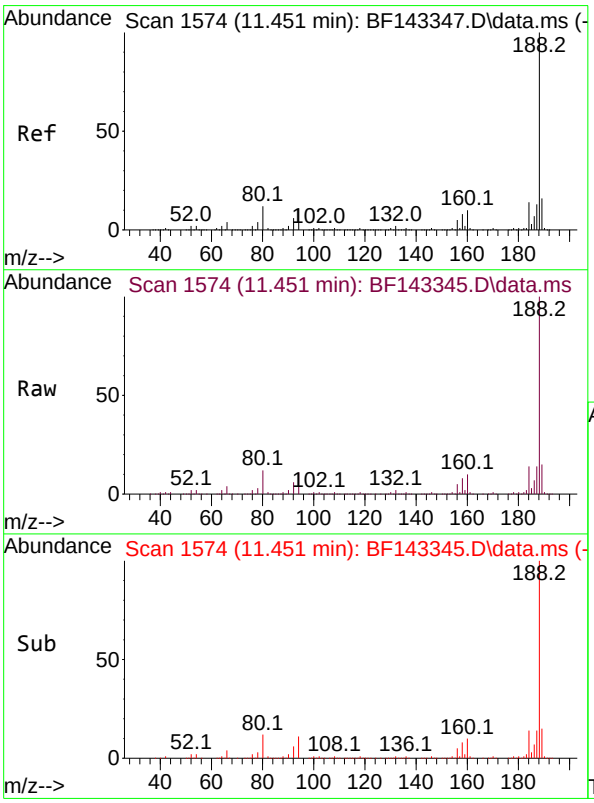
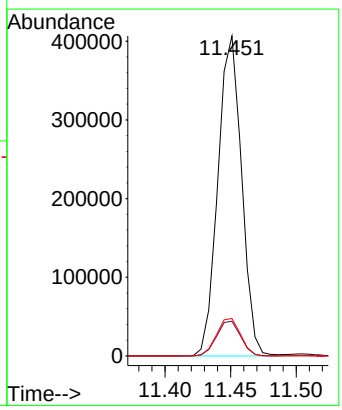
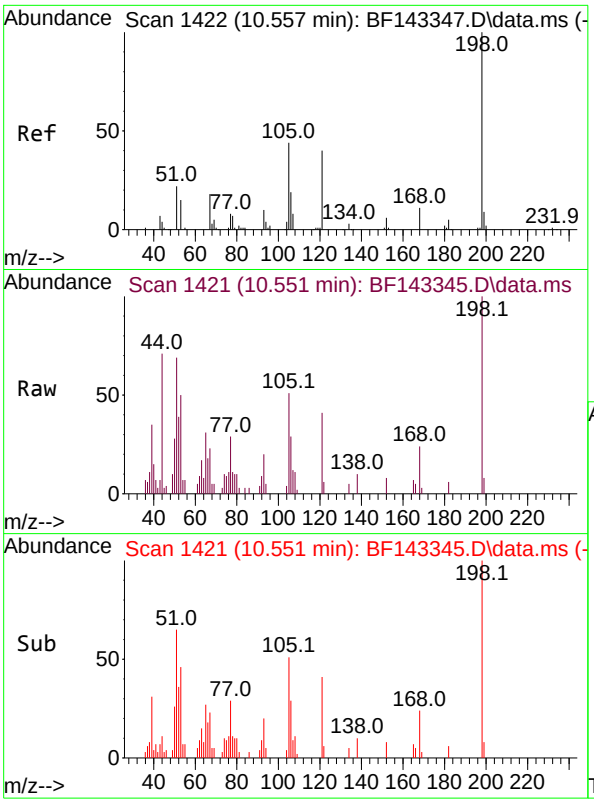


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:188 Resp: 511556

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.8	13.2
80	11.7	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 11.085 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:198 Resp: 932

Ion	Ratio	Lower	Upper
198	100		
51	68.6	41.7	81.7
105	50.8	26.8	66.8

Instrument :
BNA_F
ClientSampleId :
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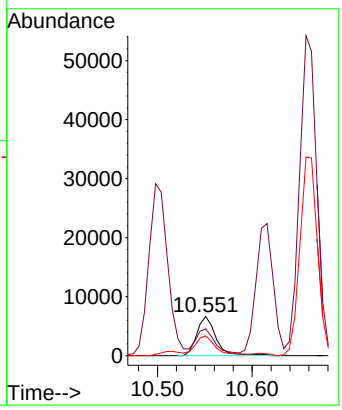
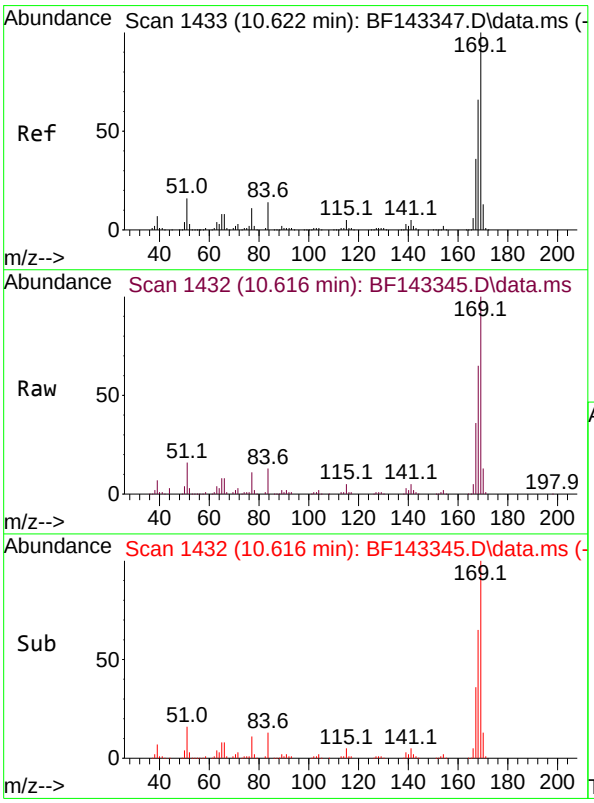
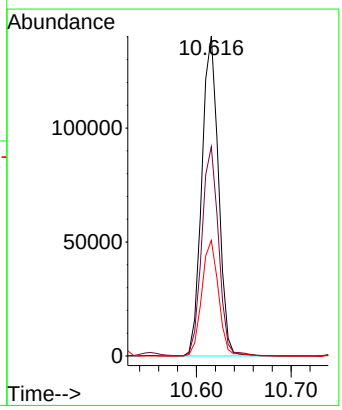


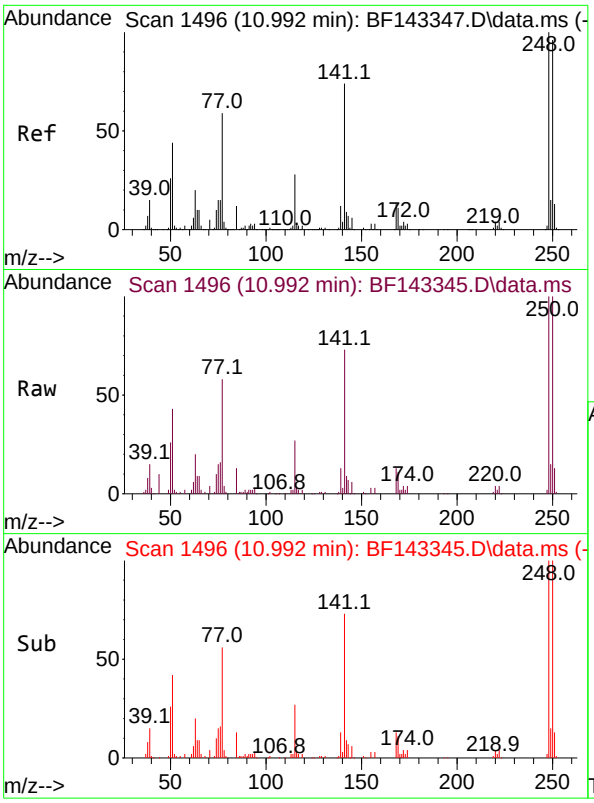


#66
n-Nitrosodiphenylamine
Concen: 10.169 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:169 Resp: 171289

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.7	79.1
167	36.1	28.6	42.8

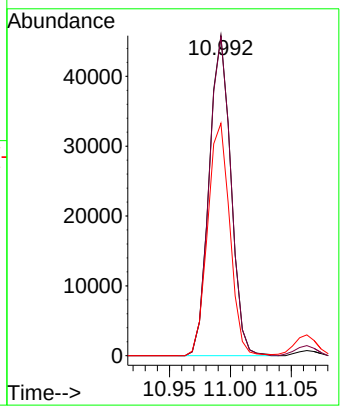




#67
4-Bromophenyl-phenylether
Concen: 9.712 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:248 Resp: 5681

Ion	Ratio	Lower	Upper
248	100		
250	99.7	77.1	115.7
141	72.6	59.1	88.7



Instrument :
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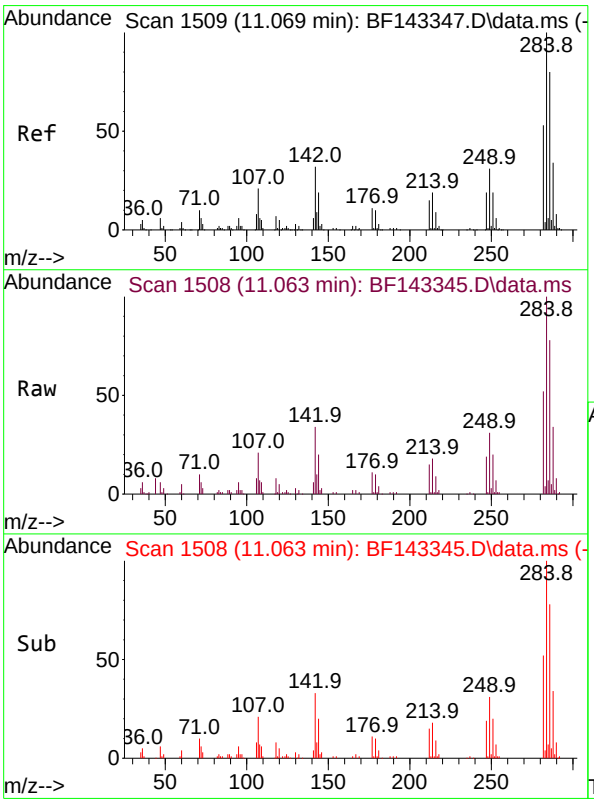
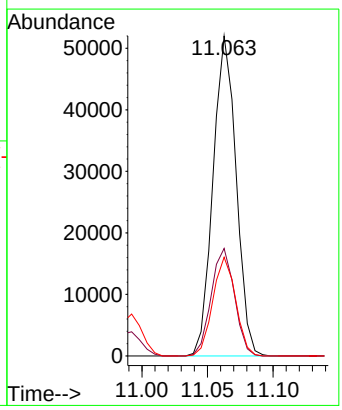
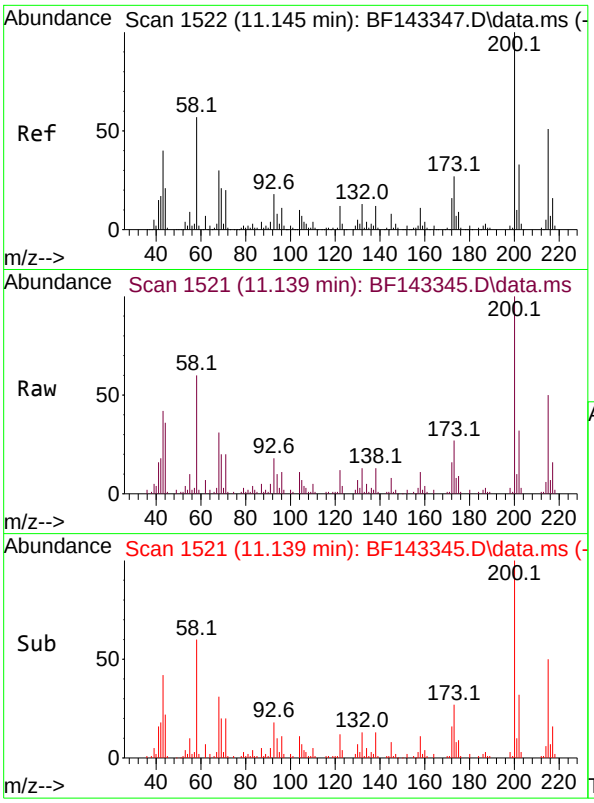


#68
Hexachlorobenzene
Concen: 10.091 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:284 Resp: 63639

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.7	38.5
249	30.9	24.6	37.0

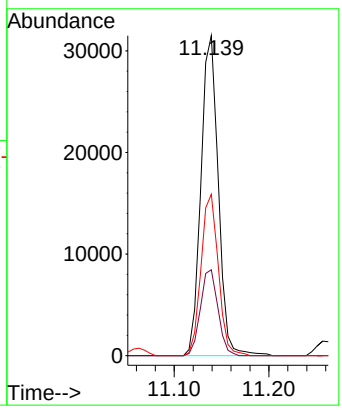




#69
Atrazine
Concen: 9.133 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:200 Resp: 4012

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.6	46.6
215	50.5	30.6	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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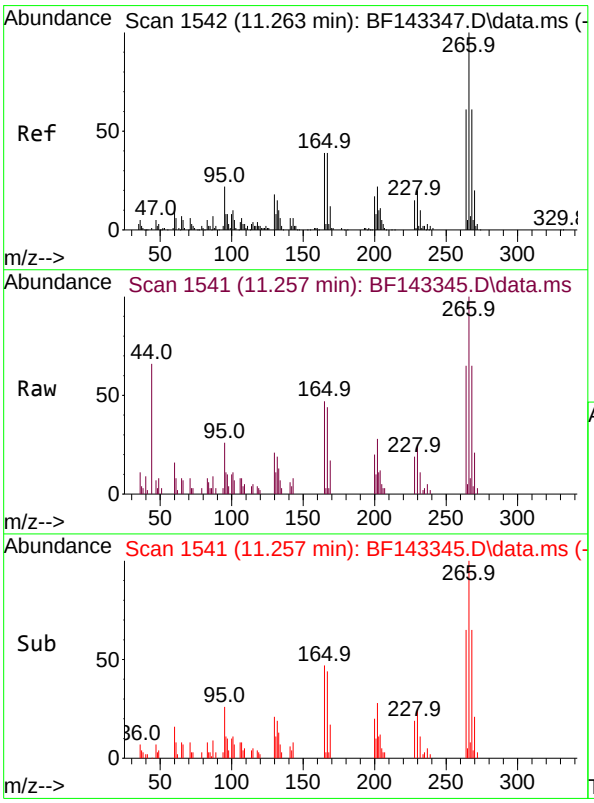
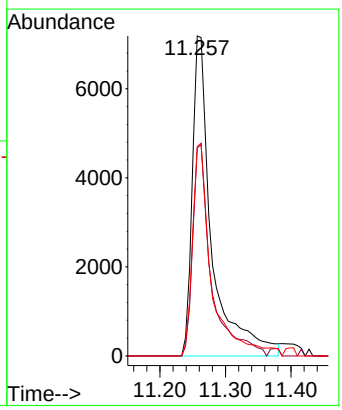
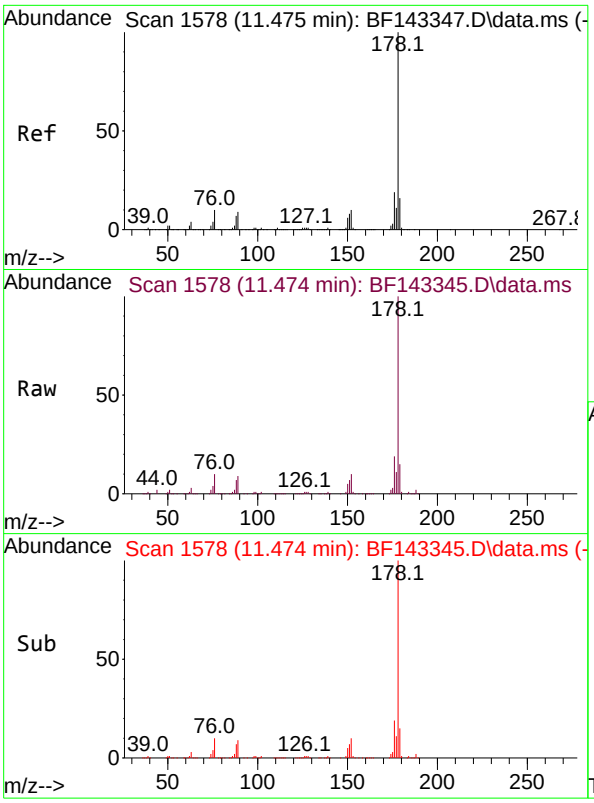


#70
Pentachlorophenol
Concen: 10.407 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:266 Resp: 14951

Ion	Ratio	Lower	Upper
266	100		
268	65.0	48.8	73.2
264	65.4	48.8	73.2

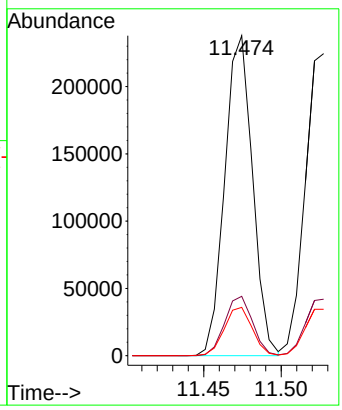




#71
Phenanthrene
Concen: 10.620 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 29641

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.1	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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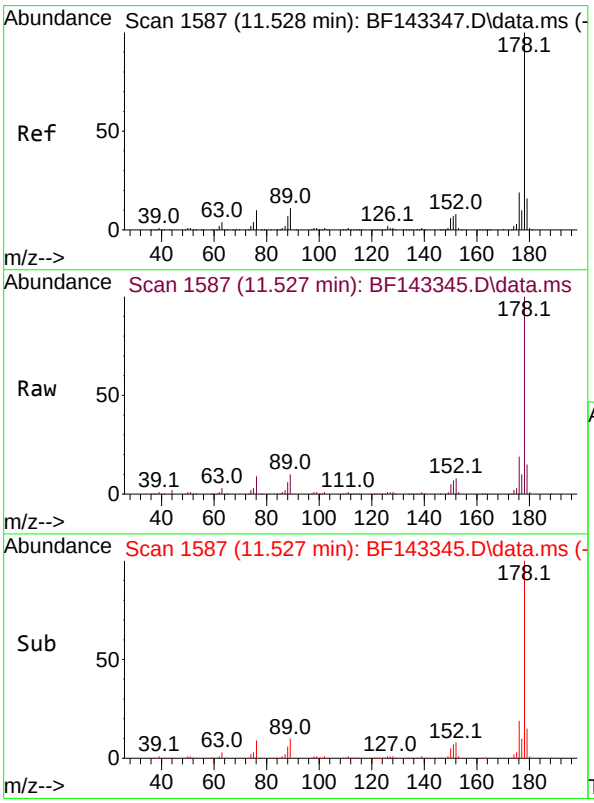
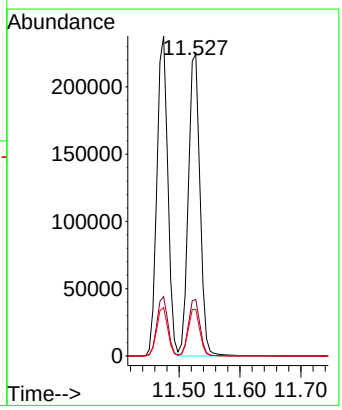
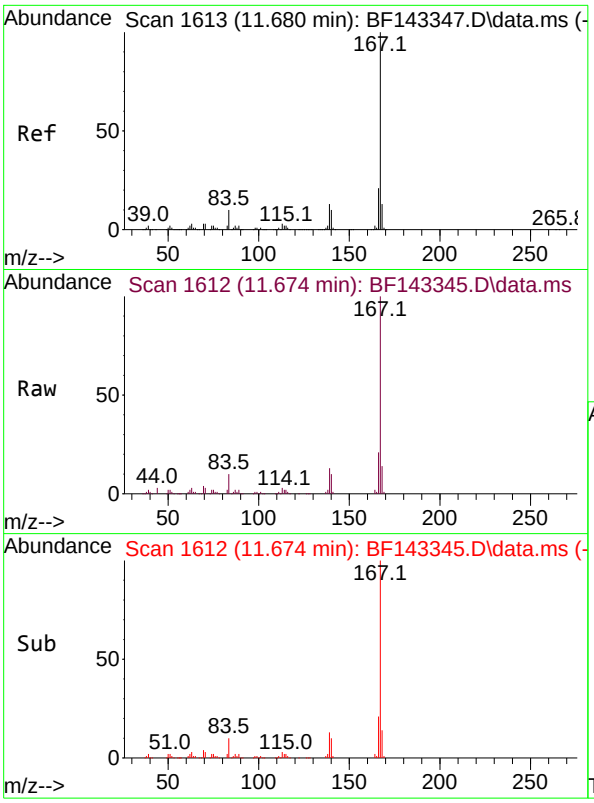


#72
Anthracene
Concen: 10.559 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:178 Resp: 298872

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.7	19.1

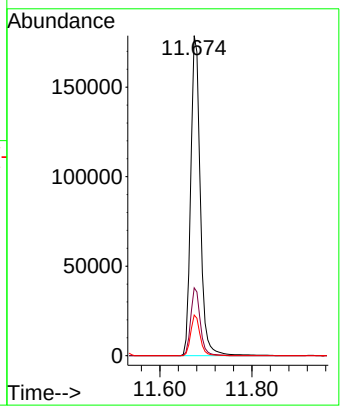




#73
Carbazole
Concen: 10.613 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:167 Resp: 25583

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.7	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
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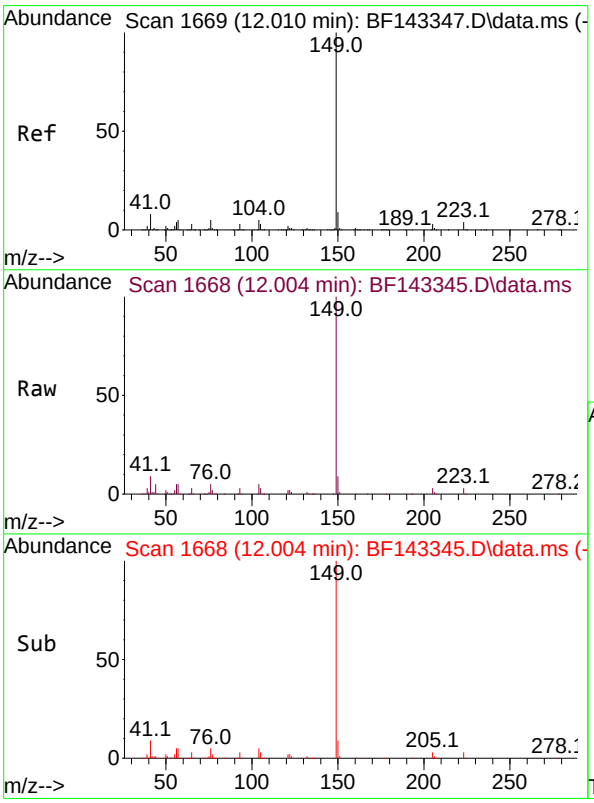
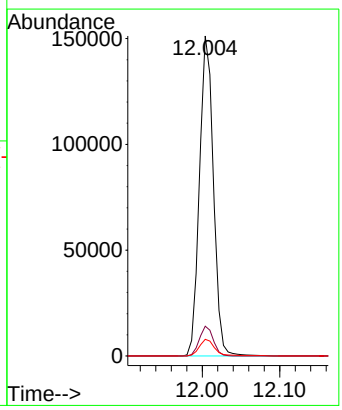
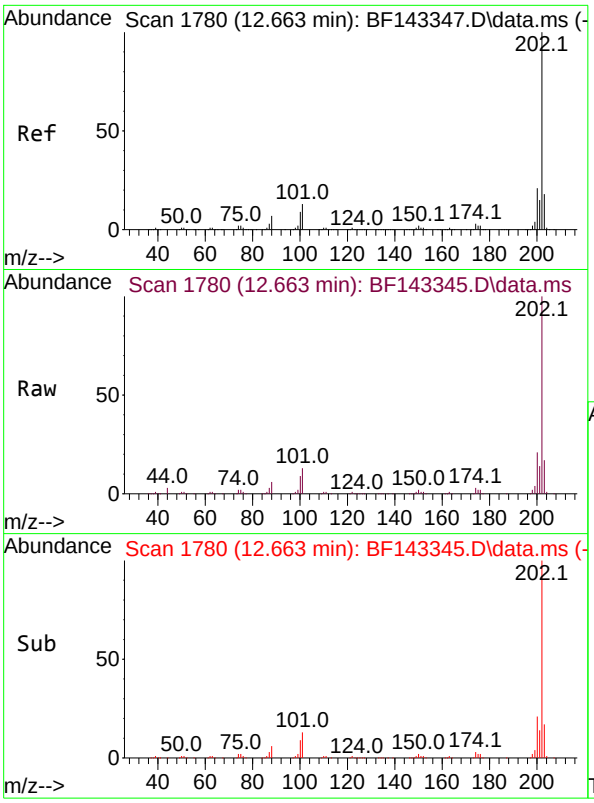


#74
Di-n-butylphthalate
Concen: 9.269 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 189069

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	5.2	3.8	5.8

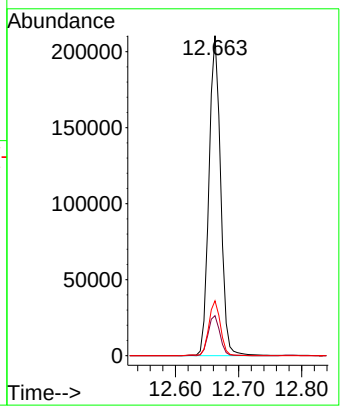




#75
Fluoranthene
Concen: 11.026 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:202 Resp: 26956

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.2	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
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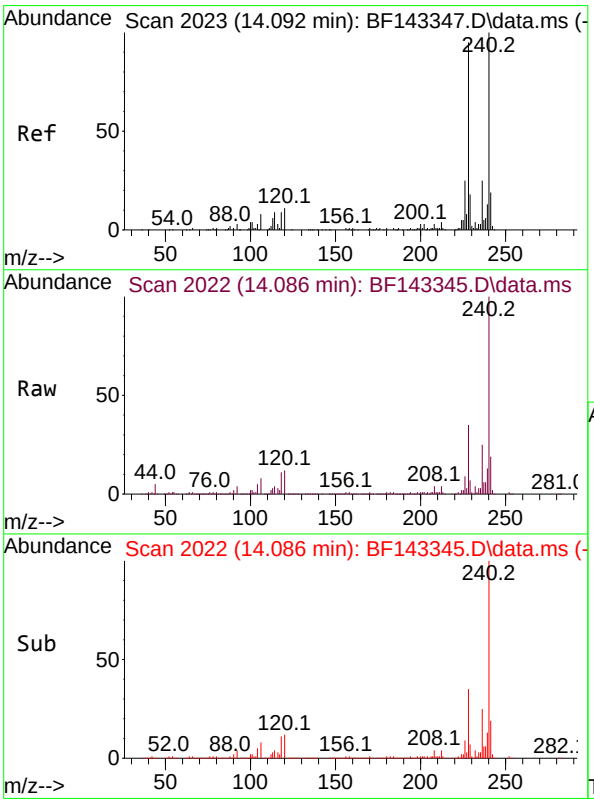
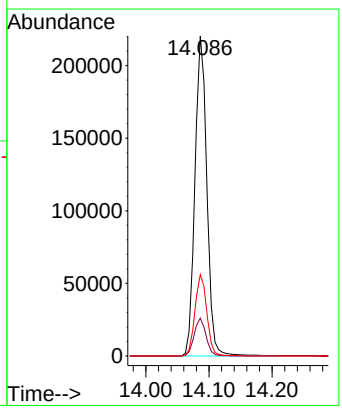
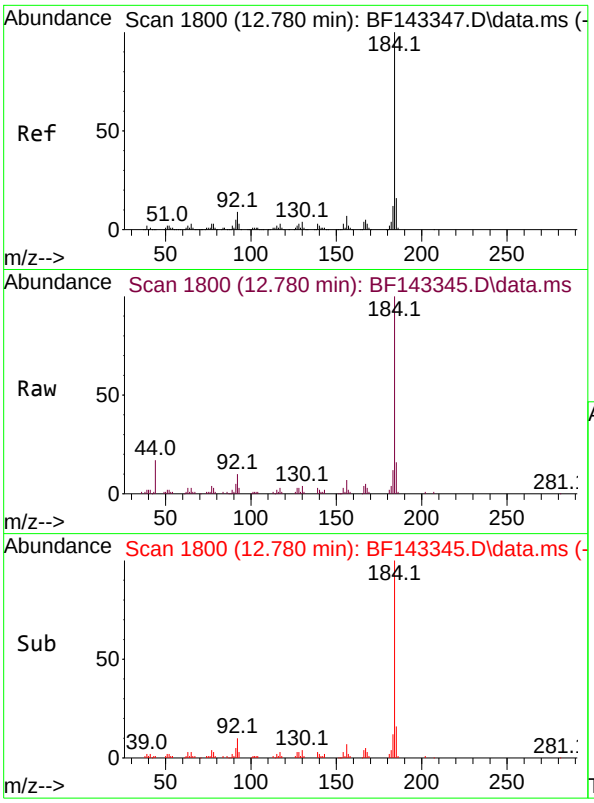


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:240 Resp: 288804

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.0	13.6
236	25.5	19.9	29.9

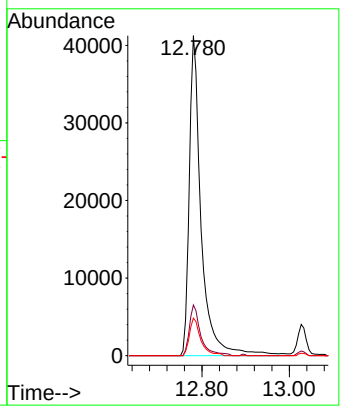




#77
Benzidine
Concen: 9.898 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:184 Resp: 7815

Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.8	19.2
183	11.8	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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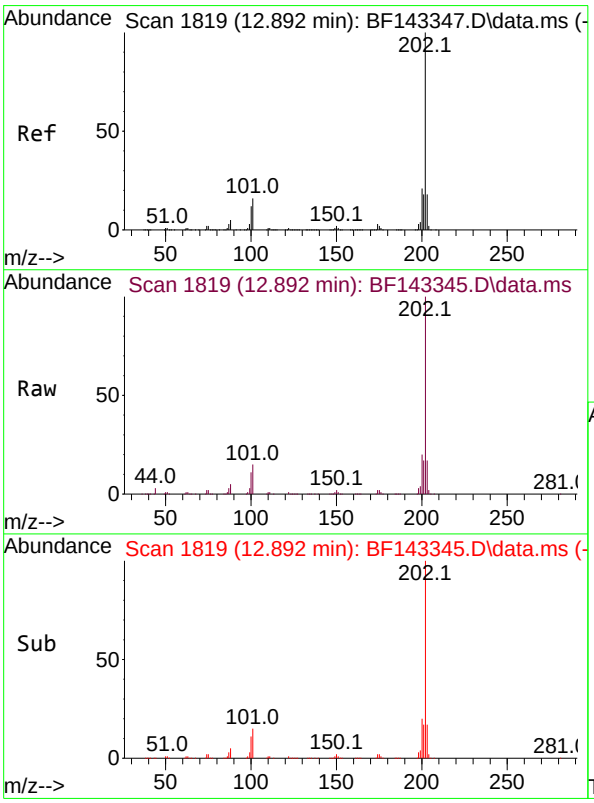
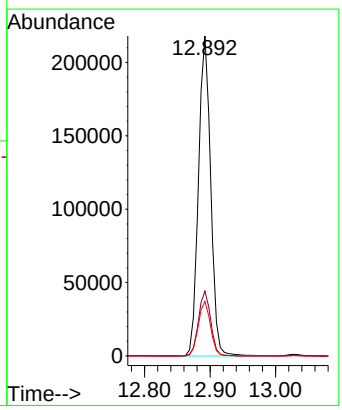
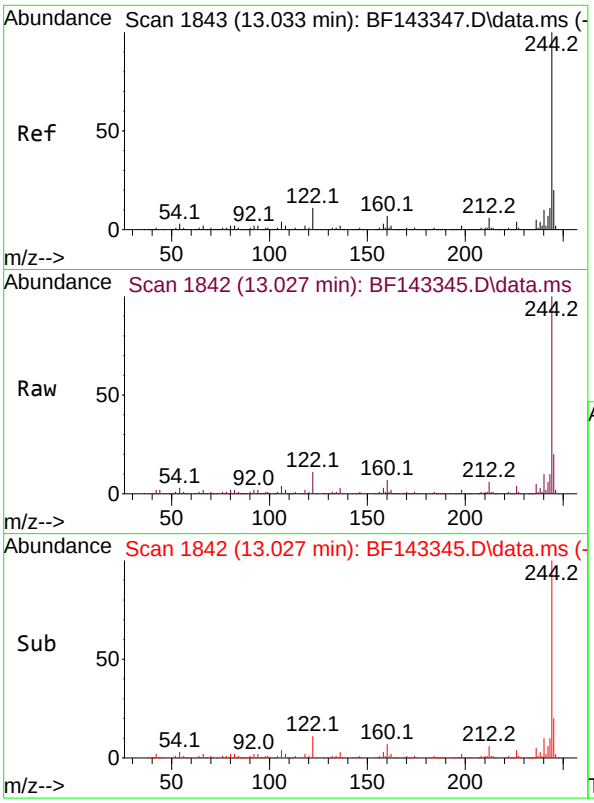


#78
Pyrene
Concen: 11.697 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:202 Resp: 283403

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.0	14.2	21.4

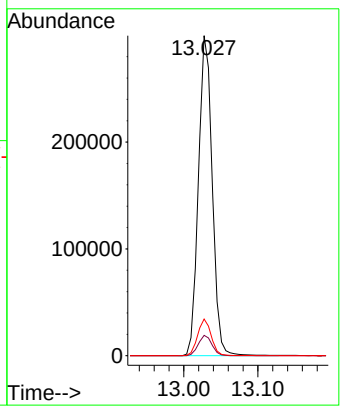




#79
Terphenyl-d14
Concen: 24.022 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:244 Resp: 38858

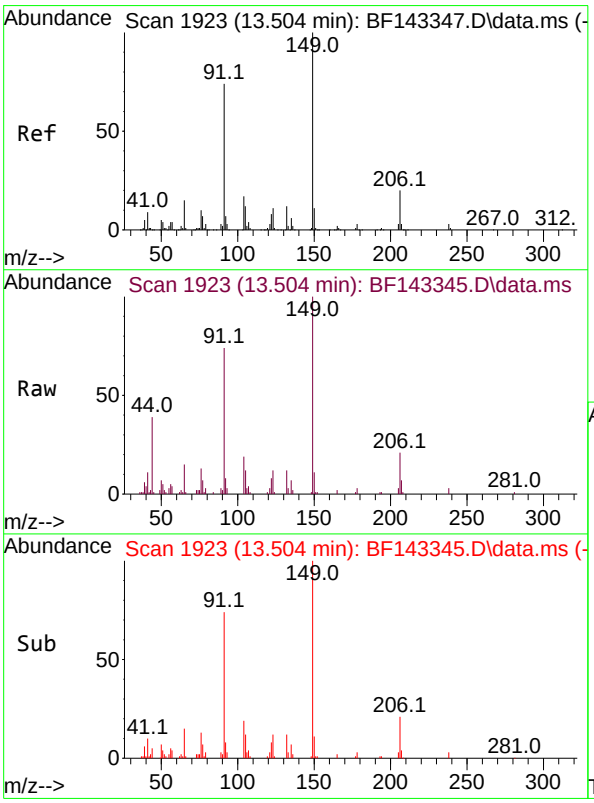
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	11.5	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

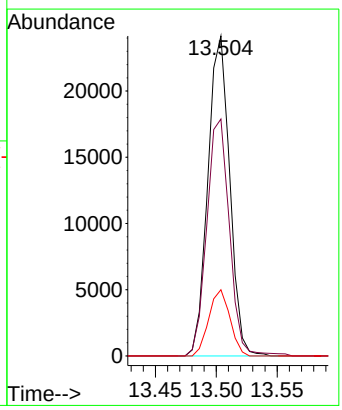
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

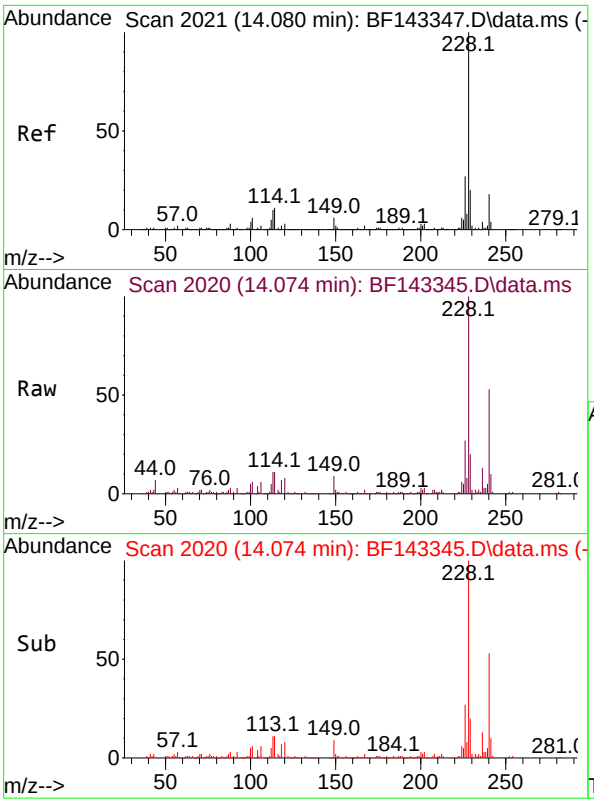


#80
Butylbenzylphthalate
Concen: 9.196 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 30088

Ion	Ratio	Lower	Upper
149	100		
91	74.1	58.8	88.2
206	20.7	16.4	24.6

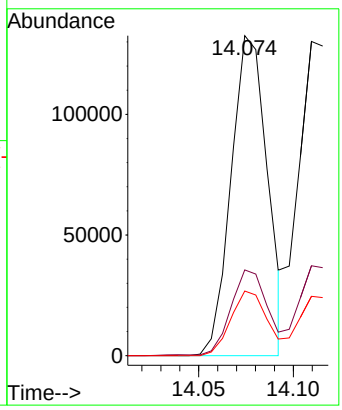




#81
Benzo(a)anthracene
Concen: 9.629 ng
RT: 14.074 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:228 Resp: 17675(

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.0	33.0
229	20.2	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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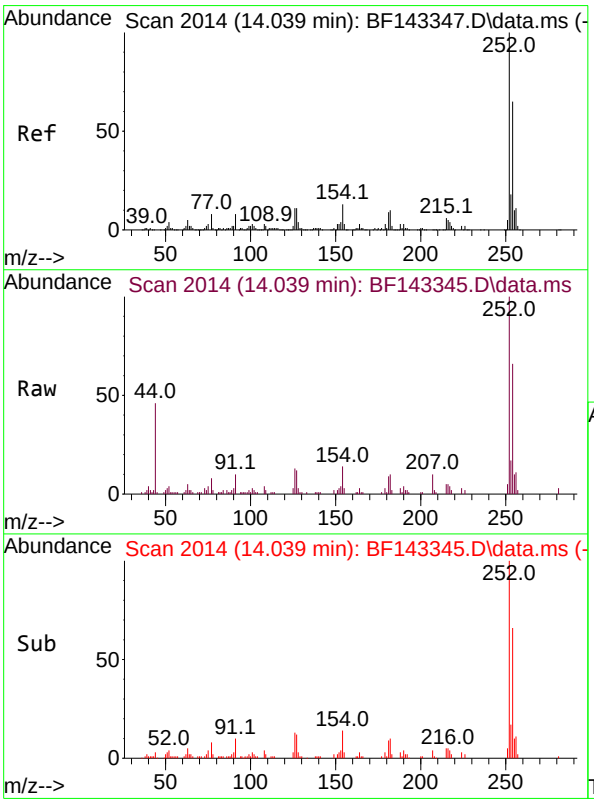
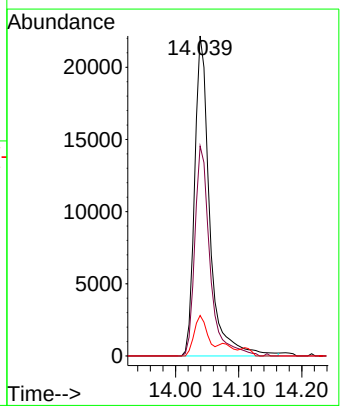
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

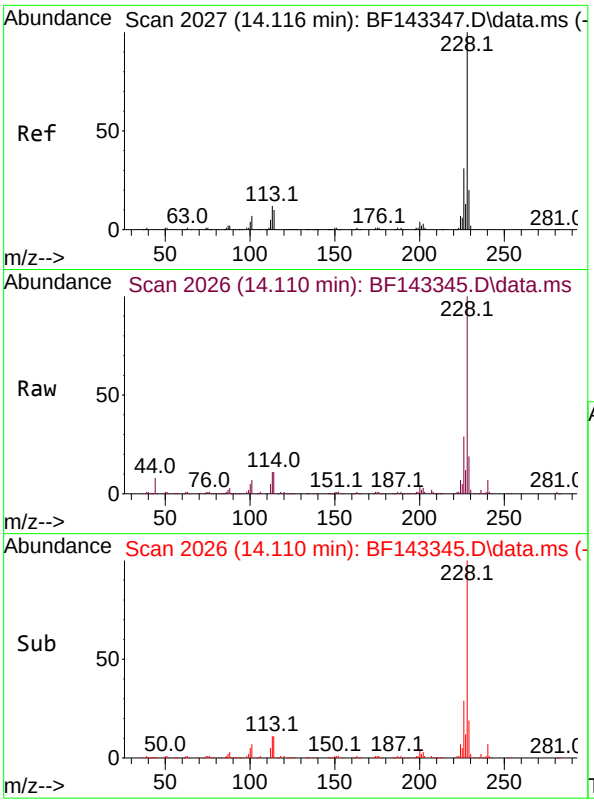


#82
3,3'-Dichlorobenzidine
Concen: 7.425 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 36804

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.7	77.5
126	12.6	9.2	13.8





#83
Chrysene
Concen: 10.541 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:228 Resp: 18042

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	18.9	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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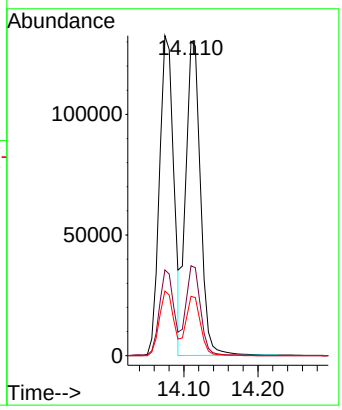
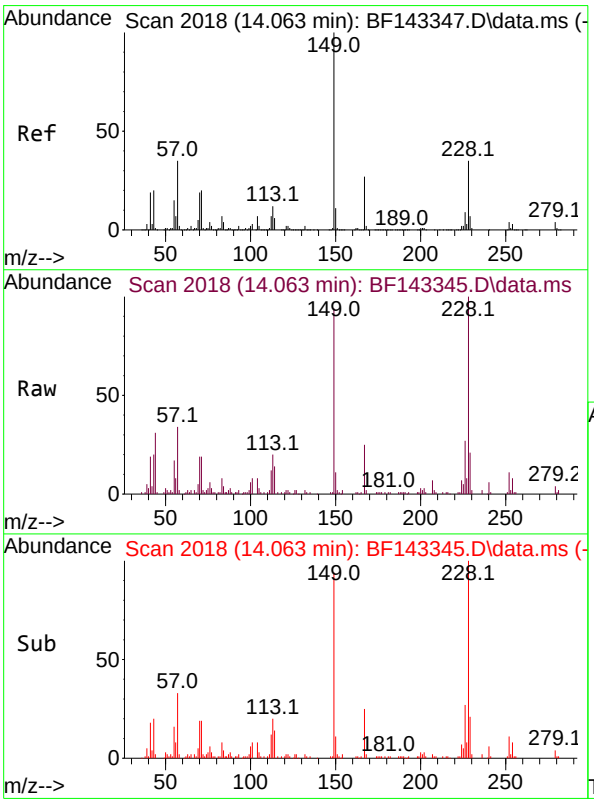
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

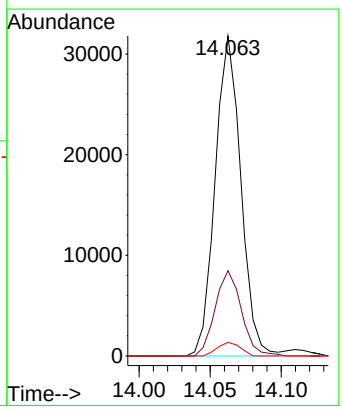


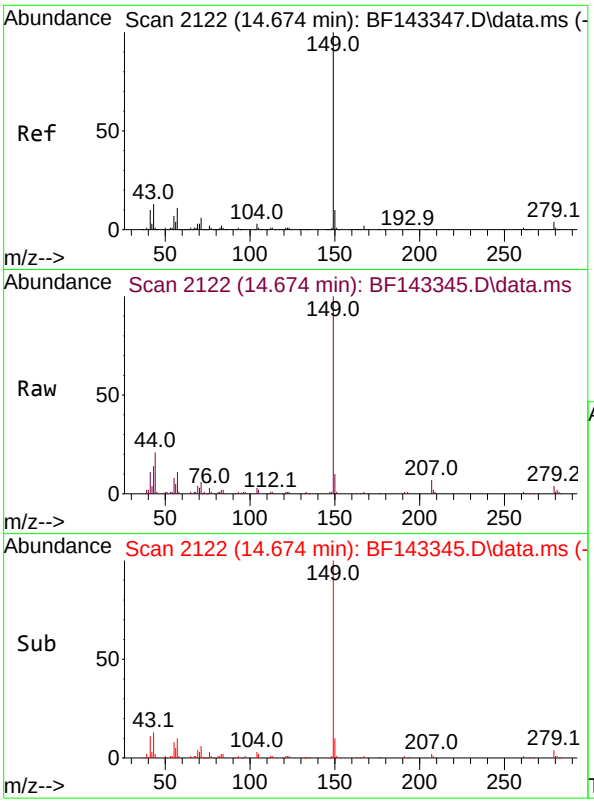


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.191 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 39945

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.3	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 10.933 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:149 Resp: 7870

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	14.9	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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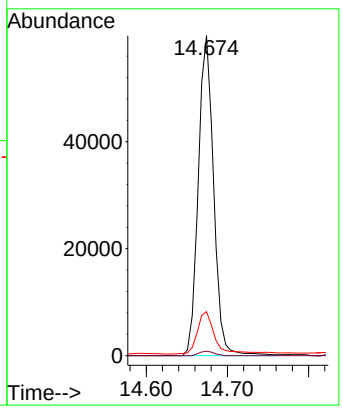
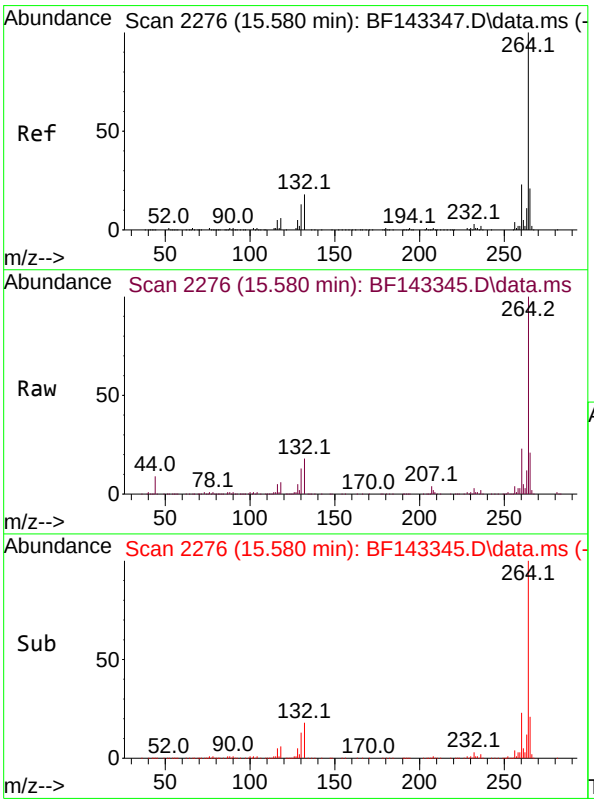
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

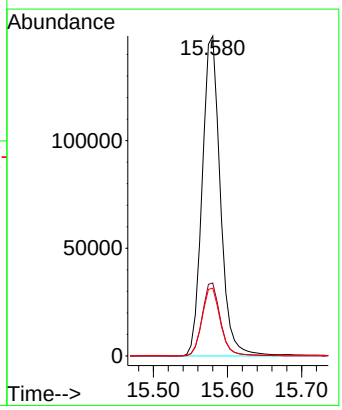


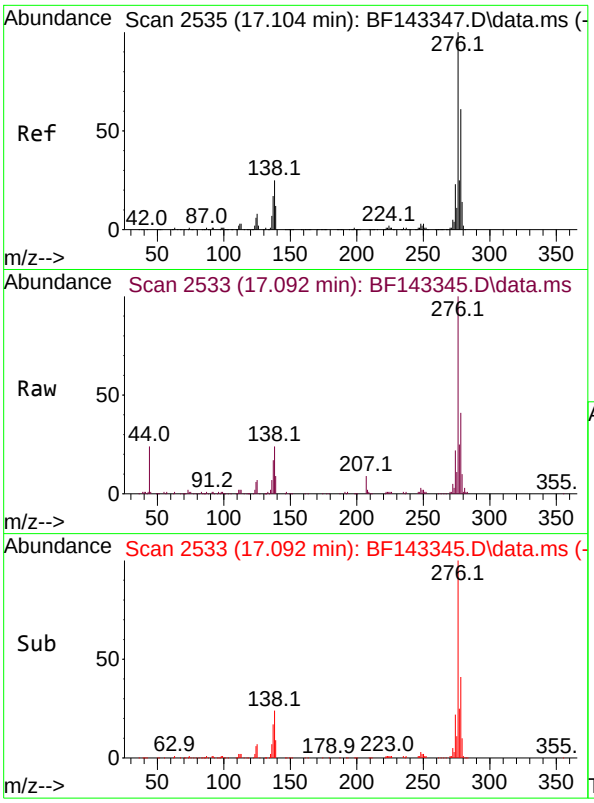


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:264 Resp: 252284

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.2	17.2	25.8

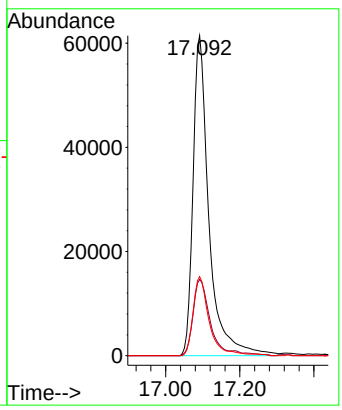




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.153 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 18350

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.1	31.7
277	24.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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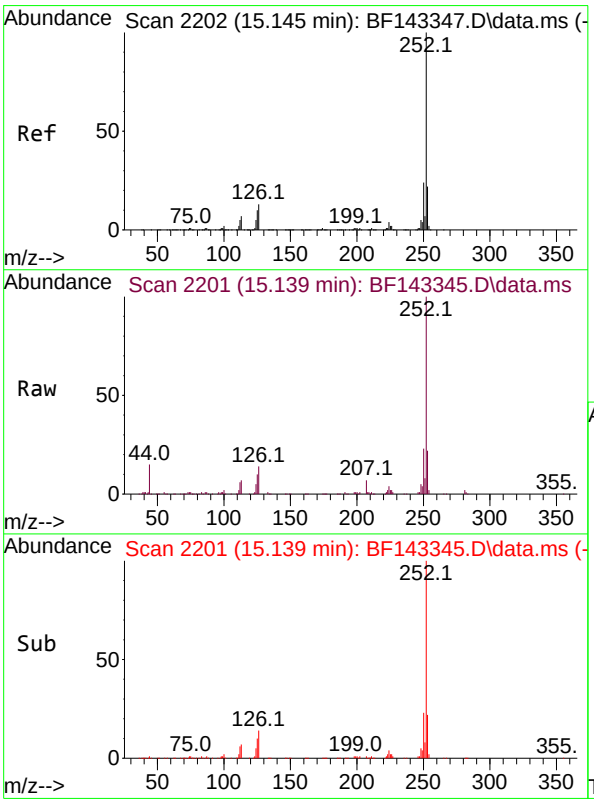
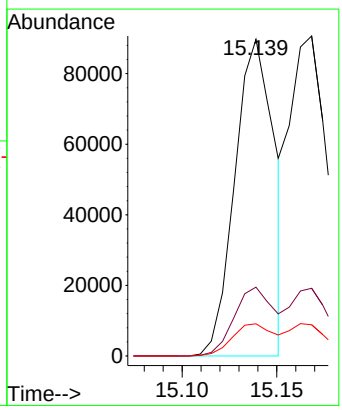
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

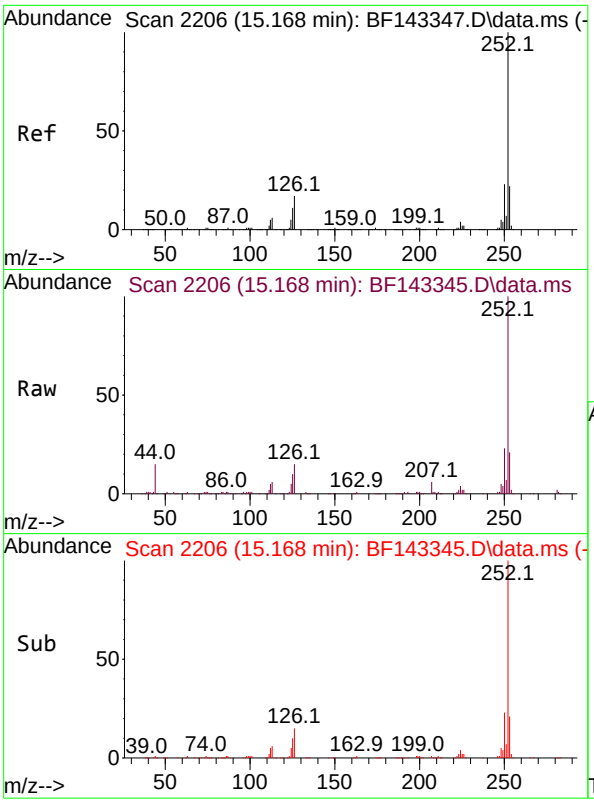


#88
Benzo(b)fluoranthene
Concen: 9.392 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 129605

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	10.2	7.8	11.6

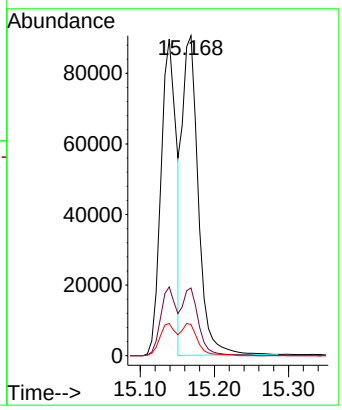




#89
Benzo(k)fluoranthene
Concen: 10.165 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 13629

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	9.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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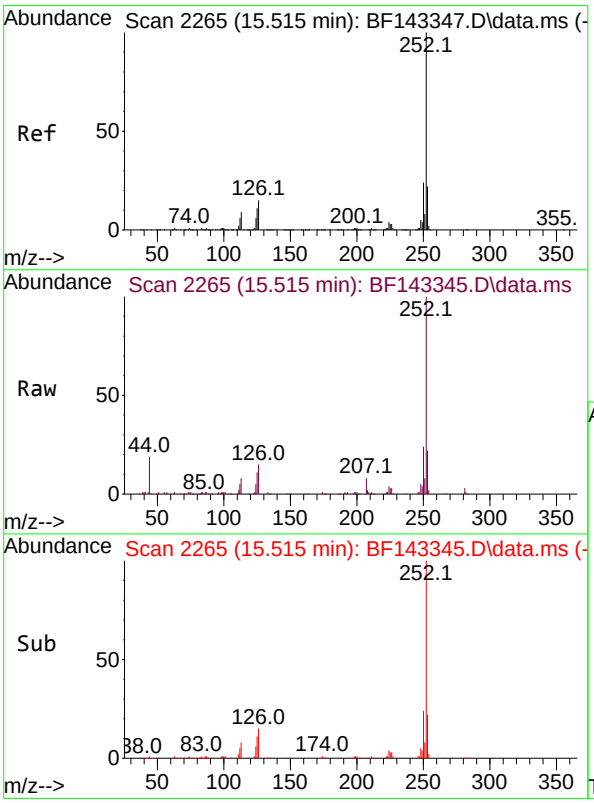
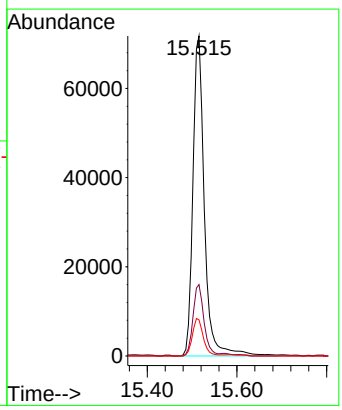
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

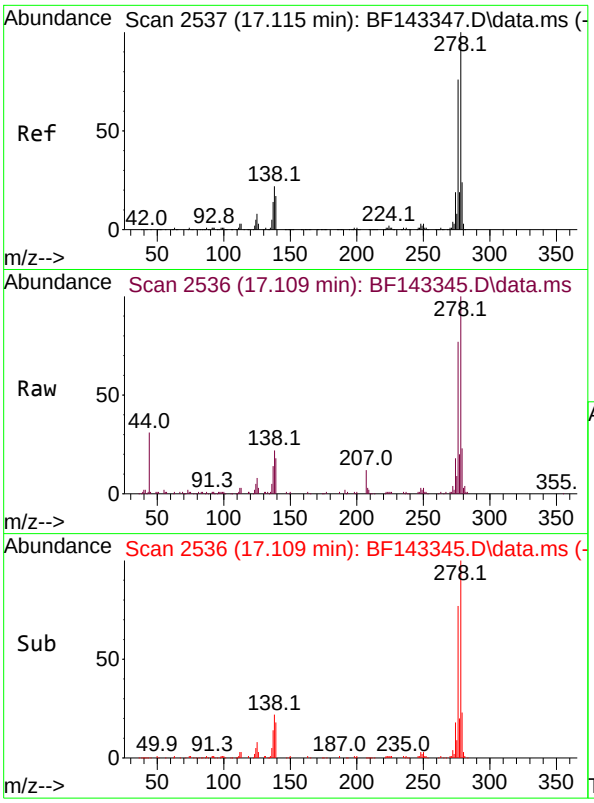


#90
Benzo(a)pyrene
Concen: 9.814 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:252 Resp: 127540

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.3	9.1	13.7

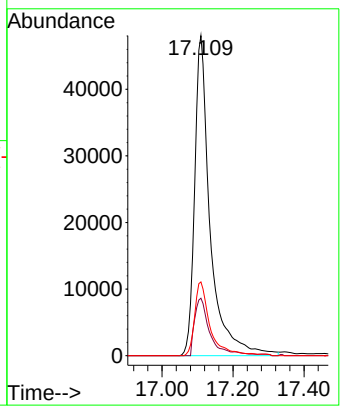




#91
Dibenzo(a,h)anthracene
Concen: 10.148 ng
RT: 17.109 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:278 Resp: 14653

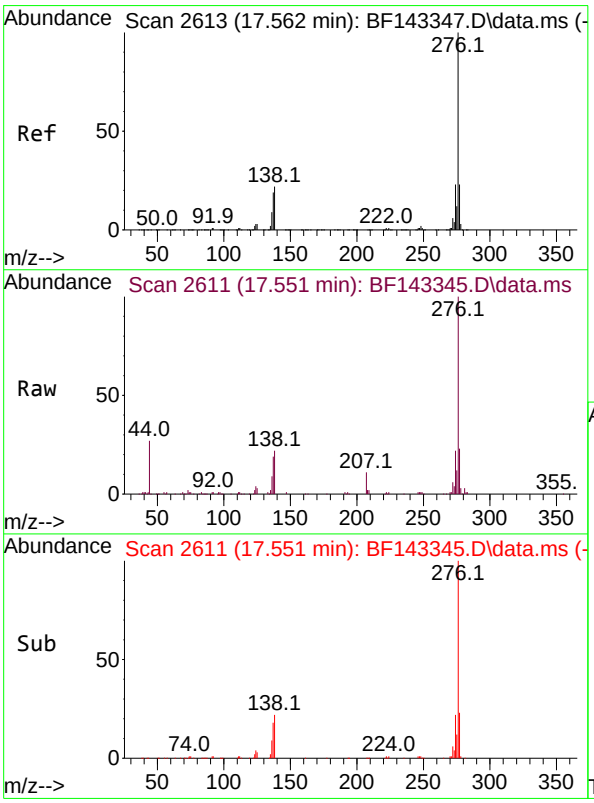
Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.0	21.0
279	23.0	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

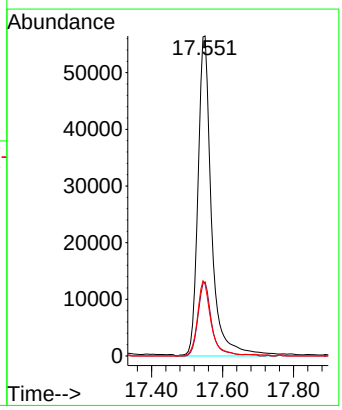
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 10.338 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143345.D
Acq: 12 Aug 2025 10:04

Tgt Ion:276 Resp: 150383

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.7	28.1
138	22.4	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	168701	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	640356	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	345152	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	538915	20.000	ng	0.00
76) Chrysene-d12	14.086	240	307753	20.000	ng	0.00
86) Perylene-d12	15.580	264	306974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	407312	41.751	ng	0.00
7) Phenol-d6	6.557	99	520093	41.573	ng	0.00
23) Nitrobenzene-d5	7.486	82	433525	42.160	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	103035	40.847	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	886799	43.569	ng	0.00
79) Terphenyl-d14	13.027	244	798330	46.313	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	103635	20.529	ng	97
3) Pyridine	3.540	79	269381	20.025	ng	100
4) n-Nitrosodimethylamine	3.463	42	119909	19.135	ng	99
6) Aniline	6.587	93	367374	20.830	ng	99
8) 2-Chlorophenol	6.716	128	214531	20.580	ng	98
9) Benzaldehyde	6.481	77	186638	22.572	ng	99
10) Phenol	6.569	94	310854	20.975	ng	96
11) bis(2-Chloroethyl)ether	6.657	93	224903	20.590	ng	99
12) 1,3-Dichlorobenzene	6.875	146	249994	20.792	ng	99
13) 1,4-Dichlorobenzene	6.945	146	250438	20.753	ng	99
14) 1,2-Dichlorobenzene	7.098	146	237306	20.716	ng	99
15) Benzyl Alcohol	7.063	79	180344	20.110	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	410762	21.064	ng	95
17) 2-Methylphenol	7.175	107	181753	20.655	ng	99
18) Hexachloroethane	7.445	117	77573	20.504	ng	98
19) n-Nitroso-di-n-propyla...	7.334	70	161440	20.884	ng	98
20) 3+4-Methylphenols	7.328	107	231589	21.762	ng	96
22) Acetophenone	7.334	105	304419	21.576	ng	97
24) Nitrobenzene	7.504	77	234624	21.009	ng	98
25) Isophorone	7.745	82	437206	20.827	ng	99
26) 2-Nitrophenol	7.822	139	70117	18.121	ng	96
27) 2,4-Dimethylphenol	7.857	122	184676	21.087	ng	99
28) bis(2-Chloroethoxy)met...	7.951	93	272180	21.236	ng	98
29) 2,4-Dichlorophenol	8.069	162	182884	21.380	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	191714	21.247	ng	99
31) Naphthalene	8.233	128	658723	21.378	ng	100
32) Benzoic acid	7.951	122	54709	19.373	ng	97
33) 4-Chloroaniline	8.275	127	235075	21.152	ng	98
34) Hexachlorobutadiene	8.351	225	119600	21.308	ng	99
35) Caprolactam	8.622	113	46828	19.474	ng	91
36) 4-Chloro-3-methylphenol	8.757	107	189645	21.148	ng	98
37) 2-Methylnaphthalene	8.922	142	436344	21.540	ng	100
38) 1-Methylnaphthalene	9.022	142	417915	21.421	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	198354	21.001	ng	99
41) Hexachlorocyclopentadiene	9.081	237	44965	19.003	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	109203	20.378	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

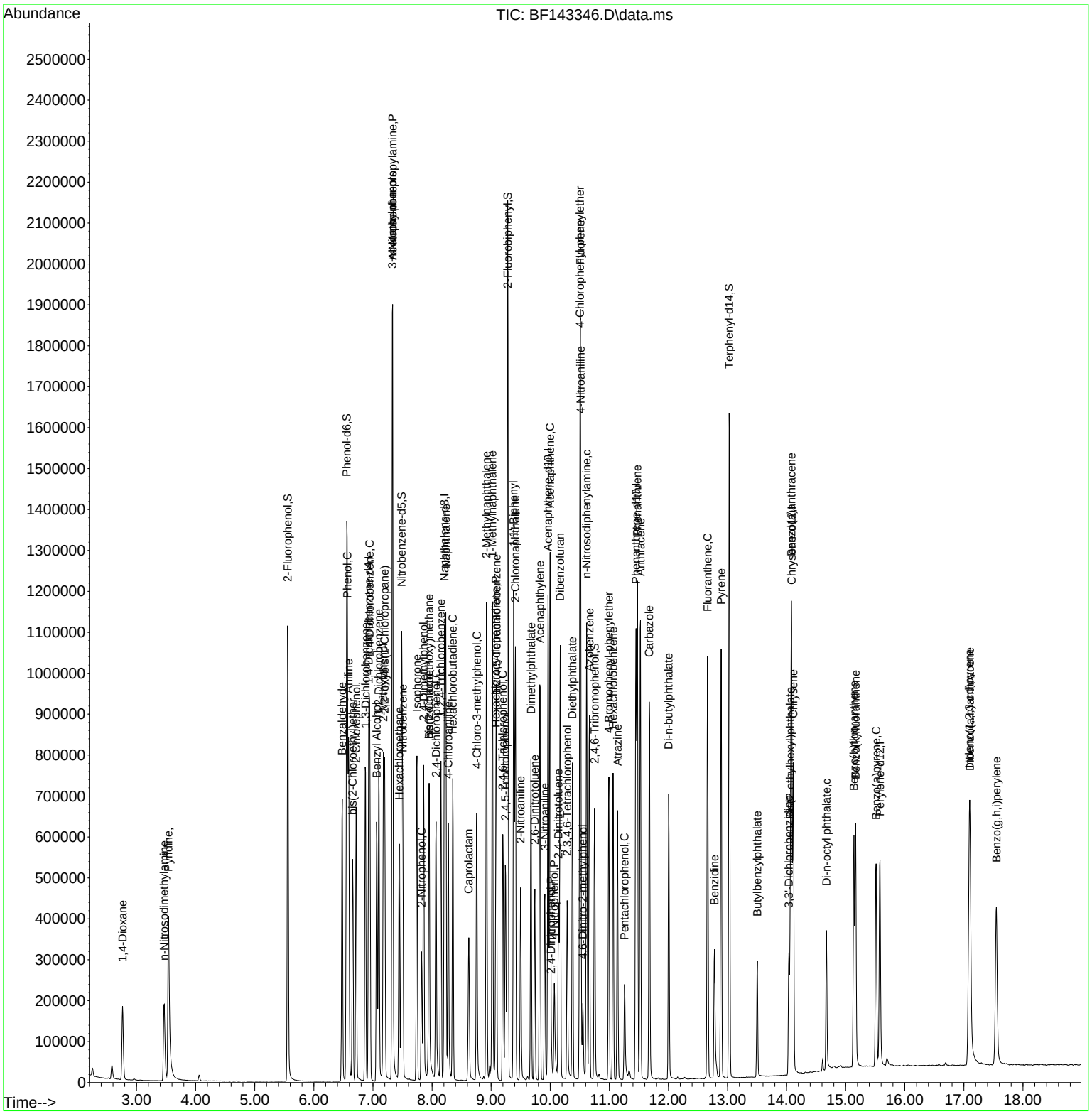
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	126432	20.892	ng		98
46) 1,1'-Biphenyl	9.380	154	523392	21.447	ng		99
47) 2-Chloronaphthalene	9.410	162	407385	21.196	ng		99
48) 2-Nitroaniline	9.498	65	96206	19.121	ng		97
49) Acenaphthylene	9.828	152	593246	21.374	ng		99
50) Dimethylphthalate	9.675	163	429516	21.297	ng		100
51) 2,6-Dinitrotoluene	9.739	165	65043	18.954	ng		95
52) Acenaphthene	9.998	154	386752	20.959	ng		98
53) 3-Nitroaniline	9.910	138	86436	20.928	ng		99
54) 2,4-Dinitrophenol	10.016	184	15765	19.272	ng	#	13
55) Dibenzofuran	10.169	168	564025	21.238	ng		100
56) 4-Nitrophenol	10.069	139	50785	19.809	ng		99
57) 2,4-Dinitrotoluene	10.139	165	88718	19.432	ng		94
58) Fluorene	10.510	166	431847	21.289	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	81483	19.975	ng		99
60) Diethylphthalate	10.375	149	390634	21.624	ng		100
61) 4-Chlorophenyl-phenyle...	10.504	204	207053	21.124	ng		99
62) 4-Nitroaniline	10.516	138	87370	21.864	ng		99
63) Azobenzene	10.663	77	443476	21.493	ng		99
65) 4,6-Dinitro-2-methylph...	10.551	198	29324	18.676	ng		94
66) n-Nitrosodiphenylamine	10.616	169	363227	20.469	ng		100
67) 4-Bromophenyl-phenylether	10.992	248	125072	20.293	ng		97
68) Hexachlorobenzene	11.063	284	134796	20.290	ng		98
69) Atrazine	11.139	200	100549	21.725	ng		100
70) Pentachlorophenol	11.257	266	47147	19.347	ng		99
71) Phenanthrene	11.474	178	622794	21.181	ng		99
72) Anthracene	11.527	178	638169	21.401	ng		98
73) Carbazole	11.674	167	548030	21.580	ng		100
74) Di-n-butylphthalate	12.004	149	479230	22.300	ng		99
75) Fluoranthene	12.663	202	566275	21.986	ng		99
77) Benzidine	12.780	184	201097	23.901	ng		99
78) Pyrene	12.892	202	587878	22.771	ng		100
80) Butylbenzylphthalate	13.504	149	83834	18.636	ng		99
81) Benzo(a)anthracene	14.080	228	412056	21.066	ng		99
82) 3,3'-Dichlorobenzidine	14.039	252	100529	19.033	ng		100
83) Chrysene	14.115	228	369066	20.235	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	107115	17.077	ng		99
85) Di-n-octyl phthalate	14.674	149	213024	18.493	ng		100
87) Indeno(1,2,3-cd)pyrene	17.092	276	454164	20.651	ng		99
88) Benzo(b)fluoranthene	15.139	252	335316	19.971	ng		99
89) Benzo(k)fluoranthene	15.168	252	355480	21.789	ng		99
90) Benzo(a)pyrene	15.515	252	325450	20.580	ng		99
91) Dibenzo(a,h)anthracene	17.104	278	363491	20.688	ng		98
92) Benzo(g,h,i)perylene	17.551	276	364540	20.596	ng		99

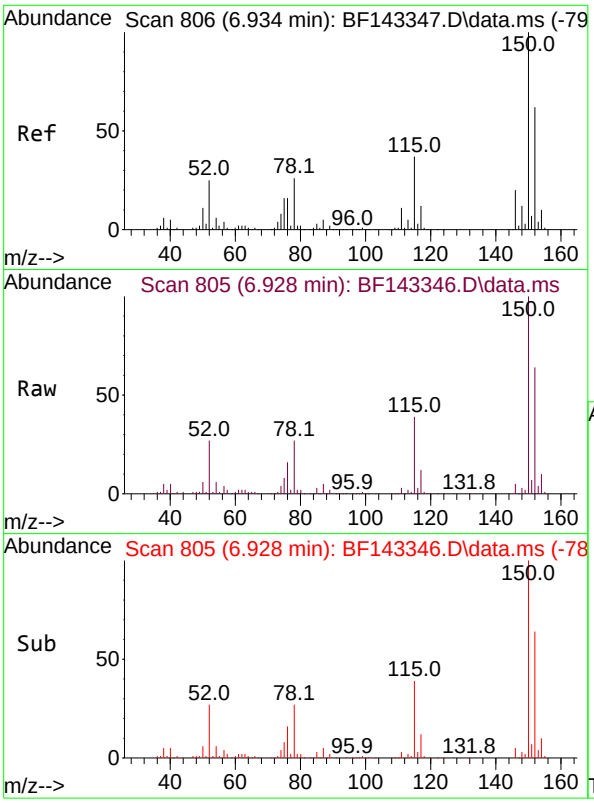
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143346.D
Acq On : 12 Aug 2025 10:35
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Aug 12 13:18:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



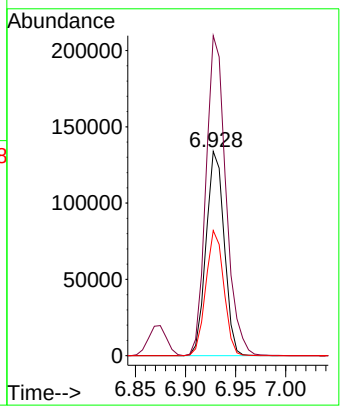


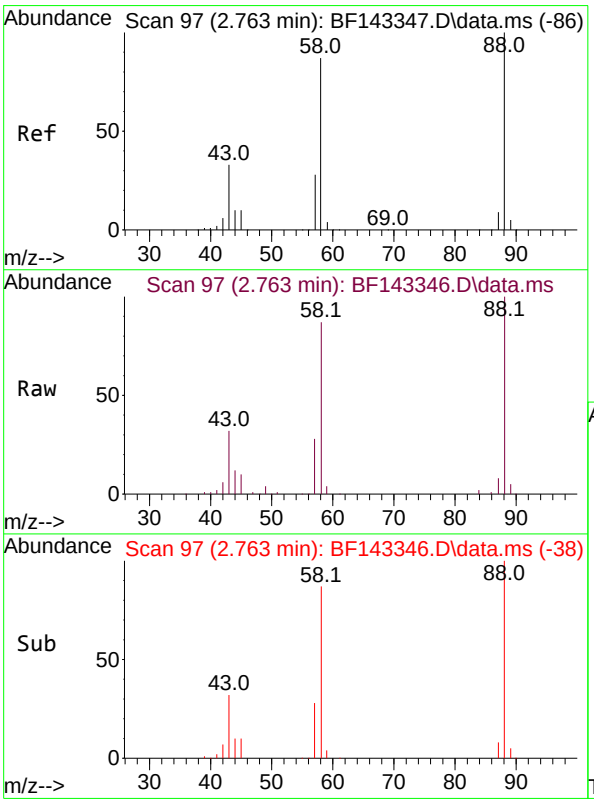
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 168701

Ion	Ratio	Lower	Upper
152	100		
150	156.6	129.8	194.8
115	61.3	47.8	71.8

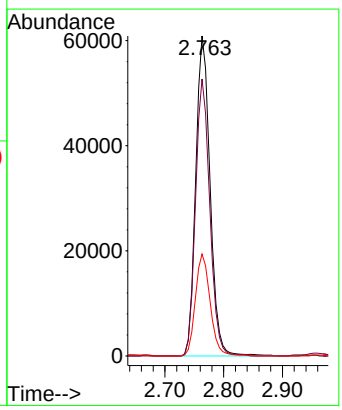


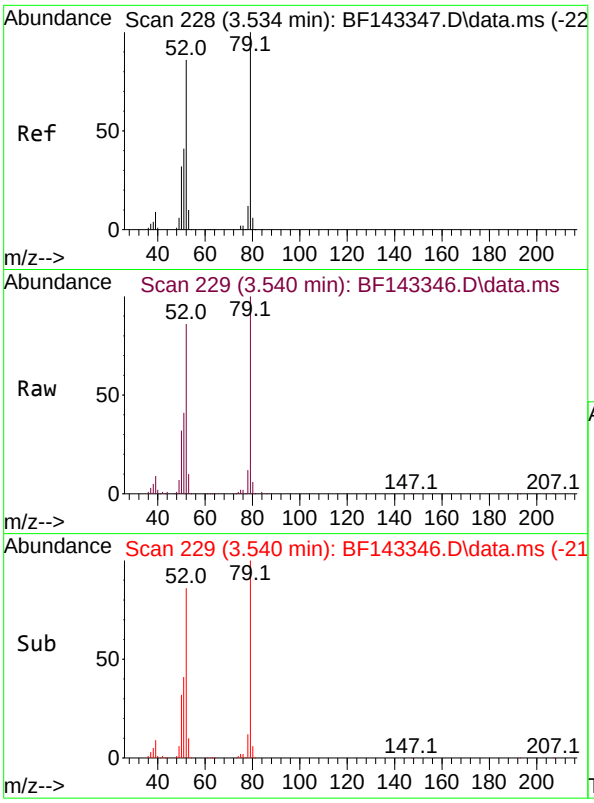


#2
1,4-Dioxane
Concen: 20.529 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 88 Resp: 103635

Ion	Ratio	Lower	Upper
88	100		
58	85.7	71.0	106.6
43	32.6	27.0	40.6



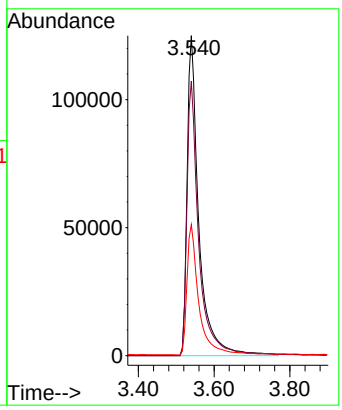


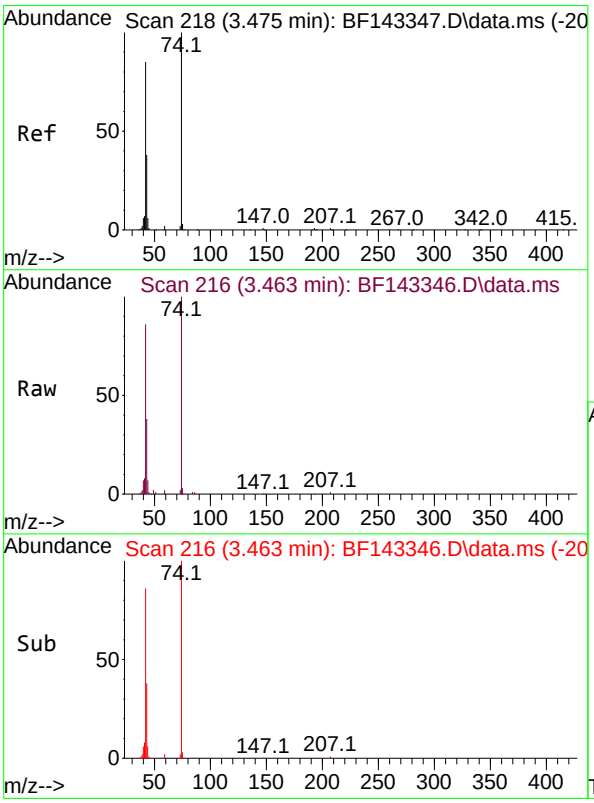
#3
Pyridine
Concen: 20.025 ng
RT: 3.540 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 269381

Ion	Ratio	Lower	Upper
79	100		
52	85.8	68.7	103.1
51	40.9	33.4	50.0

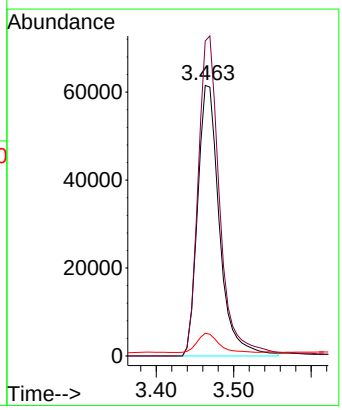


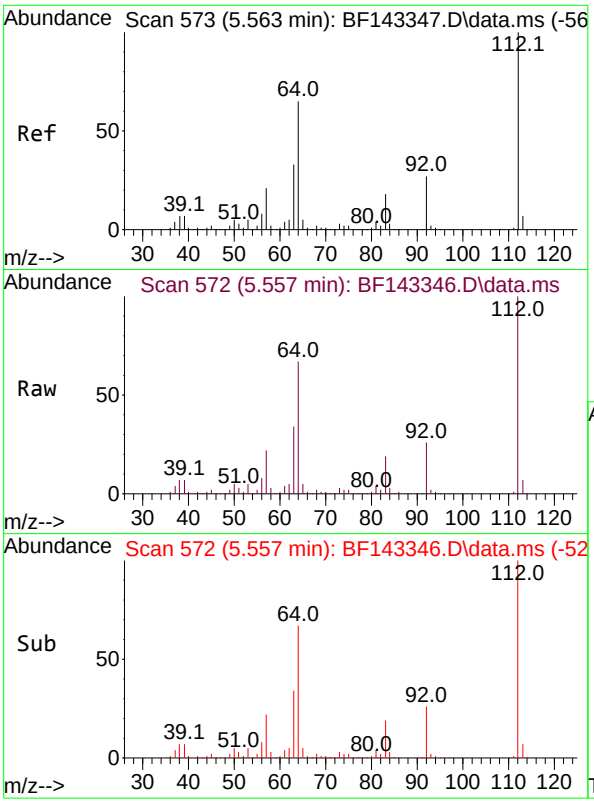


#4
n-Nitrosodimethylamine
Concen: 19.135 ng
RT: 3.463 min Scan# 216
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 42 Resp: 119909

Ion	Ratio	Lower	Upper
42	100		
74	116.4	94.1	141.1
44	8.4	6.5	9.7



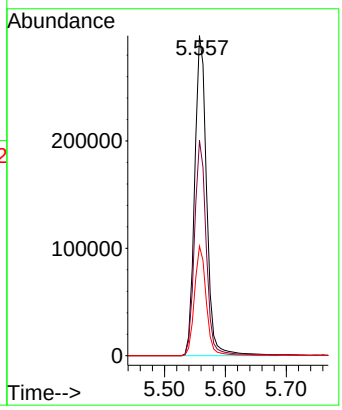


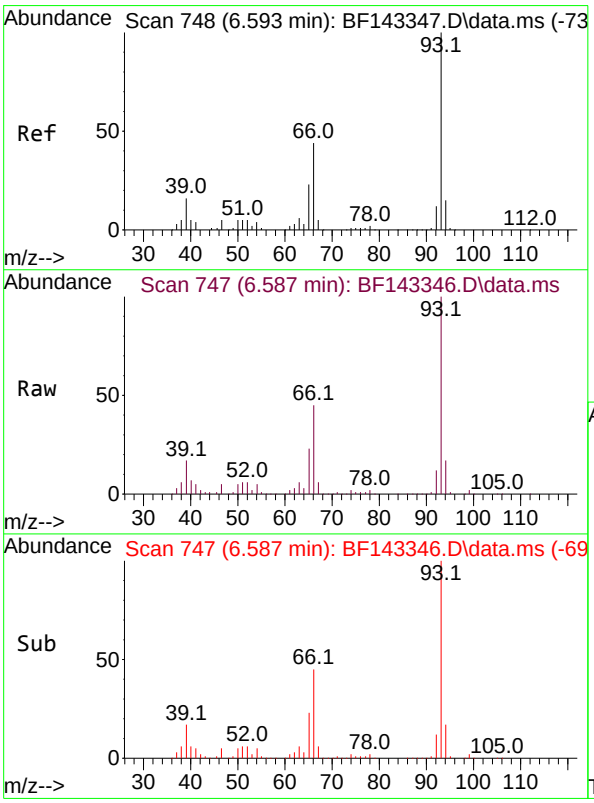
#5
2-Fluorophenol
Concen: 41.751 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 407312

Ion	Ratio	Lower	Upper
112	100		
64	67.2	52.1	78.1
63	34.2	26.6	39.8

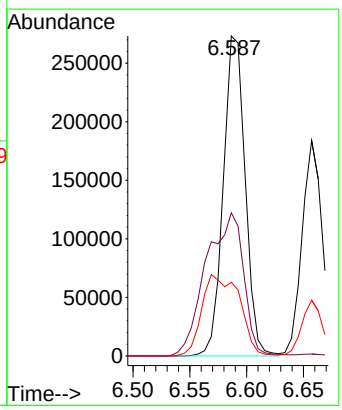


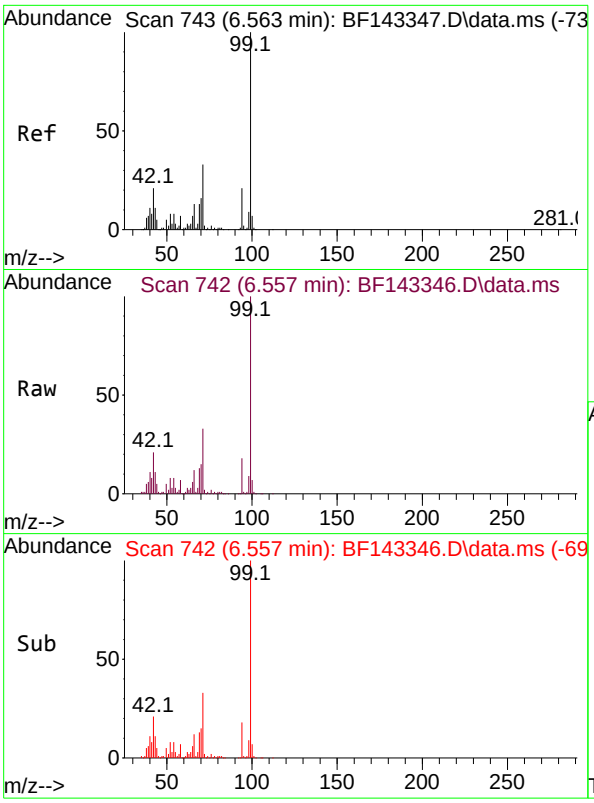


#6
Aniline
Concen: 20.830 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 93 Resp: 367374

Ion	Ratio	Lower	Upper
93	100		
66	44.7	35.3	52.9
65	23.0	18.2	27.4



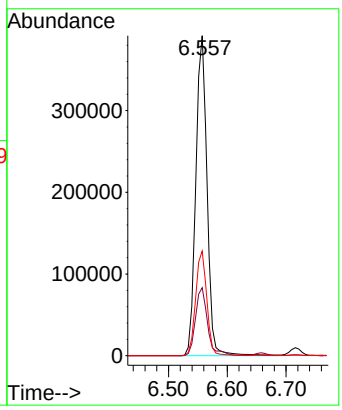


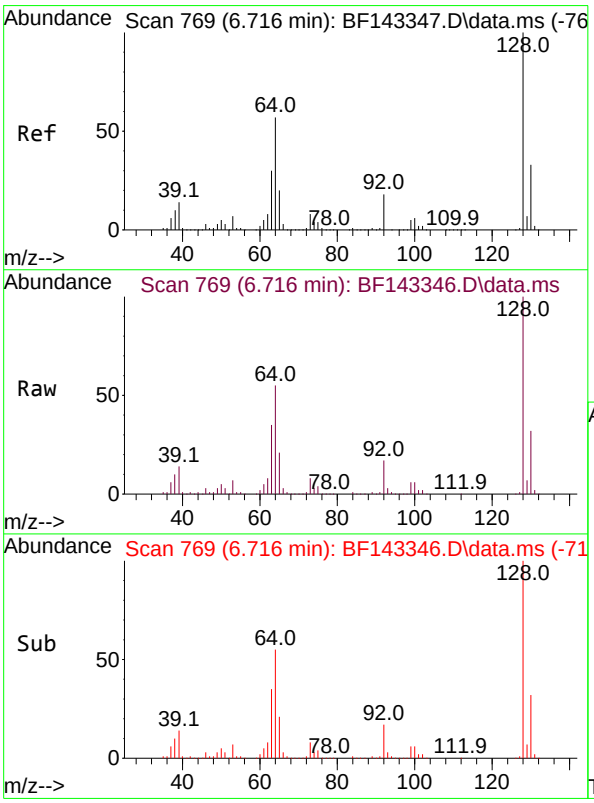
#7
Phenol-d6
Concen: 41.573 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 520093

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.6	25.0
71	32.7	26.2	39.2

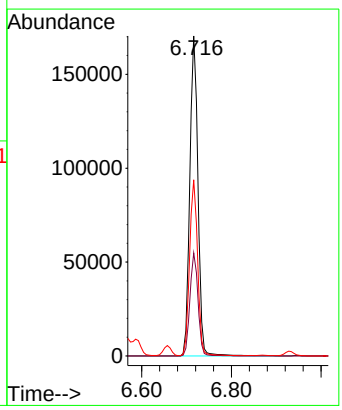


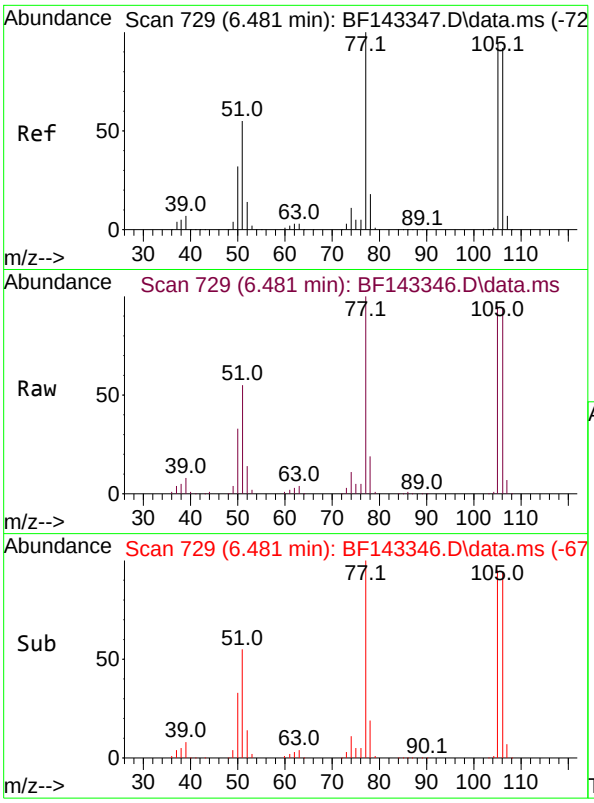


#8
2-Chlorophenol
Concen: 20.580 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:128 Resp: 214531

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	55.1	36.7	76.7



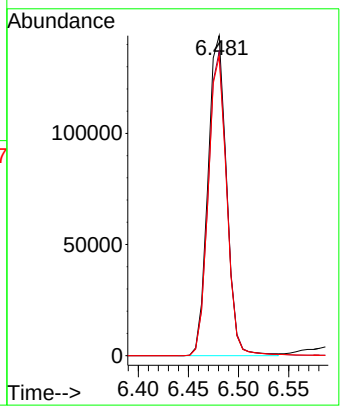


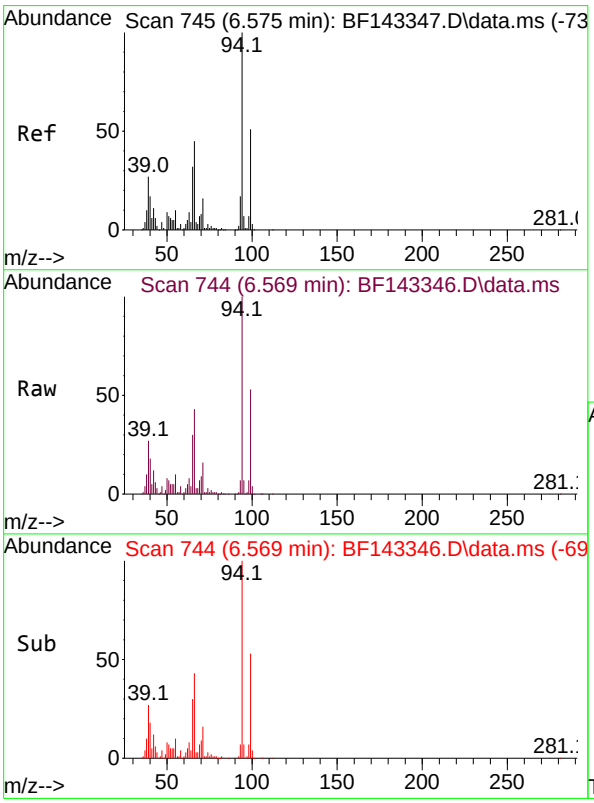
#9
Benzaldehyde
Concen: 22.572 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 186638

Ion	Ratio	Lower	Upper
77	100		
105	95.0	74.2	114.2
106	93.5	72.2	112.2

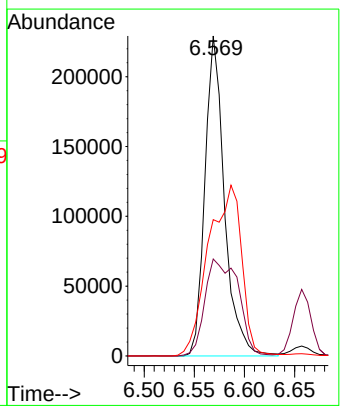


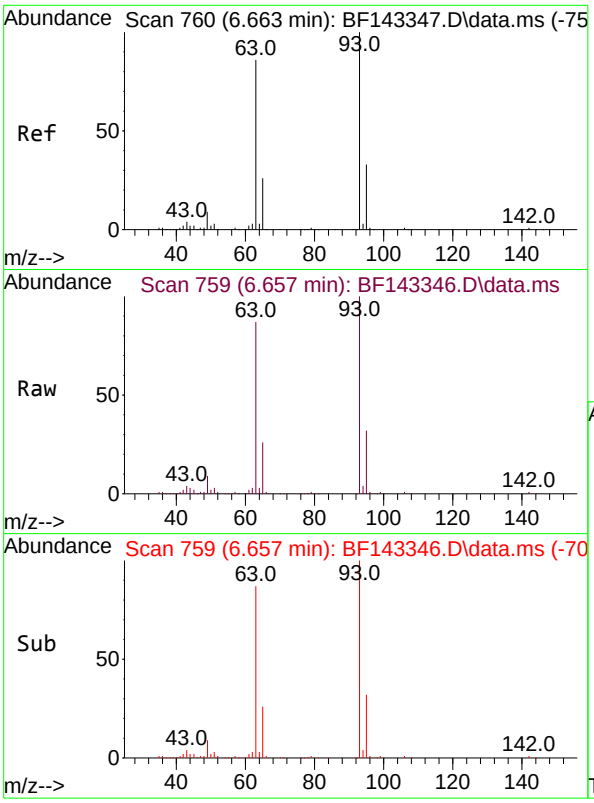


#10
Phenol
Concen: 20.975 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 94 Resp: 310854

Ion	Ratio	Lower	Upper
94	100		
65	30.3	12.0	52.0
66	42.6	25.6	65.6



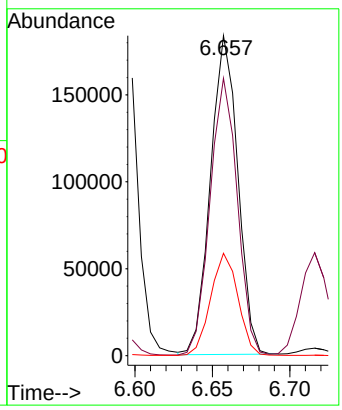


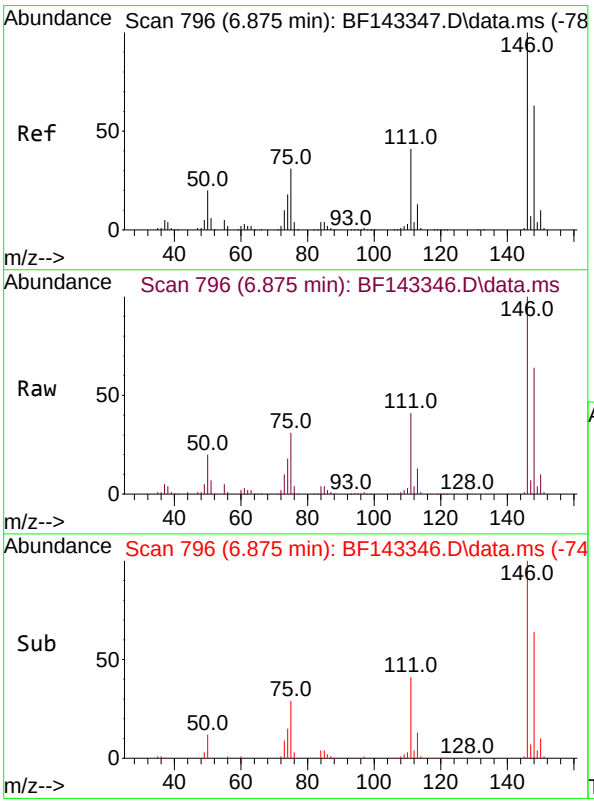
#11
bis(2-Chloroethyl)ether
Concen: 20.590 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 224903

Ion	Ratio	Lower	Upper
93	100		
63	86.7	65.7	105.7
95	32.0	13.0	53.0

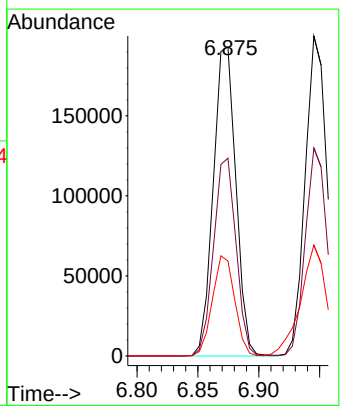


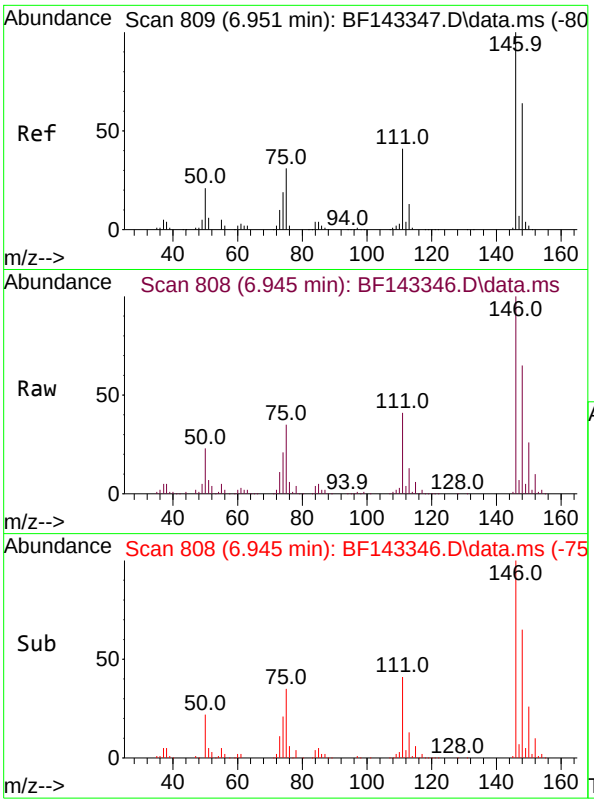


#12
1,3-Dichlorobenzene
Concen: 20.792 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:146 Resp: 249994

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
75	30.7	24.9	37.3



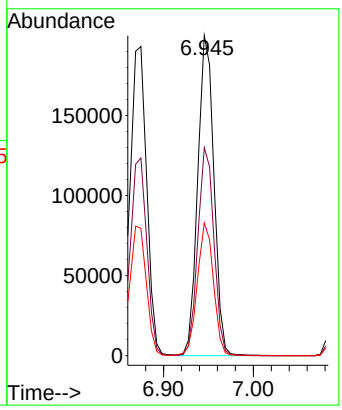


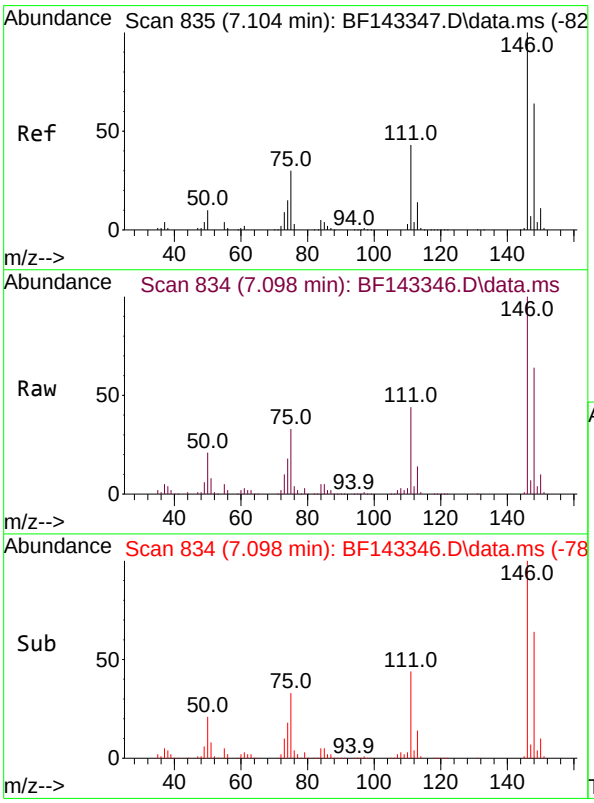
#13
1,4-Dichlorobenzene
Concen: 20.753 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 250438

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.0
111	41.4	32.6	48.8

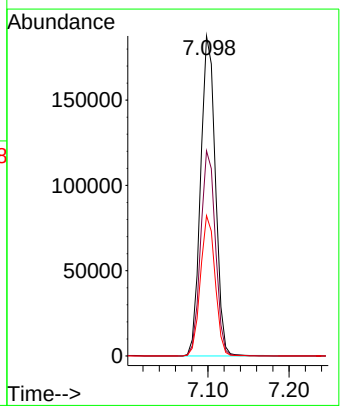


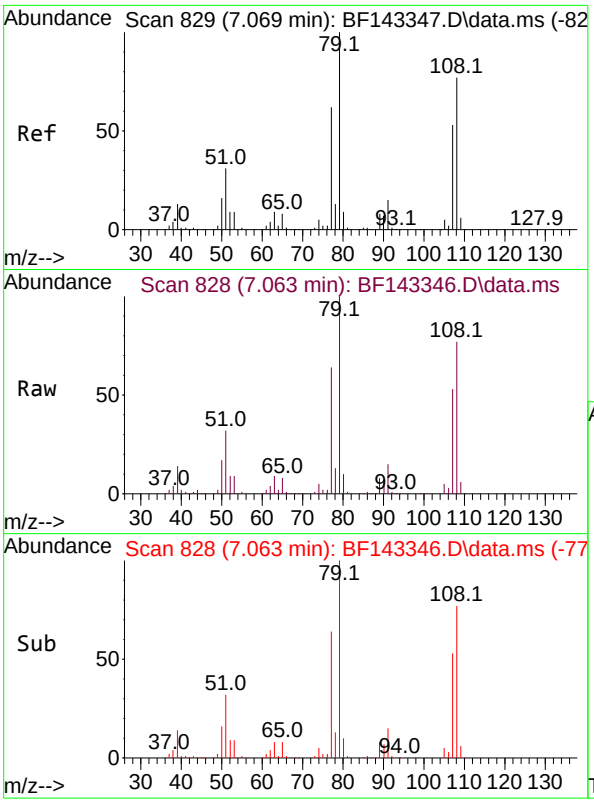


#14
1,2-Dichlorobenzene
Concen: 20.716 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:146 Resp: 237306

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	43.8	34.1	51.1



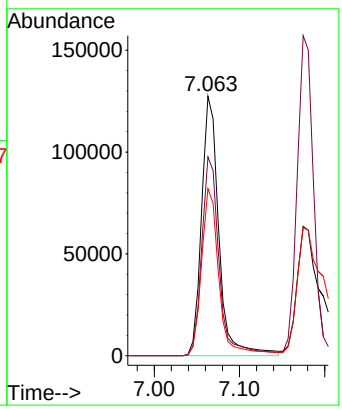


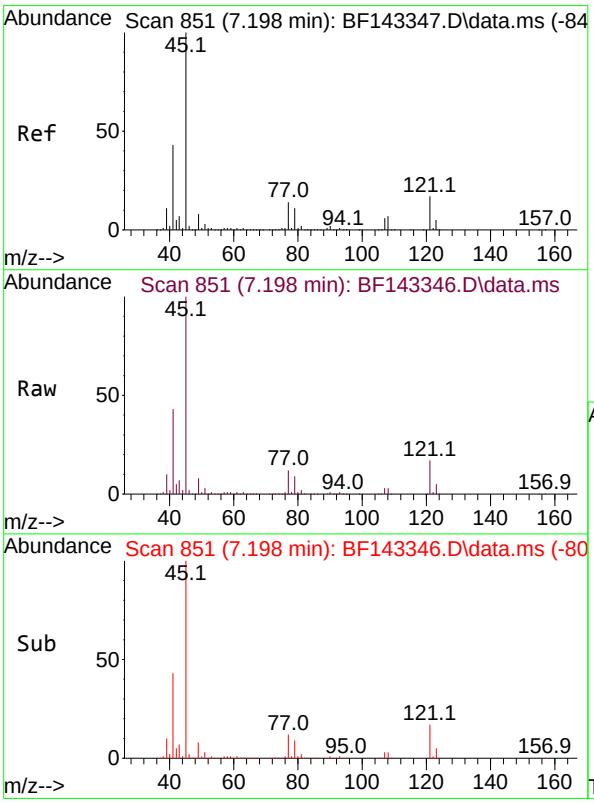
#15
Benzyl Alcohol
Concen: 20.110 ng
RT: 7.063 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 180344

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.5	92.3
77	64.4	49.8	74.8

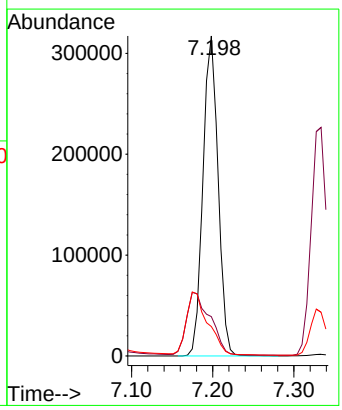


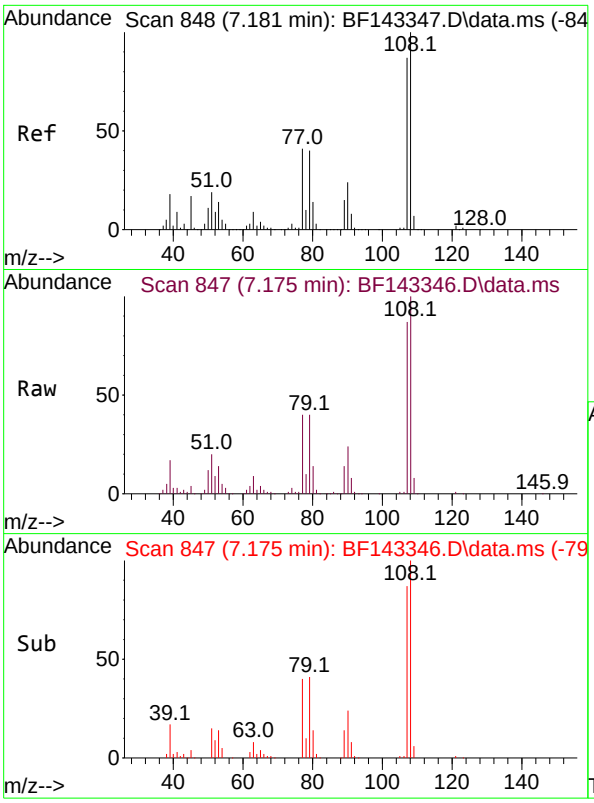


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.064 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 45 Resp: 410762

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	34.0
79	9.2	0.0	31.1



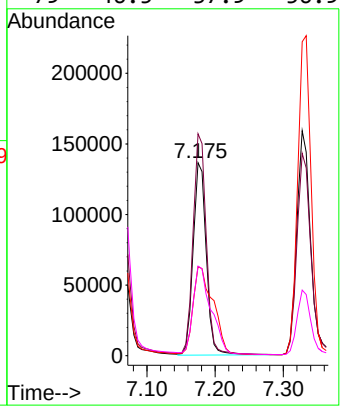


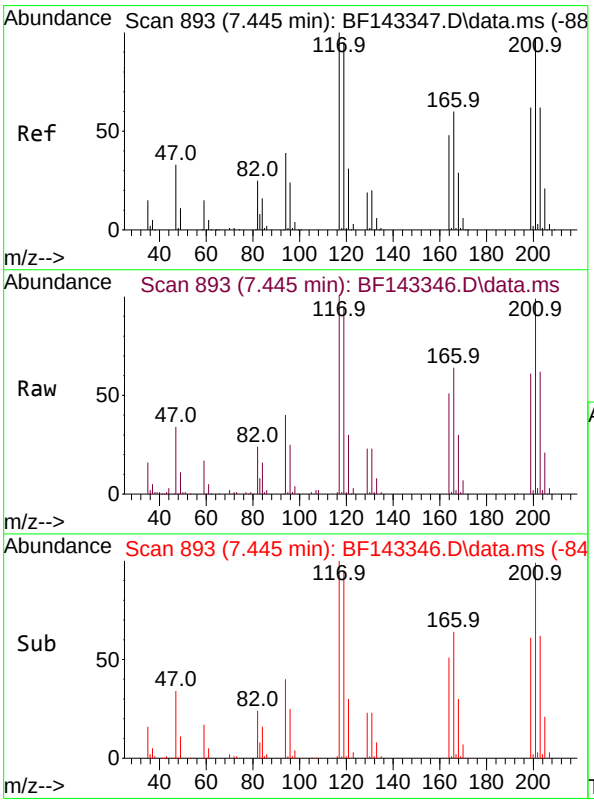
#17
2-Methylphenol
Concen: 20.655 ng
RT: 7.175 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 181753

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	46.1	38.2	57.2
79	46.5	37.9	56.9

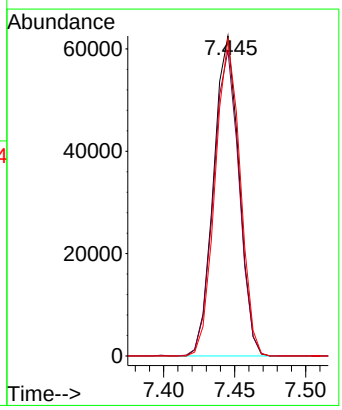


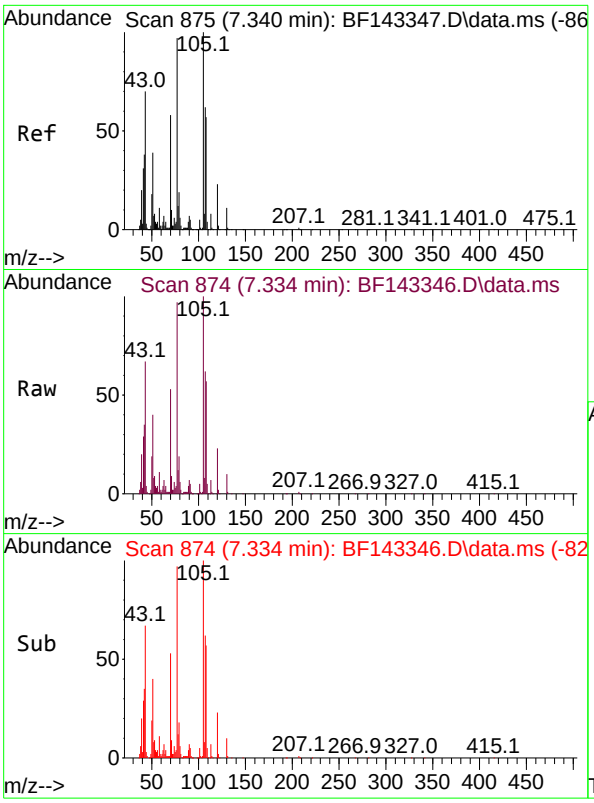


#18
Hexachloroethane
Concen: 20.504 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:117 Resp: 77573

Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.8	113.8
201	99.0	77.2	115.8



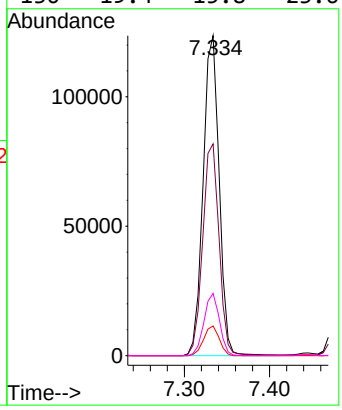


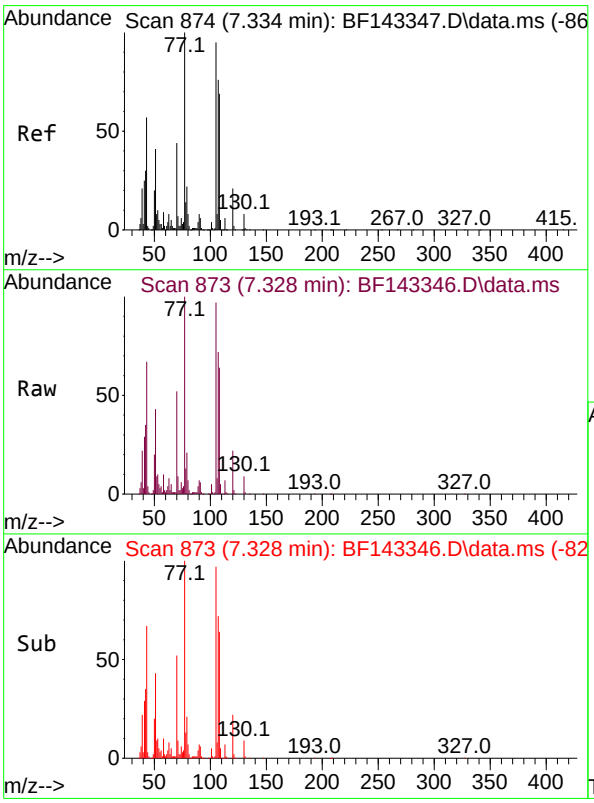
#19
n-Nitroso-di-n-propylamine
Concen: 20.884 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 161440

Ion	Ratio	Lower	Upper
70	100		
42	66.2	51.6	77.4
101	9.3	7.5	11.3
130	19.4	15.8	23.6

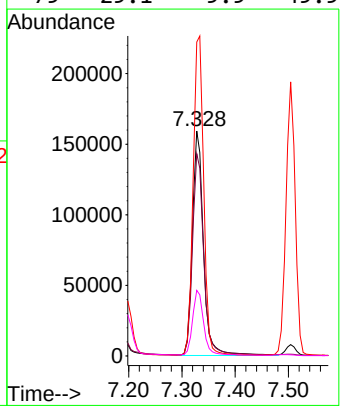


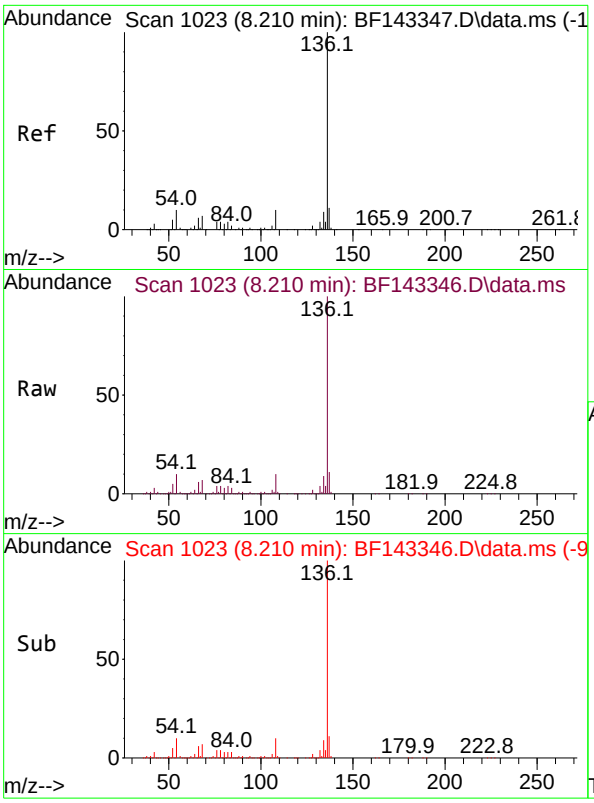


#20
3+4-Methylphenols
Concen: 21.762 ng
RT: 7.328 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:107 Resp: 231589

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.6	110.6
77	139.5	112.0	152.0
79	29.1	9.9	49.9



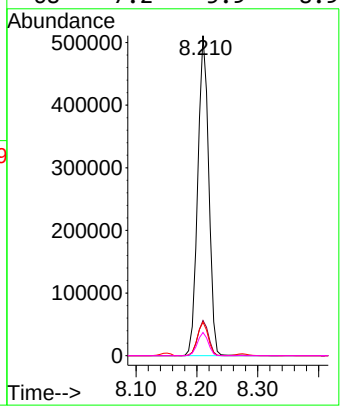


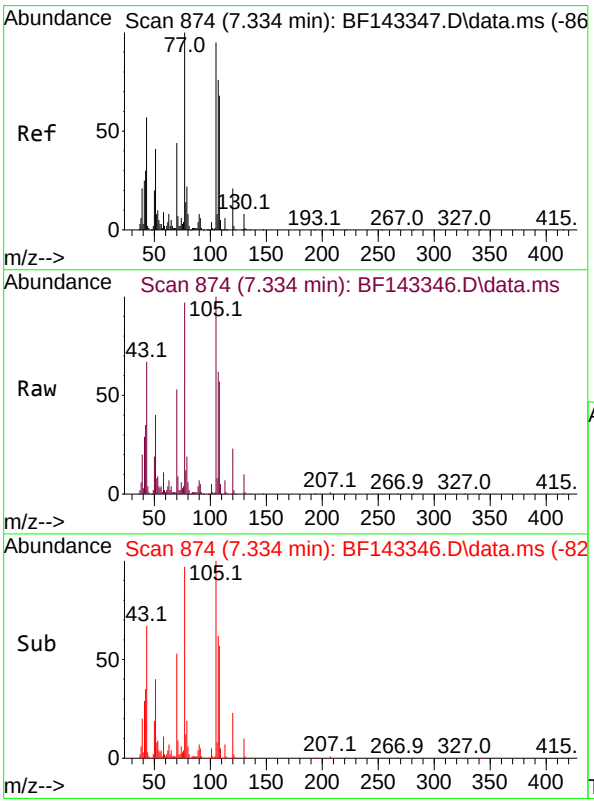
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 640356

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.4	12.6
68	7.2	5.9	8.9

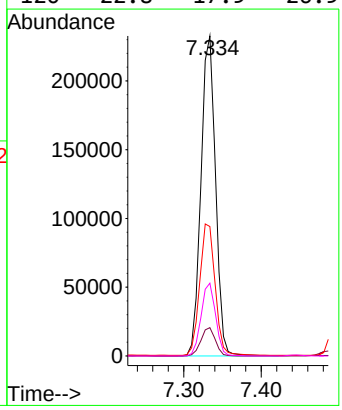


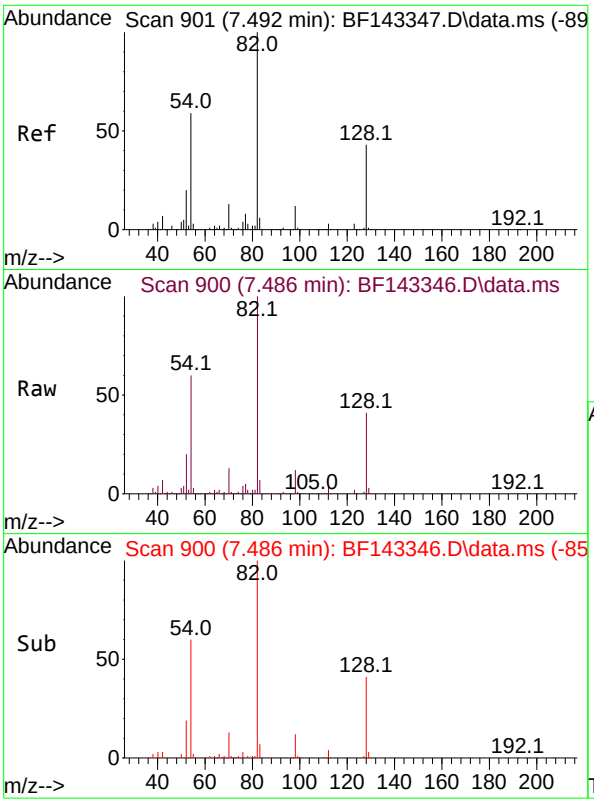


#22
Acetophenone
Concen: 21.576 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:105 Resp: 304419

Ion	Ratio	Lower	Upper
105	100		
71	8.8	6.2	9.4
51	40.5	34.8	52.2
120	22.8	17.9	26.9



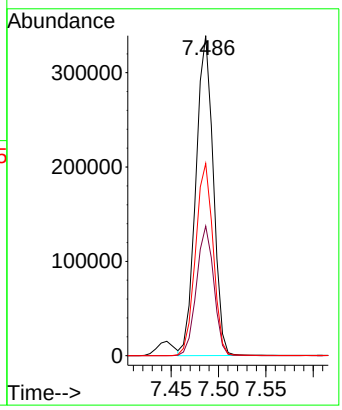


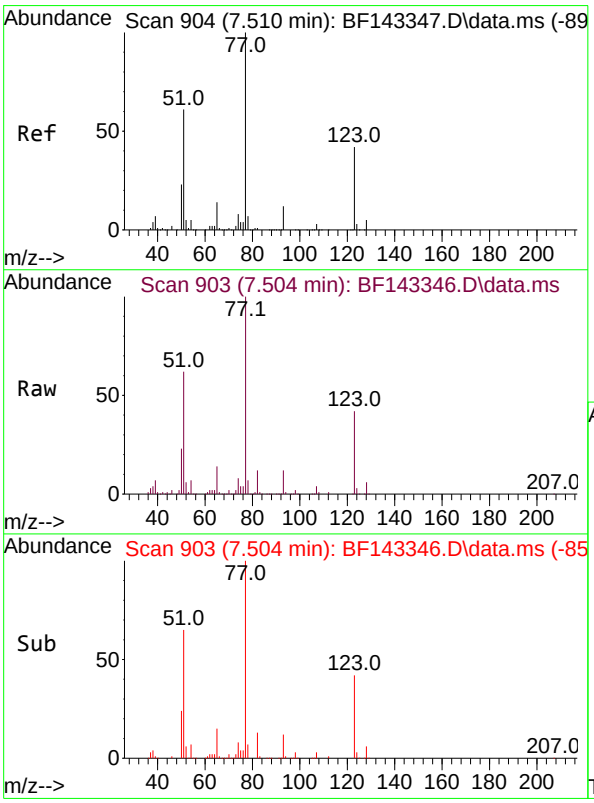
#23
Nitrobenzene-d5
Concen: 42.160 ng
RT: 7.486 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 433525

Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.5	50.3
54	60.0	46.7	70.1

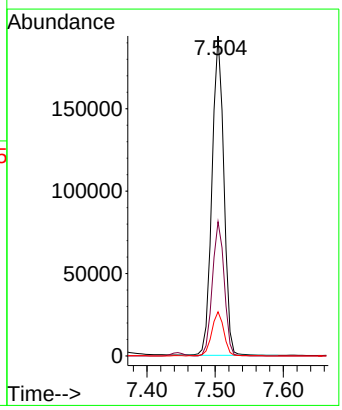


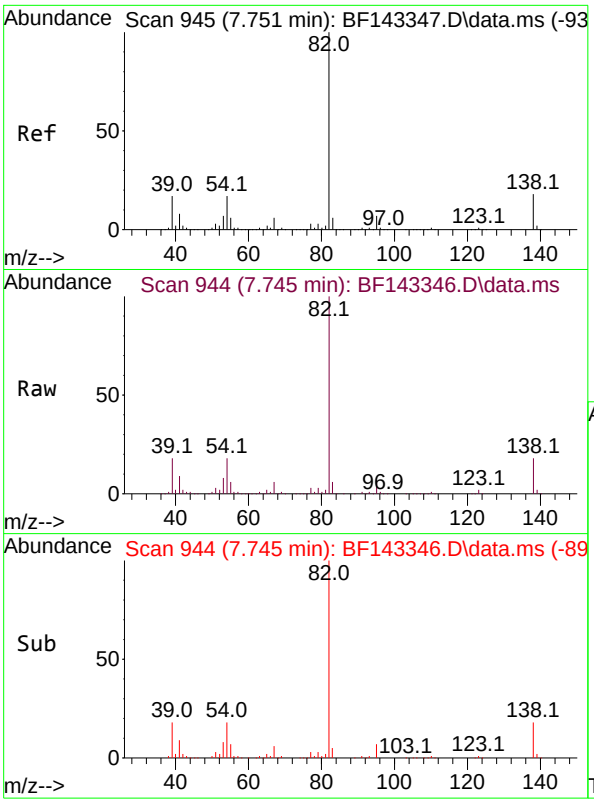


#24
Nitrobenzene
Concen: 21.009 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 77 Resp: 234624

Ion	Ratio	Lower	Upper
77	100		
123	41.9	34.8	52.2
65	13.8	11.0	16.6



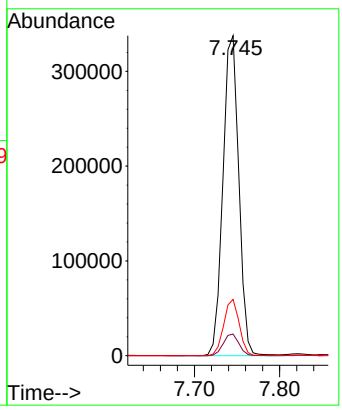


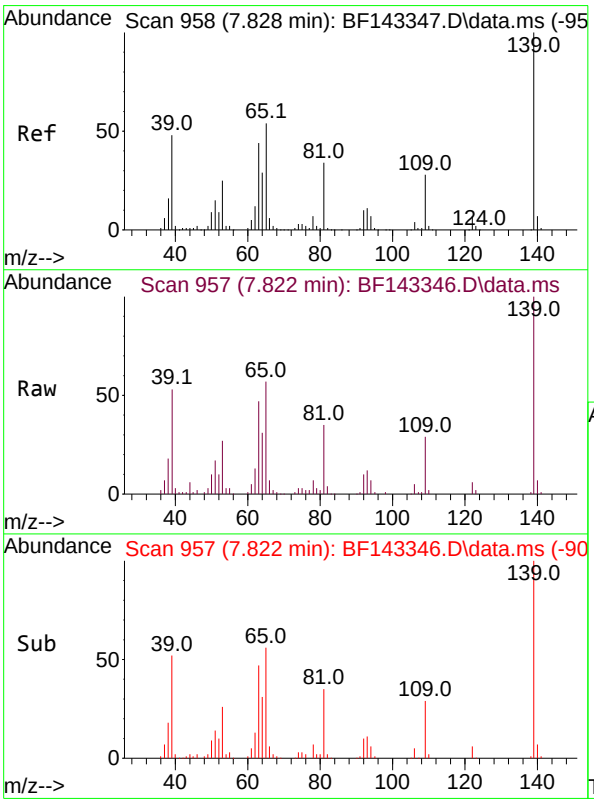
#25
Isophorone
Concen: 20.827 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 437206

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.6	14.6	21.8

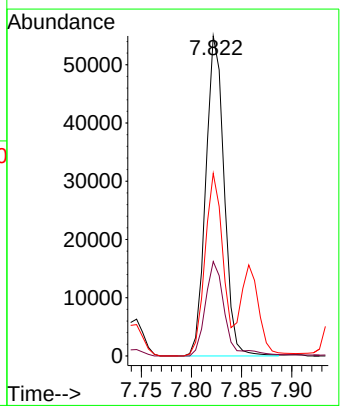


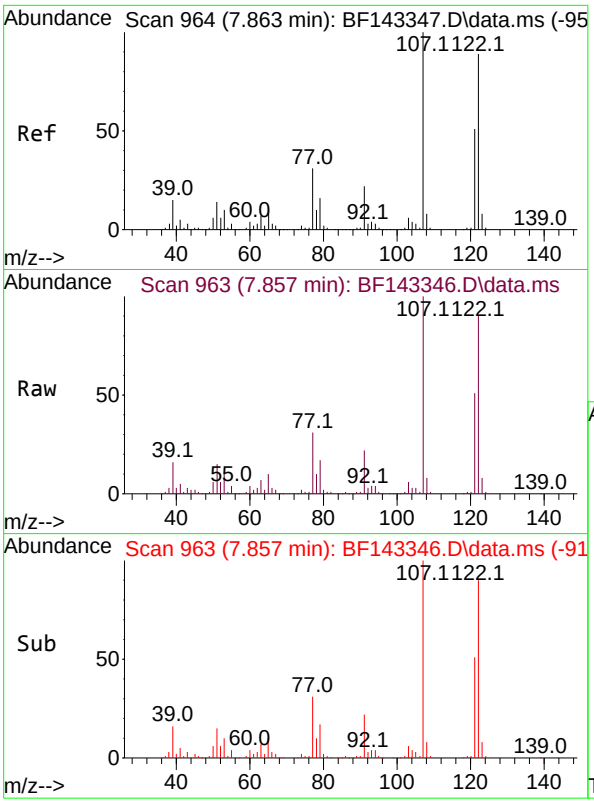


#26
2-Nitrophenol
Concen: 18.121 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:139 Resp: 70117

Ion	Ratio	Lower	Upper
139	100		
109	29.5	22.4	33.6
65	57.1	42.9	64.3



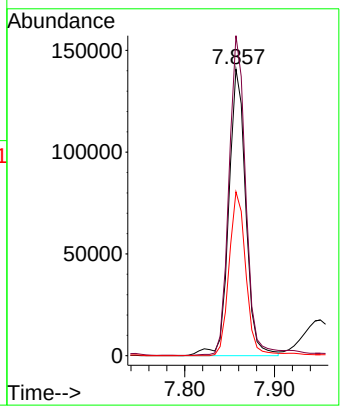


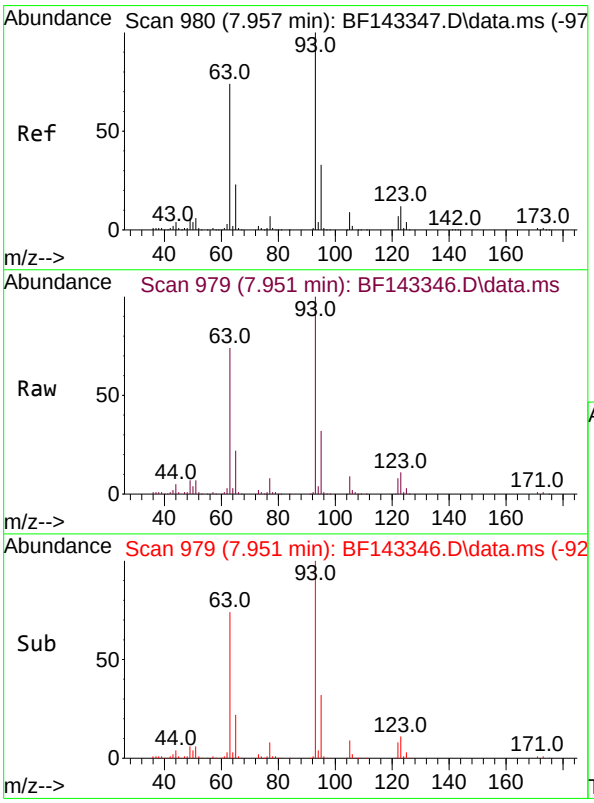
#27
2,4-Dimethylphenol
Concen: 21.087 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 184676

Ion	Ratio	Lower	Upper
122	100		
107	111.7	89.9	134.9
121	57.2	46.2	69.4

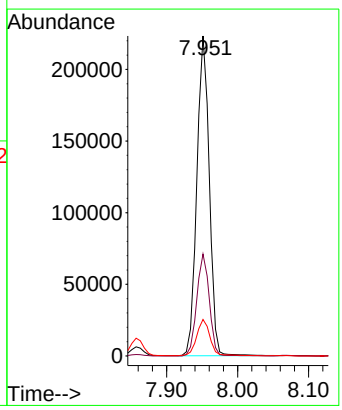


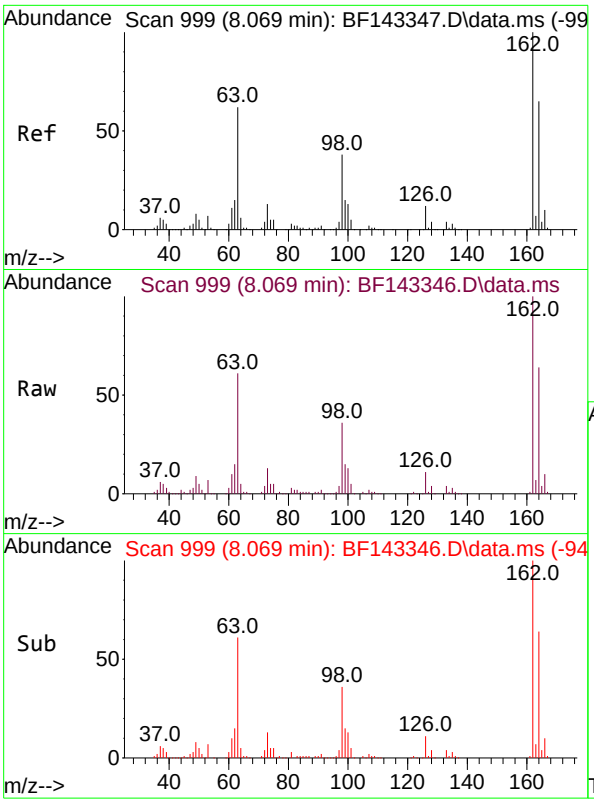


#28
bis(2-Chloroethoxy)methane
Concen: 21.236 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 93 Resp: 272180

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.4
123	11.4	9.4	14.2



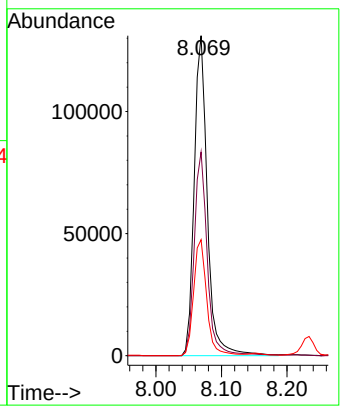


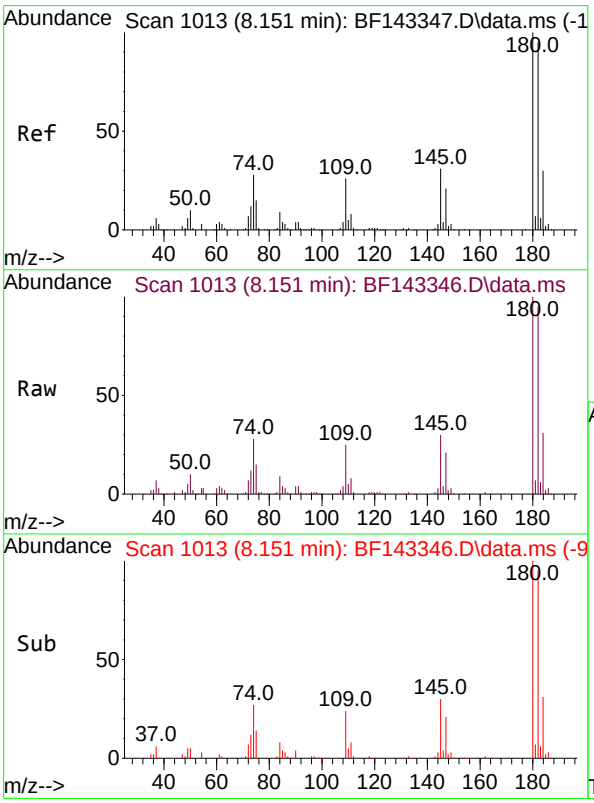
#29
2,4-Dichlorophenol
Concen: 21.380 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 182884

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.5	84.5
98	36.2	17.7	57.7

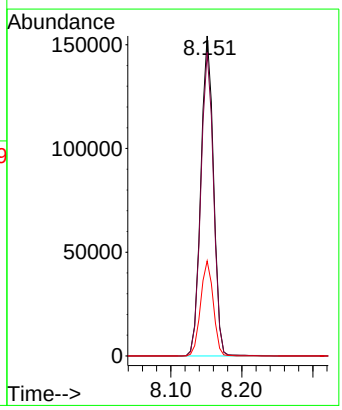


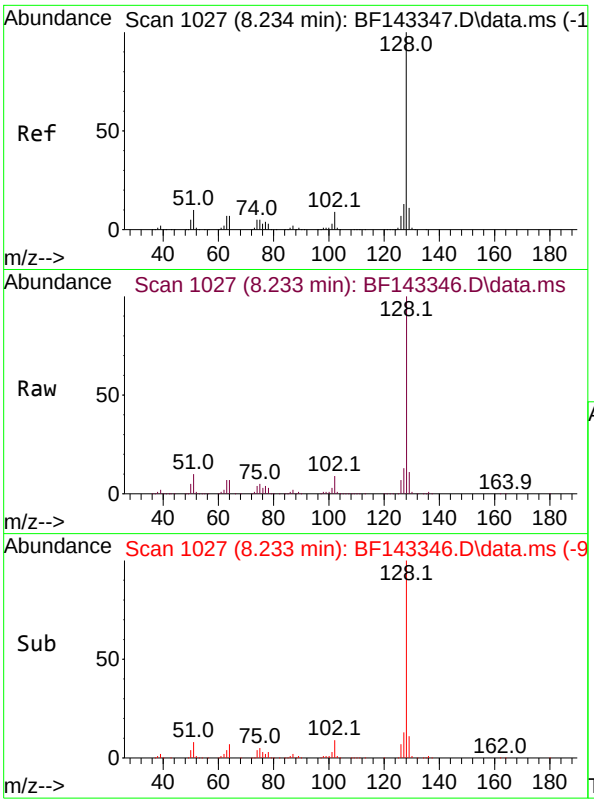


#30
1,2,4-Trichlorobenzene
Concen: 21.247 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:180 Resp: 191714

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.1	114.1
145	29.7	24.9	37.3



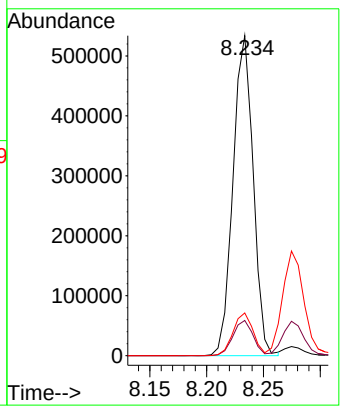


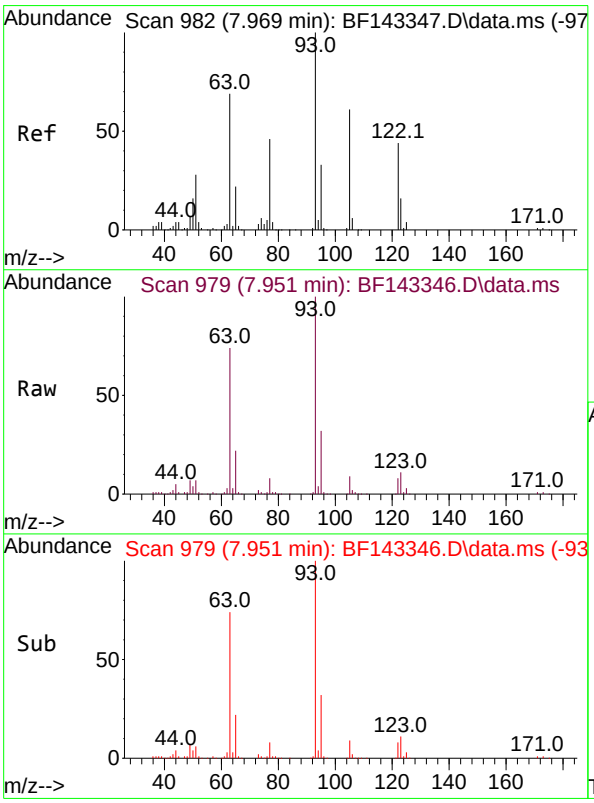
#31
Naphthalene
Concen: 21.378 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 658723

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.4	10.7	16.1

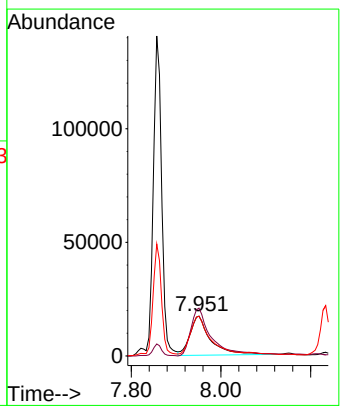


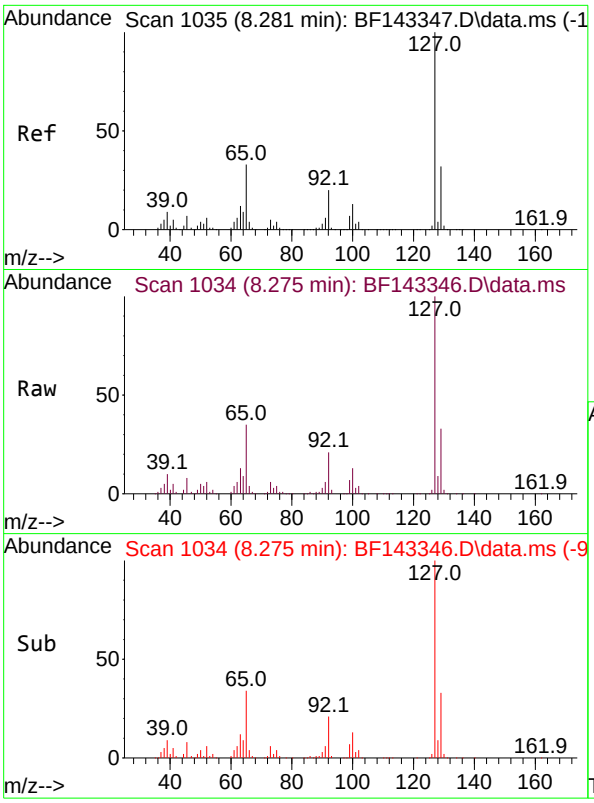


#32
Benzoic acid
Concen: 19.373 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:122 Resp: 54709

Ion	Ratio	Lower	Upper
122	100		
105	120.0	106.4	146.4
77	99.4	79.2	119.2



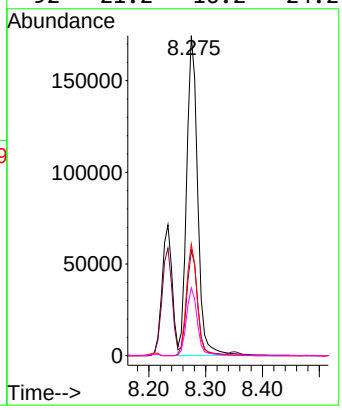


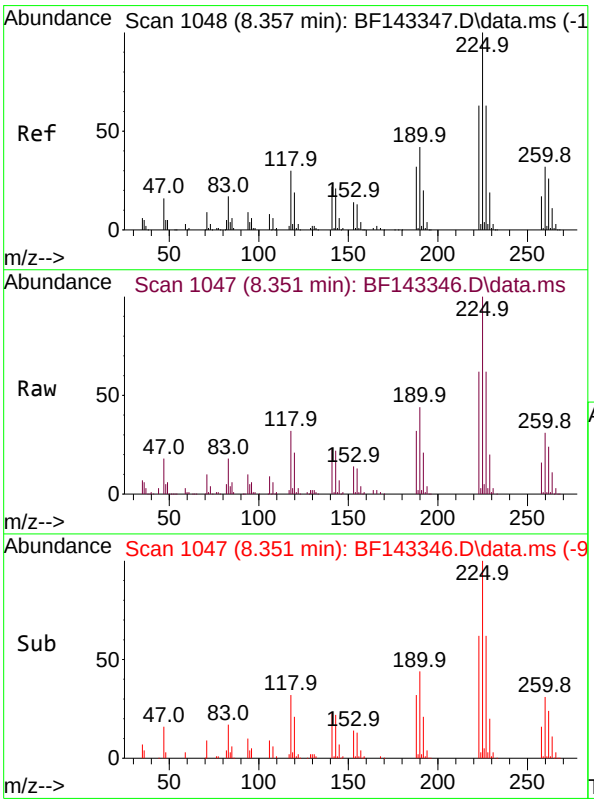
#33
4-Chloroaniline
Concen: 21.152 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 235075

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	34.8	27.0	40.4
92	21.2	16.2	24.2

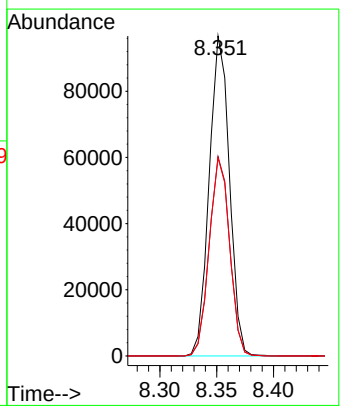


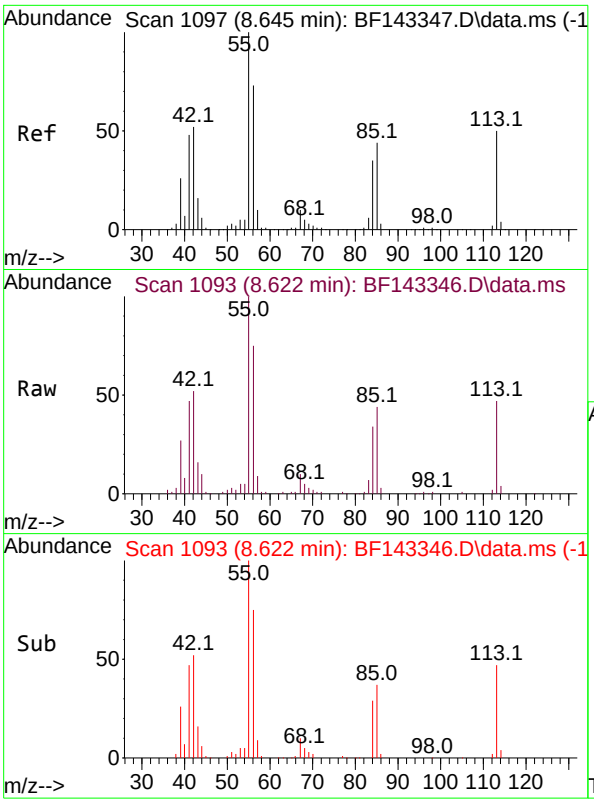


#34
Hexachlorobutadiene
Concen: 21.308 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:225 Resp: 119600

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.1	75.1
227	61.9	50.6	75.8



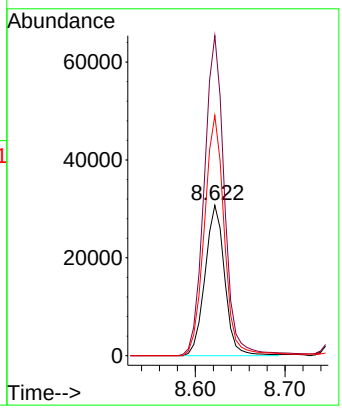


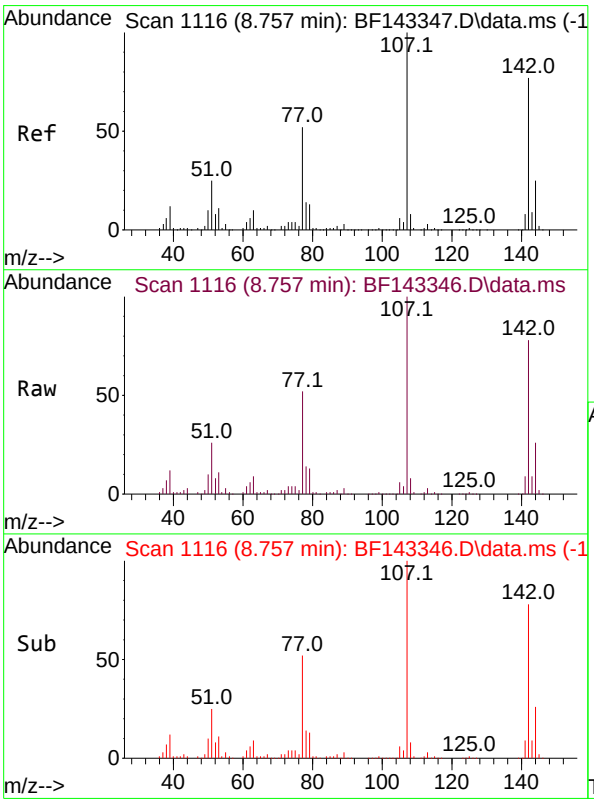
#35
Caprolactam
Concen: 19.474 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 46828

Ion	Ratio	Lower	Upper
113	100		
55	212.8	181.4	221.4
56	159.7	127.3	167.3

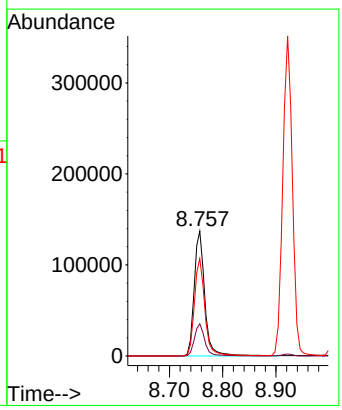


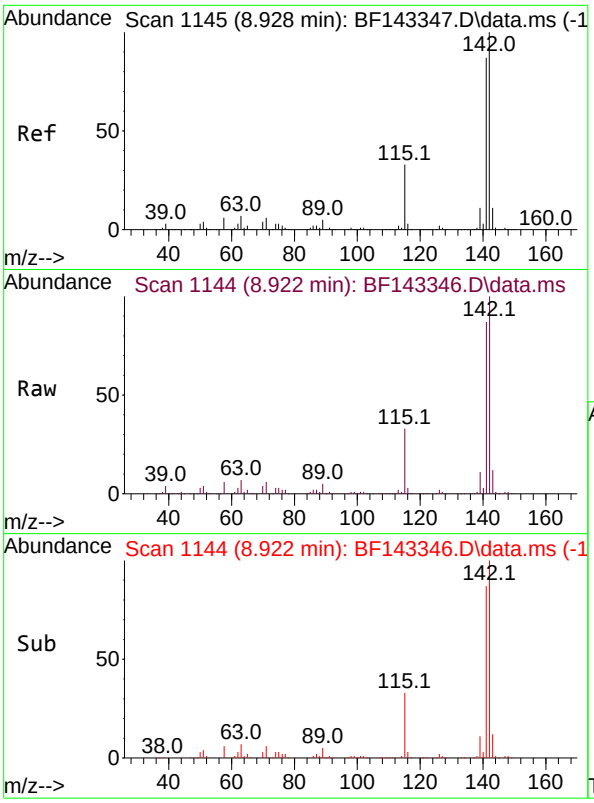


#36
4-Chloro-3-methylphenol
Concen: 21.148 ng
RT: 8.757 min Scan# 1116
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:107 Resp: 189645

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.0	30.0
142	78.0	61.3	91.9



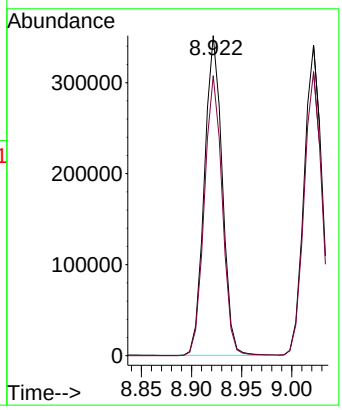


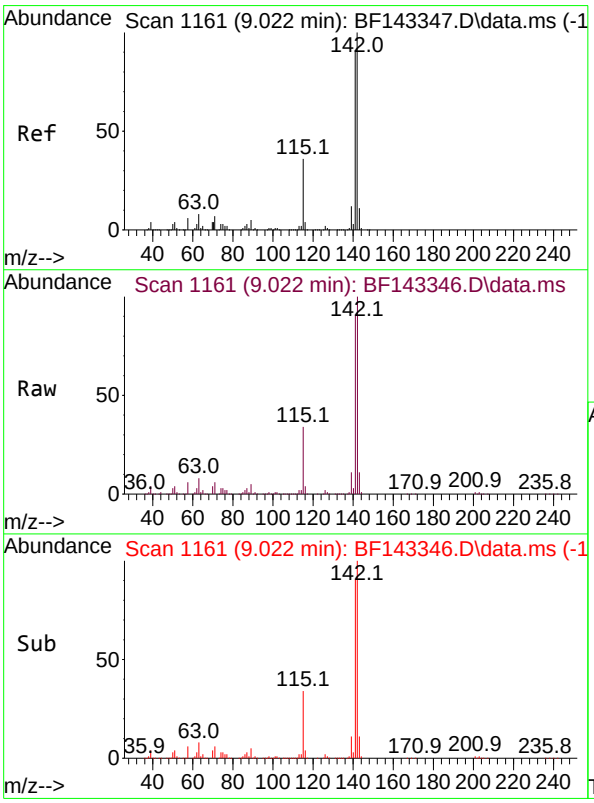
#37
2-Methylnaphthalene
Concen: 21.540 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 436344

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.8	104.8

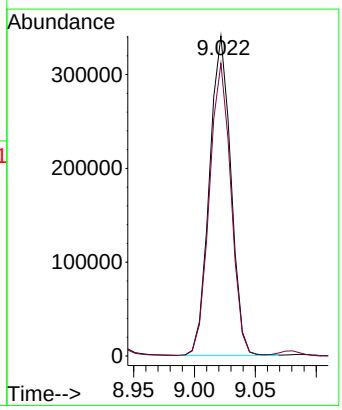


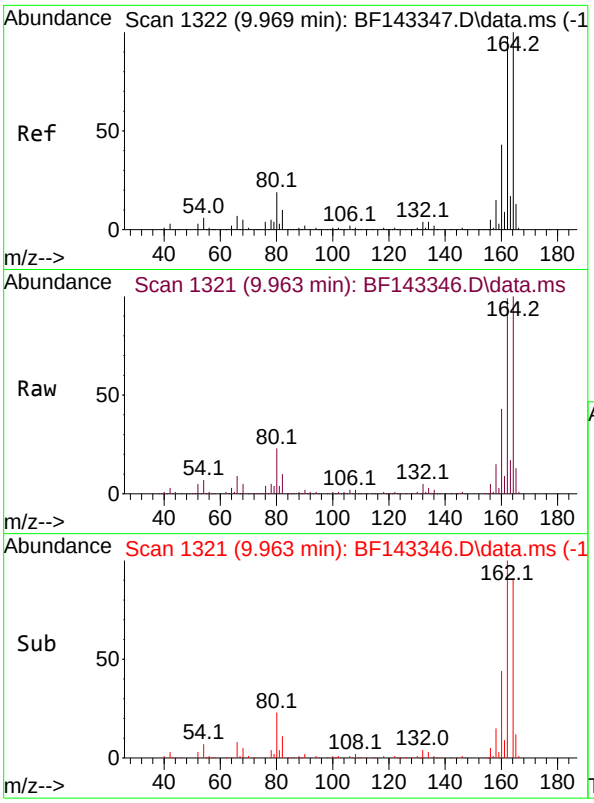


#38
1-Methylnaphthalene
Concen: 21.421 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:142 Resp: 417915

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.0	109.4



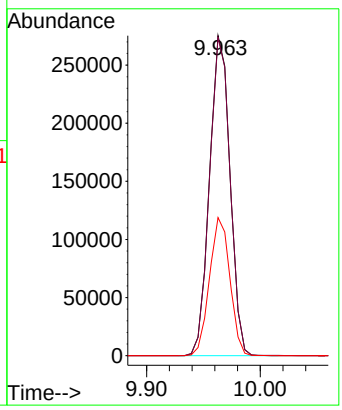


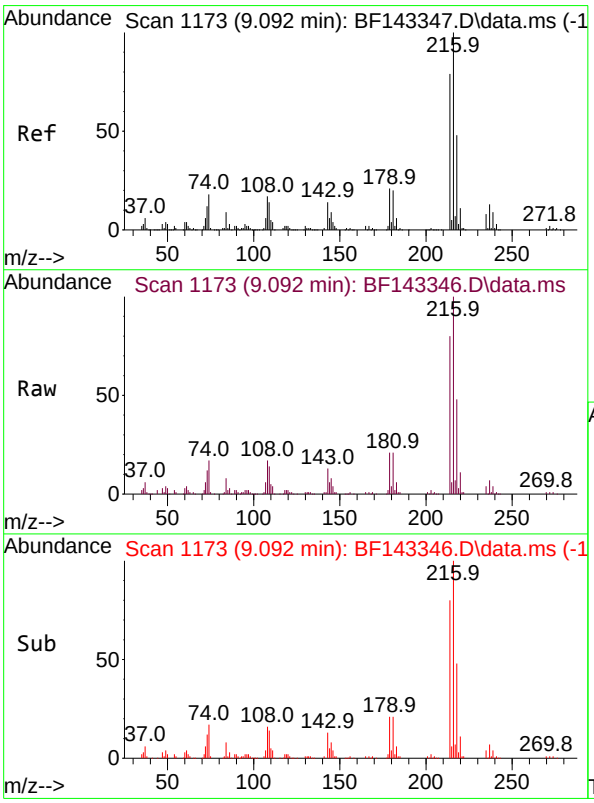
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 345152

Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.6	118.0
160	43.2	34.4	51.6

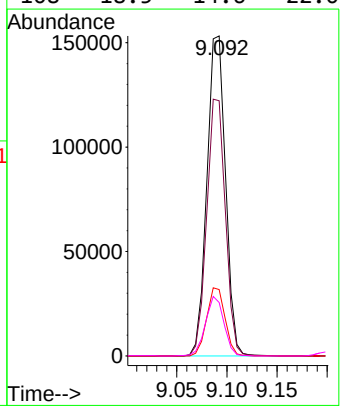


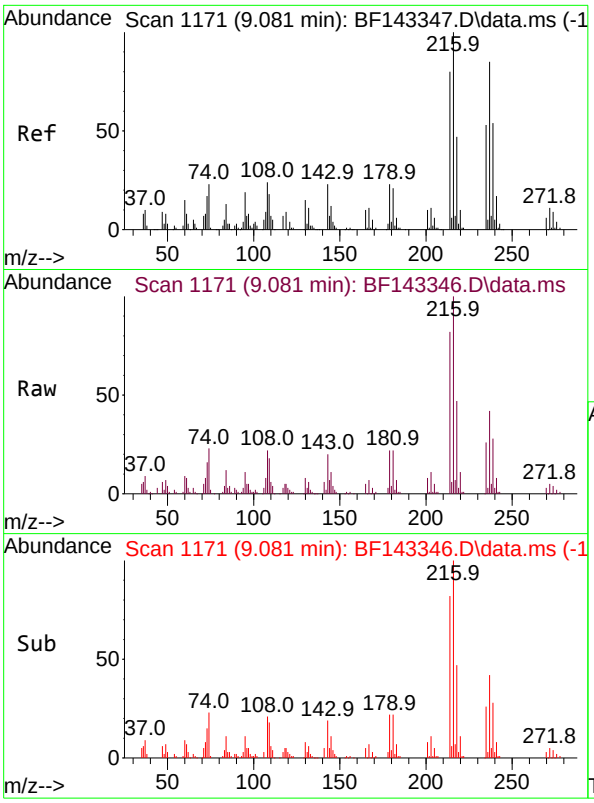


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.001 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:216 Resp: 198354

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.0	94.4
179	21.0	17.0	25.4
108	18.5	14.6	22.0



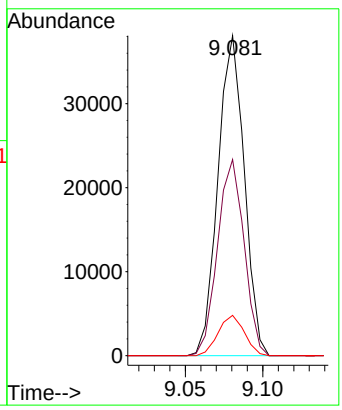


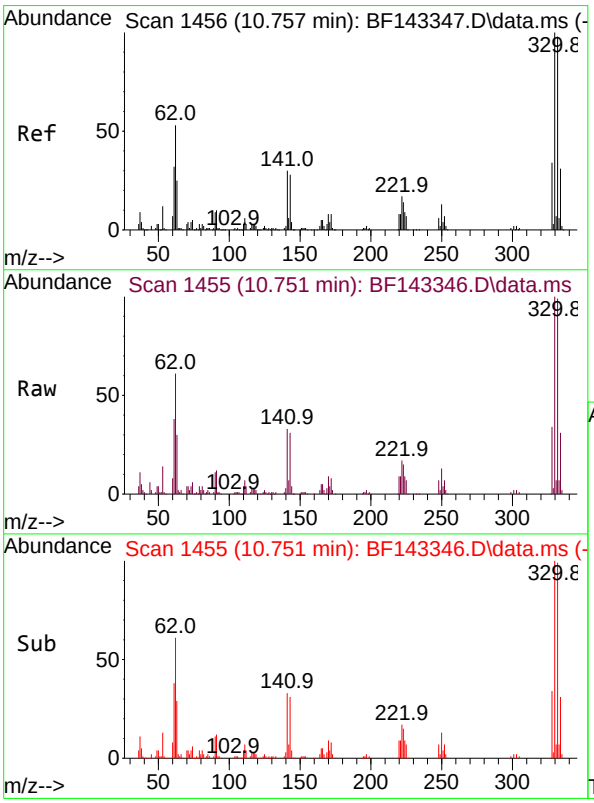
#41
Hexachlorocyclopentadiene
Concen: 19.003 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 44965

Ion	Ratio	Lower	Upper
237	100		
235	61.3	42.0	82.0
272	12.6	0.0	32.6

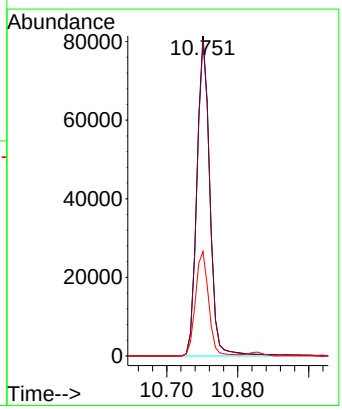


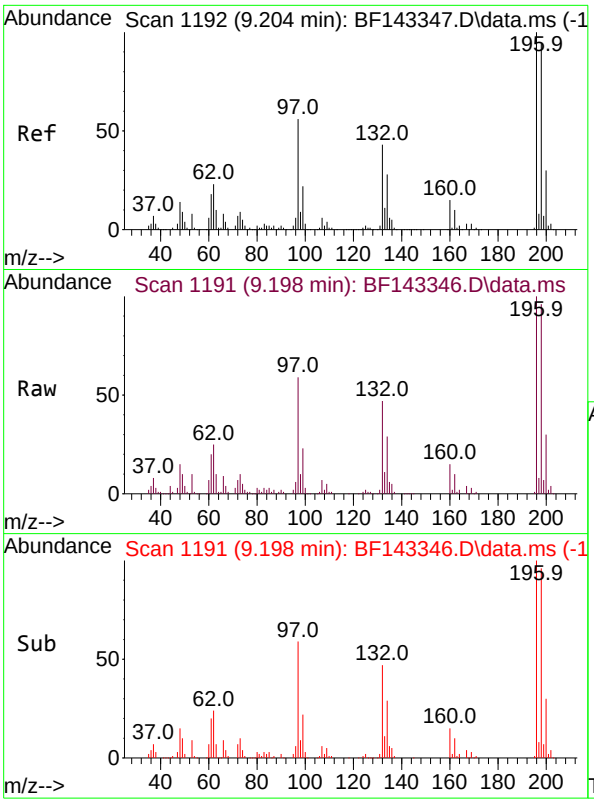


#42
2,4,6-Tribromophenol
Concen: 40.847 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:330 Resp: 103035

Ion	Ratio	Lower	Upper
330	100		
332	98.7	78.1	117.1
141	33.2	25.4	38.0



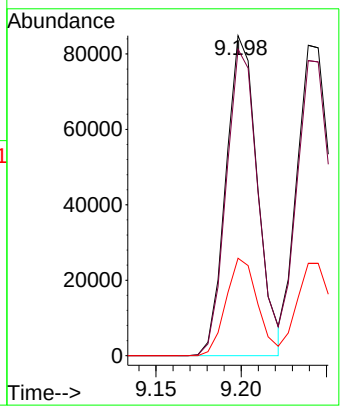


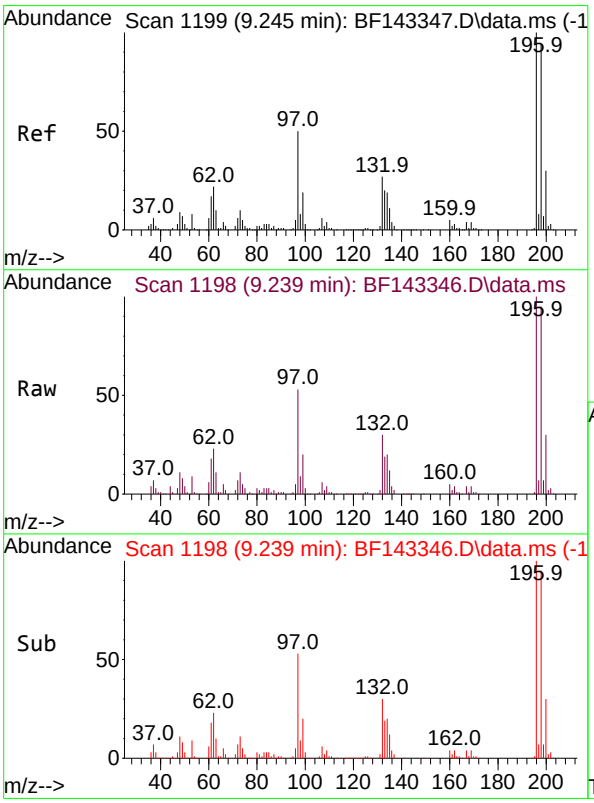
#43
2,4,6-Trichlorophenol
Concen: 20.378 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 109203

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.4	113.0
200	30.4	24.3	36.5

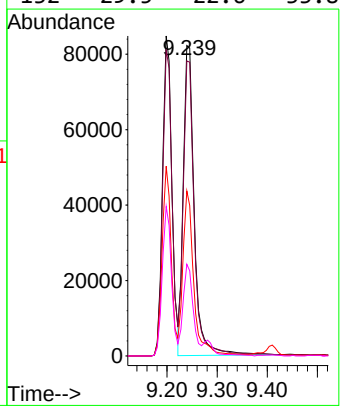


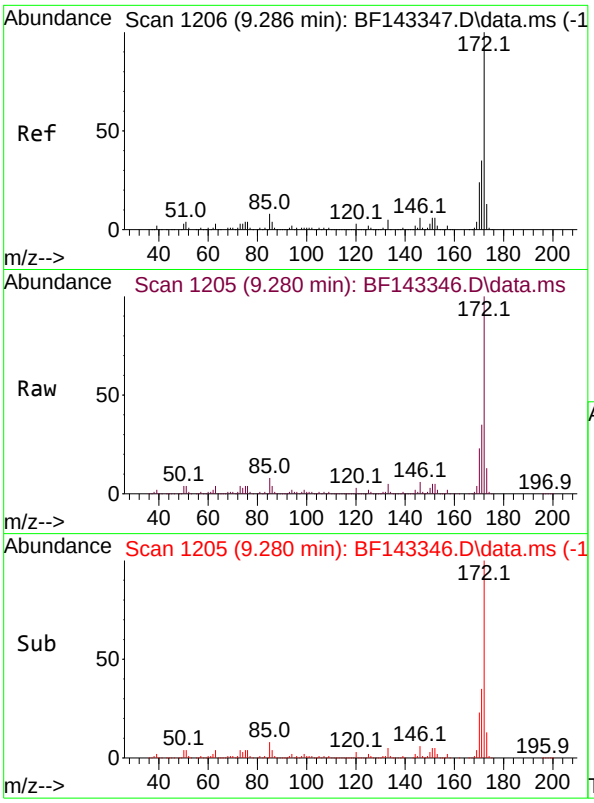


#44
2,4,5-Trichlorophenol
Concen: 20.892 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:196 Resp: 126432

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
97	53.1	39.9	59.9
132	29.5	22.6	33.8



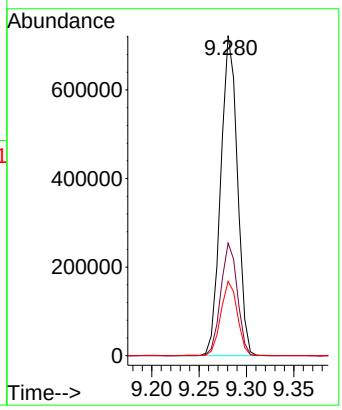


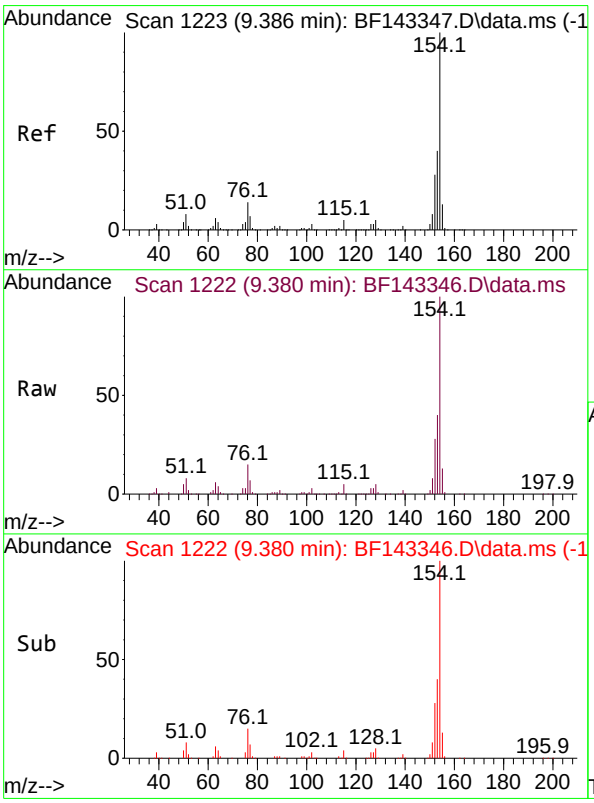
#45
2-Fluorobiphenyl
Concen: 43.569 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 886799

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.2	19.1	28.7

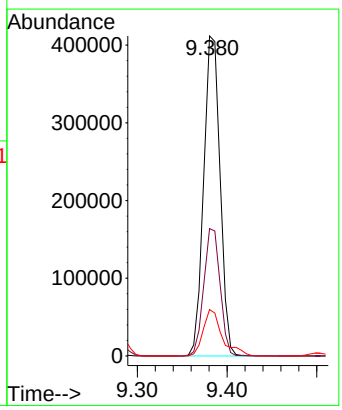


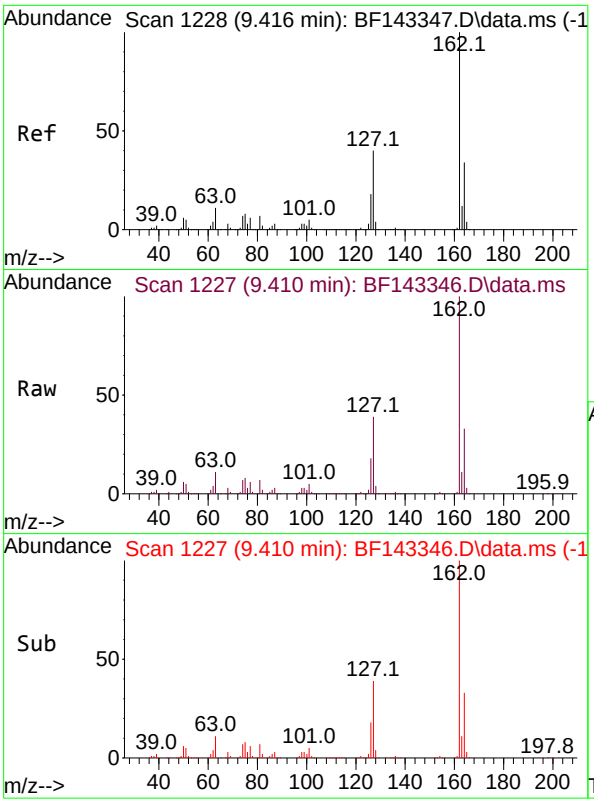


#46
1,1'-Biphenyl
Concen: 21.447 ng
RT: 9.380 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:154 Resp: 523392

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.2	60.2
76	14.5	0.0	34.4



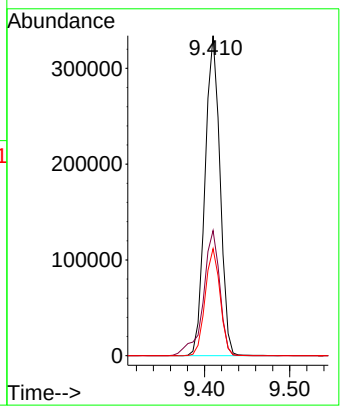


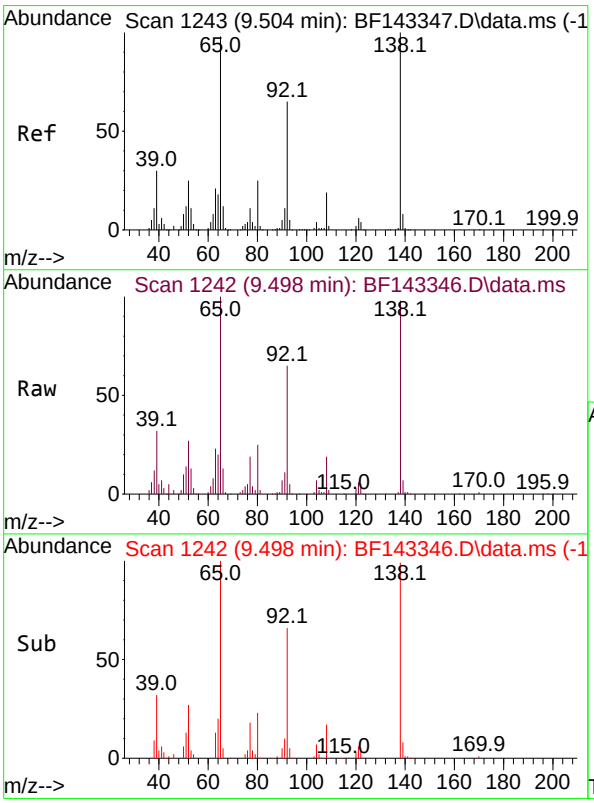
#47
2-Chloronaphthalene
Concen: 21.196 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 407385

Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.1	48.1
164	33.4	27.0	40.4

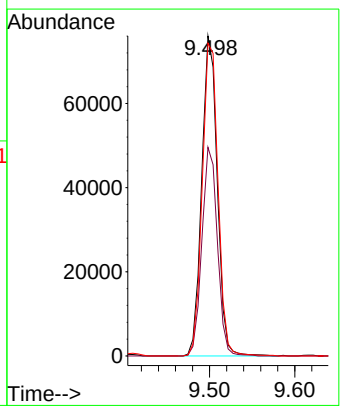


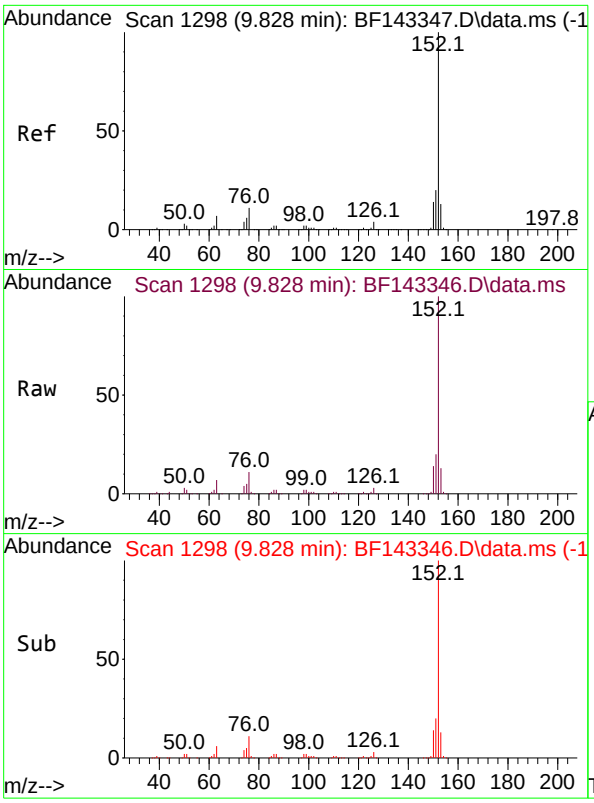


#48
2-Nitroaniline
Concen: 19.121 ng
RT: 9.498 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion: 65 Resp: 96206

Ion	Ratio	Lower	Upper
65	100		
92	65.2	53.1	79.7
138	97.7	81.4	122.0



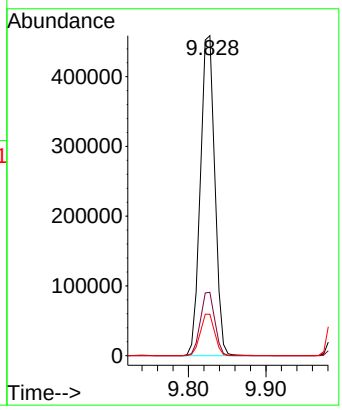


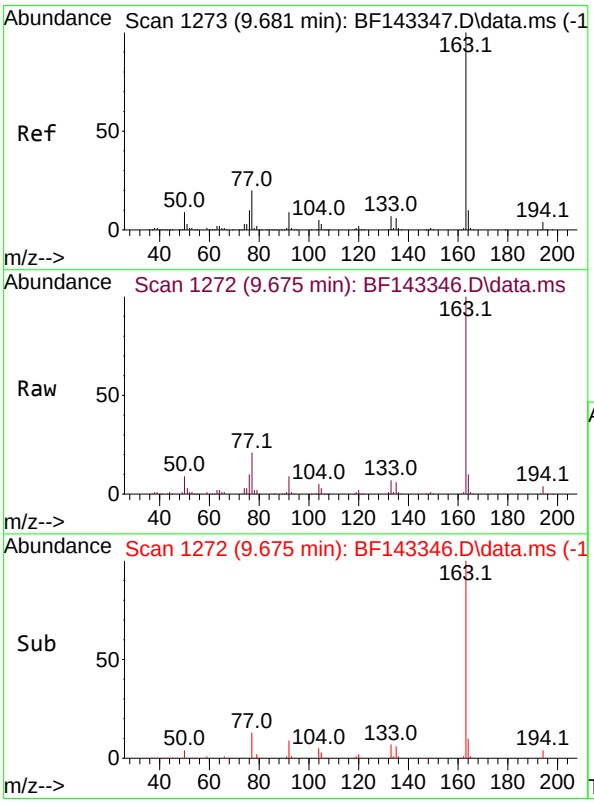
#49
Acenaphthylene
Concen: 21.374 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 593246

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.0	10.6	16.0

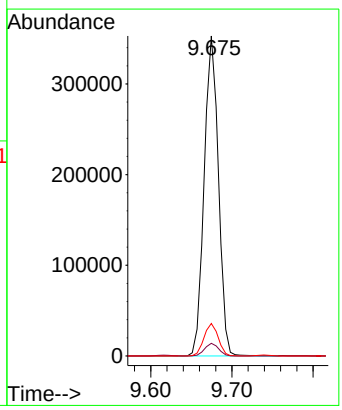


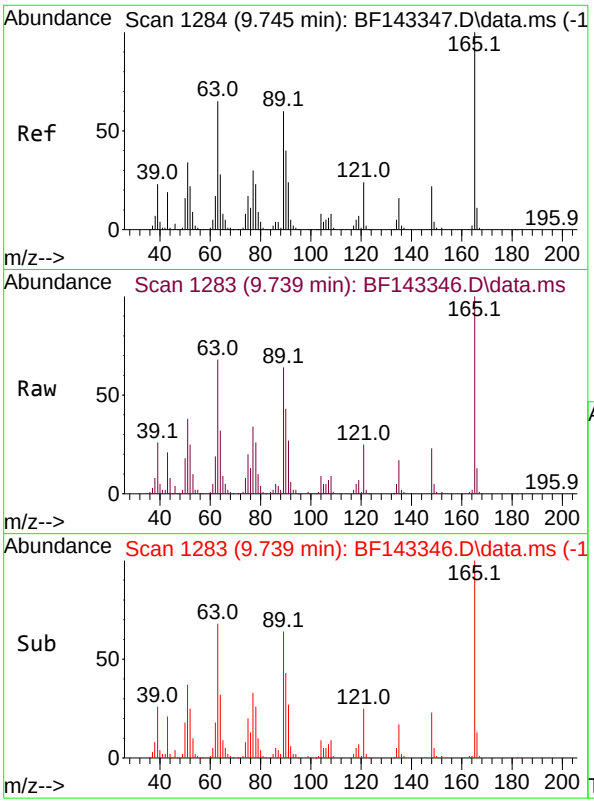


#50
Dimethylphthalate
Concen: 21.297 ng
RT: 9.675 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:163 Resp: 429516

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.1	8.2	12.2



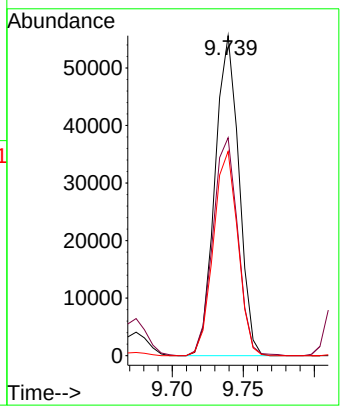


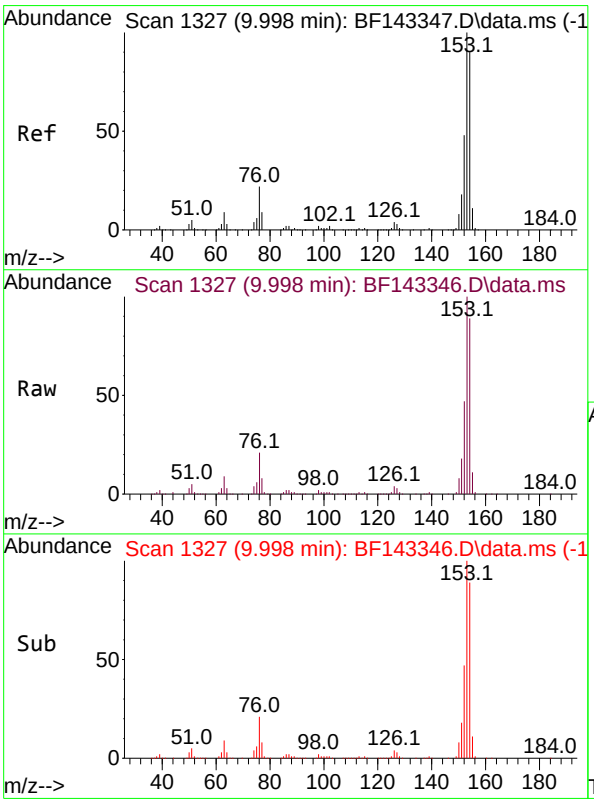
#51
2,6-Dinitrotoluene
Concen: 18.954 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 65043

Ion	Ratio	Lower	Upper
165	100		
63	68.1	51.6	77.4
89	63.9	47.7	71.5

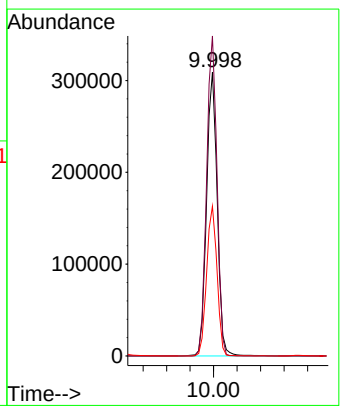


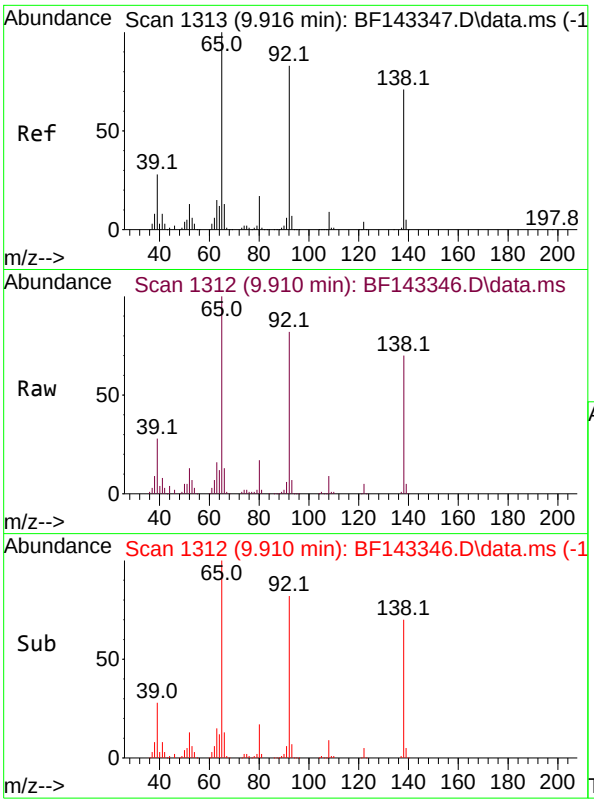


#52
Acenaphthene
Concen: 20.959 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:154 Resp: 386752

Ion	Ratio	Lower	Upper
154	100		
153	112.8	88.5	132.7
152	52.8	42.4	63.6



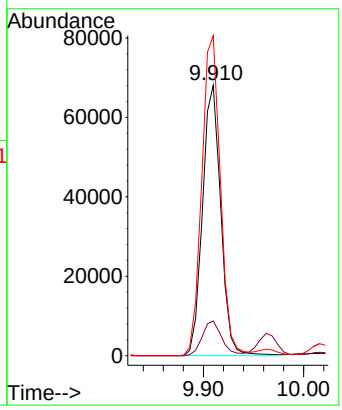


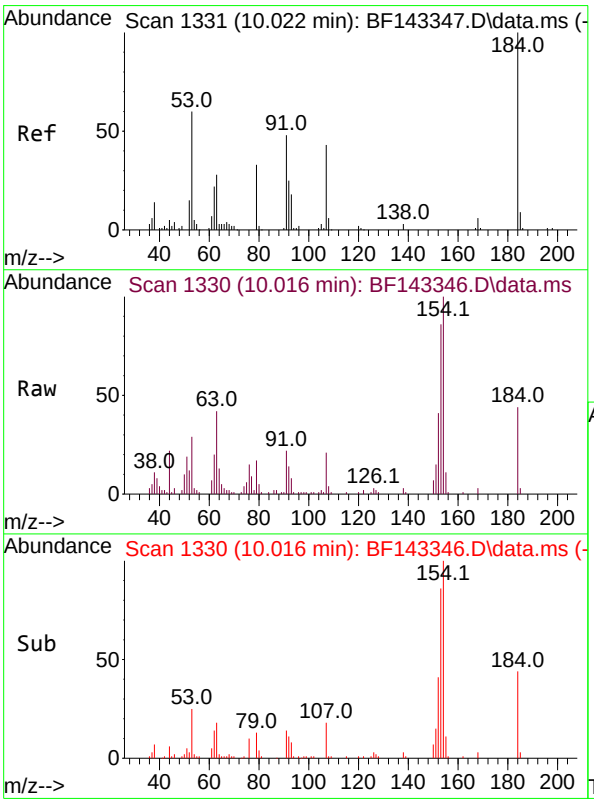
#53
3-Nitroaniline
Concen: 20.928 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 86436

Ion	Ratio	Lower	Upper
138	100		
108	12.9	9.6	14.4
92	118.3	93.4	140.2

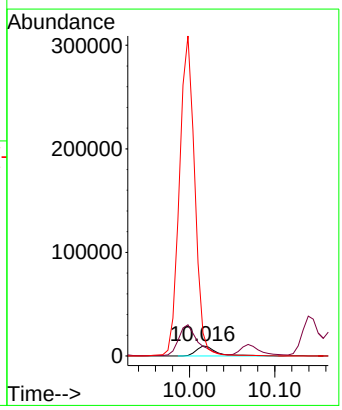


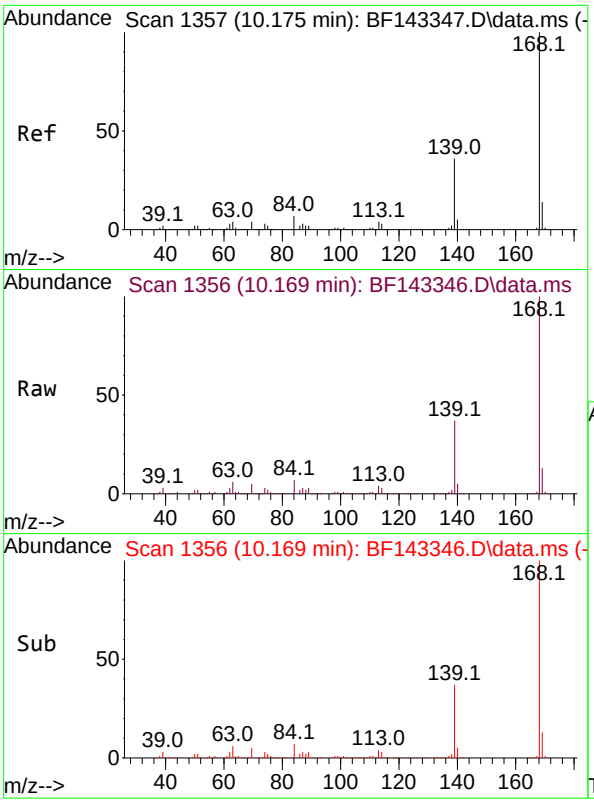


#54
2,4-Dinitrophenol
Concen: 19.272 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:184 Resp: 15765

Ion	Ratio	Lower	Upper
184	100		
63	95.6	62.5	93.7#
154	228.4	73.0	109.4#



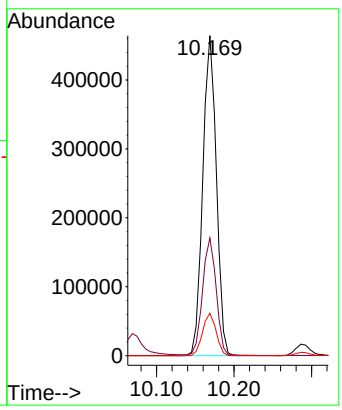


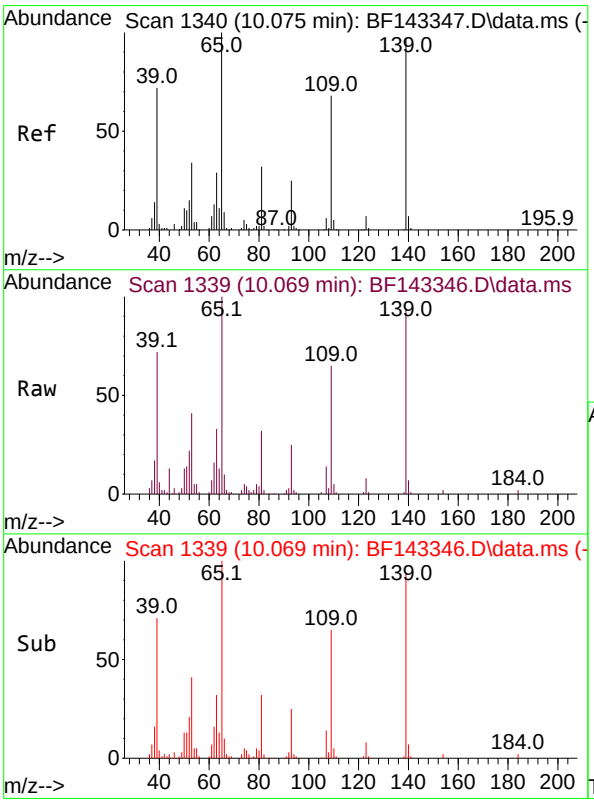
#55
Dibenzofuran
Concen: 21.238 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 564025

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.4	44.0
169	13.3	11.0	16.6

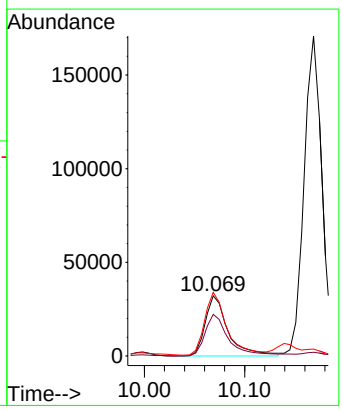


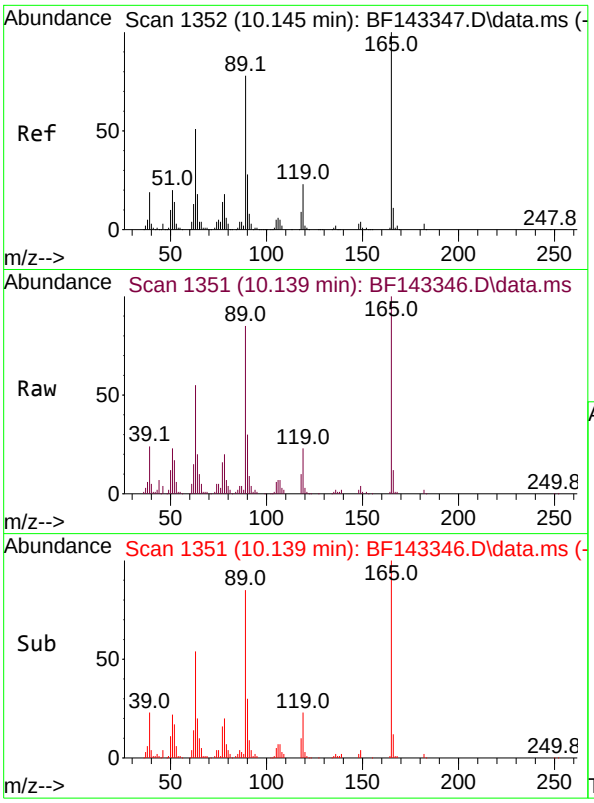


#56
4-Nitrophenol
Concen: 19.809 ng
RT: 10.069 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:139 Resp: 50785

Ion	Ratio	Lower	Upper
139	100		
109	69.3	49.4	89.4
65	105.9	83.7	123.7



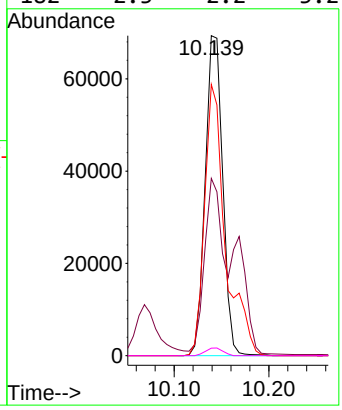


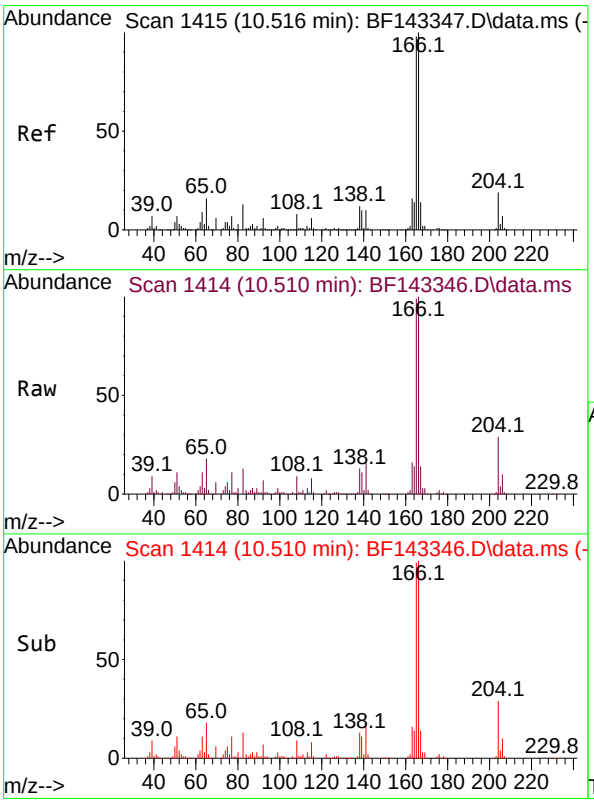
#57
2,4-Dinitrotoluene
Concen: 19.432 ng
RT: 10.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 88718

Ion	Ratio	Lower	Upper
165	100		
63	55.4	41.8	62.8
89	84.8	62.4	93.6
182	2.3	2.2	3.2

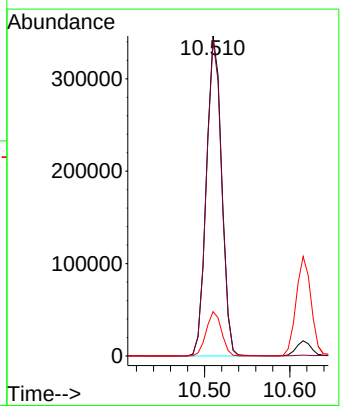


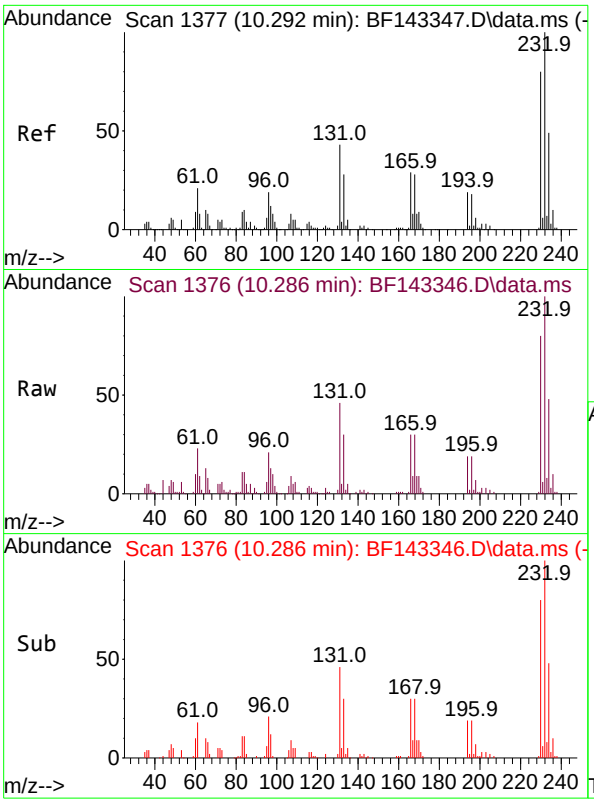


#58
Fluorene
Concen: 21.289 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:166 Resp: 431847

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.9	10.9	16.3



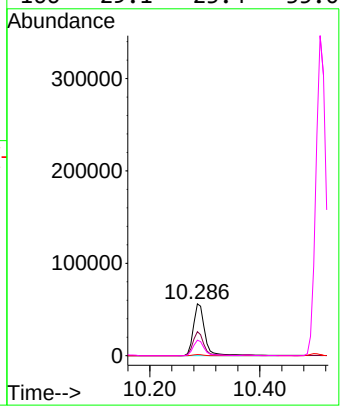


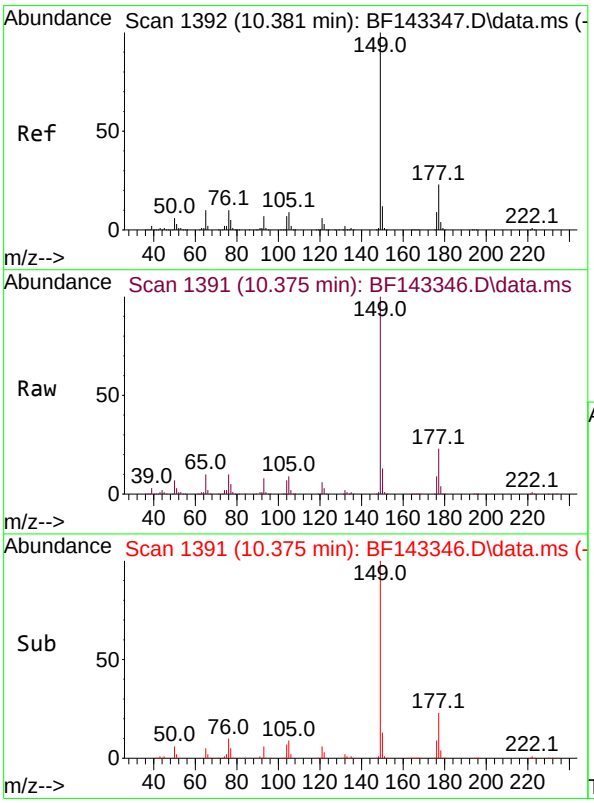
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.975 ng
RT: 10.286 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 81483

Ion	Ratio	Lower	Upper
232	100		
131	43.9	34.6	51.8
130	1.9	1.7	2.5
166	29.1	23.4	35.0

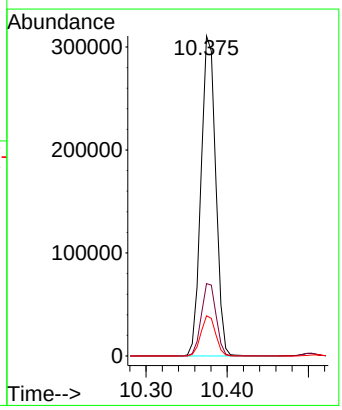


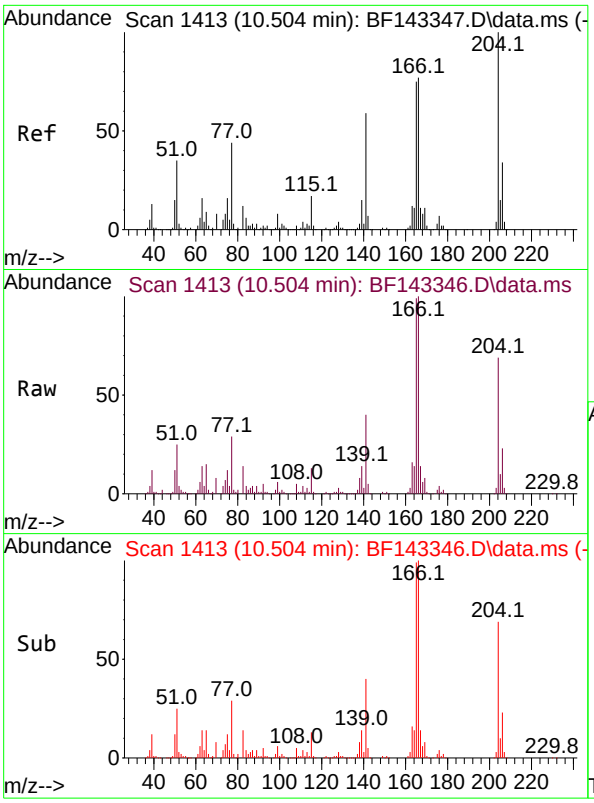


#60
Diethylphthalate
Concen: 21.624 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 390634

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.2	27.2
150	12.6	9.9	14.9



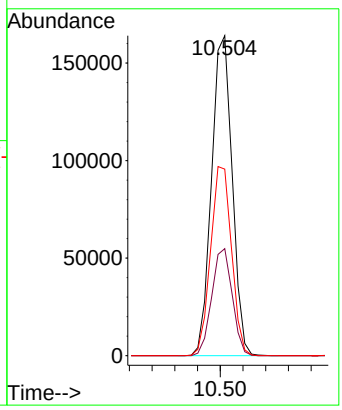


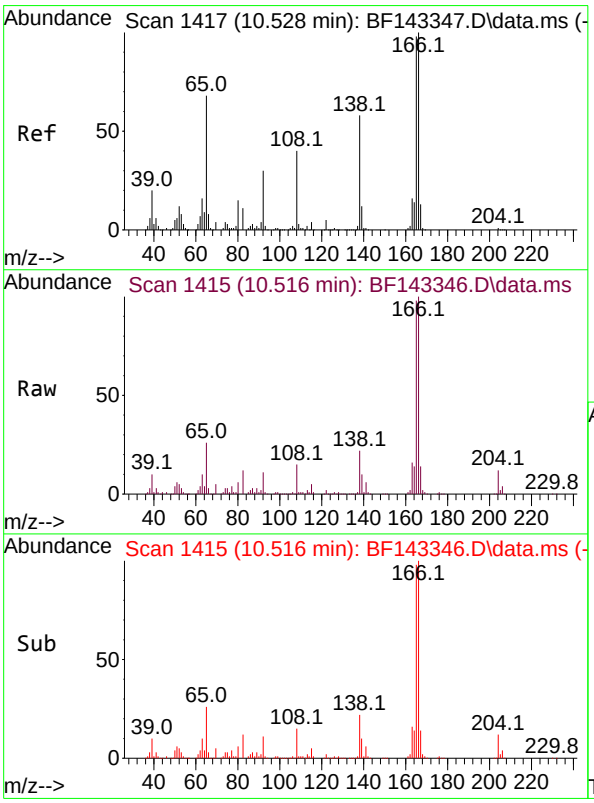
#61
4-Chlorophenyl-phenylether
Concen: 21.124 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 207053

Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.4	41.2
141	58.3	46.9	70.3

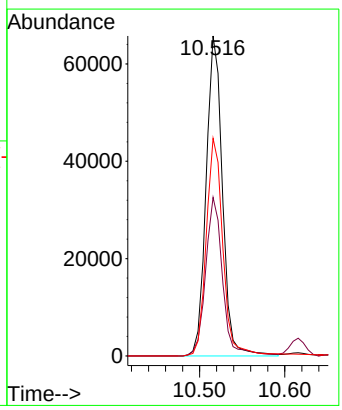


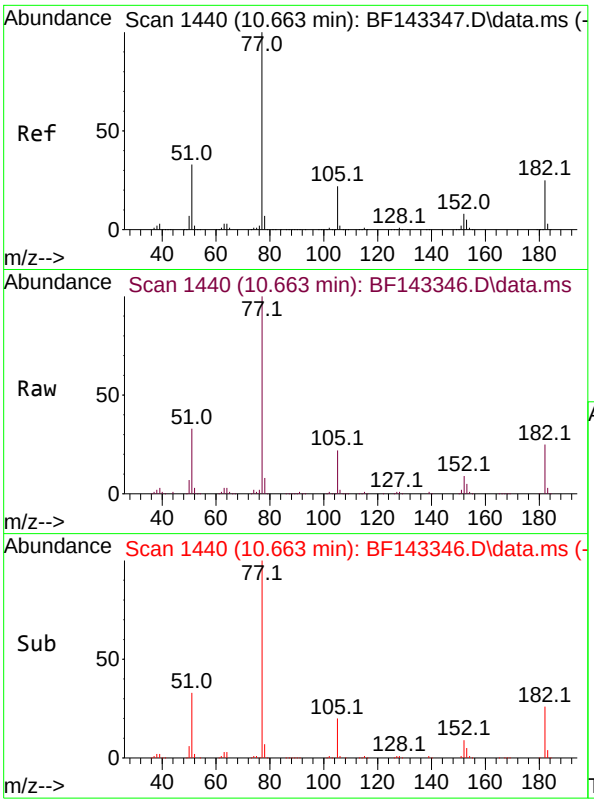


#62
4-Nitroaniline
Concen: 21.864 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:138 Resp: 87370

Ion	Ratio	Lower	Upper
138	100		
92	49.5	31.2	71.2
108	68.0	48.1	88.1



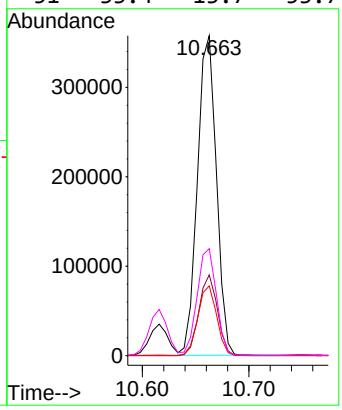


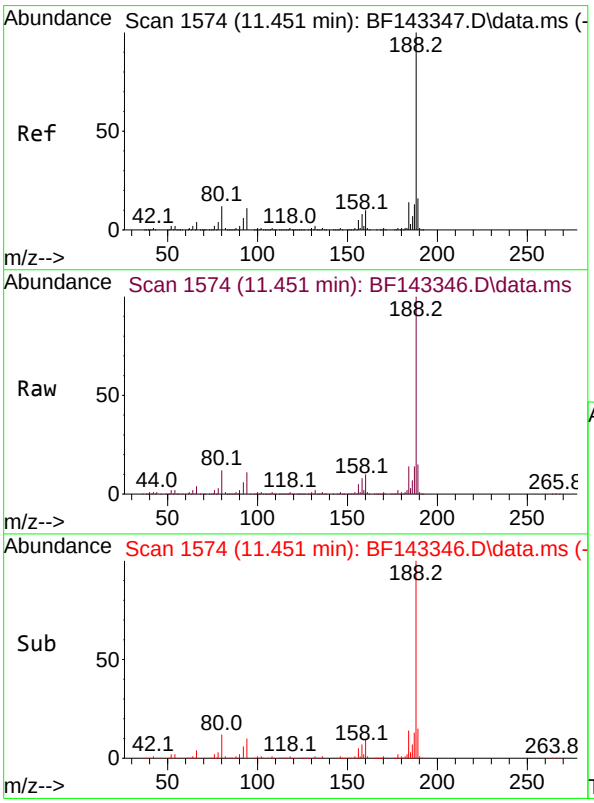
#63
Azobenzene
Concen: 21.493 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 443476

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.4	44.4
105	21.8	1.8	41.8
51	33.4	13.7	53.7

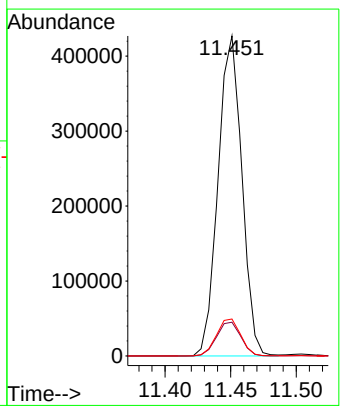


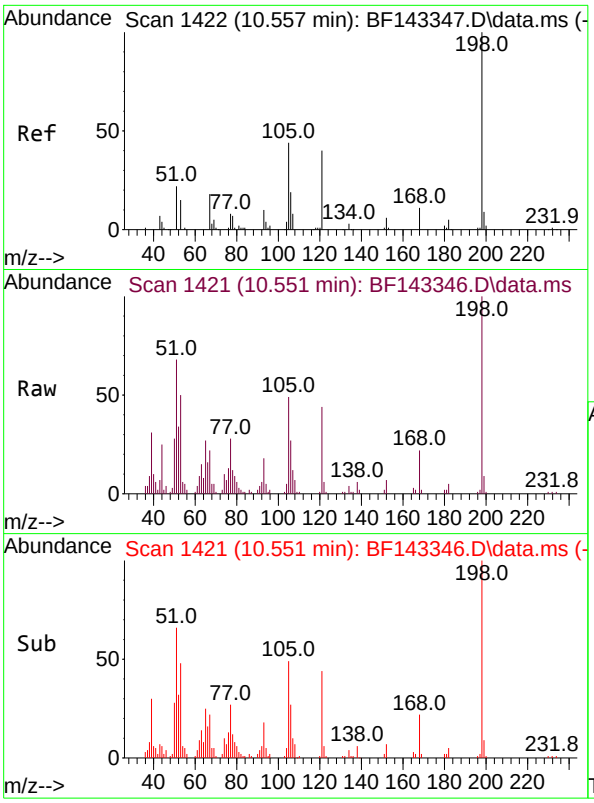


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:188 Resp: 538915

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.8	13.2
80	11.6	9.7	14.5



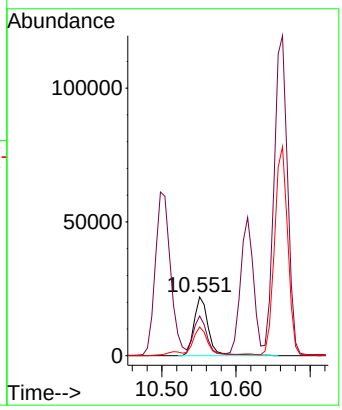


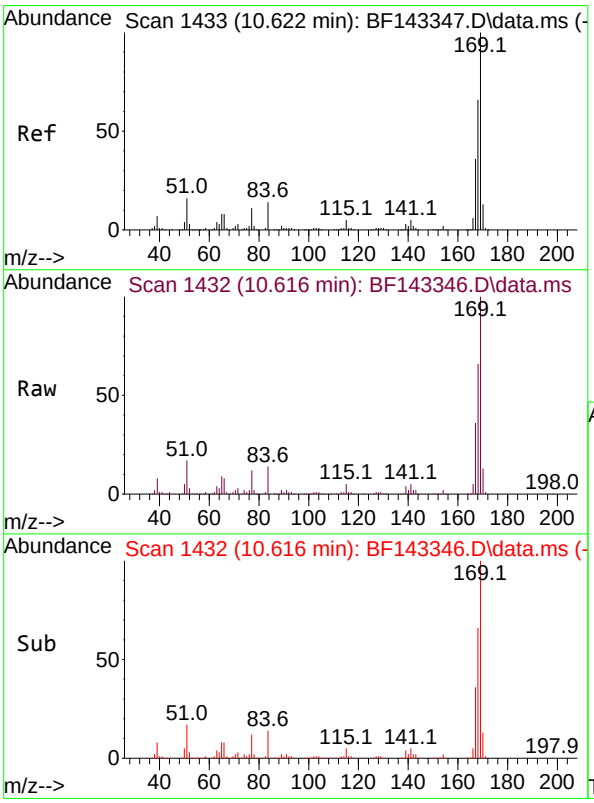
#65
4,6-Dinitro-2-methylphenol
Concen: 18.676 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 29324

Ion	Ratio	Lower	Upper
198	100		
51	67.6	41.7	81.7
105	48.9	26.8	66.8

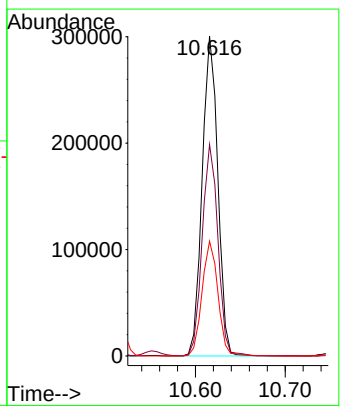


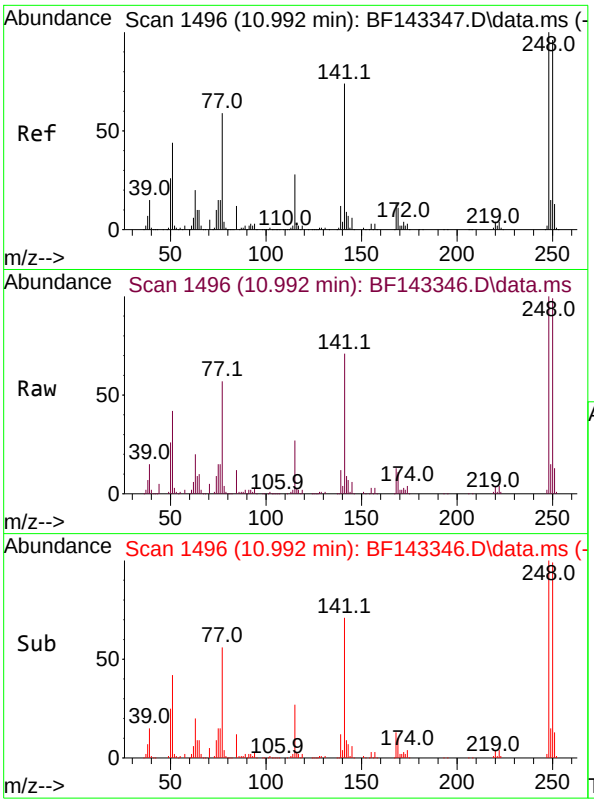


#66
n-Nitrosodiphenylamine
Concen: 20.469 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:169 Resp: 363227

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.7	79.1
167	35.8	28.6	42.8



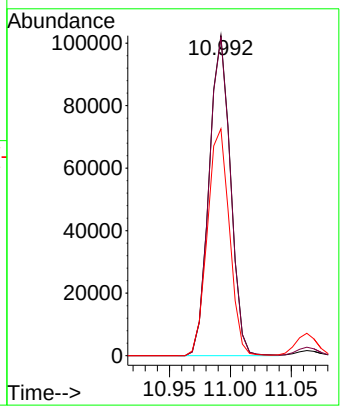


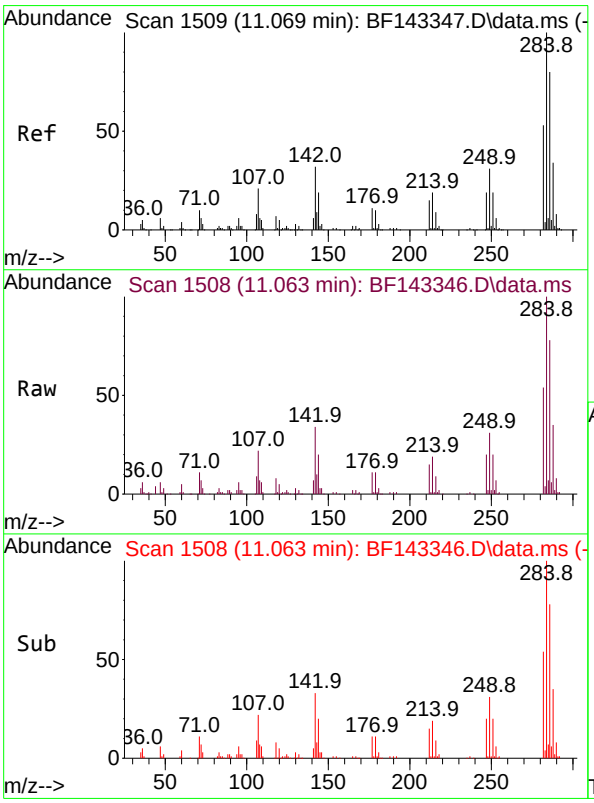
#67
4-Bromophenyl-phenylether
Concen: 20.293 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 125072

Ion	Ratio	Lower	Upper
248	100		
250	99.5	77.1	115.7
141	70.9	59.1	88.7

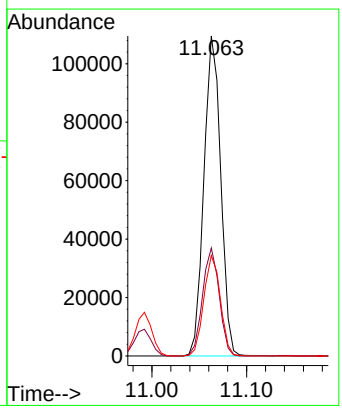


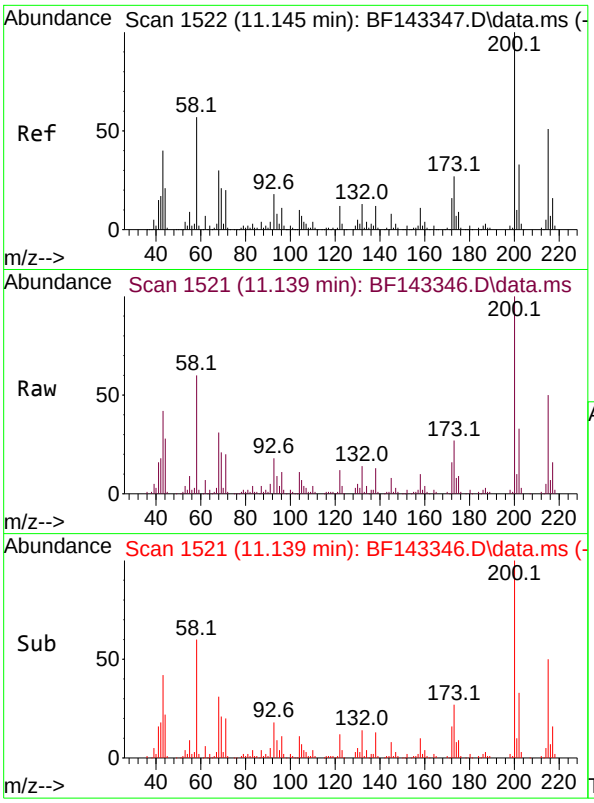


#68
Hexachlorobenzene
Concen: 20.290 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:284 Resp: 134796

Ion	Ratio	Lower	Upper
284	100		
142	33.8	25.7	38.5
249	31.4	24.6	37.0



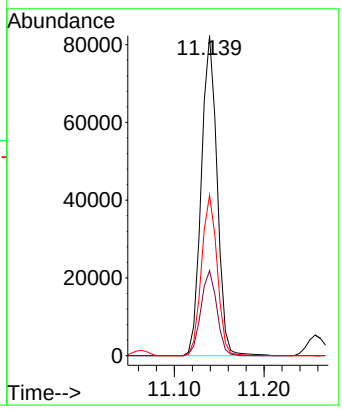


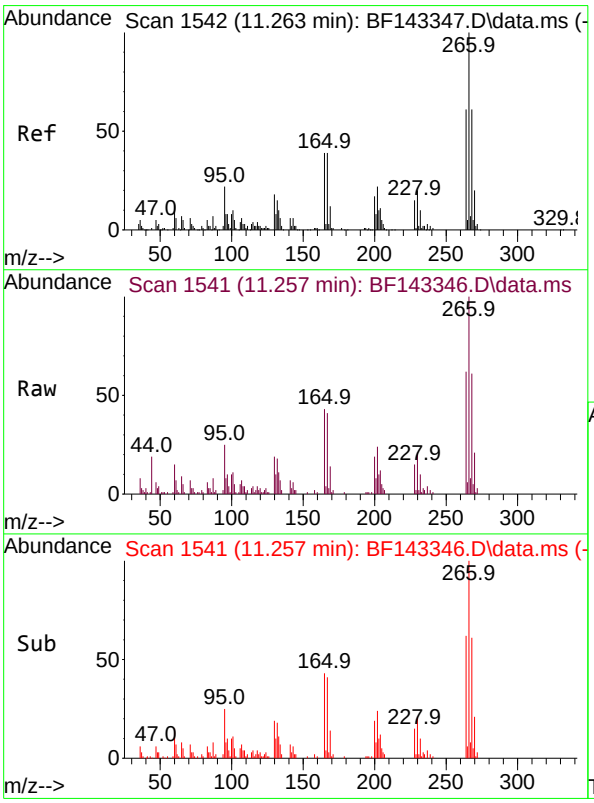
#69
Atrazine
Concen: 21.725 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 100549

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.6	46.6
215	50.1	30.6	70.6

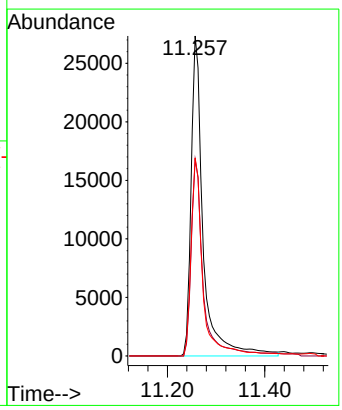


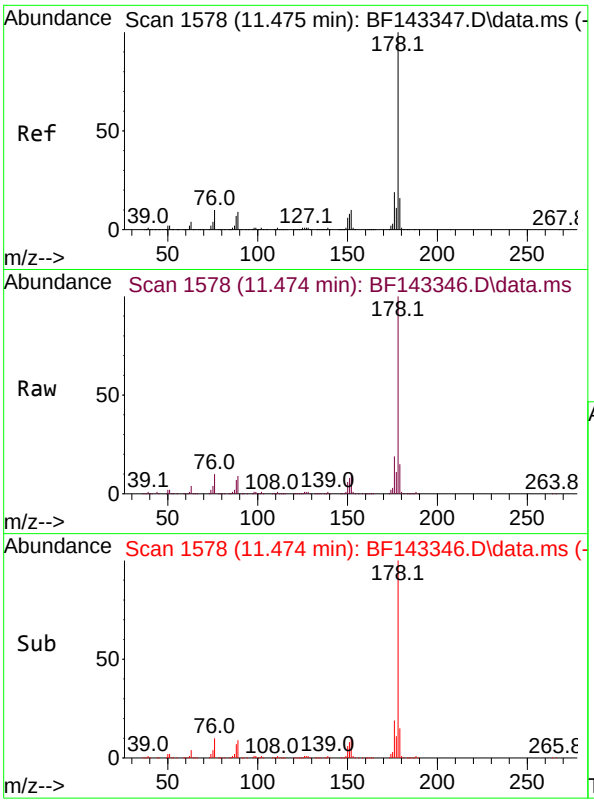


#70
Pentachlorophenol
Concen: 19.347 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:266 Resp: 47147

Ion	Ratio	Lower	Upper
266	100		
268	61.5	48.8	73.2
264	61.9	48.8	73.2



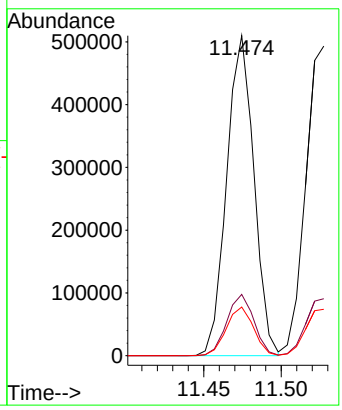


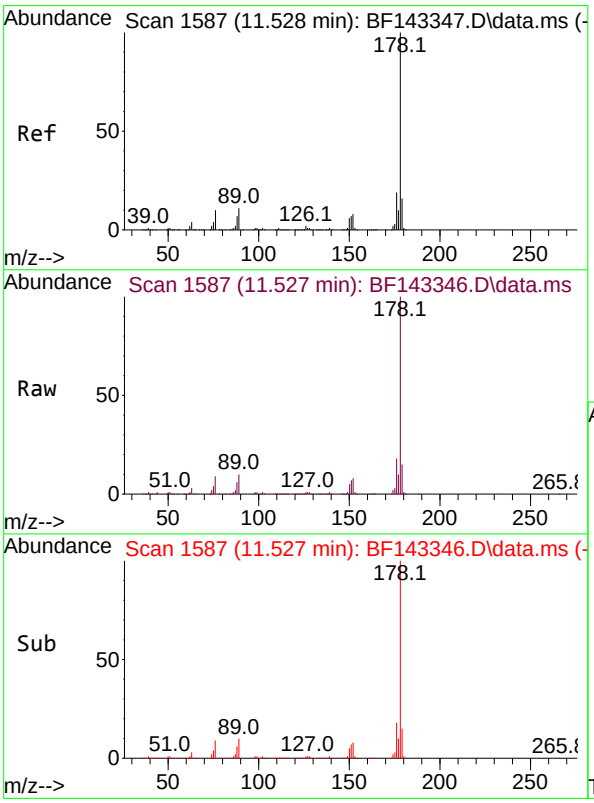
#71
Phenanthrene
Concen: 21.181 ng
RT: 11.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 622794

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.2	12.5	18.7

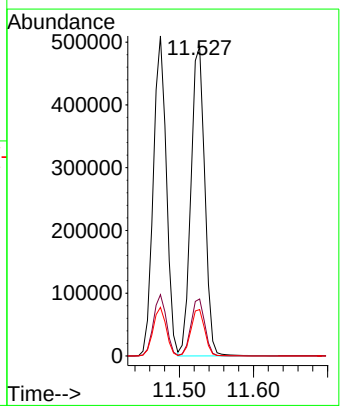


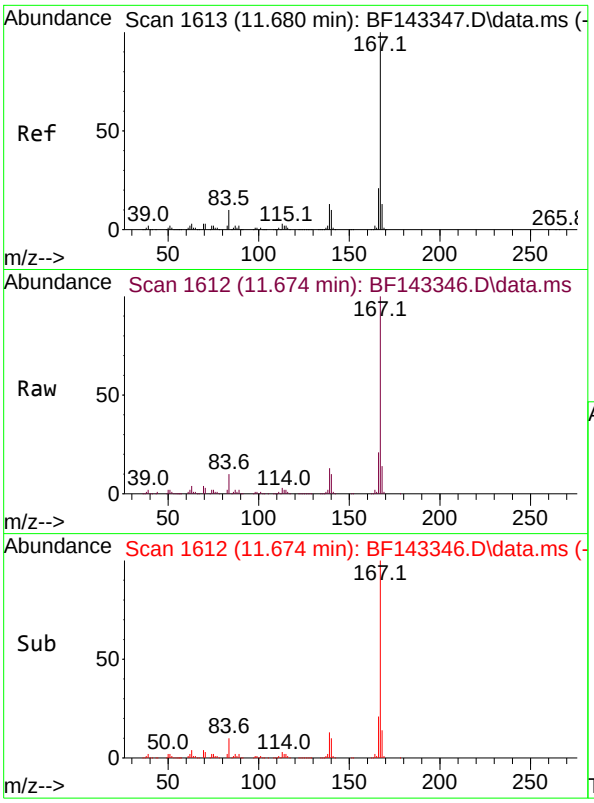


#72
Anthracene
Concen: 21.401 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:178 Resp: 638169

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.0	12.7	19.1



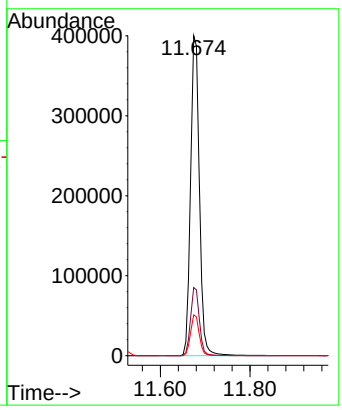


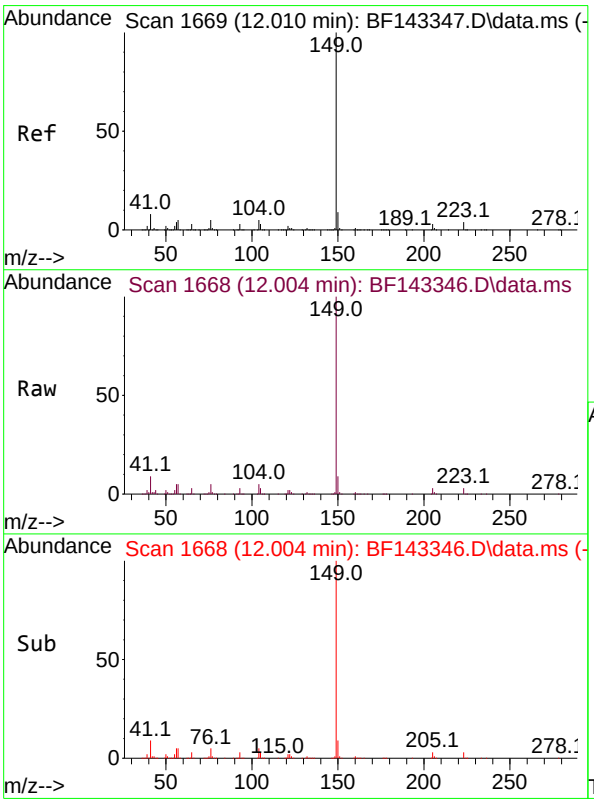
#73
Carbazole
Concen: 21.580 ng
RT: 11.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 548030

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.8	25.2
139	12.8	10.2	15.2

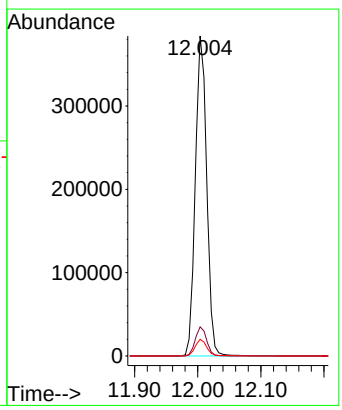


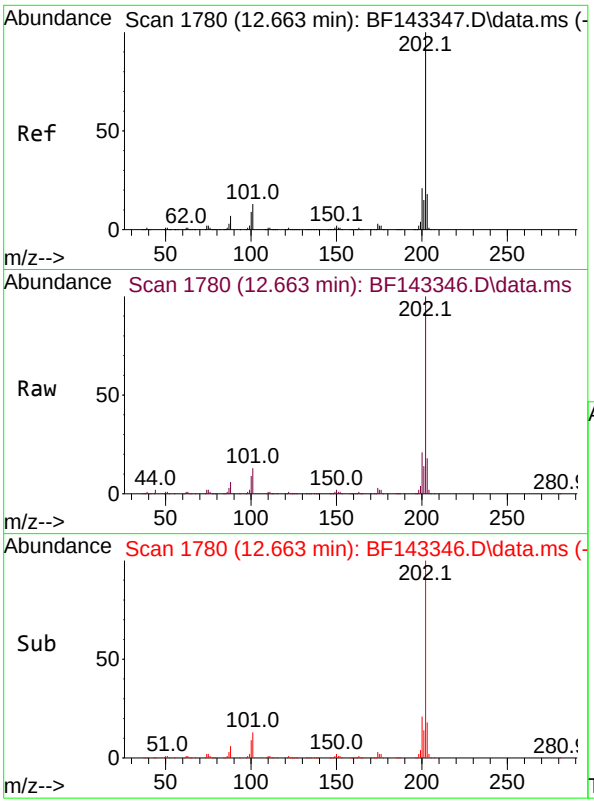


#74
Di-n-butylphthalate
Concen: 22.300 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 479230

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	3.8	5.8



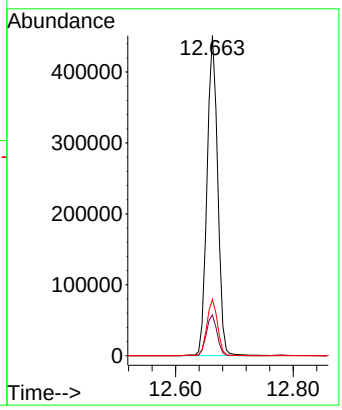


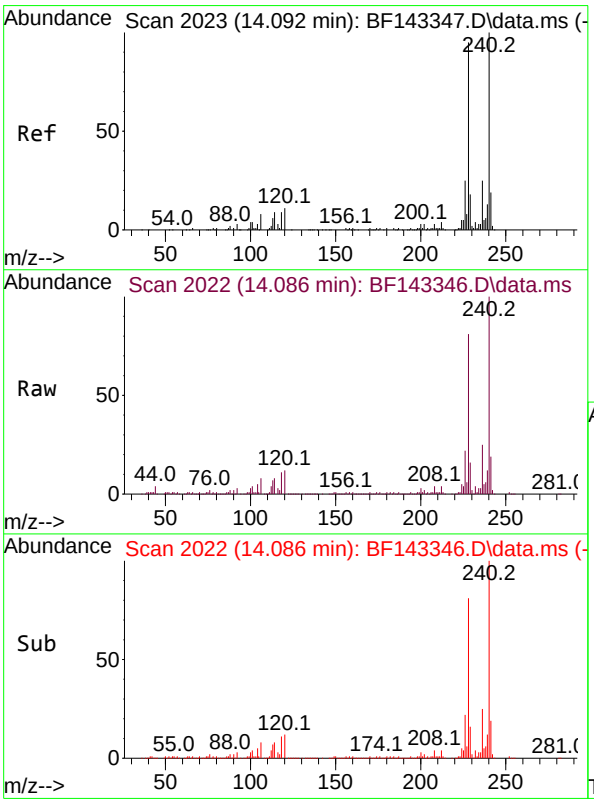
#75
Fluoranthene
Concen: 21.986 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 566275

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.6	0.0	37.6

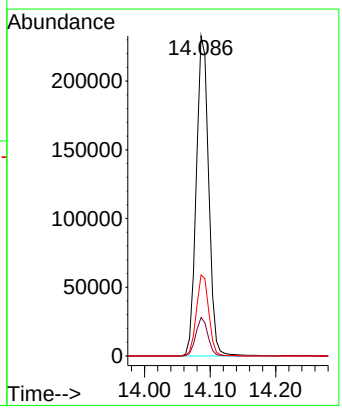


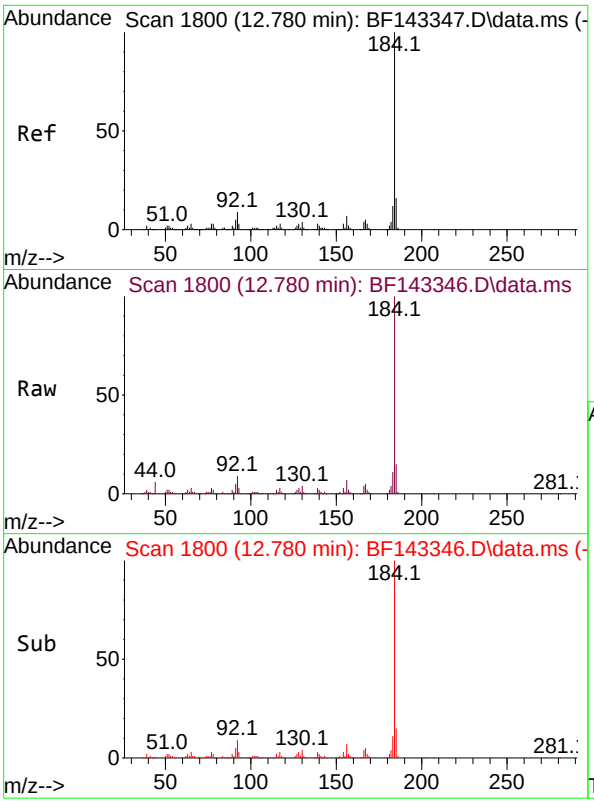


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:240 Resp: 307753

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.0	13.6
236	25.3	19.9	29.9



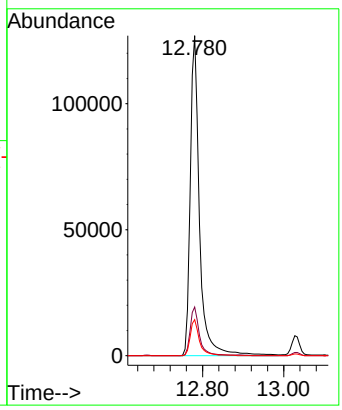


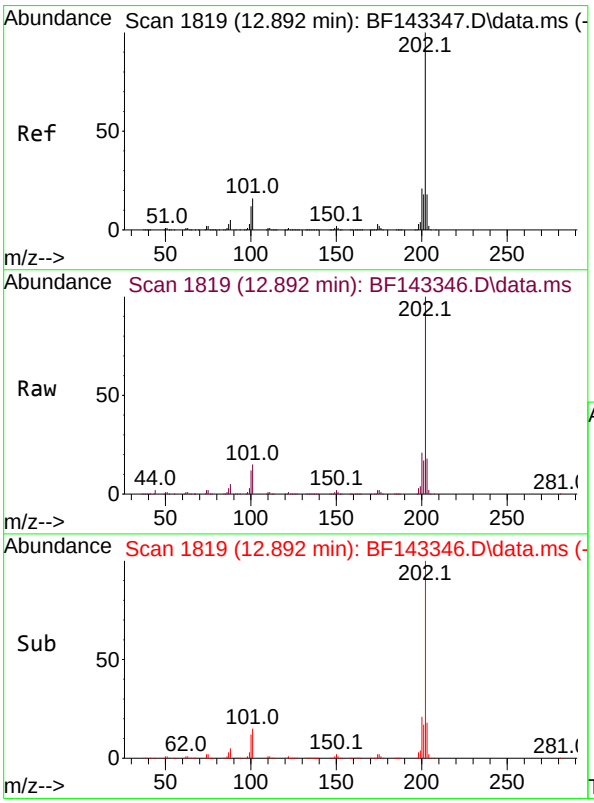
#77
Benzidine
Concen: 23.901 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 201097

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.8	19.2
183	11.2	9.3	13.9

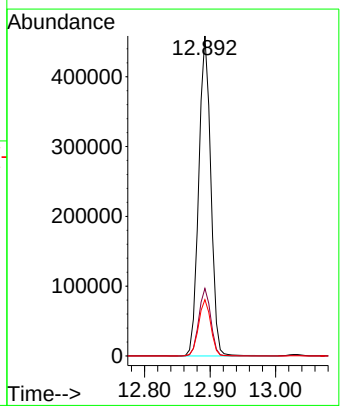


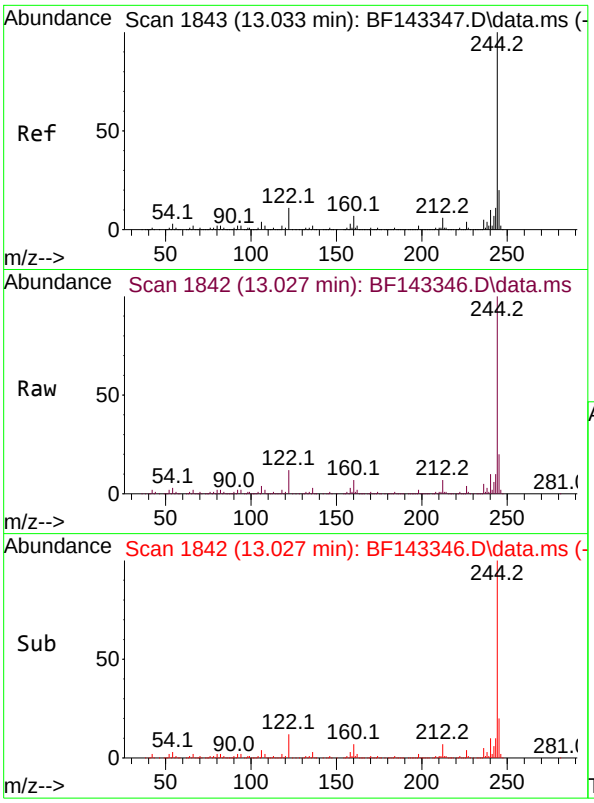


#78
Pyrene
Concen: 22.771 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:202 Resp: 587878

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.6	14.2	21.4



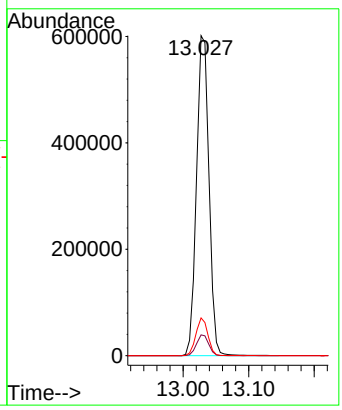


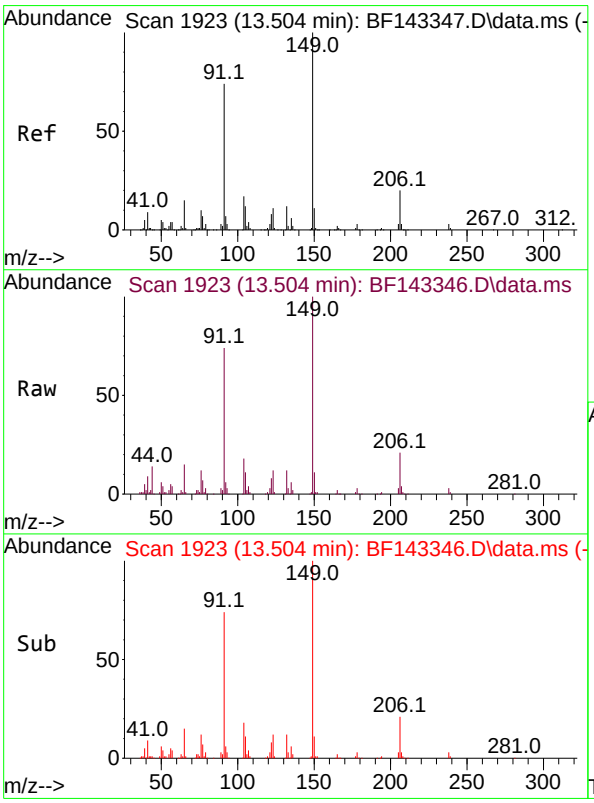
#79
Terphenyl-d14
Concen: 46.313 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 798330

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	11.8	8.9	13.3

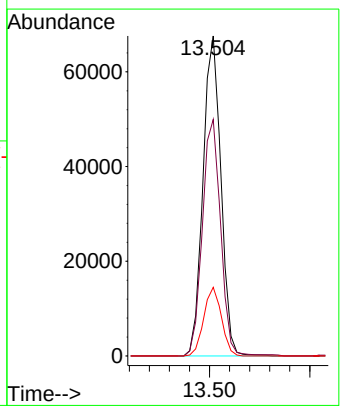


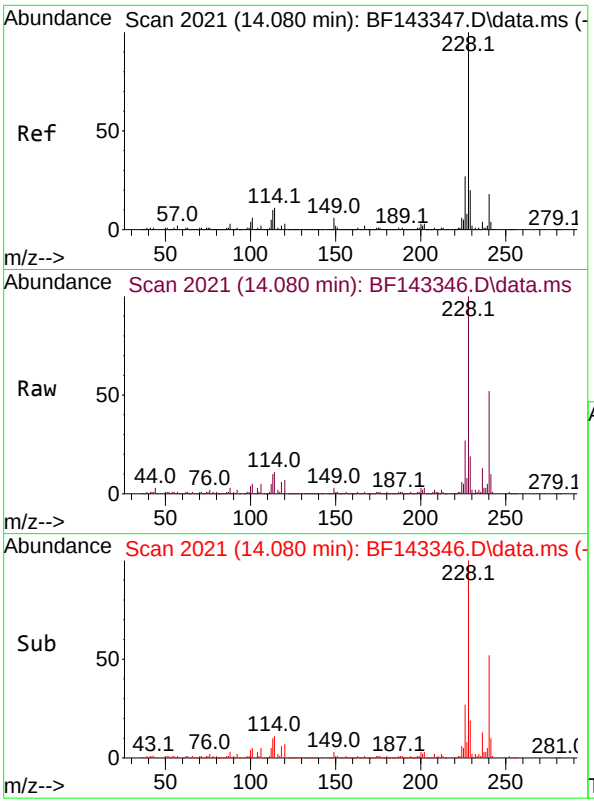


#80
Butylbenzylphthalate
Concen: 18.636 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 83834

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.8	88.2
206	21.5	16.4	24.6



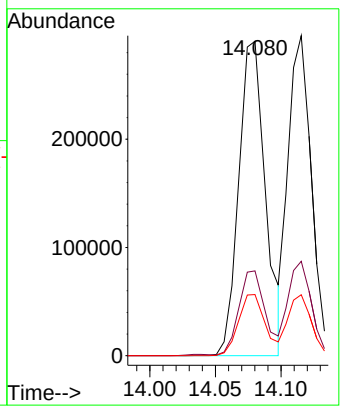


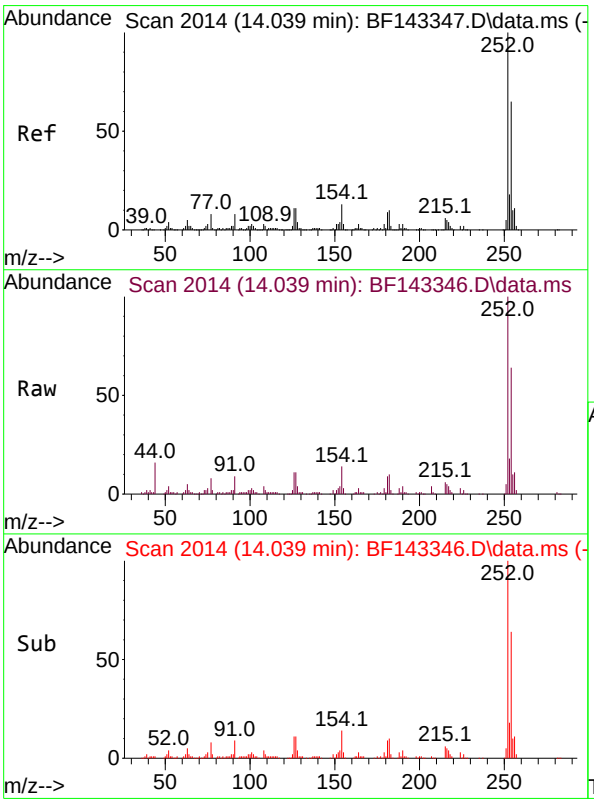
#81
Benzo(a)anthracene
Concen: 21.066 ng
RT: 14.080 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 412056

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.0	33.0
229	19.4	15.8	23.8

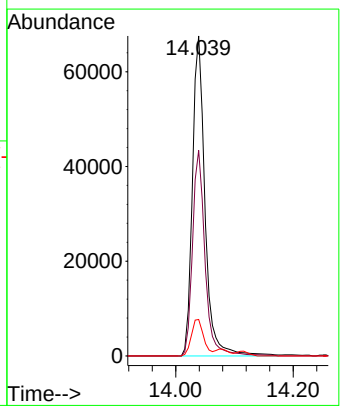


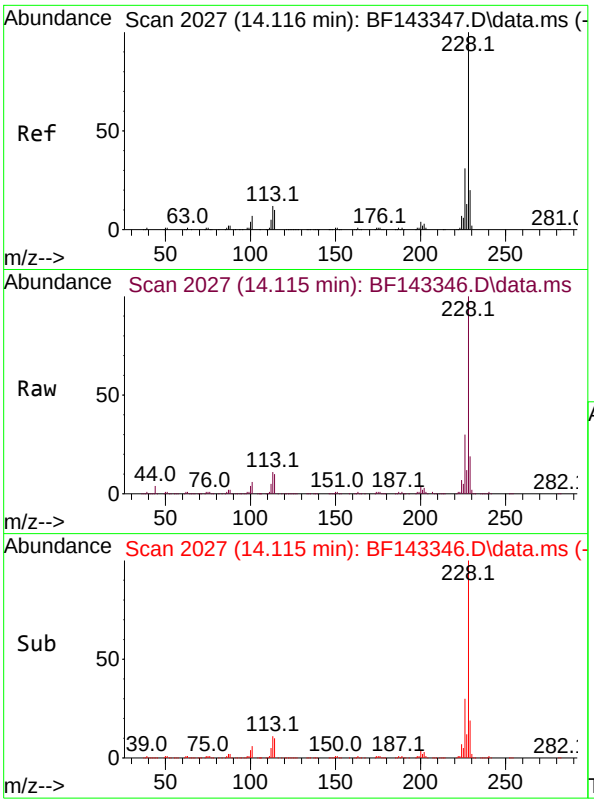


#82
3,3'-Dichlorobenzidine
Concen: 19.033 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 100529

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.4	9.2	13.8



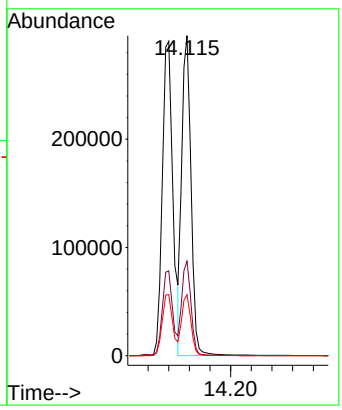


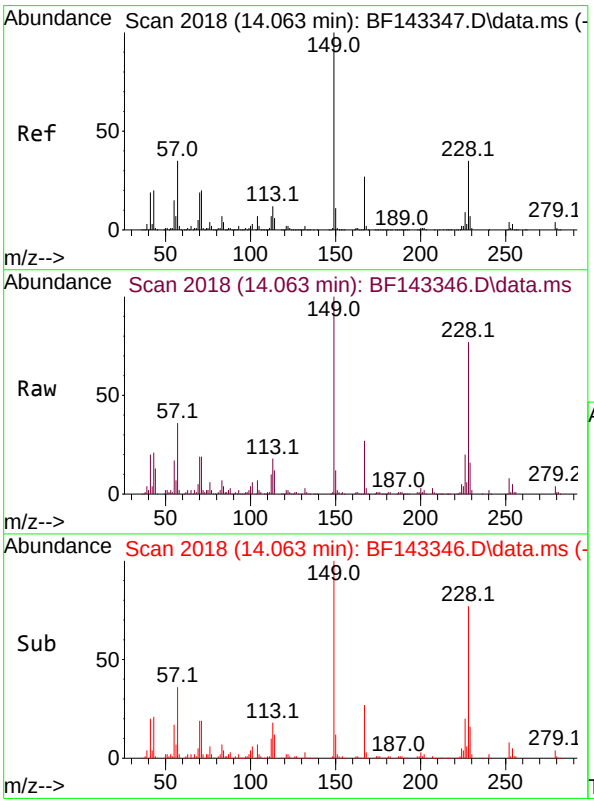
#83
Chrysene
Concen: 20.235 ng
RT: 14.115 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 369066

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	19.0	15.8	23.6

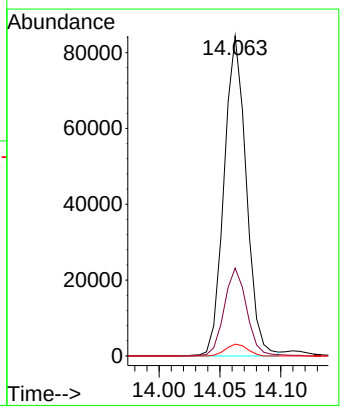


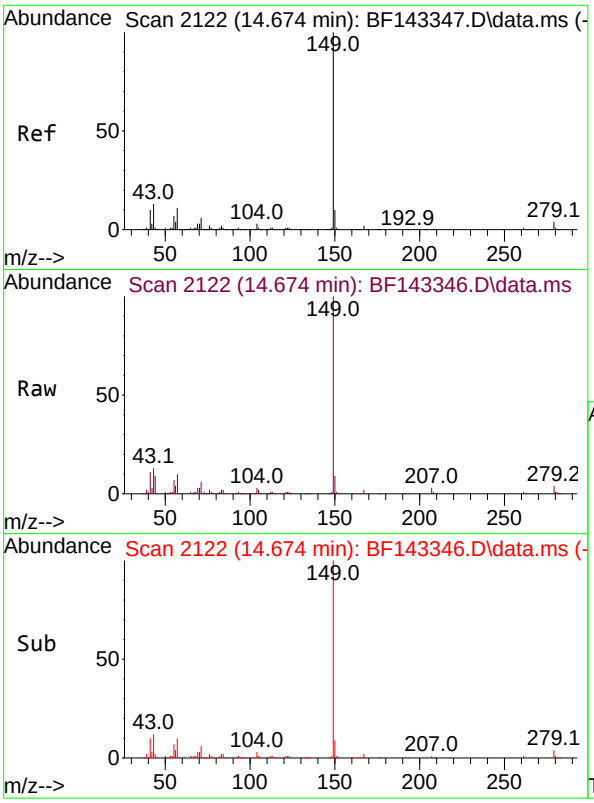


#84
Bis(2-ethylhexyl)phthalate
Concen: 17.077 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:149 Resp: 107115

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	3.7	3.2	4.8



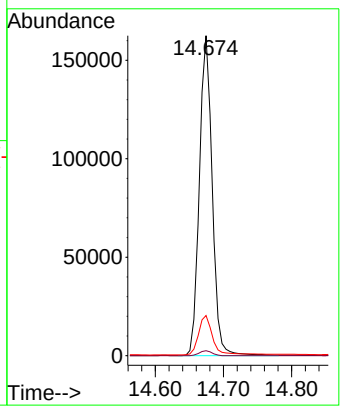


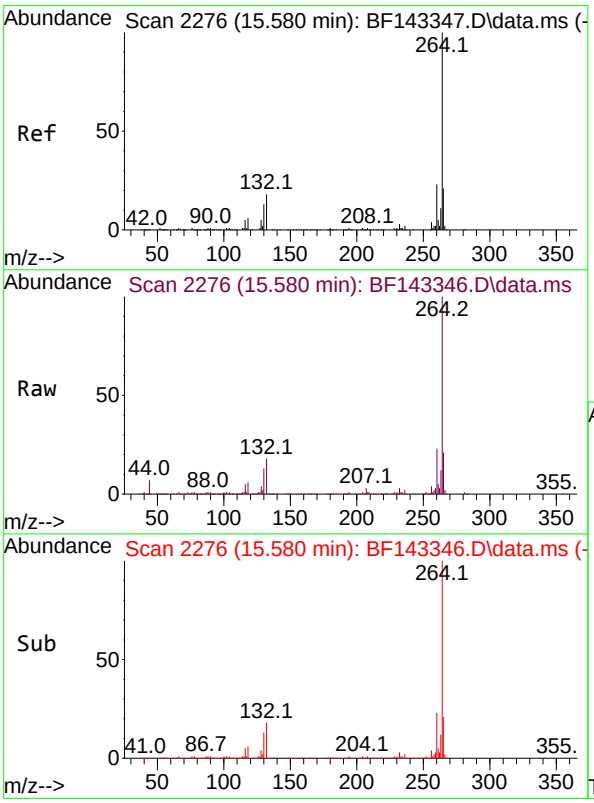
#85
Di-n-octyl phthalate
Concen: 18.493 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 213024

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2

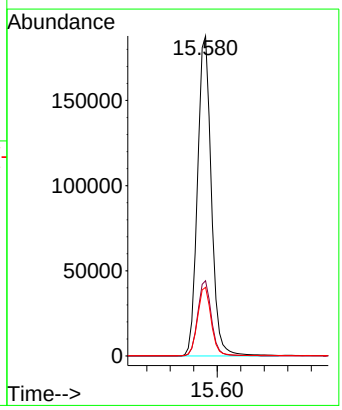


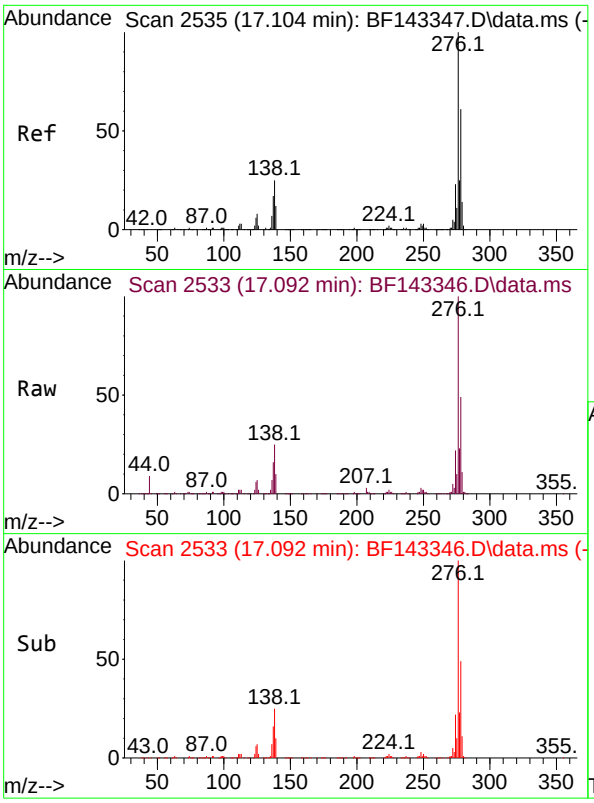


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:264 Resp: 306974

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.5	17.2	25.8



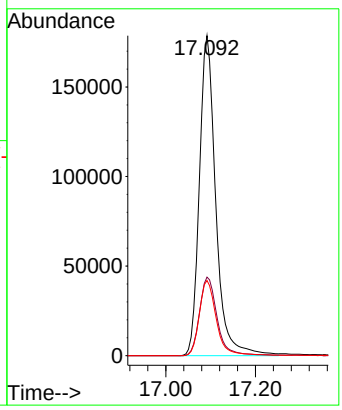


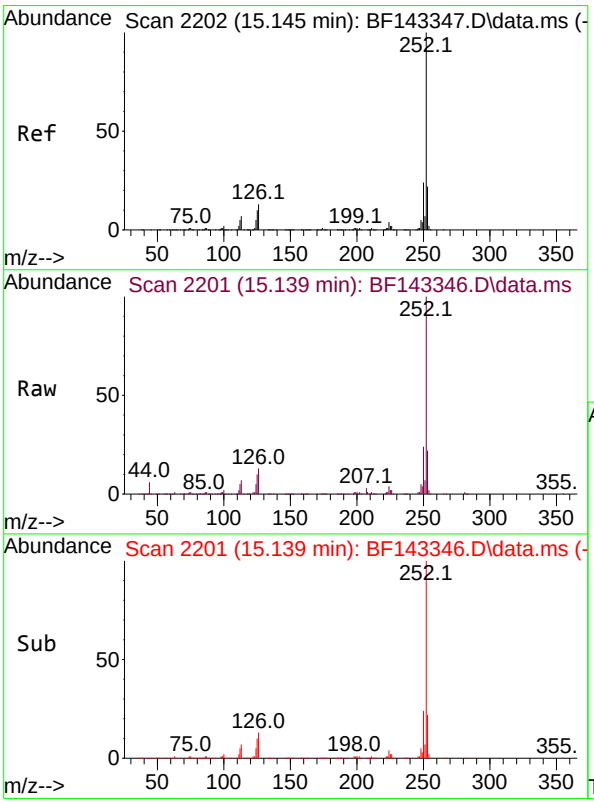
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.651 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 454164

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.1	31.7
277	24.4	20.2	30.2

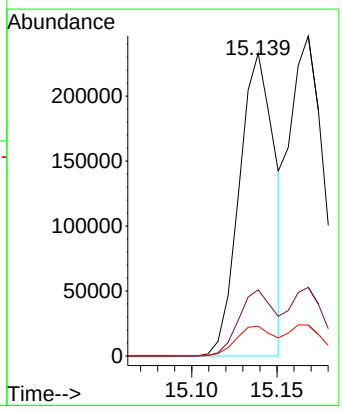


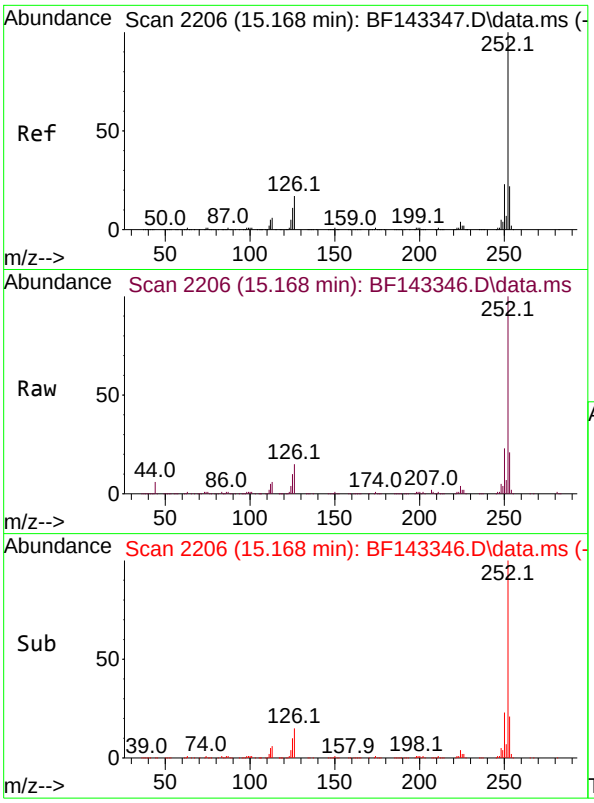


#88
Benzo(b)fluoranthene
Concen: 19.971 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 335316

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.8	7.8	11.6



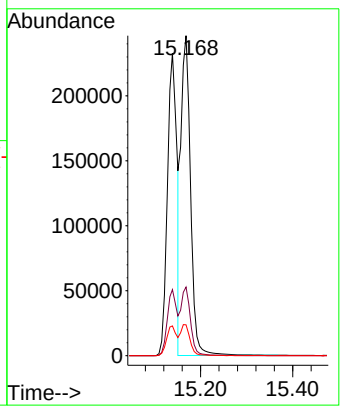


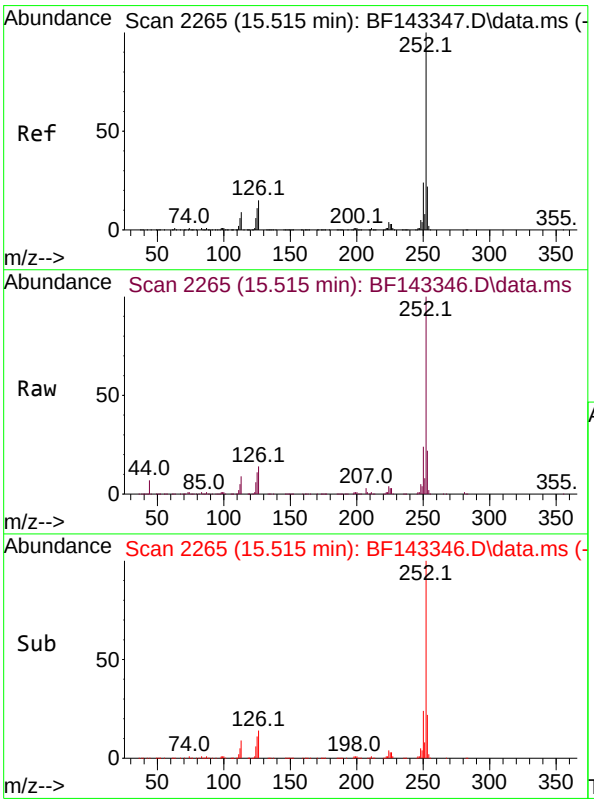
#89
Benzo(k)fluoranthene
Concen: 21.789 ng
RT: 15.168 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 355480

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	9.7	8.4	12.6

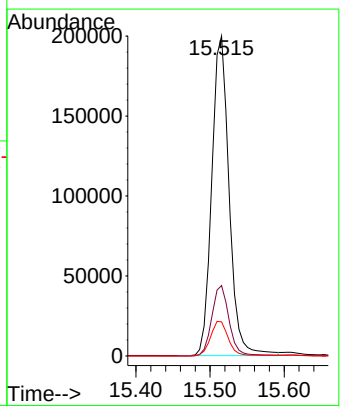


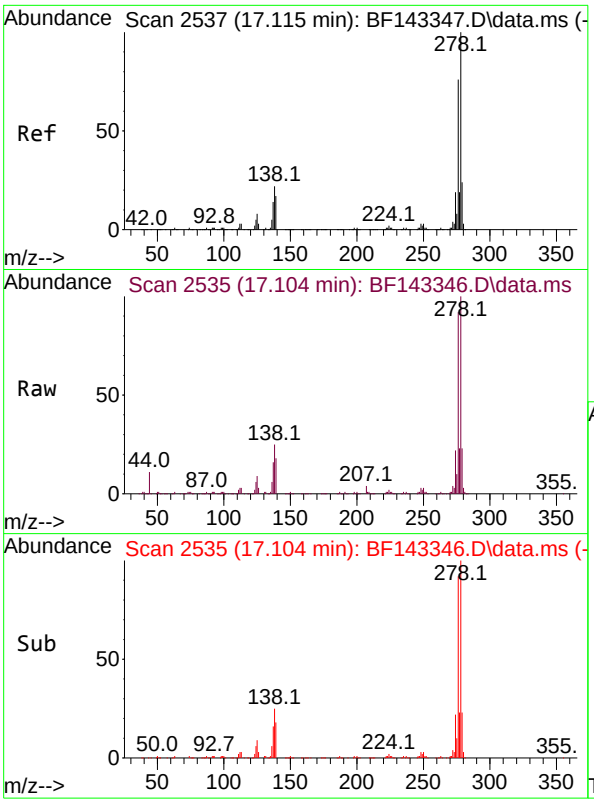


#90
Benzo(a)pyrene
Concen: 20.580 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:252 Resp: 325450

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.6	9.1	13.7



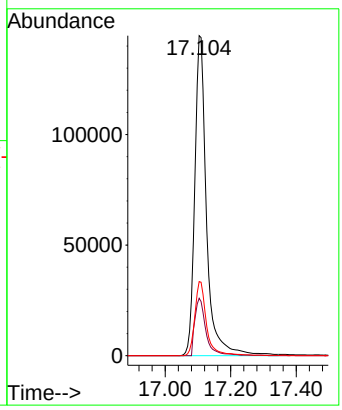


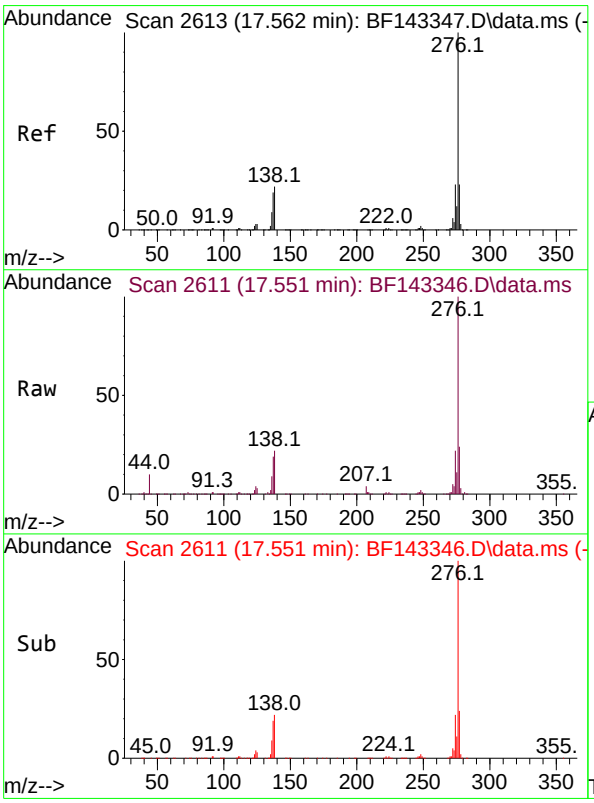
#91
Dibenzo(a,h)anthracene
Concen: 20.688 ng
RT: 17.104 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 363491

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.0	21.0
279	23.1	19.4	29.0

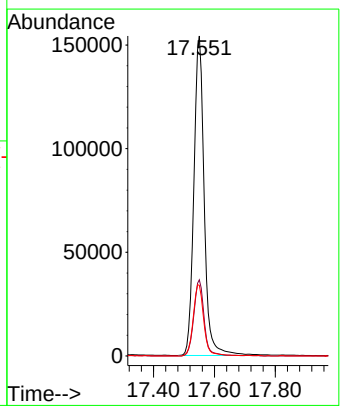




#92
Benzo(g,h,i)perylene
Concen: 20.596 ng
RT: 17.551 min Scan# 2611
Delta R.T. -0.012 min
Lab File: BF143346.D
Acq: 12 Aug 2025 10:35

Tgt Ion:276 Resp: 364540

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	22.1	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	167361	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	655032	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	345532	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	517467	20.000	ng	0.00
76) Chrysene-d12	14.092	240	290137	20.000	ng	0.00
86) Perylene-d12	15.580	264	328158	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	789566	81.582	ng	0.00
7) Phenol-d6	6.563	99	1004217	80.913	ng	0.00
23) Nitrobenzene-d5	7.492	82	879802	83.642	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	220484	87.313	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1565121	76.811	ng	0.00
79) Terphenyl-d14	13.033	244	1263446	77.745	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	199574	39.850	ng	100
3) Pyridine	3.534	79	540627	40.510	ng	100
4) n-Nitrosodimethylamine	3.475	42	253901	40.843	ng	100
6) Aniline	6.593	93	709158	40.530	ng	100
8) 2-Chlorophenol	6.716	128	421515	40.760	ng	100
9) Benzaldehyde	6.481	77	338386	41.251	ng	100
10) Phenol	6.575	94	596665	40.582	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	437082	40.336	ng	100
12) 1,3-Dichlorobenzene	6.875	146	479321	40.184	ng	100
13) 1,4-Dichlorobenzene	6.951	146	473345	39.538	ng	100
14) 1,2-Dichlorobenzene	7.104	146	451017	39.687	ng	100
15) Benzyl Alcohol	7.069	79	364330	40.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.198	45	775460	40.085	ng	100
17) 2-Methylphenol	7.181	107	355981	40.780	ng	100
18) Hexachloroethane	7.445	117	154773	41.236	ng	100
19) n-Nitroso-di-n-propyla...	7.340	70	304543	39.712	ng	100
20) 3+4-Methylphenols	7.334	107	431056	40.831	ng	100
22) Acetophenone	7.334	105	562380	38.966	ng	100
24) Nitrobenzene	7.510	77	469916	41.135	ng	100
25) Isophorone	7.751	82	845188	39.360	ng	100
26) 2-Nitrophenol	7.828	139	165661	37.083	ng	100
27) 2,4-Dimethylphenol	7.863	122	365692	40.820	ng	100
28) bis(2-Chloroethoxy)met...	7.957	93	518389	39.540	ng	100
29) 2,4-Dichlorophenol	8.069	162	360583	41.210	ng	100
30) 1,2,4-Trichlorobenzene	8.151	180	363439	39.377	ng	100
31) Naphthalene	8.234	128	1237121	39.250	ng	100
32) Benzoic acid	7.969	122	141523	39.021	ng	100
33) 4-Chloroaniline	8.281	127	452276	39.784	ng	100
34) Hexachlorobutadiene	8.357	225	229101	39.902	ng	100
35) Caprolactam	8.645	113	103025	41.884	ng	100
36) 4-Chloro-3-methylphenol	8.757	107	375017	40.883	ng	100
37) 2-Methylnaphthalene	8.928	142	814304	39.298	ng	100
38) 1-Methylnaphthalene	9.022	142	779823	39.075	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	374807	39.640	ng	100
41) Hexachlorocyclopentadiene	9.081	237	115551	38.401	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	230730	43.008	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	260681	43.029	ng	100
46) 1,1'-Biphenyl	9.386	154	959774	39.285	ng	100
47) 2-Chloronaphthalene	9.416	162	756597	39.322	ng	100
48) 2-Nitroaniline	9.504	65	213717	39.058	ng	100
49) Acenaphthylene	9.828	152	1097291	39.490	ng	100
50) Dimethylphthalate	9.681	163	815627	40.398	ng	100
51) 2,6-Dinitrotoluene	9.745	165	147260	39.128	ng	100
52) Acenaphthene	9.998	154	728691	39.446	ng	100
53) 3-Nitroaniline	9.916	138	180447	43.642	ng	100
54) 2,4-Dinitrophenol	10.022	184	45578	39.434	ng	100
55) Dibenzofuran	10.175	168	1043986	39.267	ng	100
56) 4-Nitrophenol	10.075	139	119387	39.132	ng	100
57) 2,4-Dinitrotoluene	10.145	165	199781	39.946	ng	100
58) Fluorene	10.516	166	789149	38.860	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	176166	43.137	ng	100
60) Diethylphthalate	10.381	149	746813	41.295	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	389122	39.656	ng	100
62) 4-Nitroaniline	10.528	138	171799	42.946	ng	100
63) Azobenzene	10.663	77	824319	39.906	ng	100
65) 4,6-Dinitro-2-methylph...	10.557	198	73478	37.049	ng	100
66) n-Nitrosodiphenylamine	10.622	169	678152	39.800	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	239456	40.461	ng	100
68) Hexachlorobenzene	11.069	284	252547	39.589	ng	100
69) Atrazine	11.145	200	184584	41.534	ng	100
70) Pentachlorophenol	11.263	266	111946	39.119	ng	100
71) Phenanthrene	11.475	178	1118795	39.627	ng	100
72) Anthracene	11.528	178	1126030	39.327	ng	100
73) Carbazole	11.680	167	966534	39.637	ng	100
74) Di-n-butylphthalate	12.010	149	894432	43.346	ng	100
75) Fluoranthene	12.663	202	949305	38.386	ng	100
77) Benzidine	12.780	184	343155	43.261	ng	100
78) Pyrene	12.892	202	963681	39.593	ng	100
80) Butylbenzylphthalate	13.504	149	175897	37.368	ng	100
81) Benzo(a)anthracene	14.080	228	730158	39.595	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	211236	42.421	ng	100
83) Chrysene	14.116	228	681835	39.653	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	256146	37.186	ng	100
85) Di-n-octyl phthalate	14.674	149	515170	38.008	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	950872	40.445	ng	100
88) Benzo(b)fluoranthene	15.145	252	733725	40.879	ng	100
89) Benzo(k)fluoranthene	15.168	252	679660	38.970	ng	100
90) Benzo(a)pyrene	15.515	252	678288	40.124	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	767630	40.870	ng	100
92) Benzo(g,h,i)perylene	17.562	276	767224	40.549	ng	100

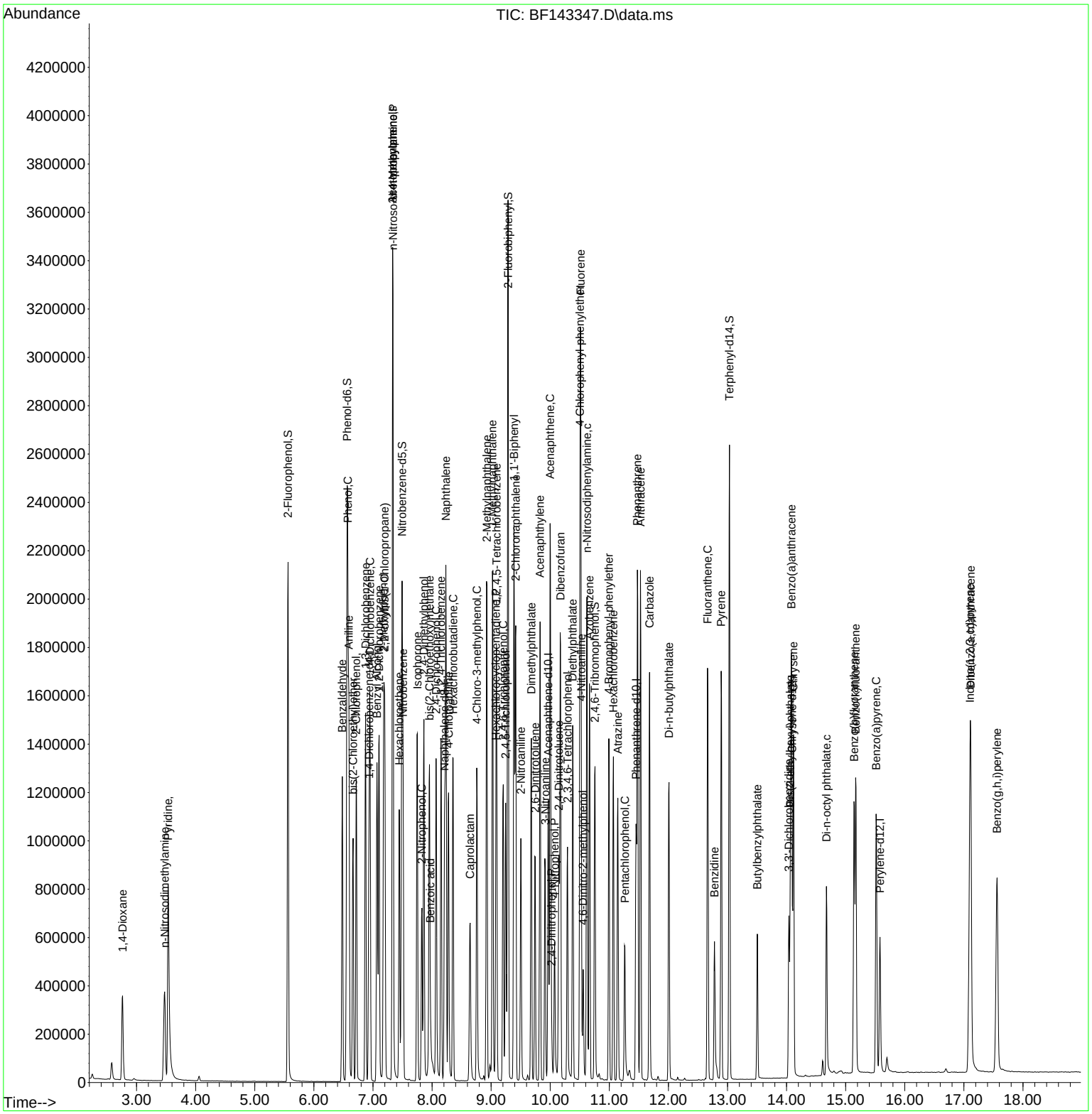
(#) = qualifier out of range (m) = manual integration (+) = signals summed

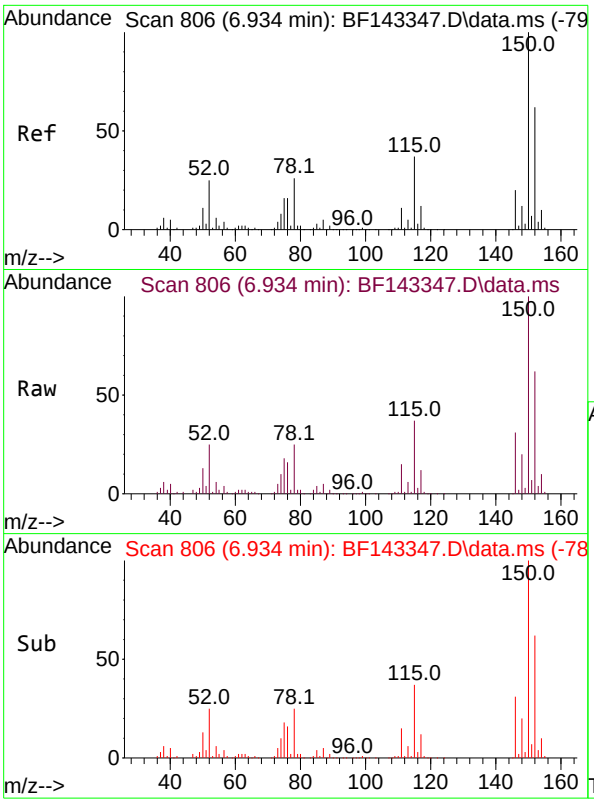
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143347.D
Acq On : 12 Aug 2025 11:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Aug 12 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



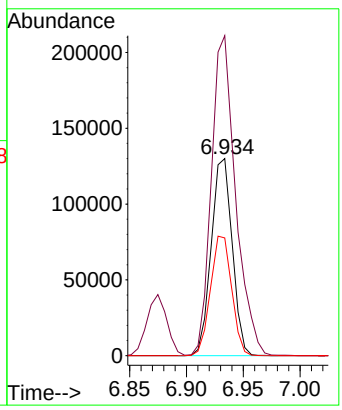


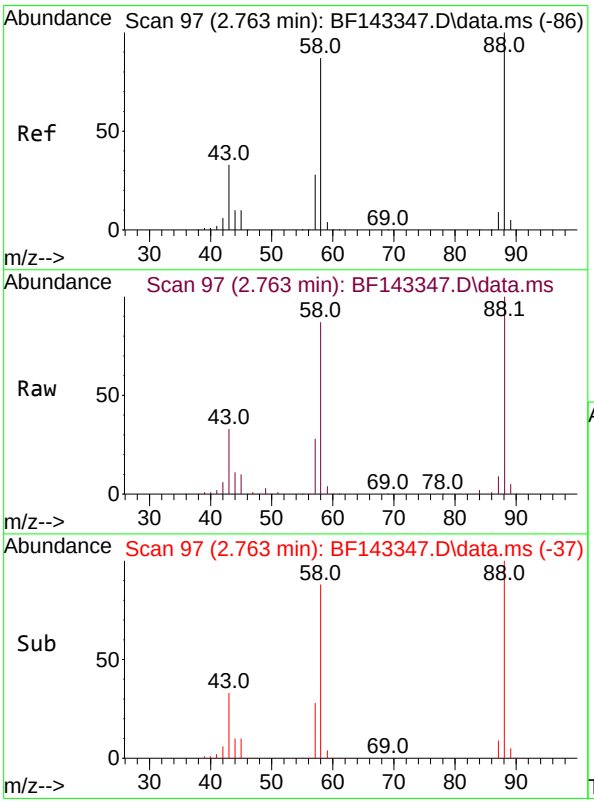
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 167361

Ion	Ratio	Lower	Upper
152	100		
150	162.3	129.8	194.8
115	59.8	47.8	71.8

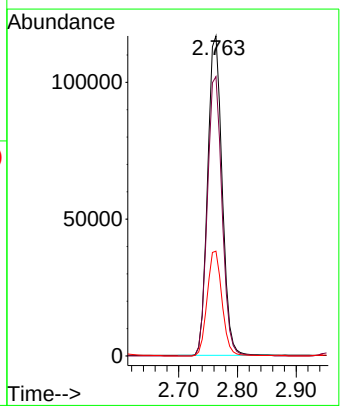


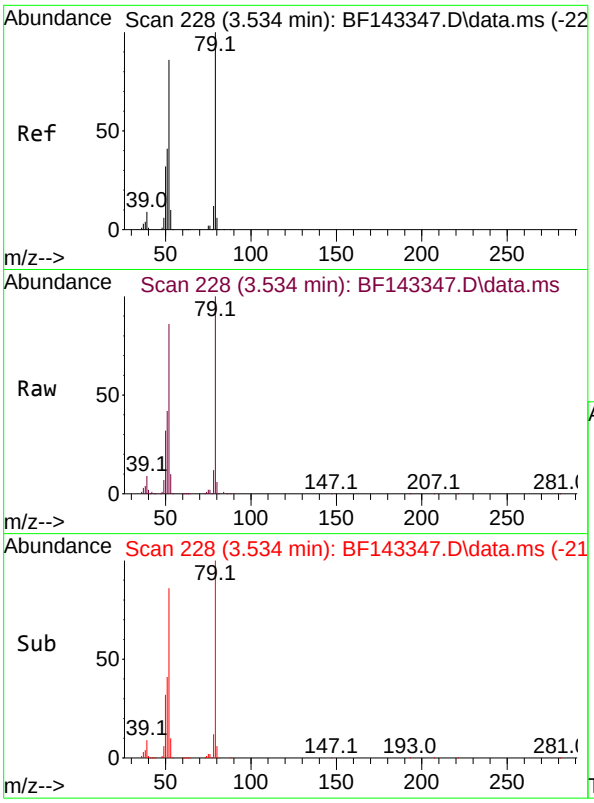


#2
1,4-Dioxane
Concen: 39.850 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 88 Resp: 199574

Ion	Ratio	Lower	Upper
88	100		
58	88.8	71.0	106.6
43	33.8	27.0	40.6



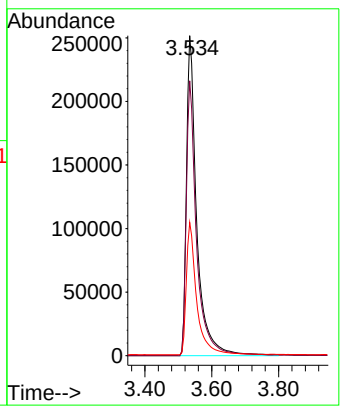


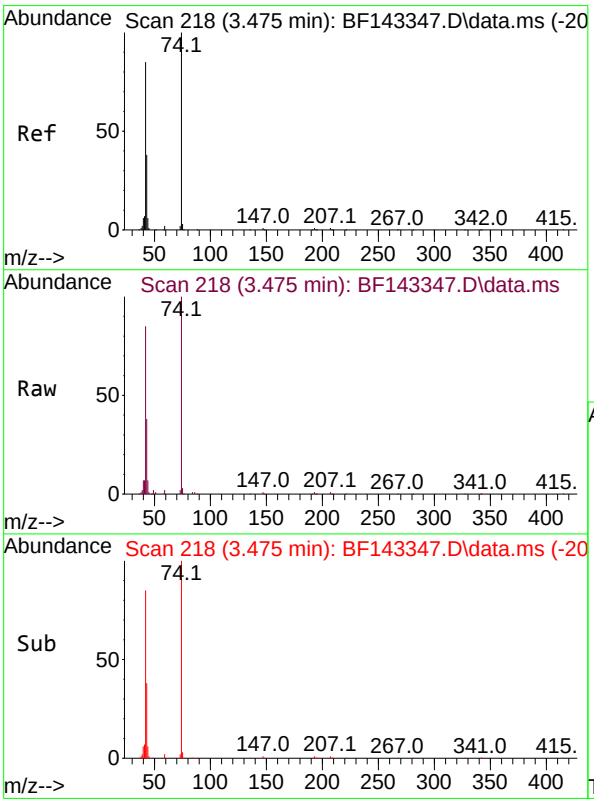
#3
Pyridine
Concen: 40.510 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 540627

Ion	Ratio	Lower	Upper
79	100		
52	85.9	68.7	103.1
51	41.7	33.4	50.0

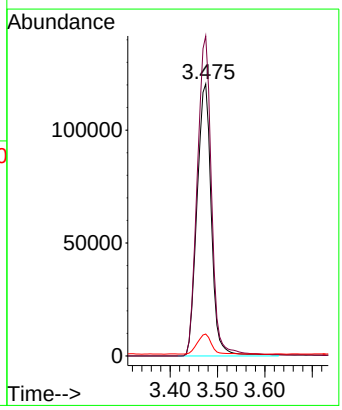


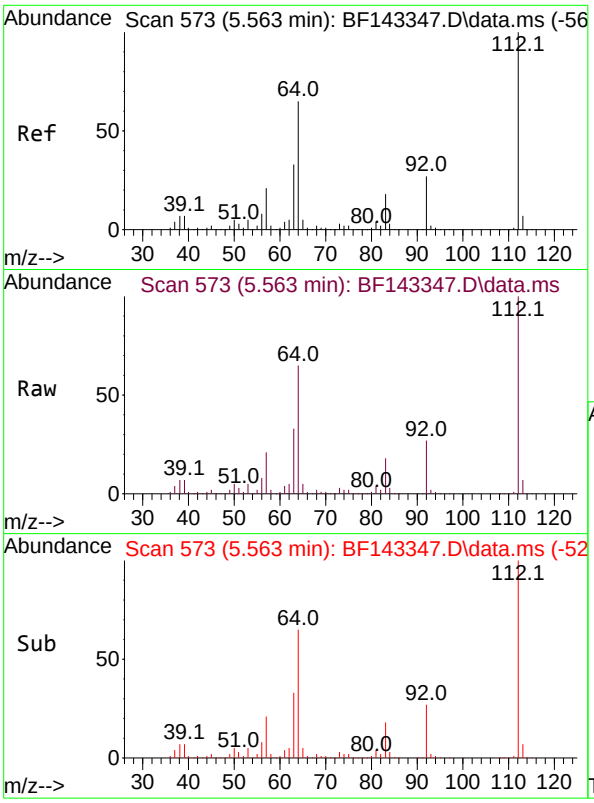


#4
n-Nitrosodimethylamine
Concen: 40.843 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 42 Resp: 253901

Ion	Ratio	Lower	Upper
42	100		
74	117.6	94.1	141.1
44	8.1	6.5	9.7



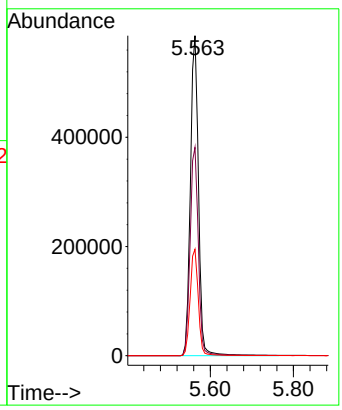


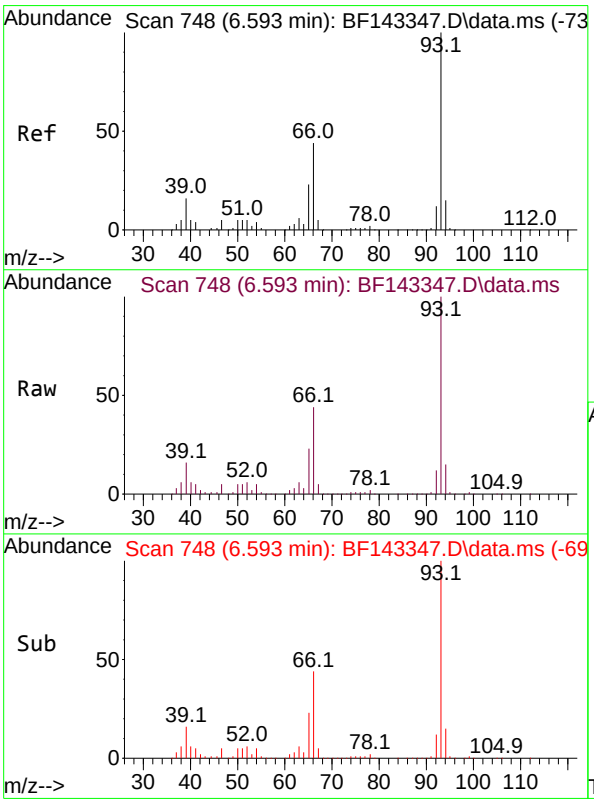
#5
2-Fluorophenol
Concen: 81.582 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 789566

Ion	Ratio	Lower	Upper
112	100		
64	65.1	52.1	78.1
63	33.2	26.6	39.8

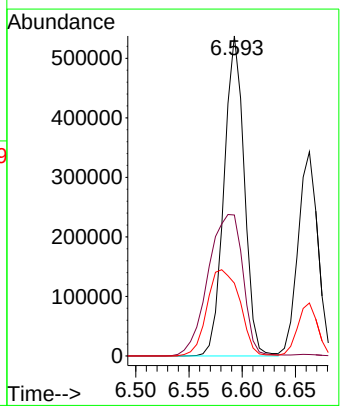


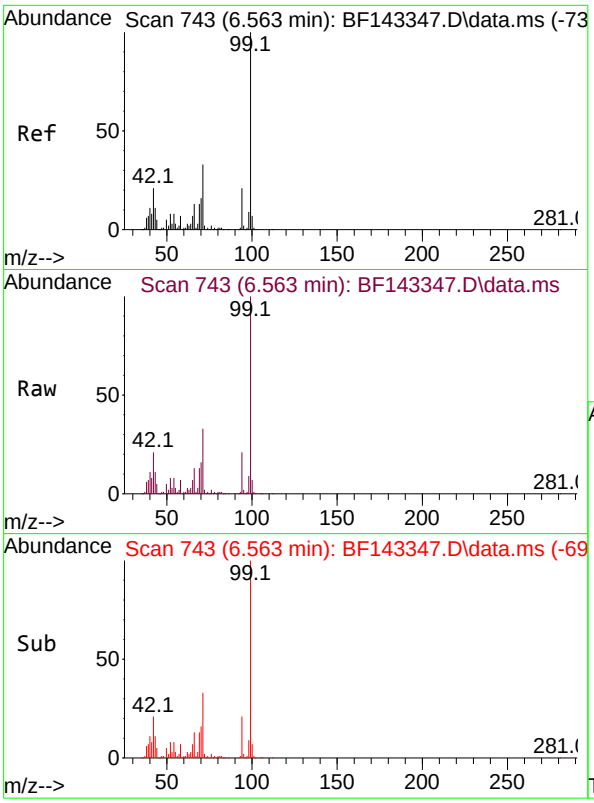


#6
Aniline
Concen: 40.530 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 93 Resp: 709158

Ion	Ratio	Lower	Upper
93	100		
66	44.1	35.3	52.9
65	22.8	18.2	27.4



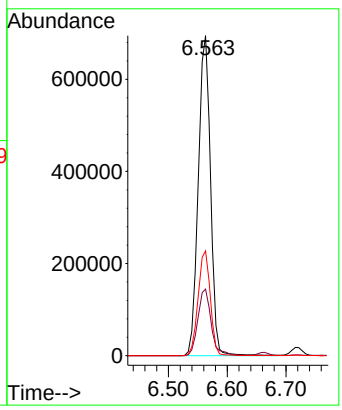


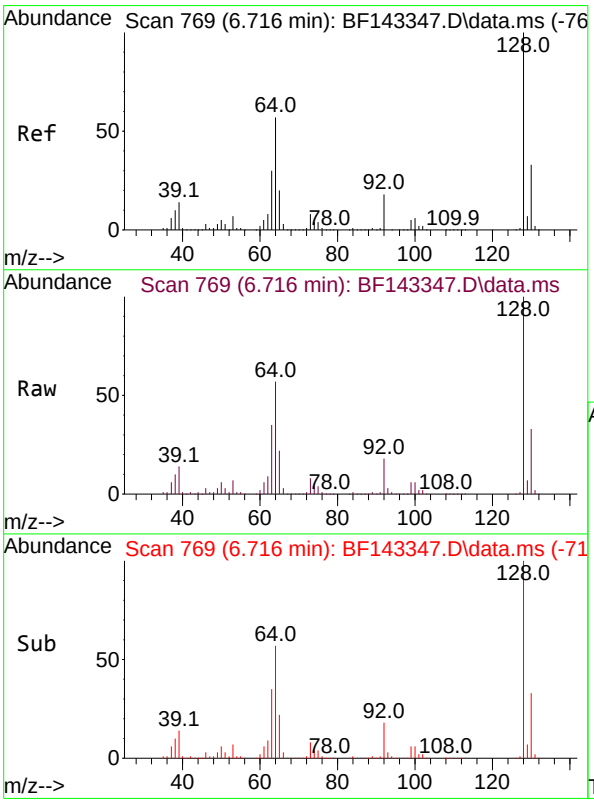
#7
Phenol-d6
Concen: 80.913 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1004217

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.7	26.2	39.2

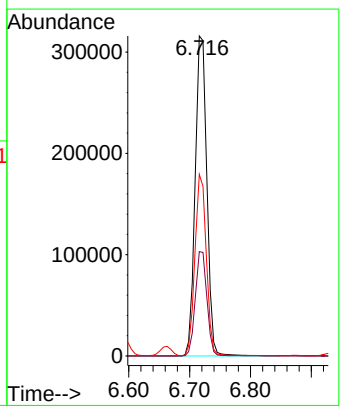


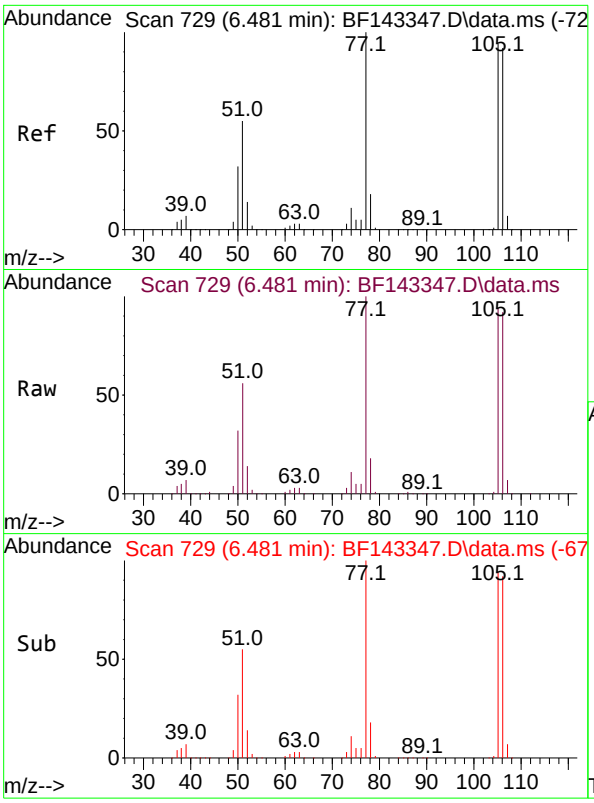


#8
2-Chlorophenol
Concen: 40.760 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:128 Resp: 421515

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	56.7	36.7	76.7



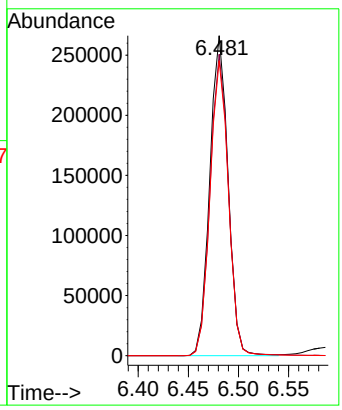


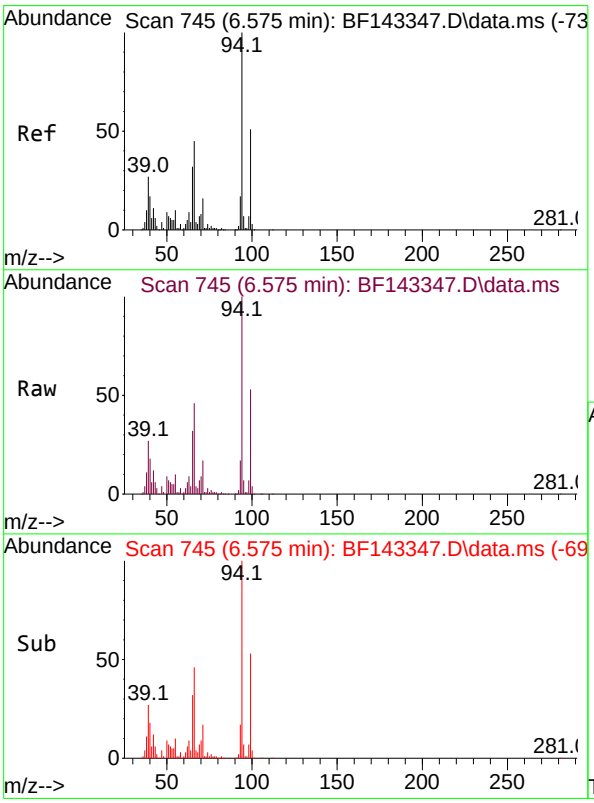
#9
Benzaldehyde
Concen: 41.251 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 338386

Ion	Ratio	Lower	Upper
77	100		
105	94.2	74.2	114.2
106	92.2	72.2	112.2

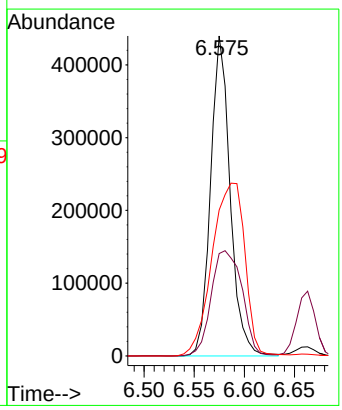


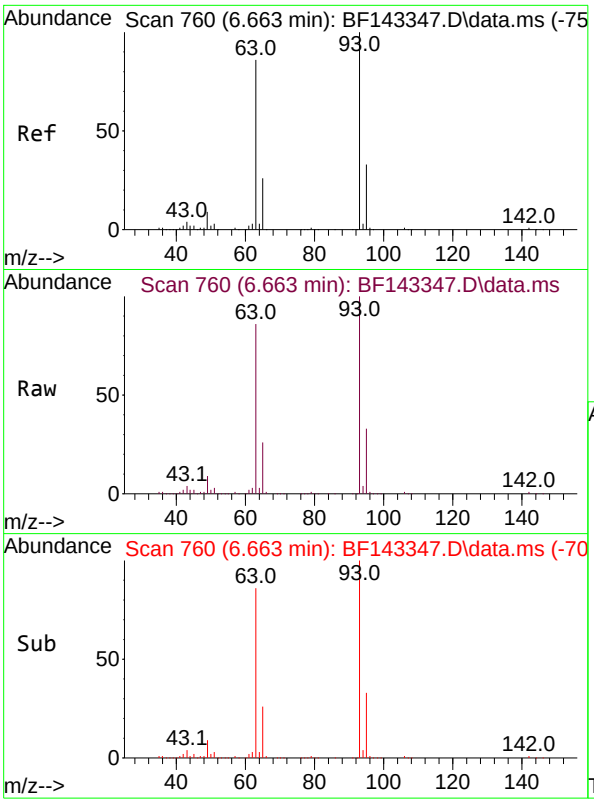


#10
Phenol
Concen: 40.582 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 94 Resp: 596665

Ion	Ratio	Lower	Upper
94	100		
65	32.0	12.0	52.0
66	45.6	25.6	65.6



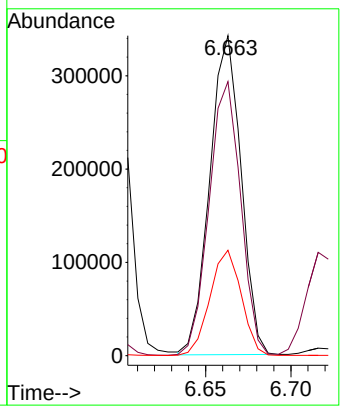


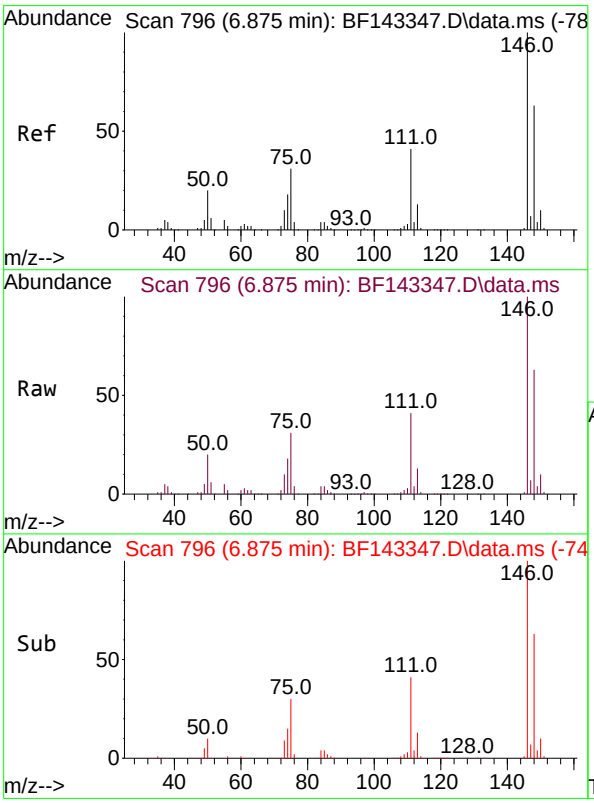
#11
bis(2-Chloroethyl)ether
Concen: 40.336 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 437082

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.7	105.7
95	33.0	13.0	53.0

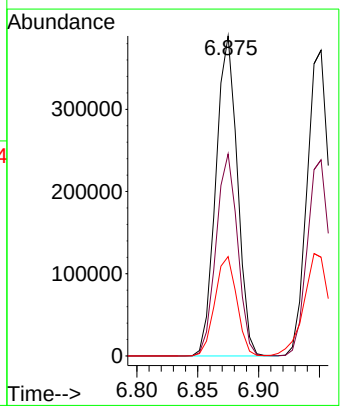


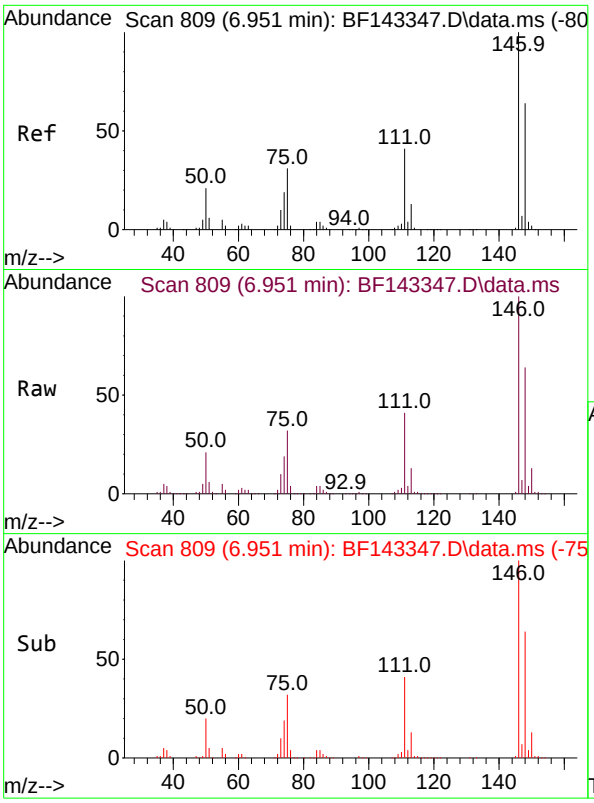


#12
1,3-Dichlorobenzene
Concen: 40.184 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:146 Resp: 479321

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
75	31.1	24.9	37.3



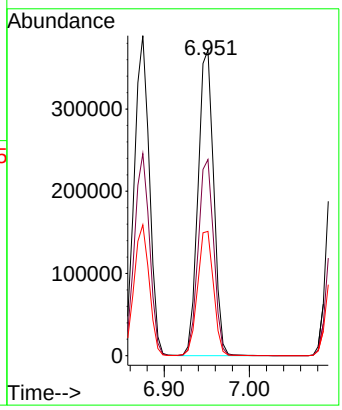


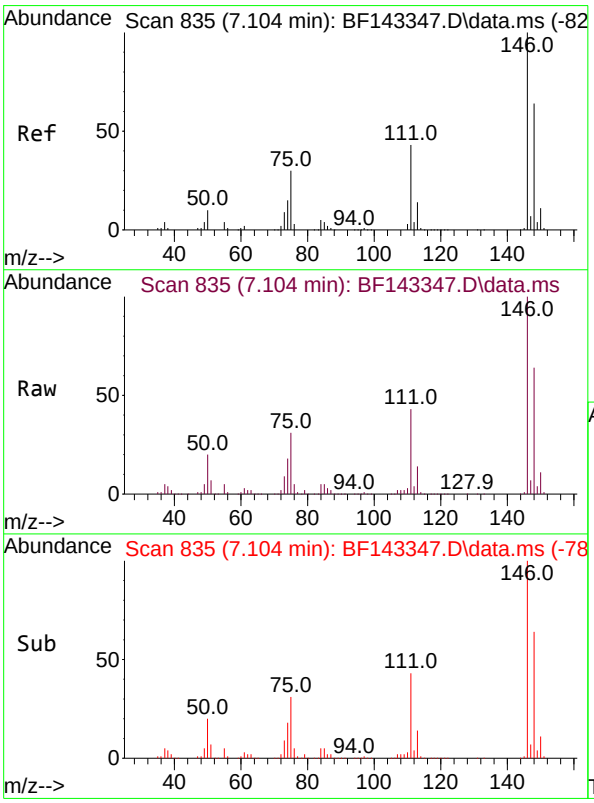
#13
1,4-Dichlorobenzene
Concen: 39.538 ng
RT: 6.951 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 473345

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	40.7	32.6	48.8

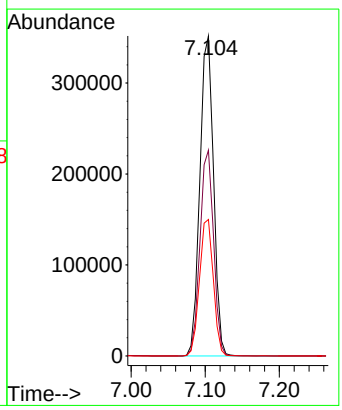


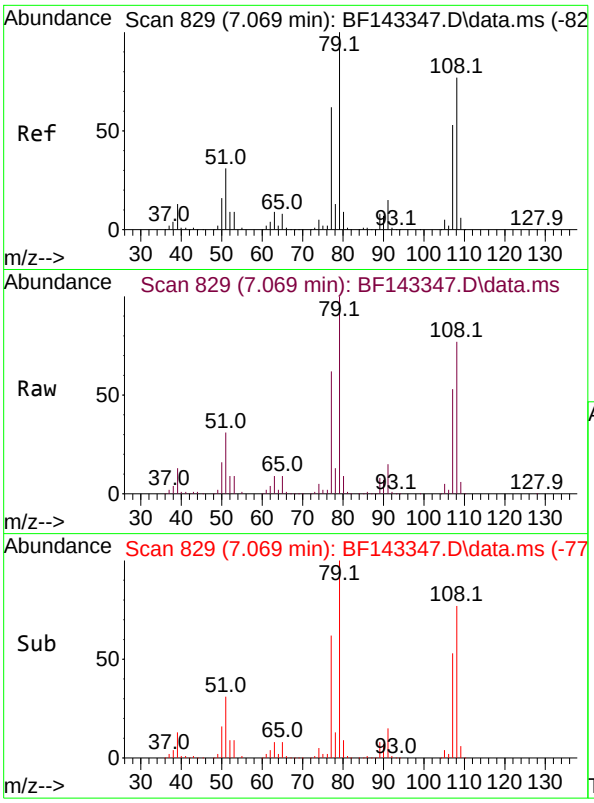


#14
1,2-Dichlorobenzene
Concen: 39.687 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:146 Resp: 451017

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	42.6	34.1	51.1



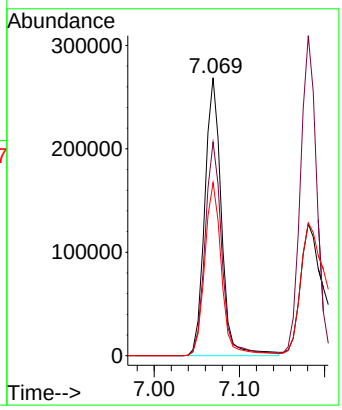


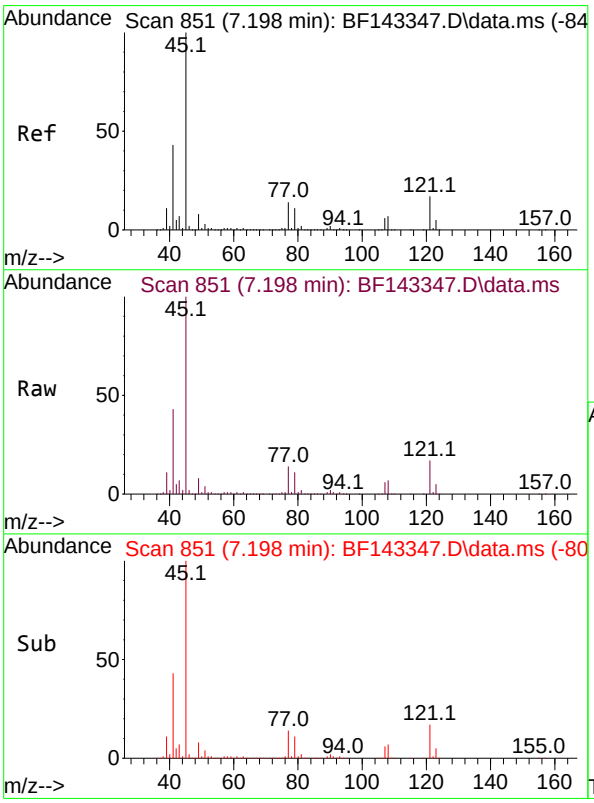
#15
Benzyl Alcohol
Concen: 40.952 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 364330

Ion	Ratio	Lower	Upper
79	100		
108	76.9	61.5	92.3
77	62.3	49.8	74.8

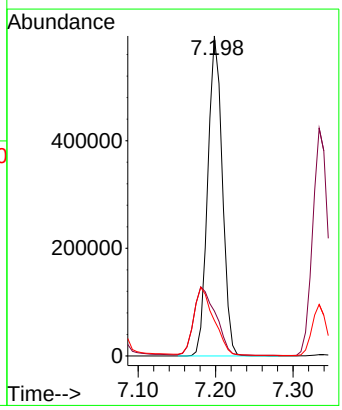


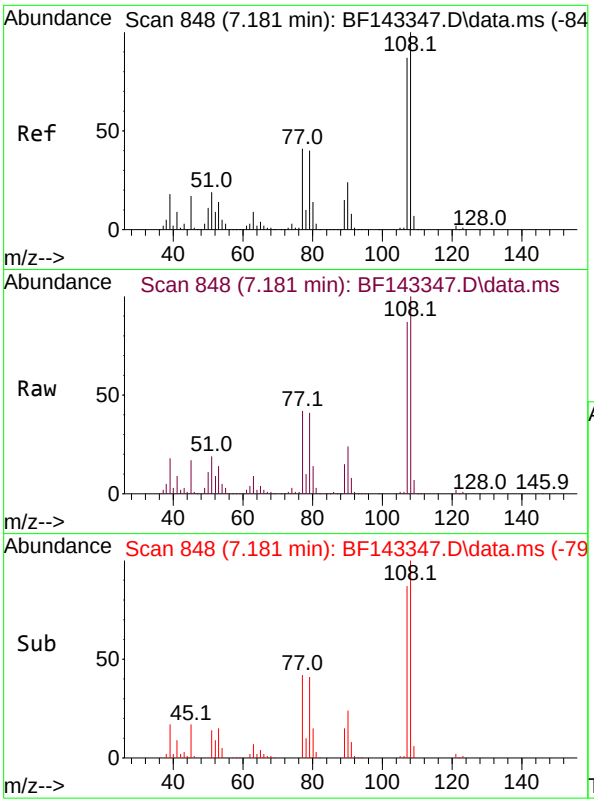


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.085 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 45 Resp: 775460

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	34.0
79	11.1	0.0	31.1



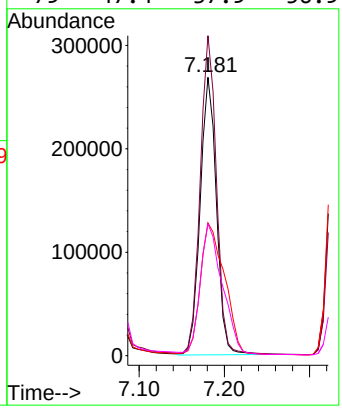


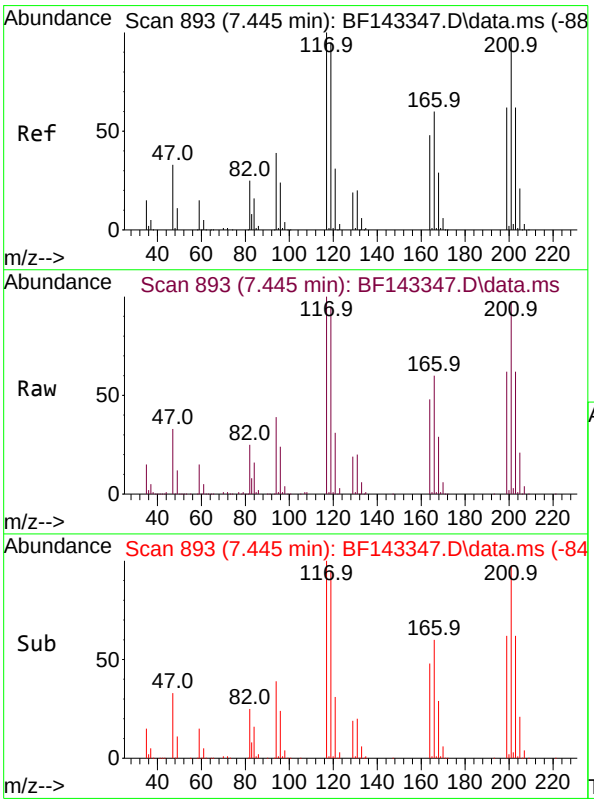
#17
2-Methylphenol
Concen: 40.780 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 355981

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	47.7	38.2	57.2
79	47.4	37.9	56.9

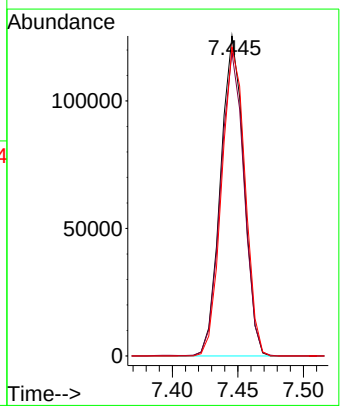


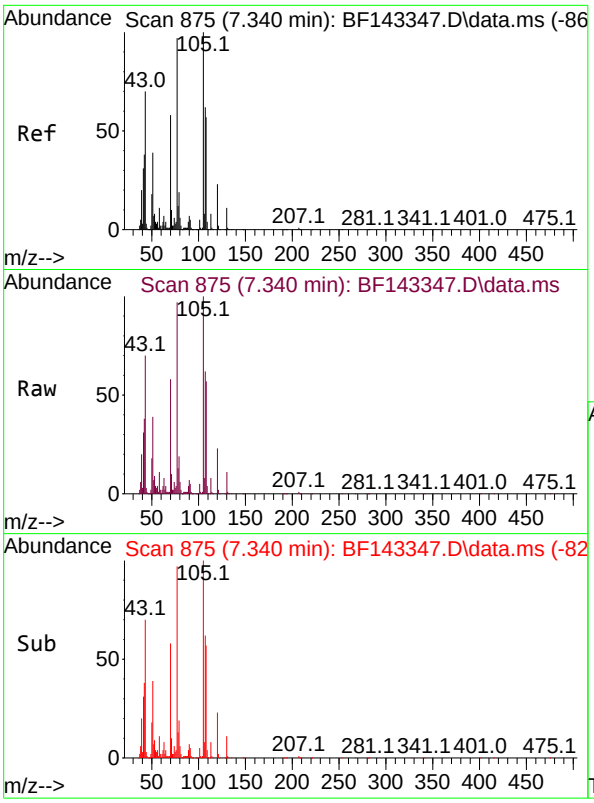


#18
Hexachloroethane
Concen: 41.236 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:117 Resp: 154773

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	96.5	77.2	115.8



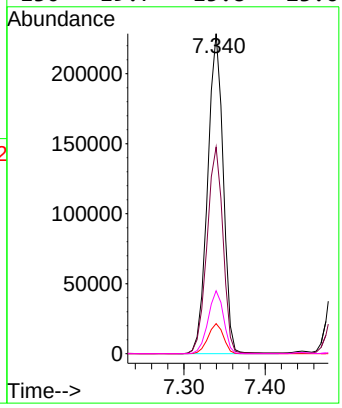


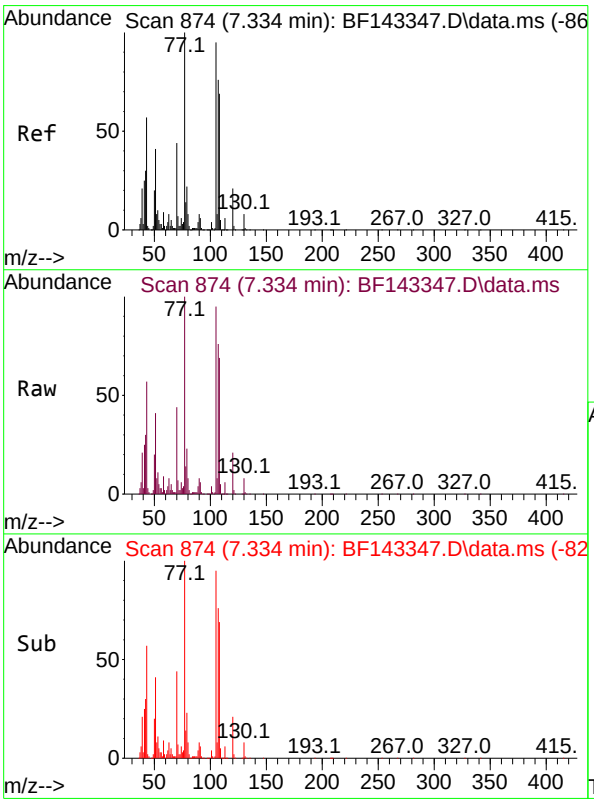
#19
n-Nitroso-di-n-propylamine
Concen: 39.712 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 304543

Ion	Ratio	Lower	Upper
70	100		
42	64.5	51.6	77.4
101	9.4	7.5	11.3
130	19.7	15.8	23.6

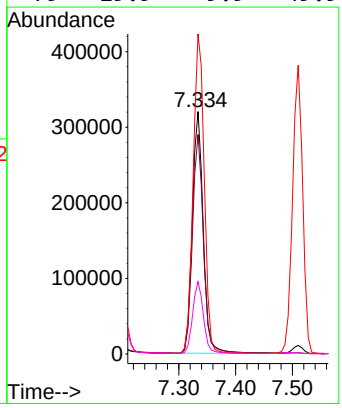


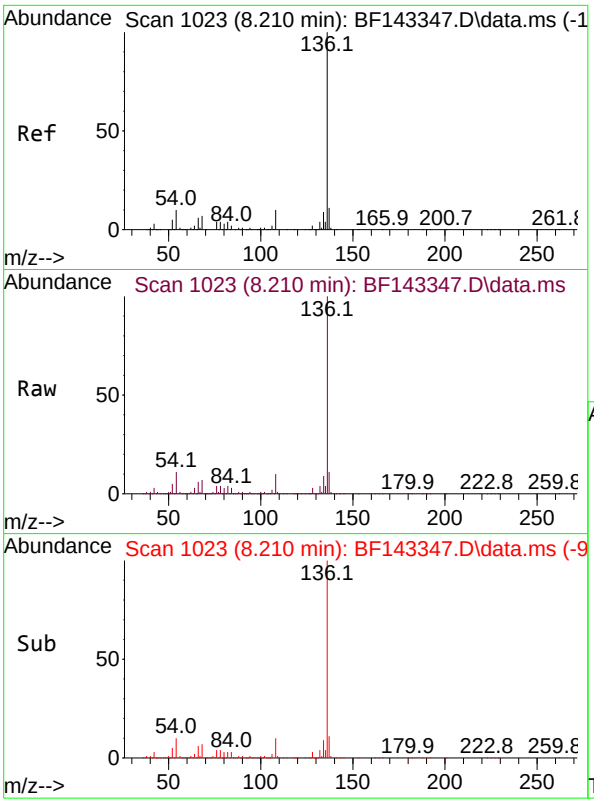


#20
3+4-Methylphenols
Concen: 40.831 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:107 Resp: 431056

Ion	Ratio	Lower	Upper
107	100		
108	90.6	70.6	110.6
77	132.0	112.0	152.0
79	29.9	9.9	49.9



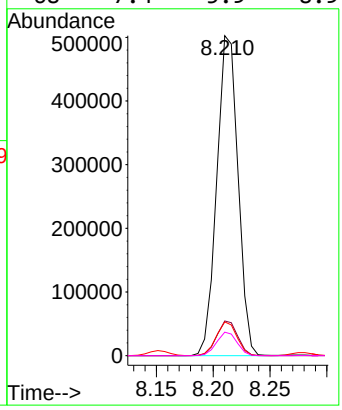


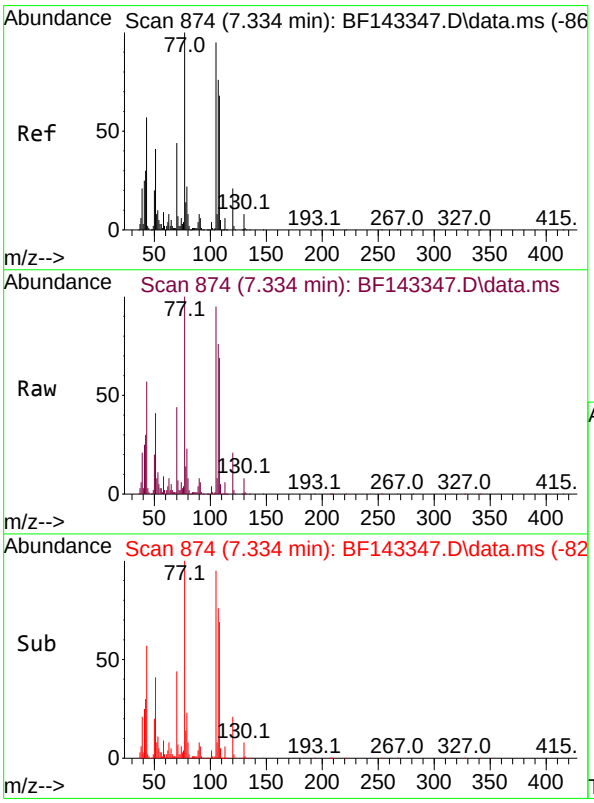
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 655032

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.5	8.4	12.6
68	7.4	5.9	8.9

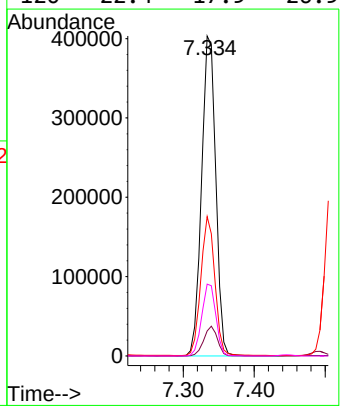


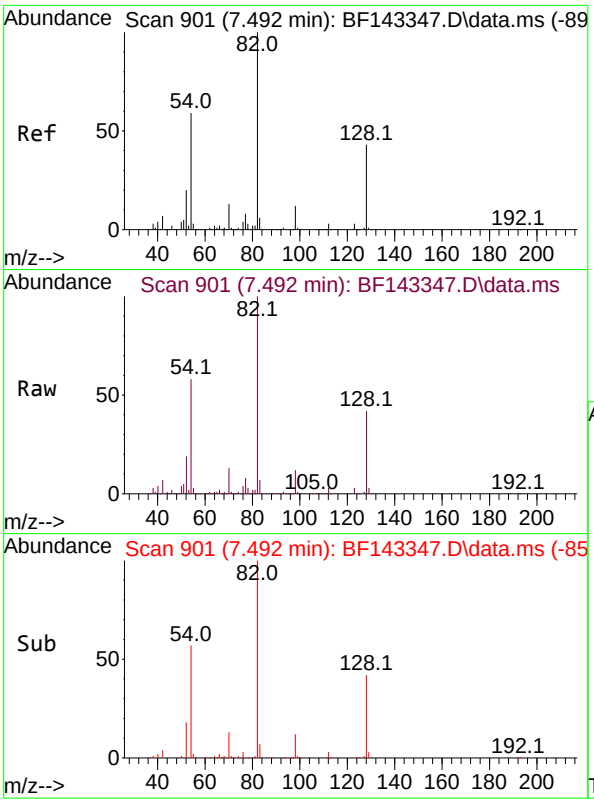


#22
Acetophenone
Concen: 38.966 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:105 Resp: 562380

Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.2	9.4
51	43.5	34.8	52.2
120	22.4	17.9	26.9



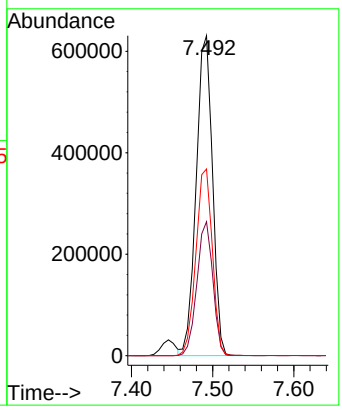


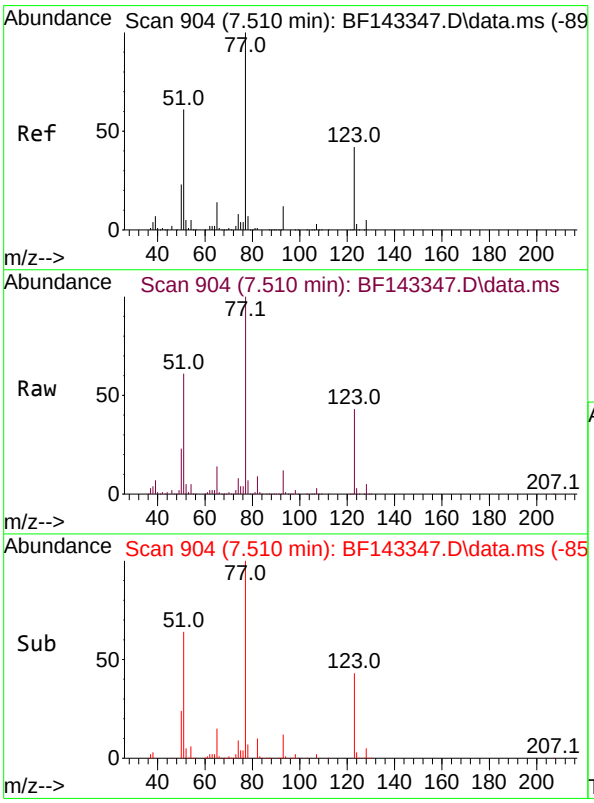
#23
Nitrobenzene-d5
Concen: 83.642 ng
RT: 7.492 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 879802

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.5	50.3
54	58.4	46.7	70.1

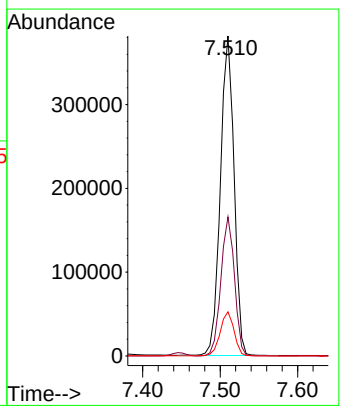


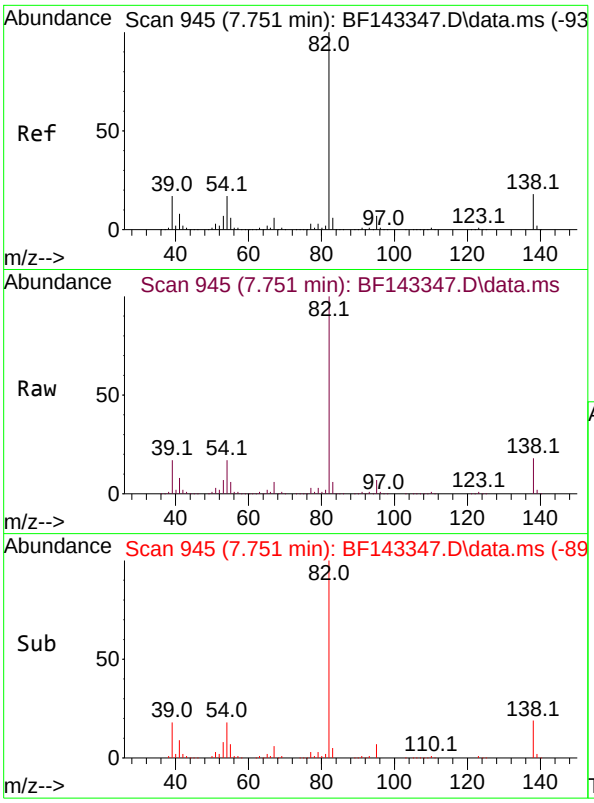


#24
Nitrobenzene
Concen: 41.135 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 77 Resp: 469916

Ion	Ratio	Lower	Upper
77	100		
123	43.5	34.8	52.2
65	13.8	11.0	16.6



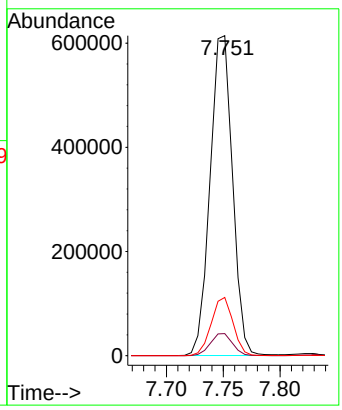


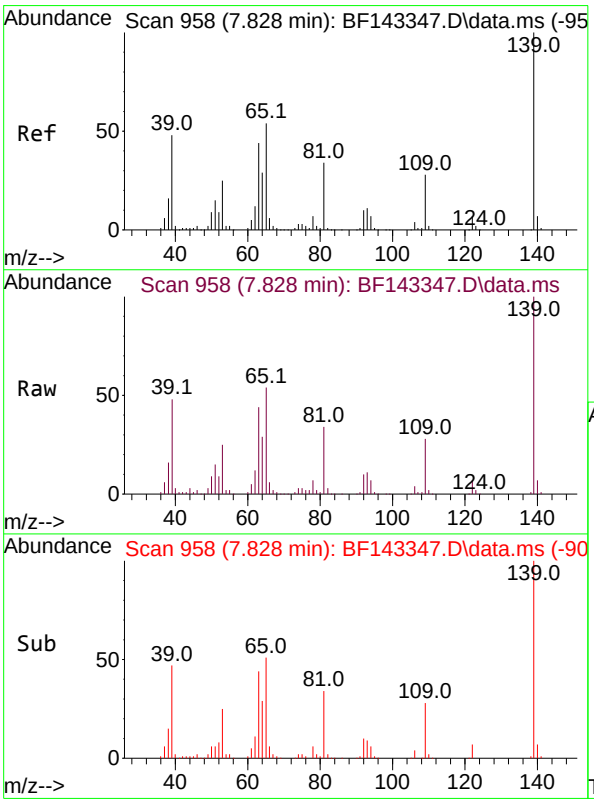
#25
Isophorone
Concen: 39.360 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 845188

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.2	14.6	21.8

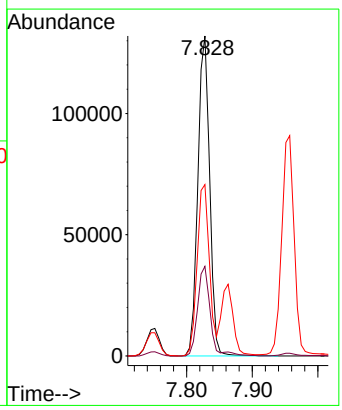


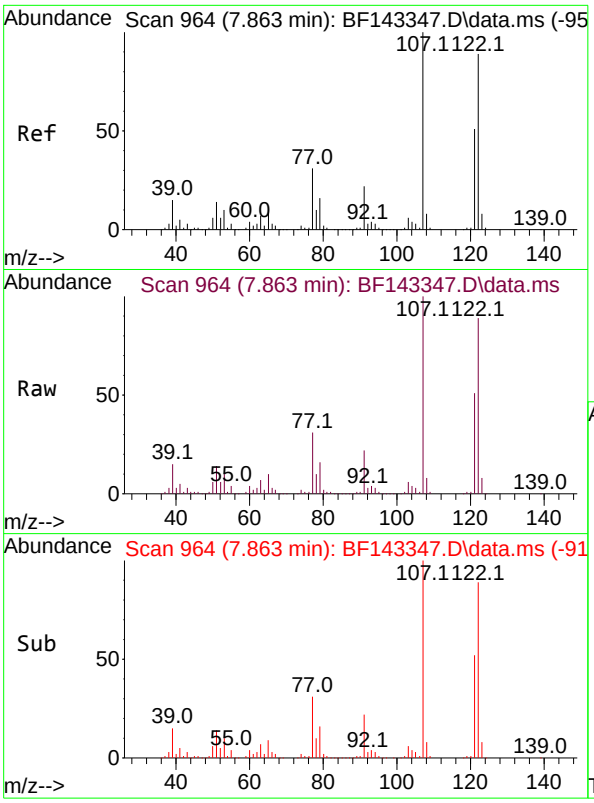


#26
2-Nitrophenol
Concen: 37.083 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:139 Resp: 165661

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.4	33.6
65	53.6	42.9	64.3



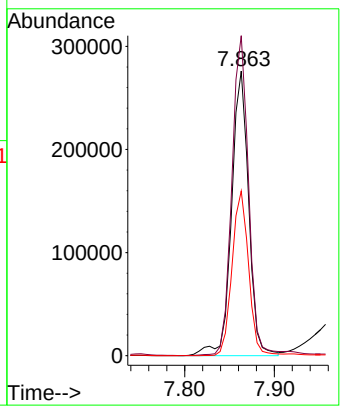


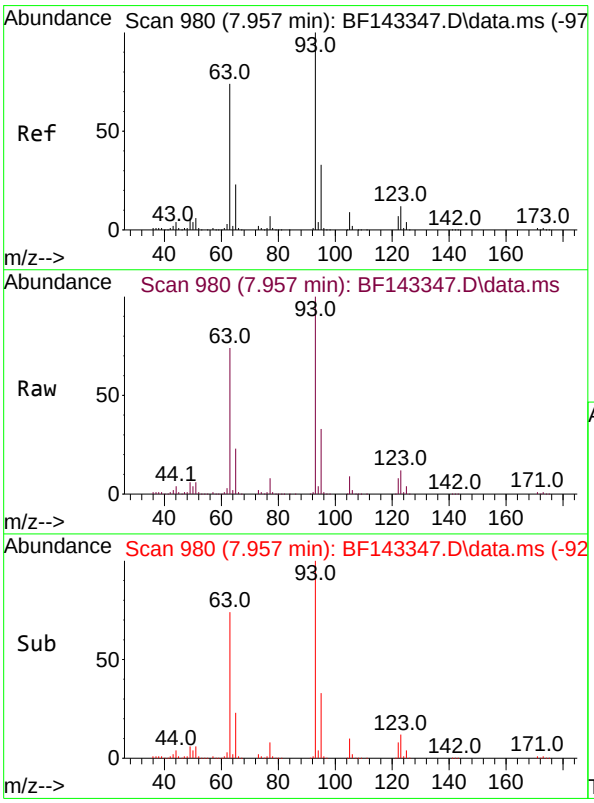
#27
2,4-Dimethylphenol
Concen: 40.820 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 365692

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	57.8	46.2	69.4

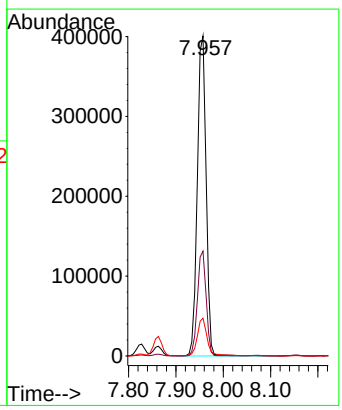


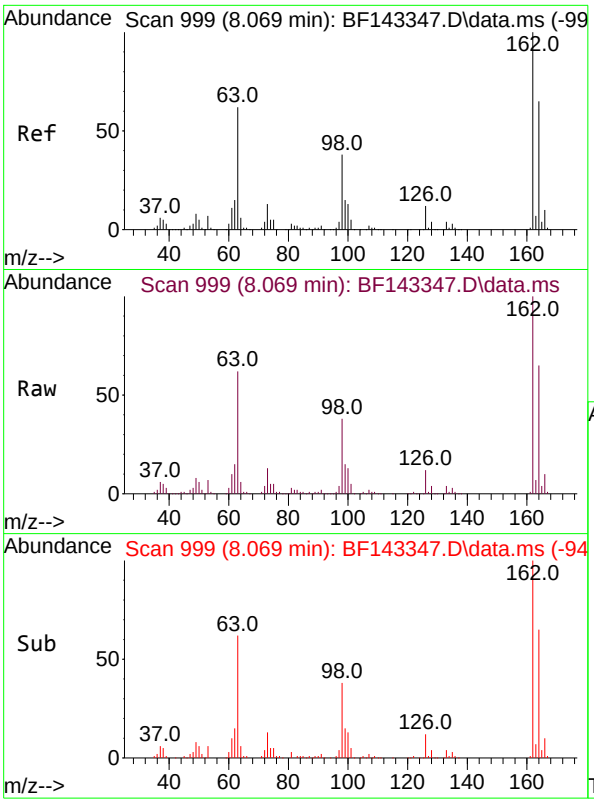


#28
bis(2-Chloroethoxy)methane
Concen: 39.540 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 93 Resp: 518389

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.8	9.4	14.2



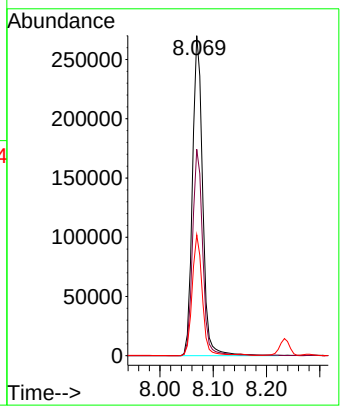


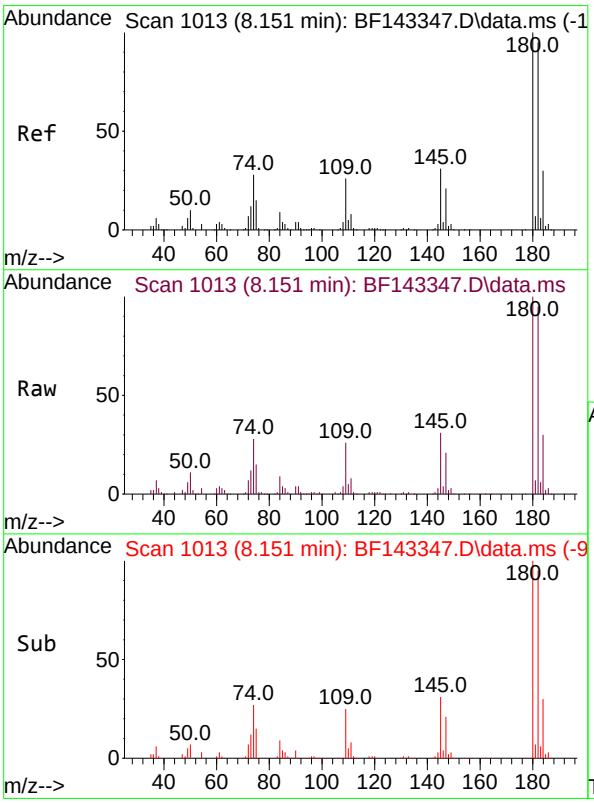
#29
2,4-Dichlorophenol
Concen: 41.210 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 360583

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.5	84.5
98	37.7	17.7	57.7

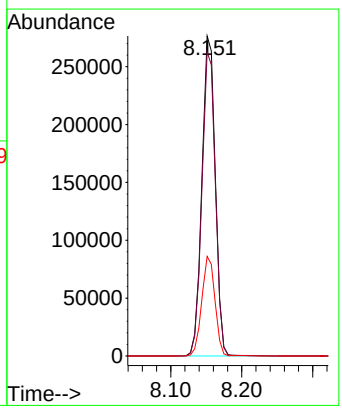


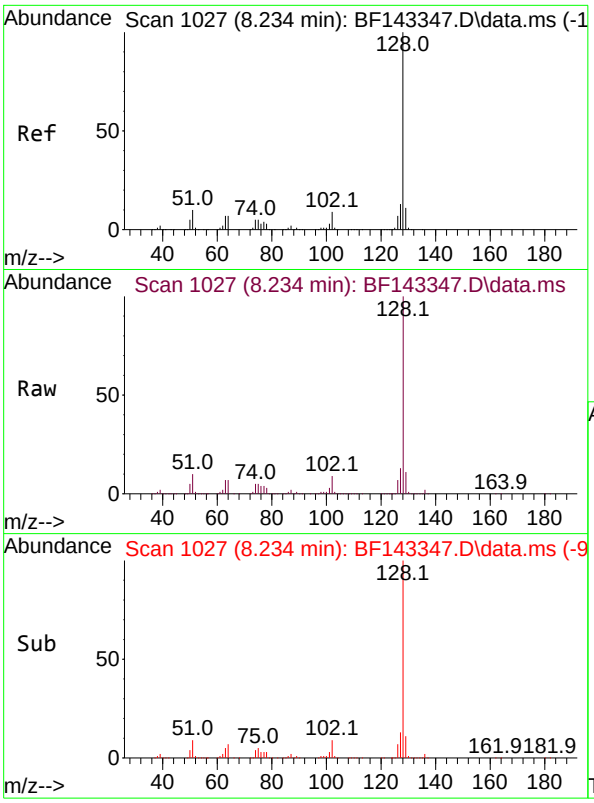


#30
1,2,4-Trichlorobenzene
Concen: 39.377 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:180 Resp: 363439

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	31.1	24.9	37.3



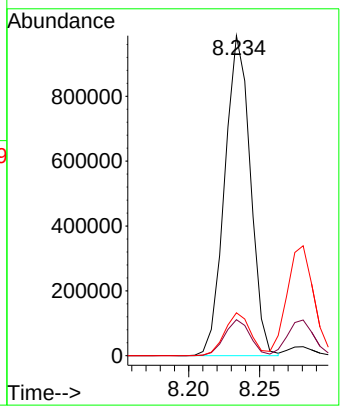


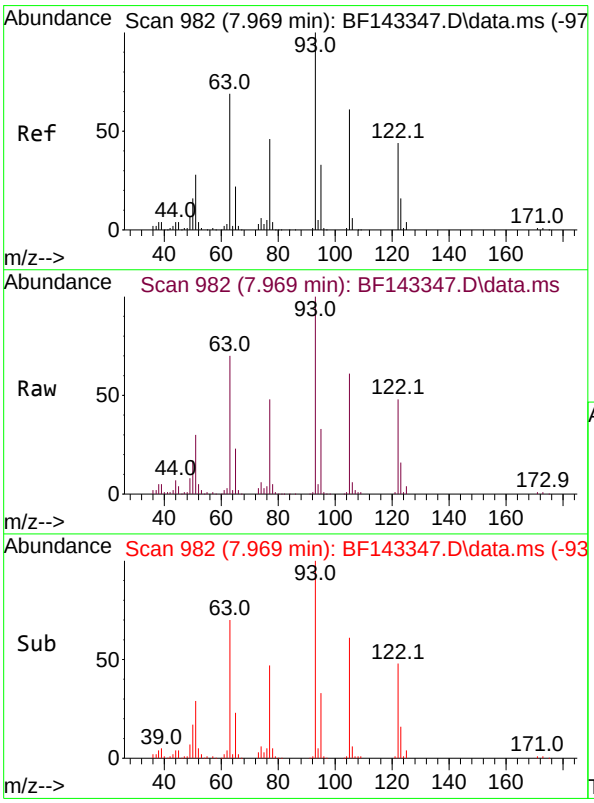
#31
Naphthalene
Concen: 39.250 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1237121

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.4	10.7	16.1

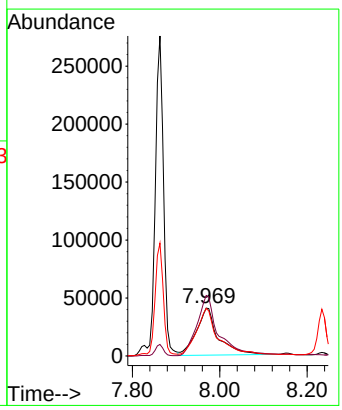


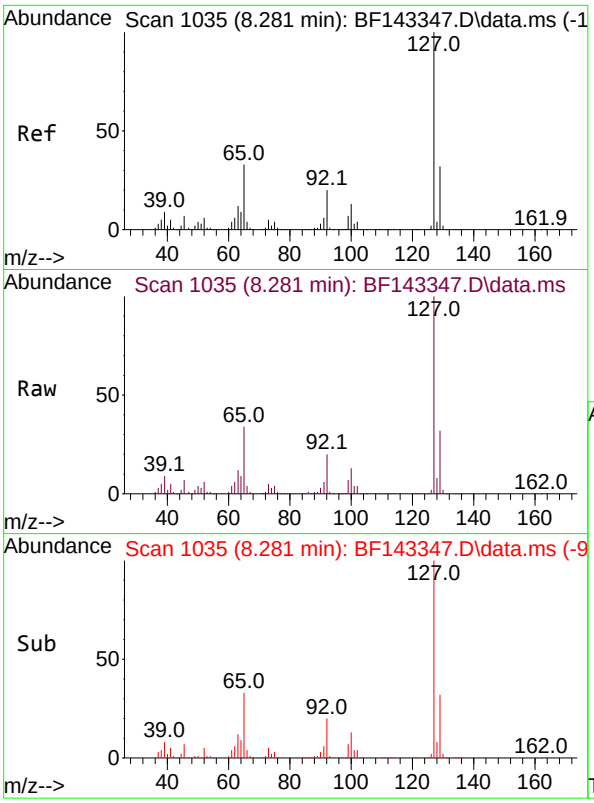


#32
Benzoic acid
Concen: 39.021 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:122 Resp: 141523

Ion	Ratio	Lower	Upper
122	100		
105	126.4	106.4	146.4
77	99.2	79.2	119.2



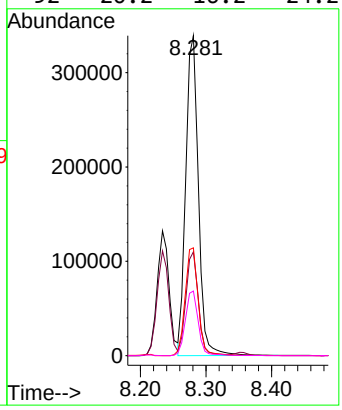


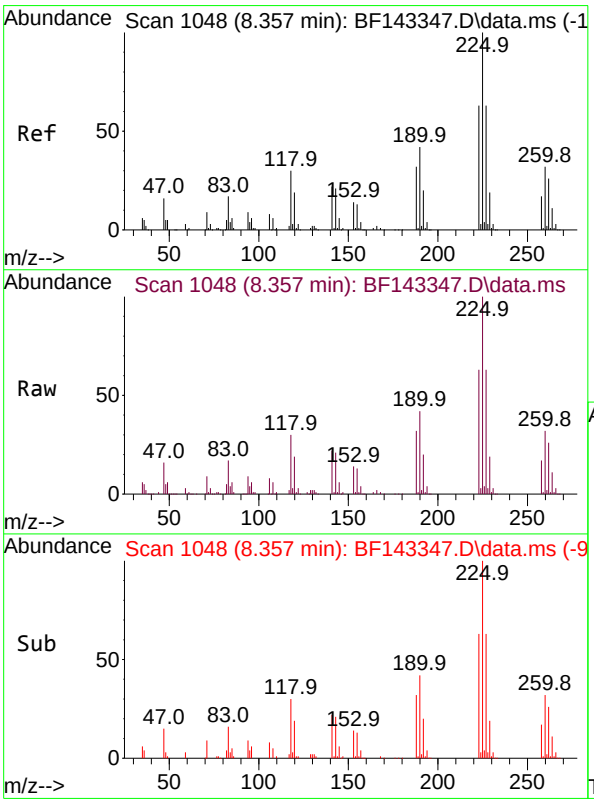
#33
4-Chloroaniline
Concen: 39.784 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 452276

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	33.7	27.0	40.4
92	20.2	16.2	24.2

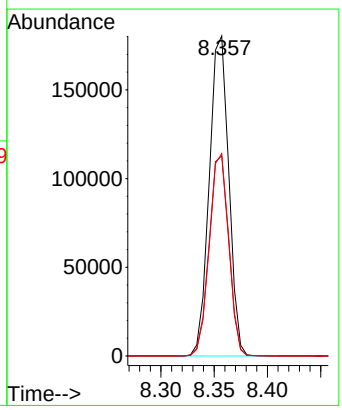


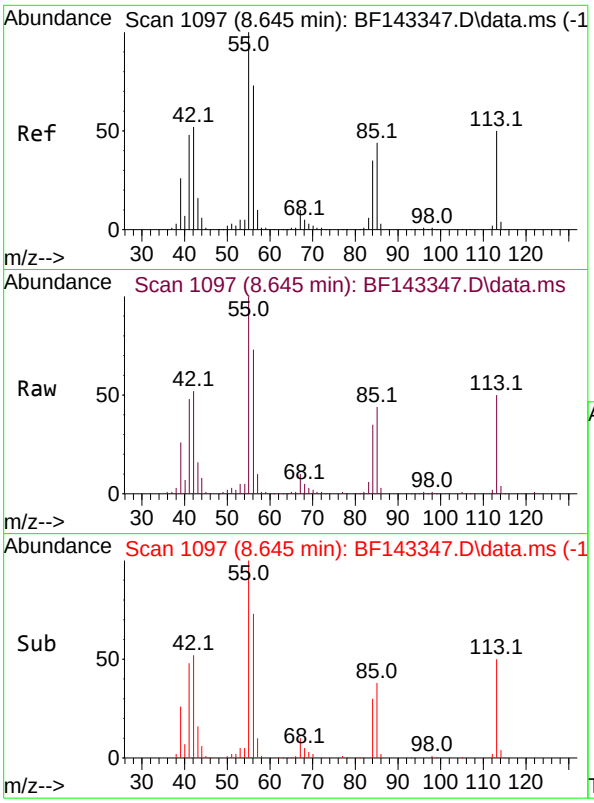


#34
Hexachlorobutadiene
Concen: 39.902 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:225 Resp: 229101

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.2	50.6	75.8



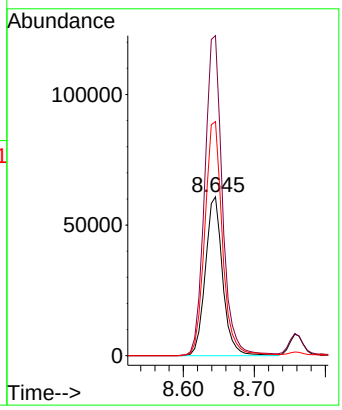


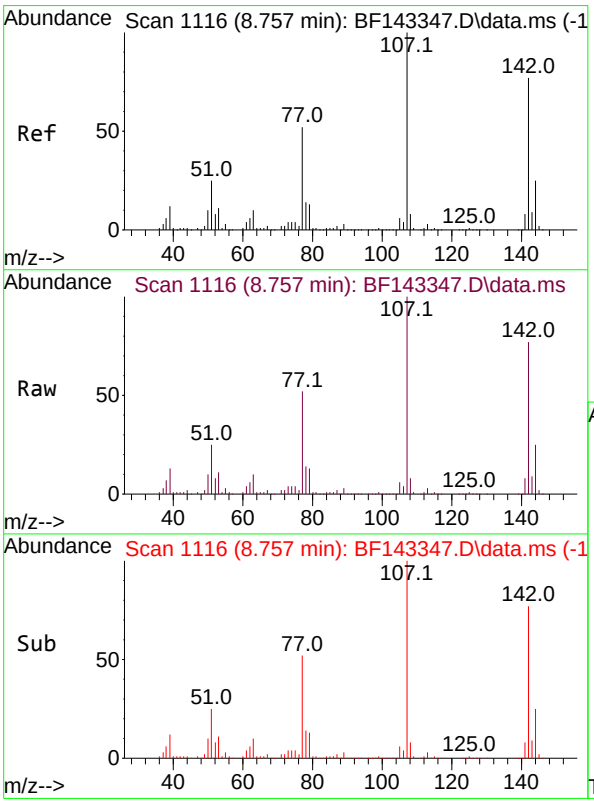
#35
Caprolactam
Concen: 41.884 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 103025

Ion	Ratio	Lower	Upper
113	100		
55	201.4	181.4	221.4
56	147.3	127.3	167.3

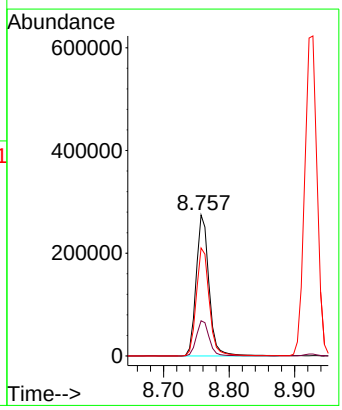


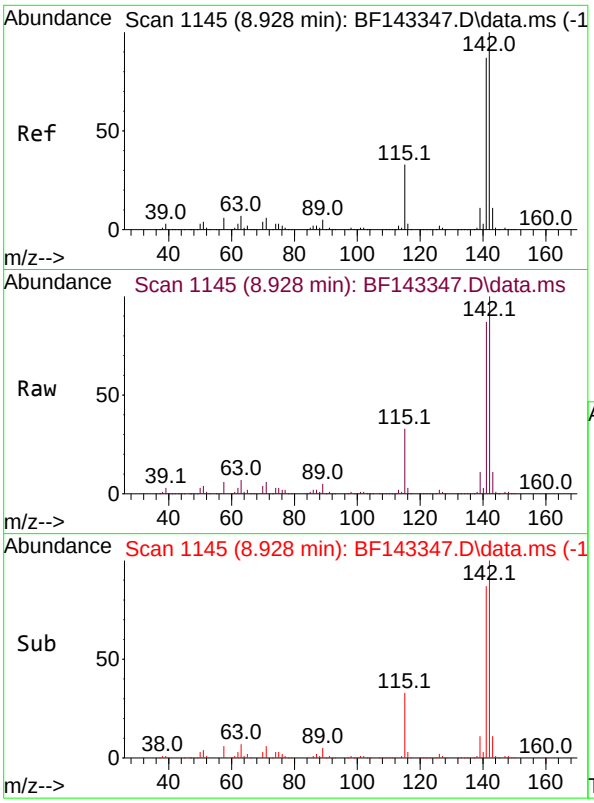


#36
4-Chloro-3-methylphenol
Concen: 40.883 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:107 Resp: 375017

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.0	30.0
142	76.6	61.3	91.9



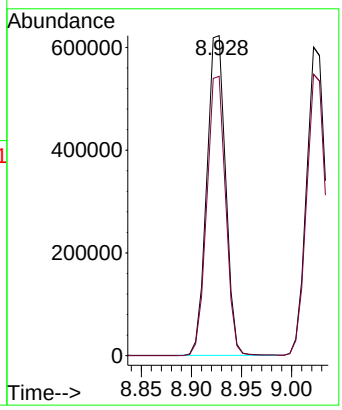


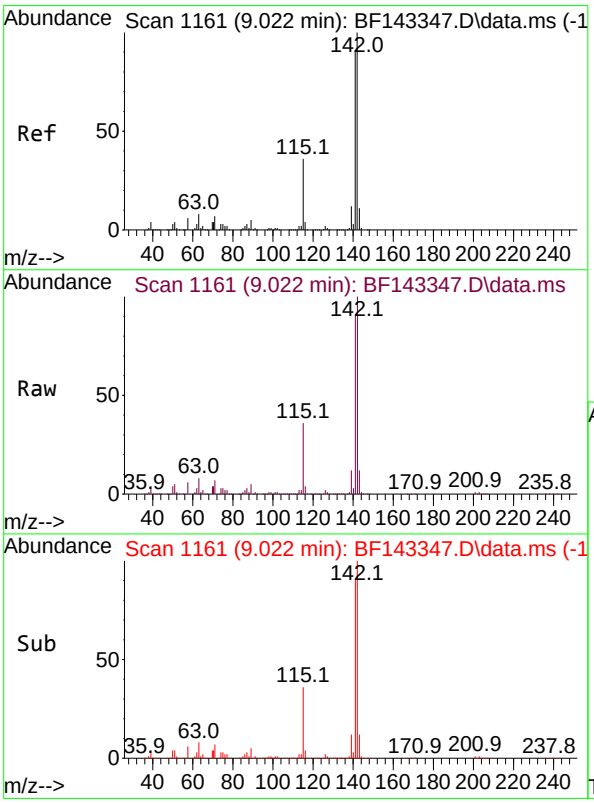
#37
2-Methylnaphthalene
Concen: 39.298 ng
RT: 8.928 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 814304

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.8

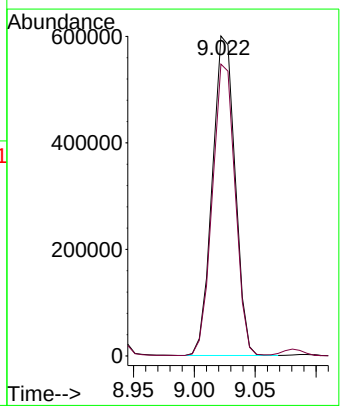


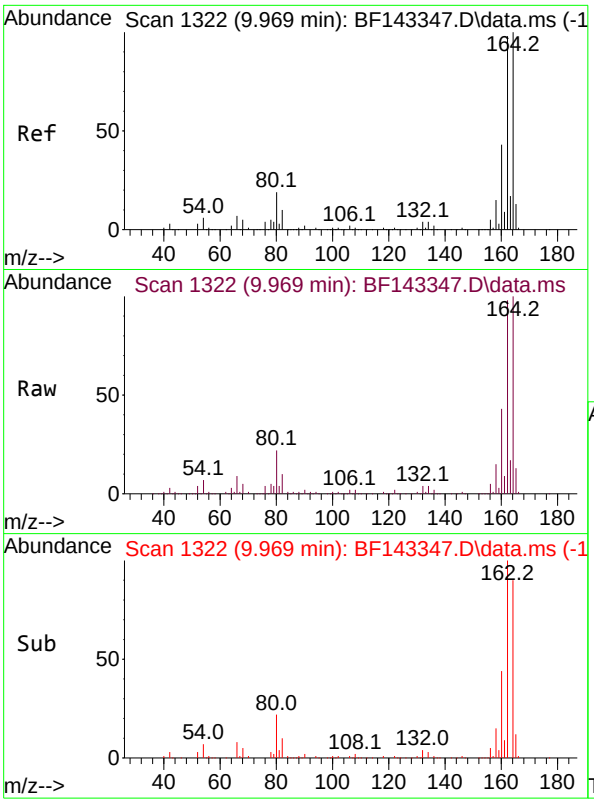


#38
1-Methylnaphthalene
Concen: 39.075 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:142 Resp: 779823

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4



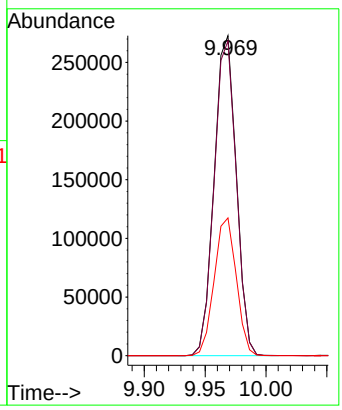


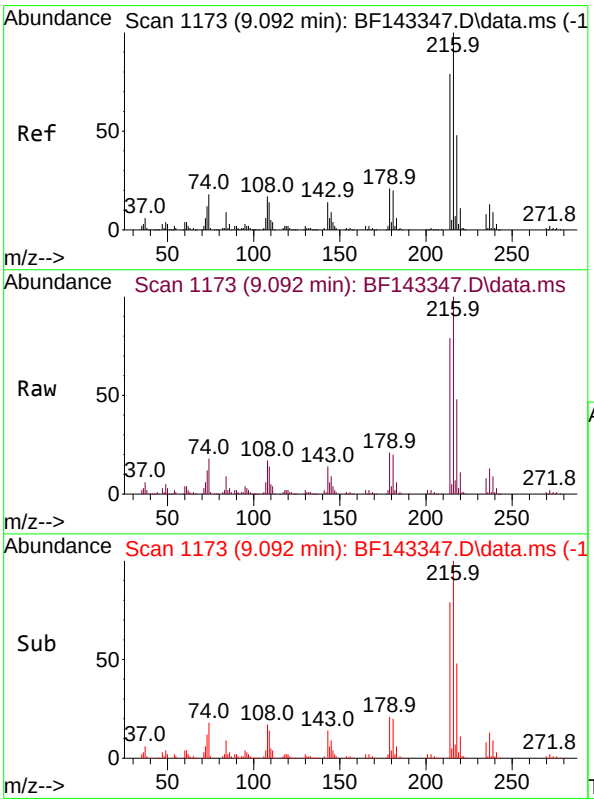
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 345532

Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.6	118.0
160	43.0	34.4	51.6

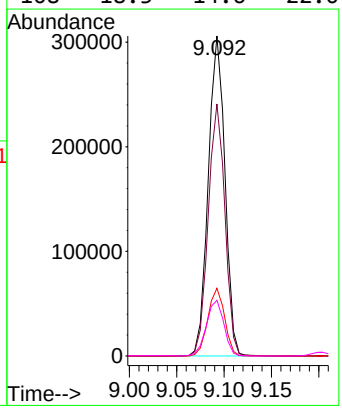


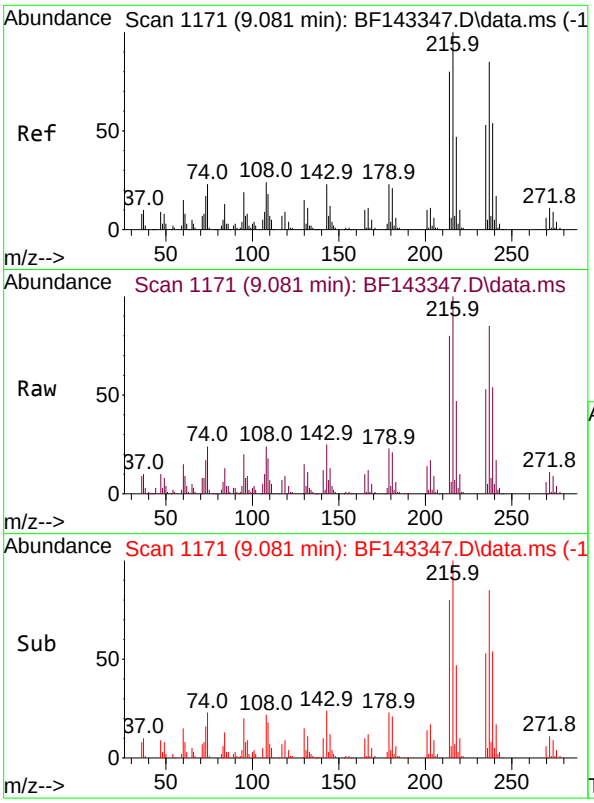


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.640 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:216 Resp: 374807

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	21.2	17.0	25.4
108	18.3	14.6	22.0



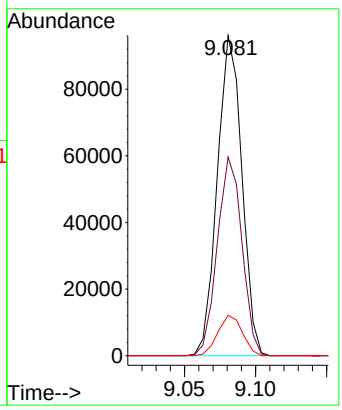


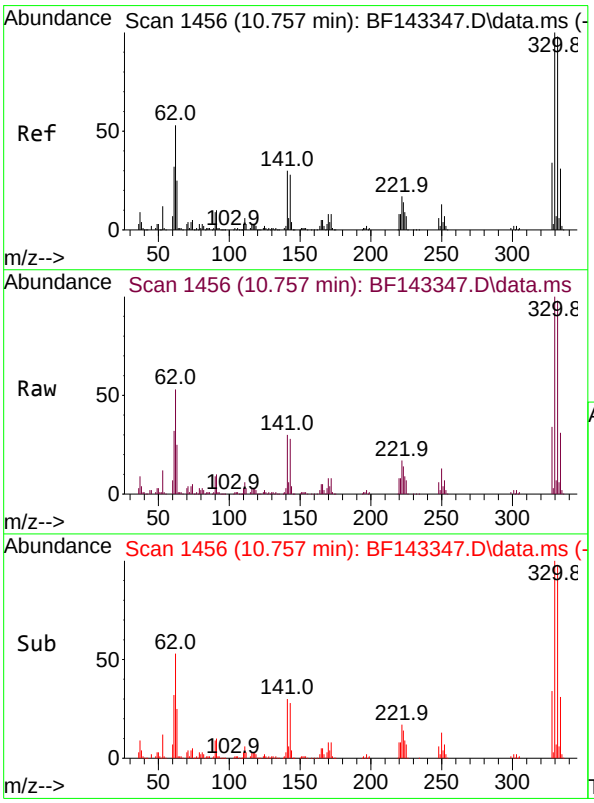
#41
Hexachlorocyclopentadiene
Concen: 38.401 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 115551

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.0	82.0
272	12.6	0.0	32.6

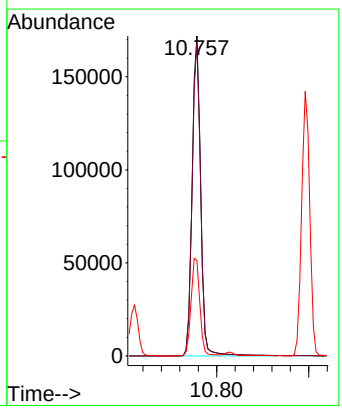


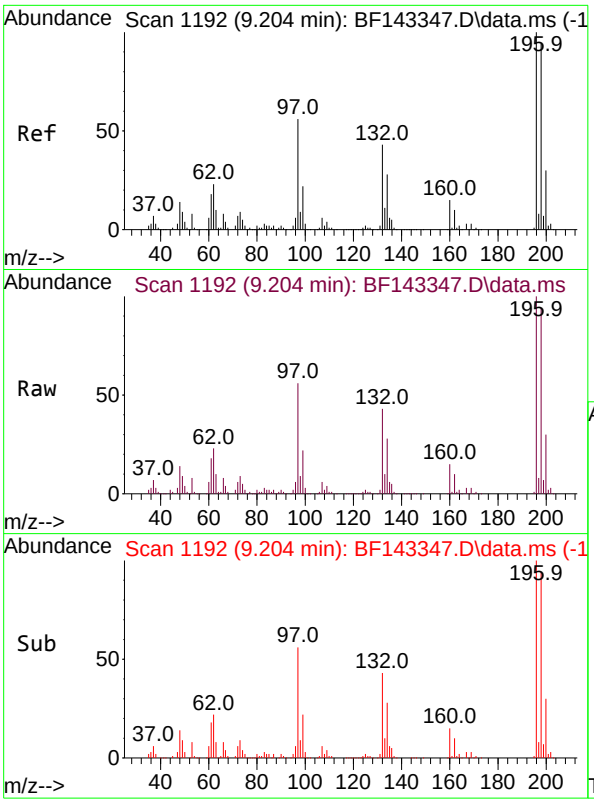


#42
2,4,6-Tribromophenol
Concen: 87.313 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:330 Resp: 220484

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	31.7	25.4	38.0



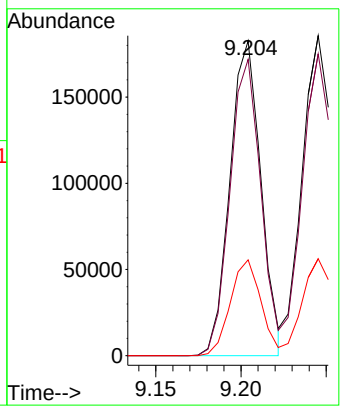


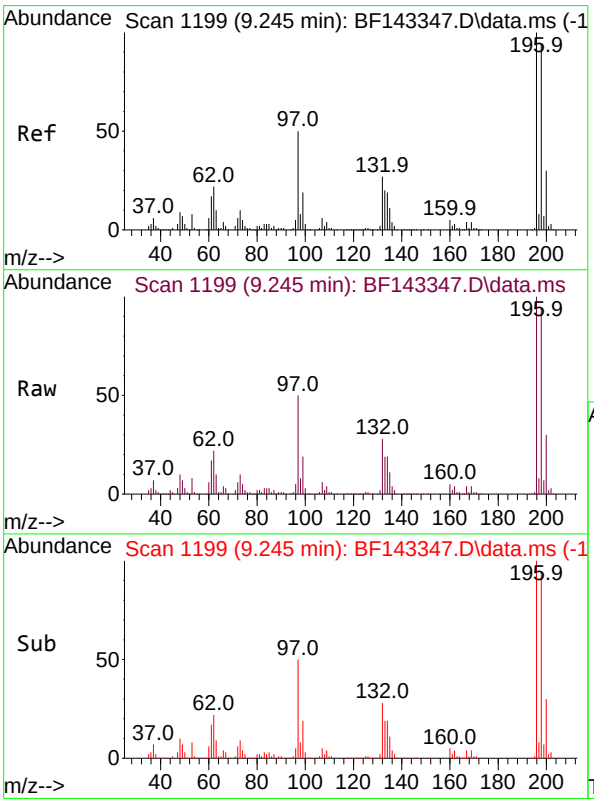
#43
2,4,6-Trichlorophenol
Concen: 43.008 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 230730

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
200	30.4	24.3	36.5

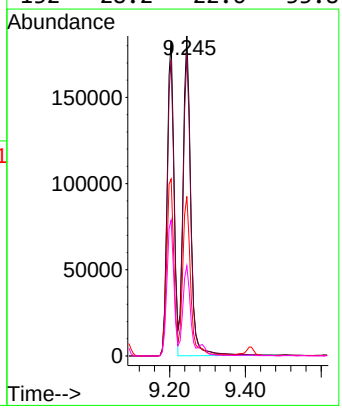


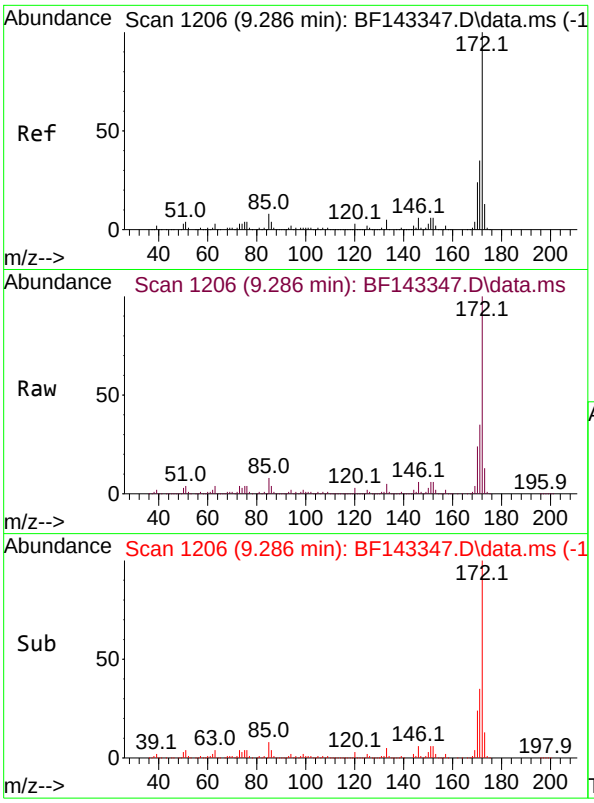


#44
2,4,5-Trichlorophenol
Concen: 43.029 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:196 Resp: 260681

Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.2
97	49.9	39.9	59.9
132	28.2	22.6	33.8



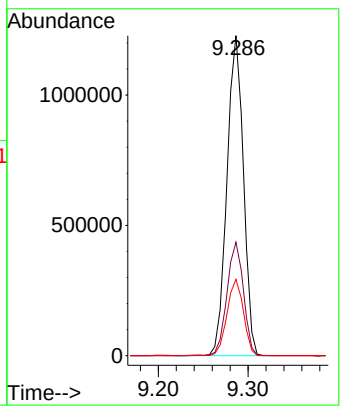


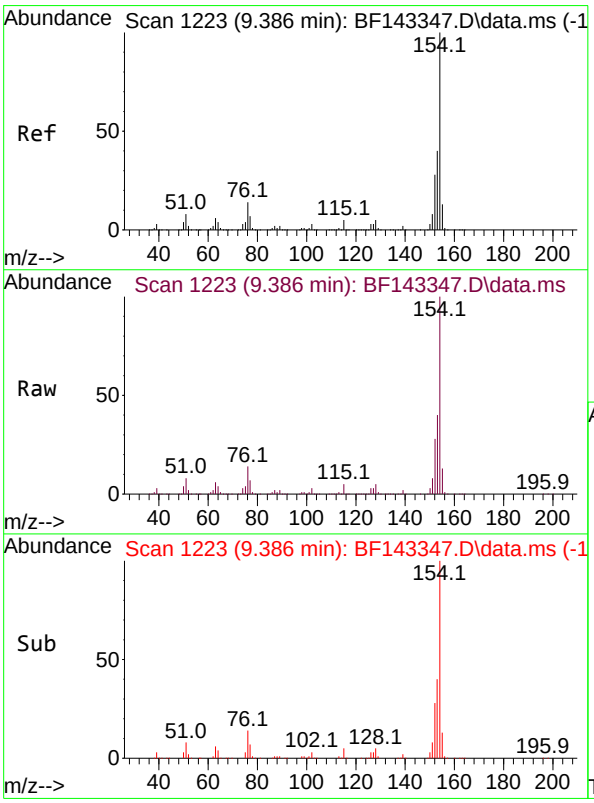
#45
2-Fluorobiphenyl
Concen: 76.811 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1565121

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.9	19.1	28.7

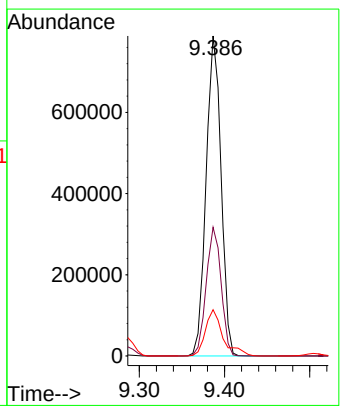


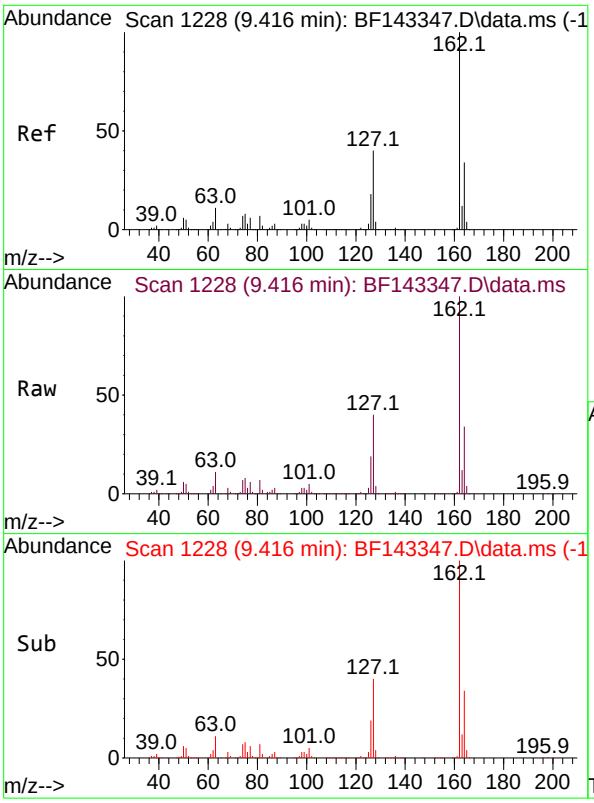


#46
1,1'-Biphenyl
Concen: 39.285 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 959774

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.2	60.2
76	14.4	0.0	34.4



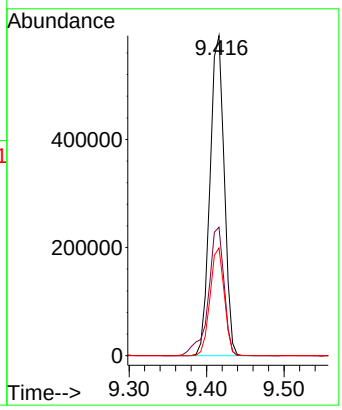


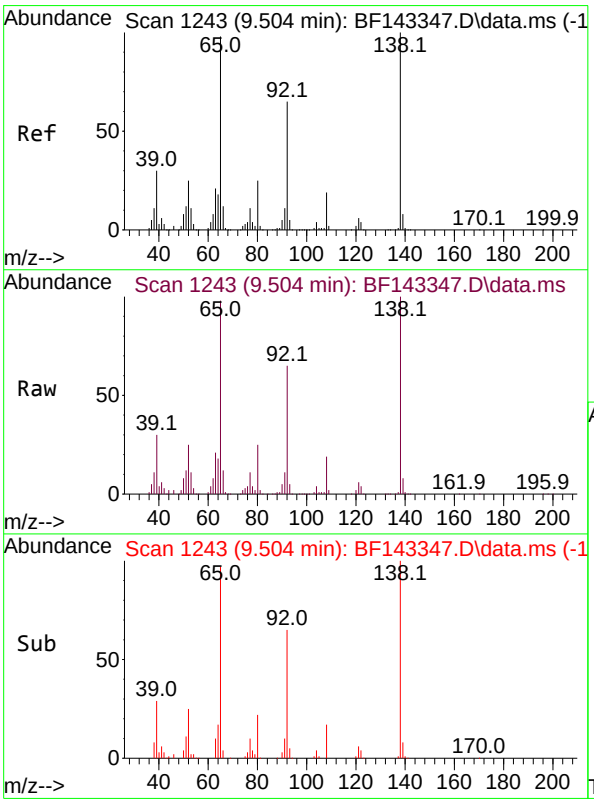
#47
2-Chloronaphthalene
Concen: 39.322 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 756597

Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.1	48.1
164	33.7	27.0	40.4

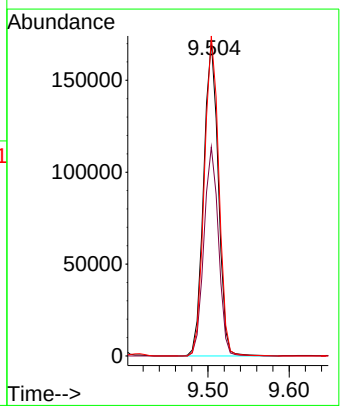


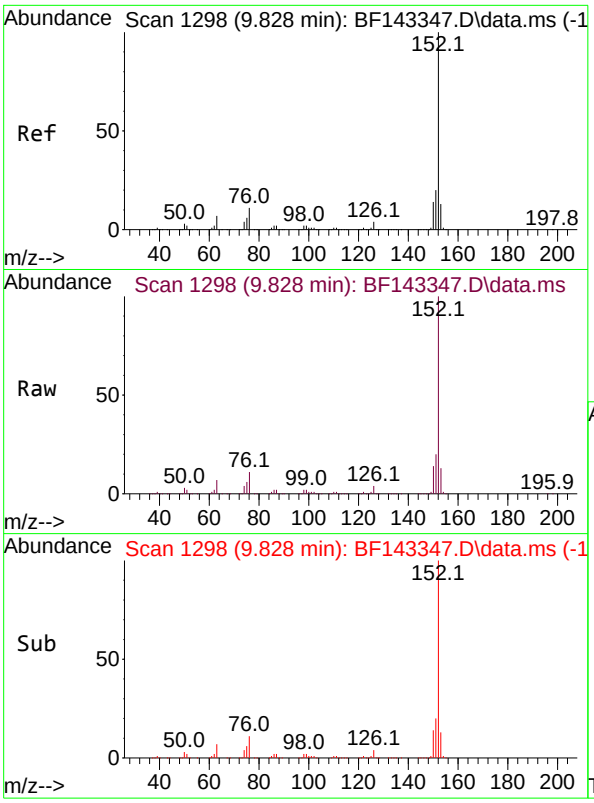


#48
2-Nitroaniline
Concen: 39.058 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion: 65 Resp: 213717

Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.1	79.7
138	101.7	81.4	122.0



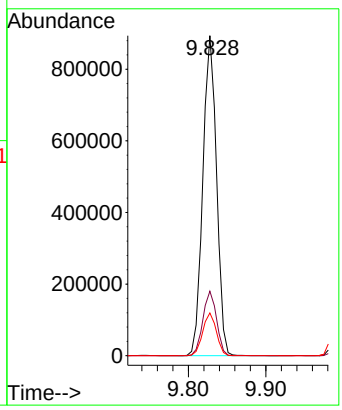


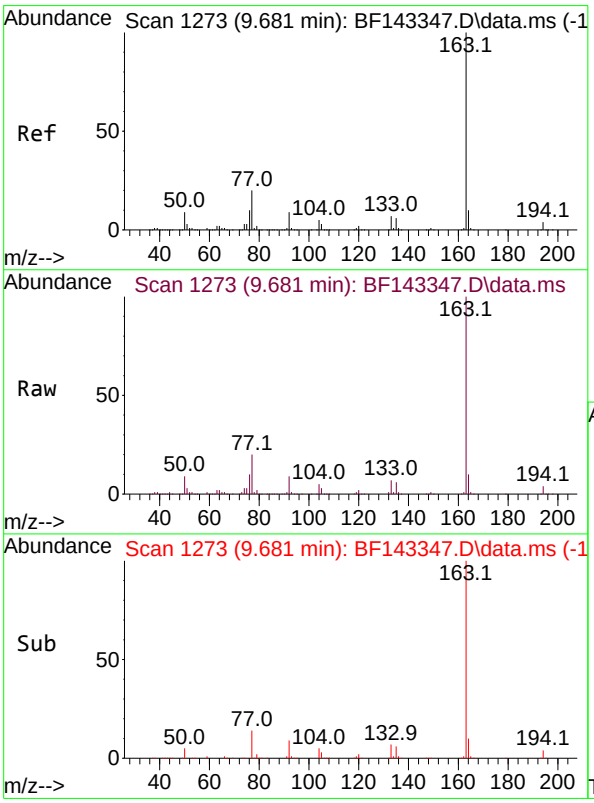
#49
Acenaphthylene
Concen: 39.490 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1097291

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

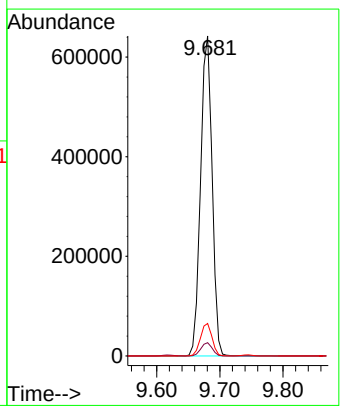


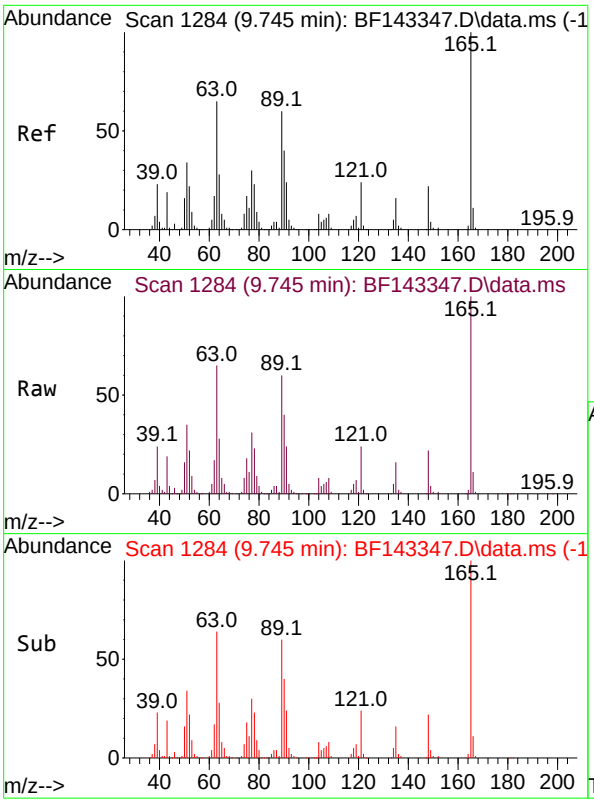


#50
Dimethylphthalate
Concen: 40.398 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:163 Resp: 815627

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.2	12.2



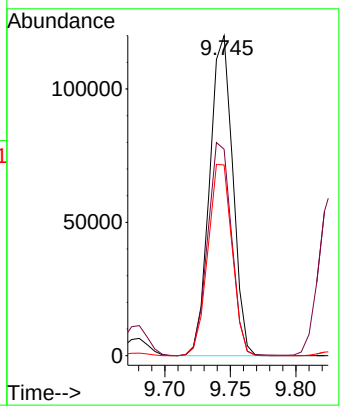


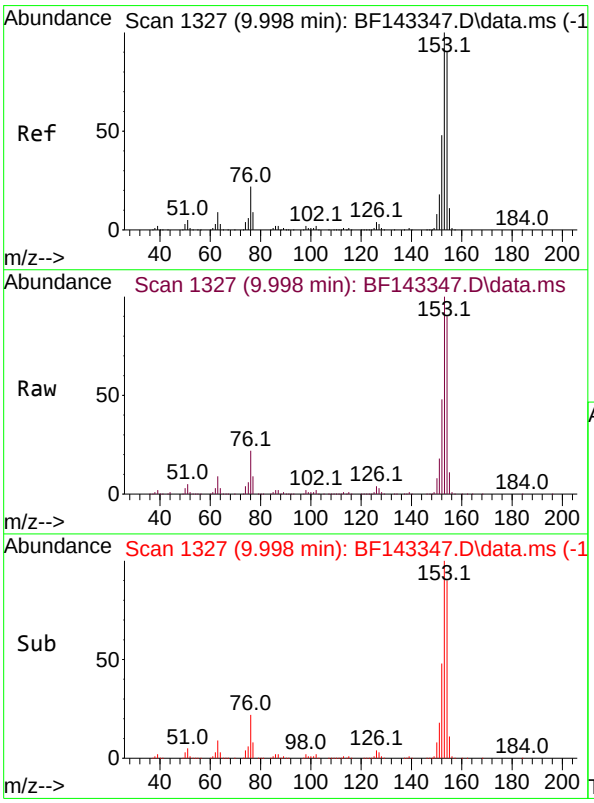
#51
2,6-Dinitrotoluene
Concen: 39.128 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 147260

Ion	Ratio	Lower	Upper
165	100		
63	64.5	51.6	77.4
89	59.6	47.7	71.5

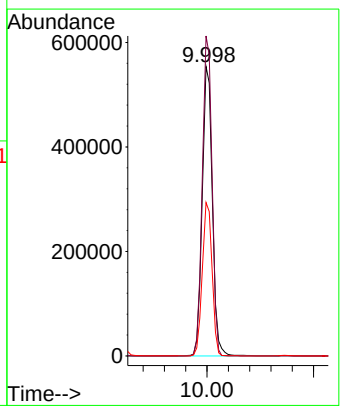


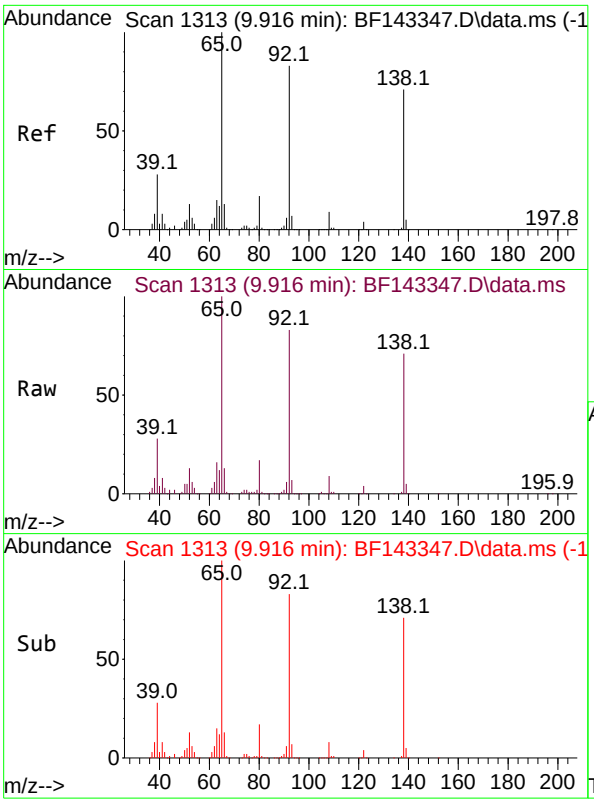


#52
Acenaphthene
Concen: 39.446 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:154 Resp: 728691

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.5	132.7
152	53.0	42.4	63.6



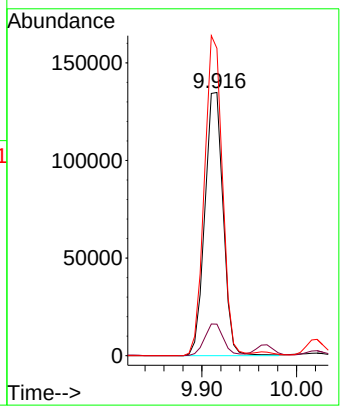


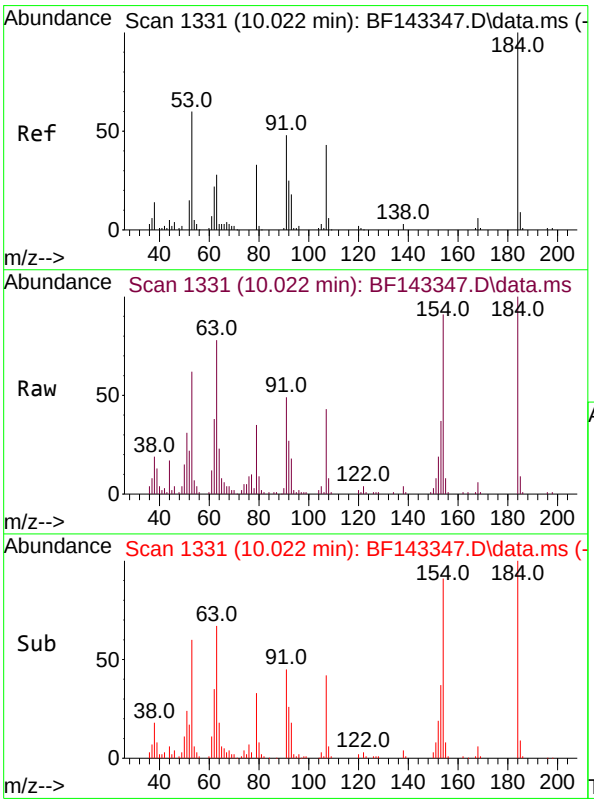
#53
3-Nitroaniline
Concen: 43.642 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 180447

Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.6	14.4
92	116.8	93.4	140.2

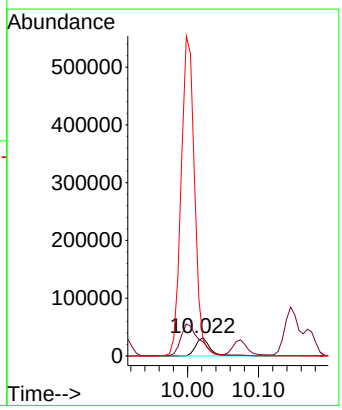


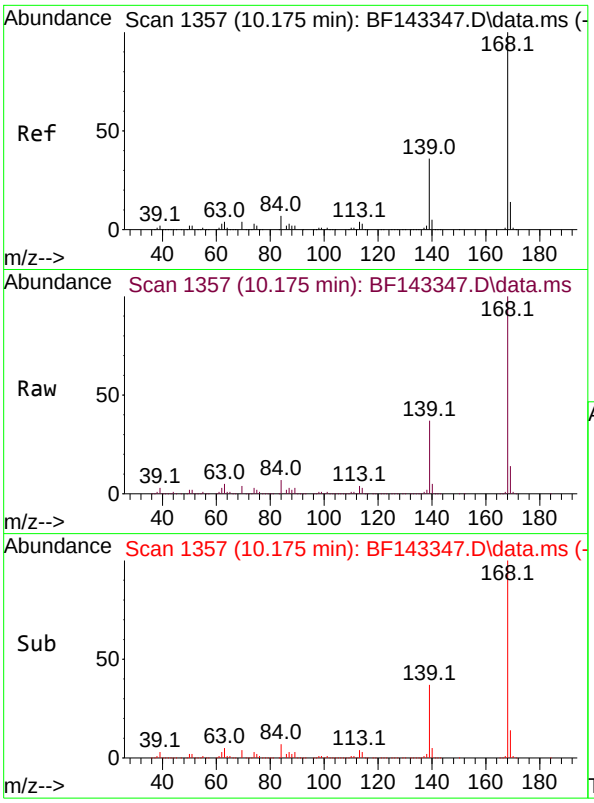


#54
2,4-Dinitrophenol
Concen: 39.434 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:184 Resp: 45578

Ion	Ratio	Lower	Upper
184	100		
63	78.1	62.5	93.7
154	91.2	73.0	109.4



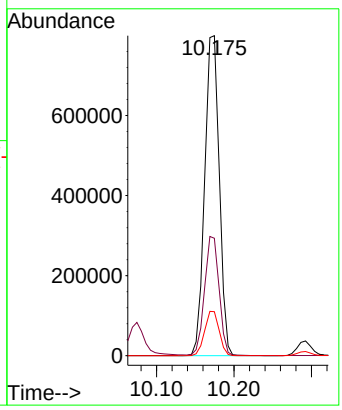


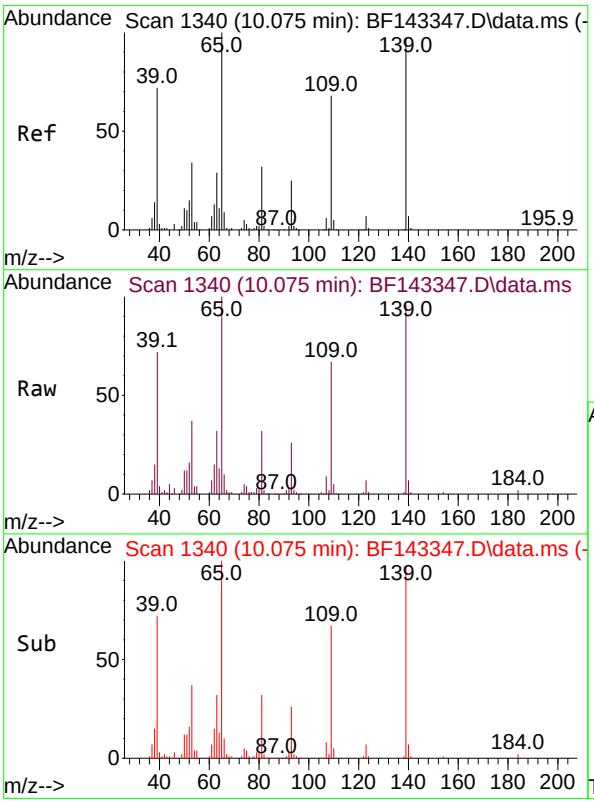
#55
Dibenzofuran
Concen: 39.267 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1043986

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.8	11.0	16.6

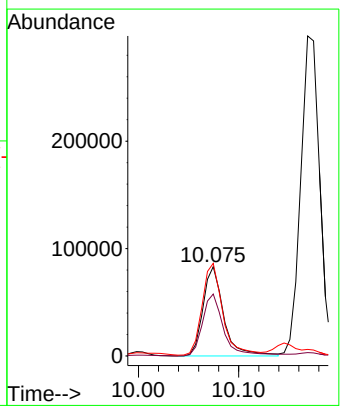


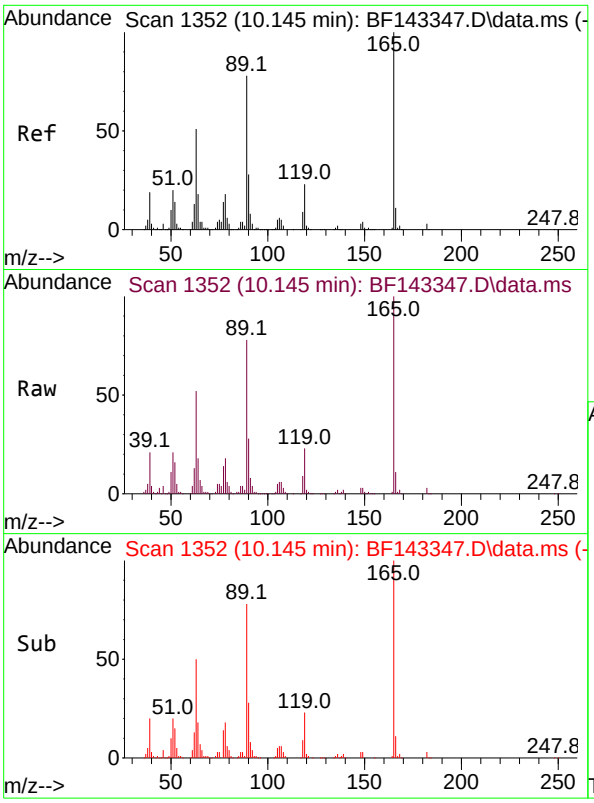


#56
4-Nitrophenol
Concen: 39.132 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:139 Resp: 119387

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	103.7	83.7	123.7



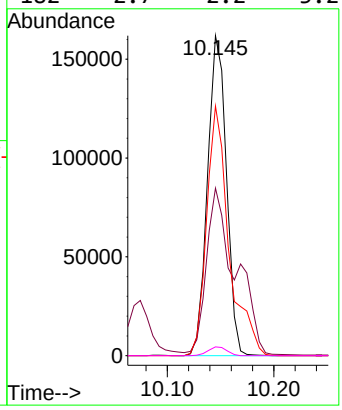


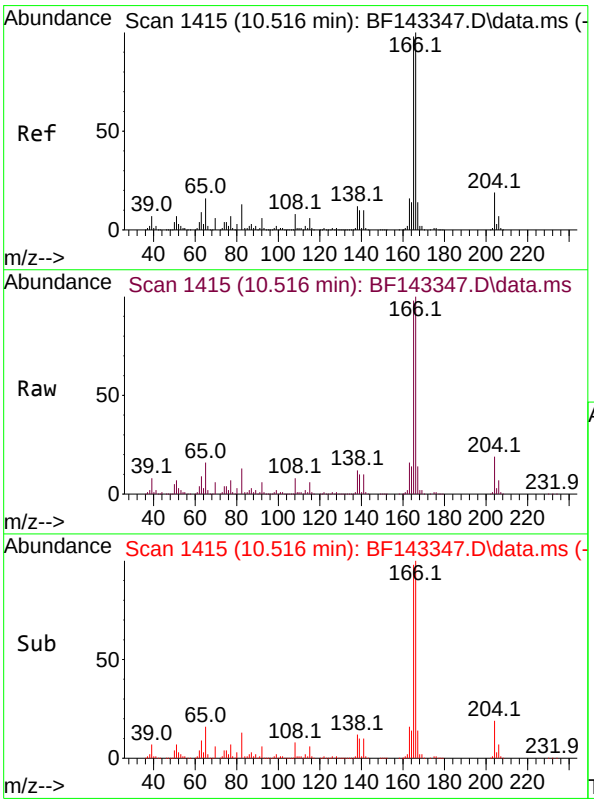
#57
2,4-Dinitrotoluene
Concen: 39.946 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 199781

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	78.0	62.4	93.6
182	2.7	2.2	3.2

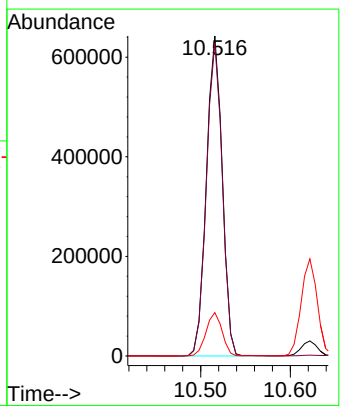


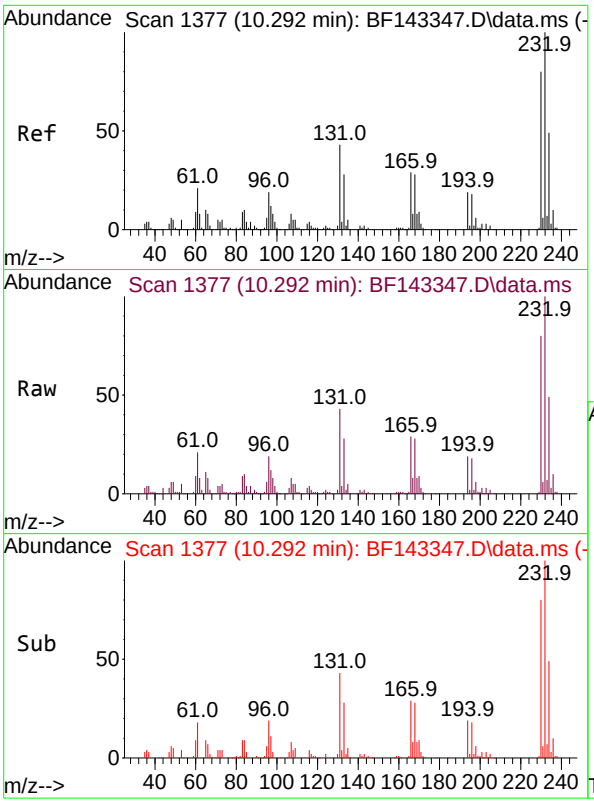


#58
Fluorene
Concen: 38.860 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:166 Resp: 789149

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.6	10.9	16.3



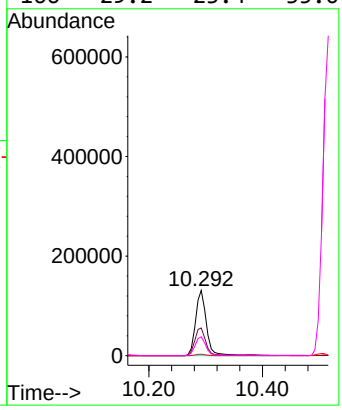


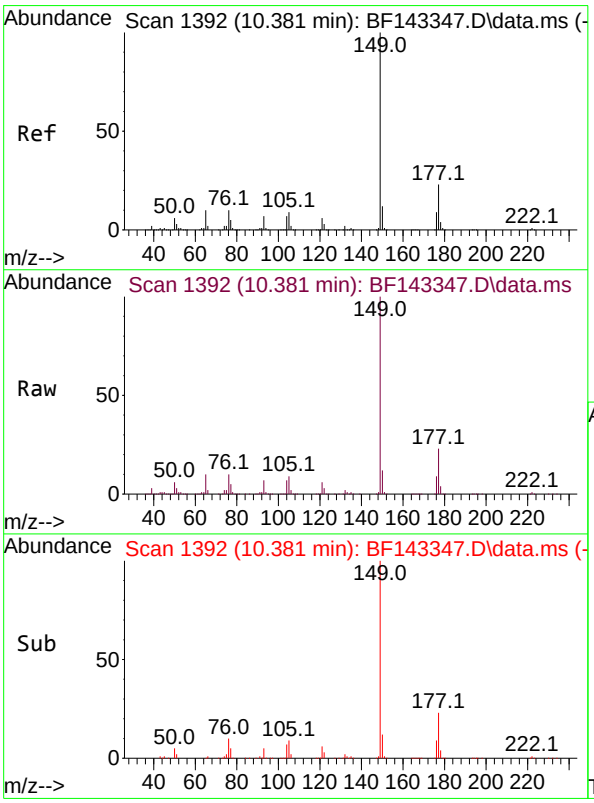
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.137 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 176166

Ion	Ratio	Lower	Upper
232	100		
131	43.2	34.6	51.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

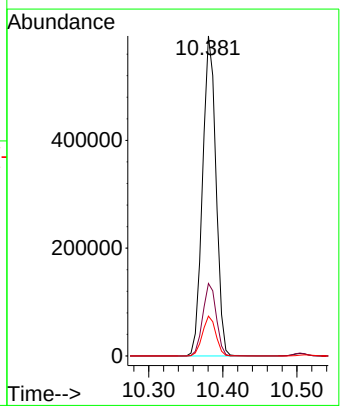


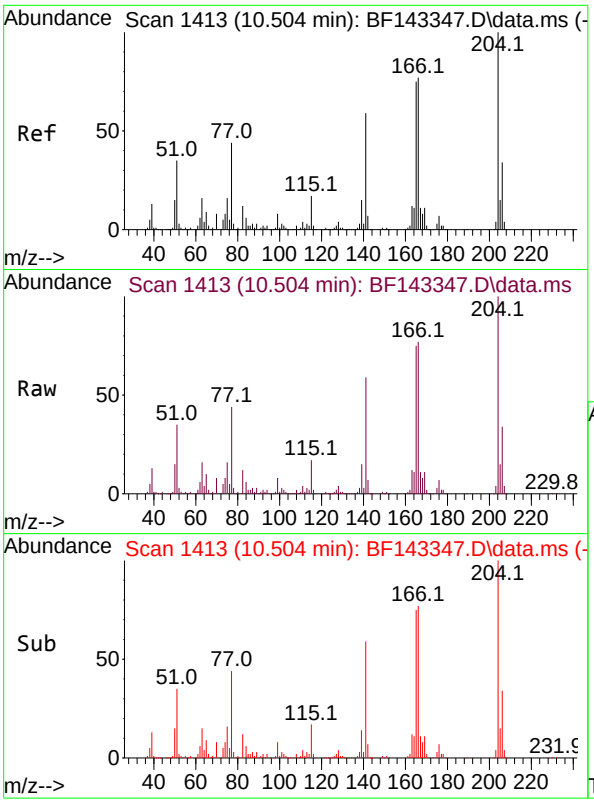


#60
Diethylphthalate
Concen: 41.295 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 746813

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.4	9.9	14.9



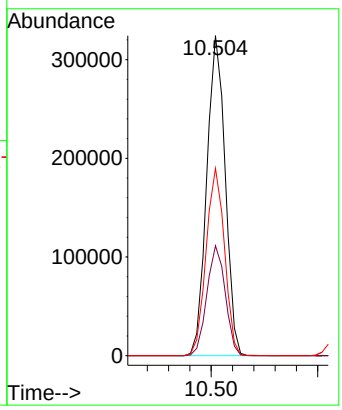


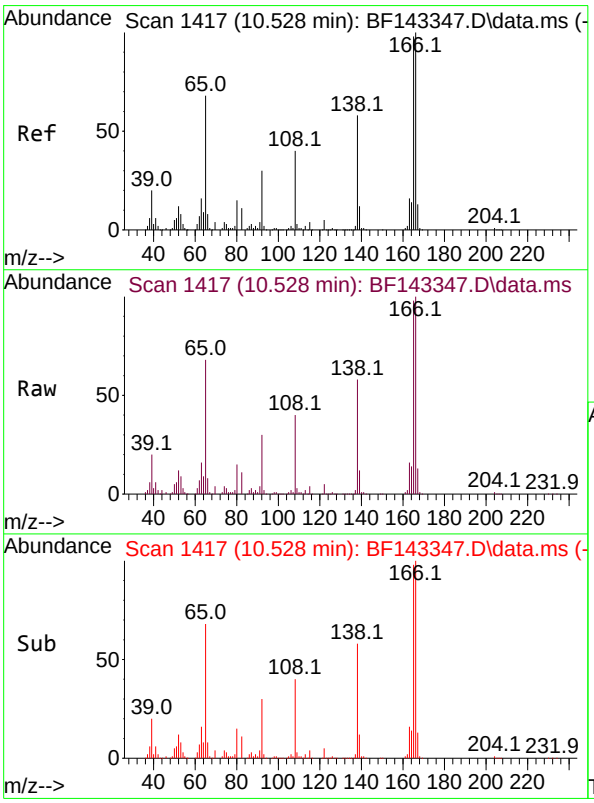
#61
4-Chlorophenyl-phenylether
Concen: 39.656 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 389122

Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.4	41.2
141	58.6	46.9	70.3

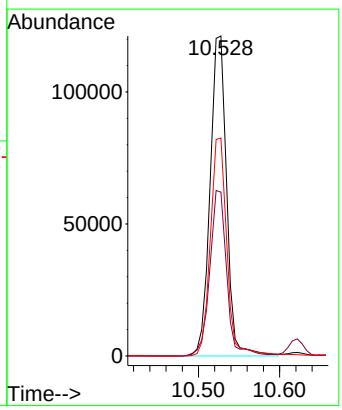


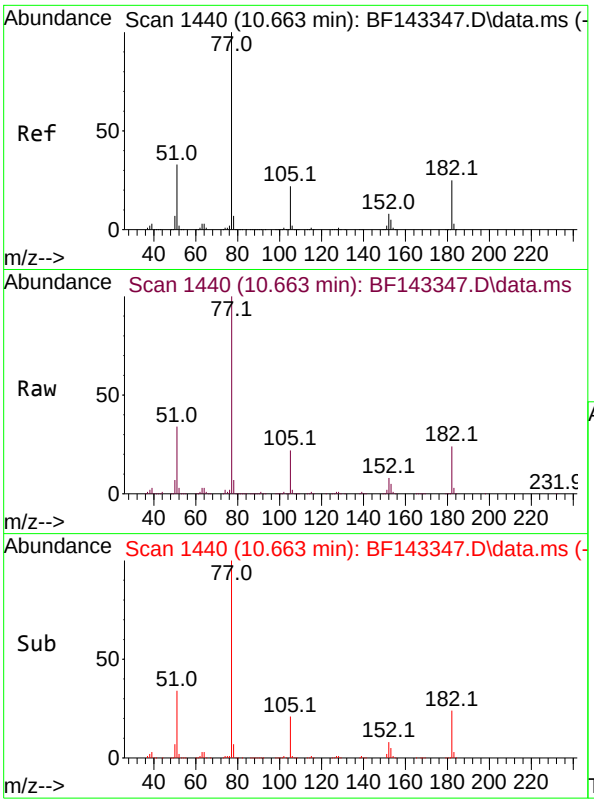


#62
4-Nitroaniline
Concen: 42.946 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:138 Resp: 171799

Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.2	71.2
108	68.1	48.1	88.1



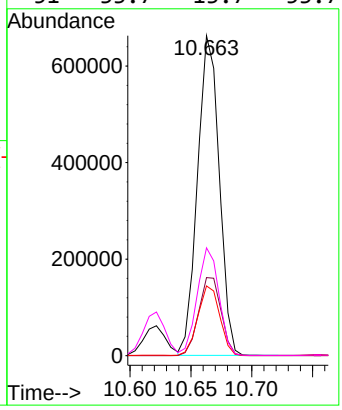


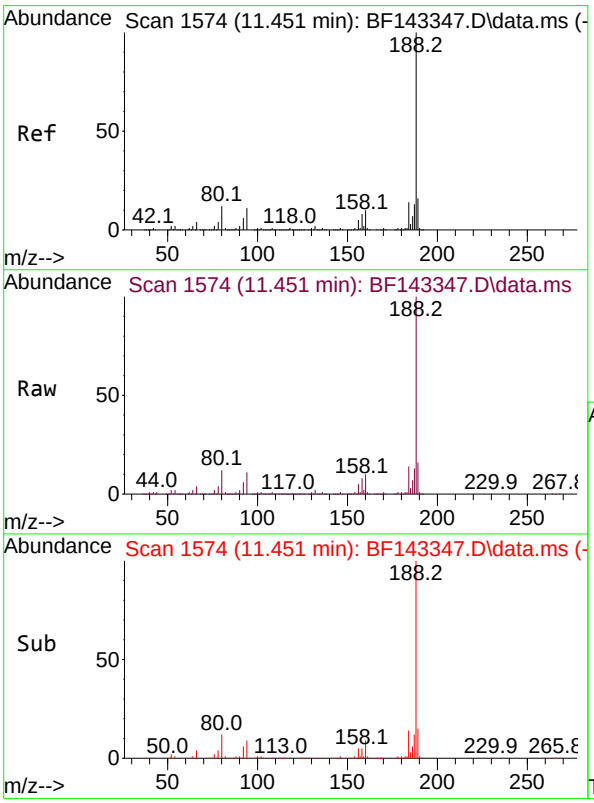
#63
Azobenzene
Concen: 39.906 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 824319

Ion	Ratio	Lower	Upper
77	100		
182	24.4	4.4	44.4
105	21.8	1.8	41.8
51	33.7	13.7	53.7

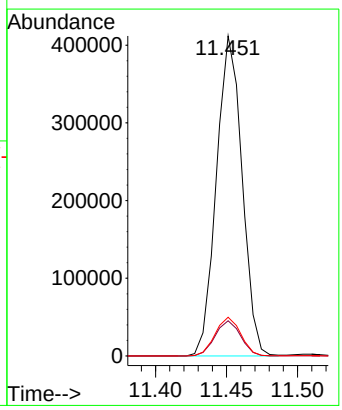


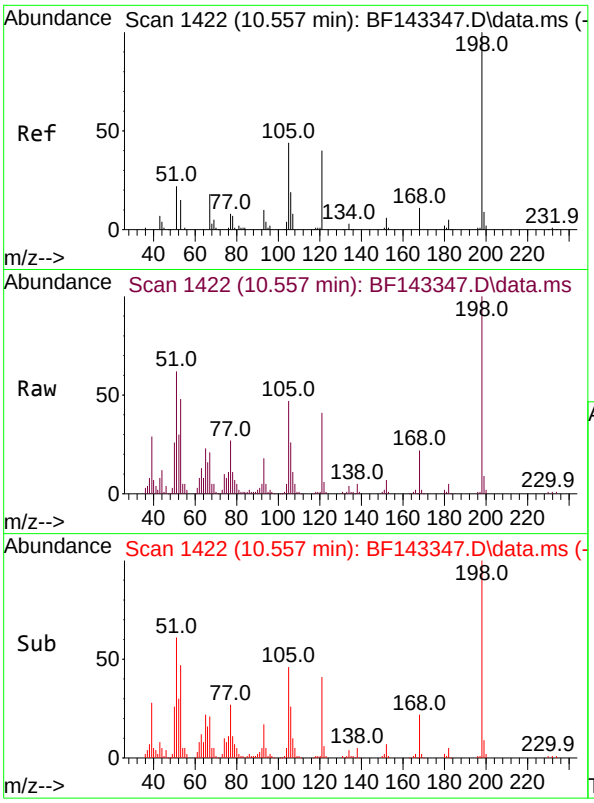


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:188 Resp: 517467

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	12.1	9.7	14.5



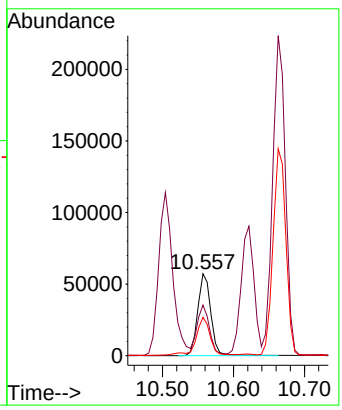


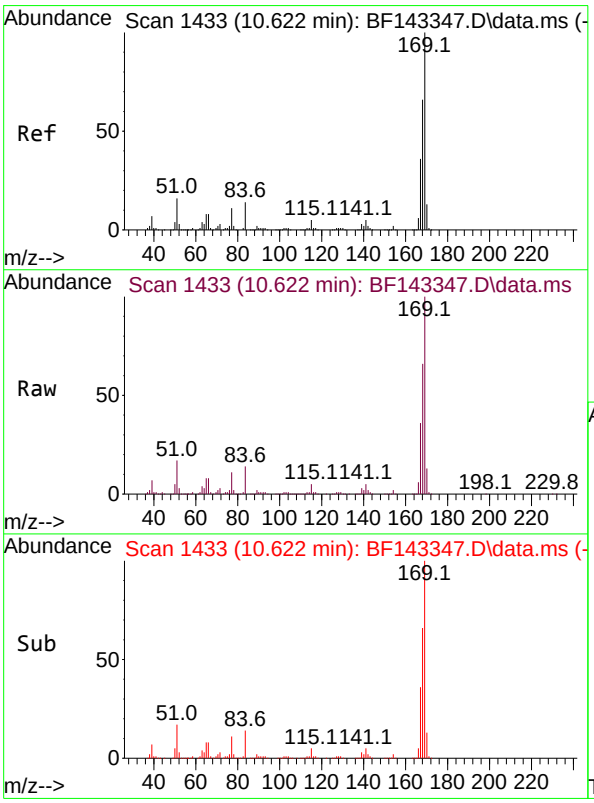
#65
4,6-Dinitro-2-methylphenol
Concen: 37.049 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 73478

Ion	Ratio	Lower	Upper
198	100		
51	61.7	41.7	81.7
105	46.8	26.8	66.8

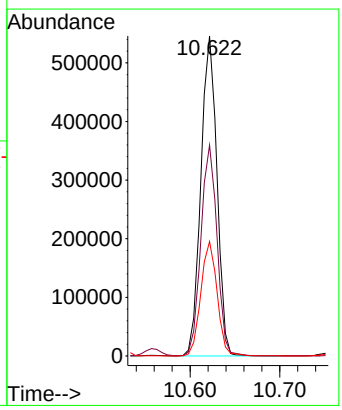


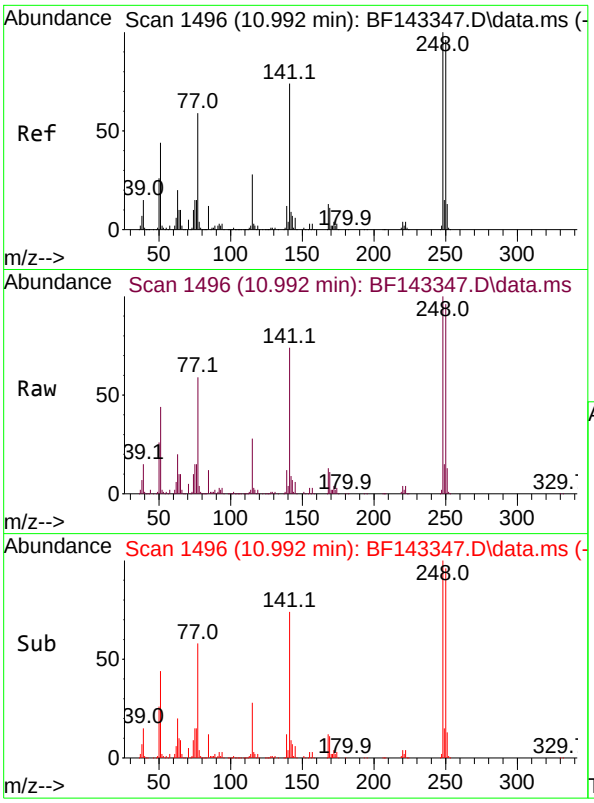


#66
n-Nitrosodiphenylamine
Concen: 39.800 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:169 Resp: 678152

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.7	79.1
167	35.7	28.6	42.8



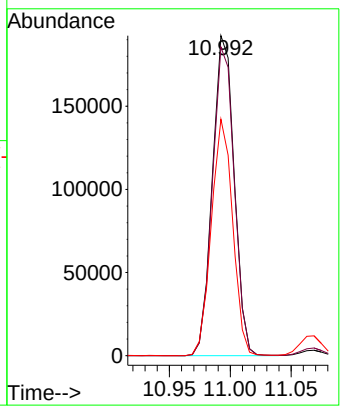


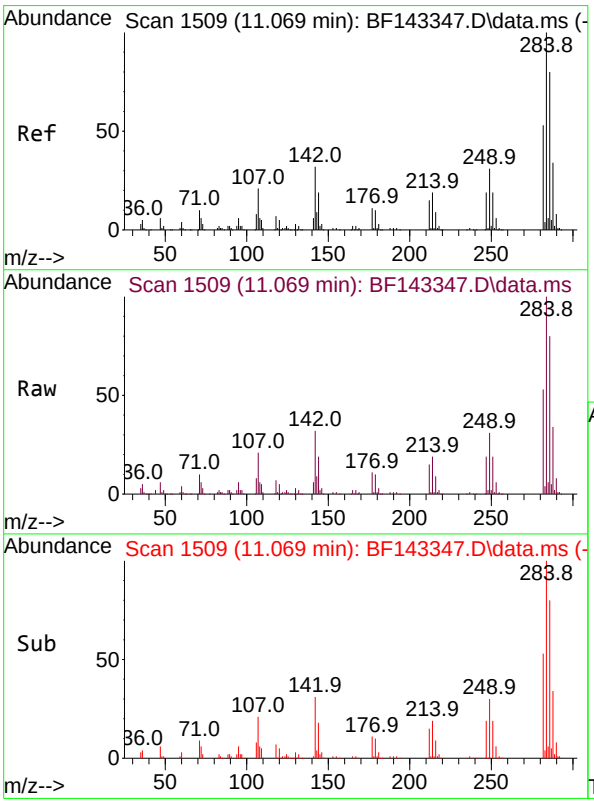
#67
4-Bromophenyl-phenylether
Concen: 40.461 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 239456

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.1	115.7
141	73.9	59.1	88.7

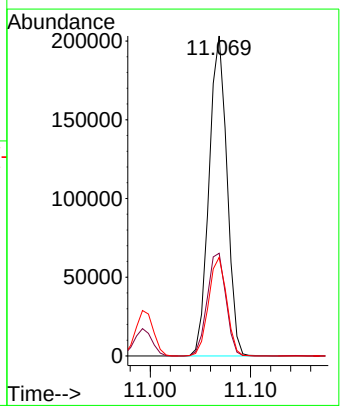


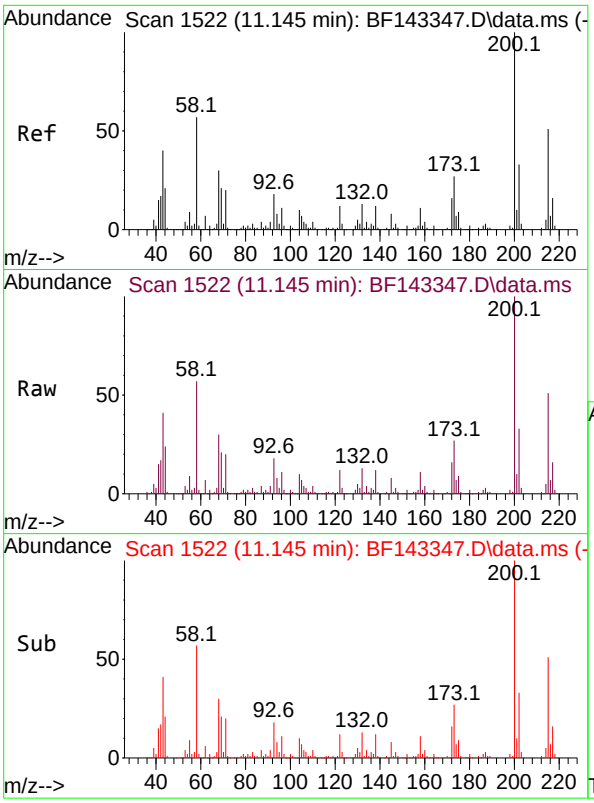


#68
Hexachlorobenzene
Concen: 39.589 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:284 Resp: 252547

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.7	38.5
249	30.8	24.6	37.0



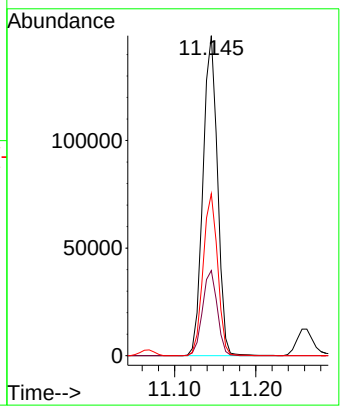


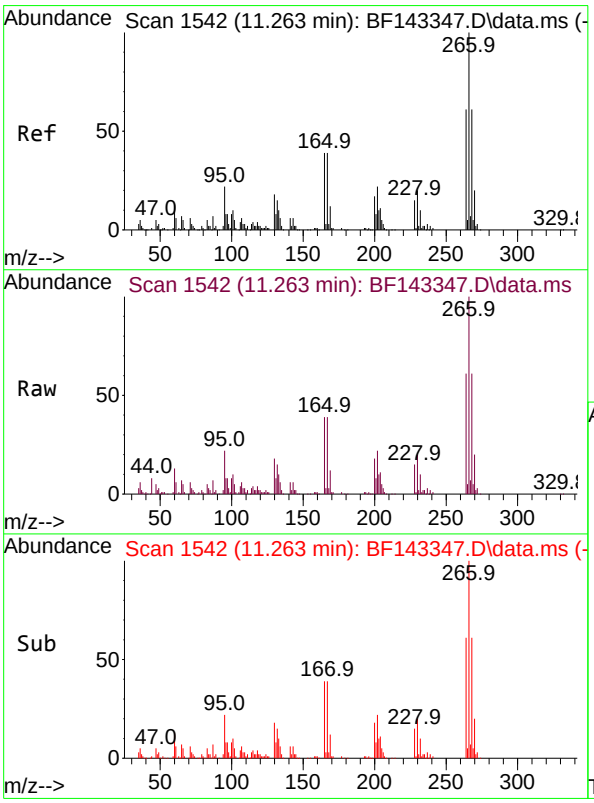
#69
Atrazine
Concen: 41.534 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 184584

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	50.6	30.6	70.6

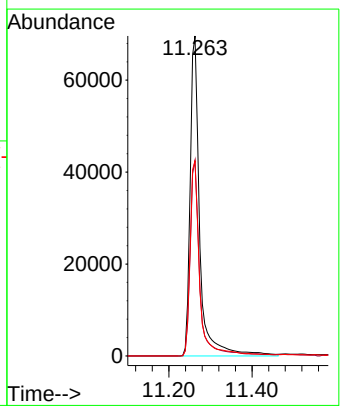


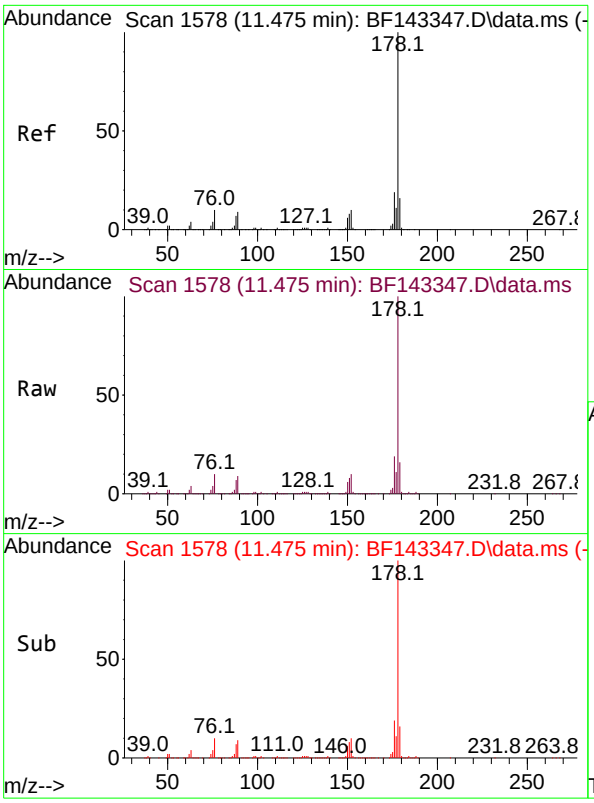


#70
Pentachlorophenol
Concen: 39.119 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:266 Resp: 111946

Ion	Ratio	Lower	Upper
266	100		
268	61.0	48.8	73.2
264	61.0	48.8	73.2



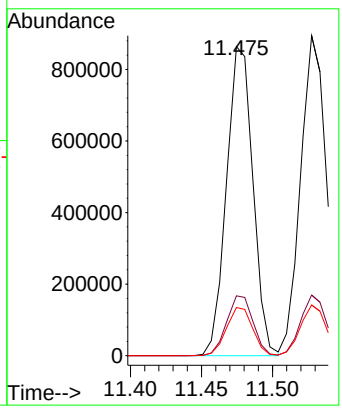


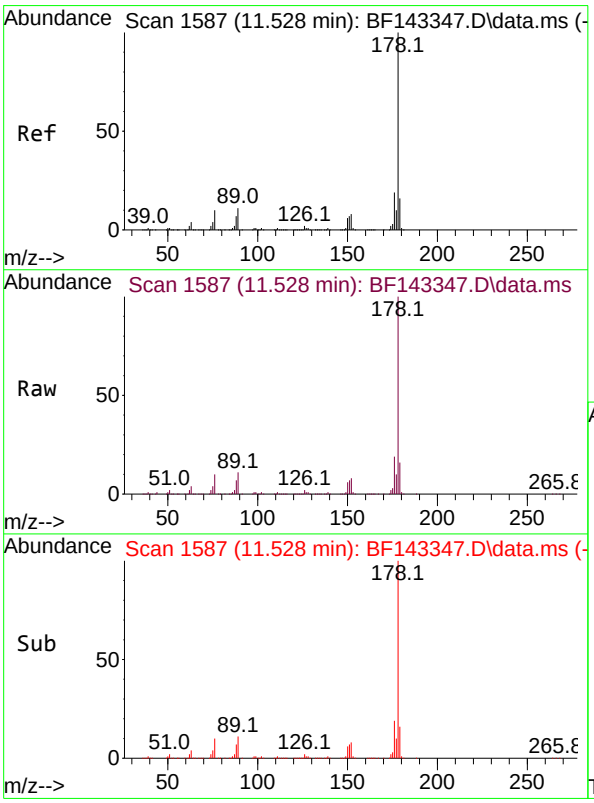
#71
Phenanthrene
Concen: 39.627 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1118795

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

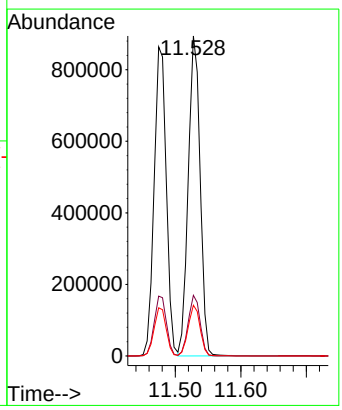


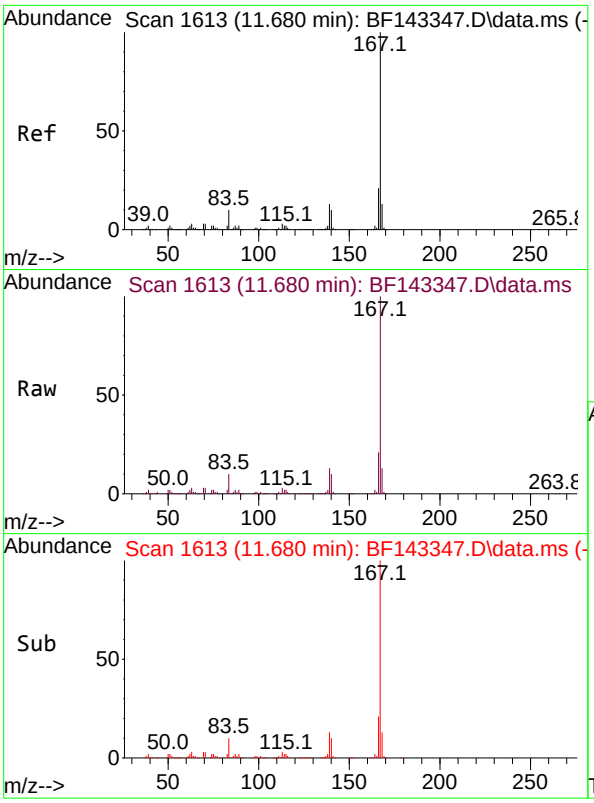


#72
Anthracene
Concen: 39.327 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:178 Resp: 1126030

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.9	12.7	19.1



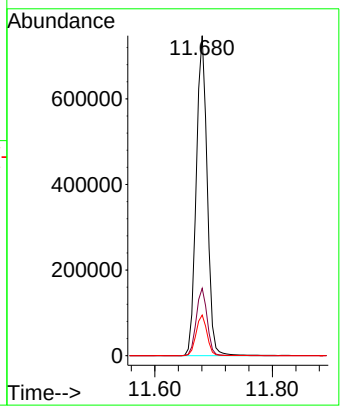


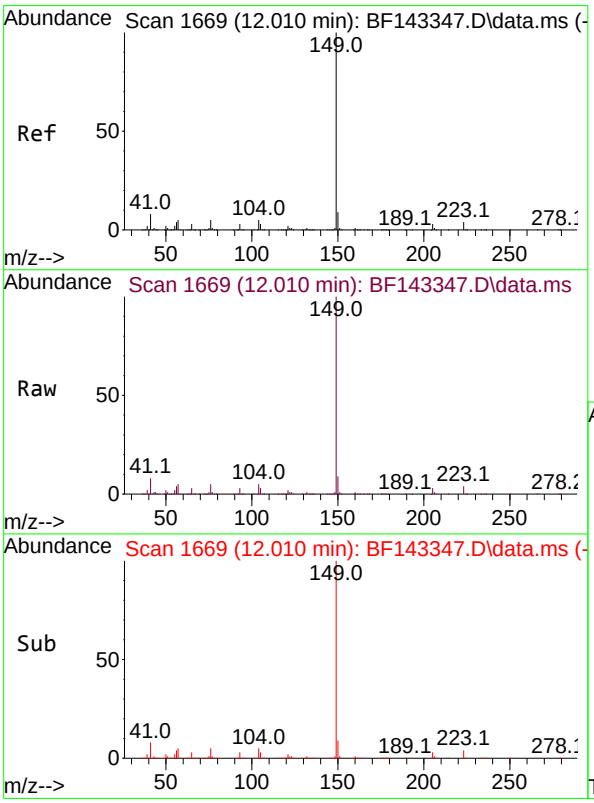
#73
Carbazole
Concen: 39.637 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 966534

Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.8	25.2
139	12.7	10.2	15.2

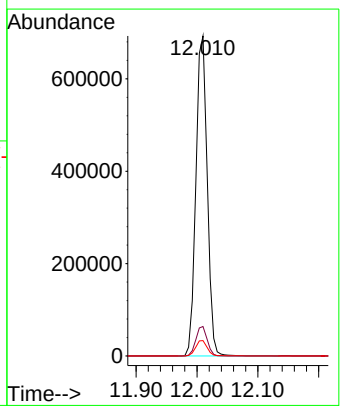


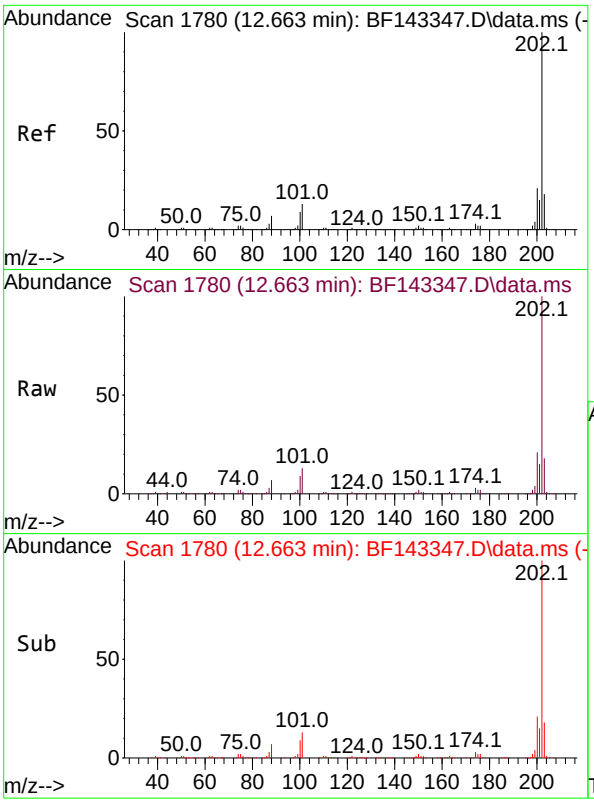


#74
Di-n-butylphthalate
Concen: 43.346 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 894432

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.8	5.8



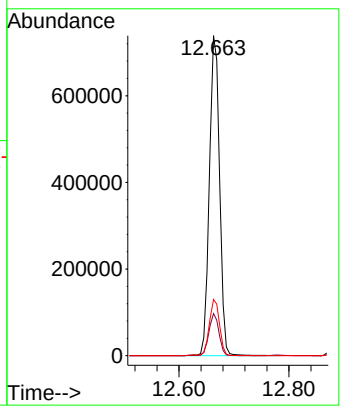


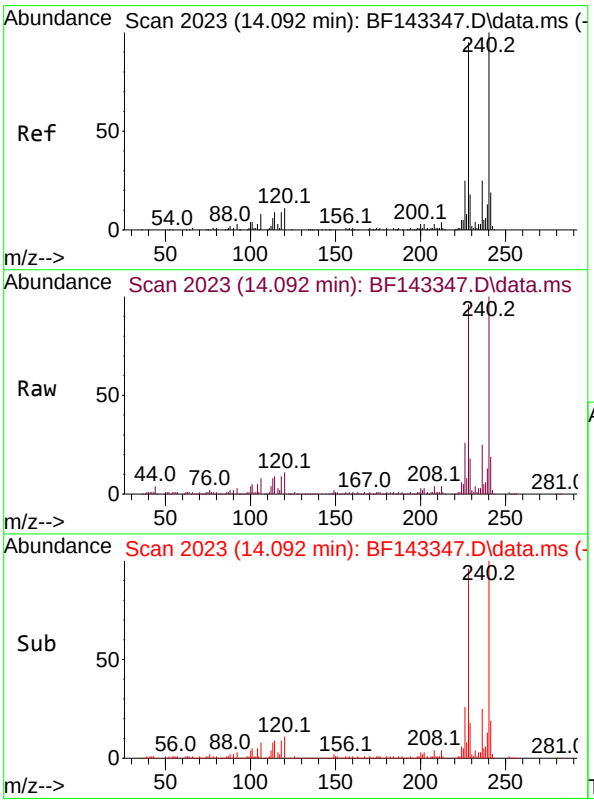
#75
Fluoranthene
Concen: 38.386 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 949305

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.6	0.0	37.6

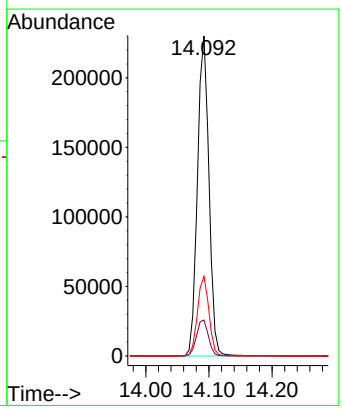


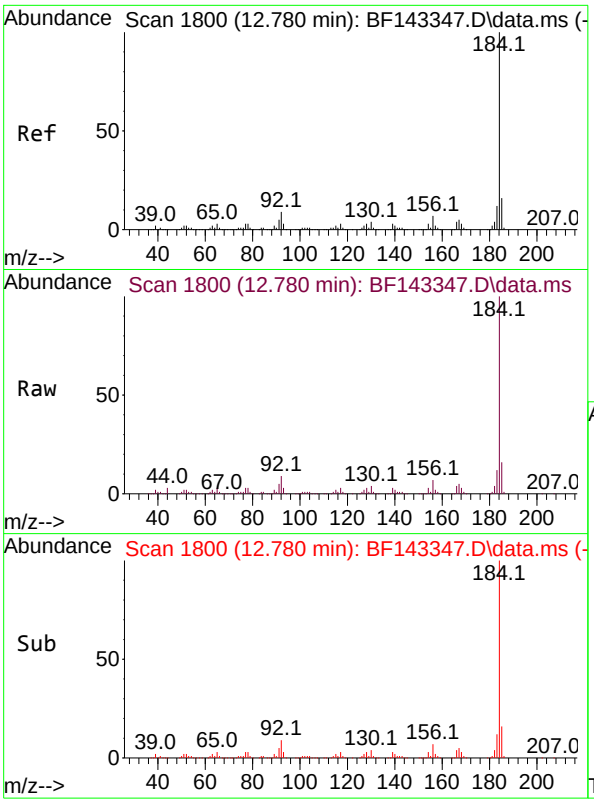


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:240 Resp: 290137

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	24.9	19.9	29.9



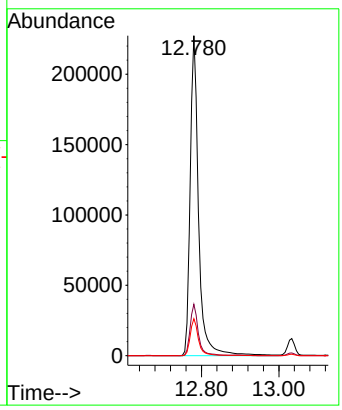


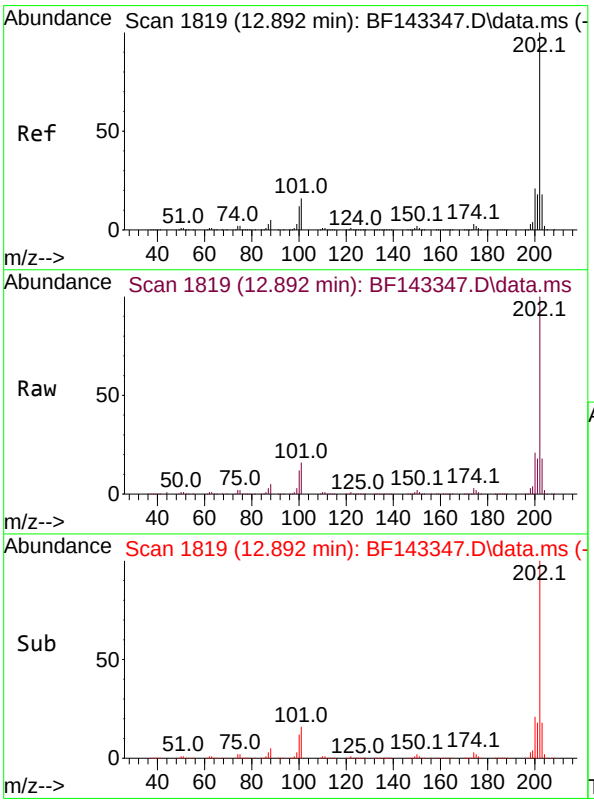
#77
Benzidine
Concen: 43.261 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 343155

Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.8	19.2
183	11.6	9.3	13.9

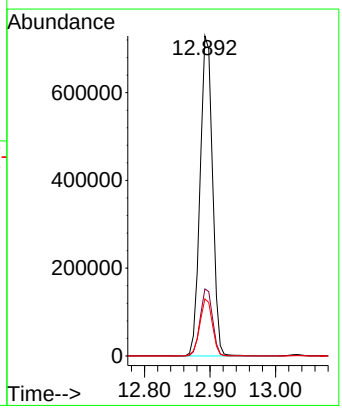


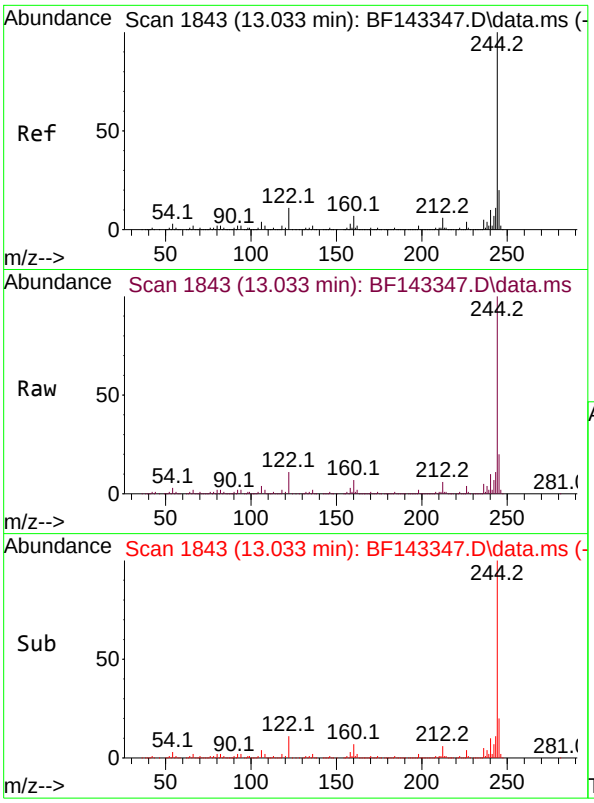


#78
Pyrene
Concen: 39.593 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:202 Resp: 963681

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.8	14.2	21.4



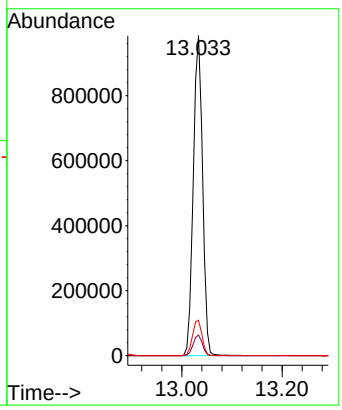


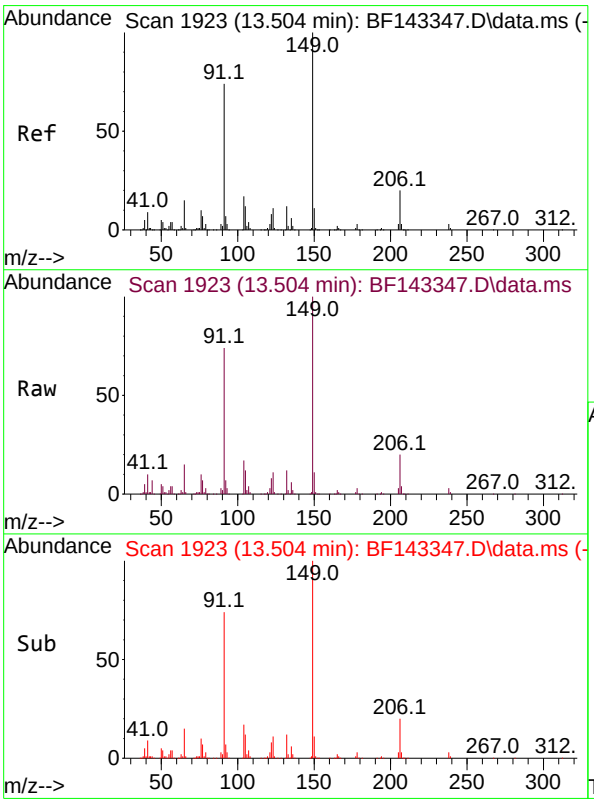
#79
Terphenyl-d14
Concen: 77.745 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1263446

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	11.1	8.9	13.3

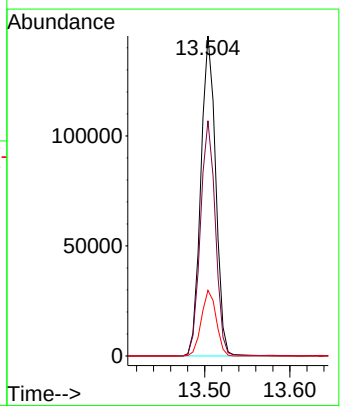


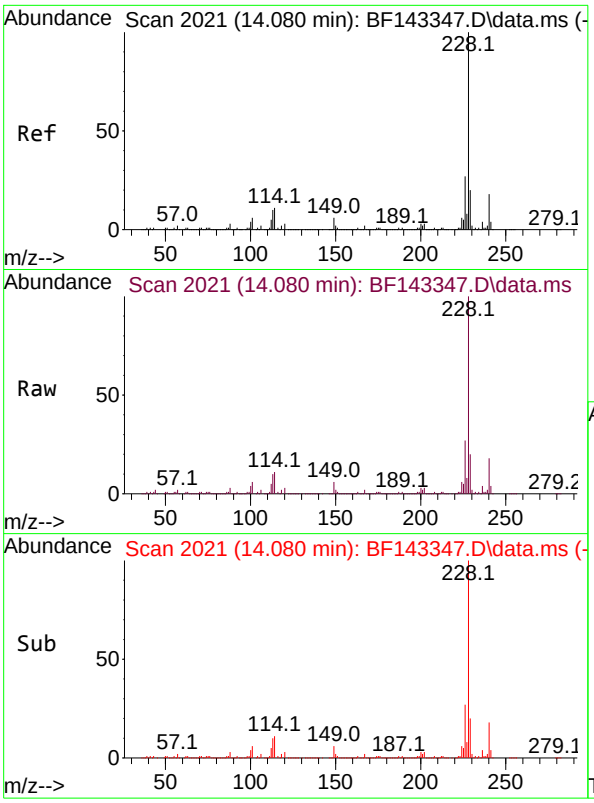


#80
Butylbenzylphthalate
Concen: 37.368 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 175897

Ion	Ratio	Lower	Upper
149	100		
91	73.5	58.8	88.2
206	20.5	16.4	24.6



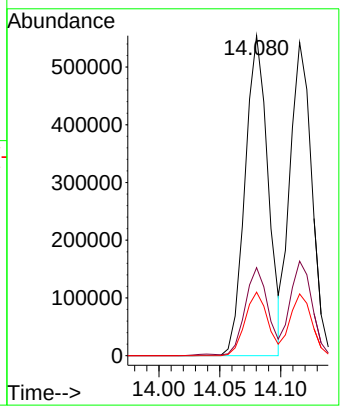


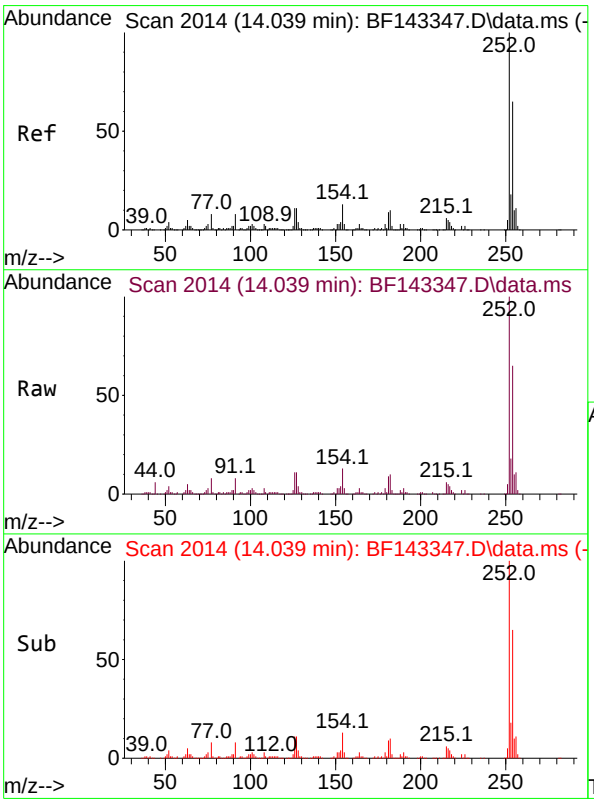
#81
Benzo(a)anthracene
Concen: 39.595 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 730158

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.8	15.8	23.8

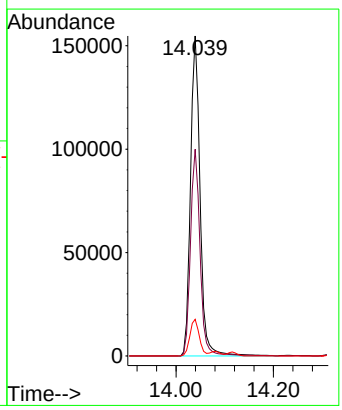


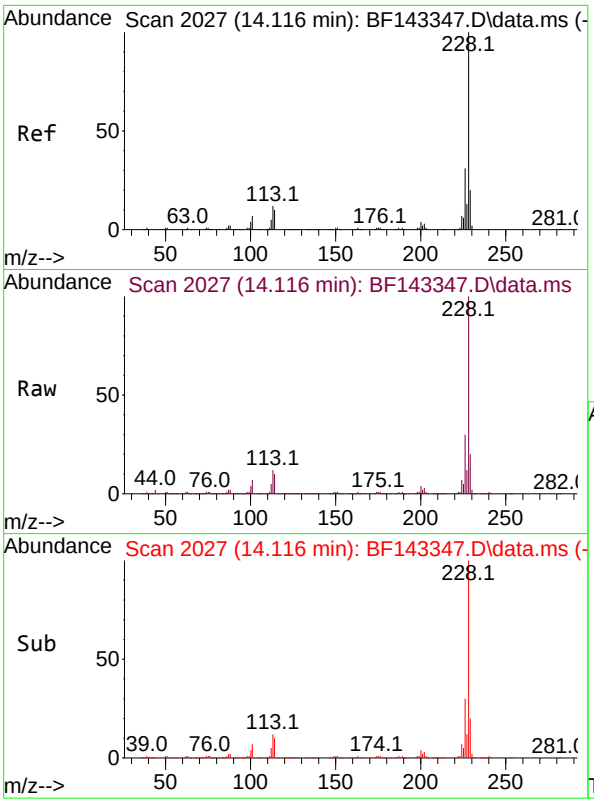


#82
3,3'-Dichlorobenzidine
Concen: 42.421 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 211236

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.5	9.2	13.8



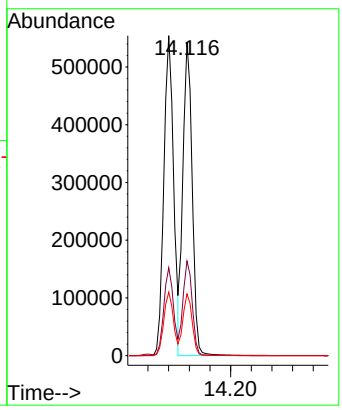


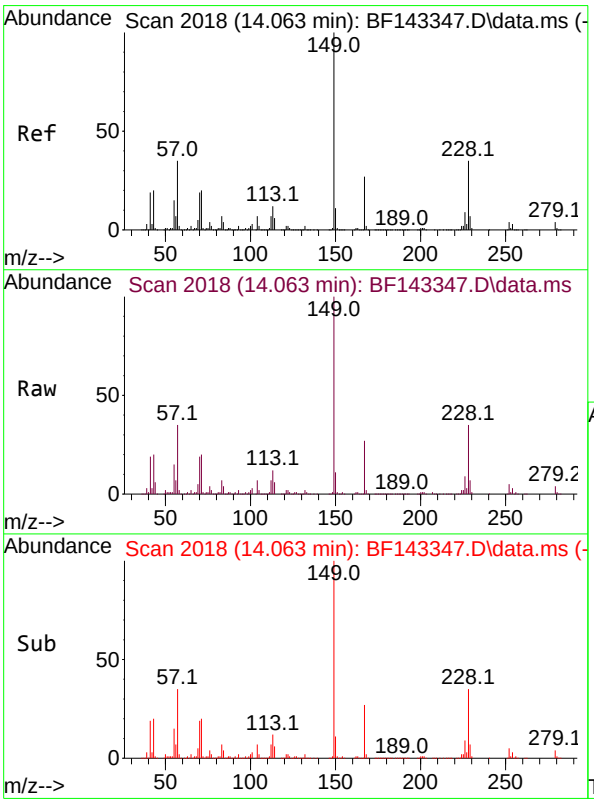
#83
Chrysene
Concen: 39.653 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 681835

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.8	23.6

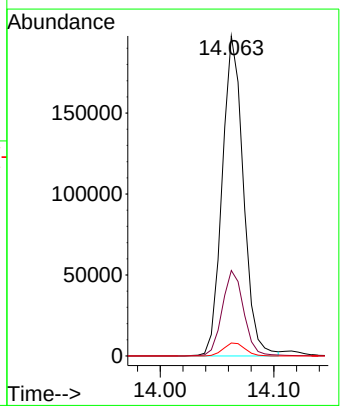


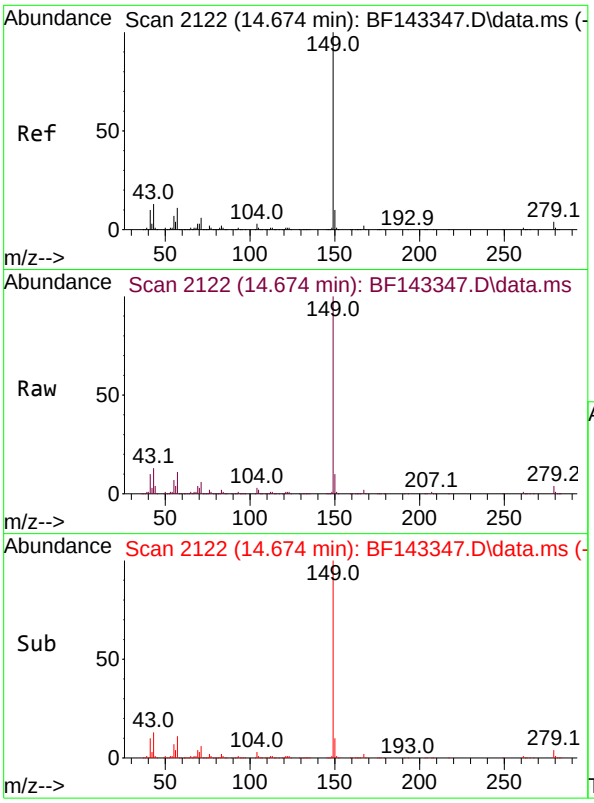


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.186 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:149 Resp: 256146

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.0	3.2	4.8



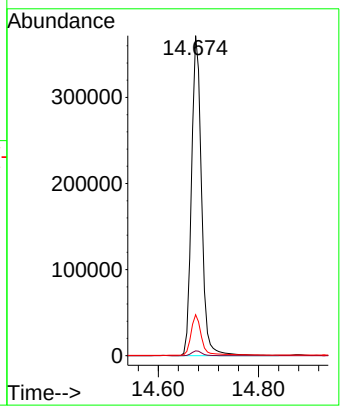


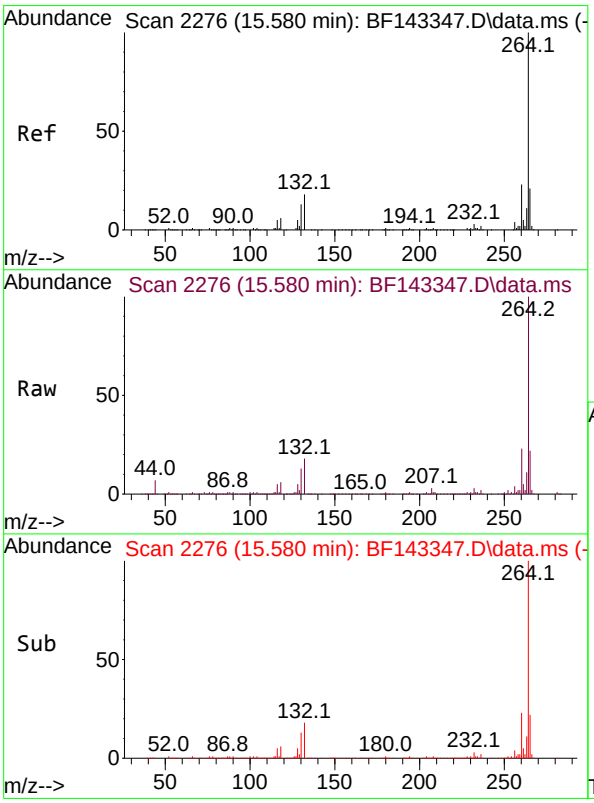
#85
Di-n-octyl phthalate
Concen: 38.008 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 515170

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

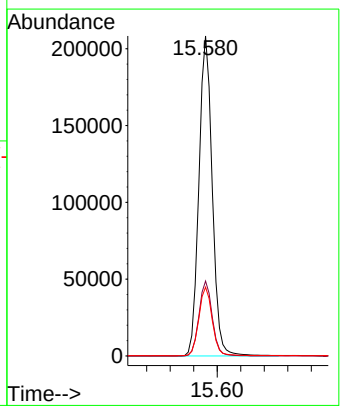


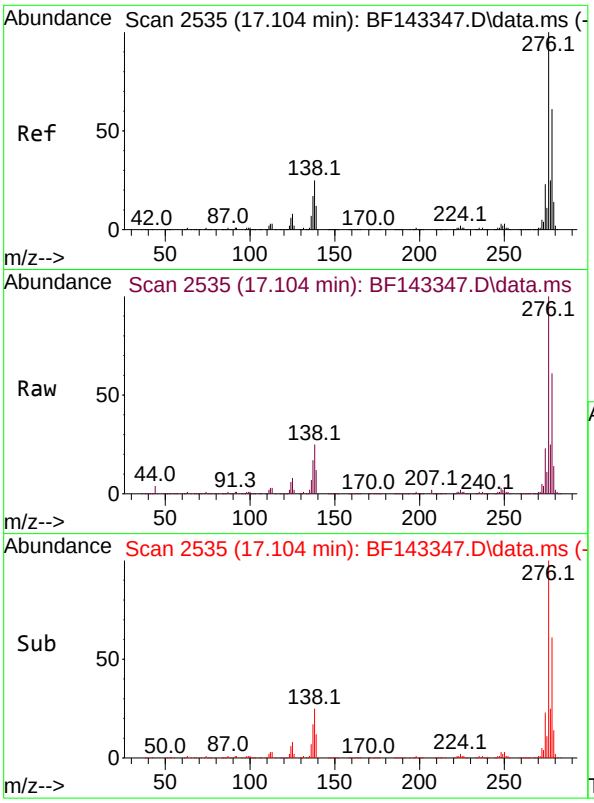


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:264 Resp: 328158

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.5	17.2	25.8



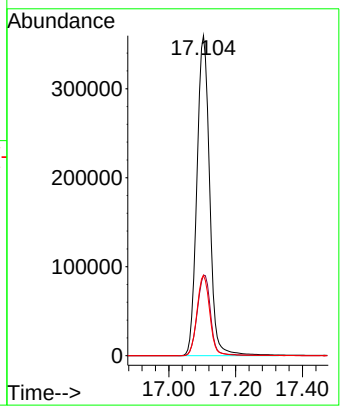


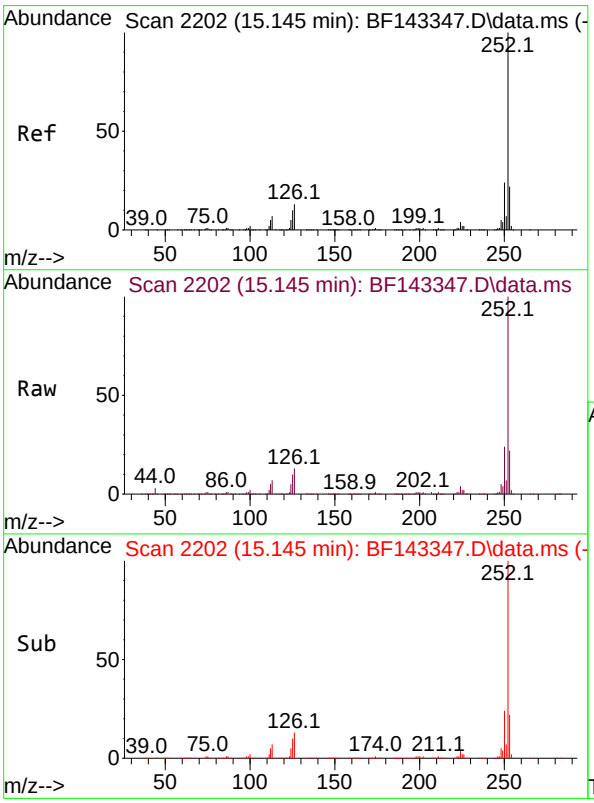
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.445 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 950872

Ion	Ratio	Lower	Upper
276	100		
138	26.4	21.1	31.7
277	25.2	20.2	30.2

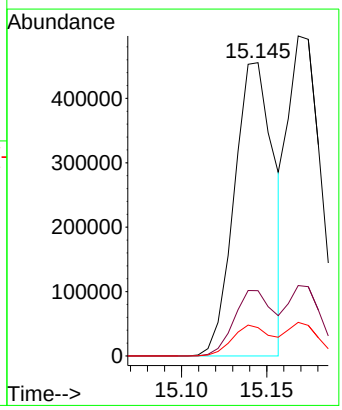


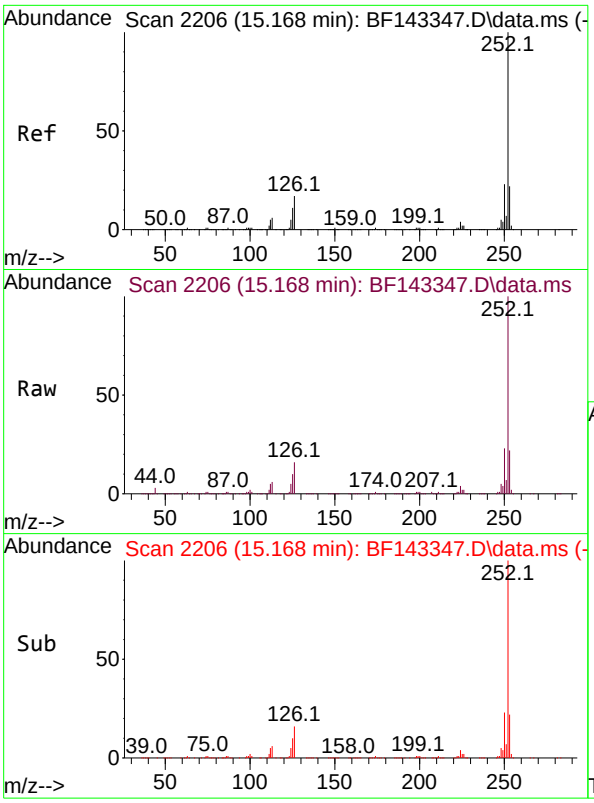


#88
Benzo(b)fluoranthene
Concen: 40.879 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 733725

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.7	7.8	11.6



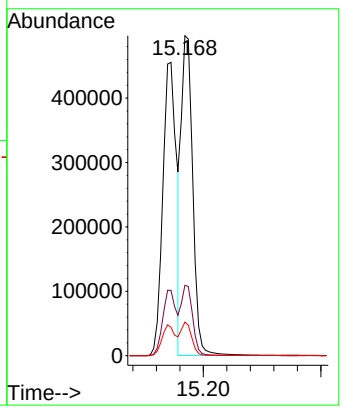


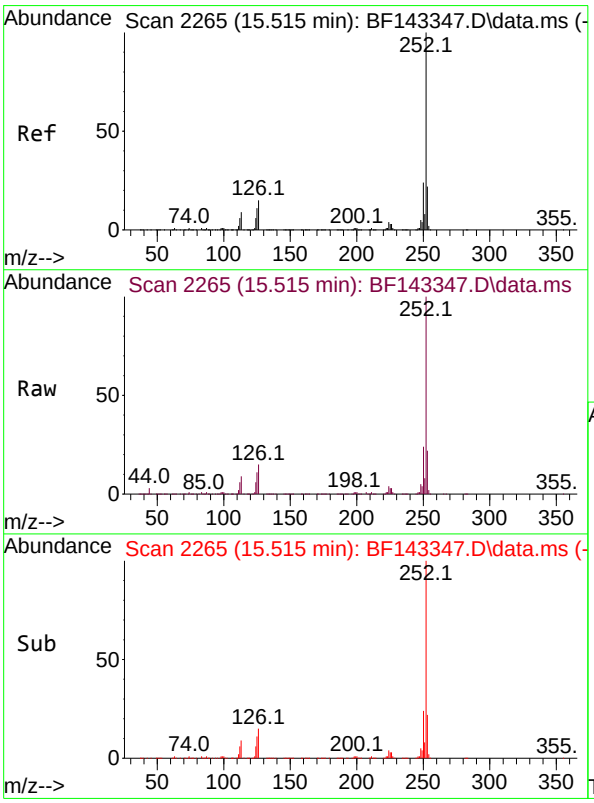
#89
Benzo(k)fluoranthene
Concen: 38.970 ng
RT: 15.168 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 679660

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.4	12.6

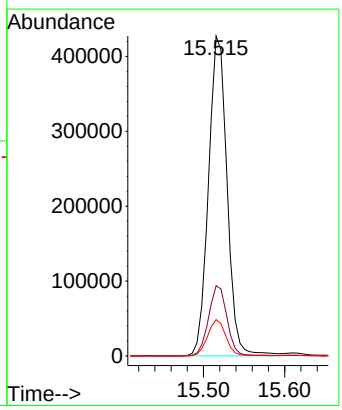


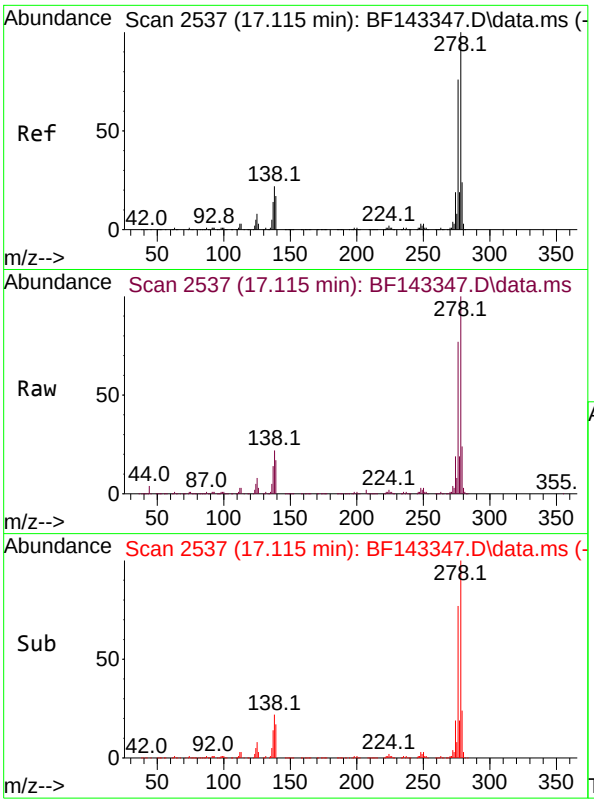


#90
Benzo(a)pyrene
Concen: 40.124 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:252 Resp: 678288

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.4	9.1	13.7



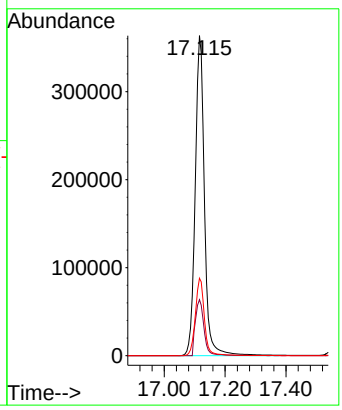


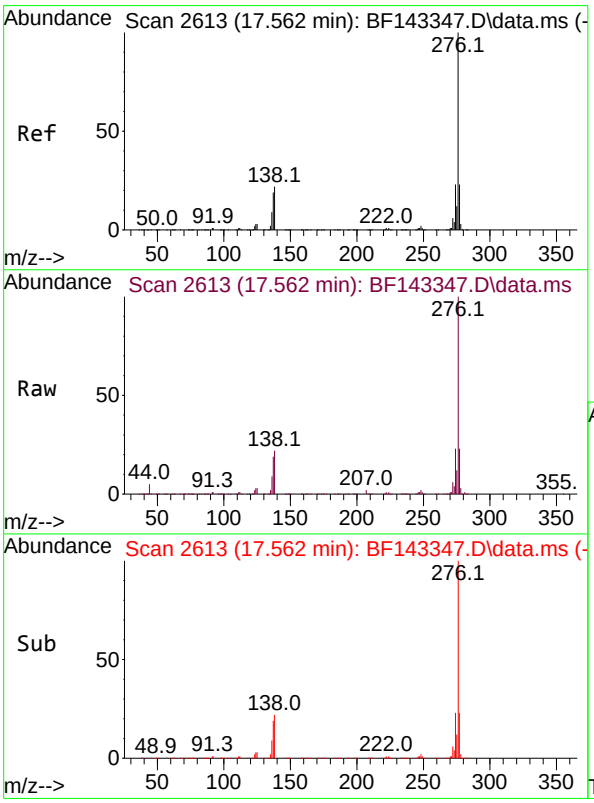
#91
Dibenzo(a,h)anthracene
Concen: 40.870 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 767630

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.0	21.0
279	24.2	19.4	29.0

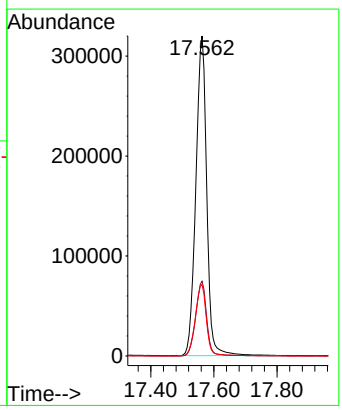




#92
Benzo(g,h,i)perylene
Concen: 40.549 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF143347.D
Acq: 12 Aug 2025 11:06

Tgt Ion:276 Resp: 767224

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	22.3	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	164745	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	635446	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	333763	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	492512	20.000	ng	0.00
76) Chrysene-d12	14.092	240	286106	20.000	ng	0.00
86) Perylene-d12	15.580	264	342458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	941847	98.862	ng	0.00
7) Phenol-d6	6.563	99	1192312	97.594	ng	0.00
23) Nitrobenzene-d5	7.493	82	1041552	102.072	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	266796	109.378	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1769302	89.893	ng	0.00
79) Terphenyl-d14	13.033	244	1395642	87.090	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	243901	49.475	ng	100
3) Pyridine	3.534	79	668266	50.870	ng	99
4) n-Nitrosodimethylamine	3.475	42	313754	51.272	ng	99
6) Aniline	6.593	93	835697	48.521	ng	97
8) 2-Chlorophenol	6.722	128	510568	50.155	ng	97
9) Benzaldehyde	6.481	77	360210	44.609	ng	99
10) Phenol	6.581	94	708845	48.977	ng	86
11) bis(2-Chloroethyl)ether	6.663	93	515652	48.342	ng	99
12) 1,3-Dichlorobenzene	6.875	146	561710	47.838	ng	99
13) 1,4-Dichlorobenzene	6.951	146	564115	47.868	ng	99
14) 1,2-Dichlorobenzene	7.104	146	533226	47.666	ng	99
15) Benzyl Alcohol	7.069	79	439125	50.143	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	911815	47.882	ng	97
17) 2-Methylphenol	7.181	107	426865	49.676	ng	99
18) Hexachloroethane	7.445	117	185051	50.086	ng	99
19) n-Nitroso-di-n-propyla...	7.340	70	355609	47.107	ng	99
20) 3+4-Methylphenols	7.334	107	505153	48.609	ng	95
22) Acetophenone	7.340	105	642443	45.886	ng	97
24) Nitrobenzene	7.510	77	558404	50.388	ng	99
25) Isophorone	7.751	82	995651	47.796	ng	99
26) 2-Nitrophenol	7.828	139	213083	47.982	ng	99
27) 2,4-Dimethylphenol	7.863	122	436419	50.217	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	608760	47.865	ng	100
29) 2,4-Dichlorophenol	8.069	162	428530	50.485	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	427946	47.795	ng	99
31) Naphthalene	8.234	128	1431280	46.809	ng	100
32) Benzoic acid	7.981	122	191072	49.943	ng	95
33) 4-Chloroaniline	8.281	127	531257	48.171	ng	100
34) Hexachlorobutadiene	8.357	225	264501	47.488	ng	100
35) Caprolactam	8.651	113	123969	51.952	ng	96
36) 4-Chloro-3-methylphenol	8.763	107	442622	49.741	ng	98
37) 2-Methylnaphthalene	8.928	142	938982	46.712	ng	99
38) 1-Methylnaphthalene	9.028	142	902313	46.606	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	437268	47.877	ng	99
41) Hexachlorocyclopentadiene	9.081	237	143487	47.474	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	273471	52.773	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	303993	51.948	ng	99
46) 1,1'-Biphenyl	9.387	154	1098727	46.558	ng	99
47) 2-Chloronaphthalene	9.416	162	872497	46.944	ng	100
48) 2-Nitroaniline	9.504	65	267630	49.816	ng	99
49) Acenaphthylene	9.828	152	1272878	47.424	ng	100
50) Dimethylphthalate	9.681	163	954560	48.946	ng	100
51) 2,6-Dinitrotoluene	9.745	165	182648	49.400	ng	99
52) Acenaphthene	10.004	154	844612	47.334	ng	100
53) 3-Nitroaniline	9.916	138	220926	55.316	ng	99
54) 2,4-Dinitrophenol	10.022	184	61169	49.460	ng	91
55) Dibenzofuran	10.175	168	1199947	46.725	ng	100
56) 4-Nitrophenol	10.075	139	150114	49.286	ng	99
57) 2,4-Dinitrotoluene	10.145	165	246635	50.215	ng	99
58) Fluorene	10.516	166	910380	46.411	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.292	232	215158	54.543	ng	100
60) Diethylphthalate	10.381	149	865395	49.540	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	444383	46.885	ng	99
62) 4-Nitroaniline	10.528	138	207188	53.618	ng	99
63) Azobenzene	10.663	77	957306	47.978	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	95307	47.856	ng	94
66) n-Nitrosodiphenylamine	10.622	169	787342	48.549	ng	100
67) 4-Bromophenyl-phenylether	10.998	248	279724	49.660	ng	96
68) Hexachlorobenzene	11.069	284	291915	48.079	ng	99
69) Atrazine	11.145	200	221025	52.254	ng	98
70) Pentachlorophenol	11.263	266	139359	49.342	ng	98
71) Phenanthrene	11.480	178	1258386	46.830	ng	100
72) Anthracene	11.528	178	1284165	47.123	ng	100
73) Carbazole	11.680	167	1082772	46.654	ng	99
74) Di-n-butylphthalate	12.010	149	1008389	51.345	ng	99
75) Fluoranthene	12.663	202	1074315	45.641	ng	99
77) Benzidine	12.780	184	392548	50.186	ng	99
78) Pyrene	12.898	202	1081940	45.078	ng	99
80) Butylbenzylphthalate	13.504	149	229034	48.268	ng	99
81) Benzo(a)anthracene	14.080	228	878814	48.327	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	267204	54.417	ng	100
83) Chrysene	14.116	228	831682	49.049	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	341876	48.921	ng	98
85) Di-n-octyl phthalate	14.674	149	675816	48.572	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	1191556	48.566	ng	100
88) Benzo(b)fluoranthene	15.145	252	895570	47.812	ng	100
89) Benzo(k)fluoranthene	15.174	252	901937	49.555	ng	99
90) Benzo(a)pyrene	15.521	252	866161	49.098	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	957602	48.855	ng	99
92) Benzo(g,h,i)perylene	17.568	276	962236	48.732	ng	100

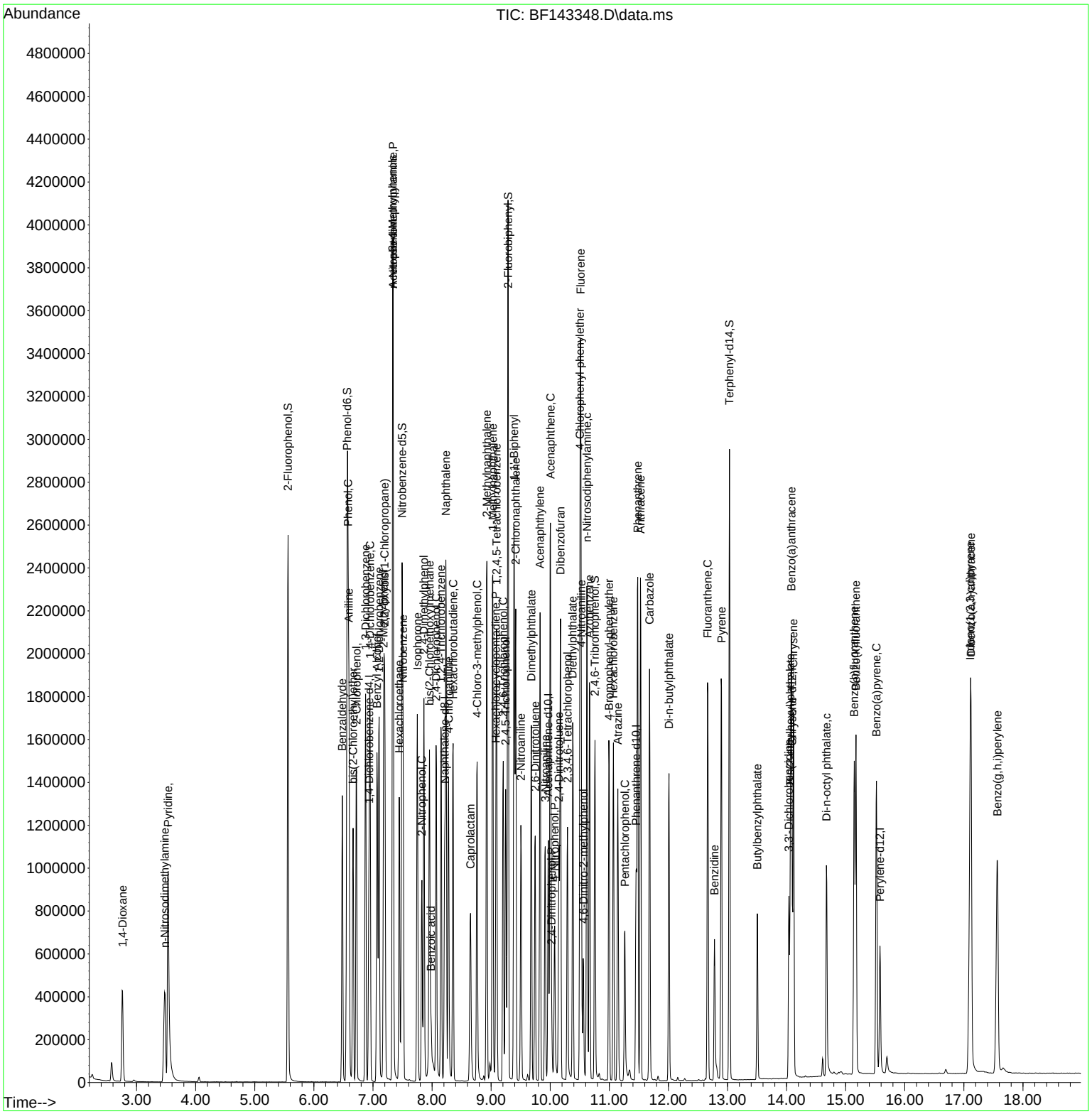
(#) = qualifier out of range (m) = manual integration (+) = signals summed

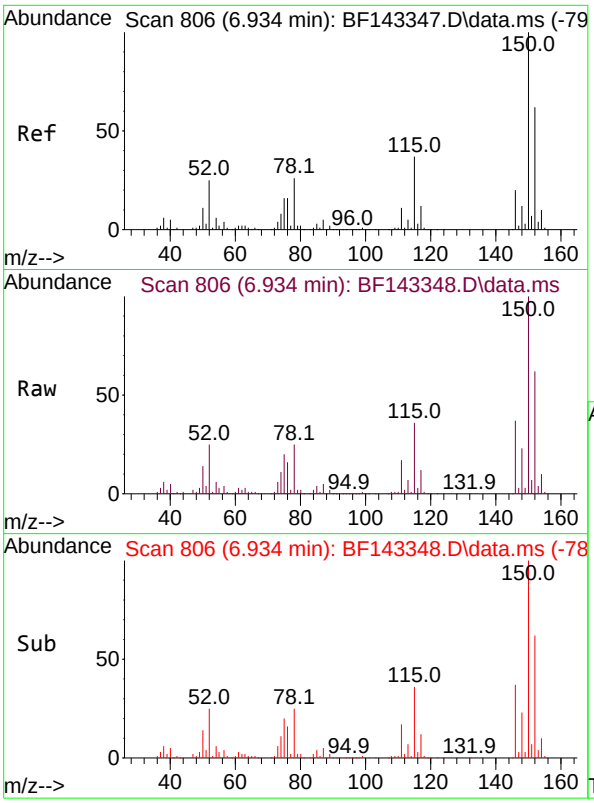
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143348.D
Acq On : 12 Aug 2025 11:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Aug 12 13:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



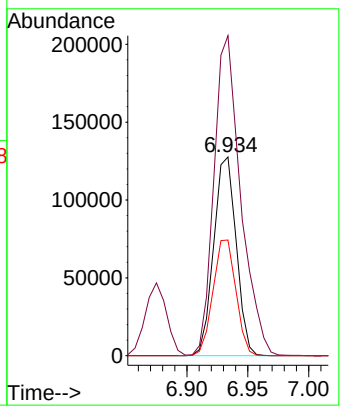


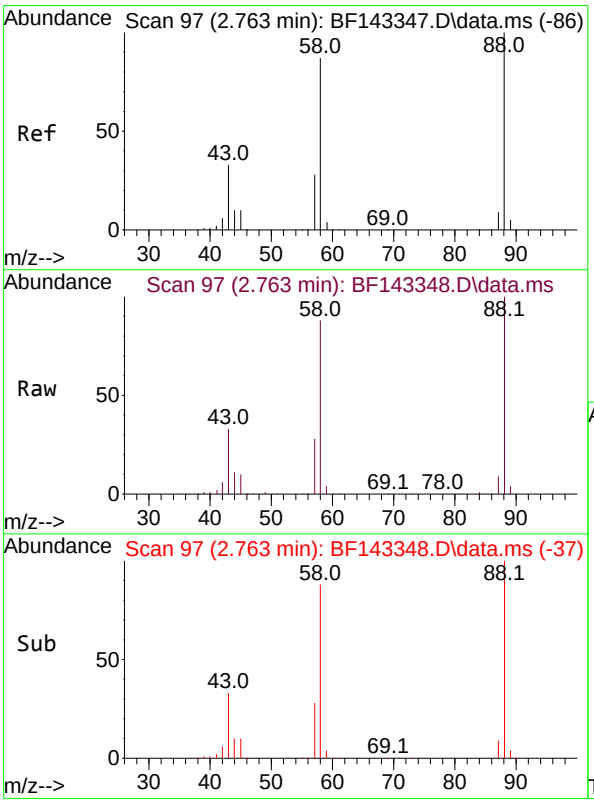
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 164745

Ion	Ratio	Lower	Upper
152	100		
150	161.0	129.8	194.8
115	58.2	47.8	71.8

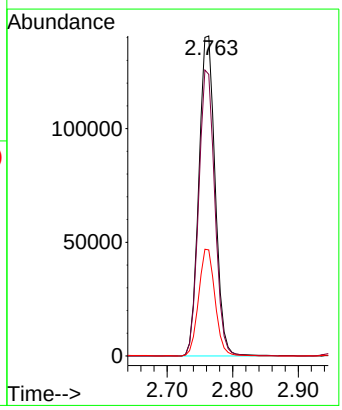


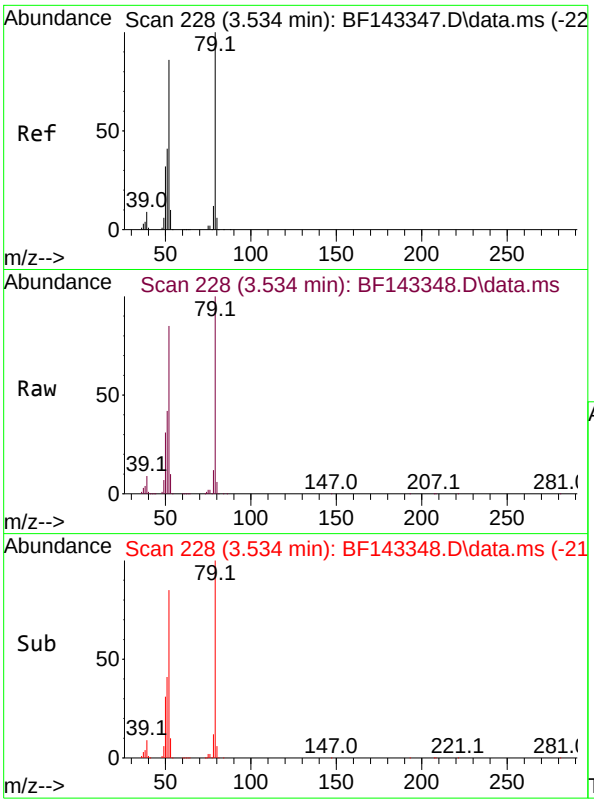


#2
1,4-Dioxane
Concen: 49.475 ng
RT: 2.763 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 88 Resp: 243901

Ion	Ratio	Lower	Upper
88	100		
58	88.3	71.0	106.6
43	33.6	27.0	40.6



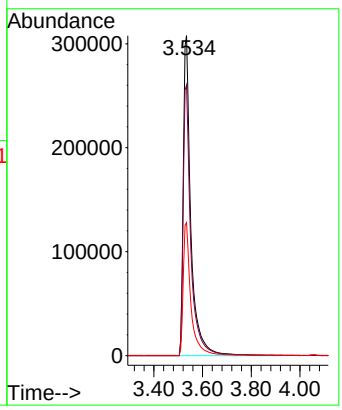


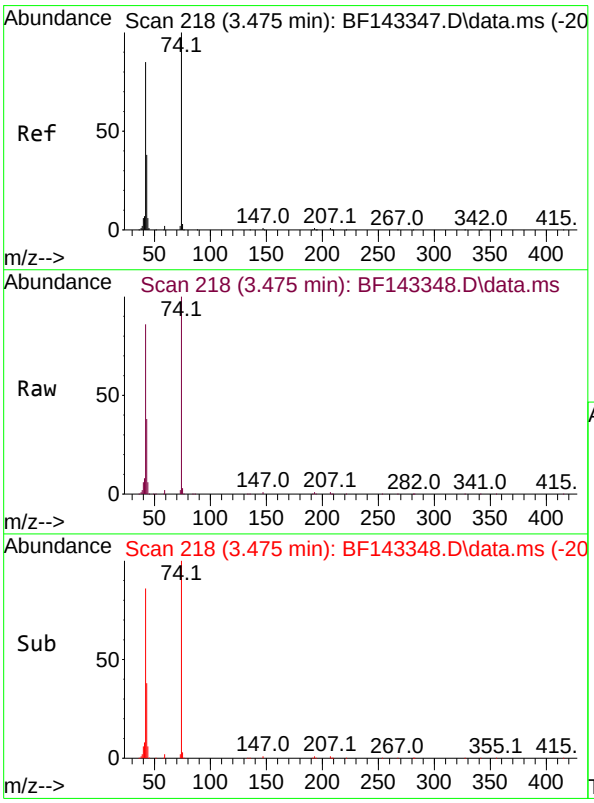
#3
Pyridine
Concen: 50.870 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 668266

Ion	Ratio	Lower	Upper
79	100		
52	84.5	68.7	103.1
51	41.6	33.4	50.0

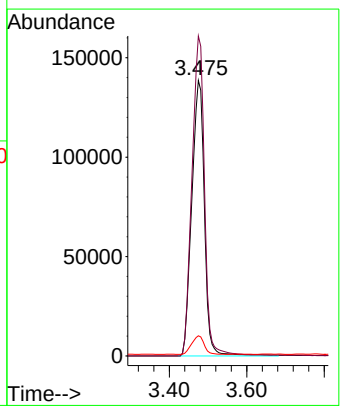


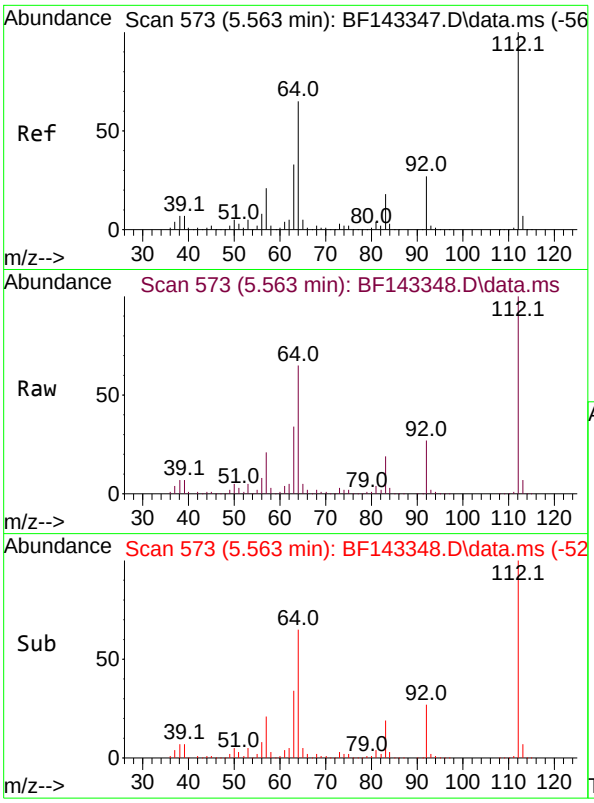


#4
n-Nitrosodimethylamine
Concen: 51.272 ng
RT: 3.475 min Scan# 218
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 42 Resp: 313754

Ion	Ratio	Lower	Upper
42	100		
74	116.1	94.1	141.1
44	7.3	6.5	9.7



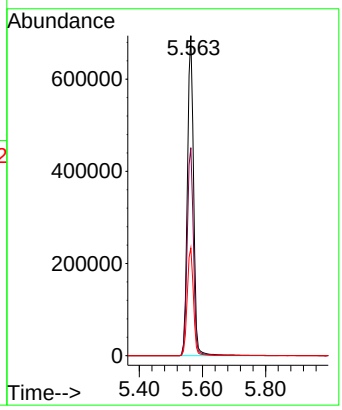


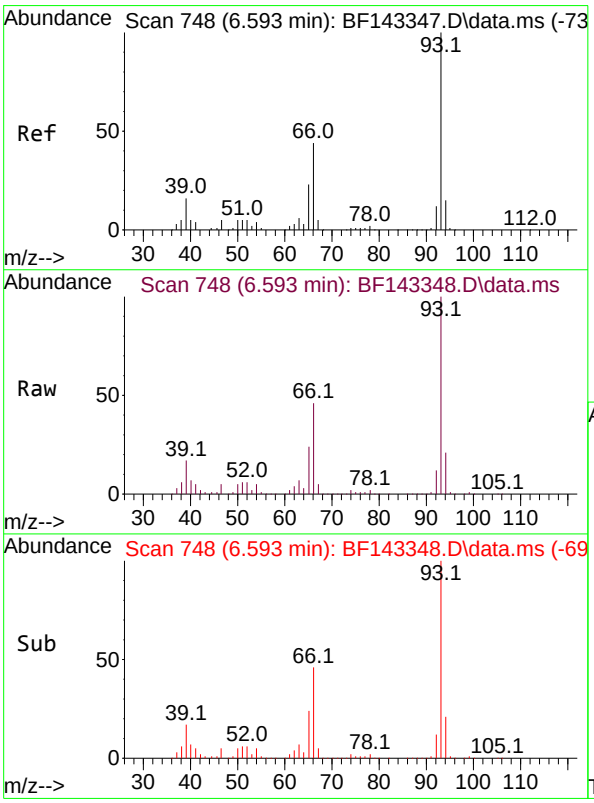
#5
2-Fluorophenol
Concen: 98.862 ng
RT: 5.563 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 941847

Ion	Ratio	Lower	Upper
112	100		
64	65.0	52.1	78.1
63	33.6	26.6	39.8

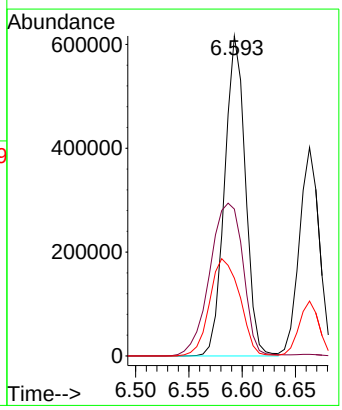


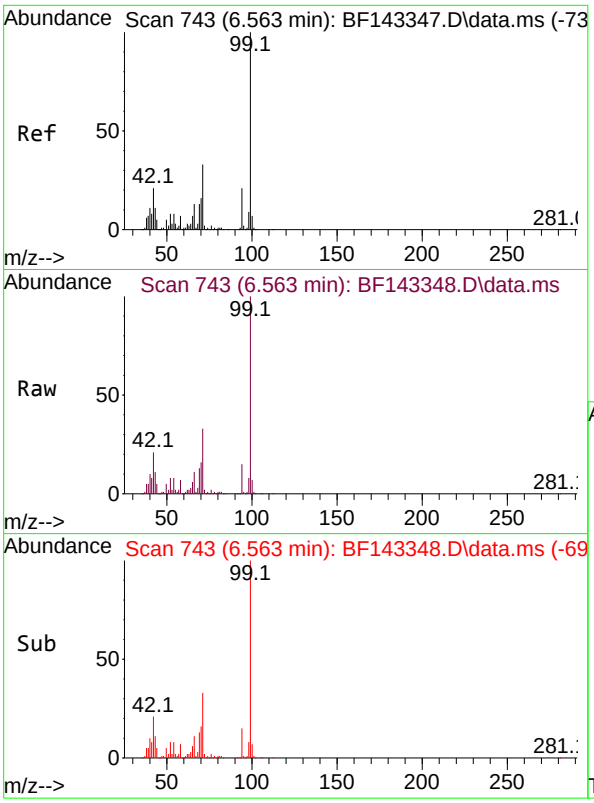


#6
Aniline
Concen: 48.521 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 93 Resp: 835697

Ion	Ratio	Lower	Upper
93	100		
66	45.9	35.3	52.9
65	24.3	18.2	27.4



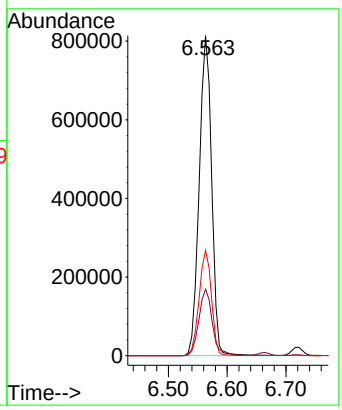


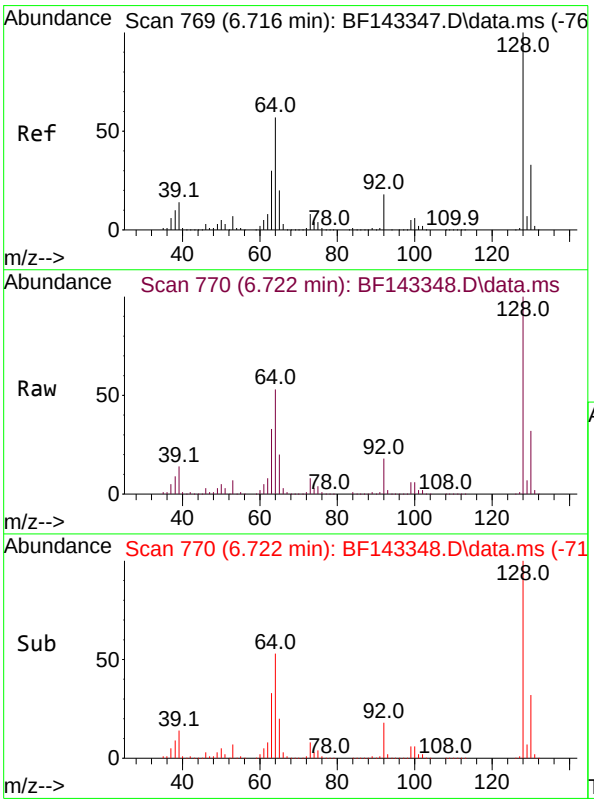
#7
Phenol-d6
Concen: 97.594 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1192312

Ion	Ratio	Lower	Upper
99	100		
42	20.8	16.6	25.0
71	32.9	26.2	39.2

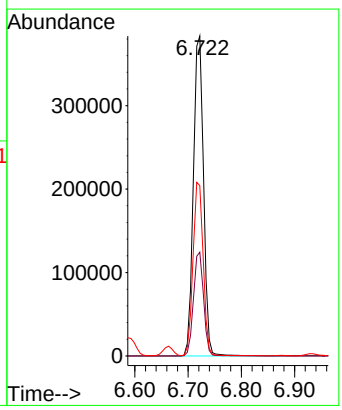


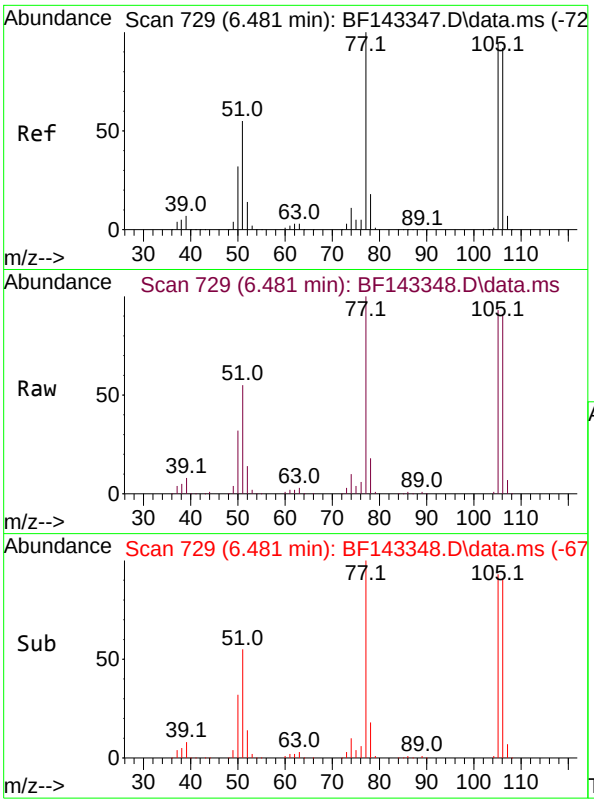


#8
2-Chlorophenol
Concen: 50.155 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:128 Resp: 510568

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	53.2	36.7	76.7



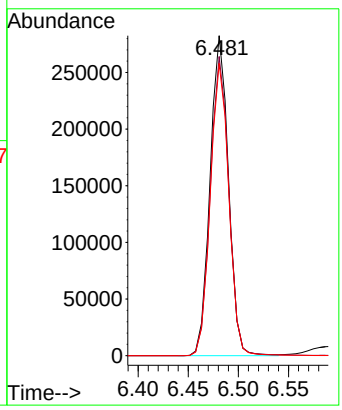


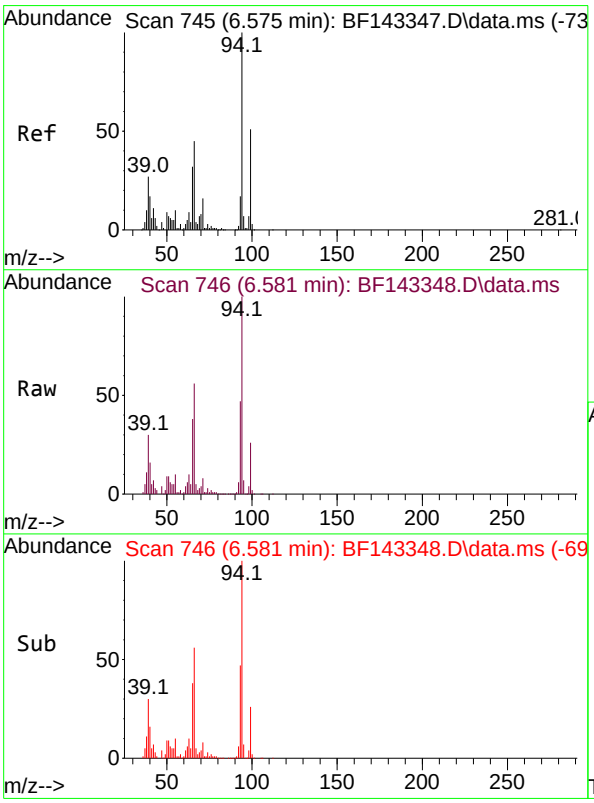
#9
Benzaldehyde
Concen: 44.609 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 360210

Ion	Ratio	Lower	Upper
77	100		
105	93.5	74.2	114.2
106	91.4	72.2	112.2

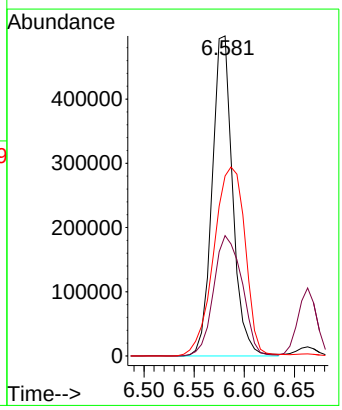


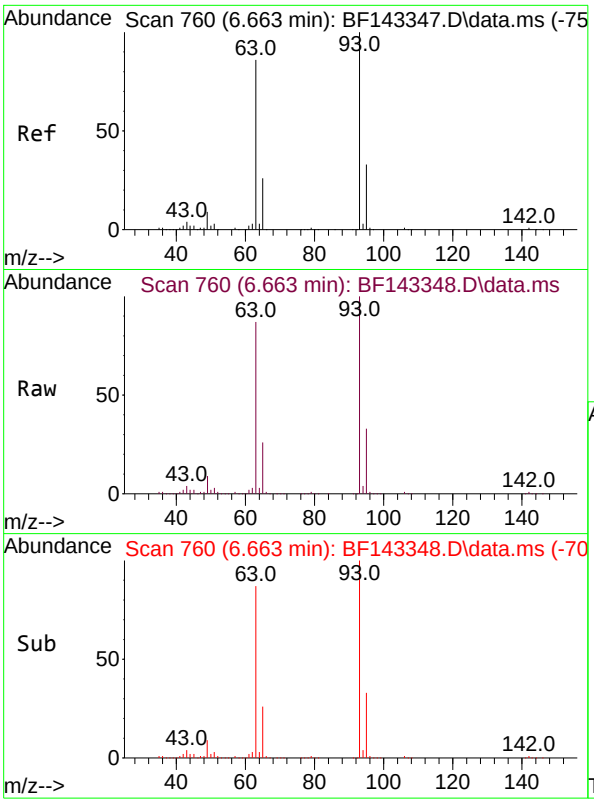


#10
Phenol
Concen: 48.977 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 94 Resp: 708845

Ion	Ratio	Lower	Upper
94	100		
65	37.6	12.0	52.0
66	56.2	25.6	65.6



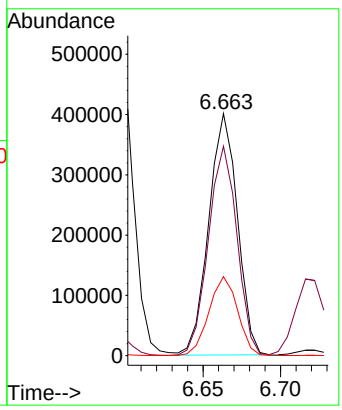


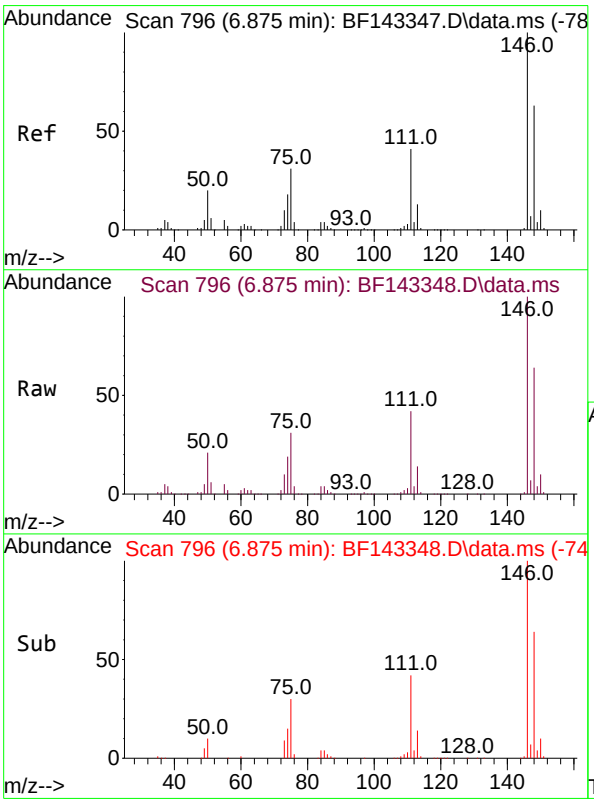
#11
bis(2-Chloroethyl)ether
Concen: 48.342 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 515652

Ion	Ratio	Lower	Upper
93	100		
63	86.5	65.7	105.7
95	32.7	13.0	53.0

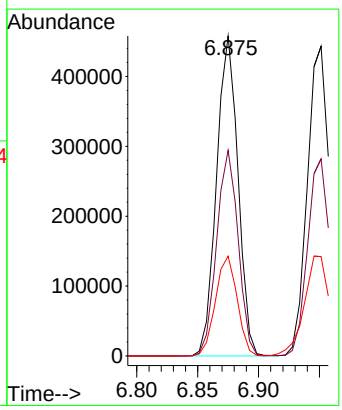


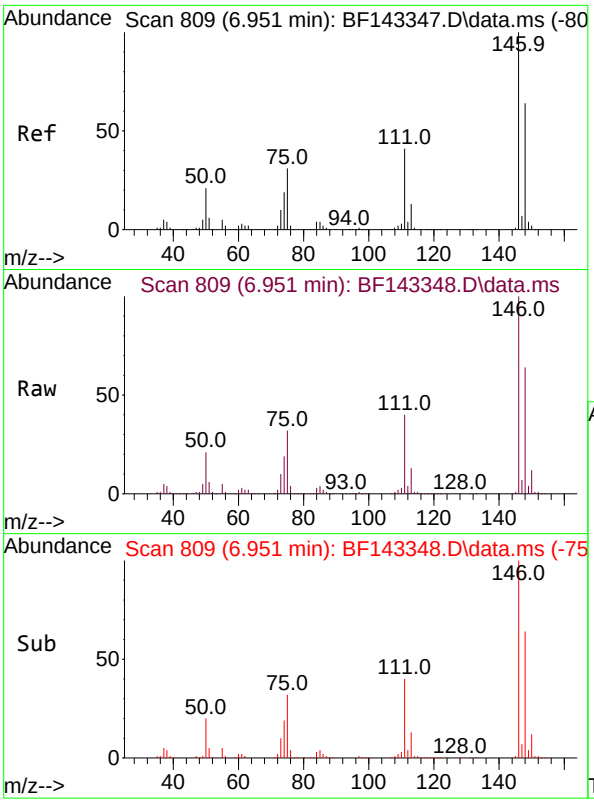


#12
1,3-Dichlorobenzene
Concen: 47.838 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:146 Resp: 561710

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
75	31.2	24.9	37.3



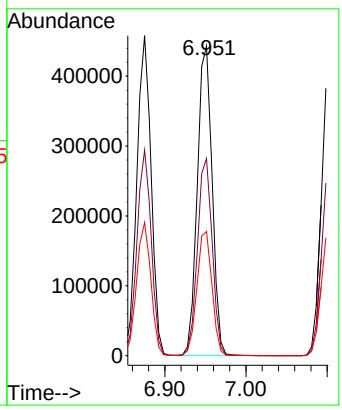


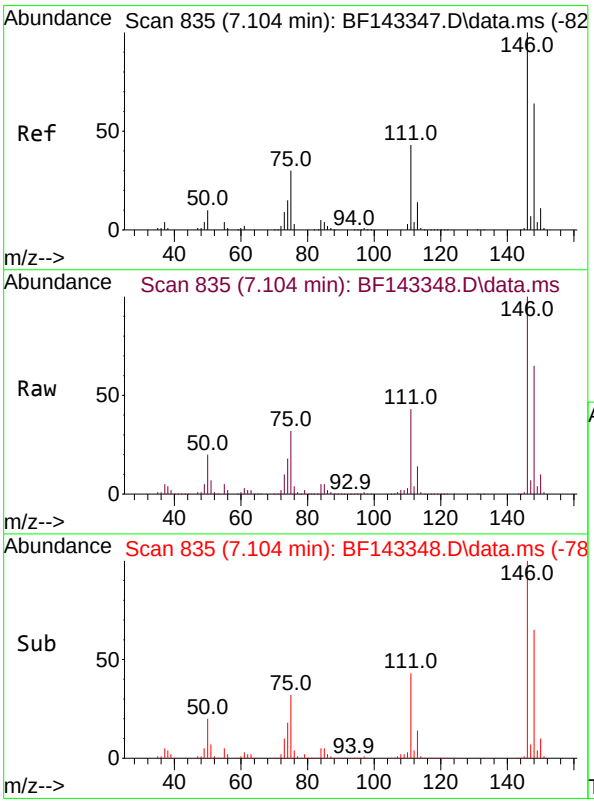
#13
1,4-Dichlorobenzene
Concen: 47.868 ng
RT: 6.951 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 564115

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	40.1	32.6	48.8

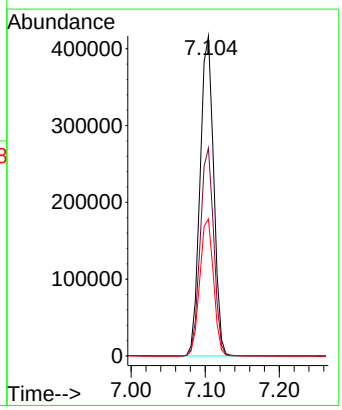


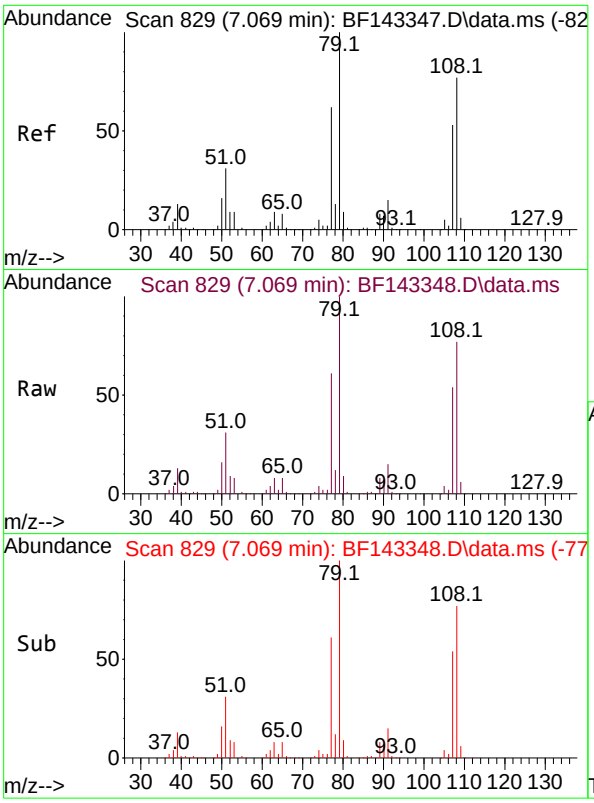


#14
1,2-Dichlorobenzene
Concen: 47.666 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:146 Resp: 533226

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.4	77.2
111	42.8	34.1	51.1



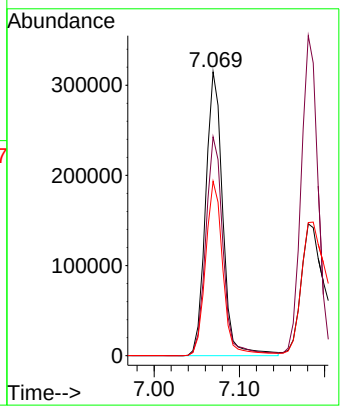


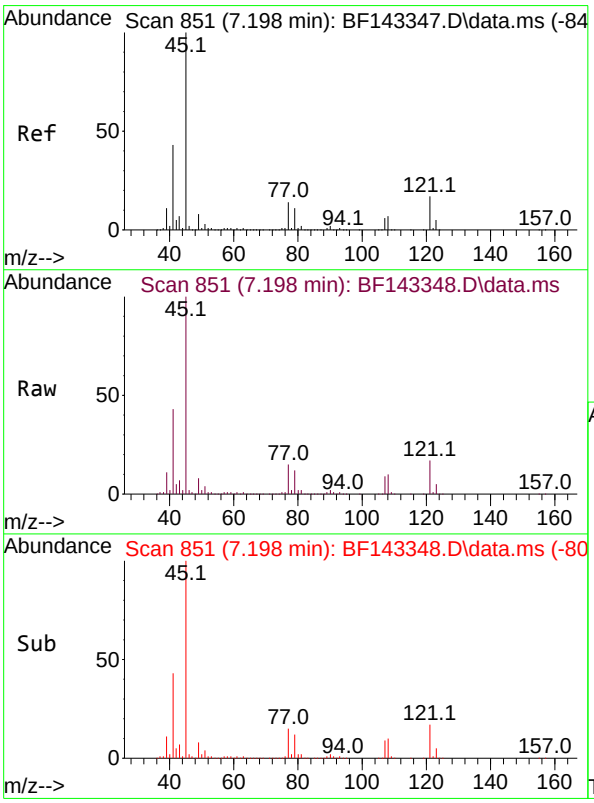
#15
Benzyl Alcohol
Concen: 50.143 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 439125

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.5	92.3
77	61.4	49.8	74.8

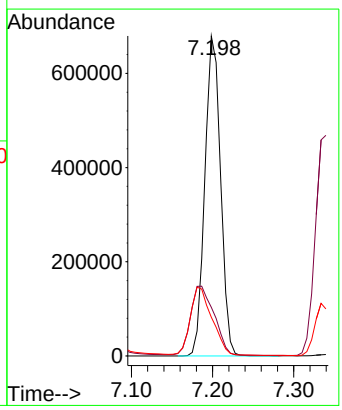


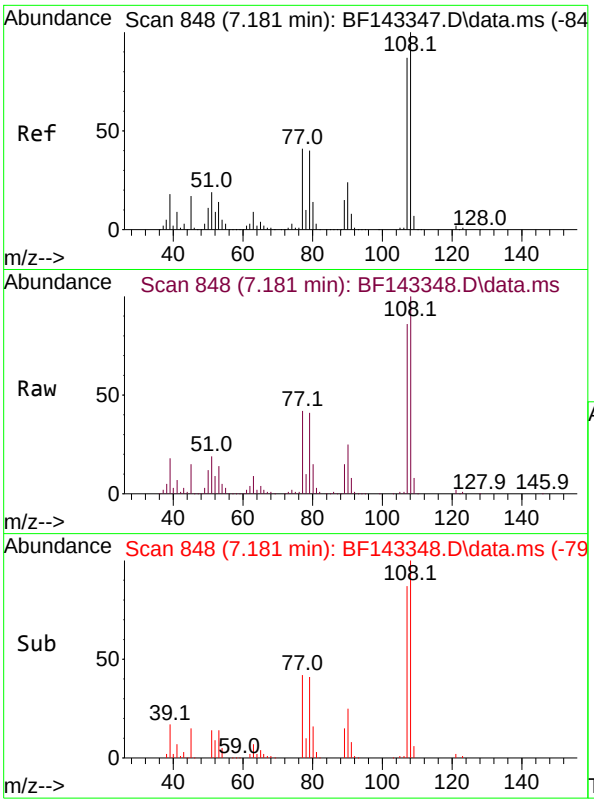


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.882 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 45 Resp: 911815

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.0
79	12.1	0.0	31.1



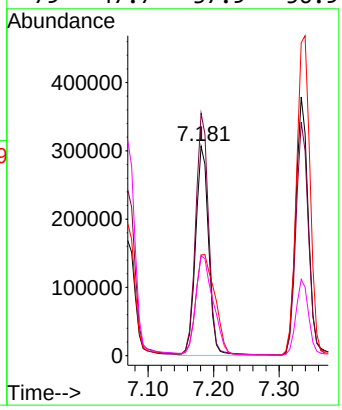


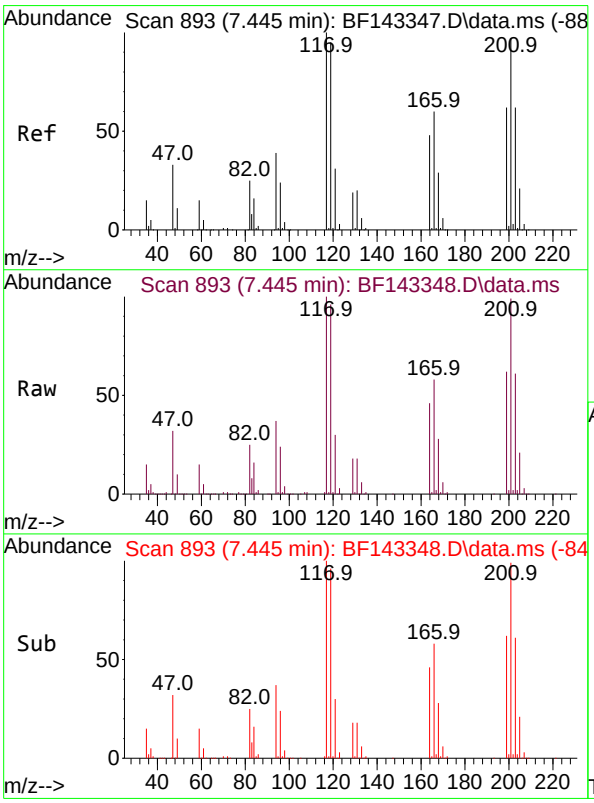
#17
2-Methylphenol
Concen: 49.676 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 426865

Ion	Ratio	Lower	Upper
107	100		
108	115.7	92.0	138.0
77	48.1	38.2	57.2
79	47.7	37.9	56.9

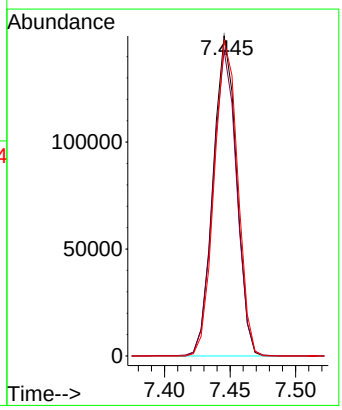


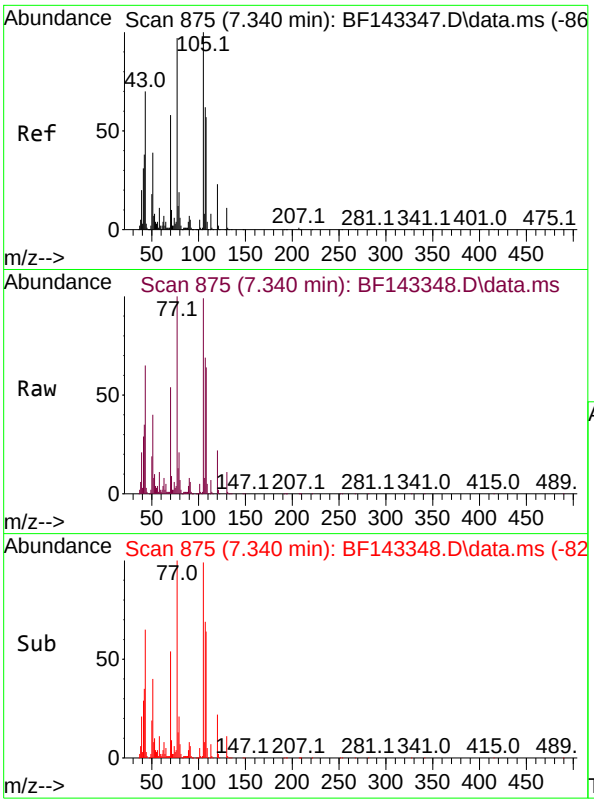


#18
Hexachloroethane
Concen: 50.086 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:117 Resp: 185051

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.8	113.8
201	98.6	77.2	115.8



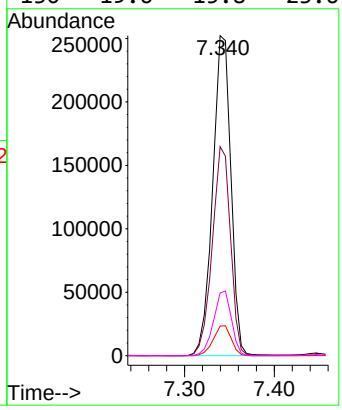


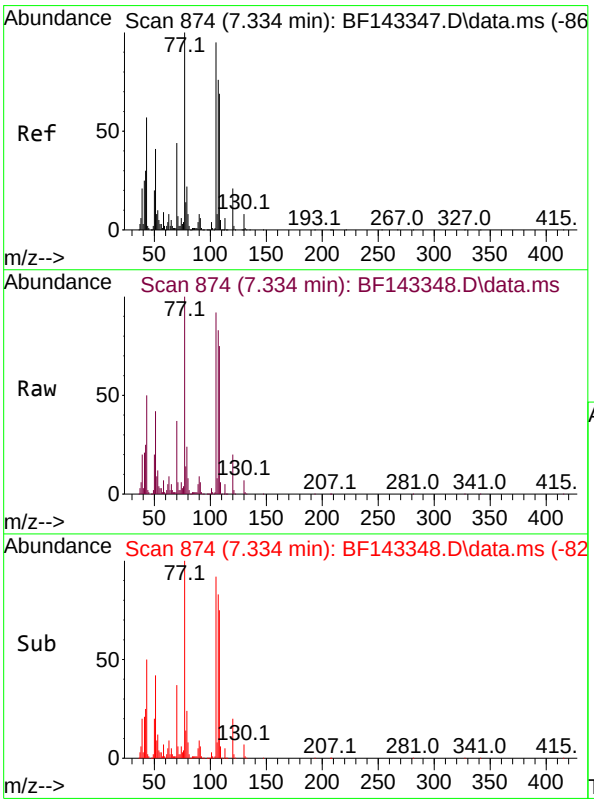
#19
n-Nitroso-di-n-propylamine
Concen: 47.107 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 355609

Ion	Ratio	Lower	Upper
70	100		
42	65.3	51.6	77.4
101	9.2	7.5	11.3
130	19.6	15.8	23.6

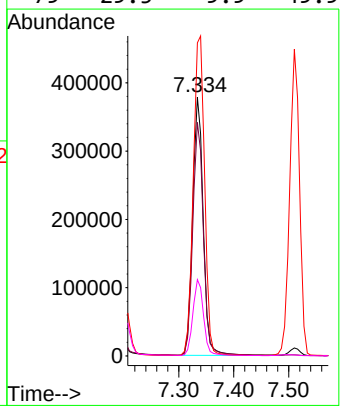


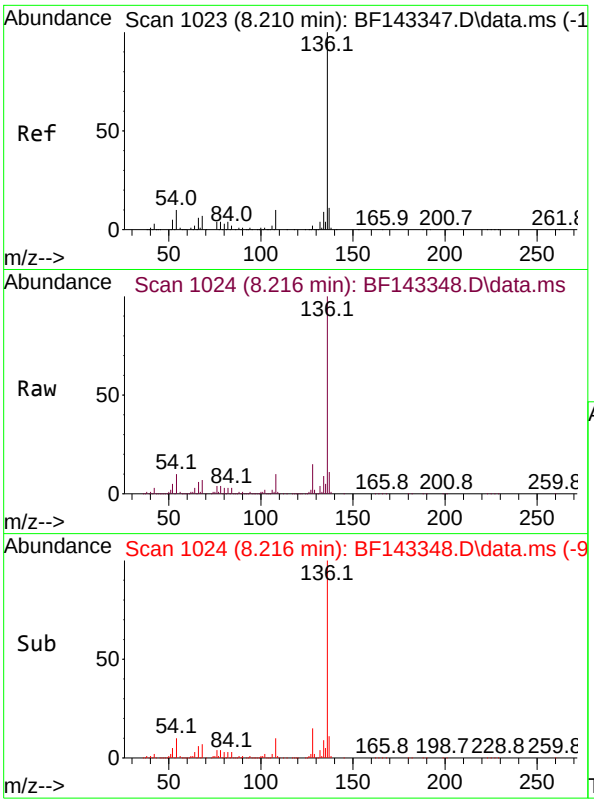


#20
3+4-Methylphenols
Concen: 48.609 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:107 Resp: 505153

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.6	110.6
77	121.1	112.0	152.0
79	29.5	9.9	49.9



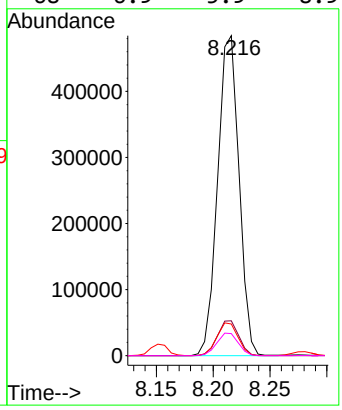


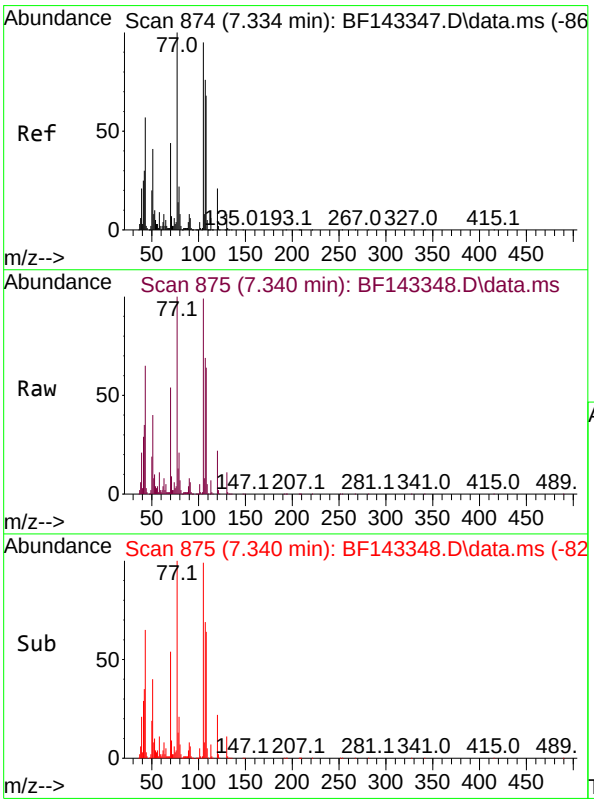
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 635446

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.9	8.4	12.6
68	6.9	5.9	8.9

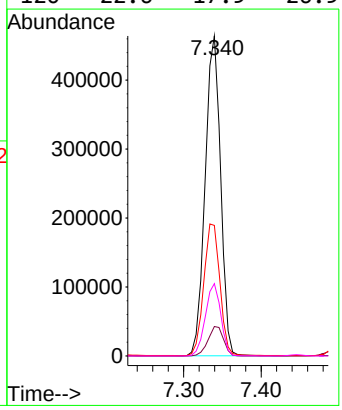


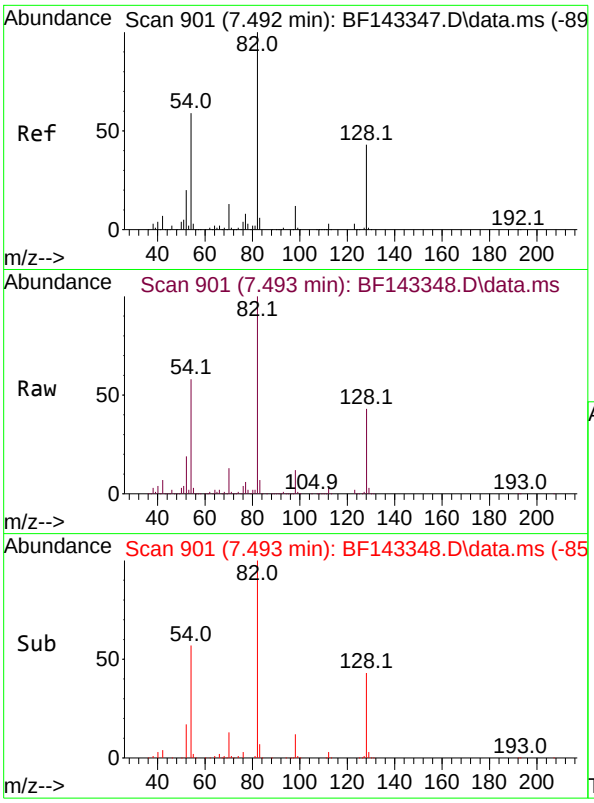


#22
Acetophenone
Concen: 45.886 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:105 Resp: 642443

Ion	Ratio	Lower	Upper
105	100		
71	9.2	6.2	9.4
51	40.8	34.8	52.2
120	22.6	17.9	26.9



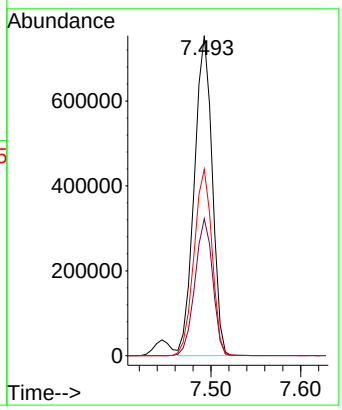


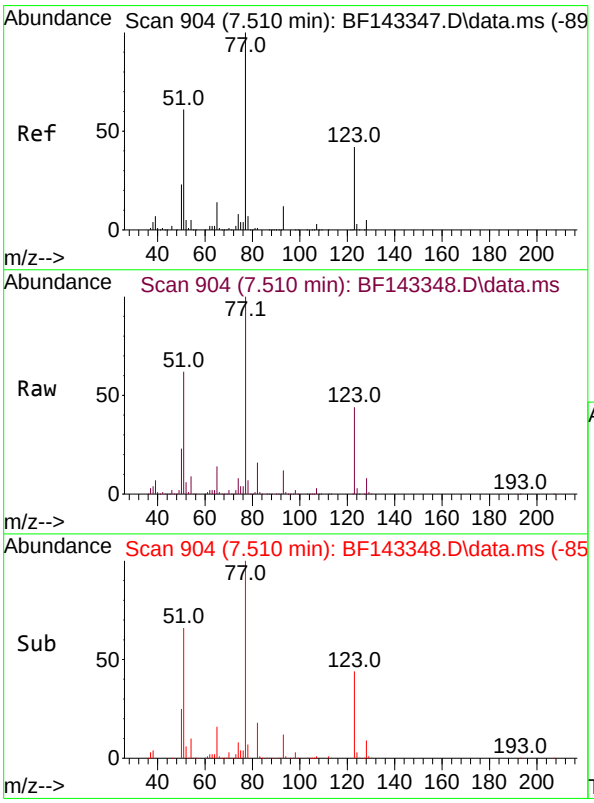
#23
Nitrobenzene-d5
Concen: 102.072 ng
RT: 7.493 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1041552

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.5	50.3
54	58.2	46.7	70.1

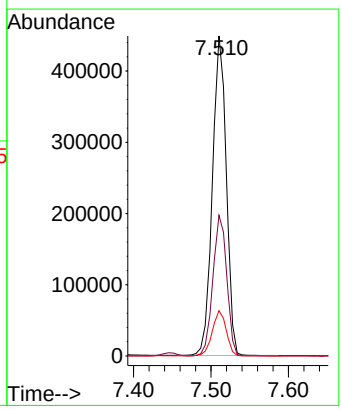


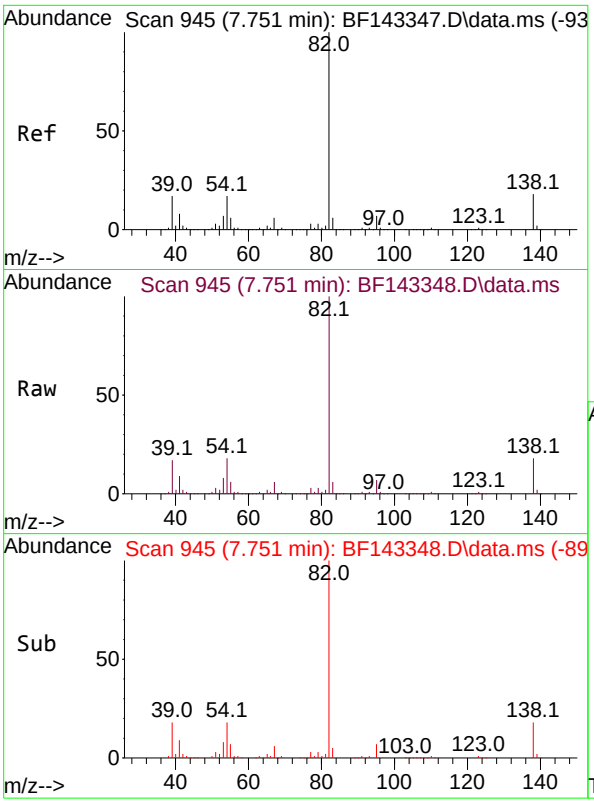


#24
Nitrobenzene
Concen: 50.388 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 77 Resp: 558404

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.8	52.2
65	14.1	11.0	16.6



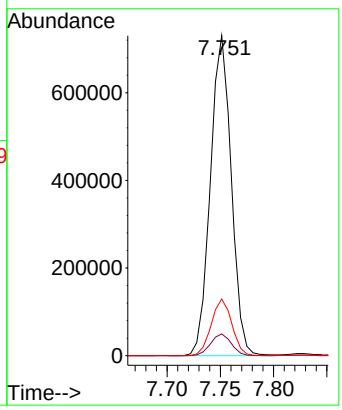


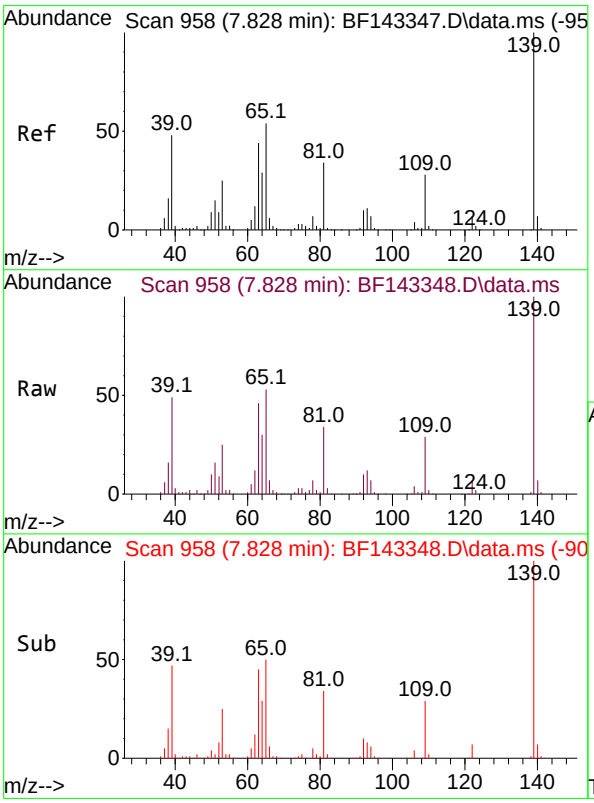
#25
Isophorone
Concen: 47.796 ng
RT: 7.751 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 995651

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.7	14.6	21.8

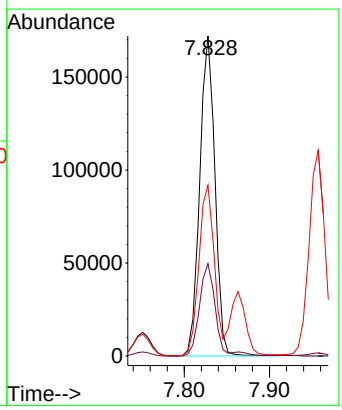


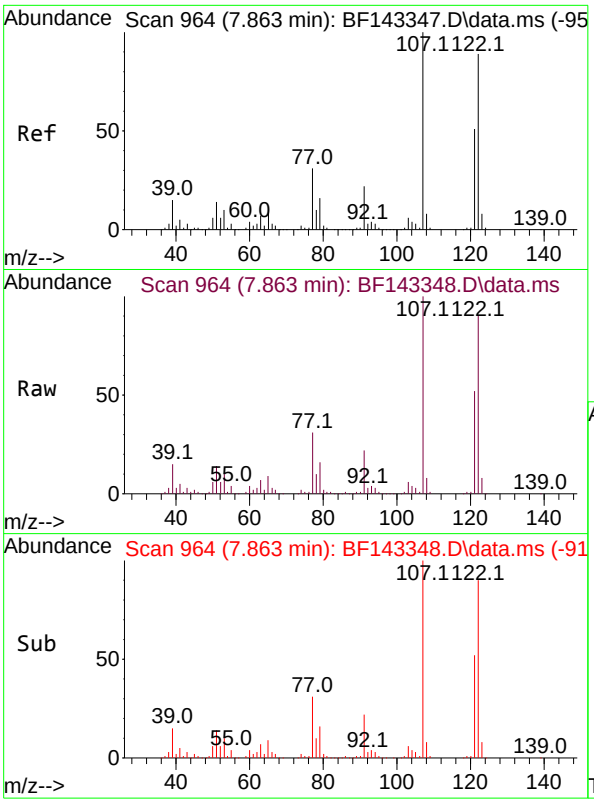


#26
2-Nitrophenol
Concen: 47.982 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:139 Resp: 213083

Ion	Ratio	Lower	Upper
139	100		
109	28.9	22.4	33.6
65	53.4	42.9	64.3



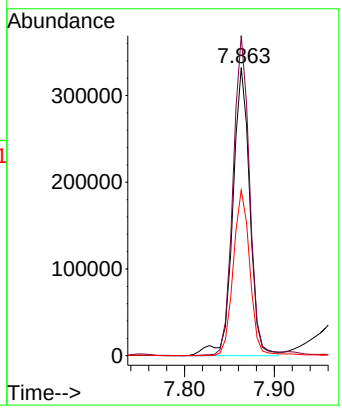


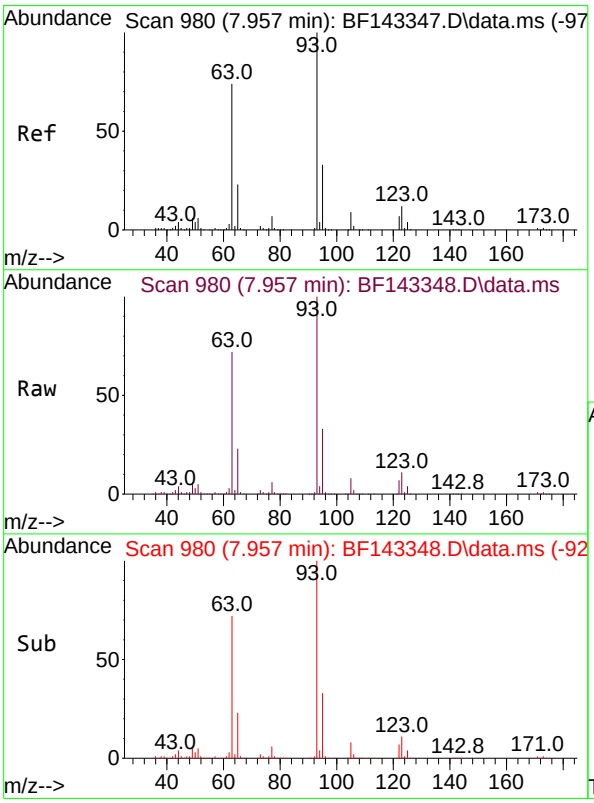
#27
2,4-Dimethylphenol
Concen: 50.217 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 436419

Ion	Ratio	Lower	Upper
122	100		
107	111.1	89.9	134.9
121	57.5	46.2	69.4

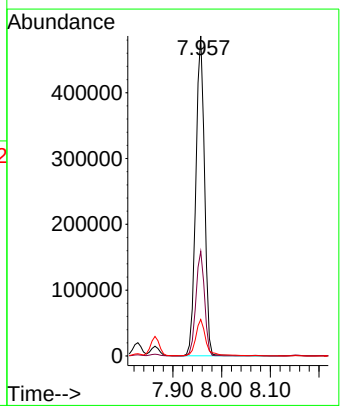


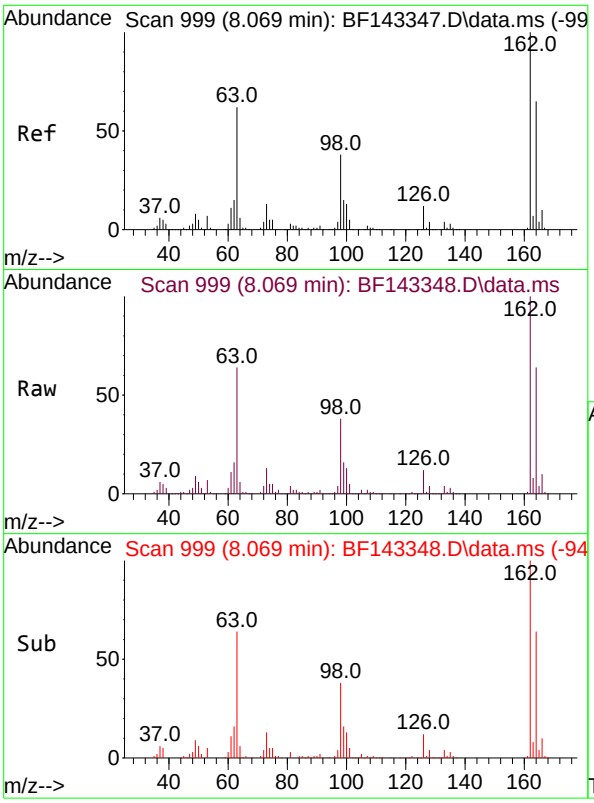


#28
bis(2-Chloroethoxy)methane
Concen: 47.865 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 93 Resp: 608760

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	11.4	9.4	14.2



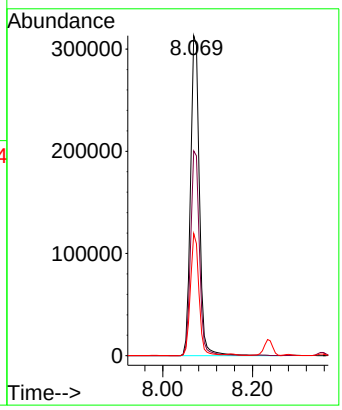


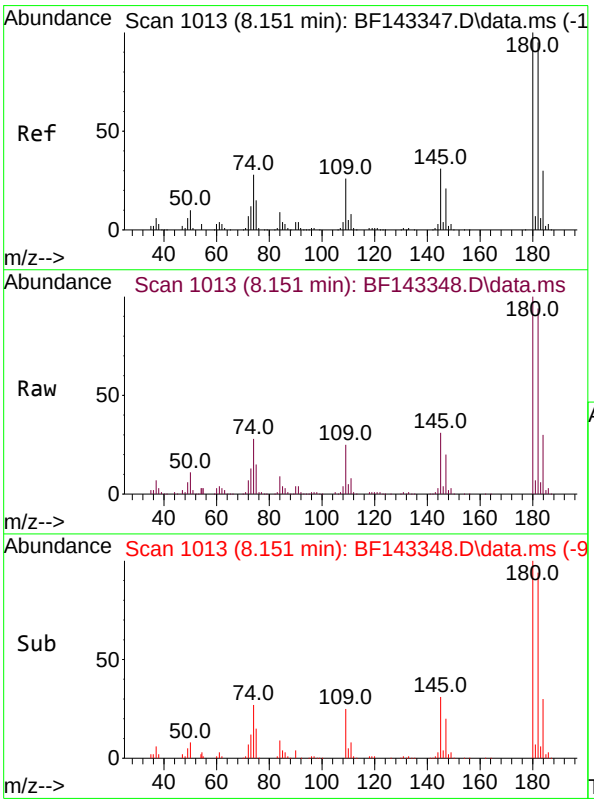
#29
2,4-Dichlorophenol
Concen: 50.485 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 428530

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.5	84.5
98	38.1	17.7	57.7

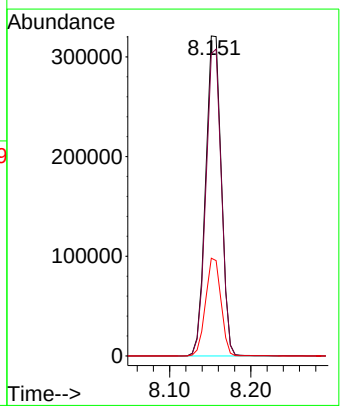


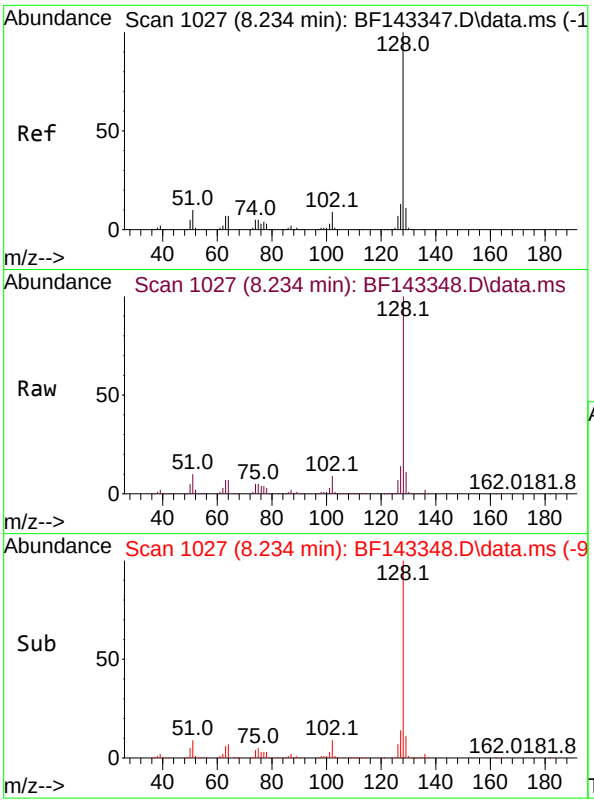


#30
1,2,4-Trichlorobenzene
Concen: 47.795 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:180 Resp: 427946

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	30.6	24.9	37.3



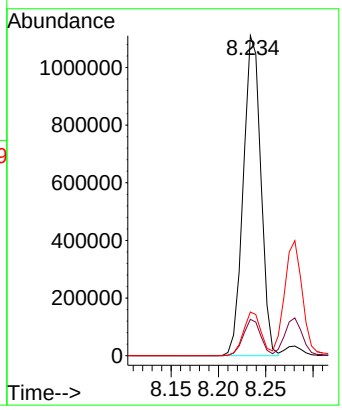


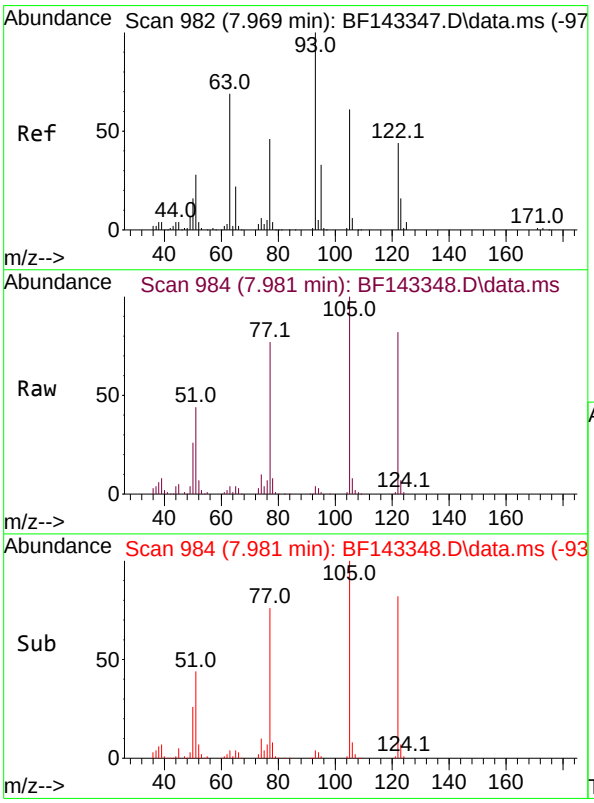
#31
Naphthalene
Concen: 46.809 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1431280

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.6	10.7	16.1

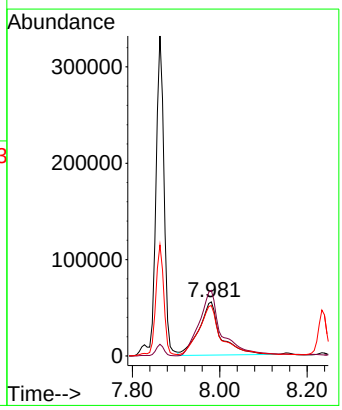


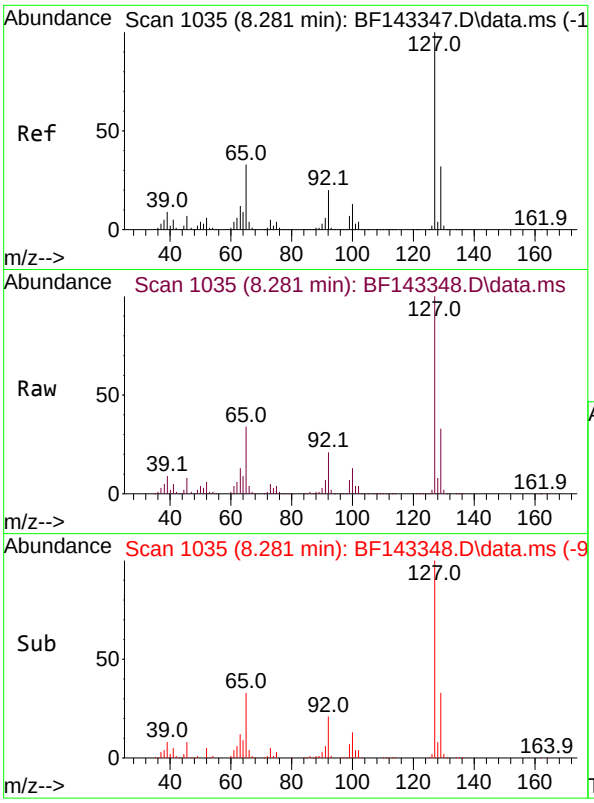


#32
Benzoic acid
Concen: 49.943 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:122 Resp: 191072

Ion	Ratio	Lower	Upper
122	100		
105	121.5	106.4	146.4
77	93.2	79.2	119.2



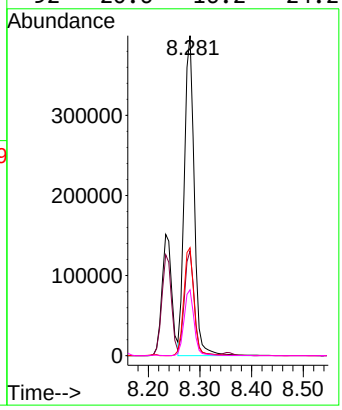


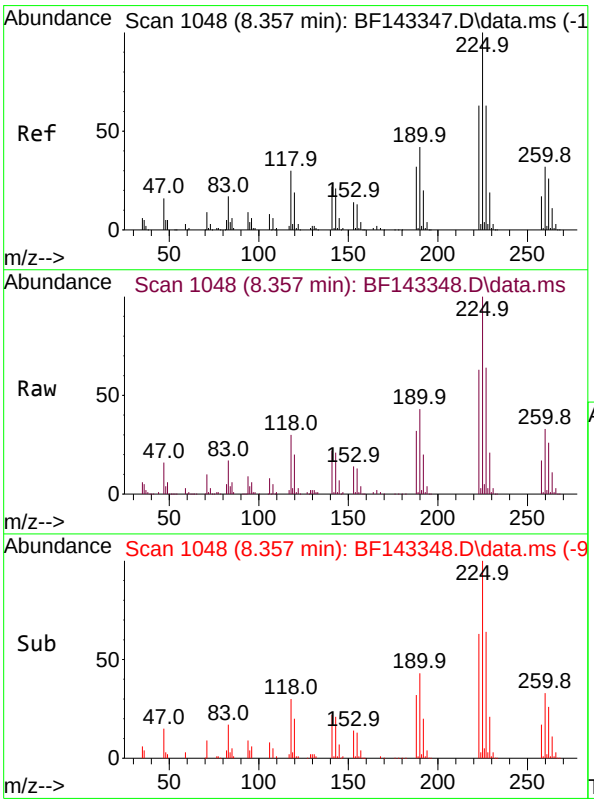
#33
4-Chloroaniline
Concen: 48.171 ng
RT: 8.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 531257

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.0	39.0
65	33.7	27.0	40.4
92	20.6	16.2	24.2

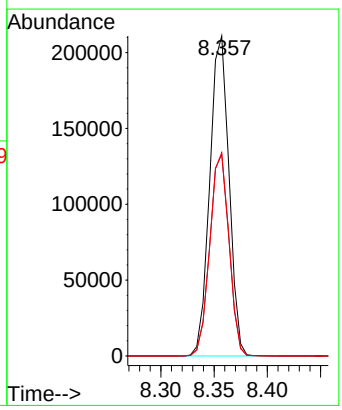


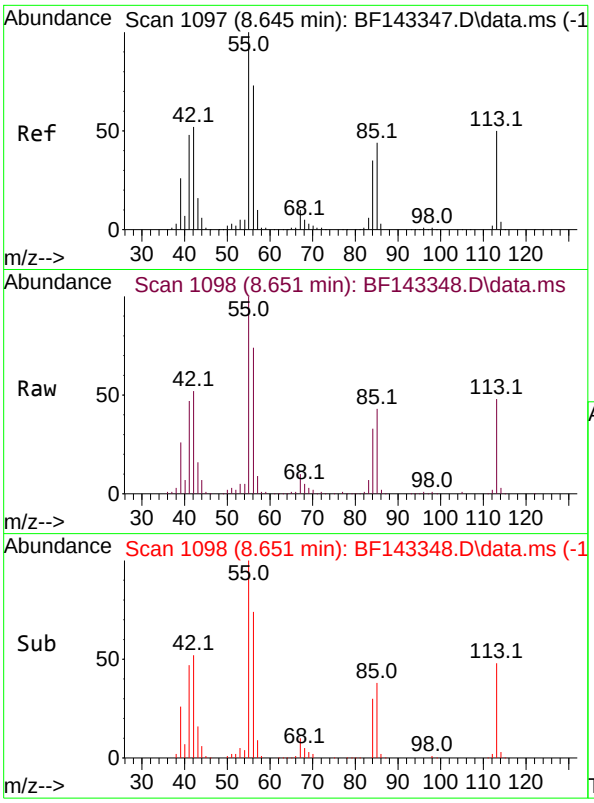


#34
Hexachlorobutadiene
Concen: 47.488 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:225 Resp: 264501

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.6	50.6	75.8



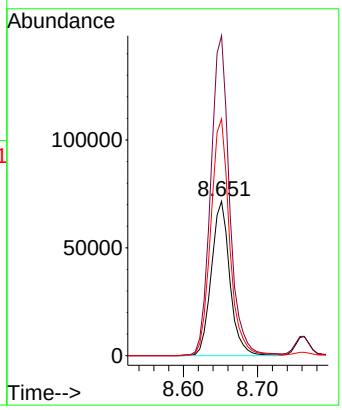


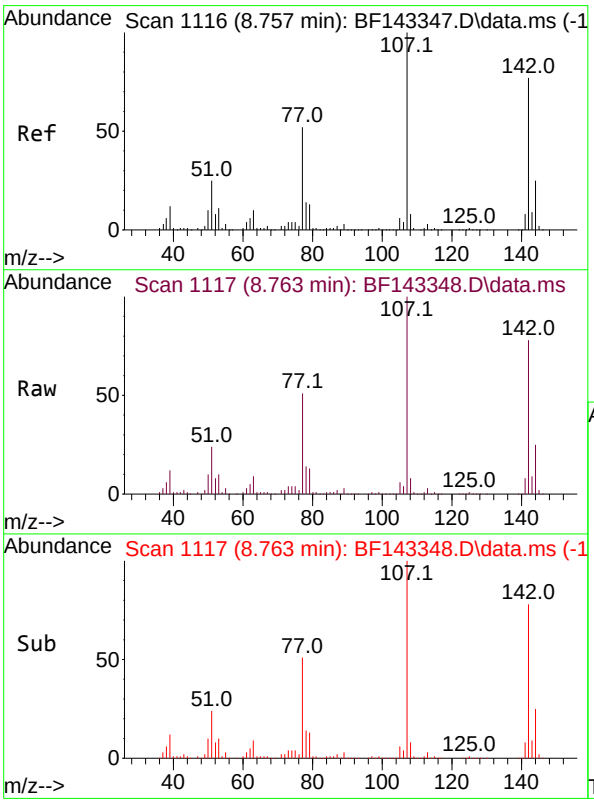
#35
Caprolactam
Concen: 51.952 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 123969

Ion	Ratio	Lower	Upper
113	100		
55	207.2	181.4	221.4
56	153.3	127.3	167.3

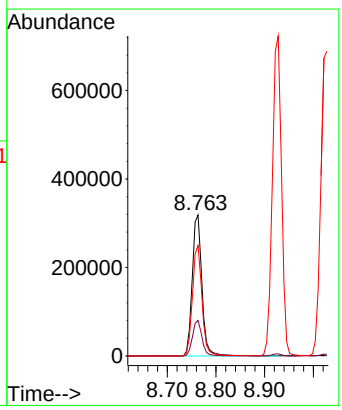


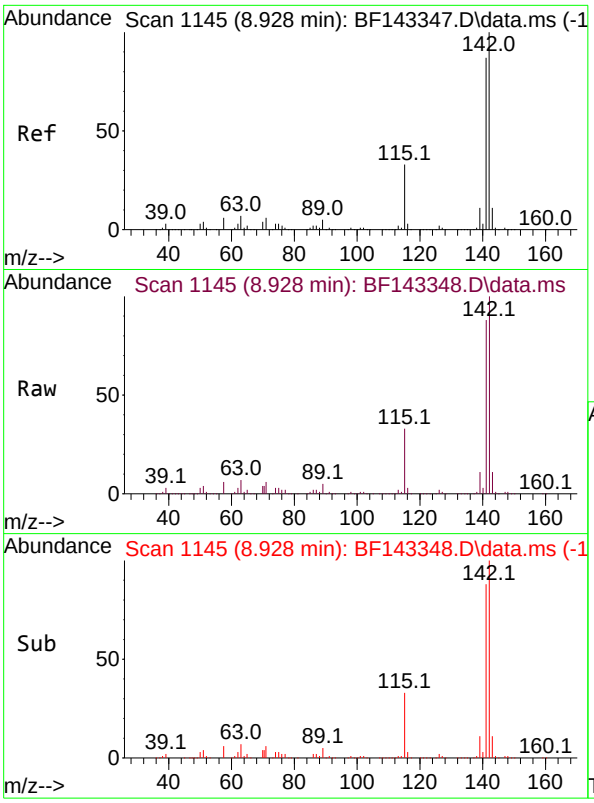


#36
4-Chloro-3-methylphenol
Concen: 49.741 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:107 Resp: 442622

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.0	30.0
142	78.4	61.3	91.9



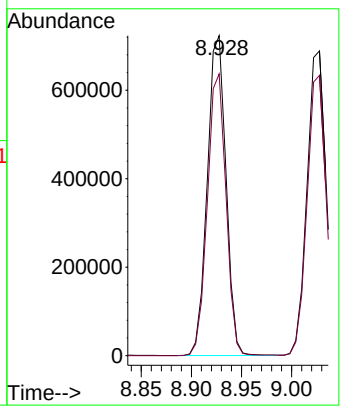


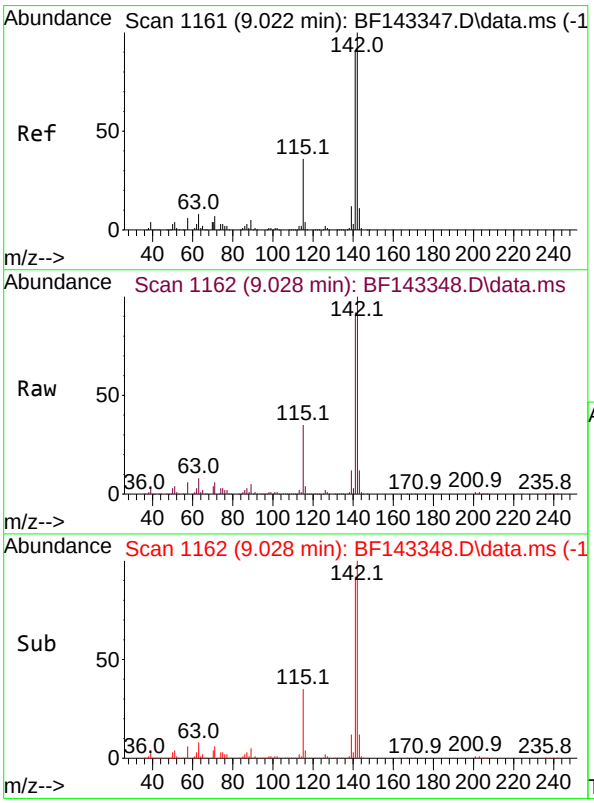
#37
2-Methylnaphthalene
Concen: 46.712 ng
RT: 8.928 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 938982

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.8	104.8

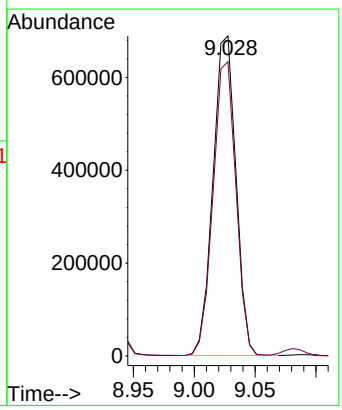


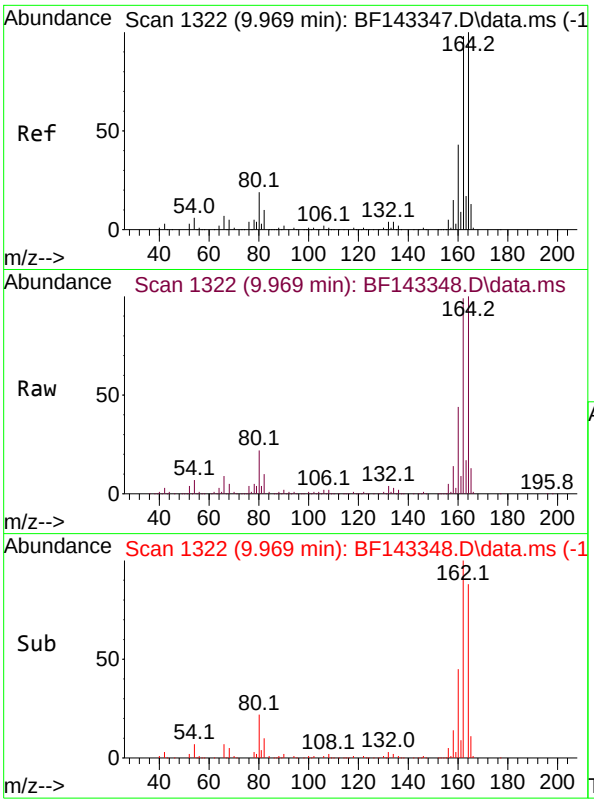


#38
1-Methylnaphthalene
Concen: 46.606 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:142 Resp: 902313

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.0	109.4



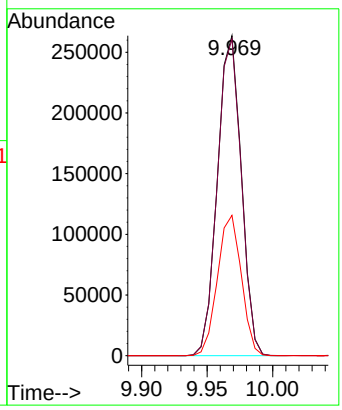


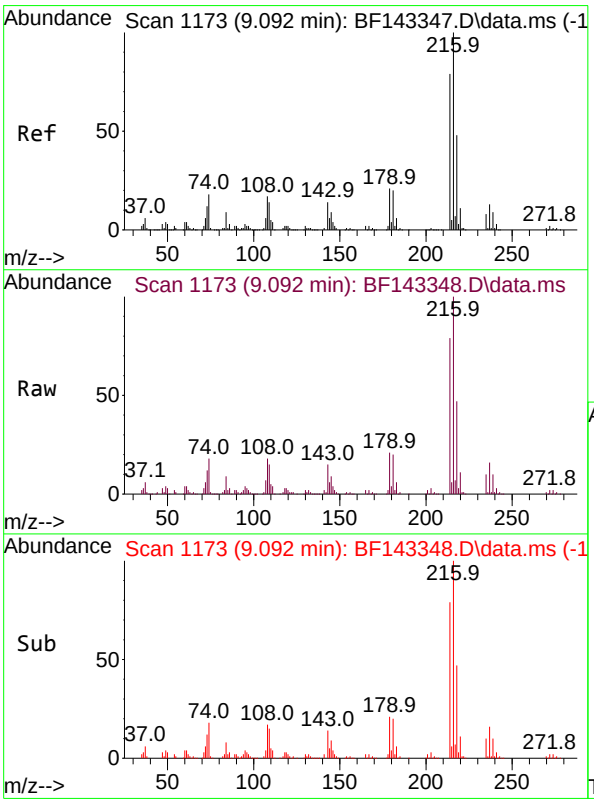
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 333763

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.6	118.0
160	43.8	34.4	51.6

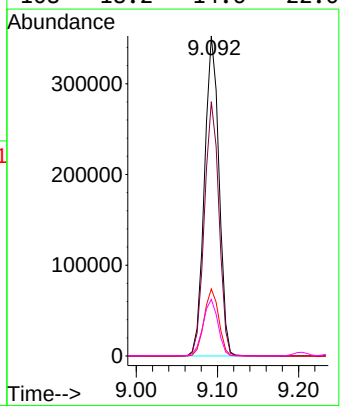


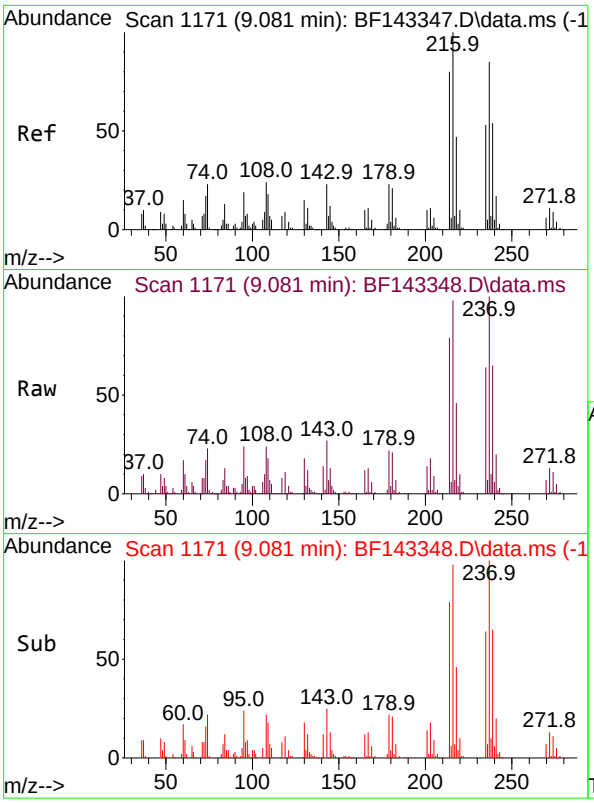


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.877 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:216 Resp: 437268

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.0	94.4
179	20.9	17.0	25.4
108	18.2	14.6	22.0



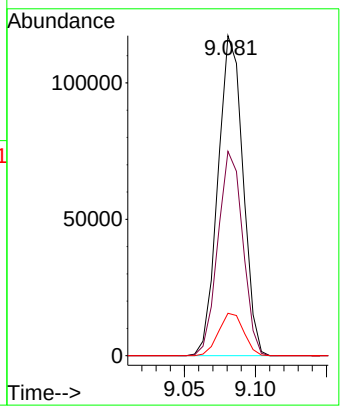


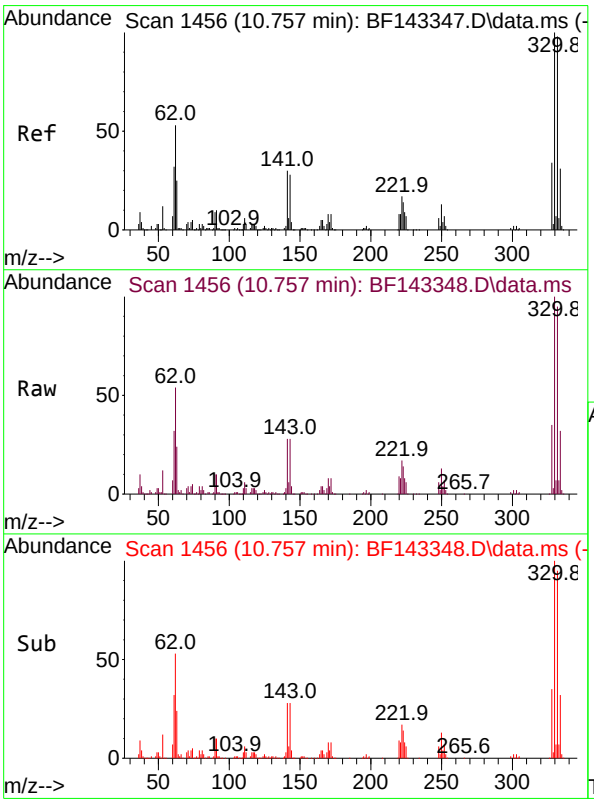
#41
Hexachlorocyclopentadiene
Concen: 47.474 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 143487

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.0	82.0
272	13.3	0.0	32.6

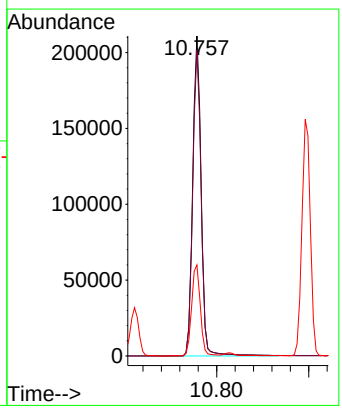


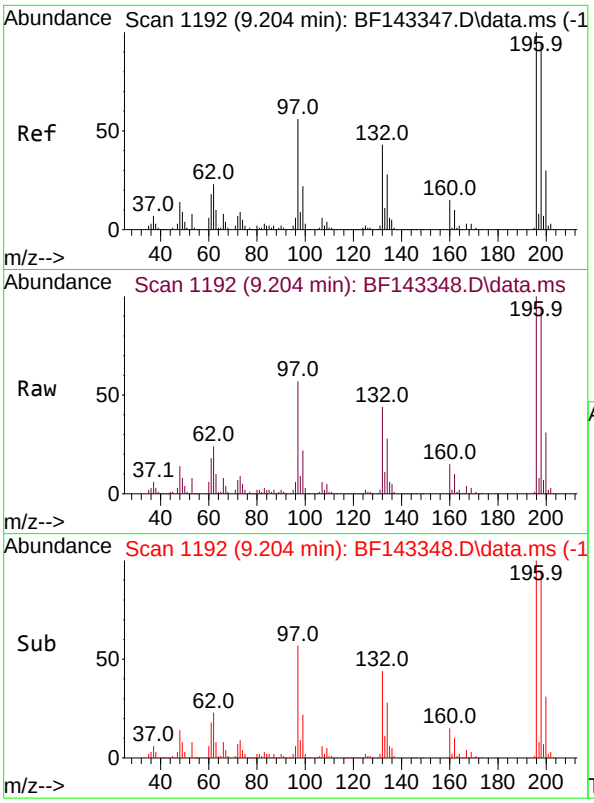


#42
2,4,6-Tribromophenol
Concen: 109.378 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:330 Resp: 266796

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.1	117.1
141	29.6	25.4	38.0



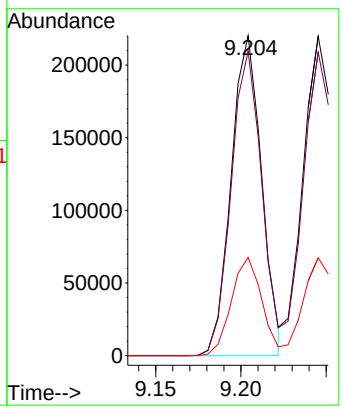


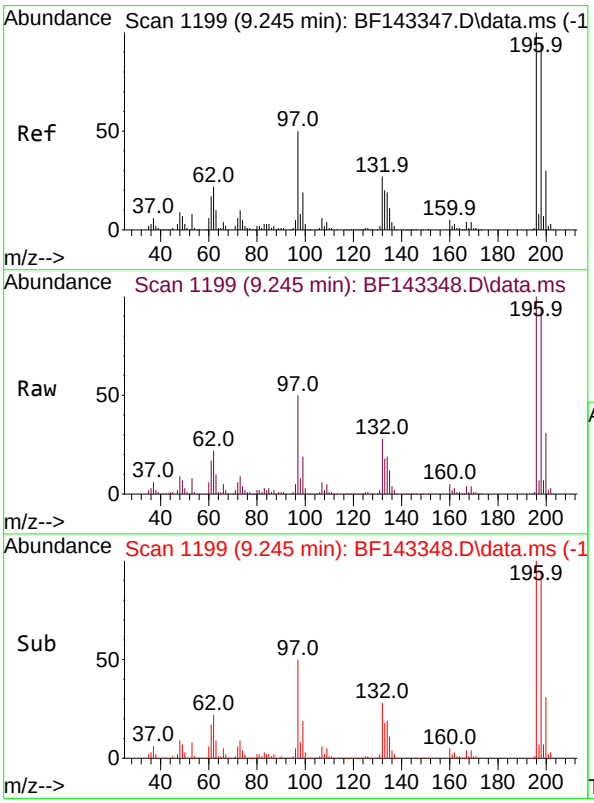
#43
2,4,6-Trichlorophenol
Concen: 52.773 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 273471

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.0
200	30.7	24.3	36.5

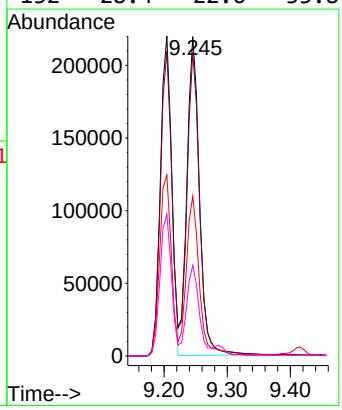


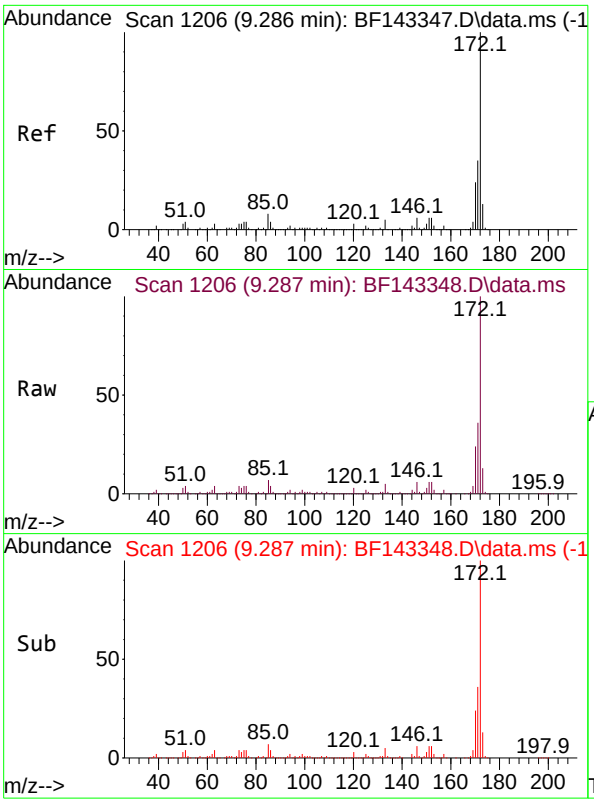


#44
2,4,5-Trichlorophenol
Concen: 51.948 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:196 Resp: 303993

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
97	50.0	39.9	59.9
132	28.4	22.6	33.8



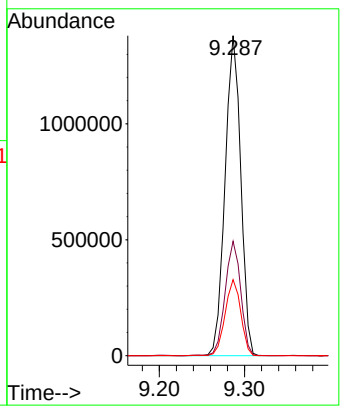


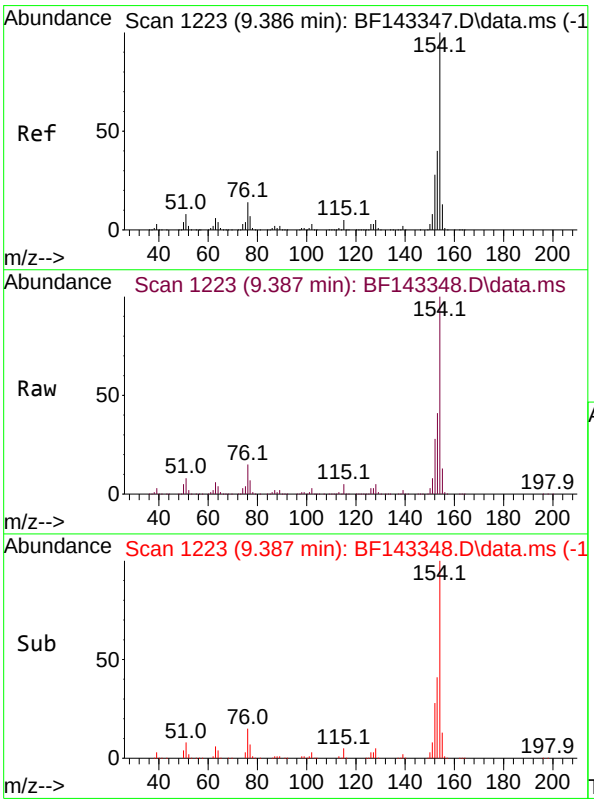
#45
2-Fluorobiphenyl
Concen: 89.893 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1769302

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.8	19.1	28.7

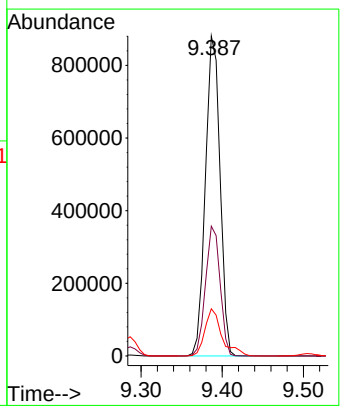


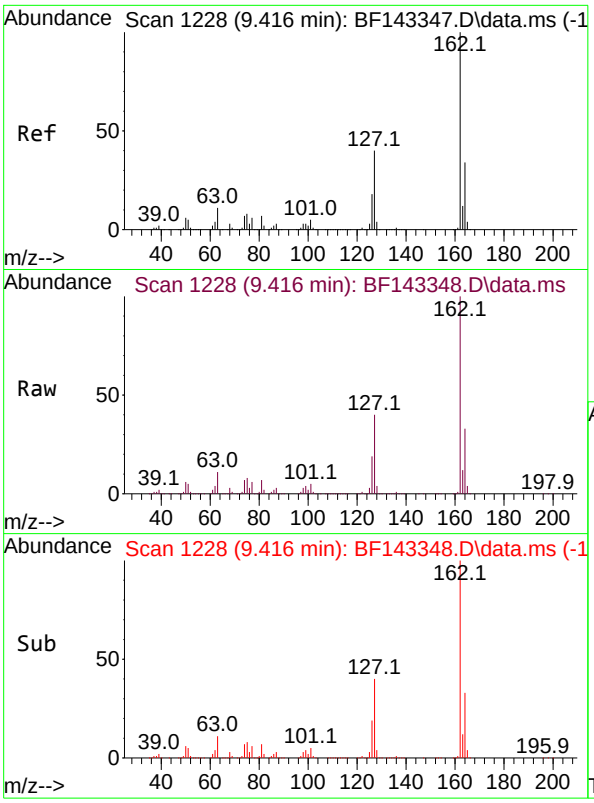


#46
1,1'-Biphenyl
Concen: 46.558 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:154 Resp: 1098727

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.2	60.2
76	14.8	0.0	34.4



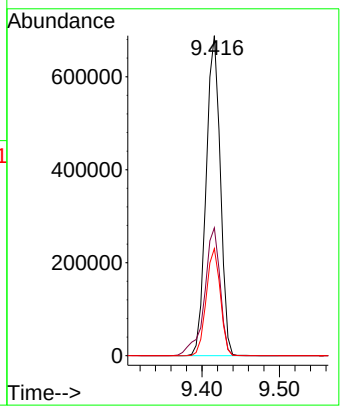


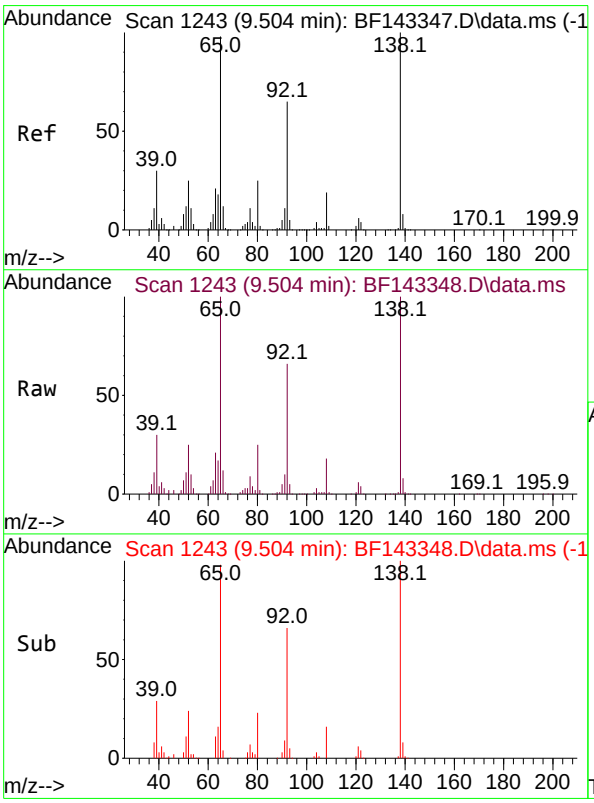
#47
2-Chloronaphthalene
Concen: 46.944 ng
RT: 9.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 872497

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.1	48.1
164	33.5	27.0	40.4

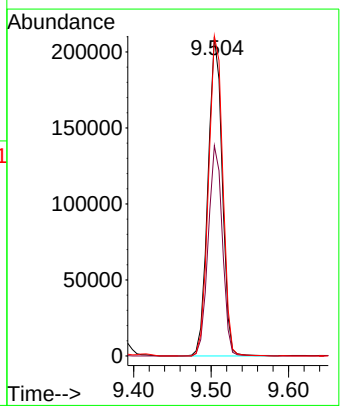


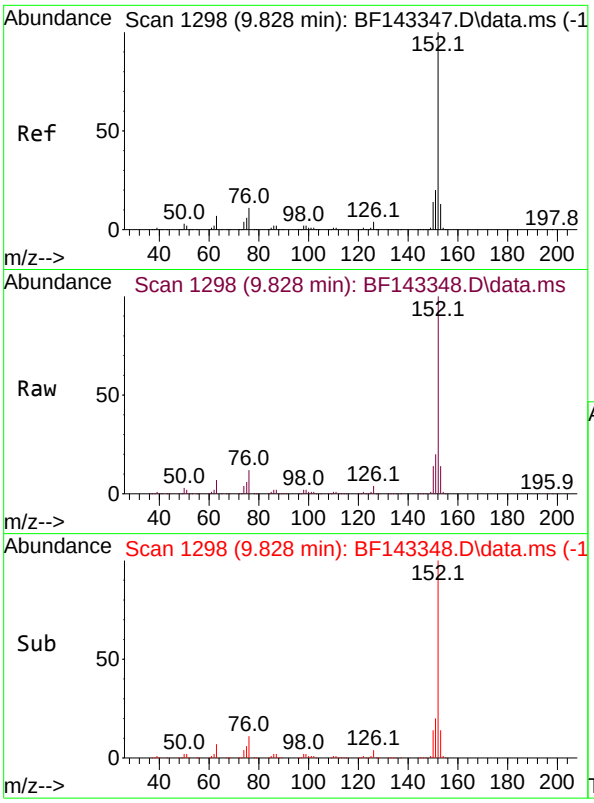


#48
2-Nitroaniline
Concen: 49.816 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion: 65 Resp: 267630

Ion	Ratio	Lower	Upper
65	100		
92	66.0	53.1	79.7
138	100.4	81.4	122.0



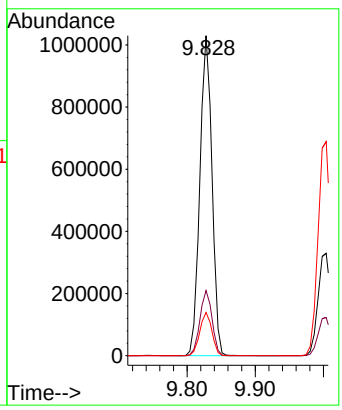


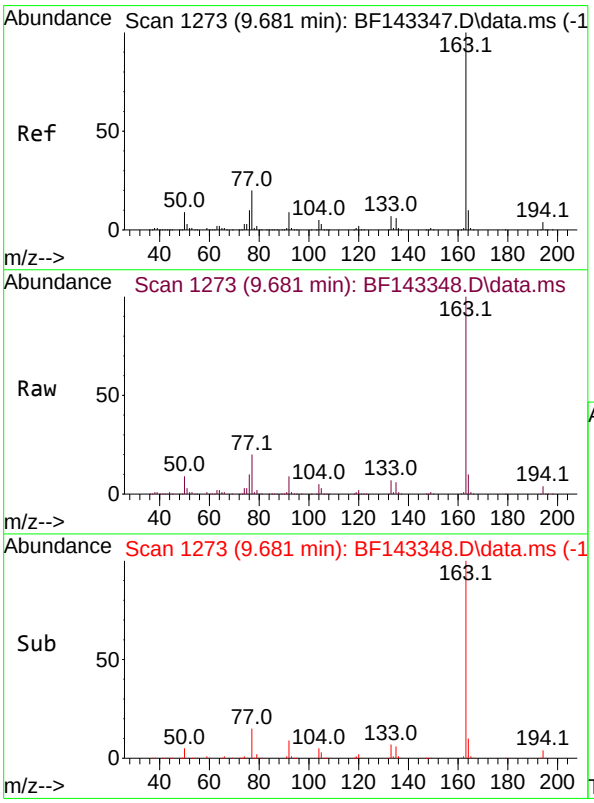
#49
Acenaphthylene
Concen: 47.424 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1272878

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.5	10.6	16.0

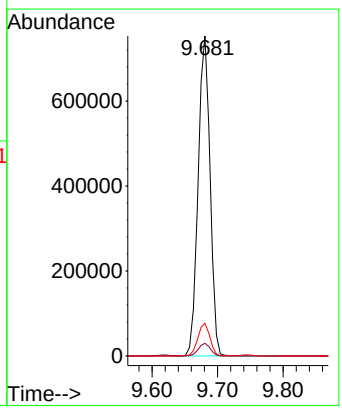


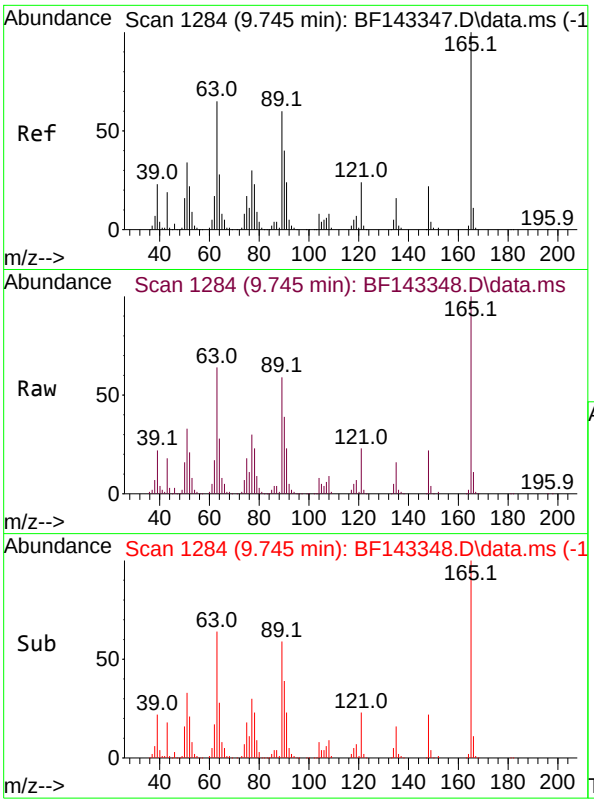


#50
Dimethylphthalate
Concen: 48.946 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:163 Resp: 954560

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.2	12.2



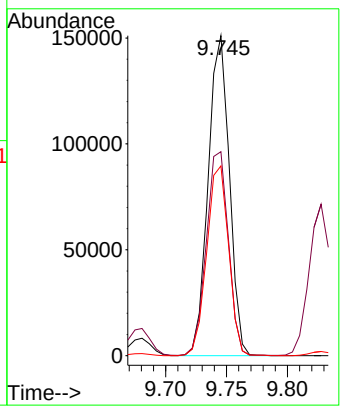


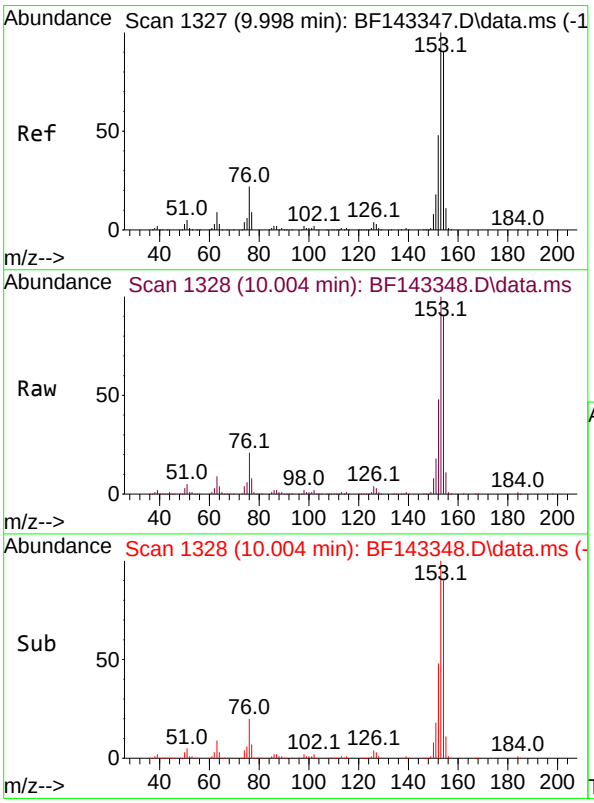
#51
2,6-Dinitrotoluene
Concen: 49.400 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 182648

Ion	Ratio	Lower	Upper
165	100		
63	63.7	51.6	77.4
89	59.3	47.7	71.5

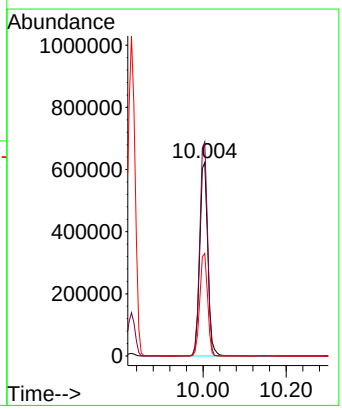


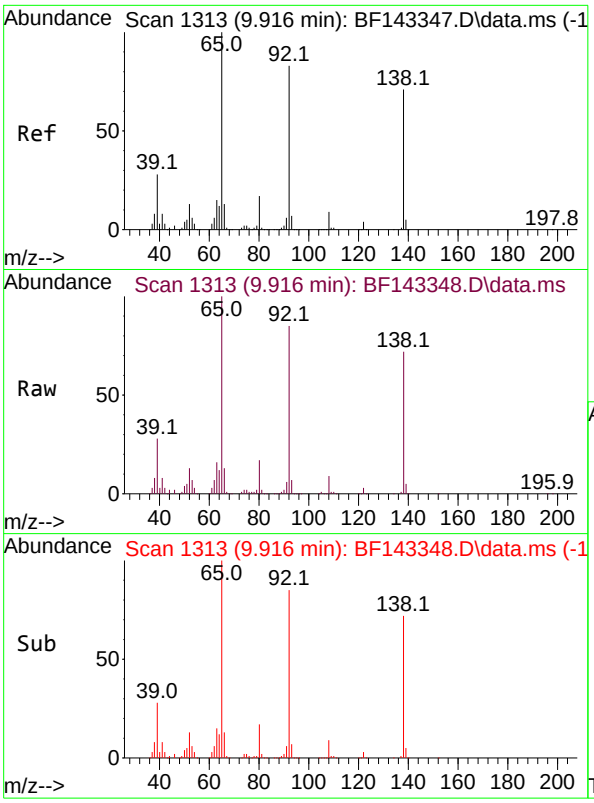


#52
Acenaphthene
Concen: 47.334 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:154 Resp: 844612

Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.5	132.7
152	53.0	42.4	63.6



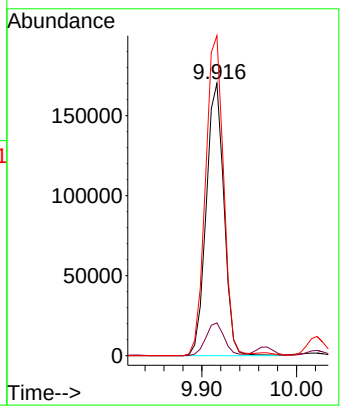


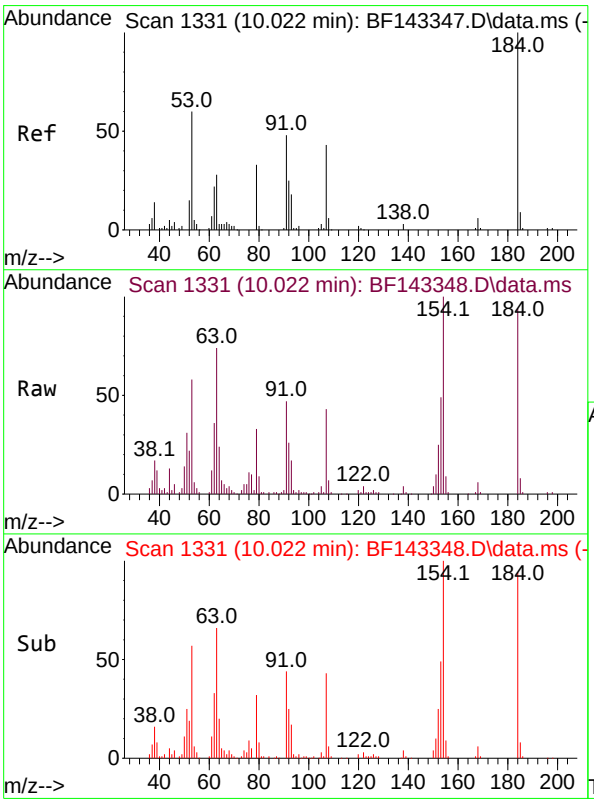
#53
3-Nitroaniline
Concen: 55.316 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 220926

Ion	Ratio	Lower	Upper
138	100		
108	12.0	9.6	14.4
92	117.5	93.4	140.2

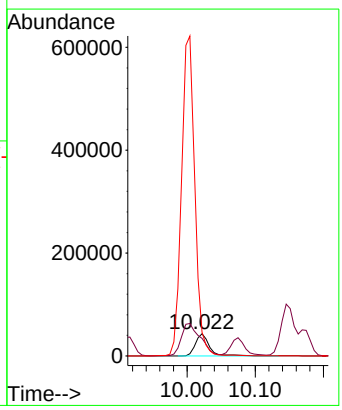


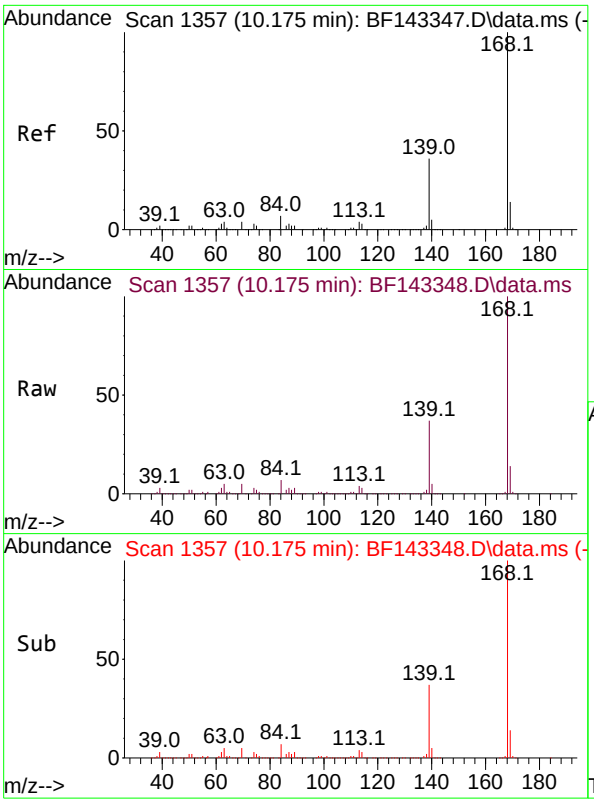


#54
2,4-Dinitrophenol
Concen: 49.460 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:184 Resp: 61169

Ion	Ratio	Lower	Upper
184	100		
63	79.2	62.5	93.7
154	106.6	73.0	109.4



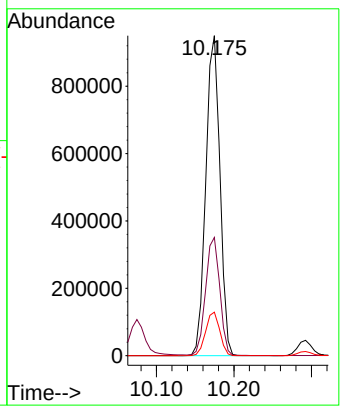


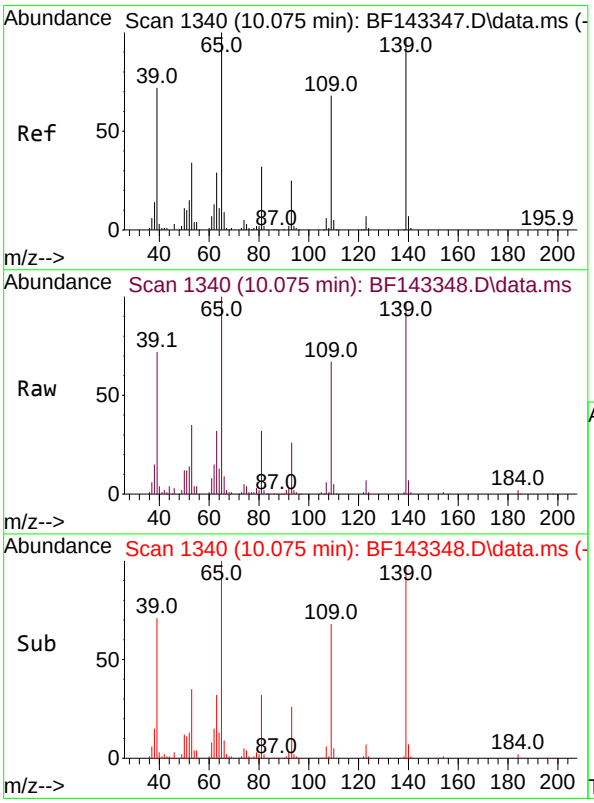
#55
Dibenzofuran
Concen: 46.725 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1199947

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.4	44.0
169	13.6	11.0	16.6

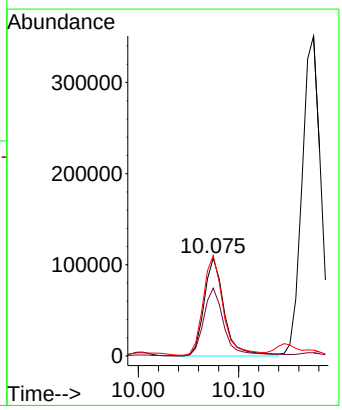


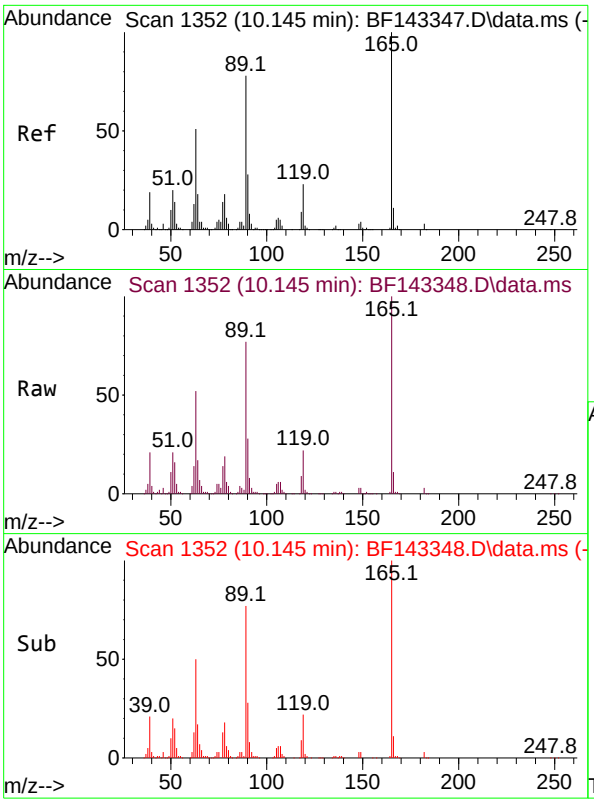


#56
4-Nitrophenol
Concen: 49.286 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:139 Resp: 150114

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	102.9	83.7	123.7



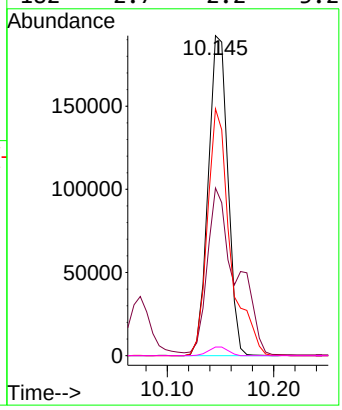


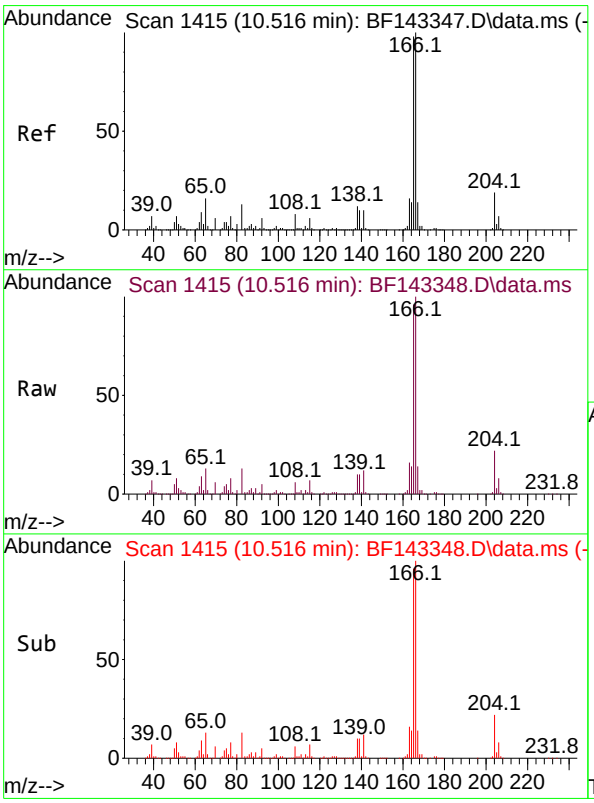
#57
2,4-Dinitrotoluene
Concen: 50.215 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 246635

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.8	62.8
89	77.1	62.4	93.6
182	2.7	2.2	3.2

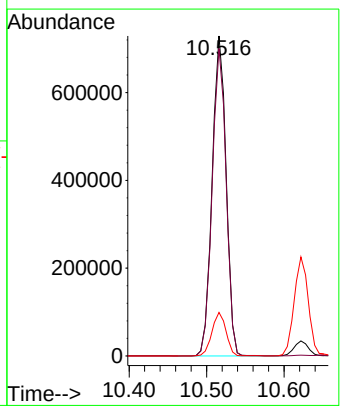


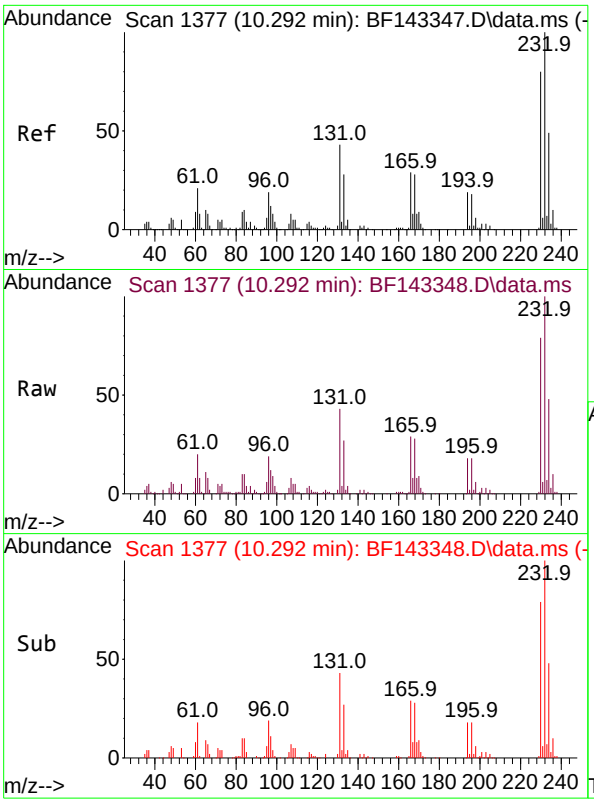


#58
Fluorene
Concen: 46.411 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:166 Resp: 910380

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.2	117.4
167	13.6	10.9	16.3



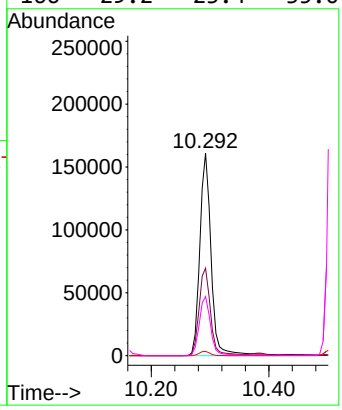


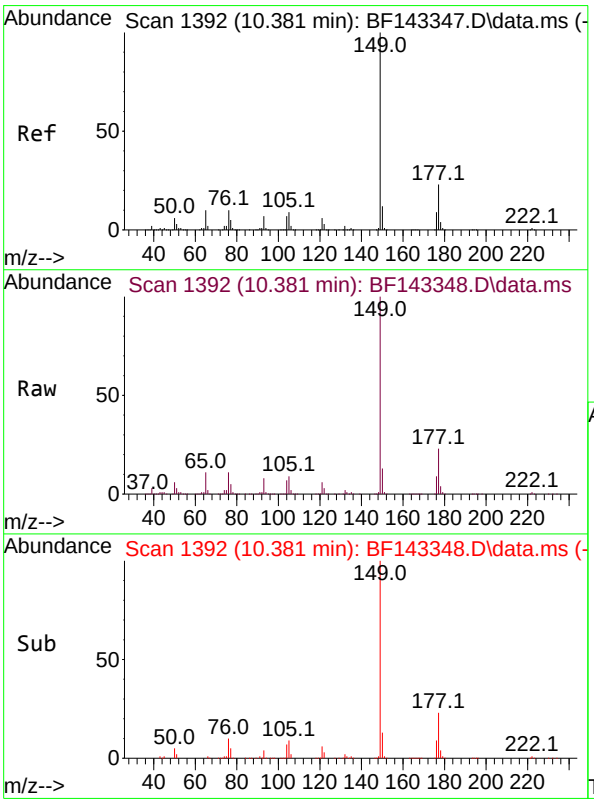
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.543 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 215158

Ion	Ratio	Lower	Upper
232	100		
131	43.7	34.6	51.8
130	2.1	1.7	2.5
166	29.2	23.4	35.0

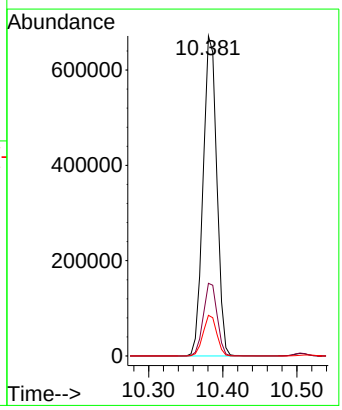


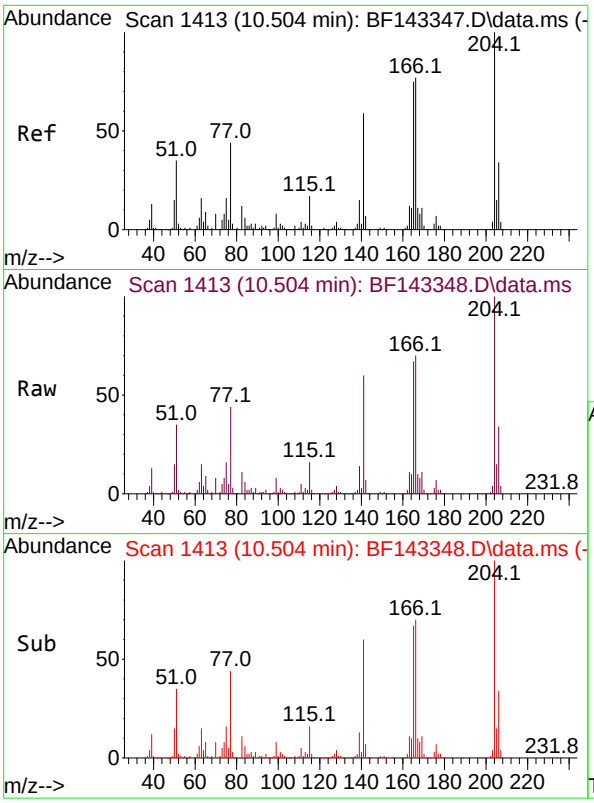


#60
Diethylphthalate
Concen: 49.540 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 865395

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.7	9.9	14.9



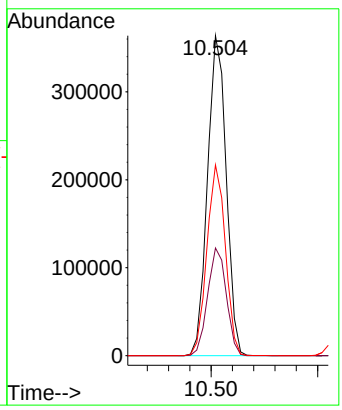


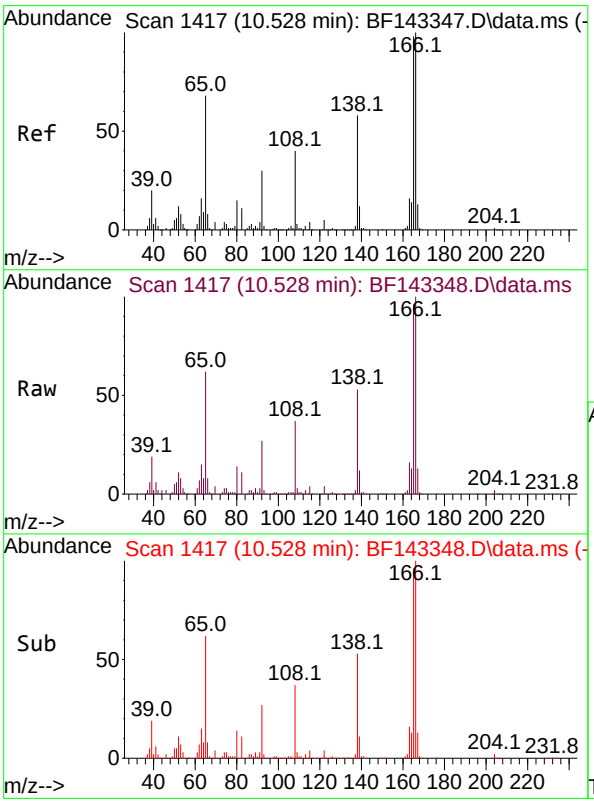
#61
4-Chlorophenyl-phenylether
Concen: 46.885 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 444383

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.4	41.2
141	59.6	46.9	70.3

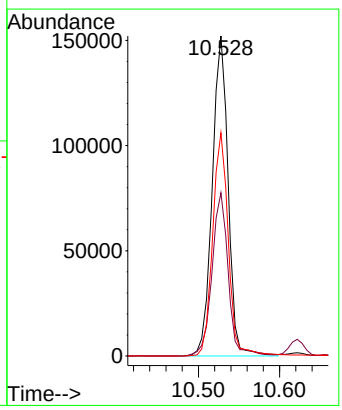


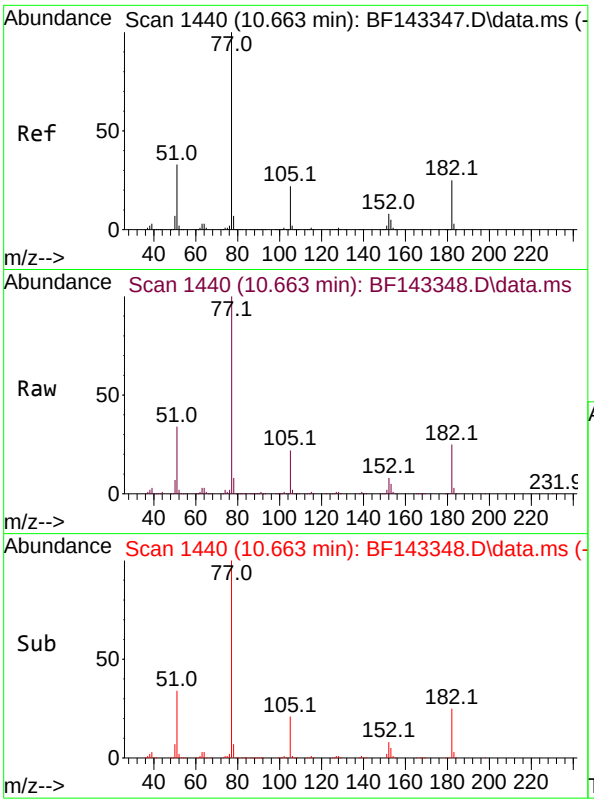


#62
4-Nitroaniline
Concen: 53.618 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:138 Resp: 207188

Ion	Ratio	Lower	Upper
138	100		
92	51.0	31.2	71.2
108	69.7	48.1	88.1



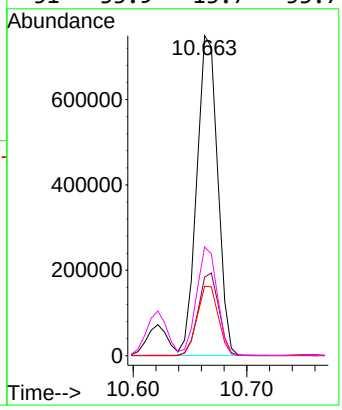


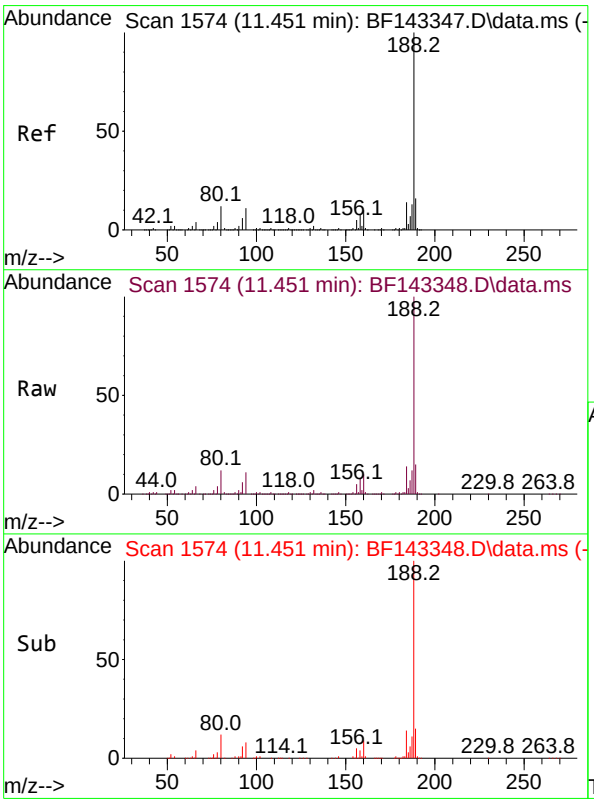
#63
Azobenzene
Concen: 47.978 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 957306

Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.4	44.4
105	21.7	1.8	41.8
51	33.9	13.7	53.7

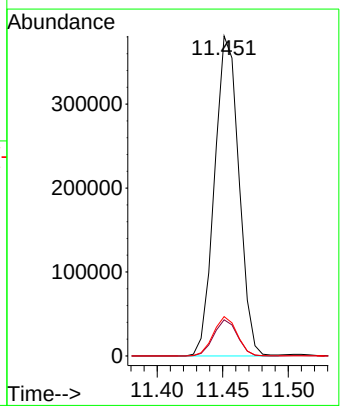


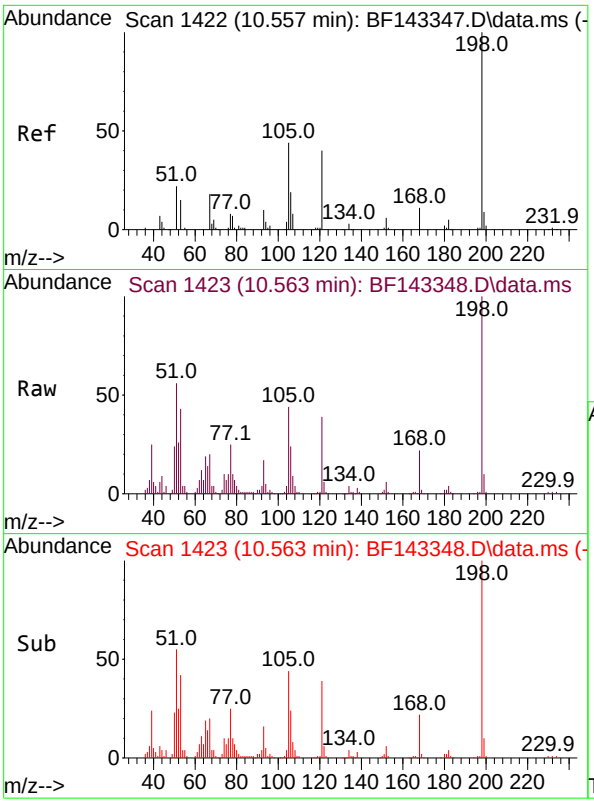


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:188 Resp: 492512

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.8	13.2
80	12.3	9.7	14.5



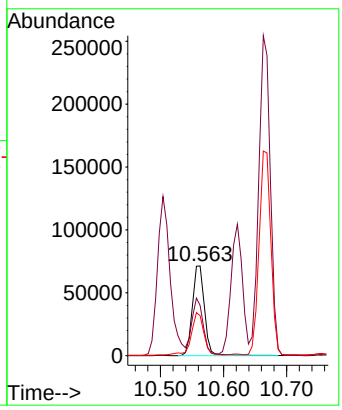


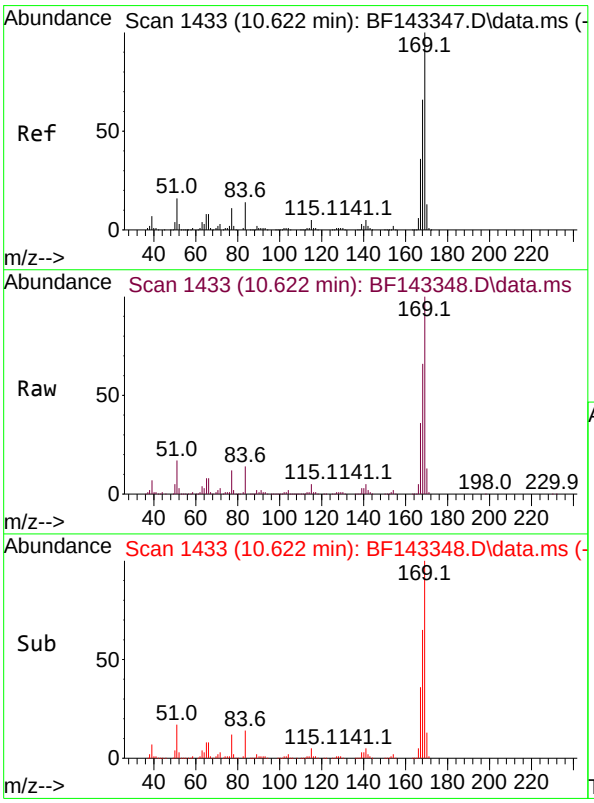
#65
4,6-Dinitro-2-methylphenol
Concen: 47.856 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 95307

Ion	Ratio	Lower	Upper
198	100		
51	56.0	41.7	81.7
105	44.5	26.8	66.8

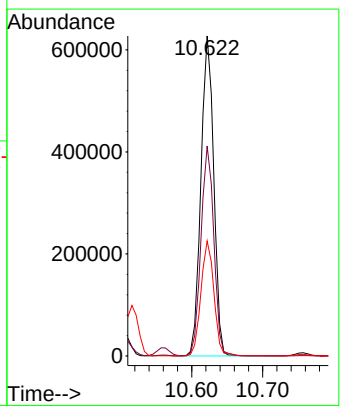


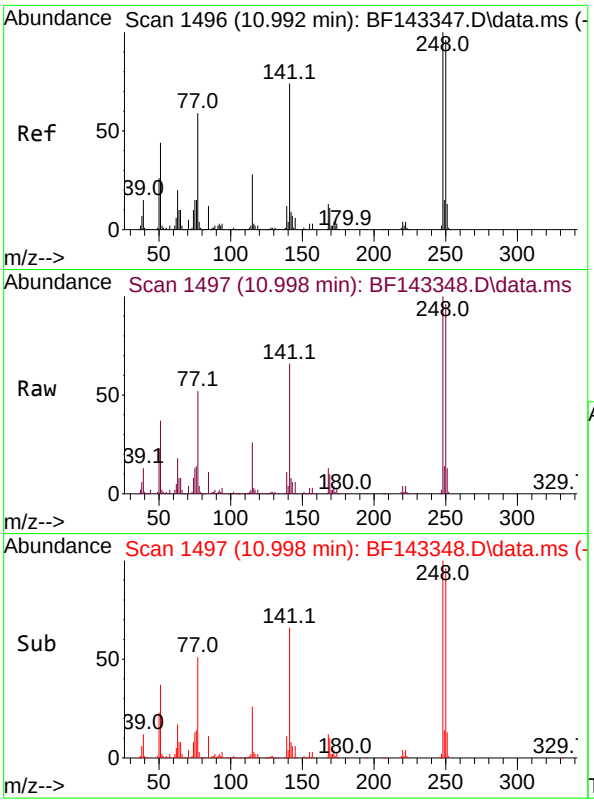


#66
n-Nitrosodiphenylamine
Concen: 48.549 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:169 Resp: 787342

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.7	79.1
167	36.0	28.6	42.8



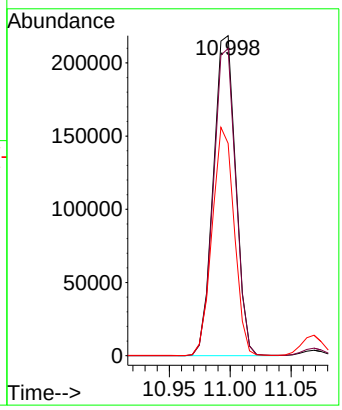


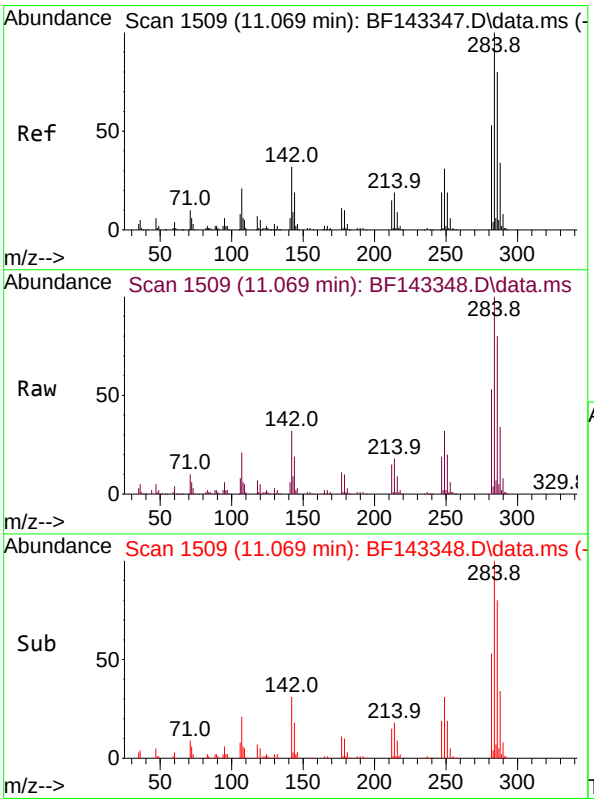
#67
4-Bromophenyl-phenylether
Concen: 49.660 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 279724

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.1	115.7
141	66.3	59.1	88.7

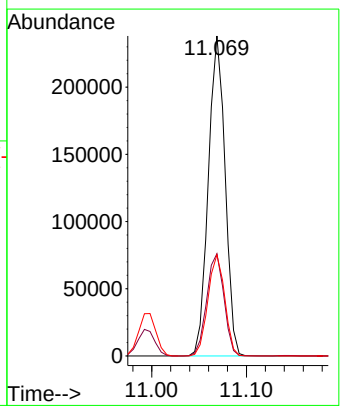


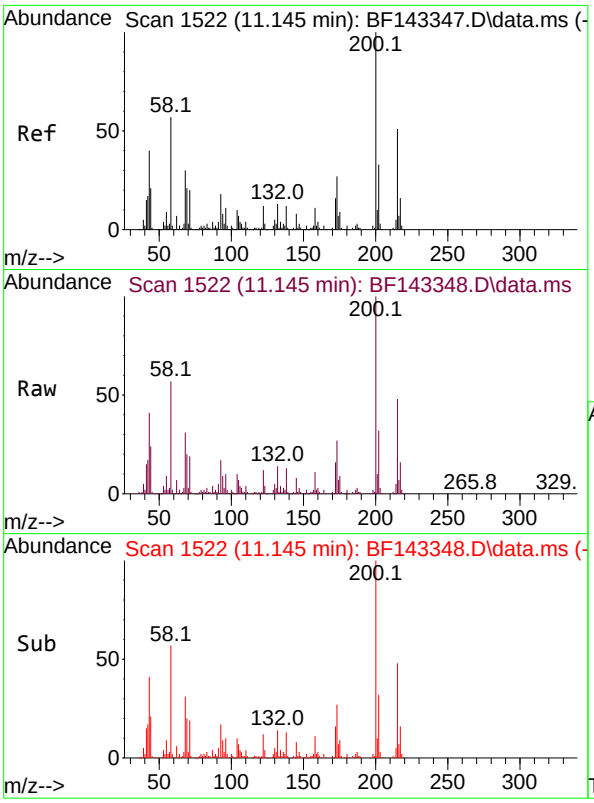


#68
Hexachlorobenzene
Concen: 48.079 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:284 Resp: 291915

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.7	38.5
249	31.6	24.6	37.0



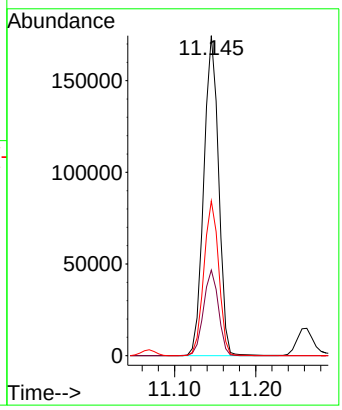


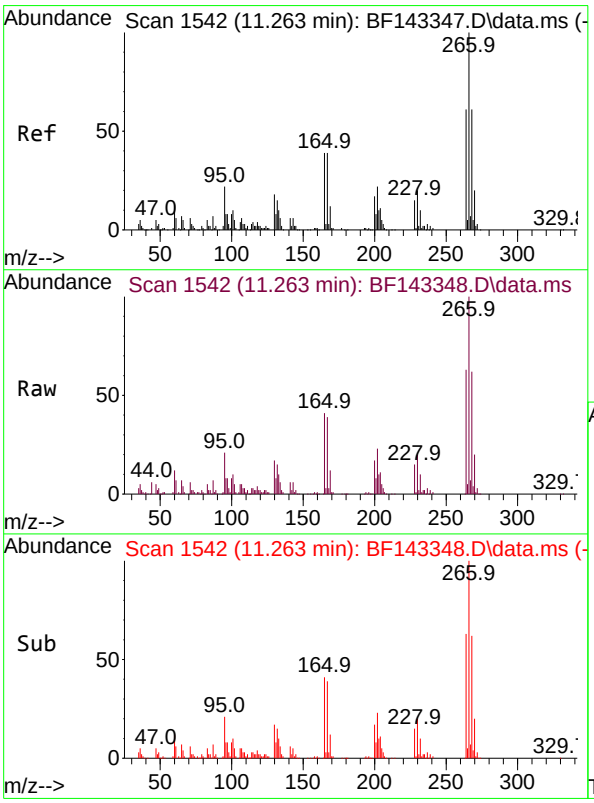
#69
Atrazine
Concen: 52.254 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 221025

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.6	46.6
215	48.4	30.6	70.6

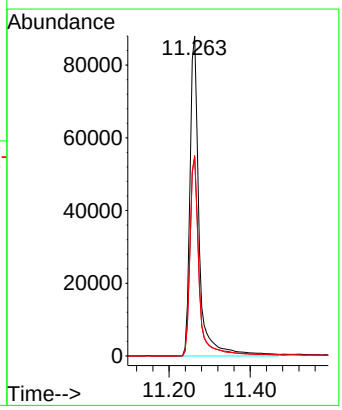


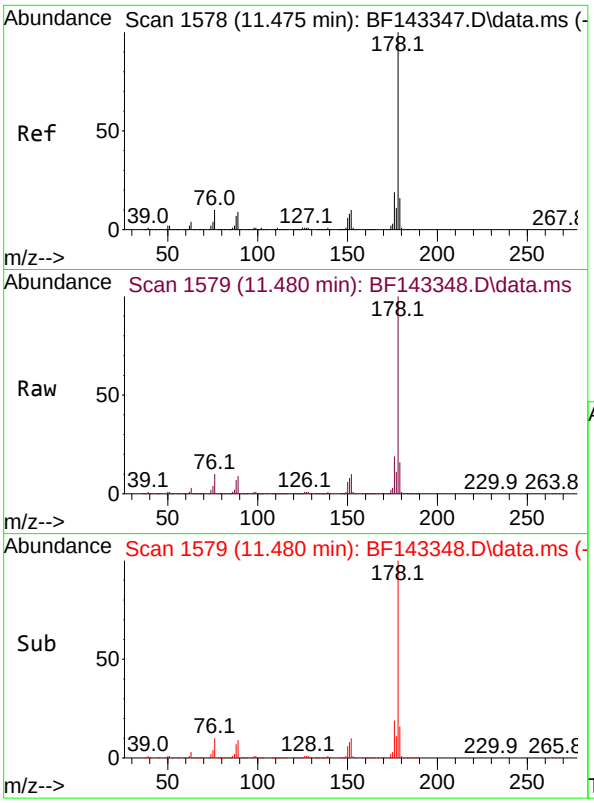


#70
Pentachlorophenol
Concen: 49.342 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:266 Resp: 139359

Ion	Ratio	Lower	Upper
266	100		
268	62.2	48.8	73.2
264	62.6	48.8	73.2



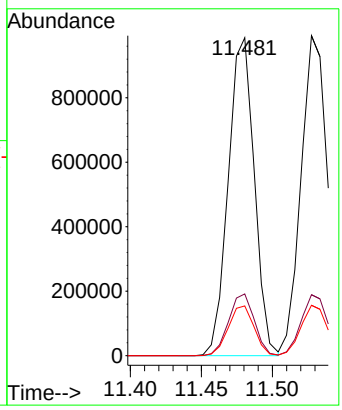


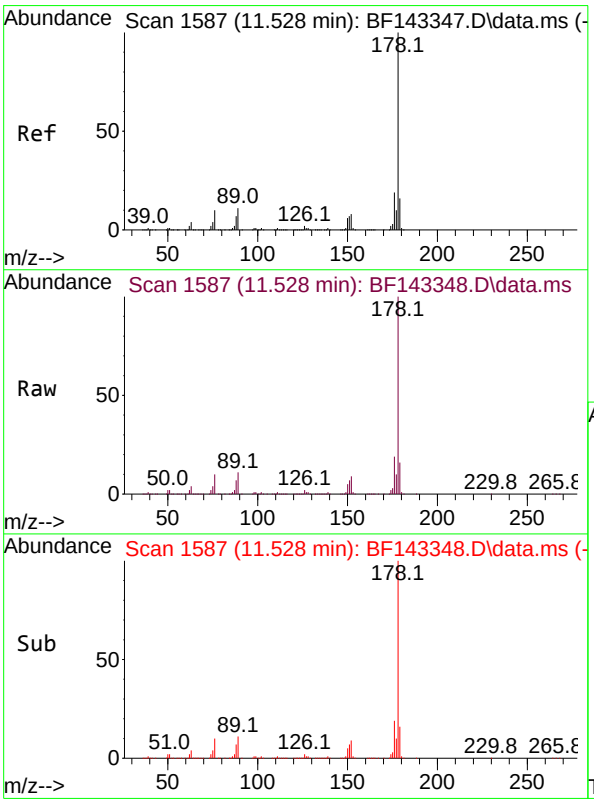
#71
Phenanthrene
Concen: 46.830 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1258386

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.5	18.7

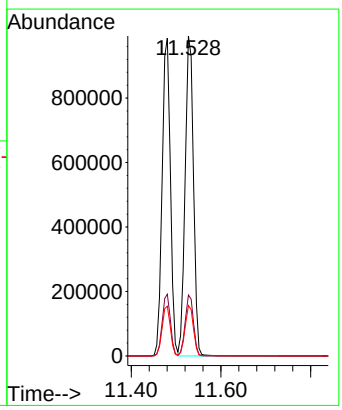


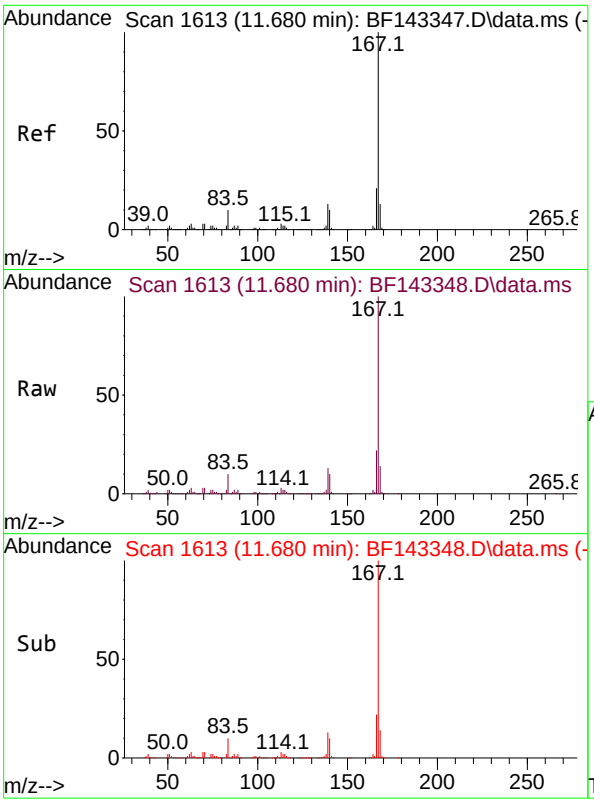


#72
Anthracene
Concen: 47.123 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:178 Resp: 1284165

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.8	12.7	19.1



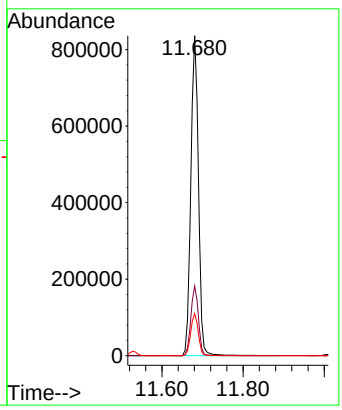


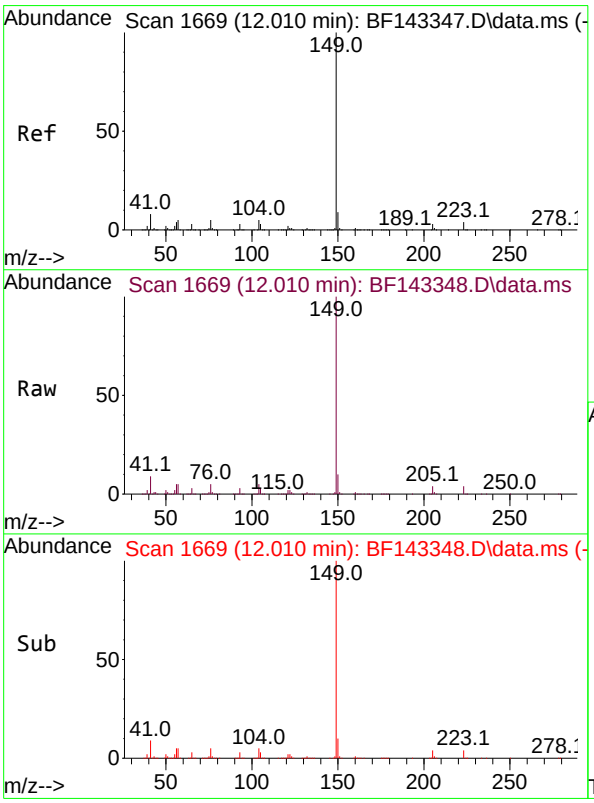
#73
Carbazole
Concen: 46.654 ng
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1082772

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	13.2	10.2	15.2

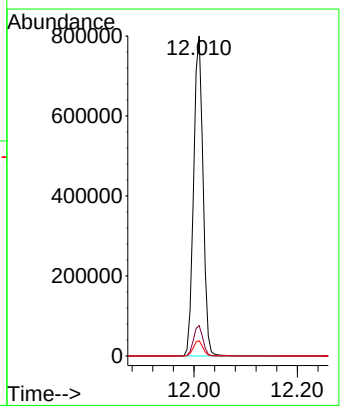


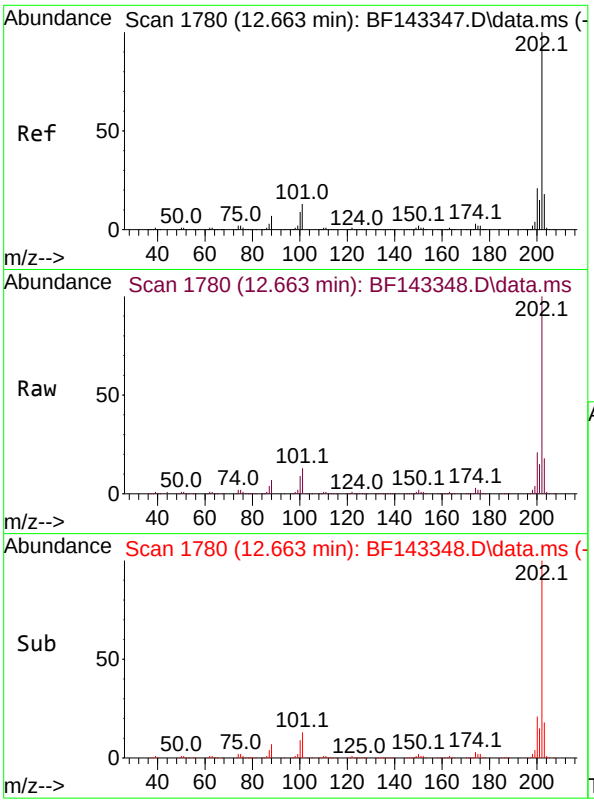


#74
Di-n-butylphthalate
Concen: 51.345 ng
RT: 12.010 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 1008389

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	4.8	3.8	5.8



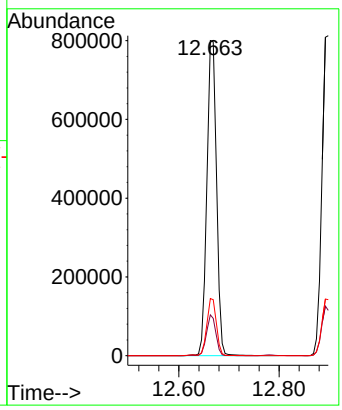


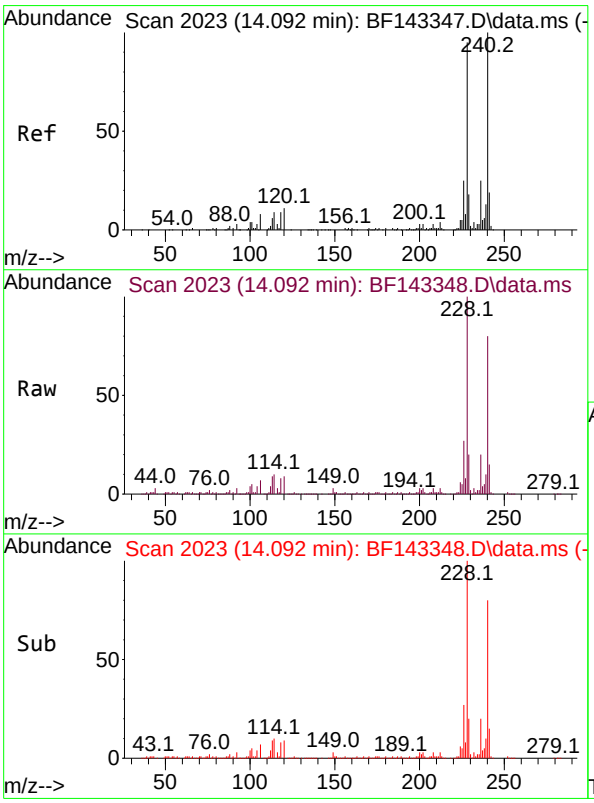
#75
Fluoranthene
Concen: 45.641 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1074315

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	18.1	0.0	37.6

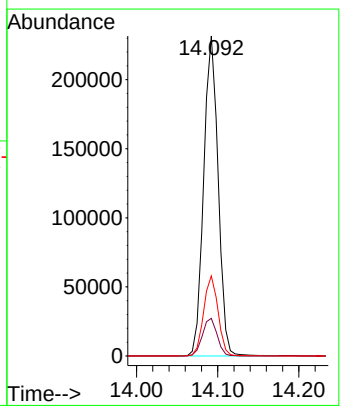


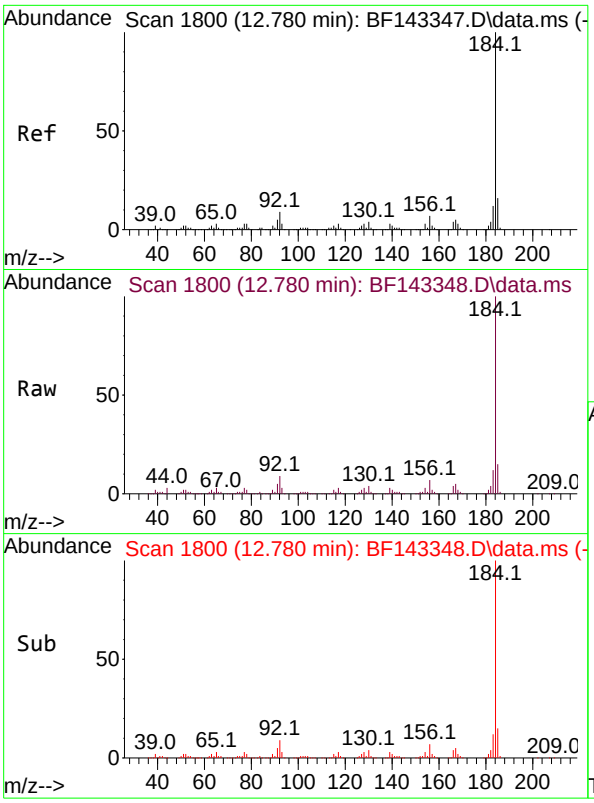


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:240 Resp: 286106

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.0	13.6
236	25.0	19.9	29.9



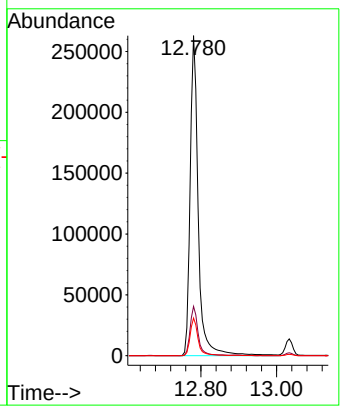


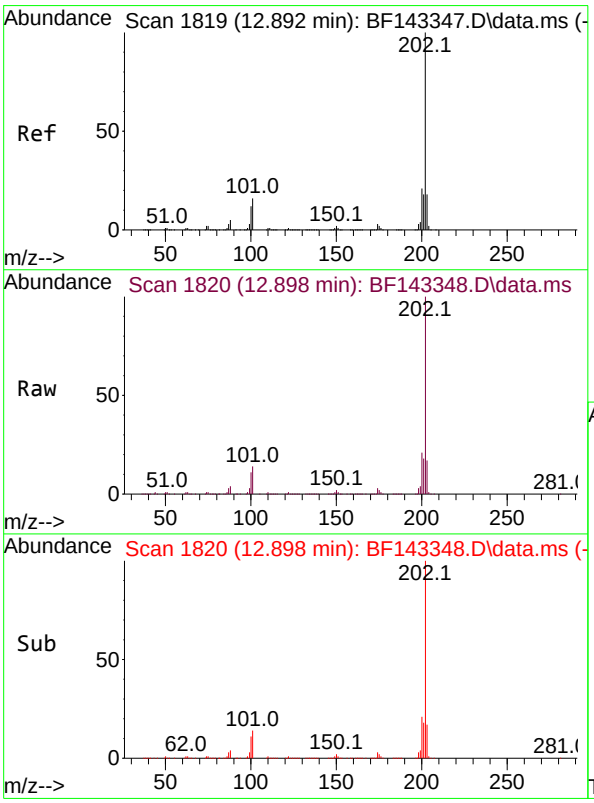
#77
Benzidine
Concen: 50.186 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 392548

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.8	19.2
183	11.7	9.3	13.9

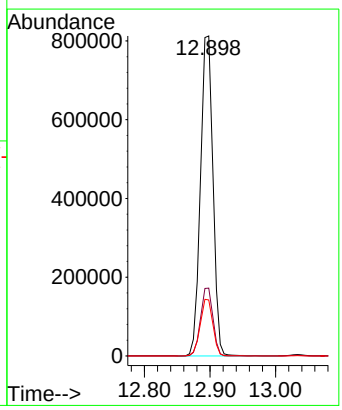


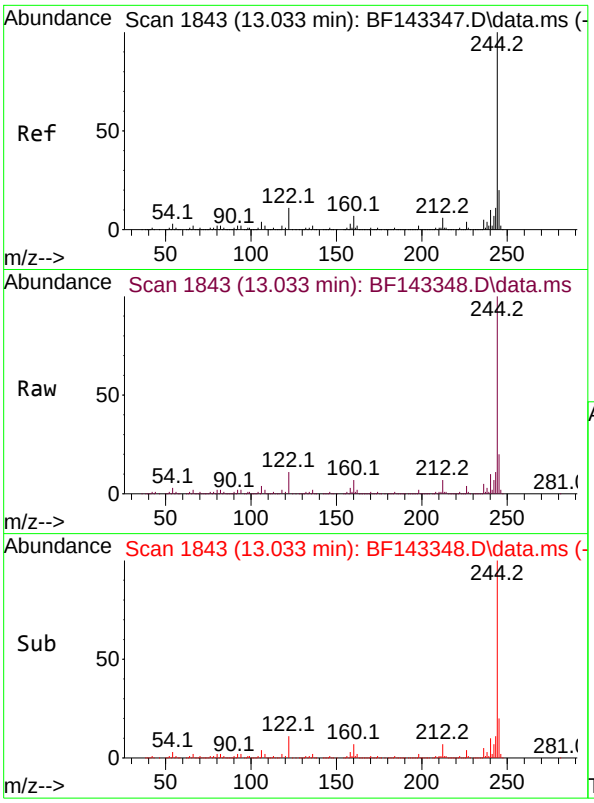


#78
Pyrene
Concen: 45.078 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:202 Resp: 1081940

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.5	14.2	21.4



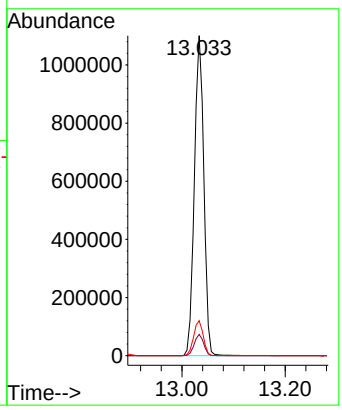


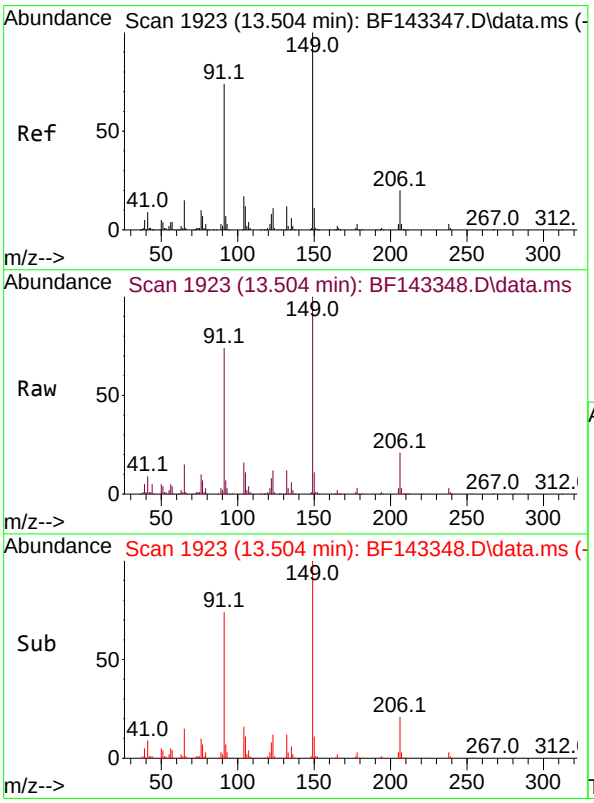
#79
Terphenyl-d14
Concen: 87.090 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1395642

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	10.9	8.9	13.3

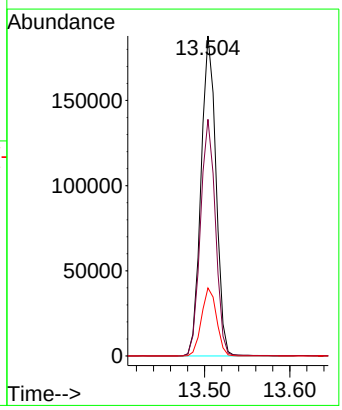


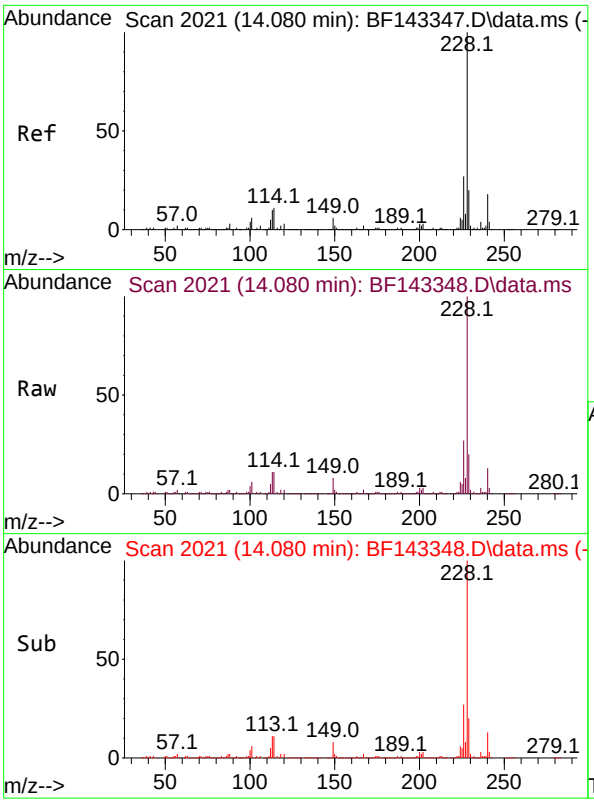


#80
Butylbenzylphthalate
Concen: 48.268 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 229034

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.8	88.2
206	21.3	16.4	24.6



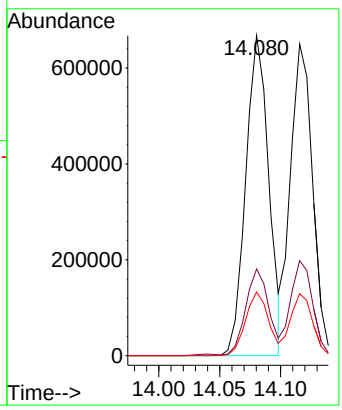


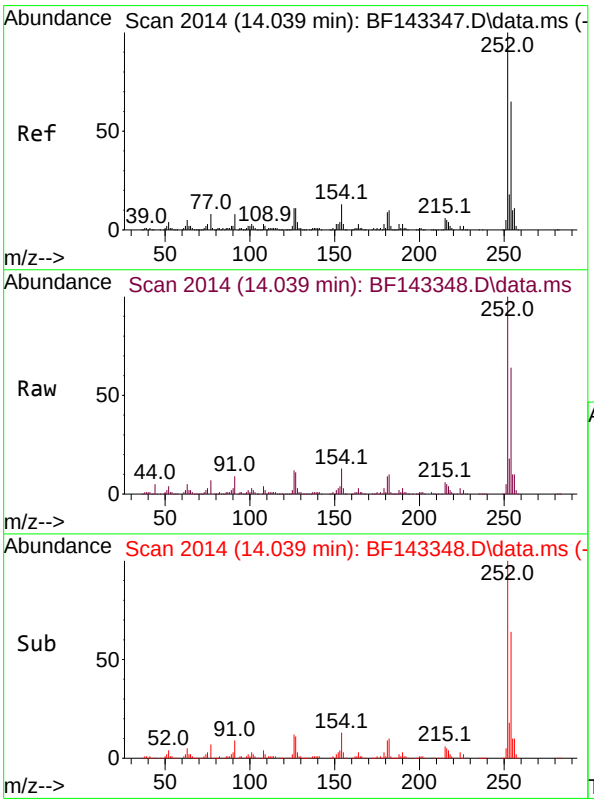
#81
Benzo(a)anthracene
Concen: 48.327 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 878814

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	19.9	15.8	23.8

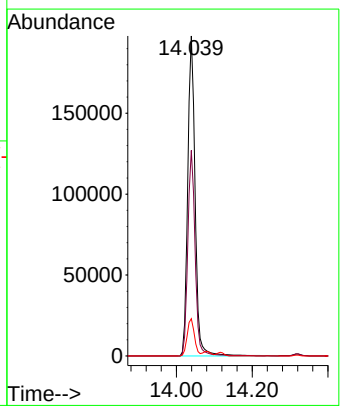


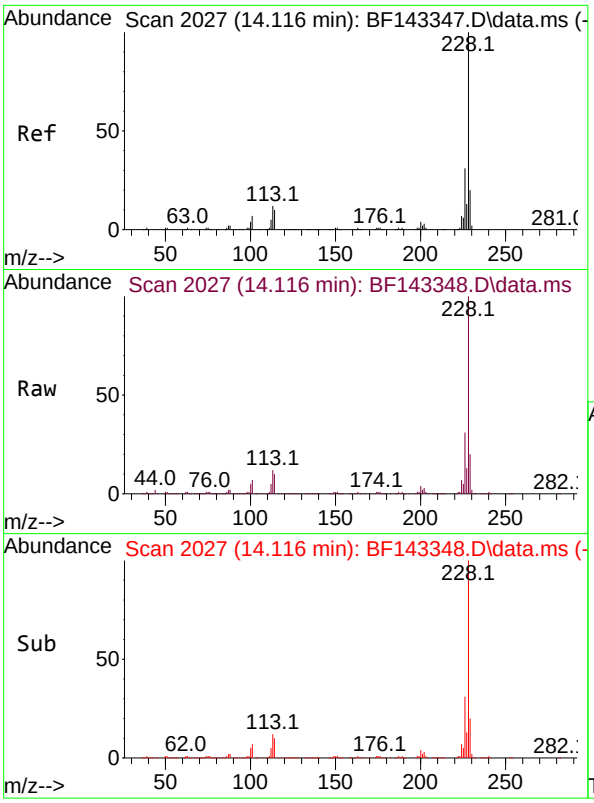


#82
3,3'-Dichlorobenzidine
Concen: 54.417 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 267204

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.7	9.2	13.8



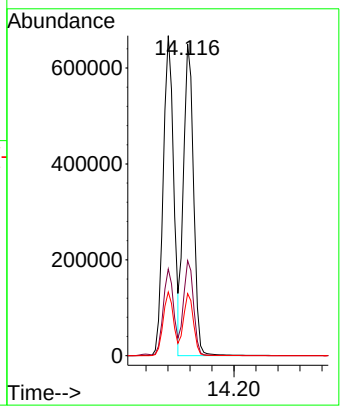


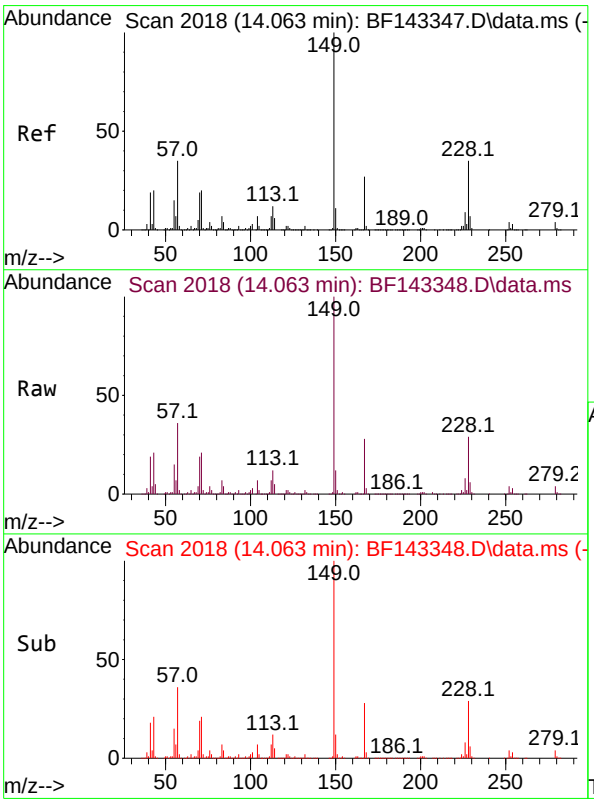
#83
Chrysene
Concen: 49.049 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 831682

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	19.9	15.8	23.6

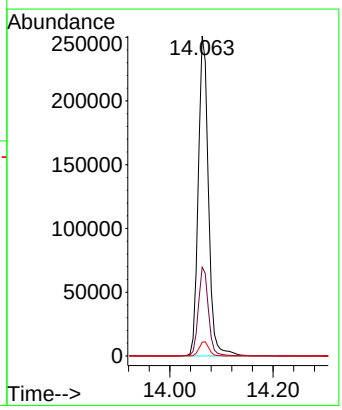


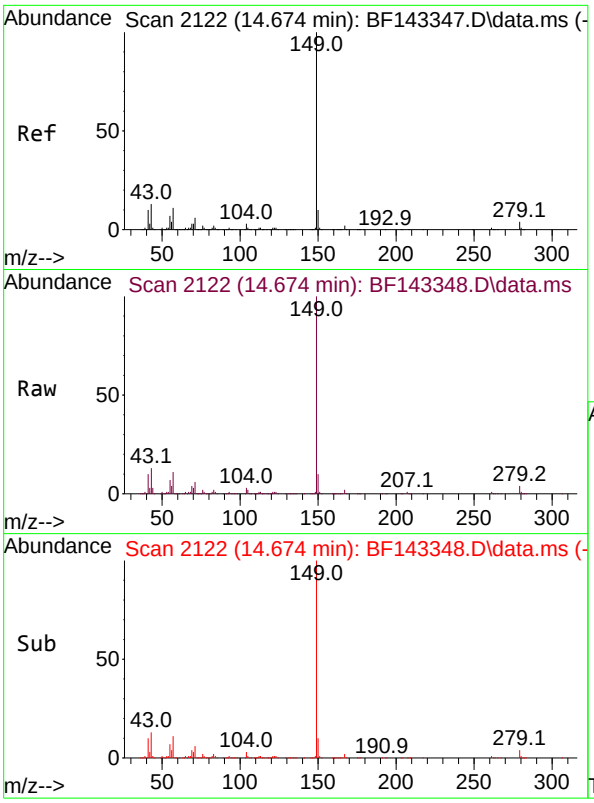


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.921 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:149 Resp: 341876

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.0
279	4.3	3.2	4.8



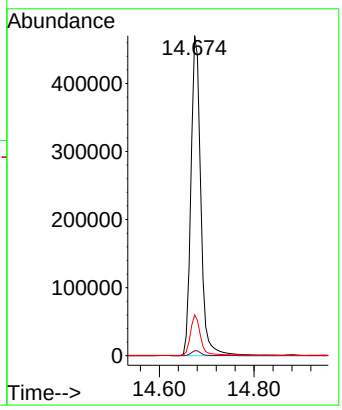


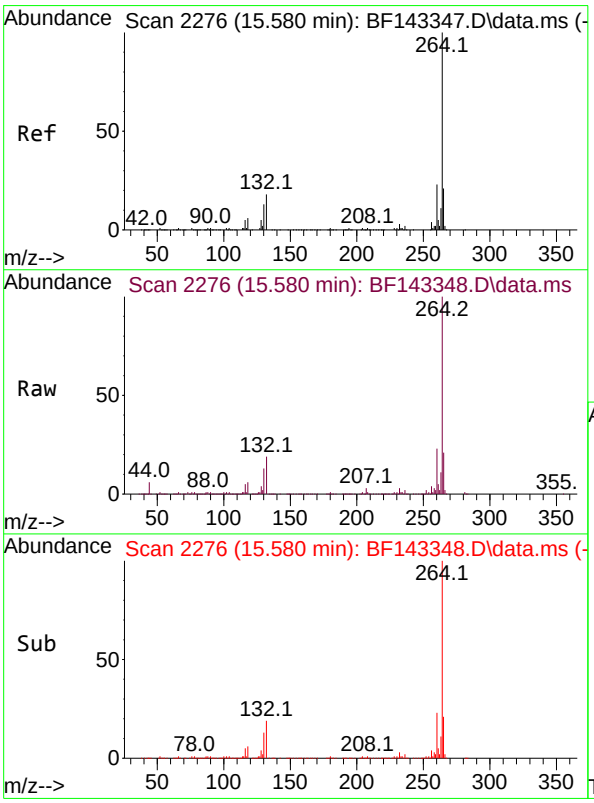
#85
Di-n-octyl phthalate
Concen: 48.572 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 675816

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.1	10.8	16.2

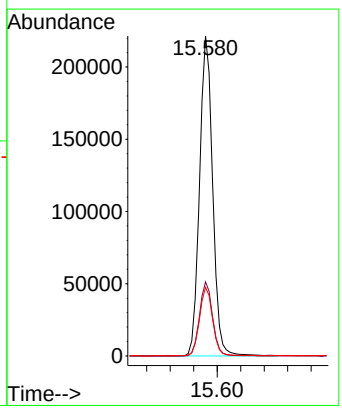


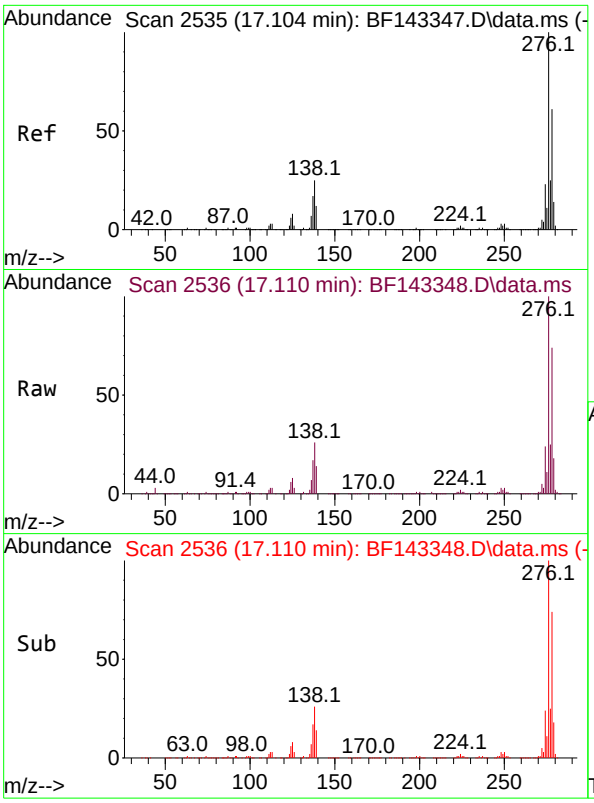


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:264 Resp: 342458

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.4	17.2	25.8



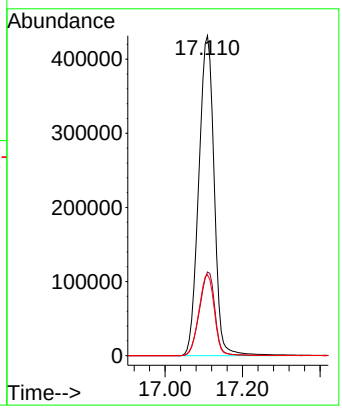


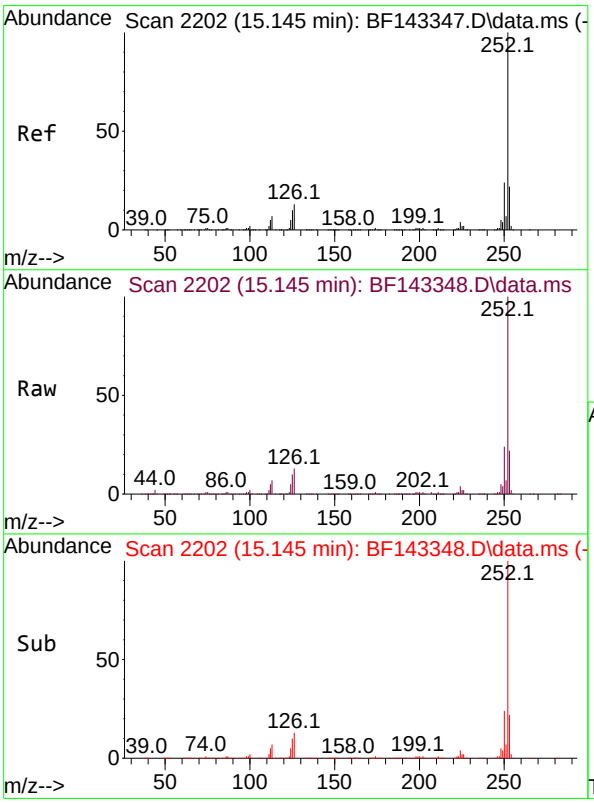
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.566 ng
RT: 17.110 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1191556

Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.1	31.7
277	25.4	20.2	30.2

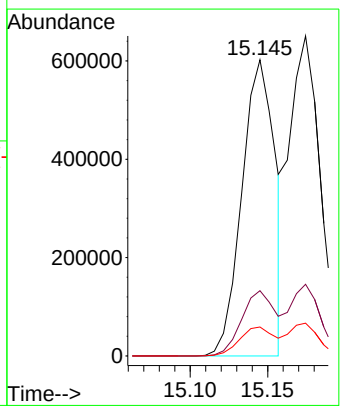


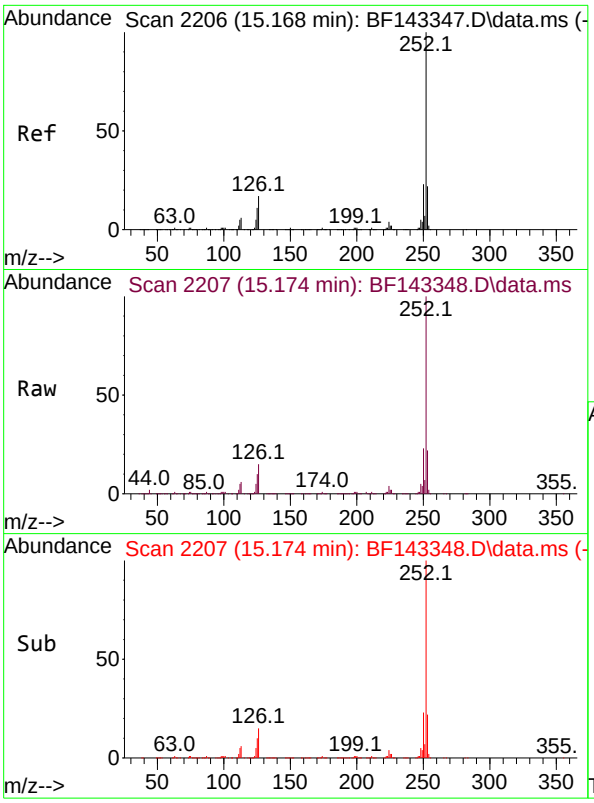


#88
Benzo(b)fluoranthene
Concen: 47.812 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 895570

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.8	7.8	11.6



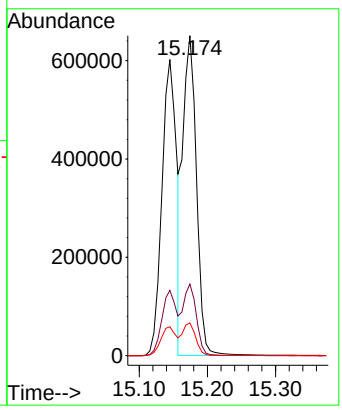


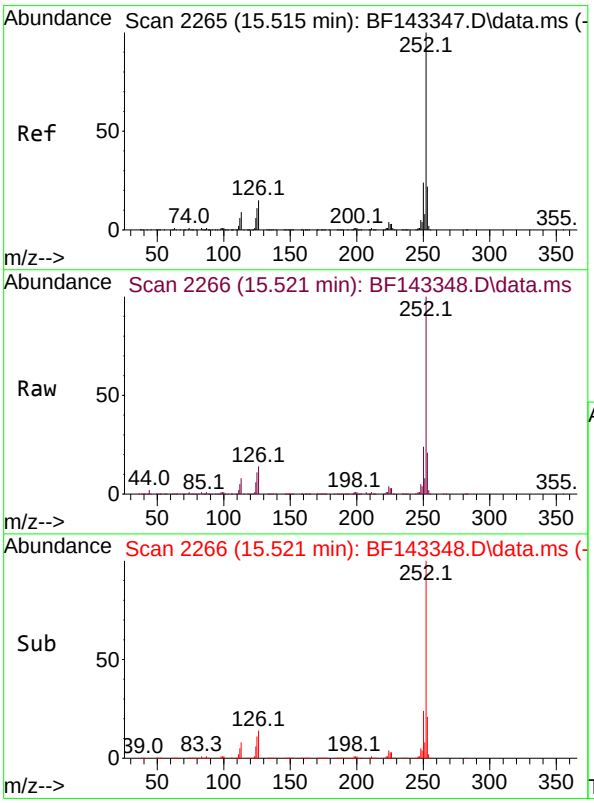
#89
Benzo(k)fluoranthene
Concen: 49.555 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 901937

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	10.3	8.4	12.6

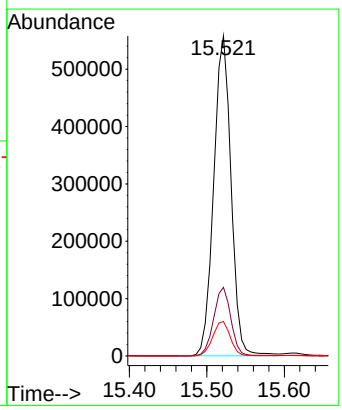


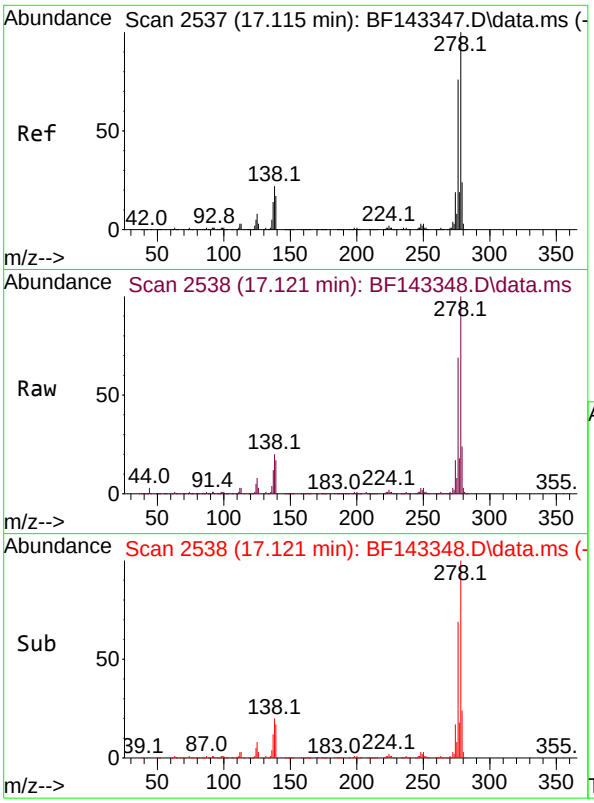


#90
Benzo(a)pyrene
Concen: 49.098 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:252 Resp: 866161

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	10.7	9.1	13.7



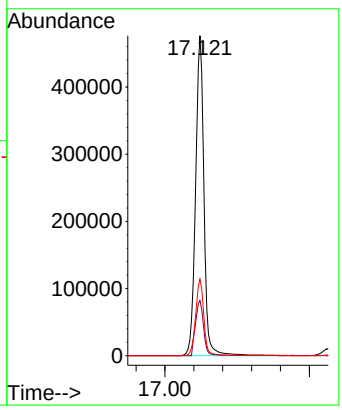


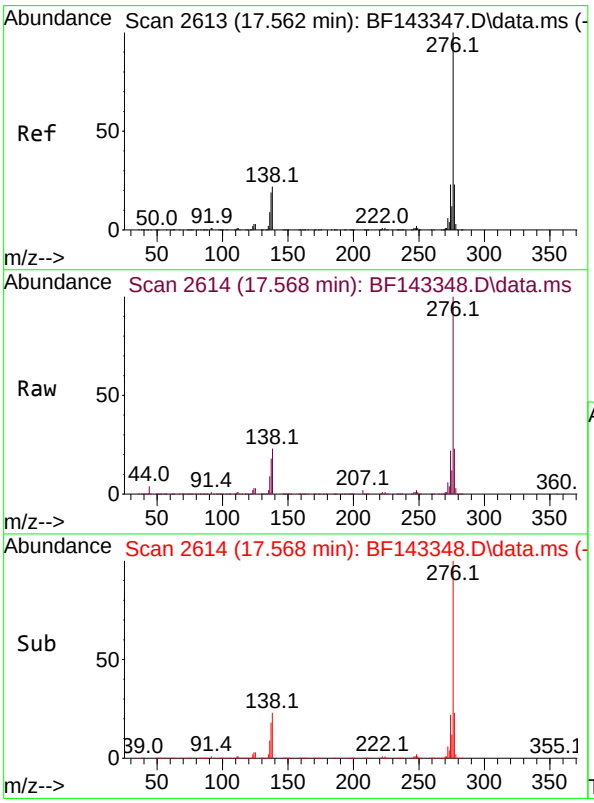
#91
Dibenzo(a,h)anthracene
Concen: 48.855 ng
RT: 17.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 957602

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.0	21.0
279	23.9	19.4	29.0

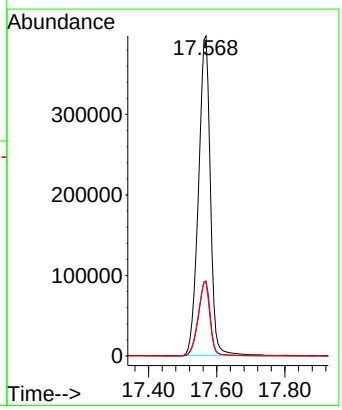




#92
Benzo(g,h,i)perylene
Concen: 48.732 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.006 min
Lab File: BF143348.D
Acq: 12 Aug 2025 11:37

Tgt Ion:276 Resp: 962236

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	22.6	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.934	152	161554	20.000	ng		0.00
21) Naphthalene-d8	8.216	136	611608	20.000	ng		0.00
39) Acenaphthene-d10	9.969	164	320321	20.000	ng		0.00
64) Phenanthrene-d10	11.451	188	460173	20.000	ng		0.00
76) Chrysene-d12	14.092	240	273246	20.000	ng		0.00
86) Perylene-d12	15.586	264	337675	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.563	112	1115976	119.453	ng		0.00
7) Phenol-d6	6.569	99	1429946	119.357	ng		0.00
23) Nitrobenzene-d5	7.492	82	1251642	127.441	ng		0.00
42) 2,4,6-Tribromophenol	10.757	330	314370	134.290	ng		0.00
45) 2-Fluorobiphenyl	9.286	172	2021003	106.990	ng		0.00
79) Terphenyl-d14	13.033	244	1568868	102.507	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.763	88	296653	61.364	ng		100
3) Pyridine	3.534	79	808240	62.740	ng		99
4) n-Nitrosodimethylamine	3.481	42	375923	62.645	ng		99
6) Aniline	6.592	93	996754	59.015	ng	#	88
8) 2-Chlorophenol	6.722	128	616100	61.717	ng		98
9) Benzaldehyde	6.481	77	387880	48.985	ng		100
10) Phenol	6.581	94	840504	59.221	ng		91
11) bis(2-Chloroethyl)ether	6.663	93	619725	59.247	ng		99
12) 1,3-Dichlorobenzene	6.875	146	671800	58.344	ng		99
13) 1,4-Dichlorobenzene	6.951	146	661936	57.278	ng		100
14) 1,2-Dichlorobenzene	7.104	146	634447	57.835	ng		100
15) Benzyl Alcohol	7.075	79	531507	61.891	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	1077772	57.714	ng		93
17) 2-Methylphenol	7.186	107	513134	60.895	ng		98
18) Hexachloroethane	7.445	117	225784	62.318	ng		100
19) n-Nitroso-di-n-propyla...	7.345	70	423943	57.269	ng		99
20) 3+4-Methylphenols	7.339	107	594674	58.354	ng		99
22) Acetophenone	7.339	105	765201	56.784	ng		98
24) Nitrobenzene	7.516	77	672780	63.075	ng		99
25) Isophorone	7.751	82	1195220	59.613	ng		99
26) 2-Nitrophenol	7.828	139	276412	63.401	ng		100
27) 2,4-Dimethylphenol	7.863	122	522594	62.476	ng		100
28) bis(2-Chloroethoxy)met...	7.957	93	726373	59.338	ng		99
29) 2,4-Dichlorophenol	8.075	162	512513	62.732	ng		99
30) 1,2,4-Trichlorobenzene	8.157	180	510824	59.275	ng		99
31) Naphthalene	8.239	128	1682766	57.179	ng		100
32) Benzoic acid	7.986	122	248714	62.282	ng		99
33) 4-Chloroaniline	8.281	127	632256	59.564	ng		99
34) Hexachlorobutadiene	8.357	225	314445	58.655	ng		99
35) Caprolactam	8.657	113	148587	64.696	ng		96
36) 4-Chloro-3-methylphenol	8.763	107	525032	61.301	ng		99
37) 2-Methylnaphthalene	8.928	142	1088275	56.249	ng		98
38) 1-Methylnaphthalene	9.028	142	1052909	56.505	ng		100
40) 1,2,4,5-Tetrachloroben...	9.092	216	516108	58.880	ng		99
41) Hexachlorocyclopentadiene	9.080	237	184941	61.485	ng		99
43) 2,4,6-Trichlorophenol	9.204	196	330076	66.369	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	355498	63.299	ng		98
46) 1,1'-Biphenyl	9.392	154	1282862	56.642	ng		99
47) 2-Chloronaphthalene	9.416	162	1038548	58.223	ng		99
48) 2-Nitroaniline	9.504	65	322909	61.917	ng		98
49) Acenaphthylene	9.828	152	1481001	57.494	ng		99
50) Dimethylphthalate	9.680	163	1125050	60.109	ng		99
51) 2,6-Dinitrotoluene	9.745	165	224724	62.496	ng		99
52) Acenaphthene	10.004	154	977067	57.055	ng		99
53) 3-Nitroaniline	9.916	138	270085	70.462	ng		99
54) 2,4-Dinitrophenol	10.022	184	82451	62.319	ng	#	77
55) Dibenzofuran	10.175	168	1389556	56.379	ng		99
56) 4-Nitrophenol	10.075	139	186307	62.130	ng		99
57) 2,4-Dinitrotoluene	10.151	165	295520	61.944	ng		95
58) Fluorene	10.516	166	1046138	55.570	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	265201	70.050	ng		99
60) Diethylphthalate	10.386	149	990716	59.094	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	515436	56.664	ng		99
62) 4-Nitroaniline	10.527	138	242938	65.508	ng		98
63) Azobenzene	10.669	77	1104323	57.669	ng		98
65) 4,6-Dinitro-2-methylph...	10.563	198	119734	61.844	ng		98
66) n-Nitrosodiphenylamine	10.622	169	898967	59.328	ng		99
67) 4-Bromophenyl-phenylether	10.998	248	318696	60.555	ng		98
68) Hexachlorobenzene	11.069	284	341976	60.282	ng		100
69) Atrazine	11.145	200	250602	63.410	ng		98
70) Pentachlorophenol	11.263	266	165675	61.169	ng		98
71) Phenanthrene	11.480	178	1426848	56.831	ng		99
72) Anthracene	11.533	178	1459751	57.330	ng		100
73) Carbazole	11.680	167	1232939	56.857	ng		99
74) Di-n-butylphthalate	12.010	149	1127365	61.437	ng		100
75) Fluoranthene	12.669	202	1181812	53.737	ng		99
77) Benzidine	12.780	184	419198	56.115	ng		99
78) Pyrene	12.898	202	1196849	52.212	ng		100
80) Butylbenzylphthalate	13.504	149	283998	61.669	ng		98
81) Benzo(a)anthracene	14.080	228	1072649	61.763	ng		99
82) 3,3'-Dichlorobenzidine	14.039	252	313084	66.762	ng		99
83) Chrysene	14.121	228	937047	57.863	ng		100
84) Bis(2-ethylhexyl)phtha...	14.068	149	426553	62.688	ng		98
85) Di-n-octyl phthalate	14.680	149	856960	62.516	ng		99
87) Indeno(1,2,3-cd)pyrene	17.115	276	1462168	60.440	ng		100
88) Benzo(b)fluoranthene	15.145	252	1161807	62.905	ng		99
89) Benzo(k)fluoranthene	15.180	252	1035022	57.673	ng		99
90) Benzo(a)pyrene	15.521	252	1052580	60.510	ng		100
91) Dibenzo(a,h)anthracene	17.127	278	1170363	60.556	ng		99
92) Benzo(g,h,i)perylene	17.574	276	1182985	60.761	ng		99

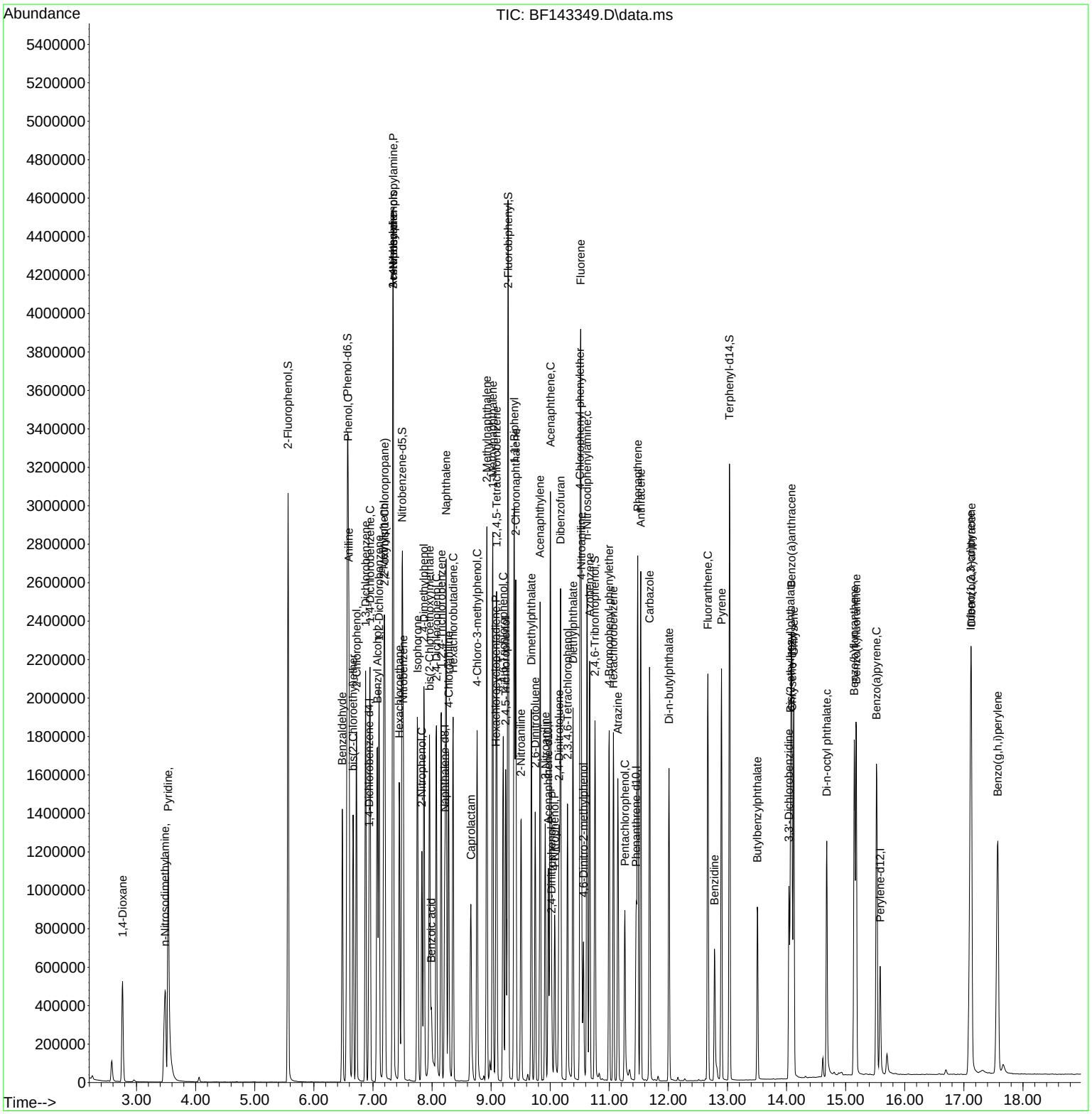
(#) = qualifier out of range (m) = manual integration (+) = signals summed

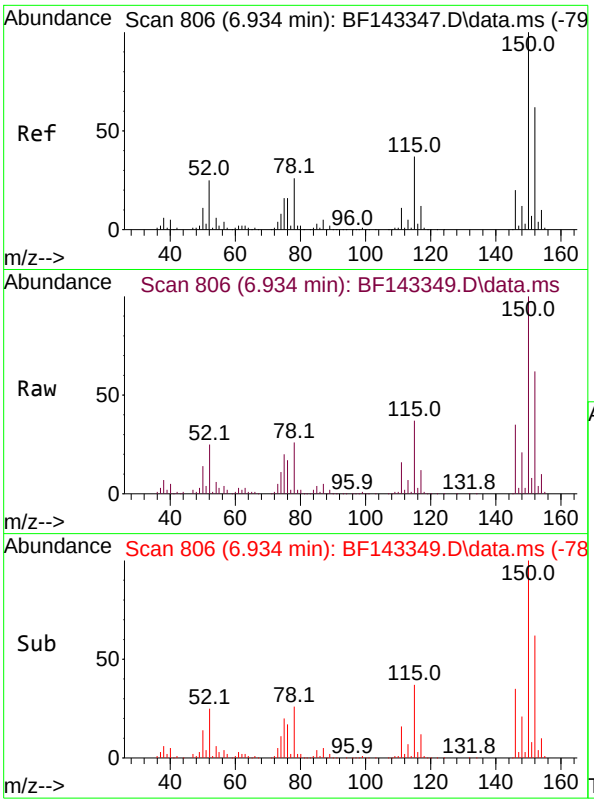
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143349.D
Acq On : 12 Aug 2025 12:07
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Aug 12 13:20:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



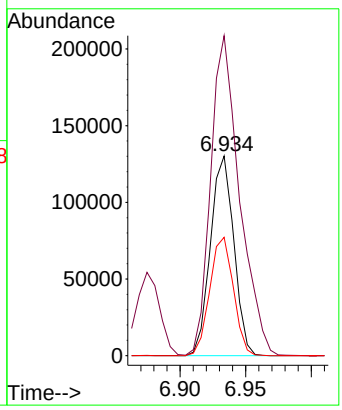


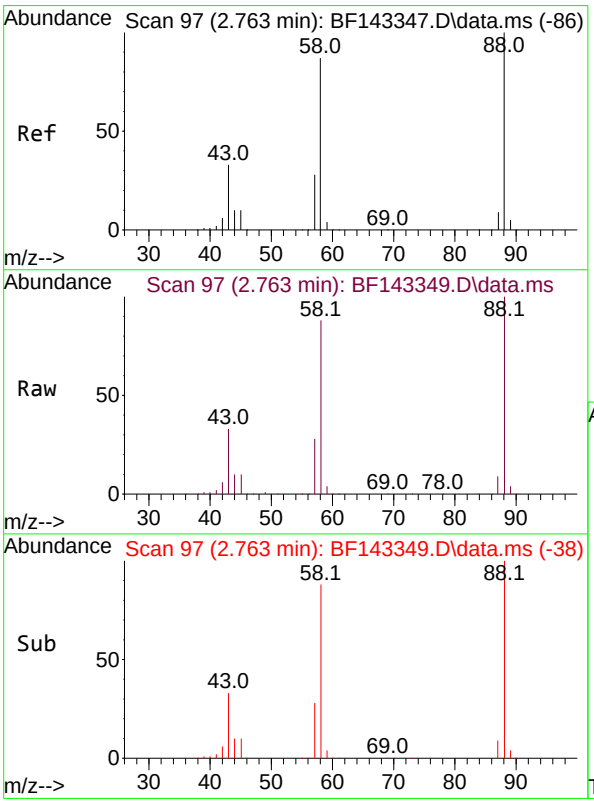
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 161554

Ion	Ratio	Lower	Upper
152	100		
150	160.3	129.8	194.8
115	59.3	47.8	71.8

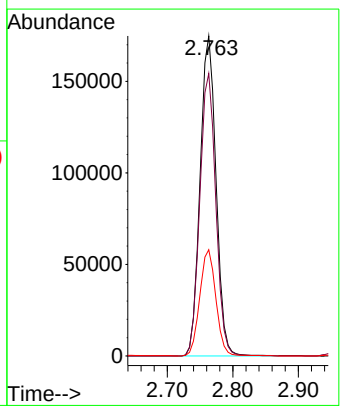


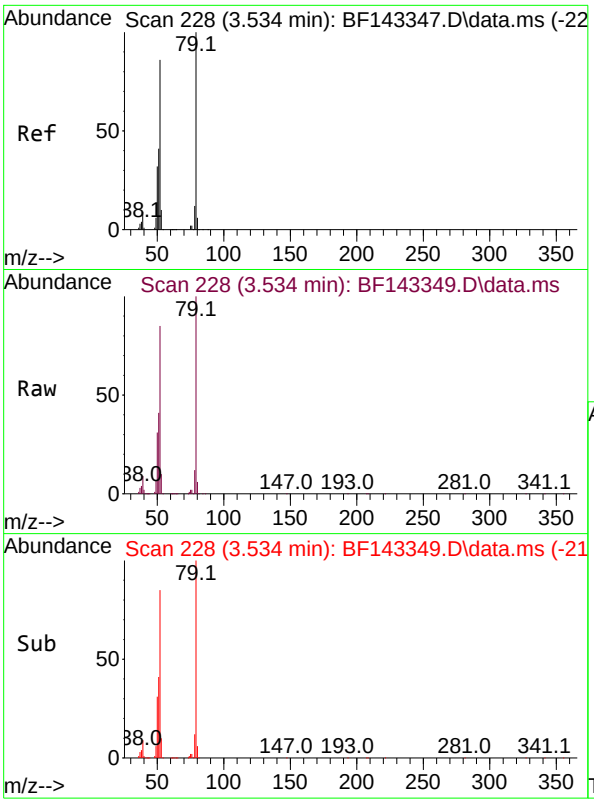


#2
1,4-Dioxane
Concen: 61.364 ng
RT: 2.763 min Scan# 97
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 88 Resp: 296653

Ion	Ratio	Lower	Upper
88	100		
58	88.5	71.0	106.6
43	33.6	27.0	40.6



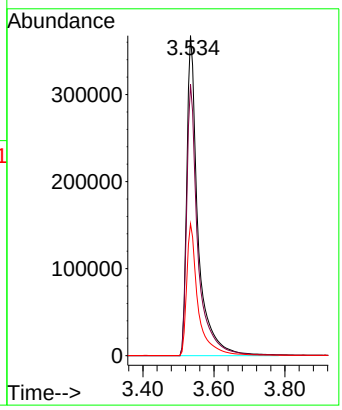


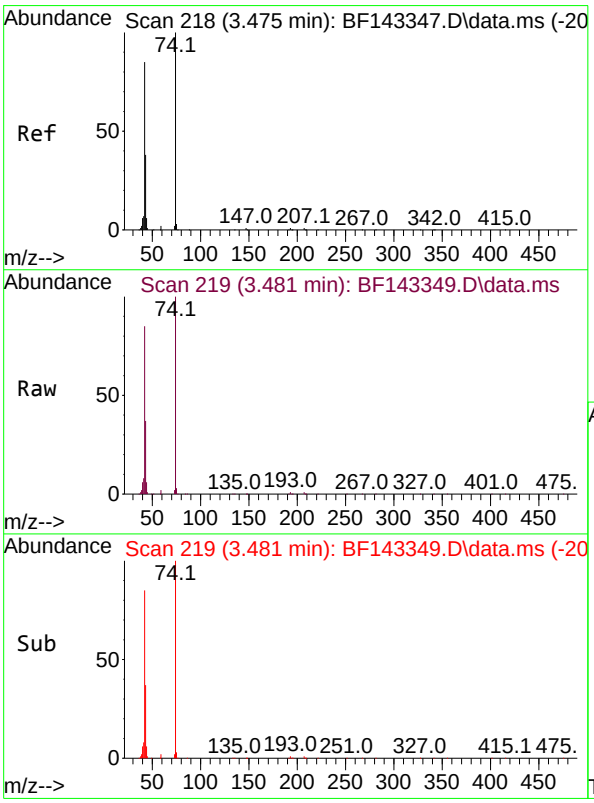
#3
Pyridine
Concen: 62.740 ng
RT: 3.534 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 808240

Ion	Ratio	Lower	Upper
79	100		
52	84.8	68.7	103.1
51	41.2	33.4	50.0

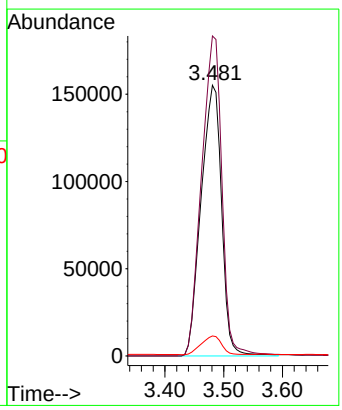


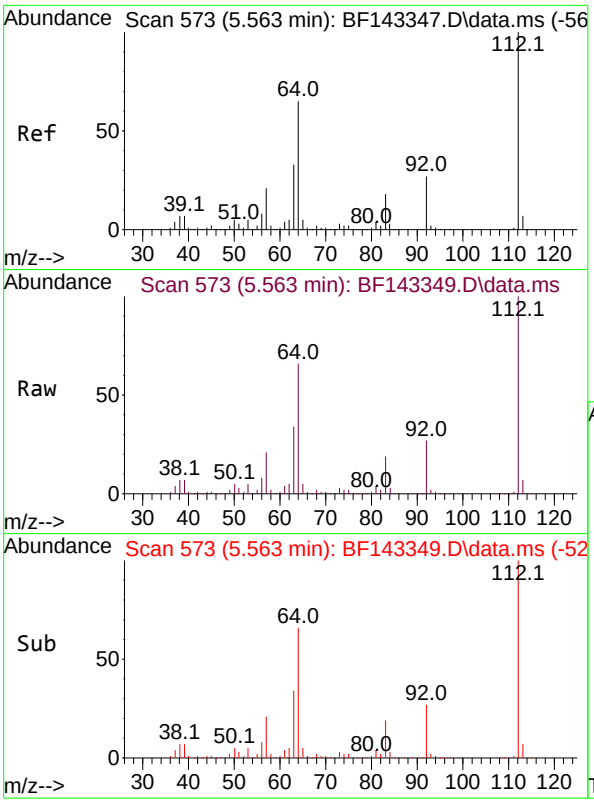


#4
n-Nitrosodimethylamine
Concen: 62.645 ng
RT: 3.481 min Scan# 219
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 42 Resp: 375923

Ion	Ratio	Lower	Upper
42	100		
74	118.2	94.1	141.1
44	7.4	6.5	9.7



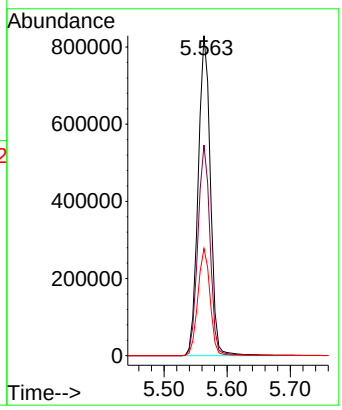


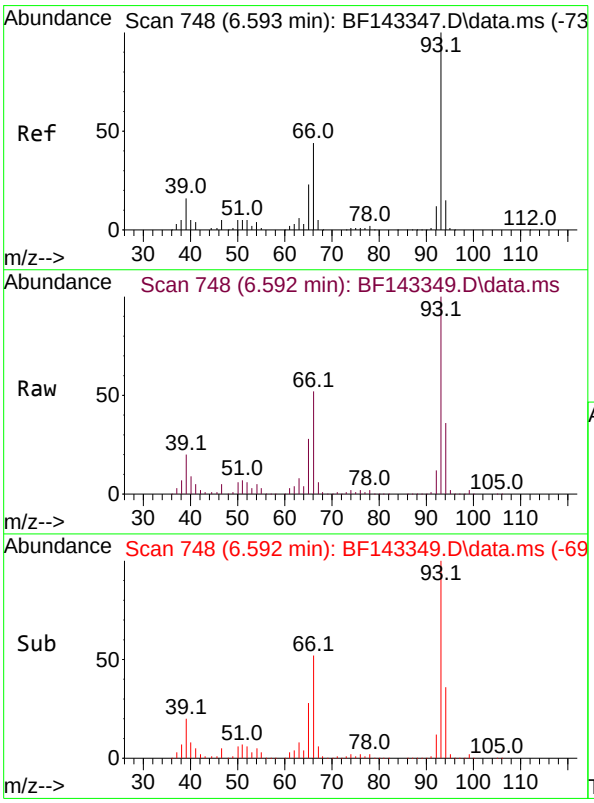
#5
2-Fluorophenol
Concen: 119.453 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1115976

Ion	Ratio	Lower	Upper
112	100		
64	65.9	52.1	78.1
63	33.5	26.6	39.8

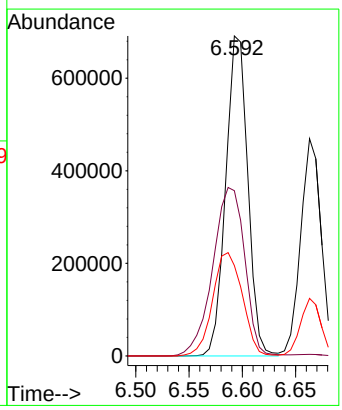


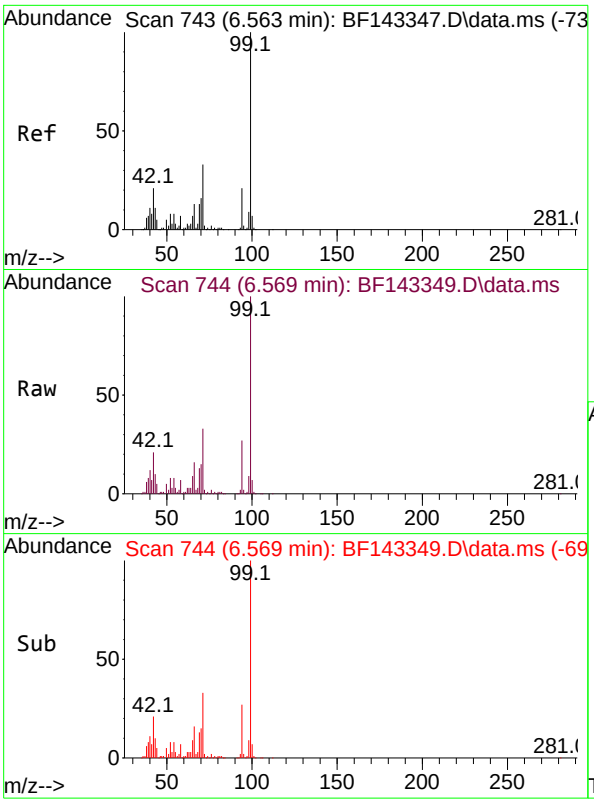


#6
Aniline
Concen: 59.015 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 93 Resp: 996754

Ion	Ratio	Lower	Upper
93	100		
66	51.6	35.3	52.9
65	28.3	18.2	27.4#



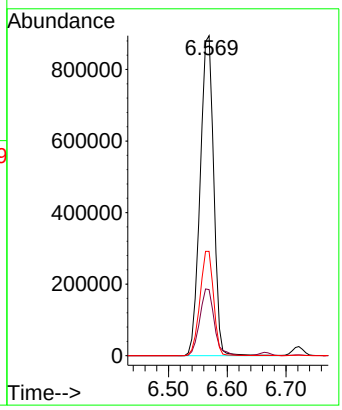


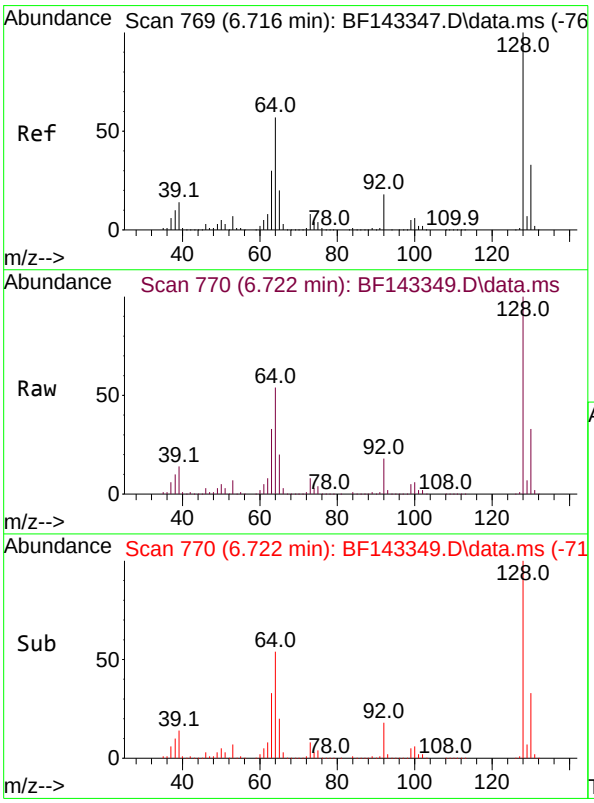
#7
Phenol-d6
Concen: 119.357 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1429946

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	25.0
71	32.6	26.2	39.2

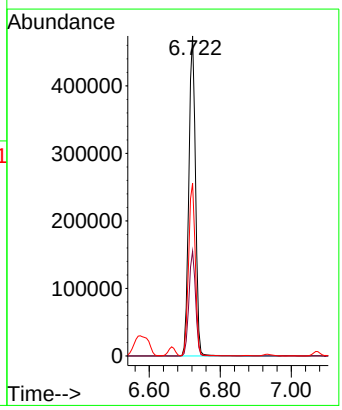


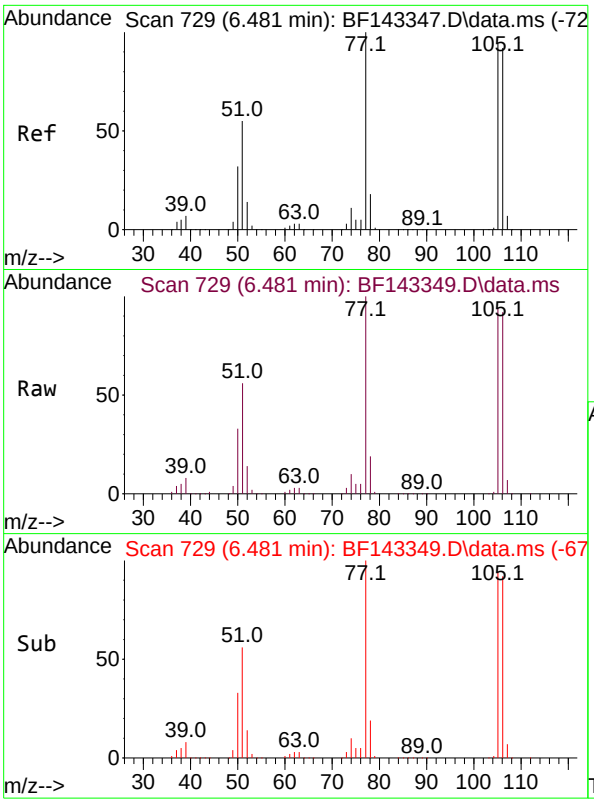


#8
2-Chlorophenol
Concen: 61.717 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:128 Resp: 616100

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	54.0	36.7	76.7



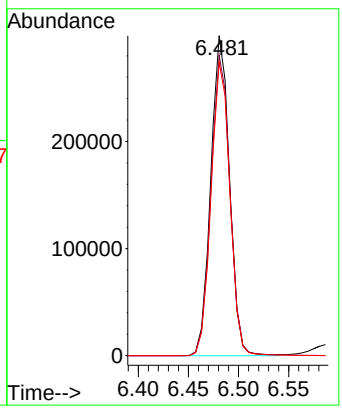


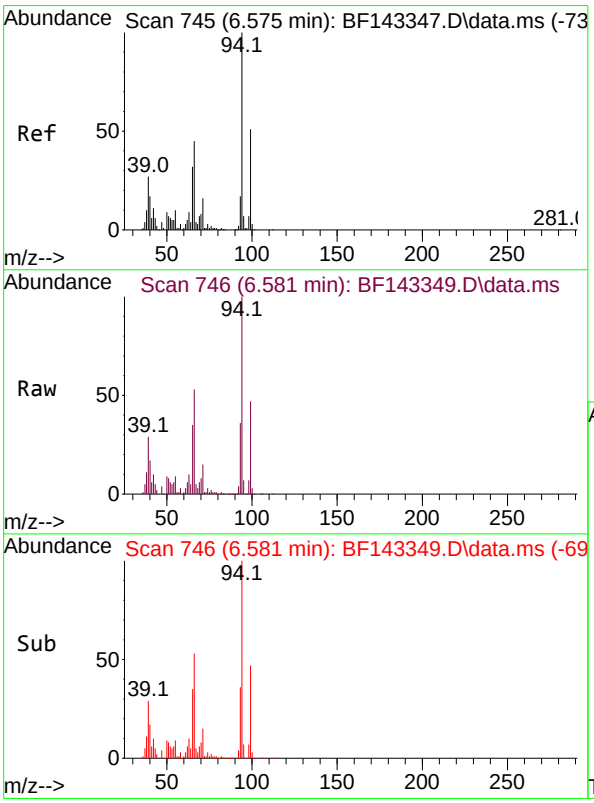
#9
Benzaldehyde
Concen: 48.985 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 387880

Ion	Ratio	Lower	Upper
77	100		
105	93.9	74.2	114.2
106	91.6	72.2	112.2

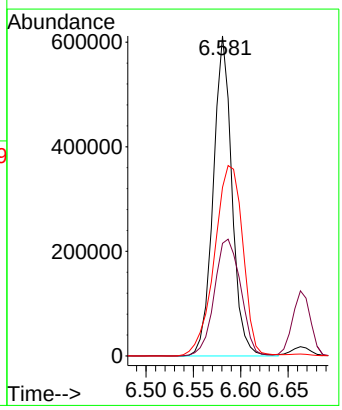


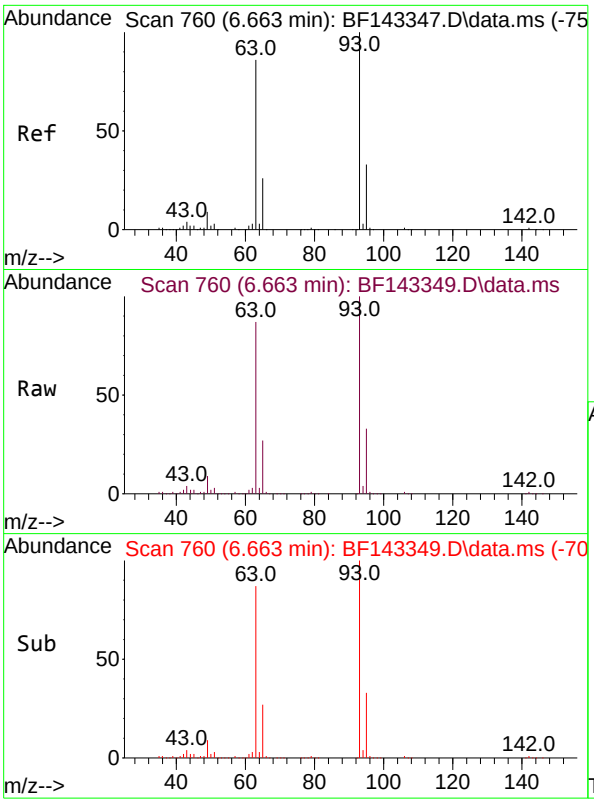


#10
Phenol
Concen: 59.221 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 94 Resp: 840504

Ion	Ratio	Lower	Upper
94	100		
65	35.2	12.0	52.0
66	52.7	25.6	65.6



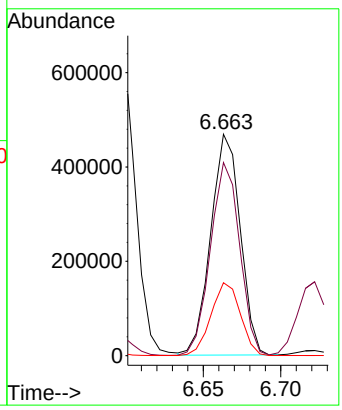


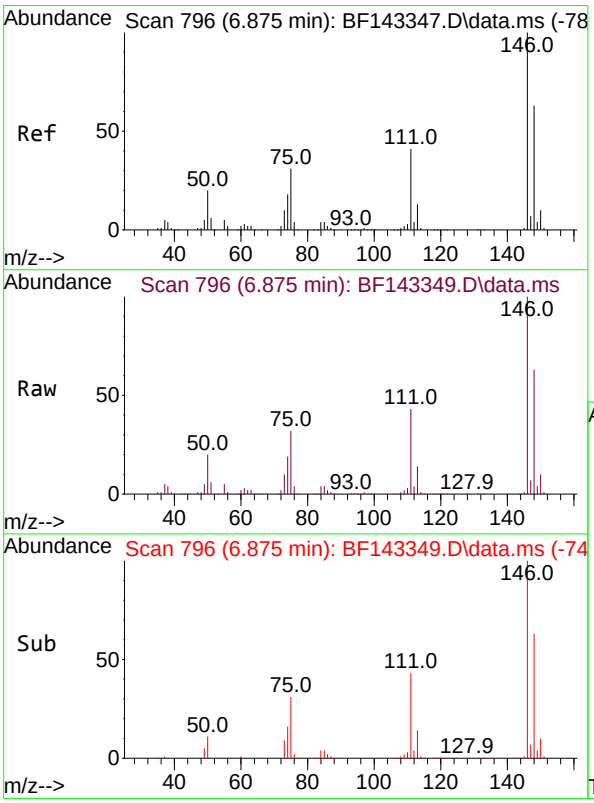
#11
bis(2-Chloroethyl)ether
Concen: 59.247 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 619725

Ion	Ratio	Lower	Upper
93	100		
63	87.2	65.7	105.7
95	33.0	13.0	53.0

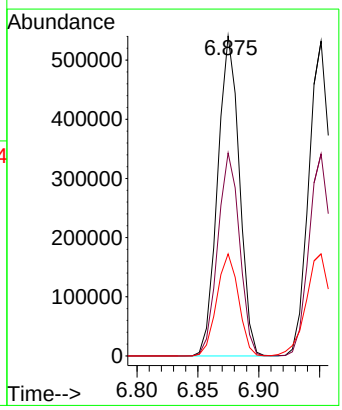


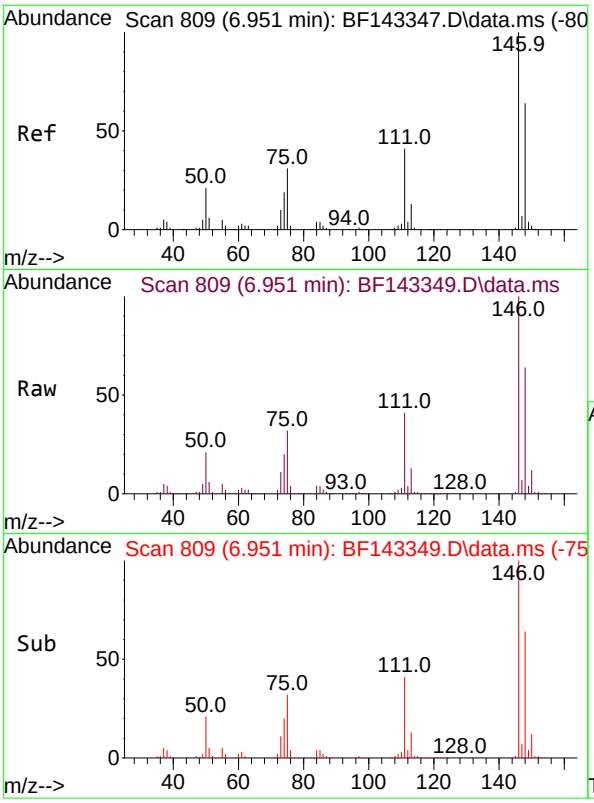


#12
1,3-Dichlorobenzene
Concen: 58.344 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:146 Resp: 671800

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
75	31.9	24.9	37.3



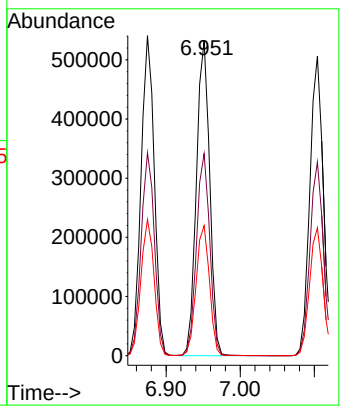


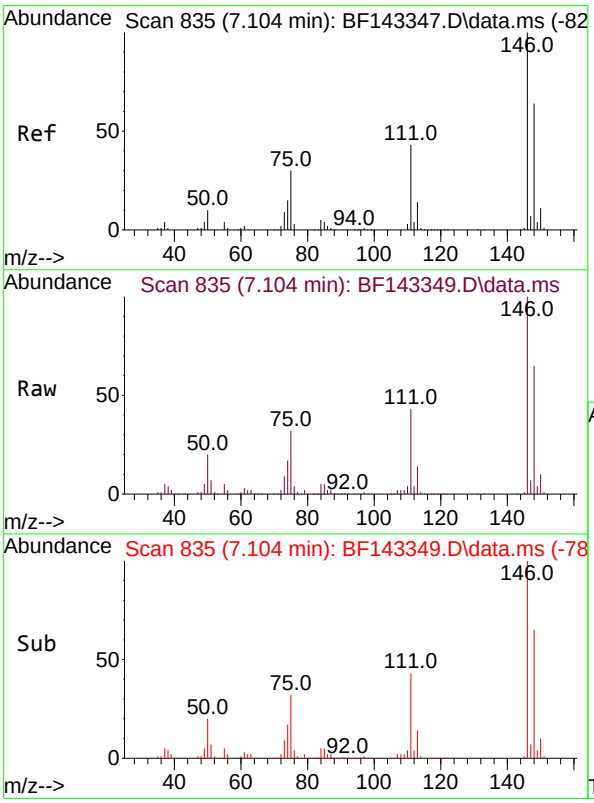
#13
1,4-Dichlorobenzene
Concen: 57.278 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 661936

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
111	41.4	32.6	48.8

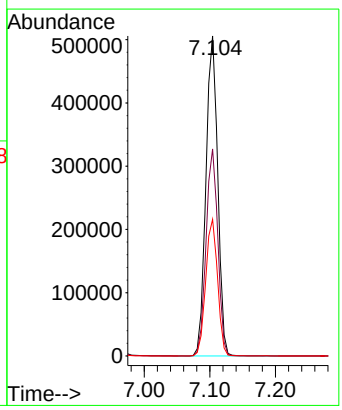


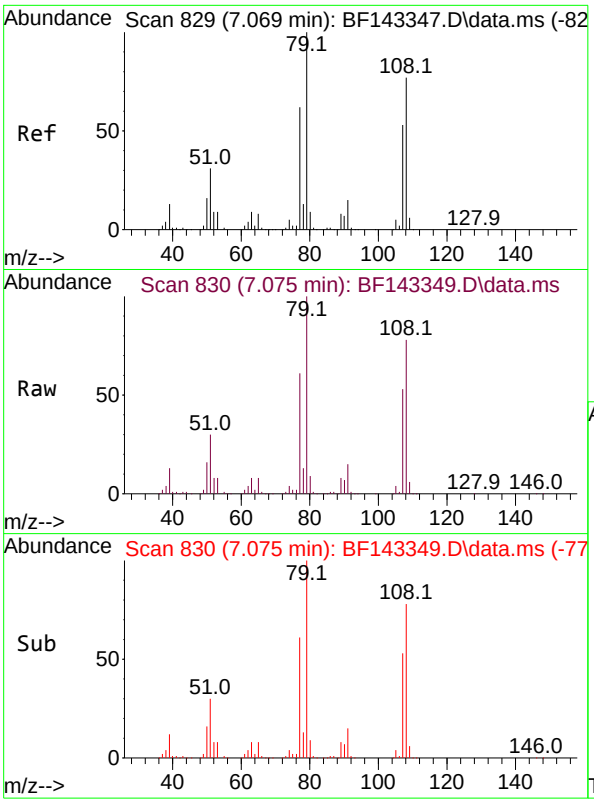


#14
1,2-Dichlorobenzene
Concen: 57.835 ng
RT: 7.104 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:146 Resp: 634447

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	42.7	34.1	51.1



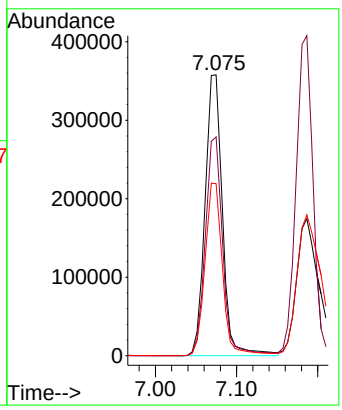


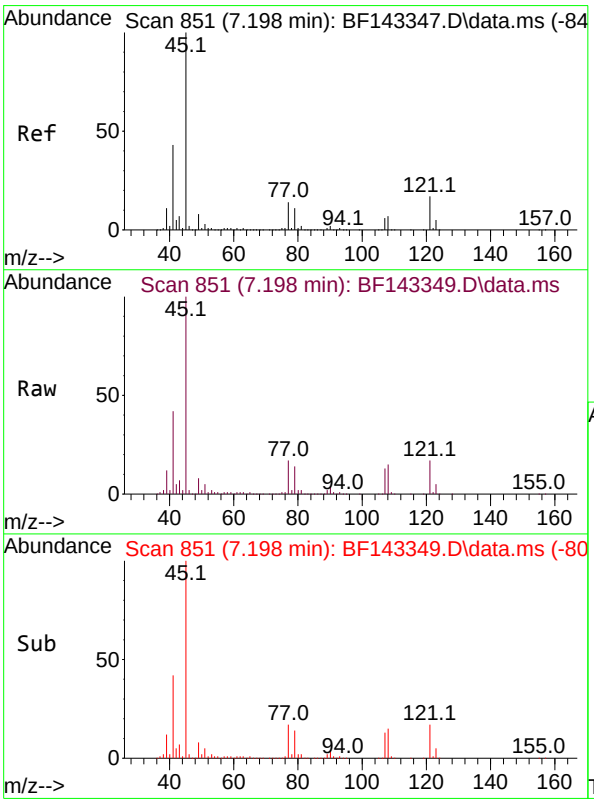
#15
Benzyl Alcohol
Concen: 61.891 ng
RT: 7.075 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 531507

Ion	Ratio	Lower	Upper
79	100		
108	77.9	61.5	92.3
77	61.2	49.8	74.8

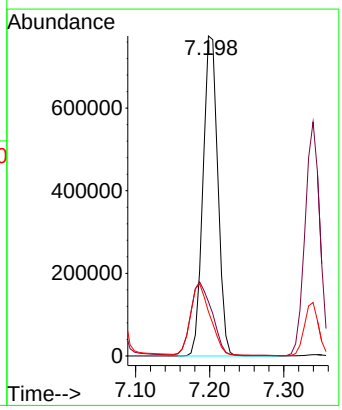


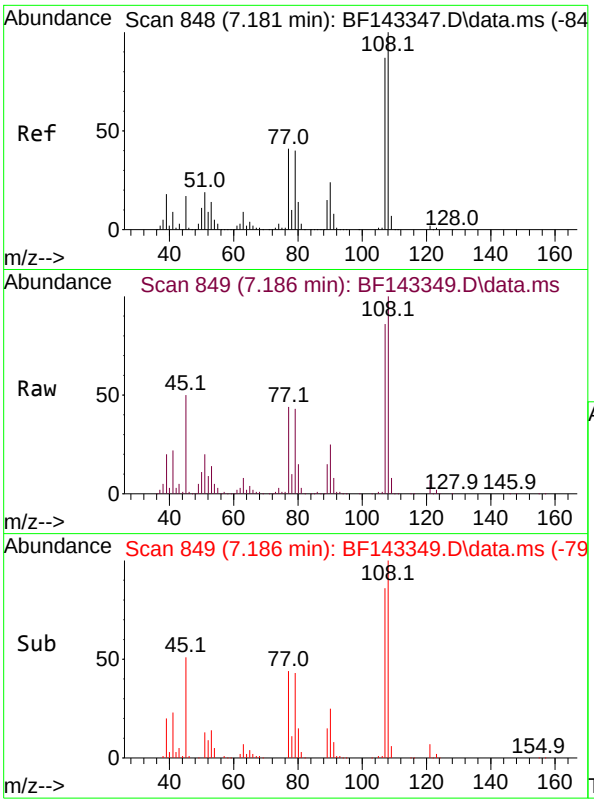


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.714 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 45 Resp: 1077772

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	34.0
79	13.8	0.0	31.1



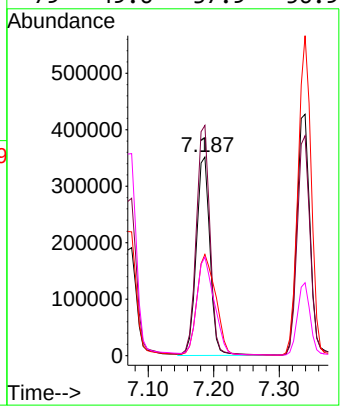


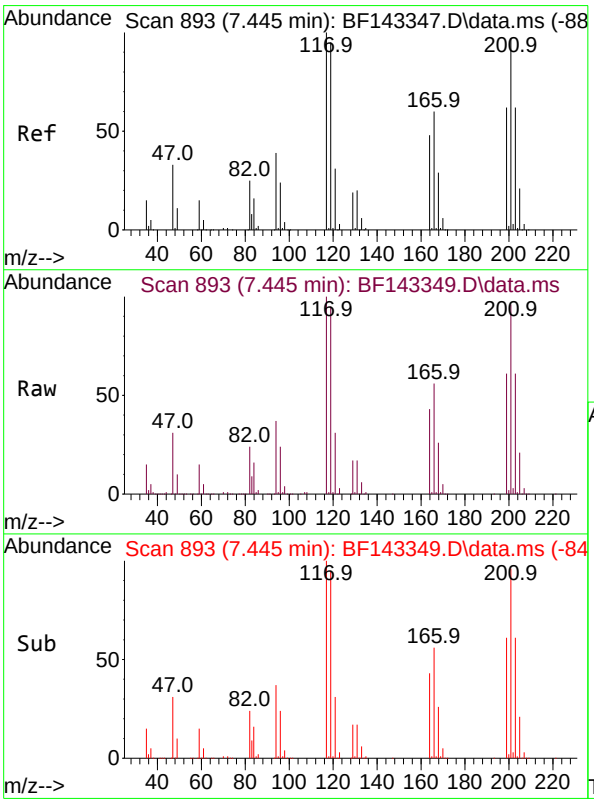
#17
2-Methylphenol
Concen: 60.895 ng
RT: 7.186 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 513134

Ion	Ratio	Lower	Upper
107	100		
108	115.9	92.0	138.0
77	51.0	38.2	57.2
79	49.6	37.9	56.9

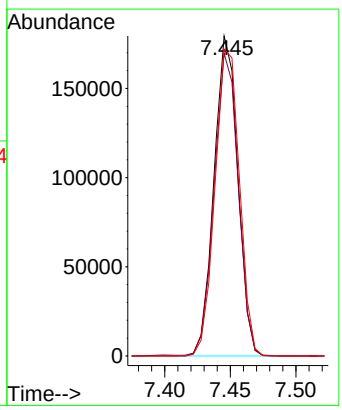


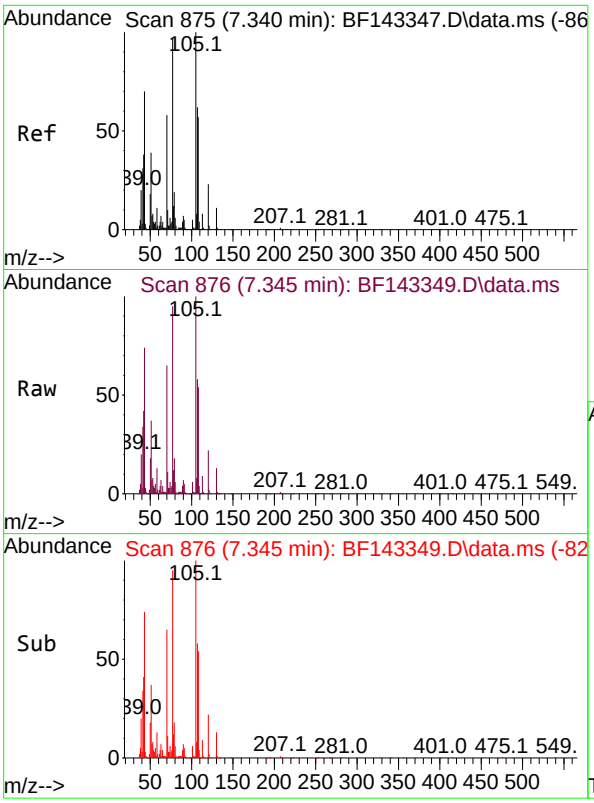


#18
Hexachloroethane
Concen: 62.318 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:117 Resp: 225784

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
201	95.9	77.2	115.8



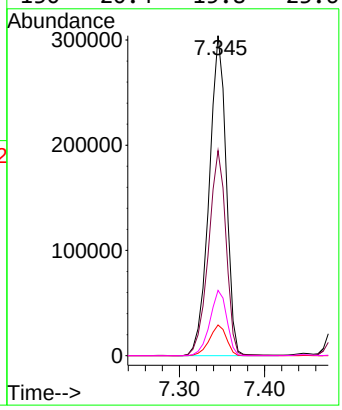


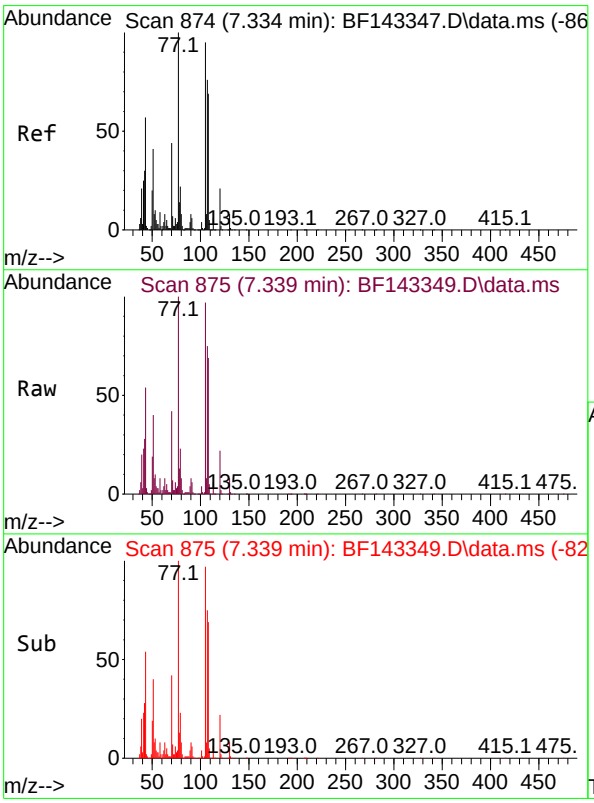
#19
n-Nitroso-di-n-propylamine
Concen: 57.269 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 423943

Ion	Ratio	Lower	Upper
70	100		
42	64.1	51.6	77.4
101	9.6	7.5	11.3
130	20.4	15.8	23.6

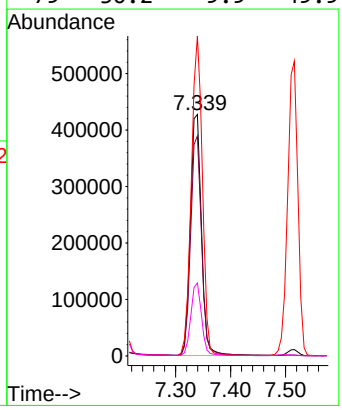


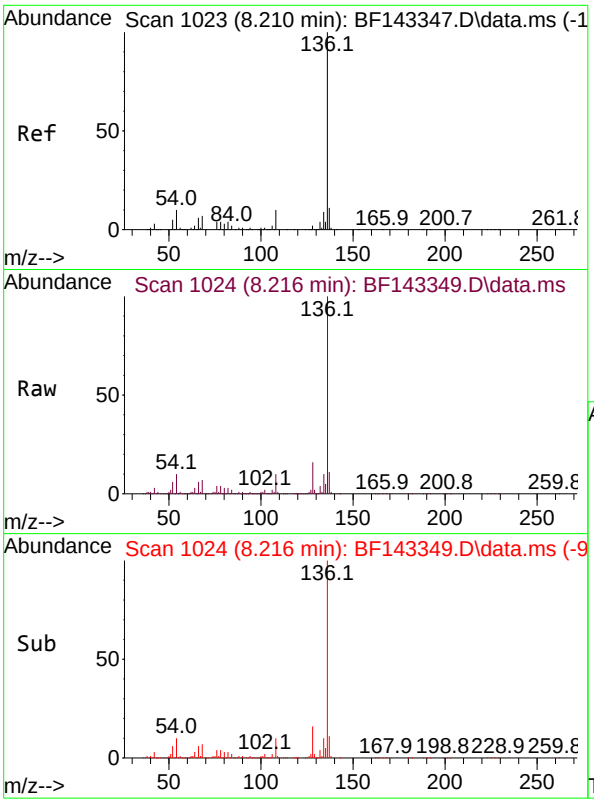


#20
3+4-Methylphenols
Concen: 58.354 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:107 Resp: 594674

Ion	Ratio	Lower	Upper
107	100		
108	91.1	70.6	110.6
77	132.5	112.0	152.0
79	30.2	9.9	49.9



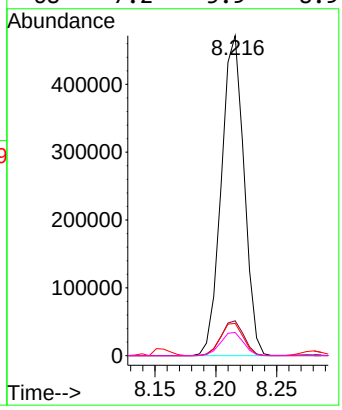


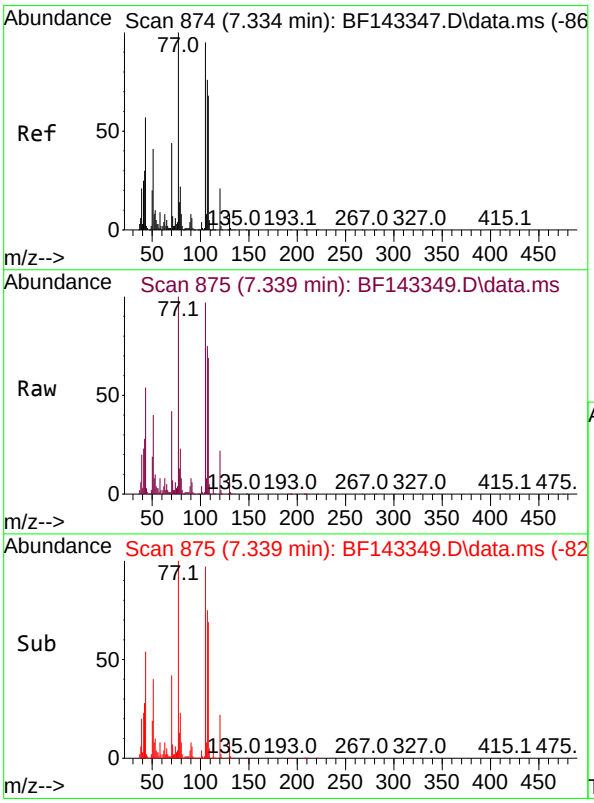
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 611608

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.4	12.6
68	7.2	5.9	8.9

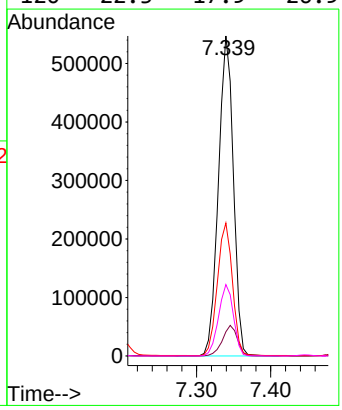


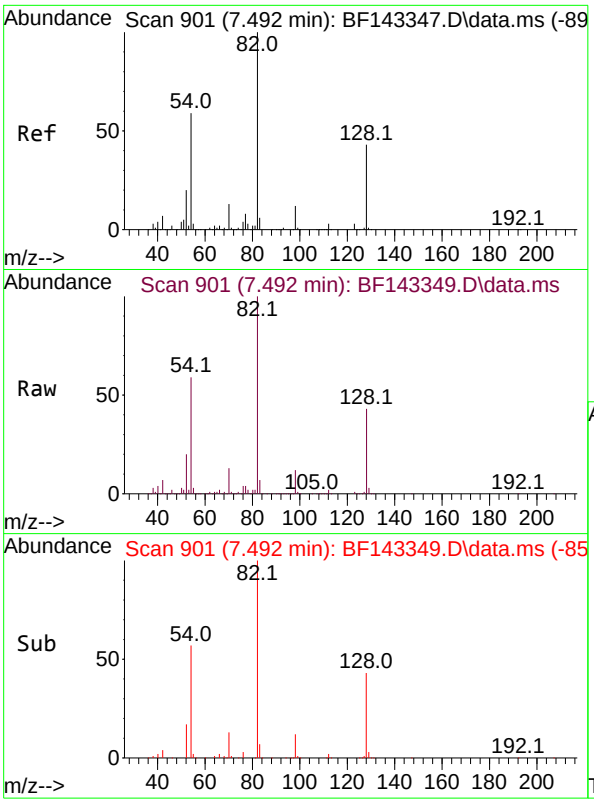


#22
Acetophenone
Concen: 56.784 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:105 Resp: 765201

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.2	9.4
51	41.6	34.8	52.2
120	22.3	17.9	26.9



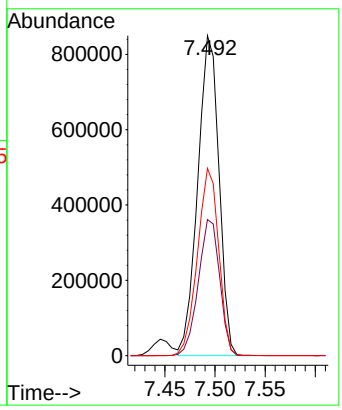


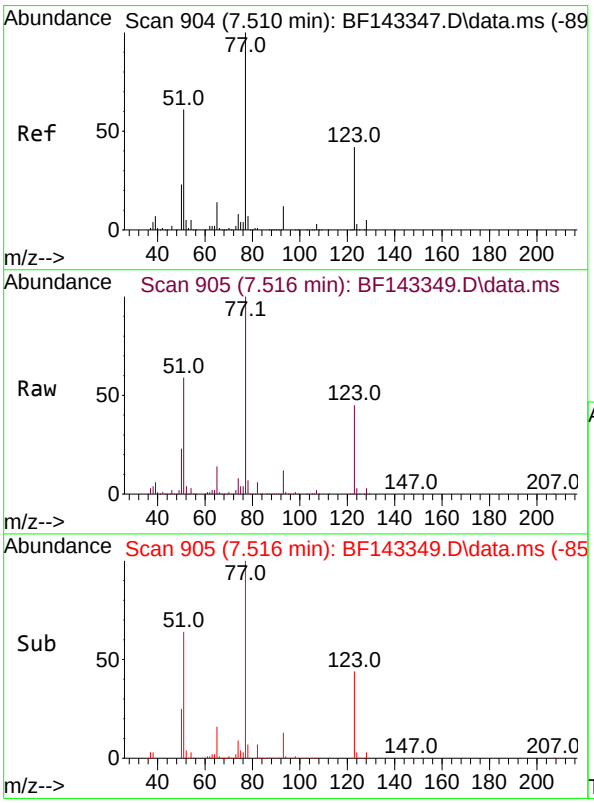
#23
Nitrobenzene-d5
Concen: 127.441 ng
RT: 7.492 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1251642

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.5	50.3
54	58.5	46.7	70.1

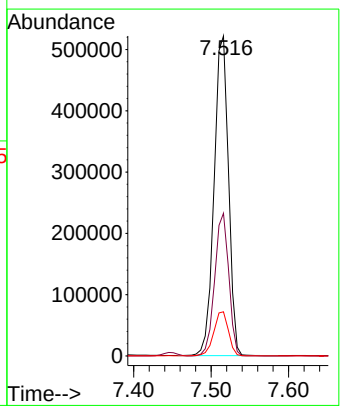


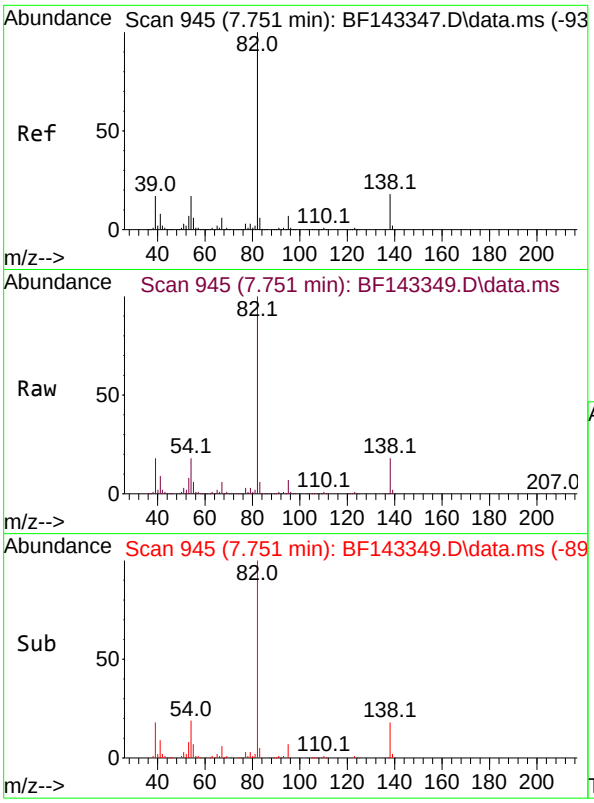


#24
Nitrobenzene
Concen: 63.075 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 77 Resp: 672780

Ion	Ratio	Lower	Upper
77	100		
123	44.6	34.8	52.2
65	13.8	11.0	16.6



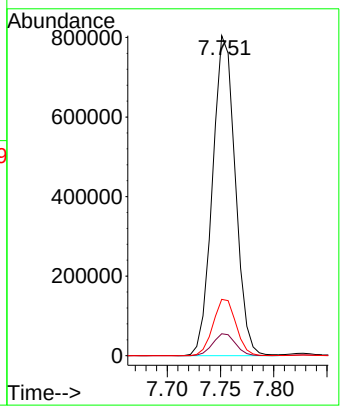


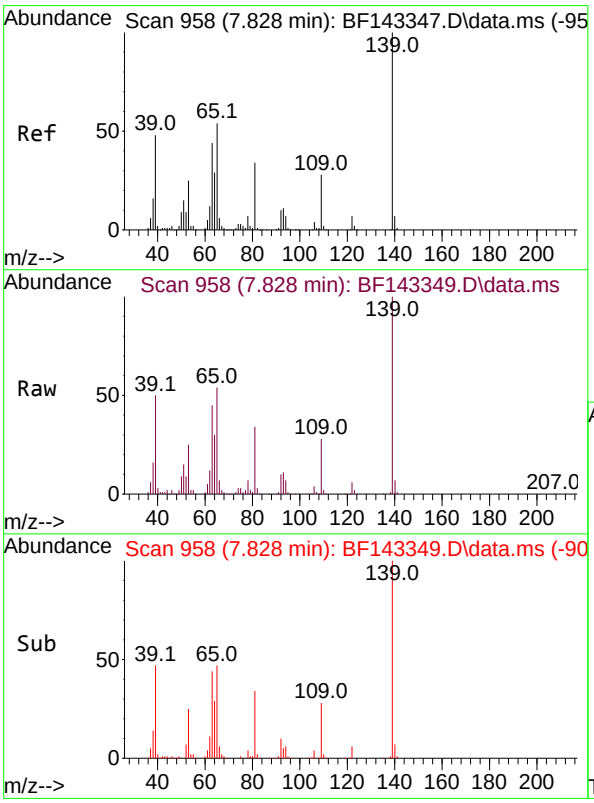
#25
Isophorone
Concen: 59.613 ng
RT: 7.751 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1195220

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.6	14.6	21.8

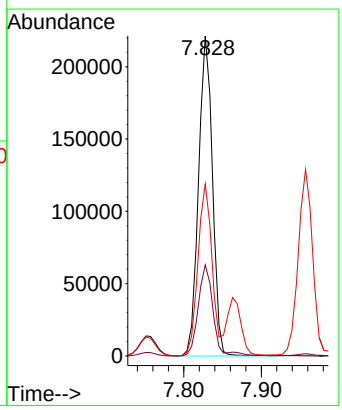


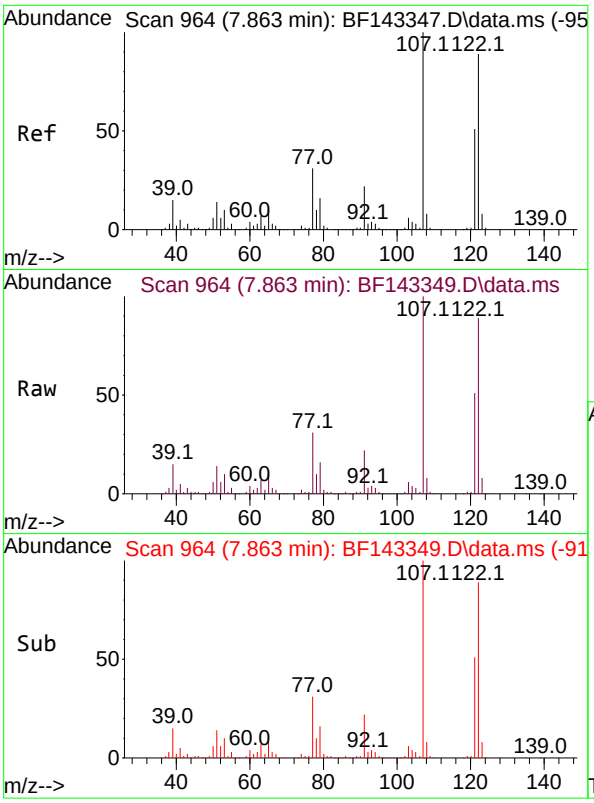


#26
2-Nitrophenol
Concen: 63.401 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:139 Resp: 276412

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.4	33.6
65	53.8	42.9	64.3



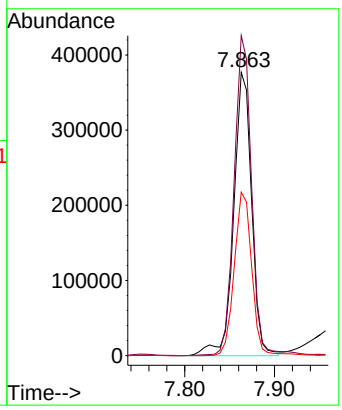


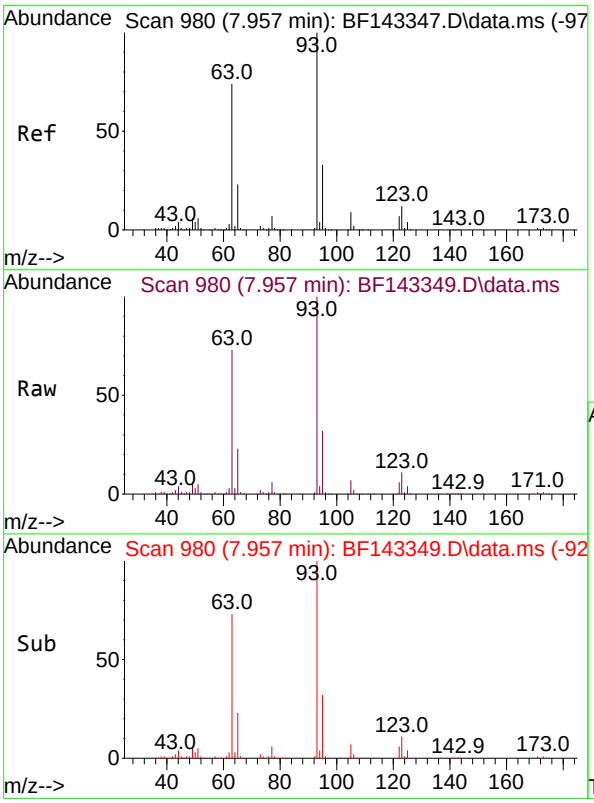
#27
2,4-Dimethylphenol
Concen: 62.476 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 522594

Ion	Ratio	Lower	Upper
122	100		
107	112.9	89.9	134.9
121	57.7	46.2	69.4

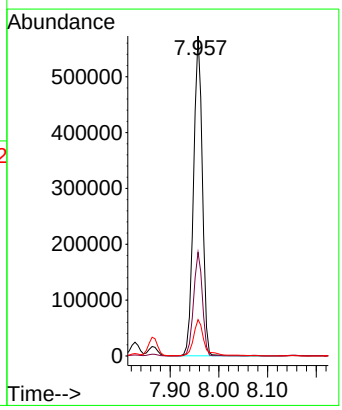


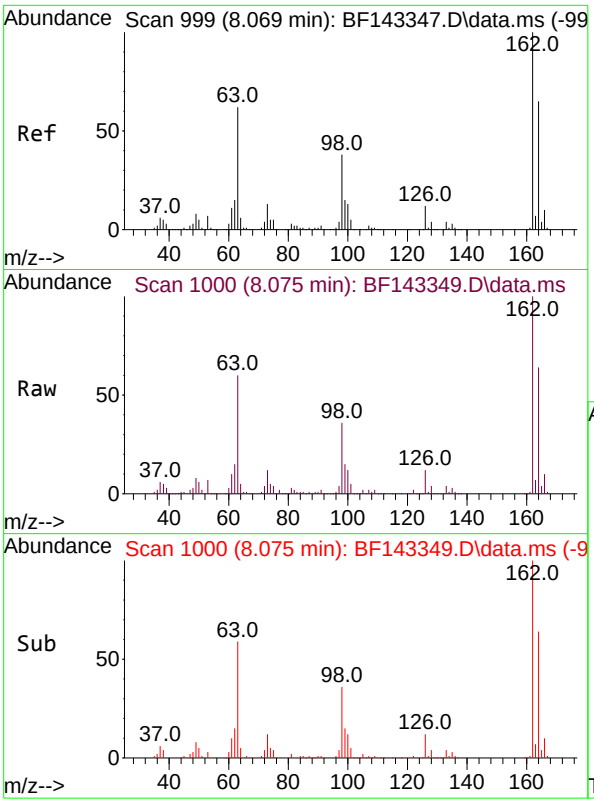


#28
bis(2-Chloroethoxy)methane
Concen: 59.338 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 93 Resp: 726373

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.4	9.4	14.2



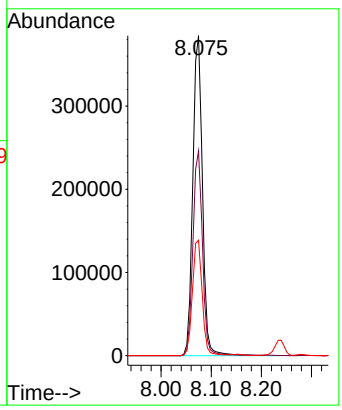


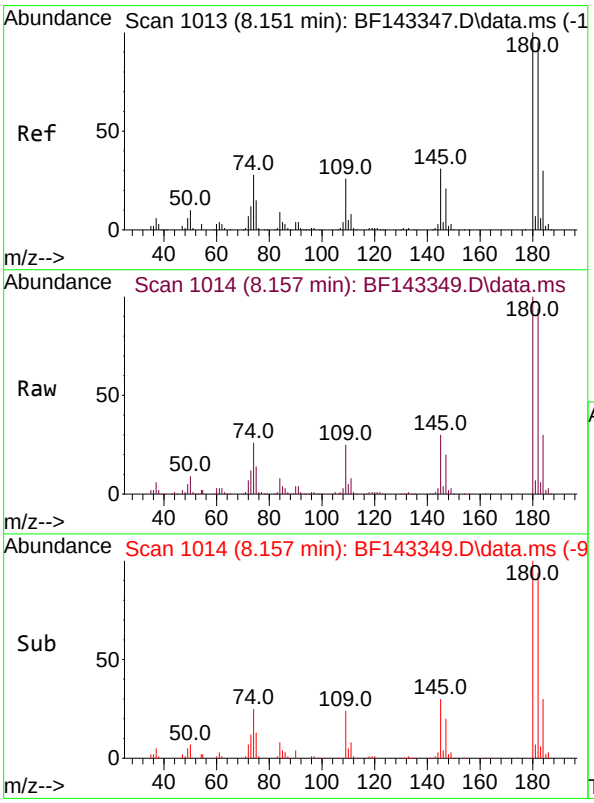
#29
2,4-Dichlorophenol
Concen: 62.732 ng
RT: 8.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 512513

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.5	84.5
98	36.1	17.7	57.7

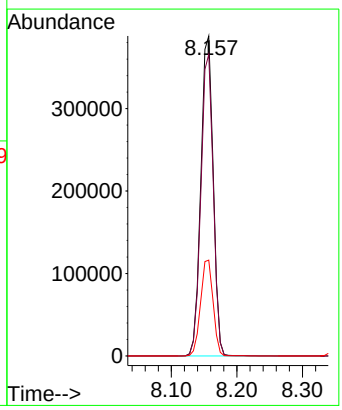


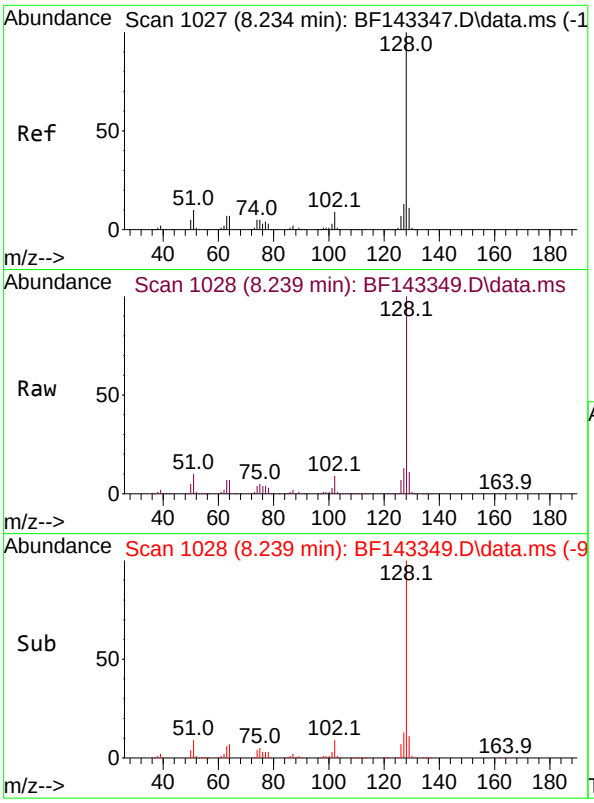


#30
1,2,4-Trichlorobenzene
Concen: 59.275 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:180 Resp: 510824

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	30.0	24.9	37.3



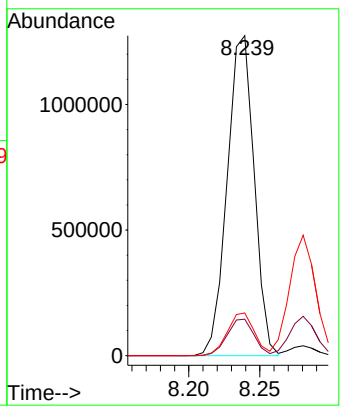


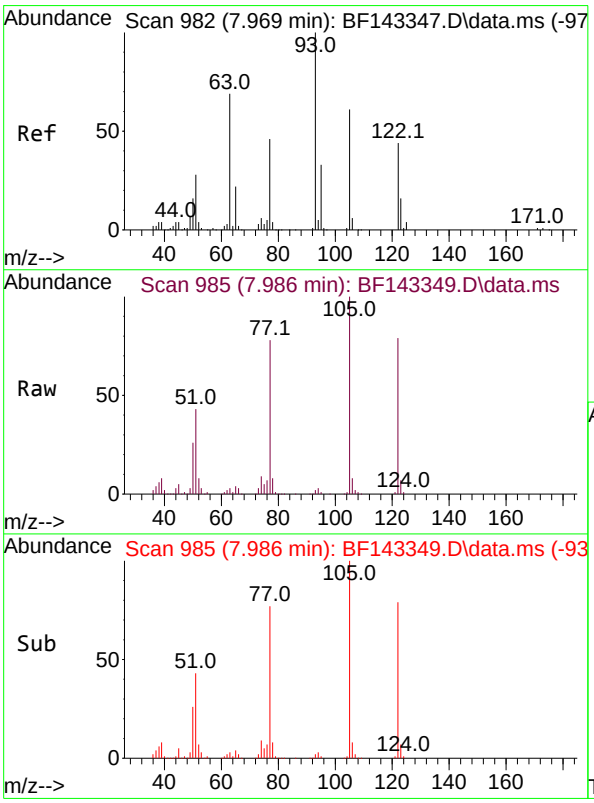
#31
Naphthalene
Concen: 57.179 ng
RT: 8.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1682766

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.3	10.7	16.1

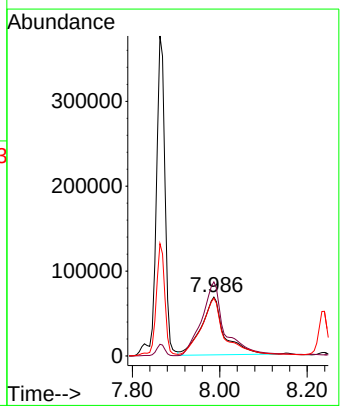


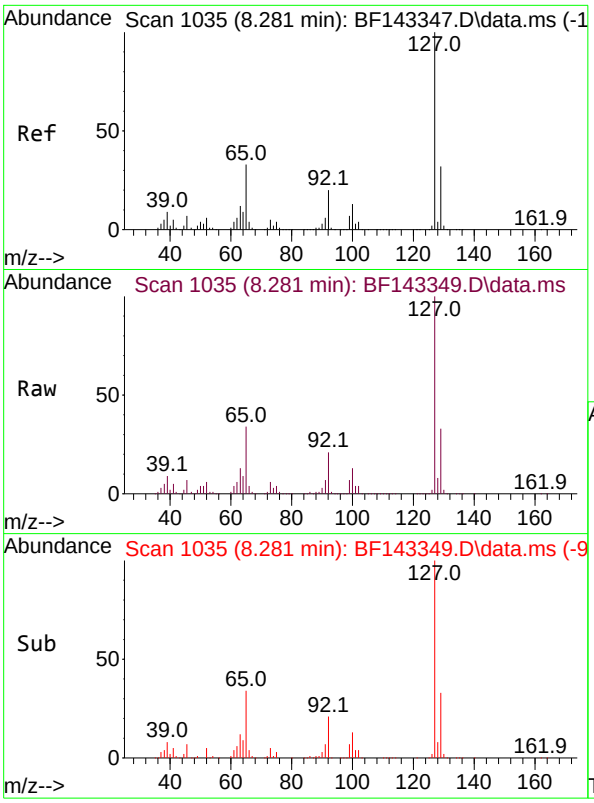


#32
Benzoic acid
Concen: 62.282 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.017 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:122 Resp: 248714

Ion	Ratio	Lower	Upper
122	100		
105	125.9	106.4	146.4
77	98.1	79.2	119.2



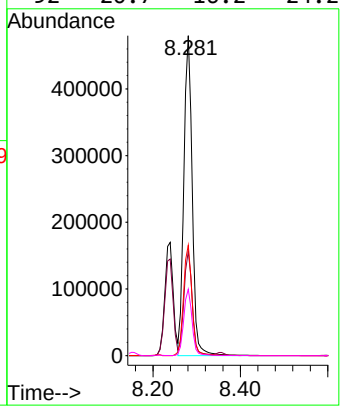


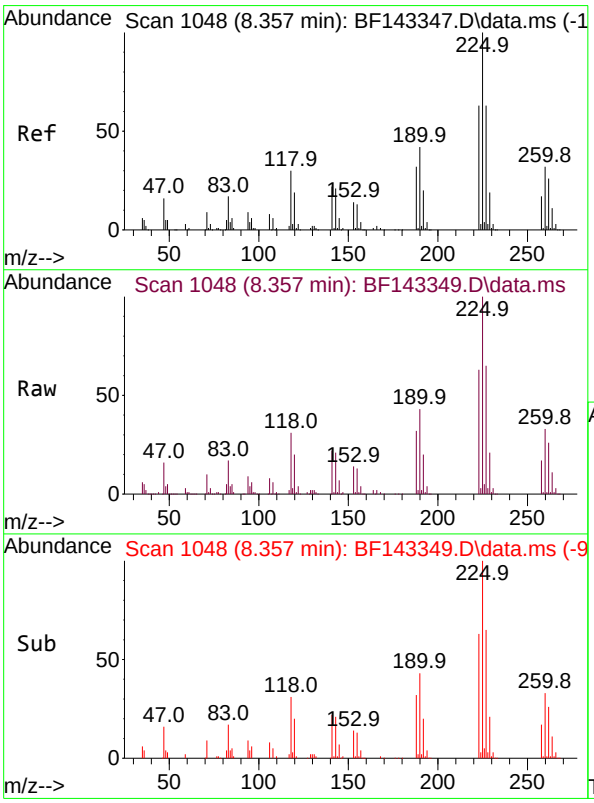
#33
4-Chloroaniline
Concen: 59.564 ng
RT: 8.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 632256

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	34.5	27.0	40.4
92	20.7	16.2	24.2

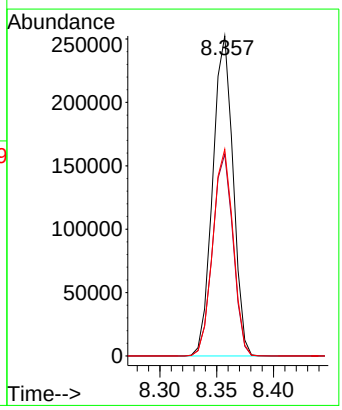


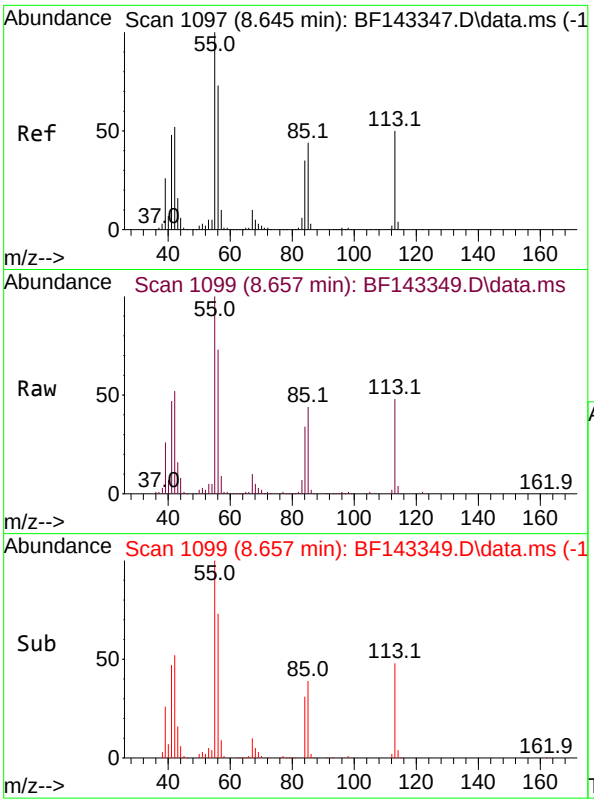


#34
Hexachlorobutadiene
Concen: 58.655 ng
RT: 8.357 min Scan# 1048
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:225 Resp: 314445

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	64.6	50.6	75.8



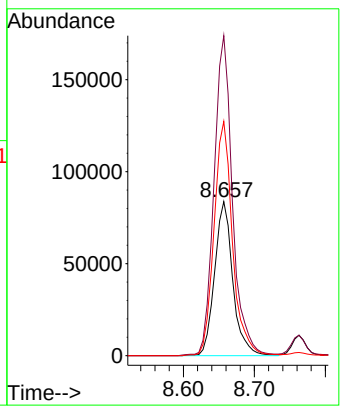


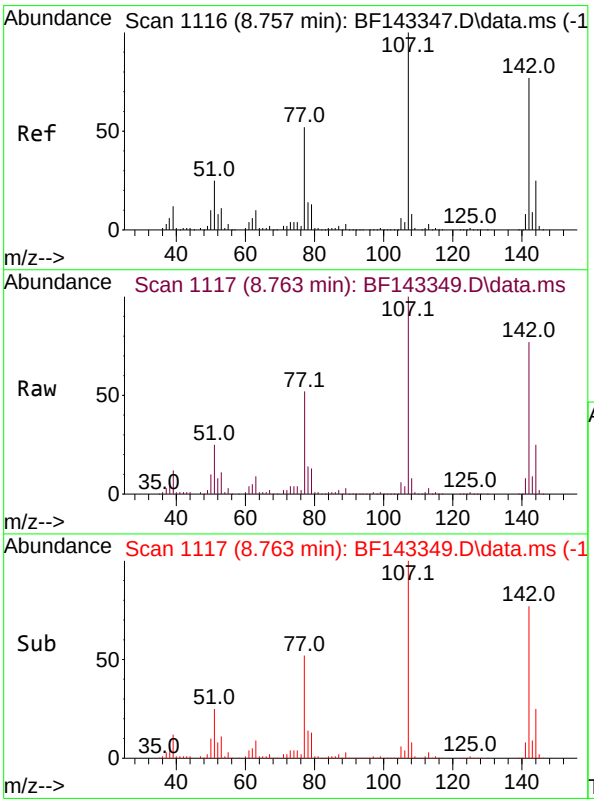
#35
Caprolactam
Concen: 64.696 ng
RT: 8.657 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 148587

Ion	Ratio	Lower	Upper
113	100		
55	207.6	181.4	221.4
56	152.0	127.3	167.3

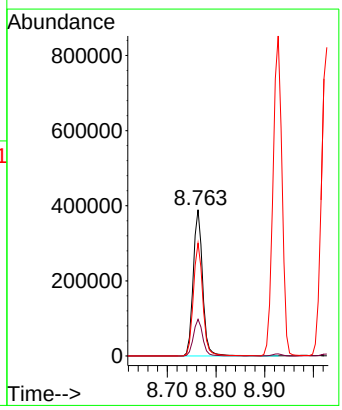


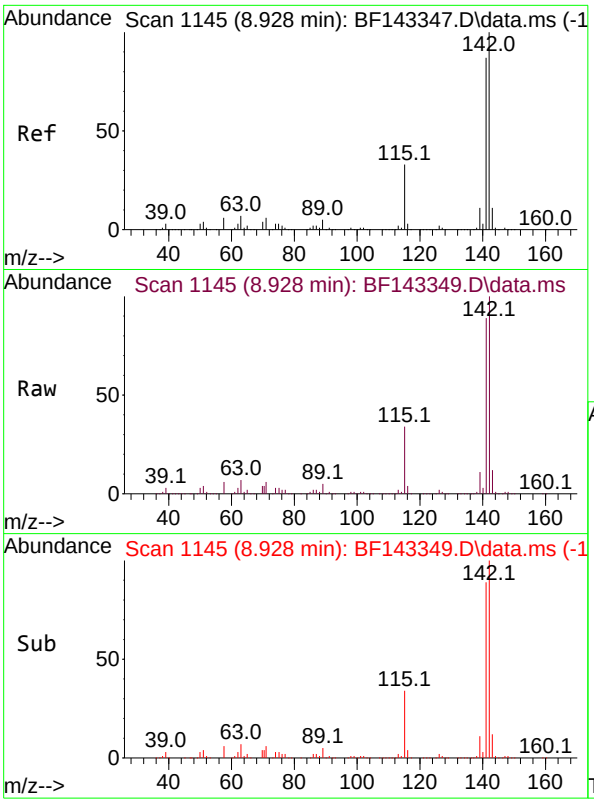


#36
4-Chloro-3-methylphenol
Concen: 61.301 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:107 Resp: 525032

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.0	30.0
142	77.2	61.3	91.9



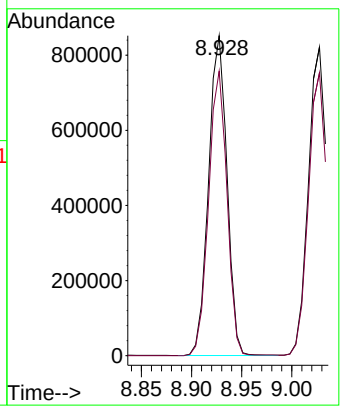


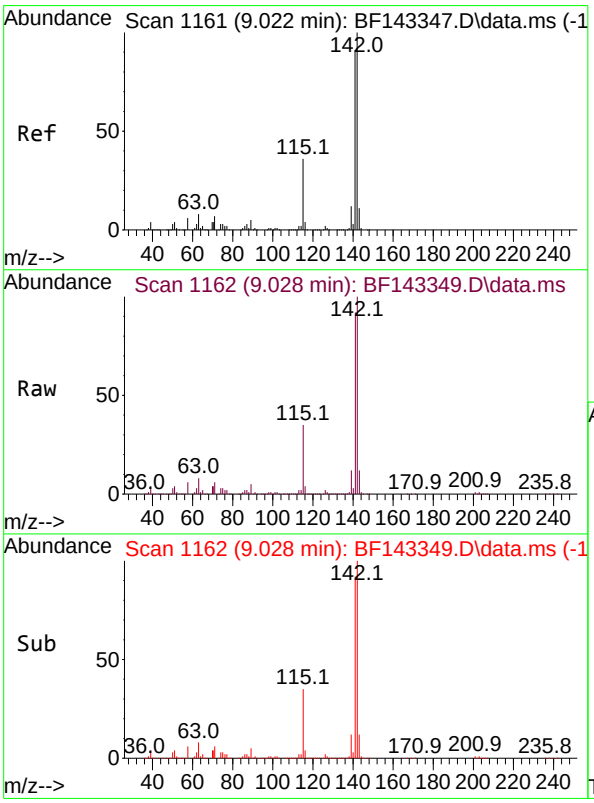
#37
2-Methylnaphthalene
Concen: 56.249 ng
RT: 8.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1088275

Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.8	104.8

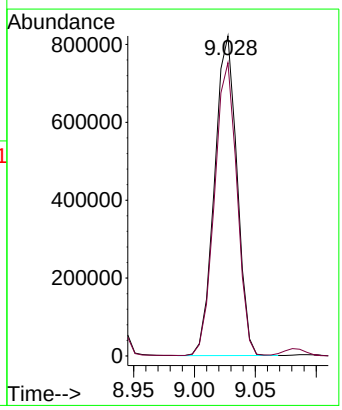


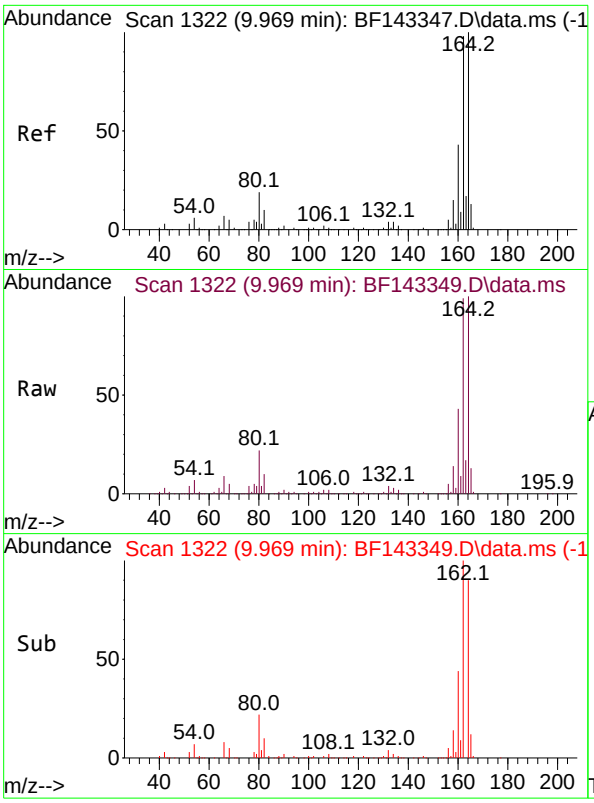


#38
1-Methylnaphthalene
Concen: 56.505 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:142 Resp: 1052909

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.0	109.4



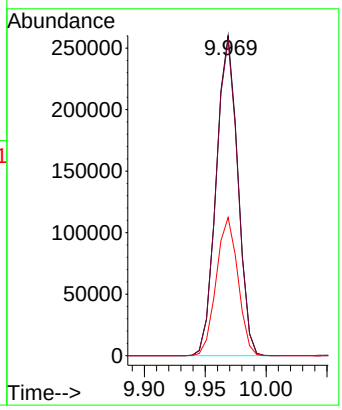


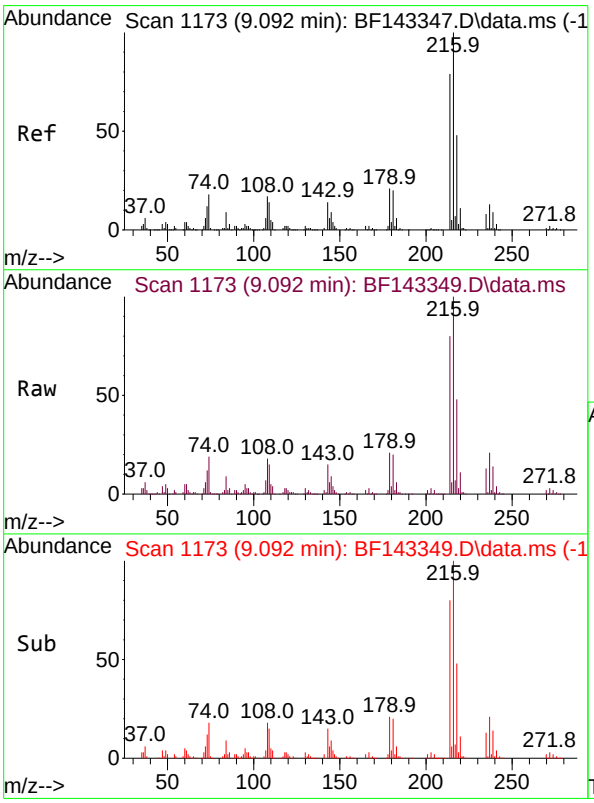
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 320321

Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.6	118.0
160	43.2	34.4	51.6

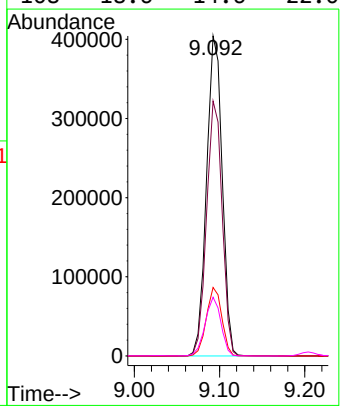


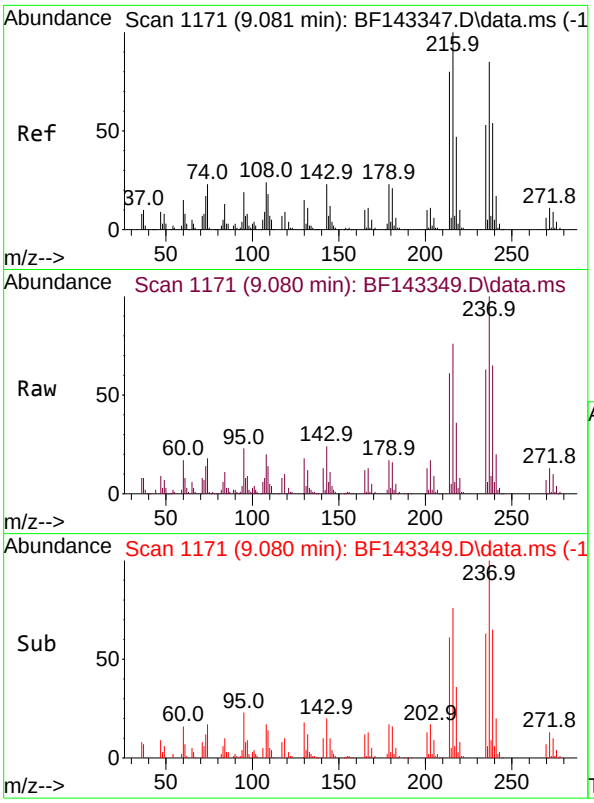


#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.880 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:216 Resp: 516108

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.4
179	21.2	17.0	25.4
108	18.6	14.6	22.0



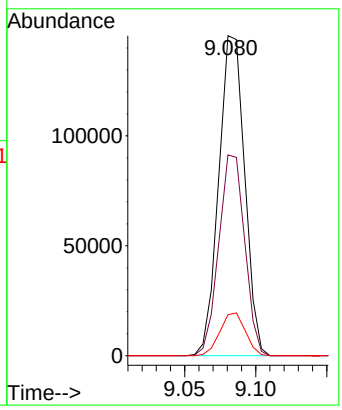


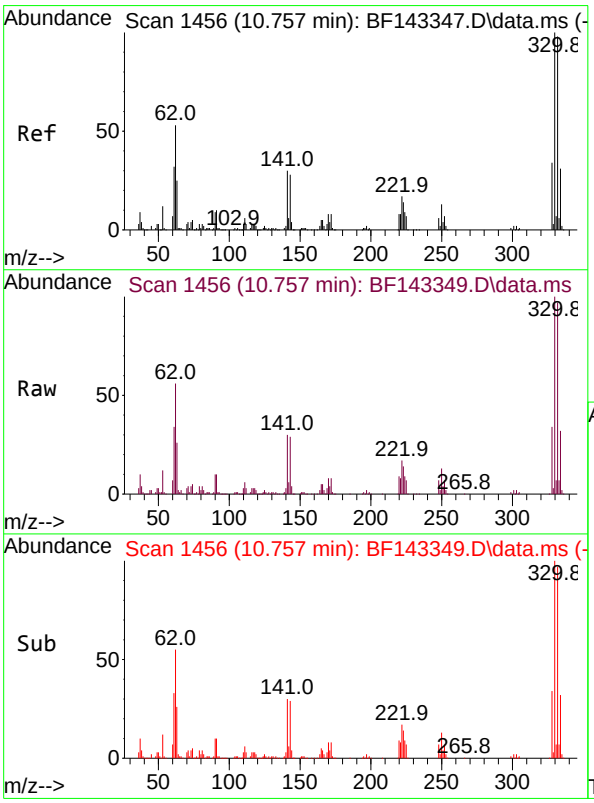
#41
Hexachlorocyclopentadiene
Concen: 61.485 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 184941

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.0	82.0
272	12.8	0.0	32.6

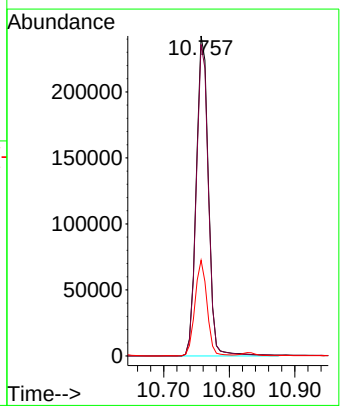


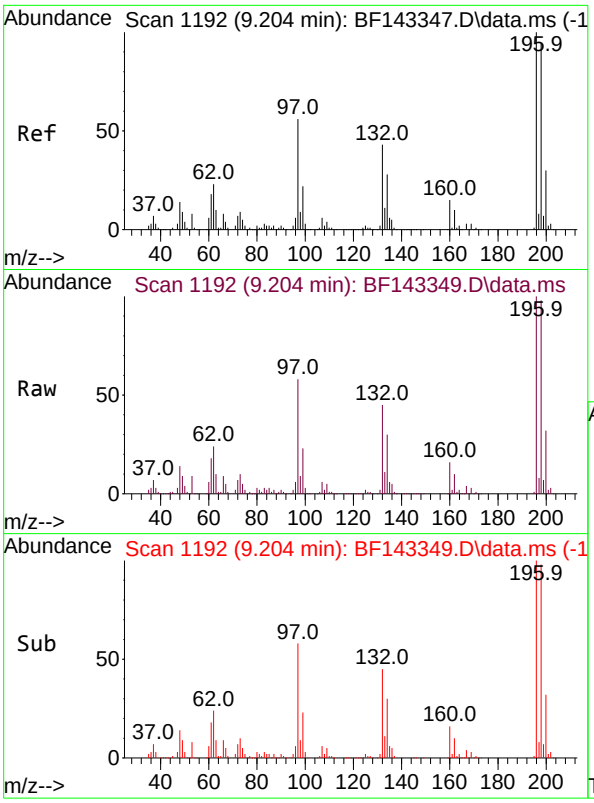


#42
2,4,6-Tribromophenol
Concen: 134.290 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:330 Resp: 314370

Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	29.3	25.4	38.0



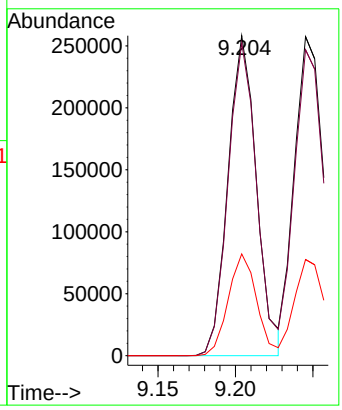


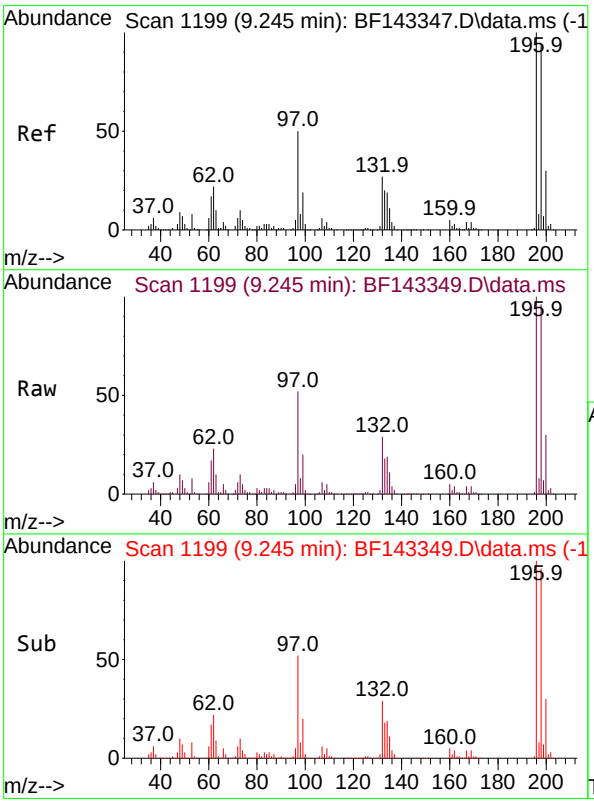
#43
2,4,6-Trichlorophenol
Concen: 66.369 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 330076

Ion	Ratio	Lower	Upper
196	100		
198	97.7	75.4	113.0
200	31.8	24.3	36.5

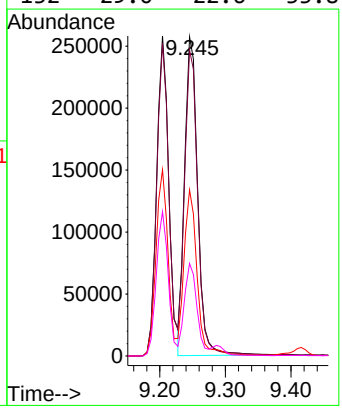


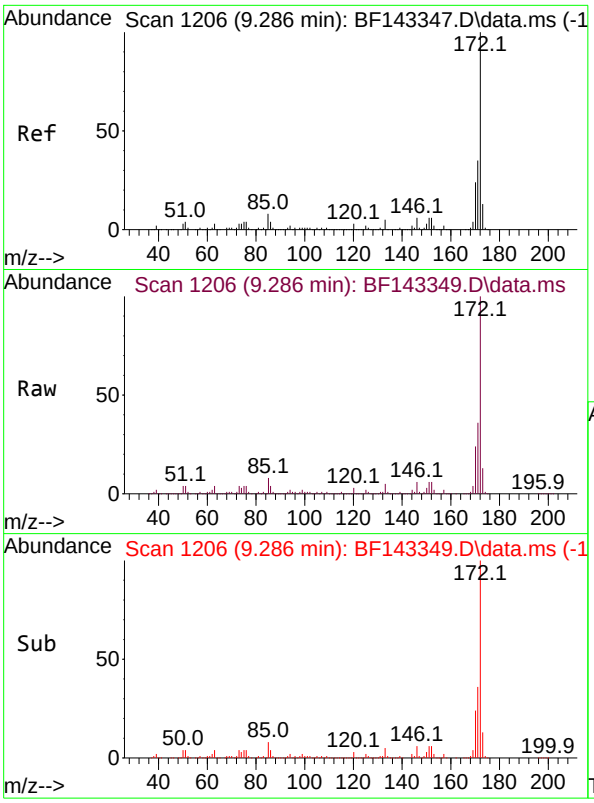


#44
2,4,5-Trichlorophenol
Concen: 63.299 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:196 Resp: 355498

Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.4	113.2
97	52.1	39.9	59.9
132	29.0	22.6	33.8



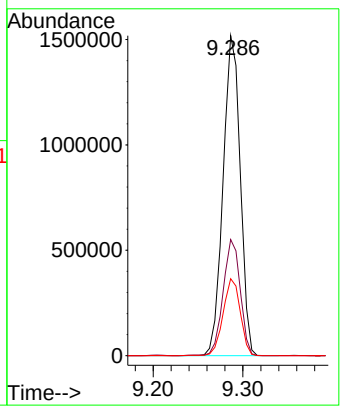


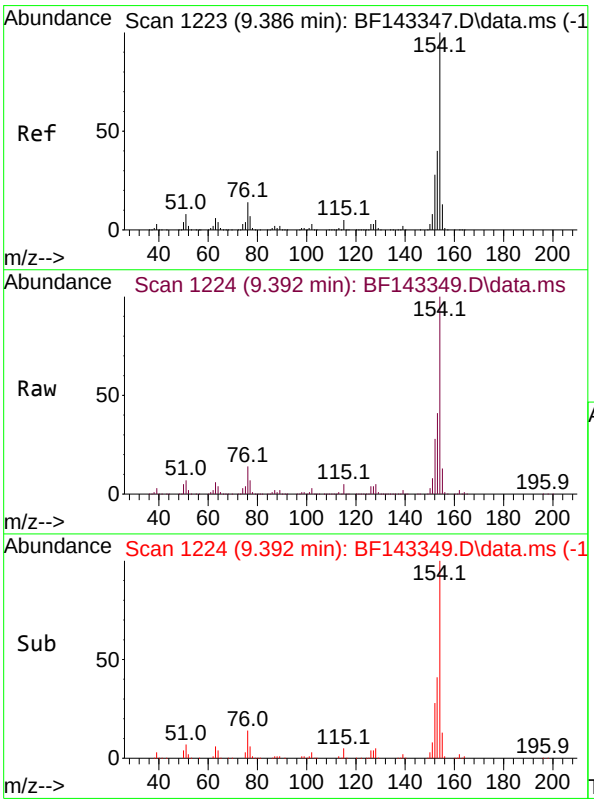
#45
2-Fluorobiphenyl
Concen: 106.990 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 2021003

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.4	42.6
170	24.1	19.1	28.7

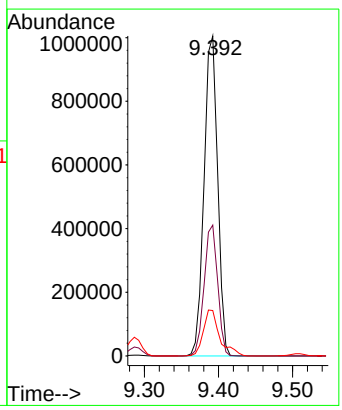


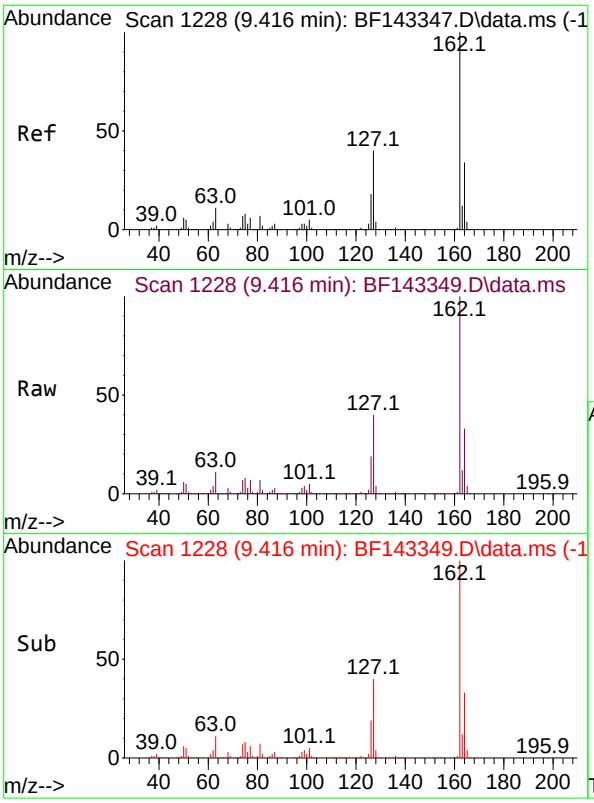


#46
1,1'-Biphenyl
Concen: 56.642 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:154 Resp: 1282862

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.2	60.2
76	14.2	0.0	34.4



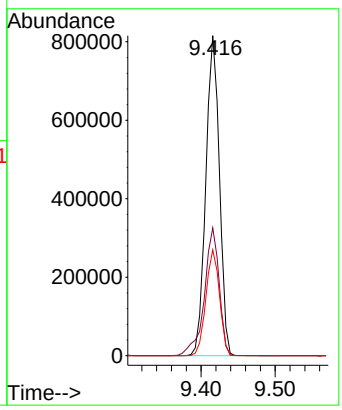


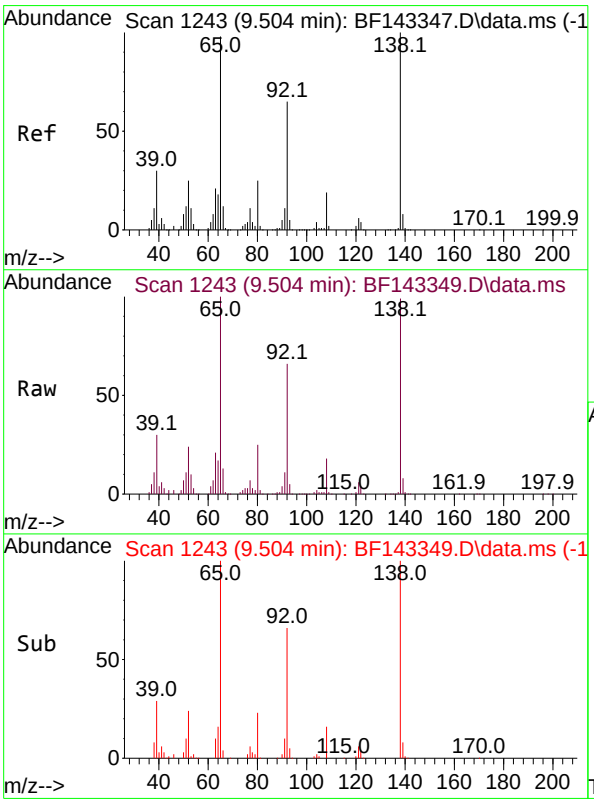
#47
2-Chloronaphthalene
Concen: 58.223 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1038548

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.1	48.1
164	33.1	27.0	40.4

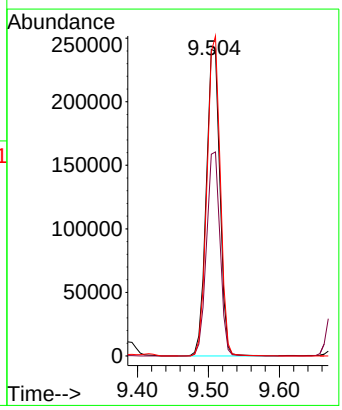


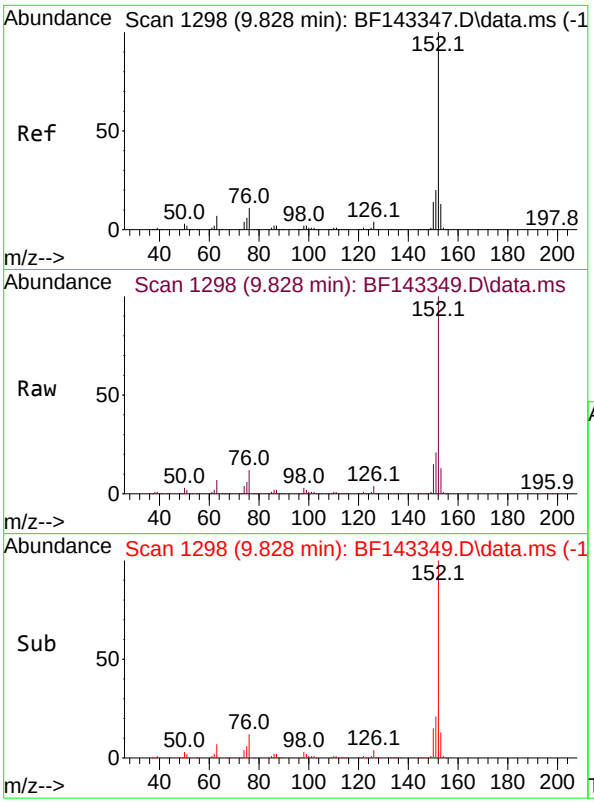


#48
2-Nitroaniline
Concen: 61.917 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion: 65 Resp: 322909

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.1	79.7
138	99.2	81.4	122.0



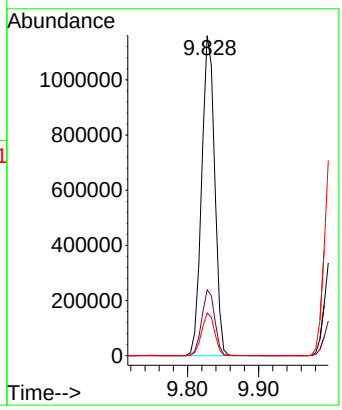


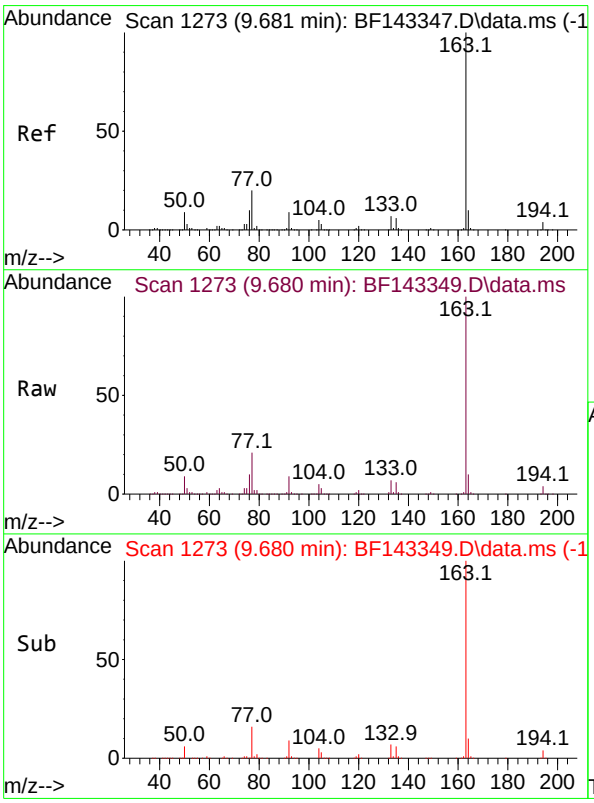
#49
Acenaphthylene
Concen: 57.494 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1481001

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2
153	13.4	10.6	16.0

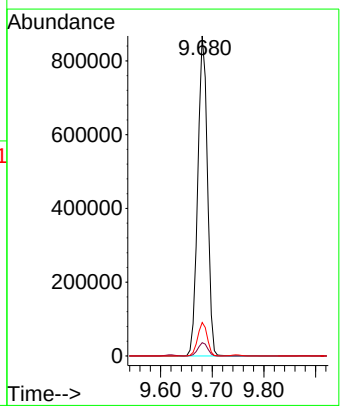


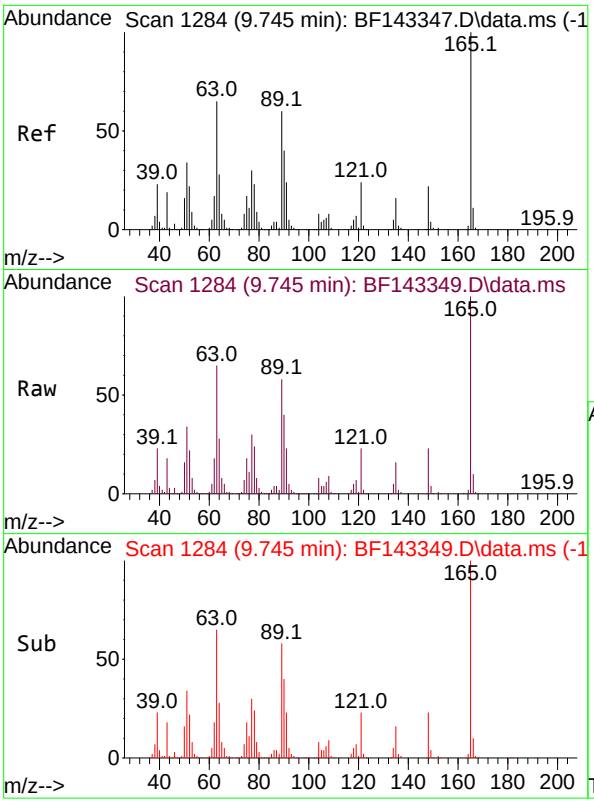


#50
Dimethylphthalate
Concen: 60.109 ng
RT: 9.680 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:163 Resp: 1125050

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.5	8.2	12.2



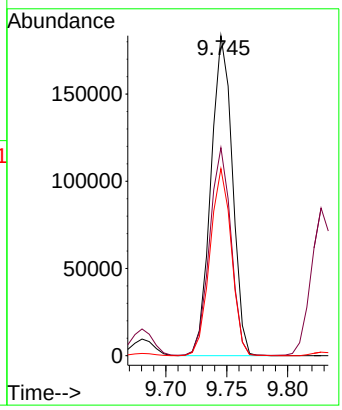


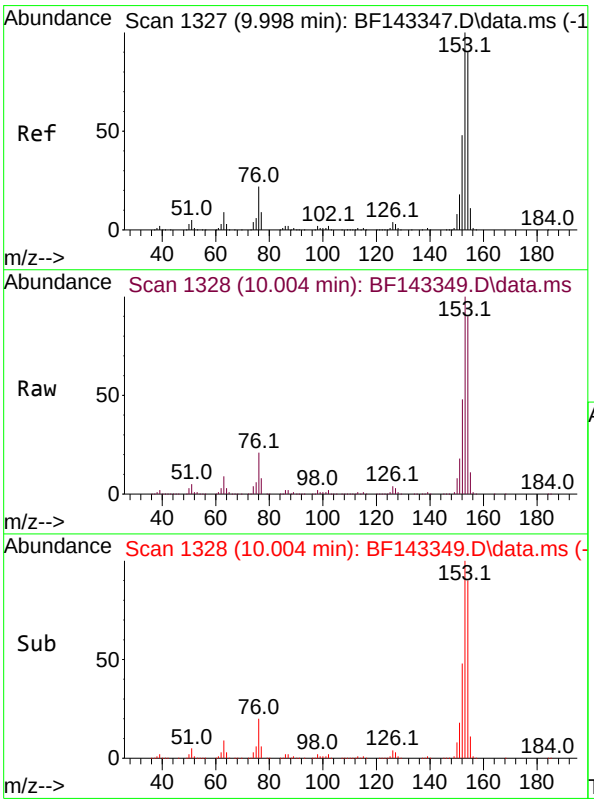
#51
2,6-Dinitrotoluene
Concen: 62.496 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 224724

Ion	Ratio	Lower	Upper
165	100		
63	65.0	51.6	77.4
89	58.4	47.7	71.5

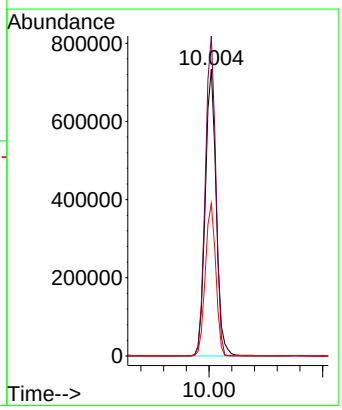


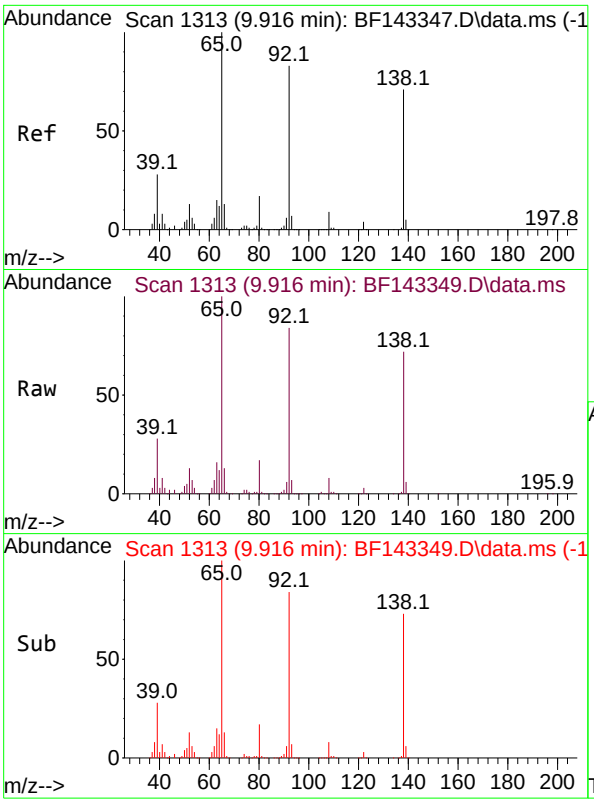


#52
Acenaphthene
Concen: 57.055 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:154 Resp: 977067

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.5	132.7
152	53.1	42.4	63.6



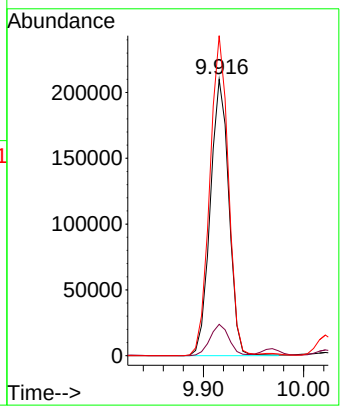


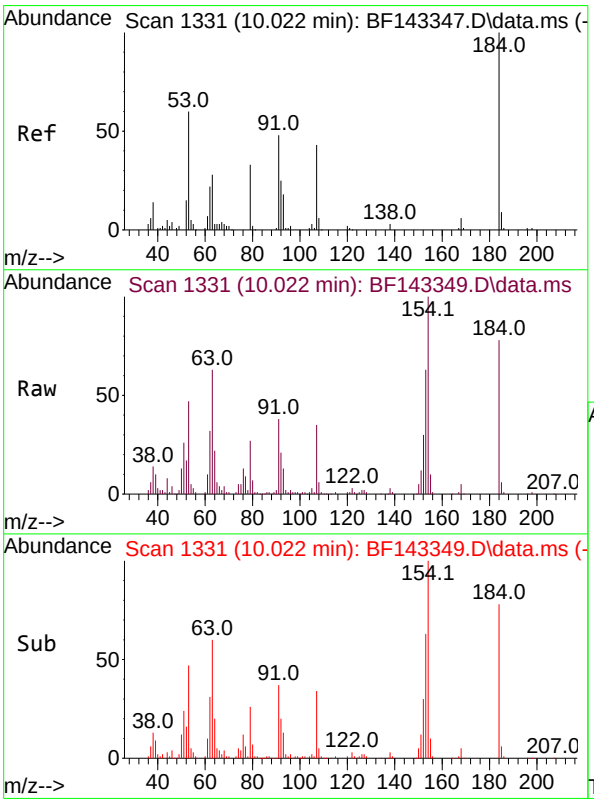
#53
3-Nitroaniline
Concen: 70.462 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 270085

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.6	14.4
92	115.8	93.4	140.2

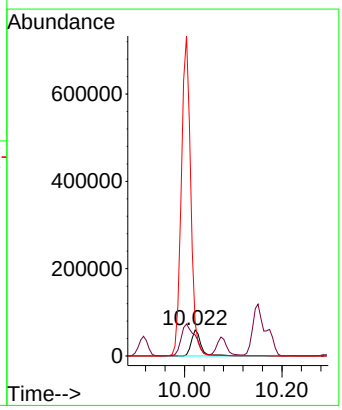


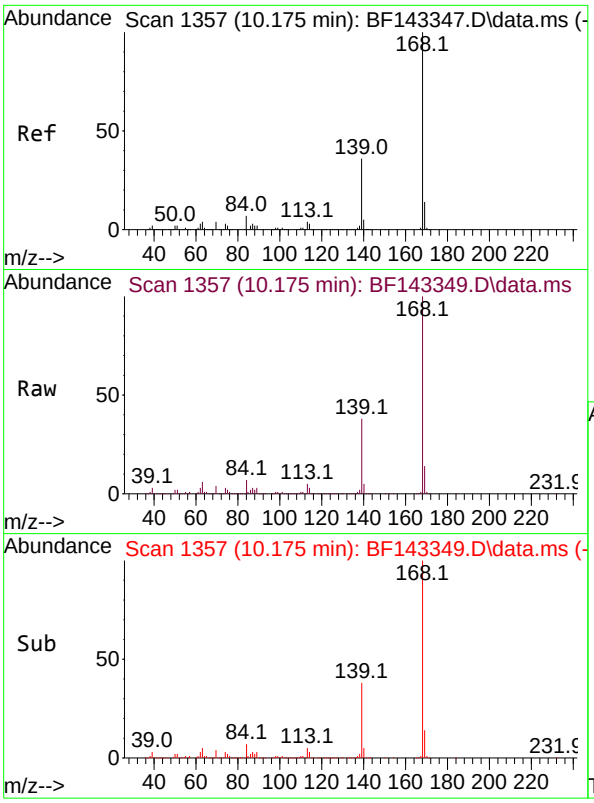


#54
2,4-Dinitrophenol
Concen: 62.319 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:184 Resp: 82451

Ion	Ratio	Lower	Upper
184	100		
63	81.0	62.5	93.7
154	128.7	73.0	109.4#



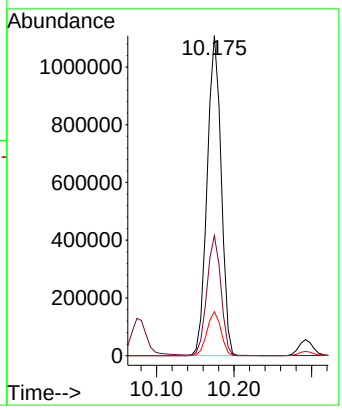


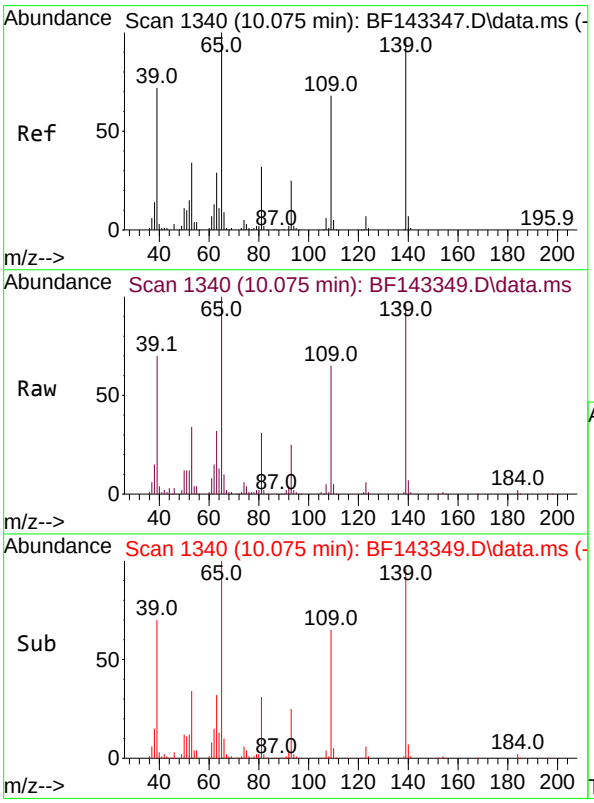
#55
Dibenzofuran
Concen: 56.379 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1389556

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.4	44.0
169	13.8	11.0	16.6

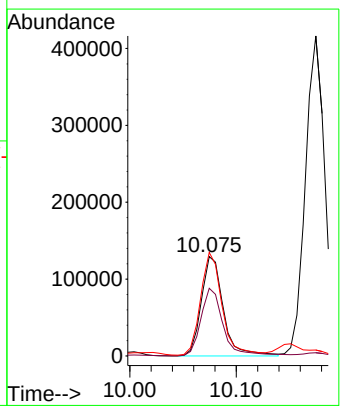


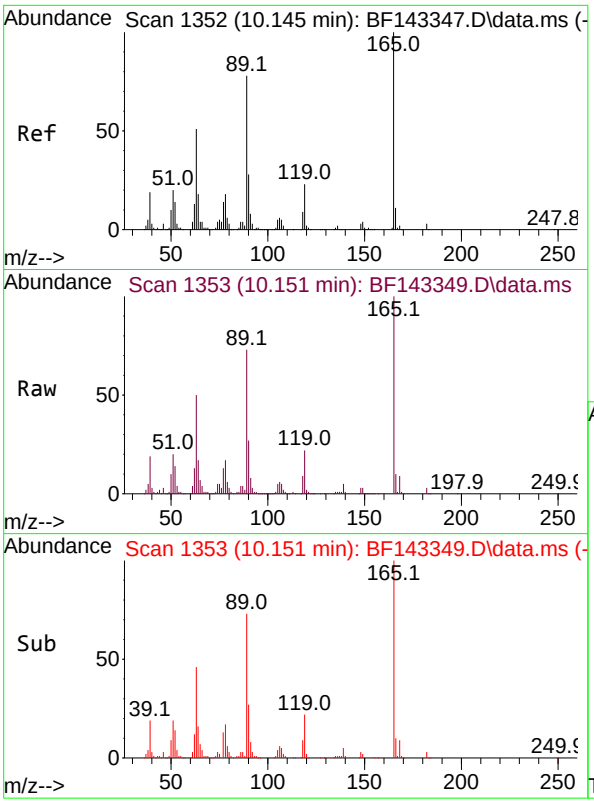


#56
4-Nitrophenol
Concen: 62.130 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:139 Resp: 186307

Ion	Ratio	Lower	Upper
139	100		
109	68.0	49.4	89.4
65	104.1	83.7	123.7



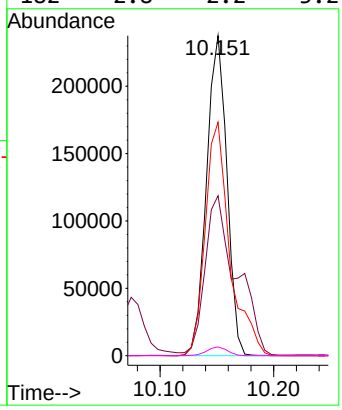


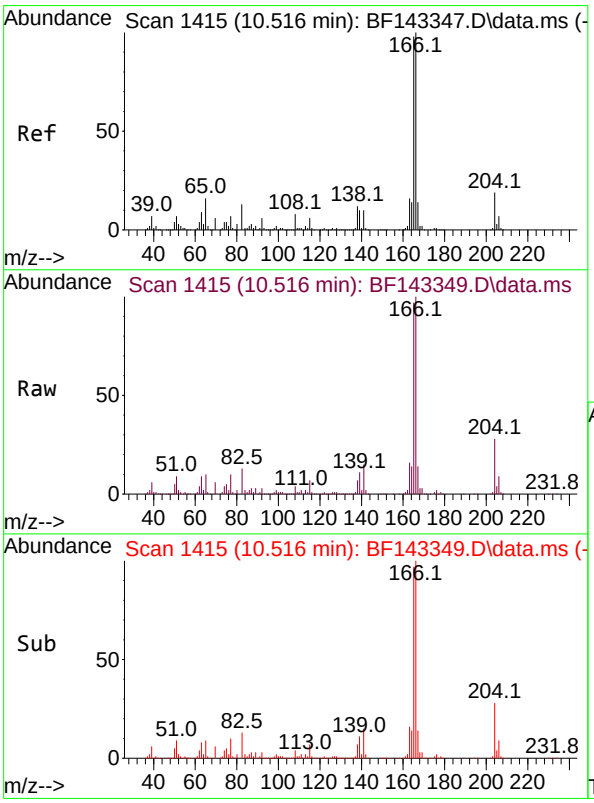
#57
2,4-Dinitrotoluene
Concen: 61.944 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 295520

Ion	Ratio	Lower	Upper
165	100		
63	50.0	41.8	62.8
89	73.0	62.4	93.6
182	2.8	2.2	3.2

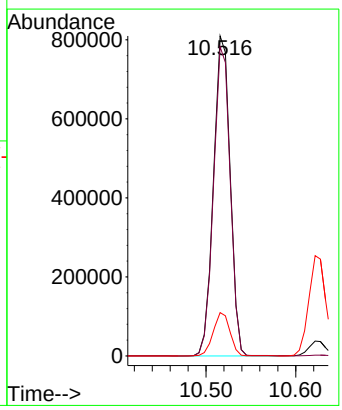


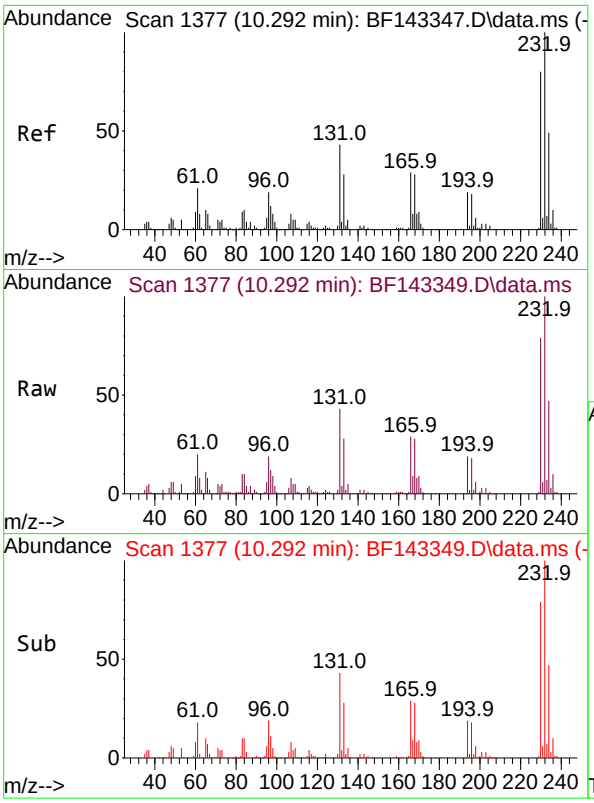


#58
Fluorene
Concen: 55.570 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:166 Resp: 1046138

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.2	117.4
167	13.6	10.9	16.3



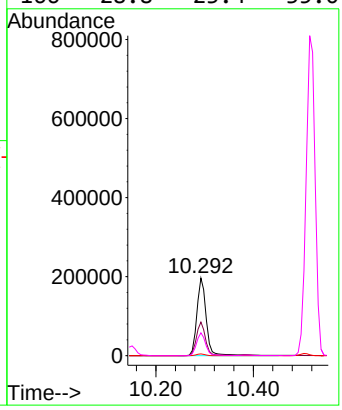


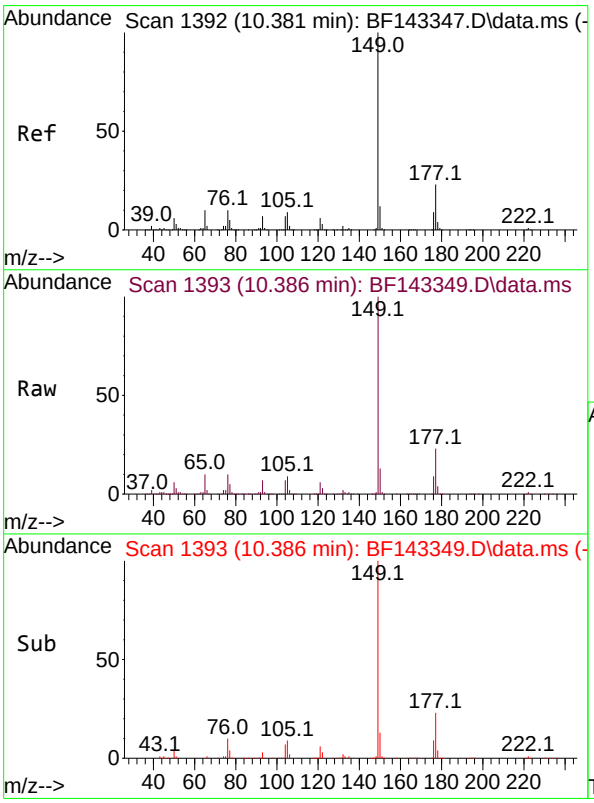
#59
2,3,4,6-Tetrachlorophenol
Concen: 70.050 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 265201

Ion	Ratio	Lower	Upper
232	100		
131	42.0	34.6	51.8
130	2.1	1.7	2.5
166	28.8	23.4	35.0

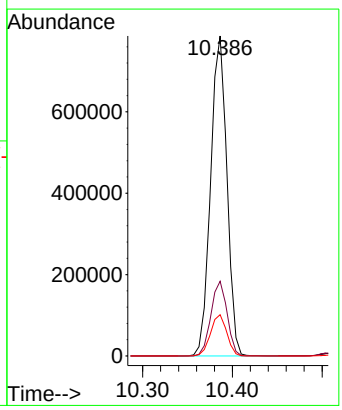


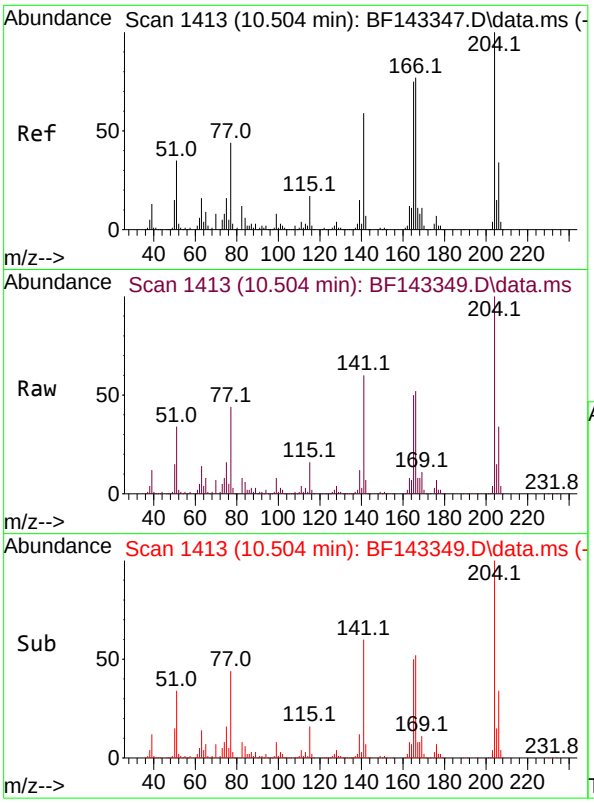


#60
Diethylphthalate
Concen: 59.094 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 990716

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.9	9.9	14.9



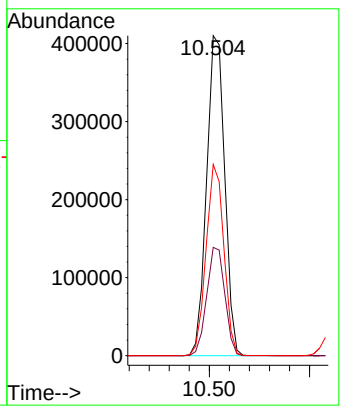


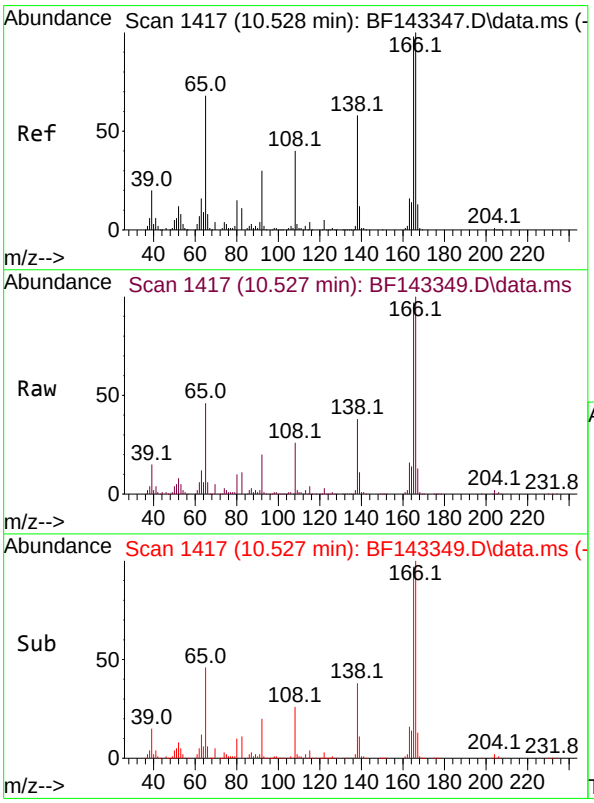
#61
4-Chlorophenyl-phenylether
Concen: 56.664 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 515436

Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	59.8	46.9	70.3

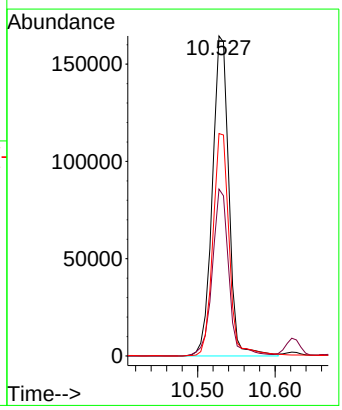


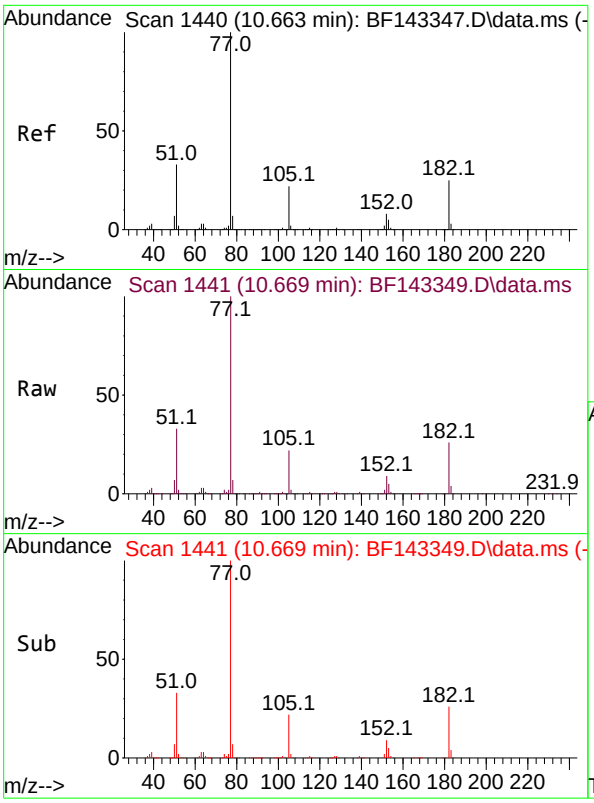


#62
4-Nitroaniline
Concen: 65.508 ng
RT: 10.527 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:138 Resp: 242938

Ion	Ratio	Lower	Upper
138	100		
92	52.2	31.2	71.2
108	69.5	48.1	88.1



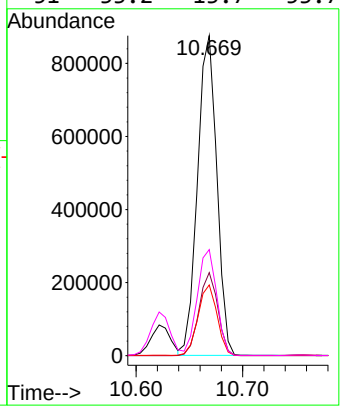


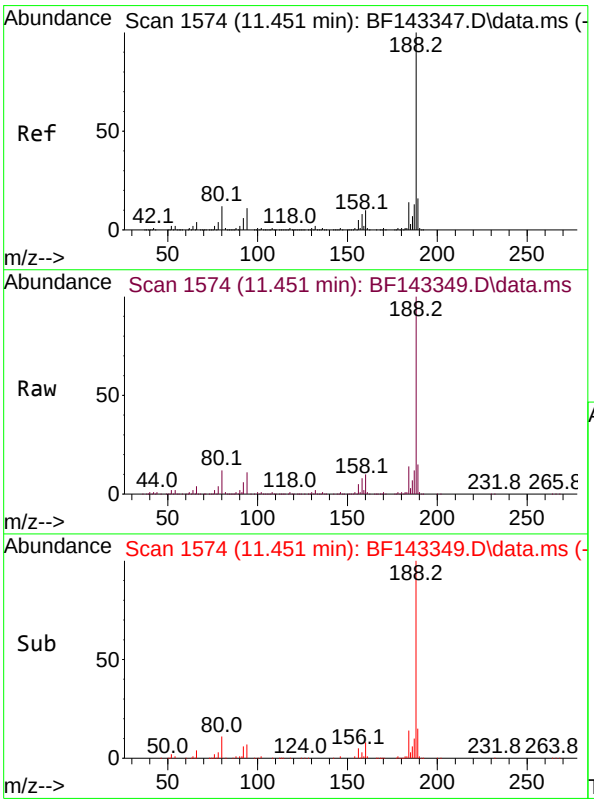
#63
Azobenzene
Concen: 57.669 ng
RT: 10.669 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1104323

Ion	Ratio	Lower	Upper
77	100		
182	26.0	4.4	44.4
105	22.1	1.8	41.8
51	33.2	13.7	53.7

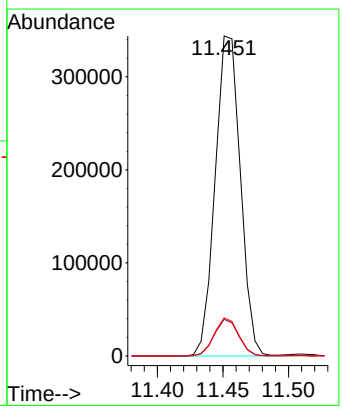


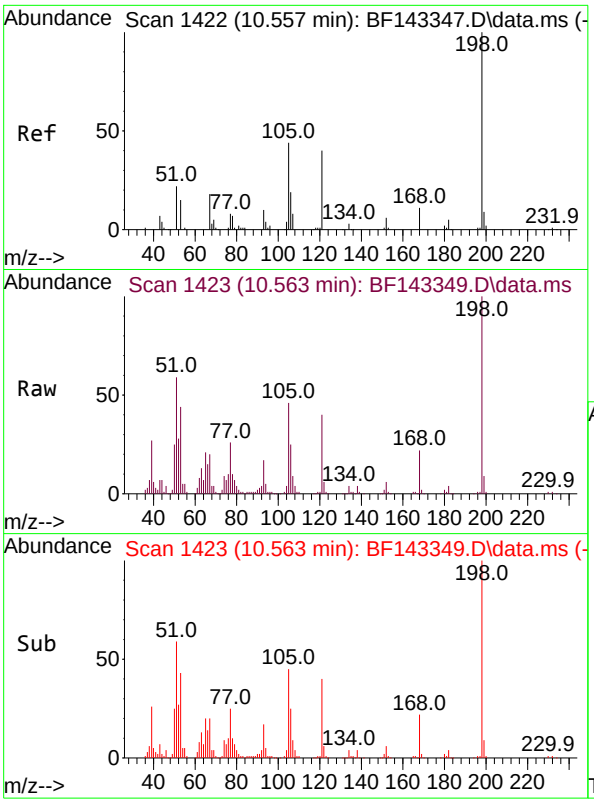


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:188 Resp: 460173

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.8	13.2
80	11.9	9.7	14.5



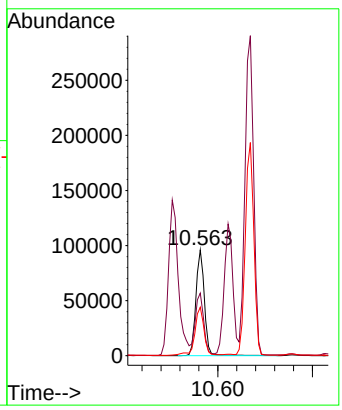


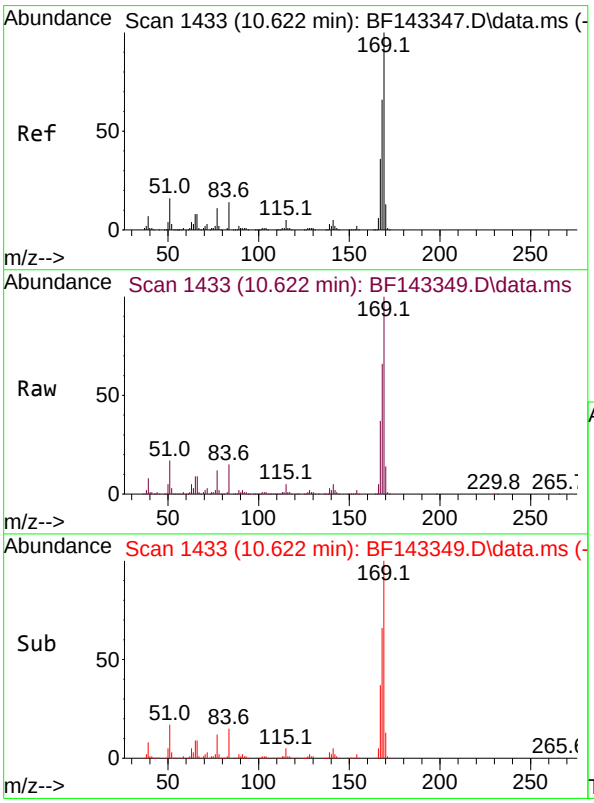
#65
4,6-Dinitro-2-methylphenol
Concen: 61.844 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 119734

Ion	Ratio	Lower	Upper
198	100		
51	59.2	41.7	81.7
105	45.8	26.8	66.8

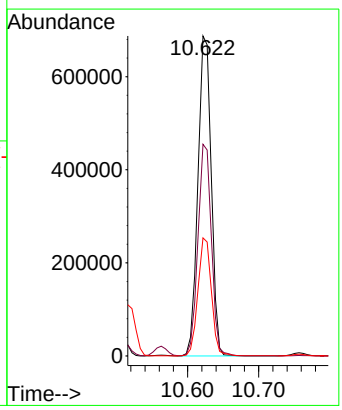


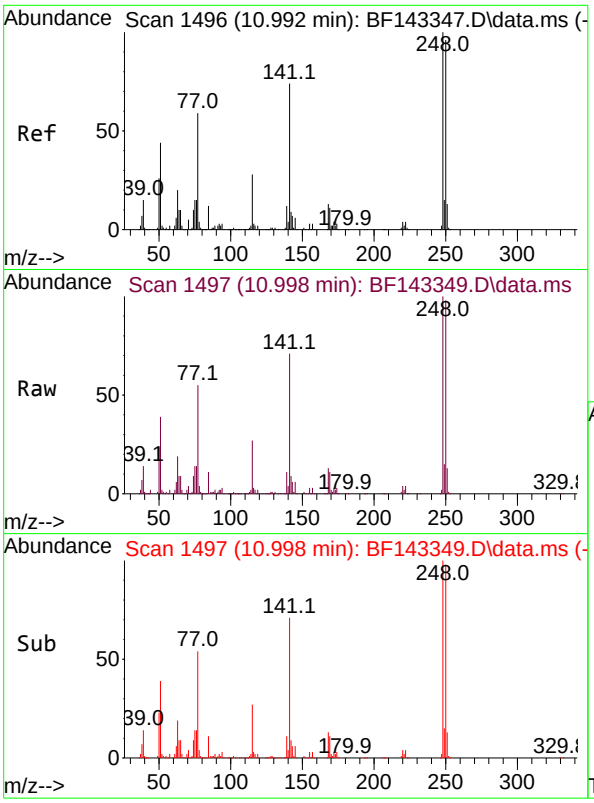


#66
n-Nitrosodiphenylamine
Concen: 59.328 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:169 Resp: 898967

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.7	79.1
167	36.9	28.6	42.8



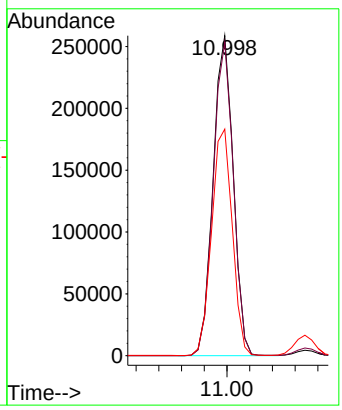


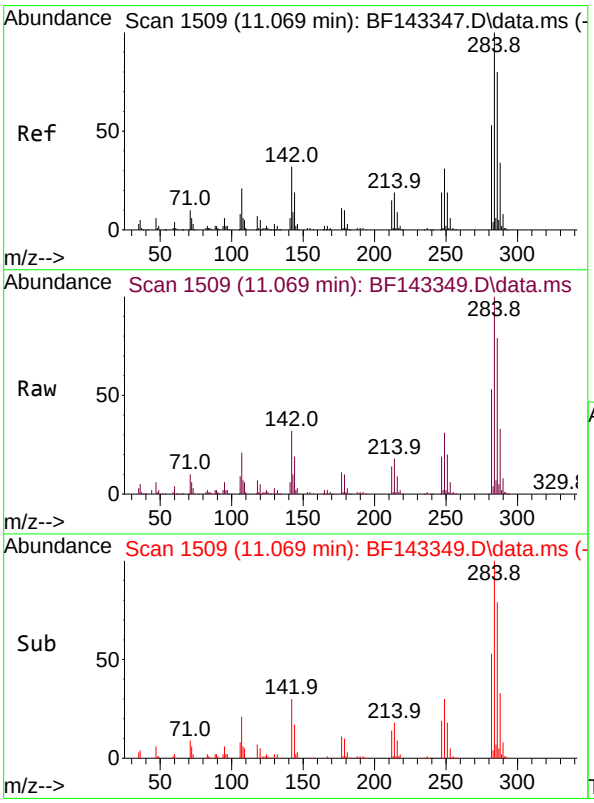
#67
4-Bromophenyl-phenylether
Concen: 60.555 ng
RT: 10.998 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 318696

Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.1	115.7
141	70.8	59.1	88.7

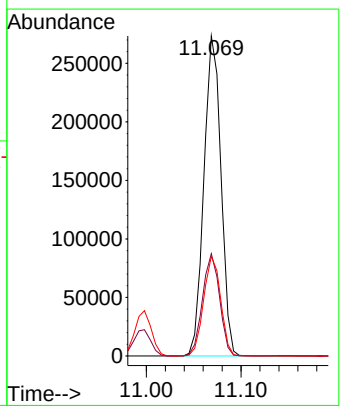


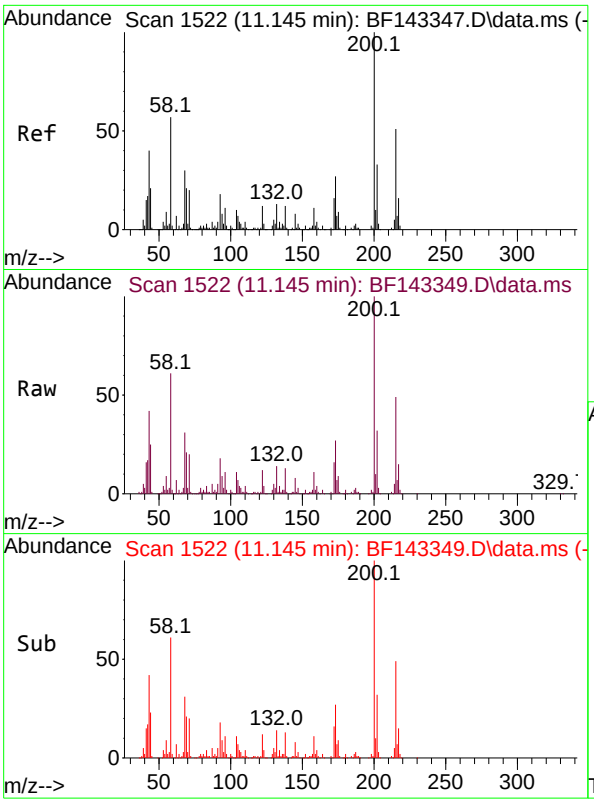


#68
Hexachlorobenzene
Concen: 60.282 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:284 Resp: 341976

Ion	Ratio	Lower	Upper
284	100		
142	32.0	25.7	38.5
249	31.1	24.6	37.0



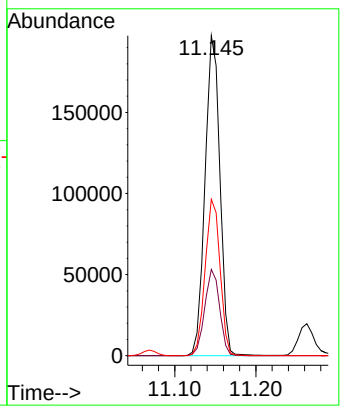


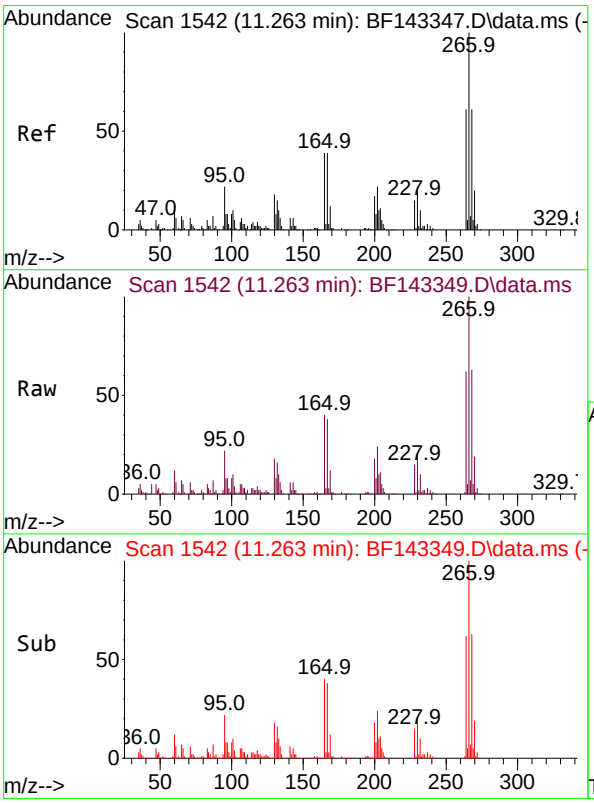
#69
Atrazine
Concen: 63.410 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 250602

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.6	46.6
215	48.9	30.6	70.6

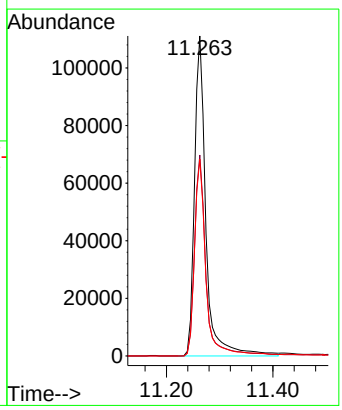


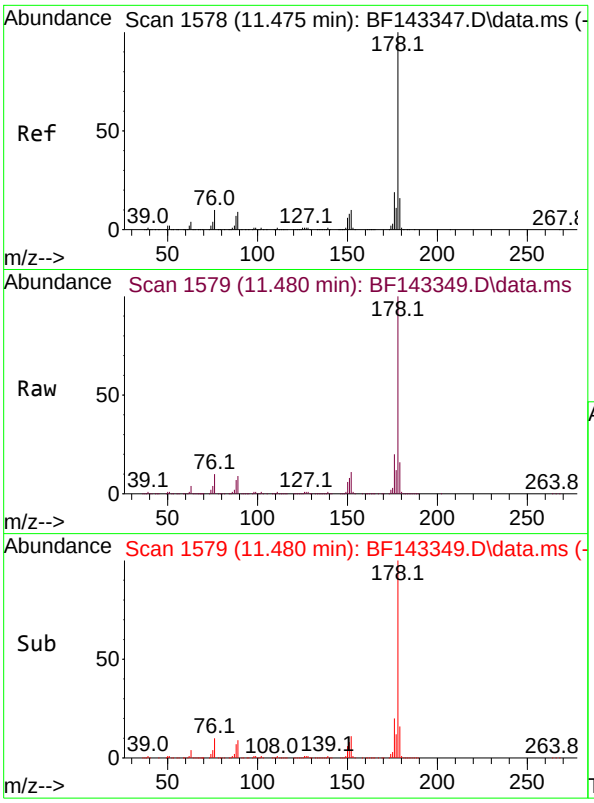


#70
Pentachlorophenol
Concen: 61.169 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:266 Resp: 165675

Ion	Ratio	Lower	Upper
266	100		
268	62.8	48.8	73.2
264	61.5	48.8	73.2



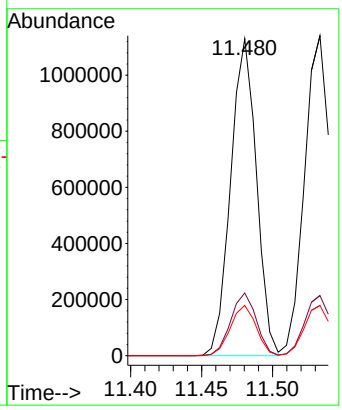


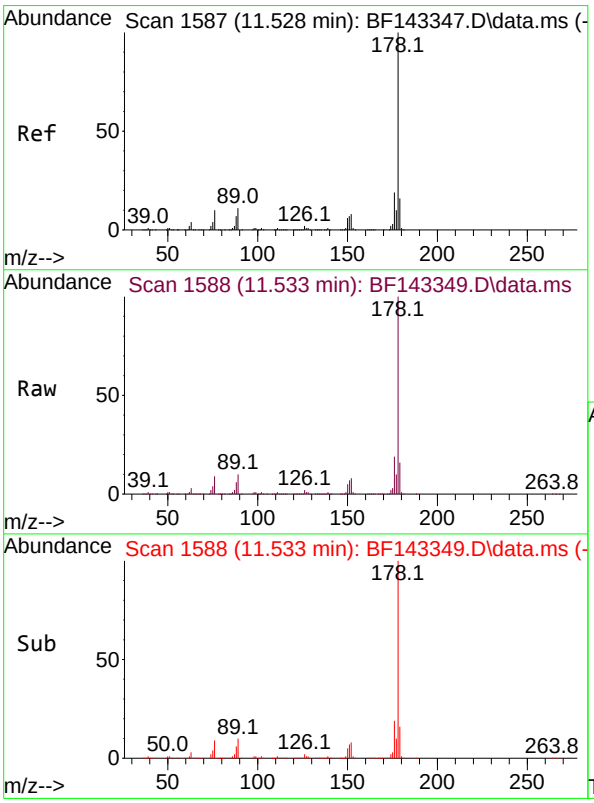
#71
Phenanthrene
Concen: 56.831 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1426848

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.9	12.5	18.7

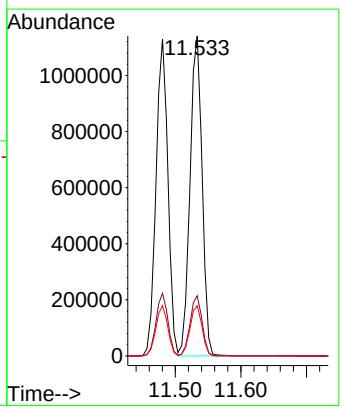


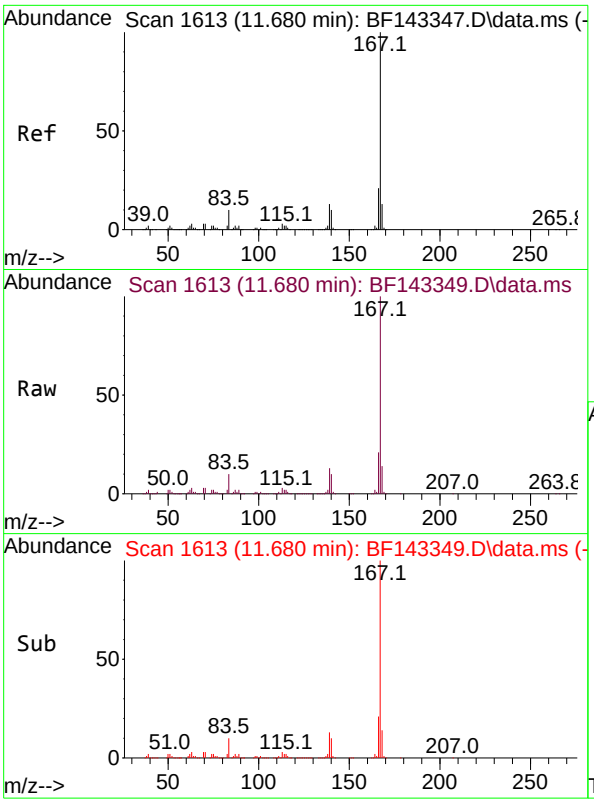


#72
Anthracene
Concen: 57.330 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:178 Resp: 1459751

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.7	19.1



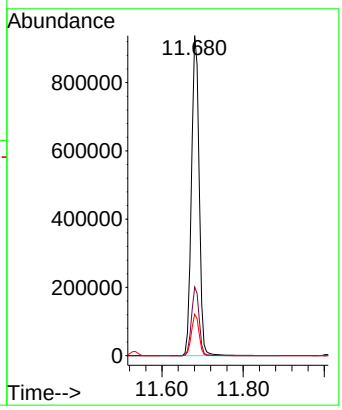


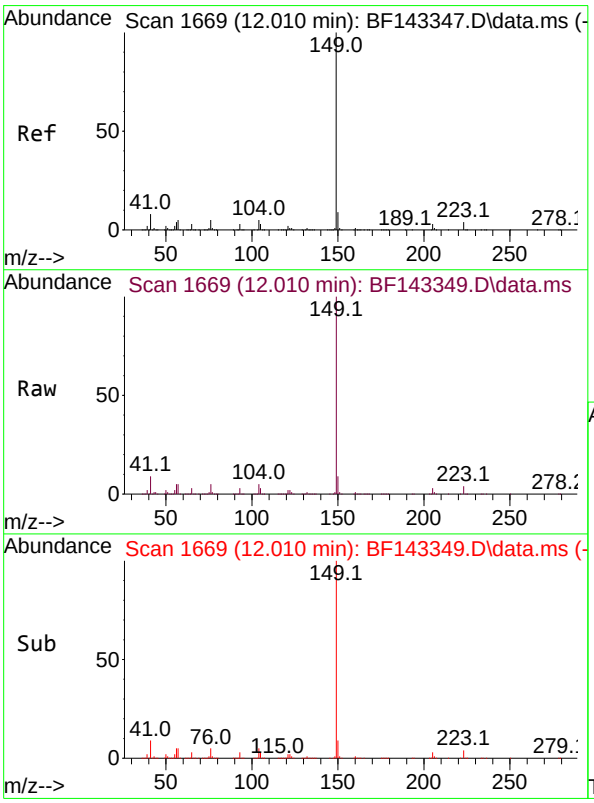
#73
Carbazole
Concen: 56.857 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1232939

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	13.0	10.2	15.2

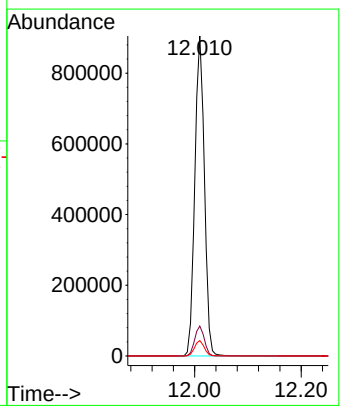


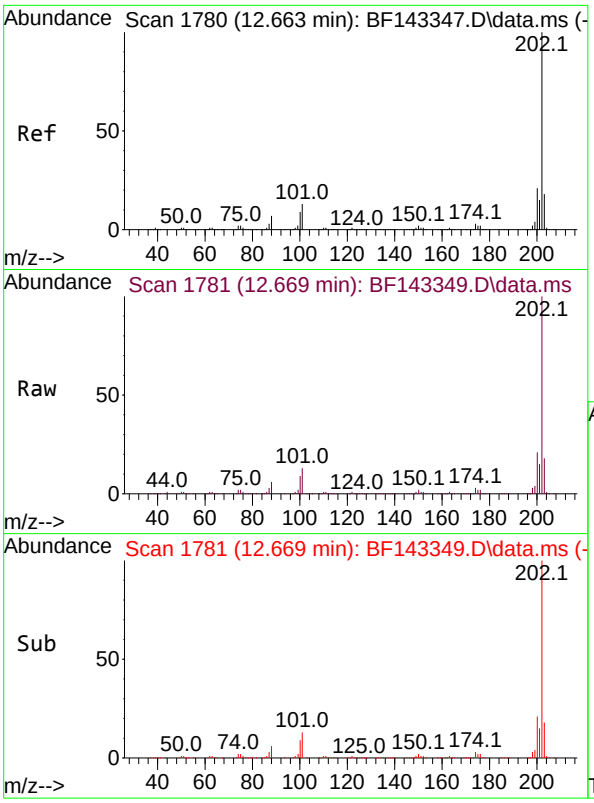


#74
Di-n-butylphthalate
Concen: 61.437 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 1127365

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.8	3.8	5.8



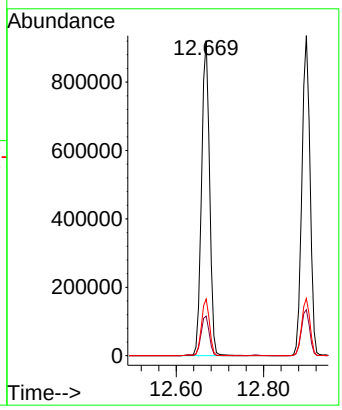


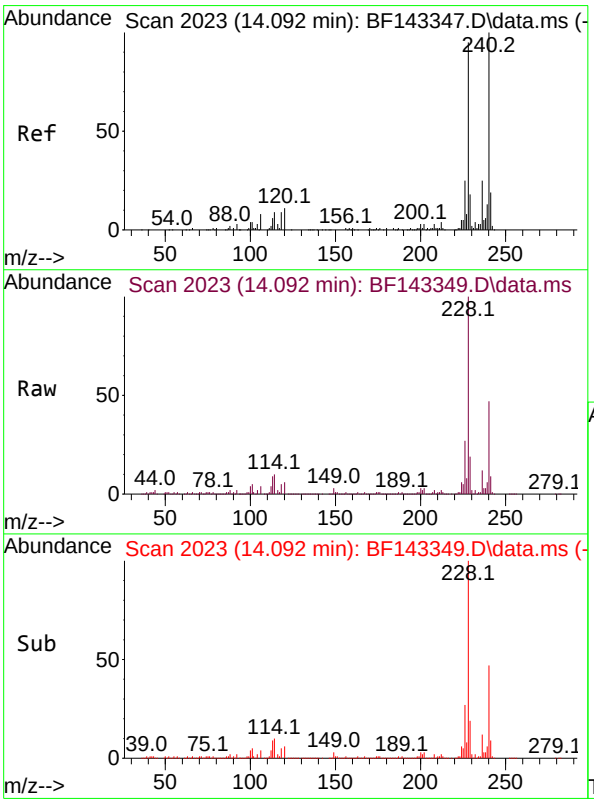
#75
Fluoranthene
Concen: 53.737 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1181812

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	18.0	0.0	37.6

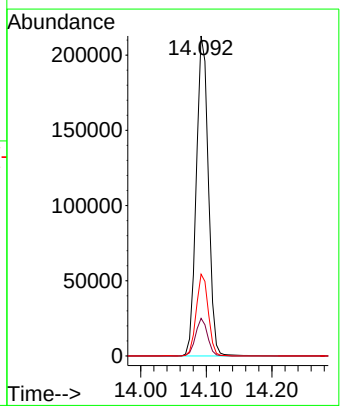


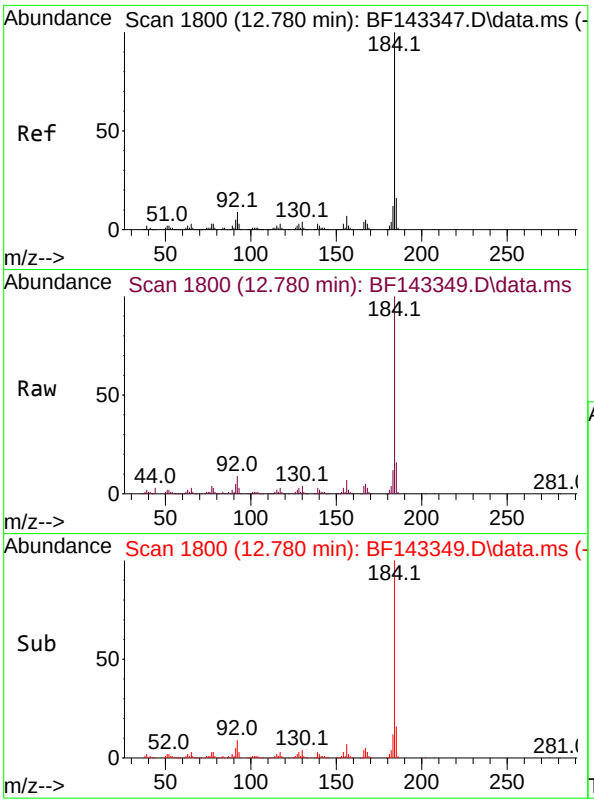


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:240 Resp: 273246

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.6	19.9	29.9



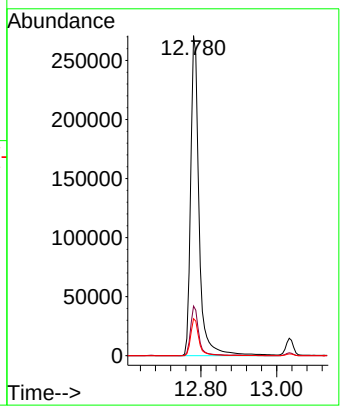


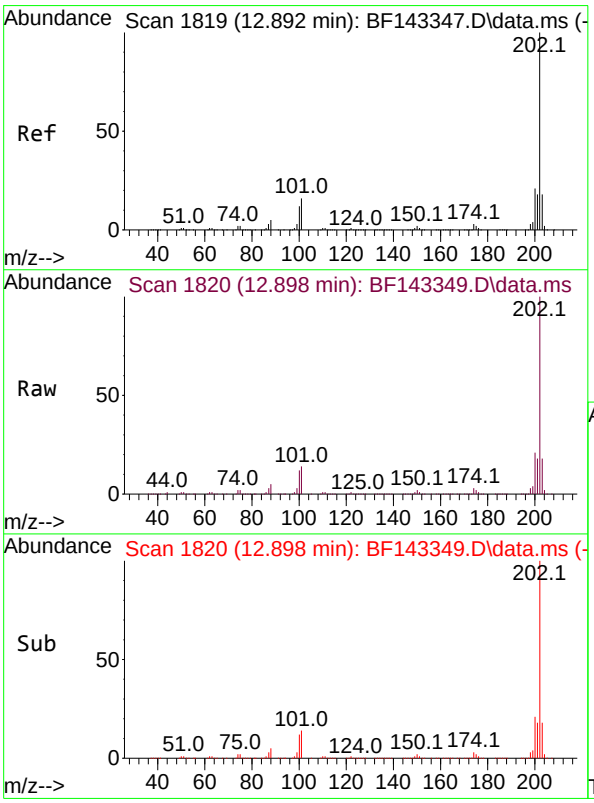
#77
Benzidine
Concen: 56.115 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 419198

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.8	19.2
183	11.5	9.3	13.9

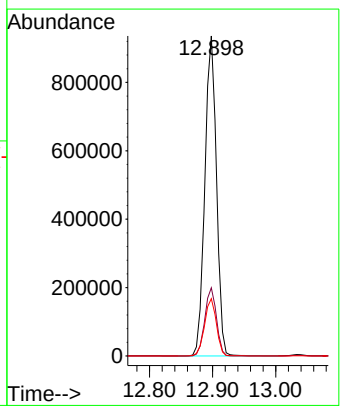


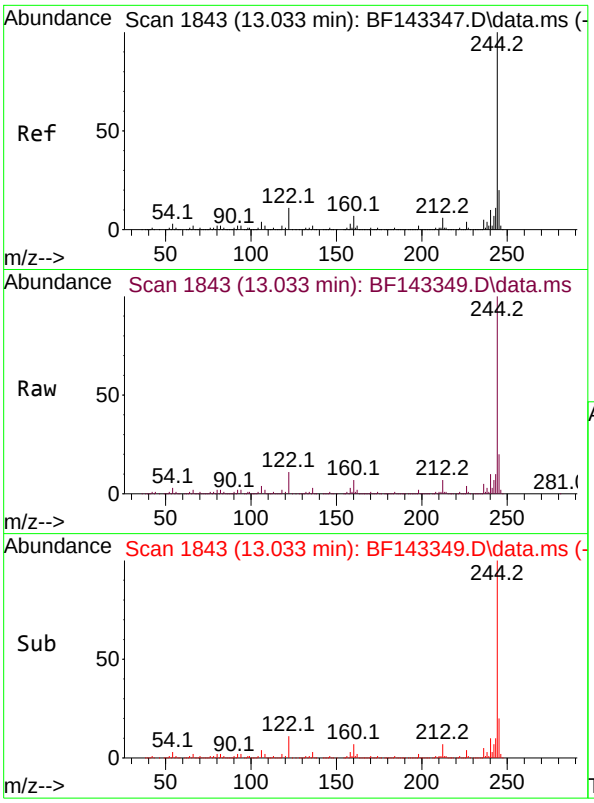


#78
Pyrene
Concen: 52.212 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:202 Resp: 1196849

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.9	14.2	21.4



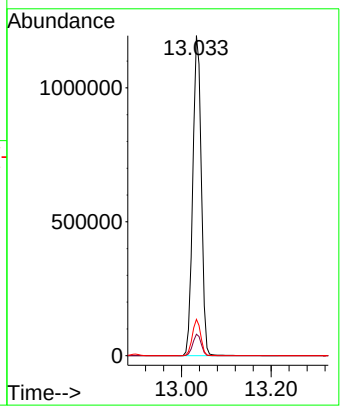


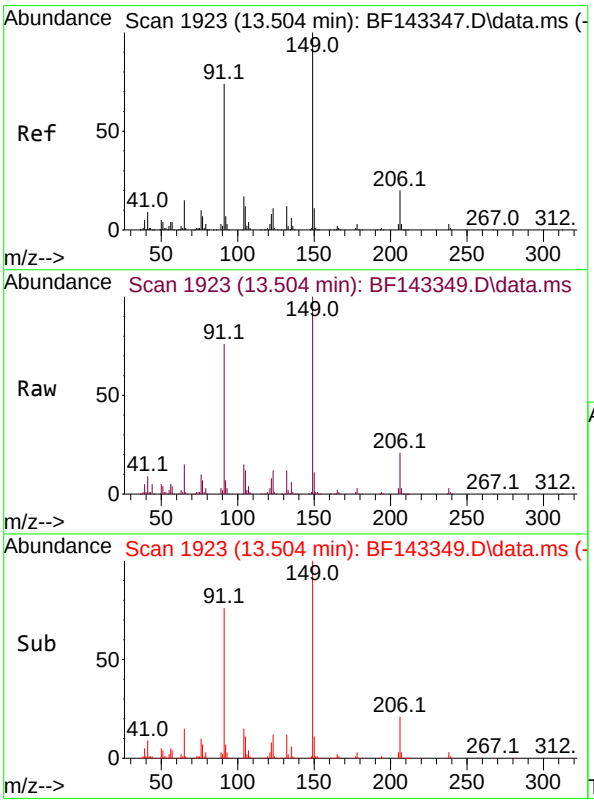
#79
Terphenyl-d14
Concen: 102.507 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1568868

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.1	7.7
122	11.3	8.9	13.3

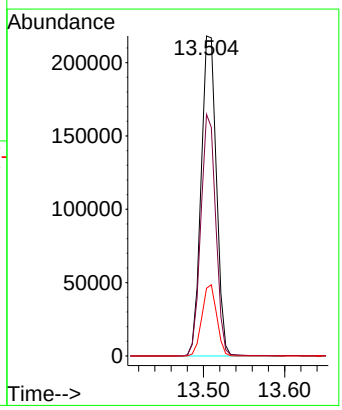


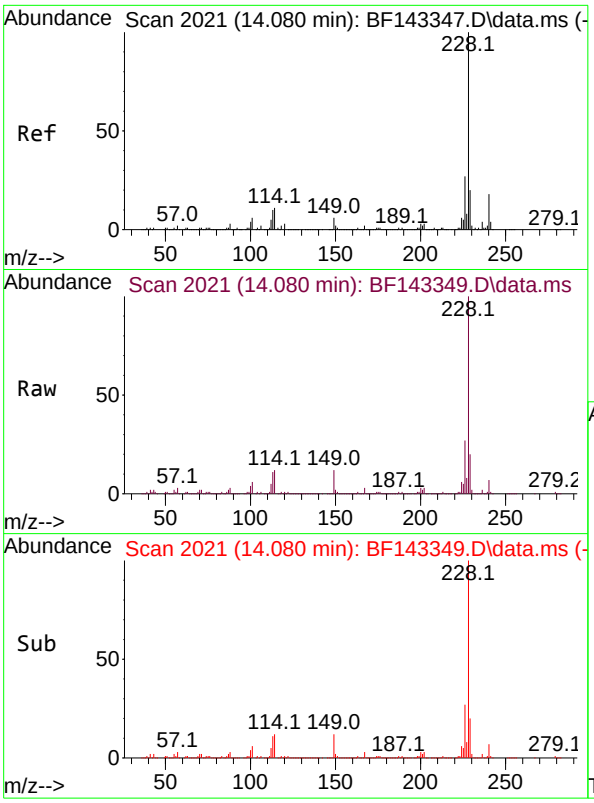


#80
Butylbenzylphthalate
Concen: 61.669 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 283998

Ion	Ratio	Lower	Upper
149	100		
91	75.5	58.8	88.2
206	21.2	16.4	24.6



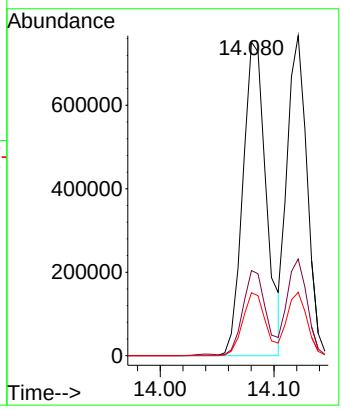


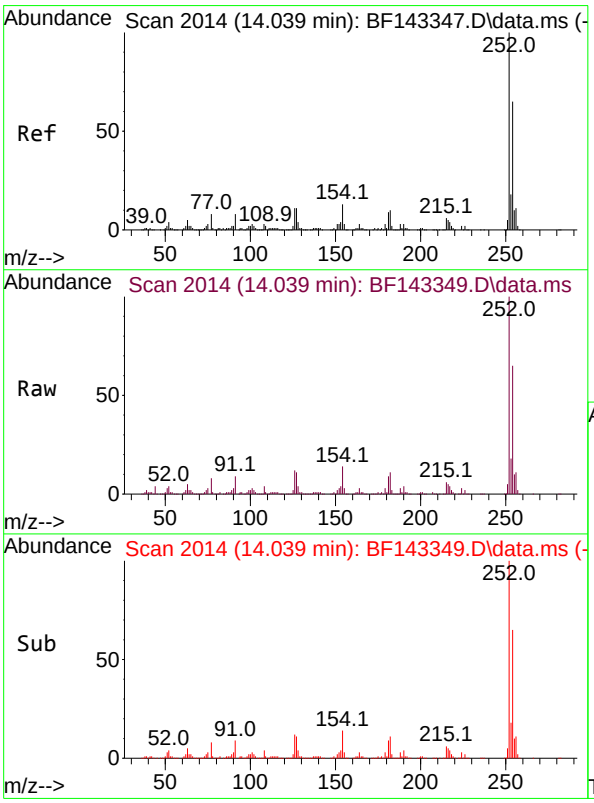
#81
Benzo(a)anthracene
Concen: 61.763 ng
RT: 14.080 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1072649

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	20.1	15.8	23.8

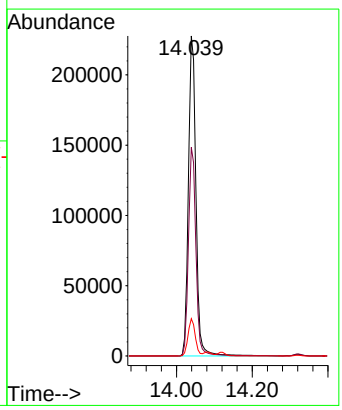


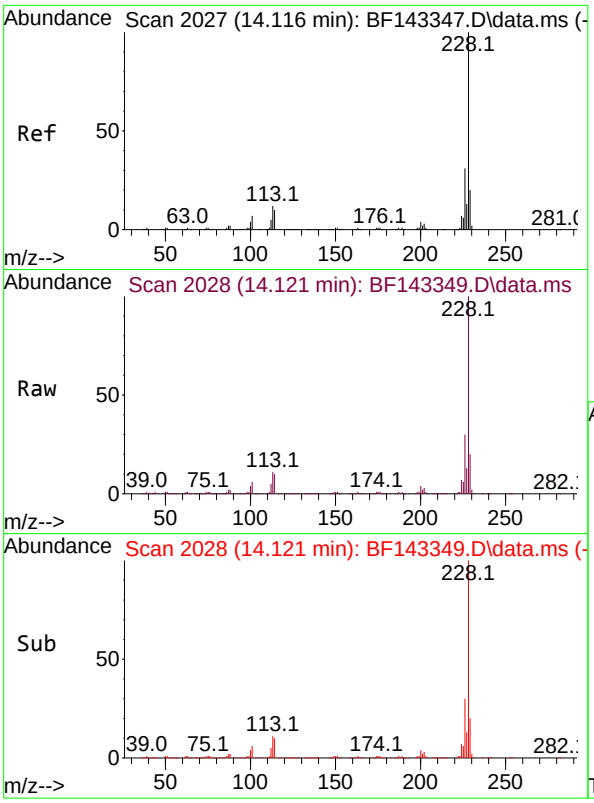


#82
3,3'-Dichlorobenzidine
Concen: 66.762 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 313084

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	11.7	9.2	13.8



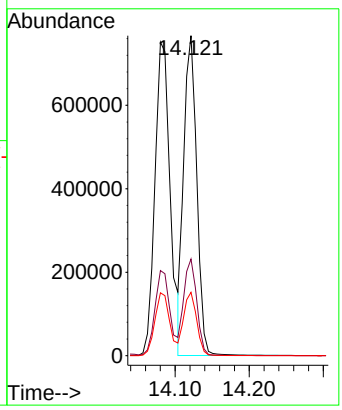


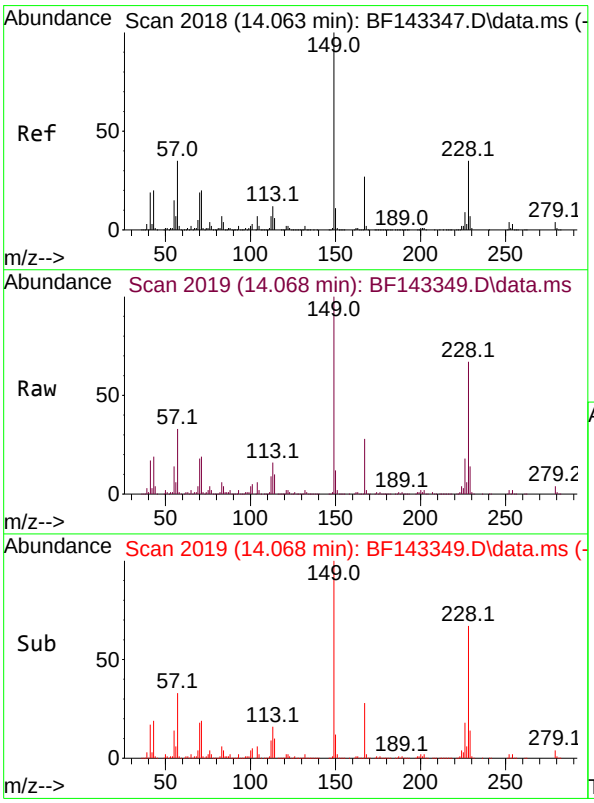
#83
Chrysene
Concen: 57.863 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 937047

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.8	15.8	23.6

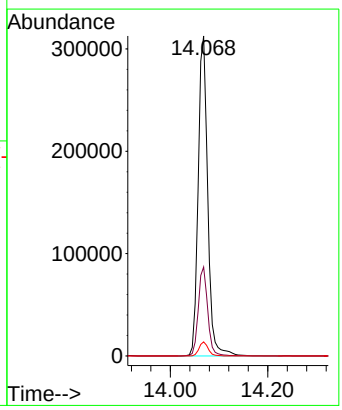


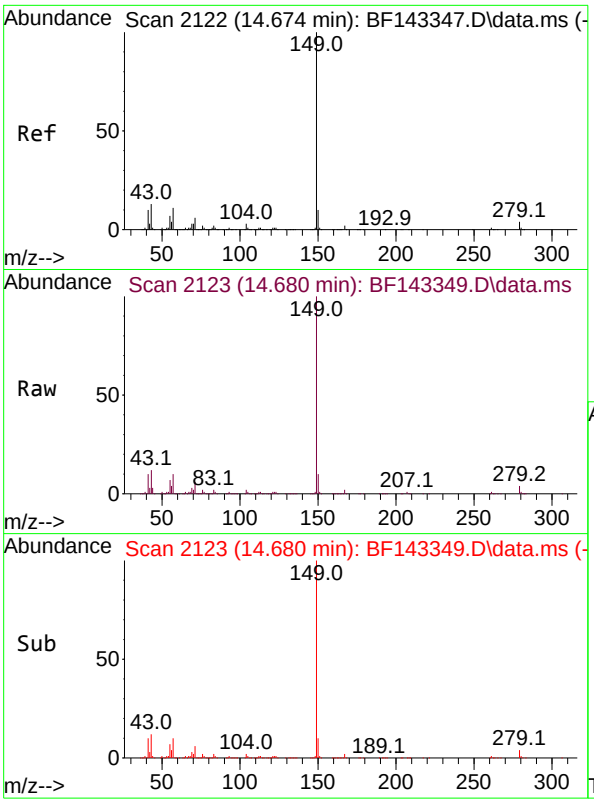


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.688 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.005 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:149 Resp: 426553

Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.4	32.0
279	4.4	3.2	4.8



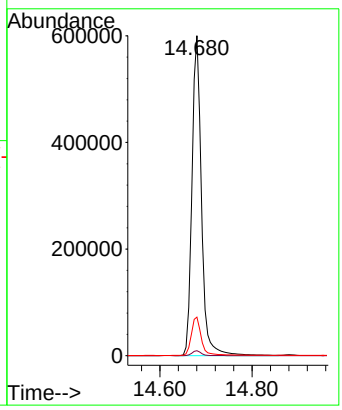


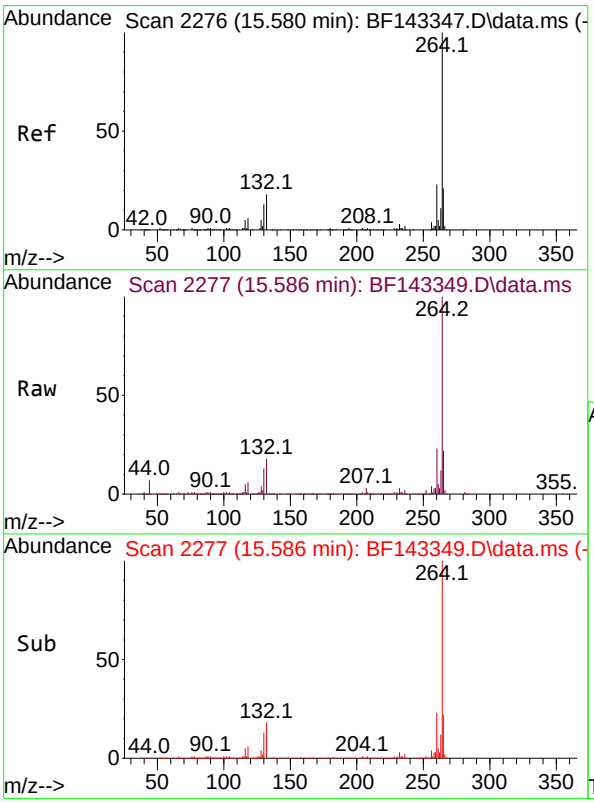
#85
Di-n-octyl phthalate
Concen: 62.516 ng
RT: 14.680 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 856960

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2

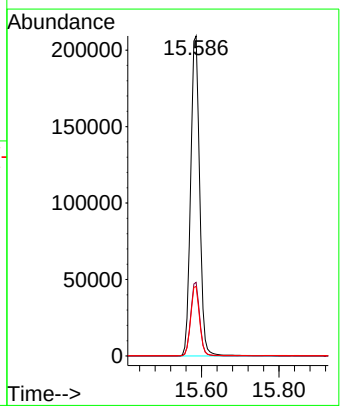


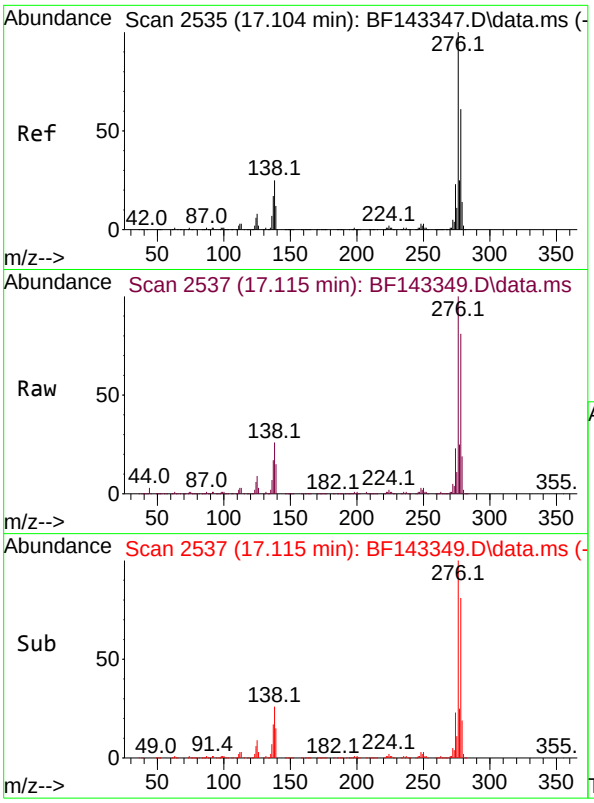


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:264 Resp: 337675

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.7	17.2	25.8



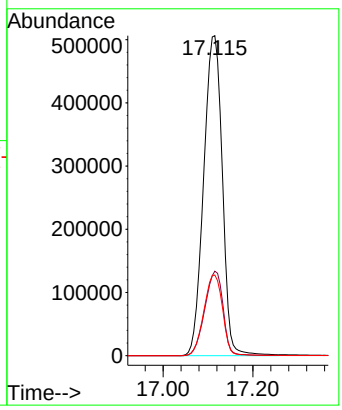


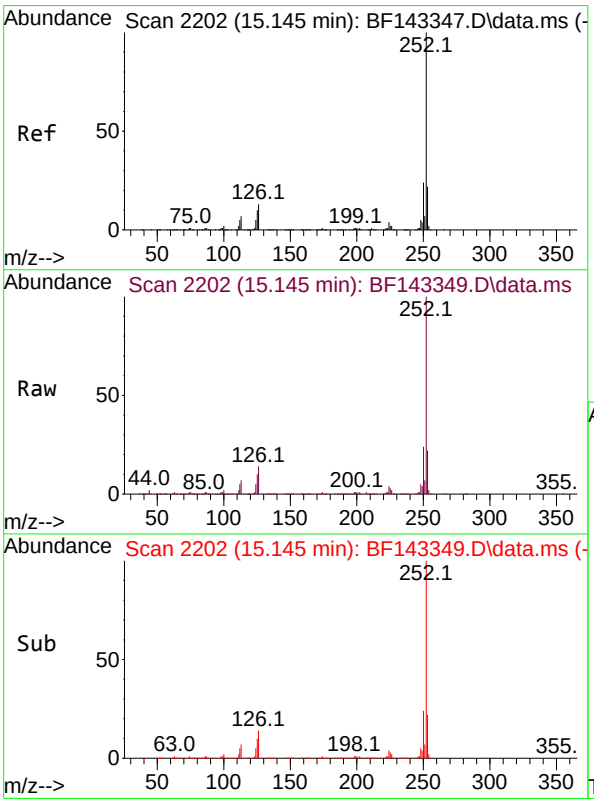
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.440 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1462168

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.1	31.7
277	25.2	20.2	30.2

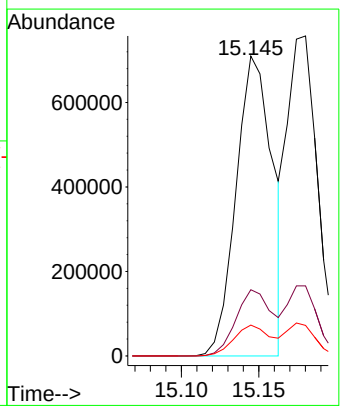


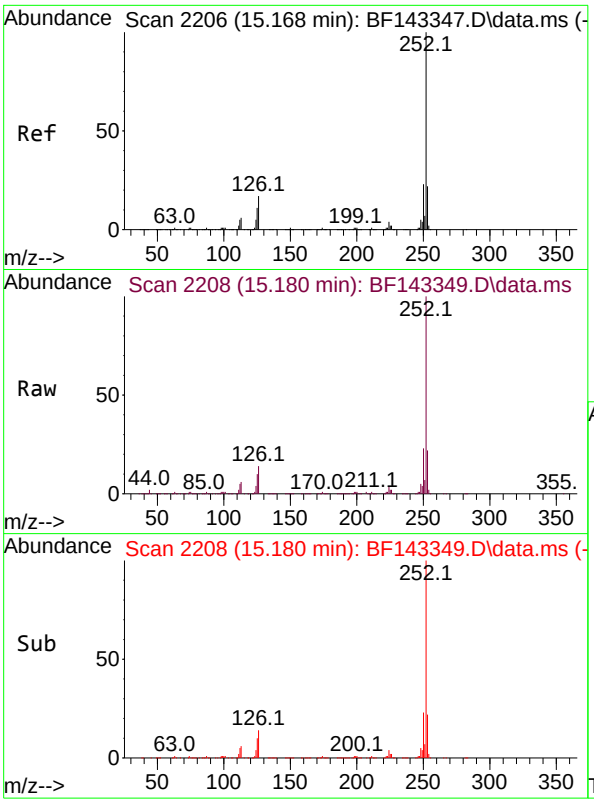


#88
Benzo(b)fluoranthene
Concen: 62.905 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 1161807

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.3	7.8	11.6



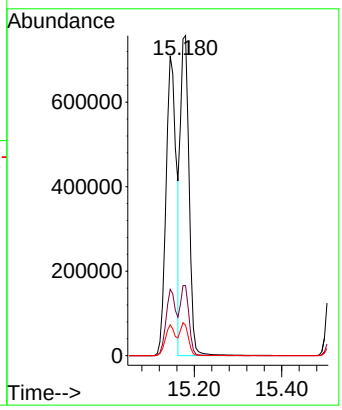


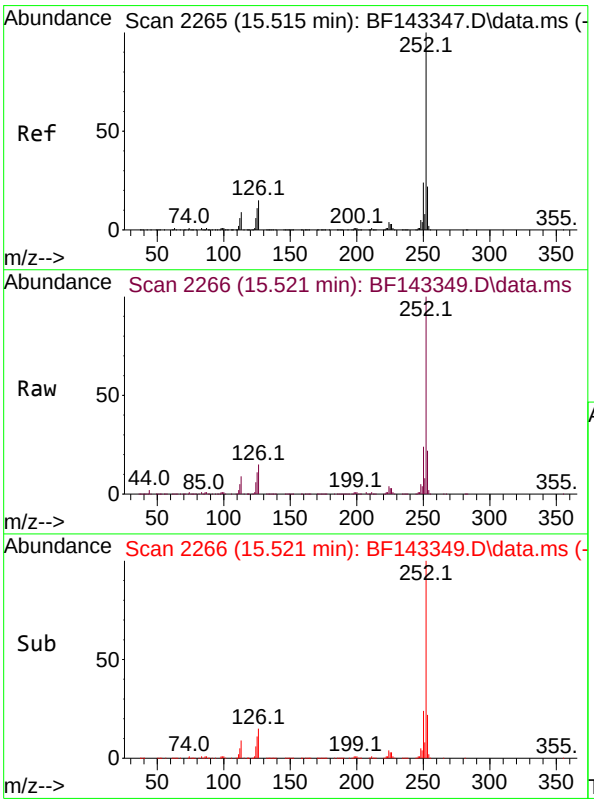
#89
Benzo(k)fluoranthene
Concen: 57.673 ng
RT: 15.180 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1035022

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.5	8.4	12.6

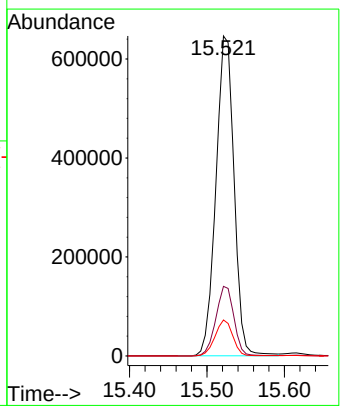


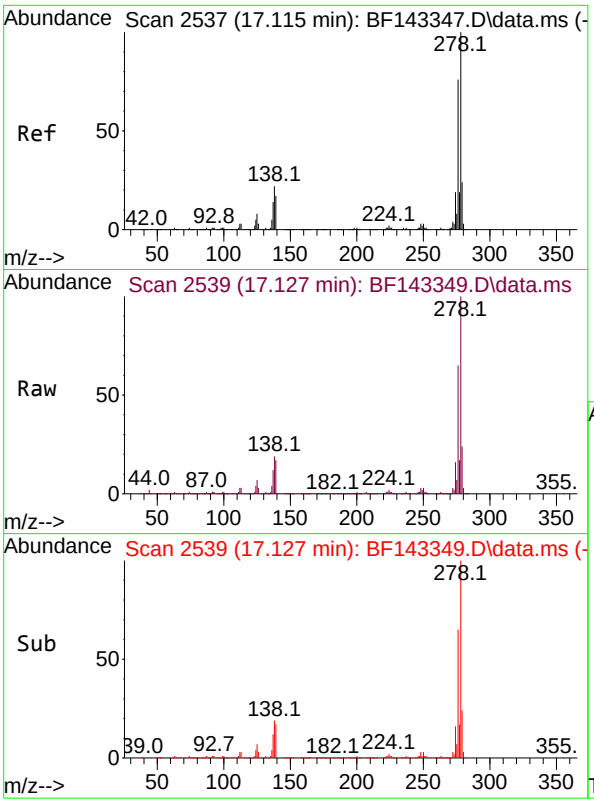


#90
Benzo(a)pyrene
Concen: 60.510 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:252 Resp: 1052580

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.3	9.1	13.7



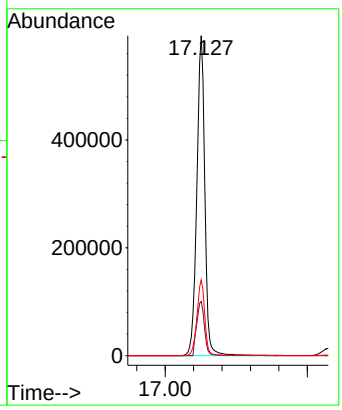


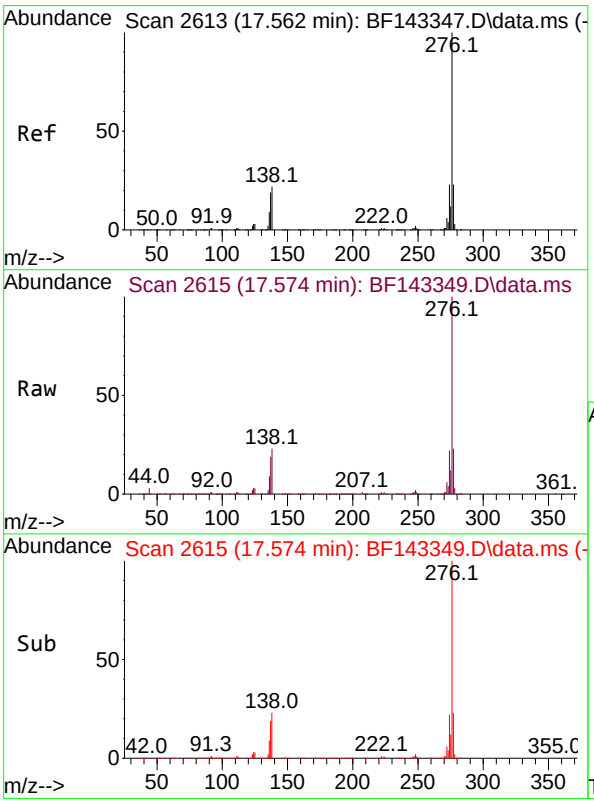
#91
Dibenzo(a,h)anthracene
Concen: 60.556 ng
RT: 17.127 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1170363

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.0	21.0
279	23.7	19.4	29.0

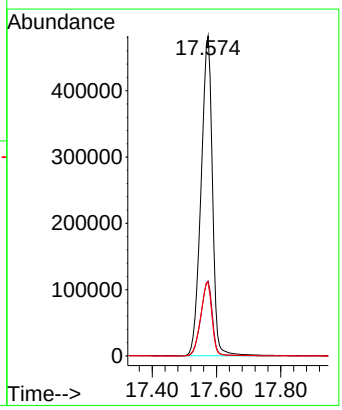




#92
Benzo(g,h,i)perylene
Concen: 60.761 ng
RT: 17.574 min Scan# 2615
Delta R.T. 0.012 min
Lab File: BF143349.D
Acq: 12 Aug 2025 12:07

Tgt Ion:276 Resp: 1182985

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	22.7	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143350.D
Acq On : 12 Aug 2025 12:38
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 12 13:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	161665	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	625065	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	322984	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	448378	20.000	ng	0.00
76) Chrysene-d12	14.098	240	287871	20.000	ng	0.00
86) Perylene-d12	15.586	264	348017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1409194	150.735	ng	0.00
7) Phenol-d6	6.569	99	1792088	149.482	ng	0.00
23) Nitrobenzene-d5	7.498	82	1619091	161.306	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	411864	174.486	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	2457872	129.045	ng	0.00
79) Terphenyl-d14	13.039	244	1935761	120.053	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	379076	78.360	ng	99
3) Pyridine	3.534	79	1042960	80.904	ng	98
4) n-Nitrosodimethylamine	3.493	42	494211	82.300	ng	99
6) Aniline	6.598	93	1263279	74.743	ng	95
8) 2-Chlorophenol	6.722	128	793255	79.409	ng	98
10) Phenol	6.586	94	1037512	73.052	ng	76
11) bis(2-Chloroethyl)ether	6.669	93	798392	76.275	ng	100
12) 1,3-Dichlorobenzene	6.875	146	830769	72.101	ng	98
13) 1,4-Dichlorobenzene	6.951	146	837059	72.382	ng	99
14) 1,2-Dichlorobenzene	7.104	146	806180	73.439	ng	100
15) Benzyl Alcohol	7.075	79	697448	81.158	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	1335184	71.450	ng	98
17) 2-Methylphenol	7.186	107	654221	77.585	ng	98
18) Hexachloroethane	7.445	117	286839	79.115	ng	99
19) n-Nitroso-di-n-propyla...	7.351	70	541387	73.083	ng	98
20) 3+4-Methylphenols	7.339	107	727332	71.322	ng	93
22) Acetophenone	7.345	105	952975	69.195	ng	97
24) Nitrobenzene	7.516	77	868093	79.634	ng	99
25) Isophorone	7.757	82	1574935	76.861	ng	99
26) 2-Nitrophenol	7.828	139	376225	83.229	ng	99
27) 2,4-Dimethylphenol	7.869	122	667248	78.052	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	921854	73.686	ng	99
29) 2,4-Dichlorophenol	8.075	162	654545	78.392	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	649172	73.707	ng	99
31) Naphthalene	8.239	128	2098892	69.783	ng	99
32) Benzoic acid	8.004	122	354618	78.960	ng	99
33) 4-Chloroaniline	8.280	127	816103	75.228	ng	99
34) Hexachlorobutadiene	8.357	225	403199	73.592	ng	100
35) Caprolactam	8.669	113	197571	84.172	ng	97
36) 4-Chloro-3-methylphenol	8.769	107	674001	77.000	ng	98
37) 2-Methylnaphthalene	8.927	142	1370352	69.303	ng	99
38) 1-Methylnaphthalene	9.027	142	1328881	69.780	ng	100
40) 1,2,4,5-Tetrachloroben...	9.098	216	644623	72.936	ng	100
41) Hexachlorocyclopentadiene	9.086	237	259048	82.835	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	437022	87.149	ng	100
44) 2,4,5-Trichlorophenol	9.251	196	466807	82.433	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143350.D
Acq On : 12 Aug 2025 12:38
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 12 13:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.392	154	1580379	69.203	ng		99
47) 2-Chloronaphthalene	9.416	162	1295723	72.042	ng		99
48) 2-Nitroaniline	9.510	65	426490	80.247	ng		98
49) Acenaphthylene	9.833	152	1865988	71.842	ng		100
50) Dimethylphthalate	9.686	163	1425124	75.513	ng		100
51) 2,6-Dinitrotoluene	9.751	165	294018	80.211	ng		95
52) Acenaphthene	10.004	154	1221046	70.714	ng		99
53) 3-Nitroaniline	9.922	138	343541	88.887	ng		98
54) 2,4-Dinitrophenol	10.027	184	118753	79.041	ng	#	84
55) Dibenzofuran	10.174	168	1738835	69.969	ng		98
56) 4-Nitrophenol	10.080	139	245374	79.477	ng		97
57) 2,4-Dinitrotoluene	10.151	165	383533	78.864	ng		97
58) Fluorene	10.522	166	1273759	67.103	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	349157	91.466	ng		98
60) Diethylphthalate	10.386	149	1258798	74.465	ng		99
61) 4-Chlorophenyl-phenyle...	10.510	204	643793	70.191	ng		98
62) 4-Nitroaniline	10.533	138	312667	83.616	ng		98
63) Azobenzene	10.669	77	1376109	71.269	ng		98
65) 4,6-Dinitro-2-methylph...	10.569	198	162929	83.490	ng		93
66) n-Nitrosodiphenylamine	10.627	169	1124872	76.190	ng		100
67) 4-Bromophenyl-phenylether	10.998	248	405148	79.007	ng		97
68) Hexachlorobenzene	11.074	284	431148	78.001	ng		96
69) Atrazine	11.151	200	309748	80.438	ng		99
70) Pentachlorophenol	11.263	266	218250	80.616	ng		97
71) Phenanthrene	11.480	178	1745493	71.351	ng		99
72) Anthracene	11.533	178	1758274	70.871	ng		100
73) Carbazole	11.686	167	1479652	70.029	ng		99
74) Di-n-butylphthalate	12.010	149	1398975	78.244	ng		100
75) Fluoranthene	12.668	202	1470742	68.634	ng		99
77) Benzidine	12.786	184	500314	63.571	ng		98
78) Pyrene	12.898	202	1513789	62.684	ng		99
80) Butylbenzylphthalate	13.510	149	413801	84.007	ng		98
81) Benzo(a)anthracene	14.086	228	1387766	75.847	ng		100
82) 3,3'-Dichlorobenzidine	14.045	252	412736	83.540	ng		99
83) Chrysene	14.121	228	1263816	74.077	ng		98
84) Bis(2-ethylhexyl)phtha...	14.068	149	611031	83.803	ng		98
85) Di-n-octyl phthalate	14.680	149	1205873	81.478	ng		98
87) Indeno(1,2,3-cd)pyrene	17.121	276	1963736	78.760	ng		99
88) Benzo(b)fluoranthene	15.151	252	1467752	77.108	ng		99
89) Benzo(k)fluoranthene	15.180	252	1429731	77.299	ng		99
90) Benzo(a)pyrene	15.527	252	1403212	78.270	ng		99
91) Dibenzo(a,h)anthracene	17.133	278	1523387	76.479	ng		99
92) Benzo(g,h,i)perylene	17.580	276	1563773	77.932	ng		99

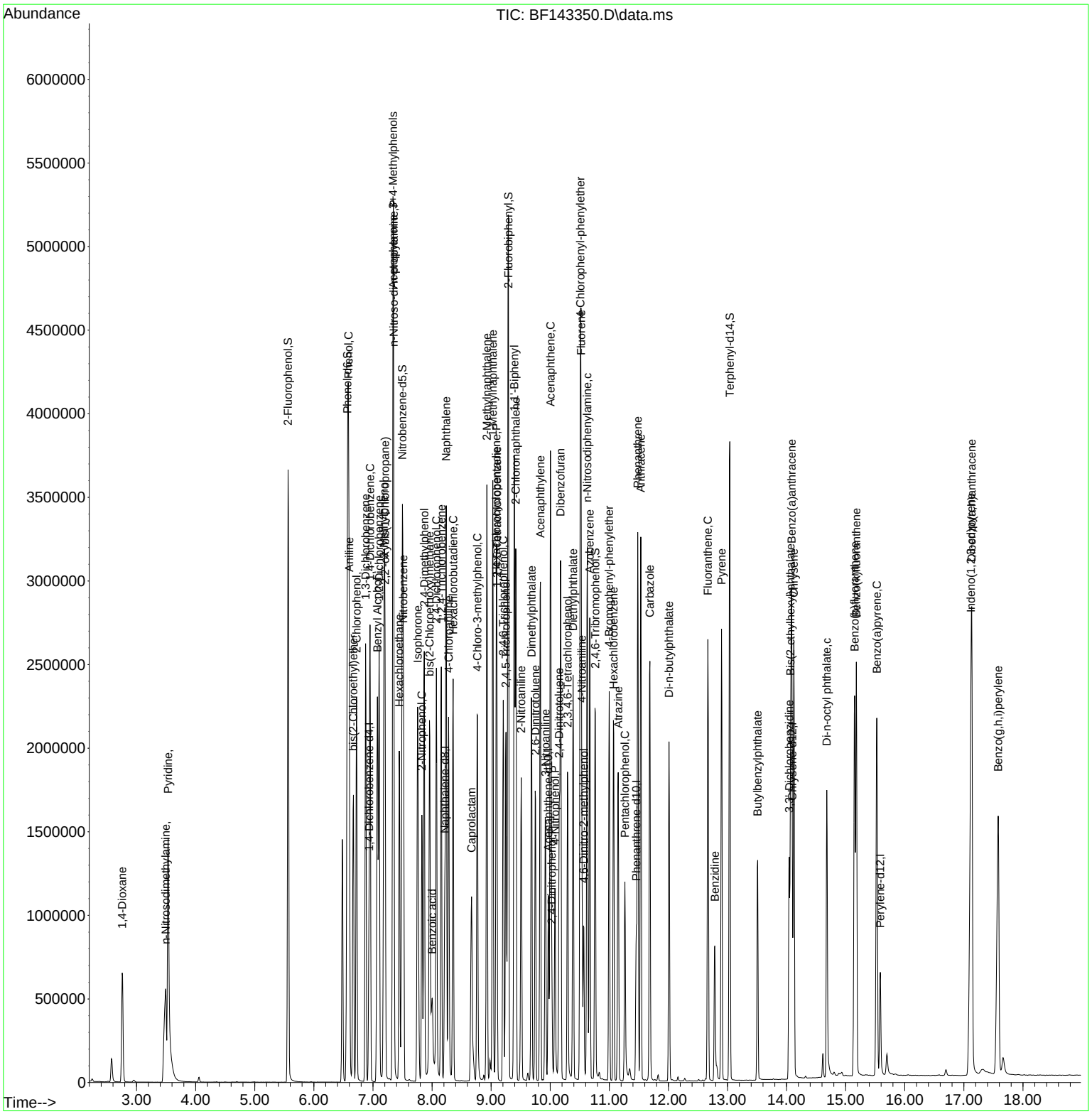
(#) = qualifier out of range (m) = manual integration (+) = signals summed

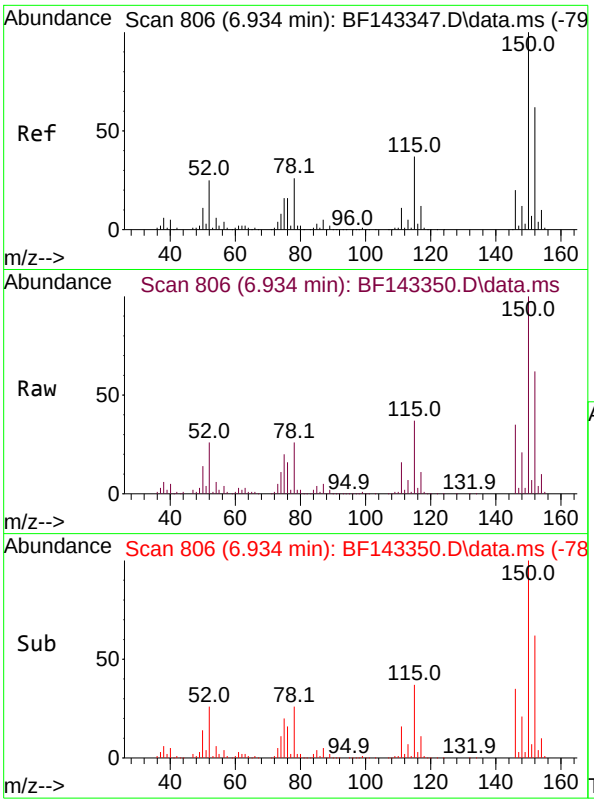
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143350.D
Acq On : 12 Aug 2025 12:38
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Aug 12 13:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:02:27 2025
Response via : Initial Calibration



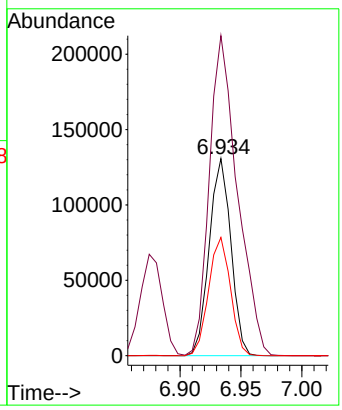


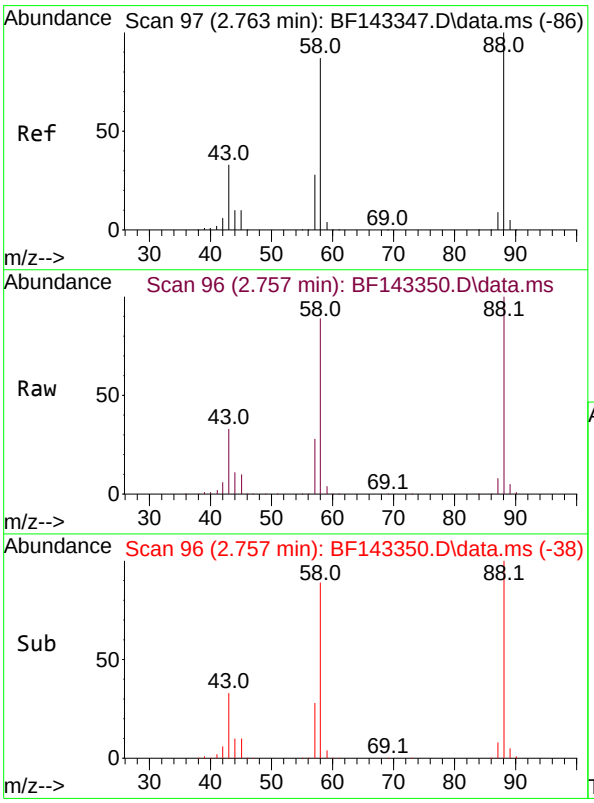
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 161665

Ion	Ratio	Lower	Upper
152	100		
150	162.4	129.8	194.8
115	60.0	47.8	71.8

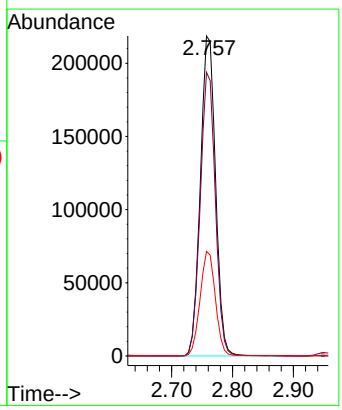


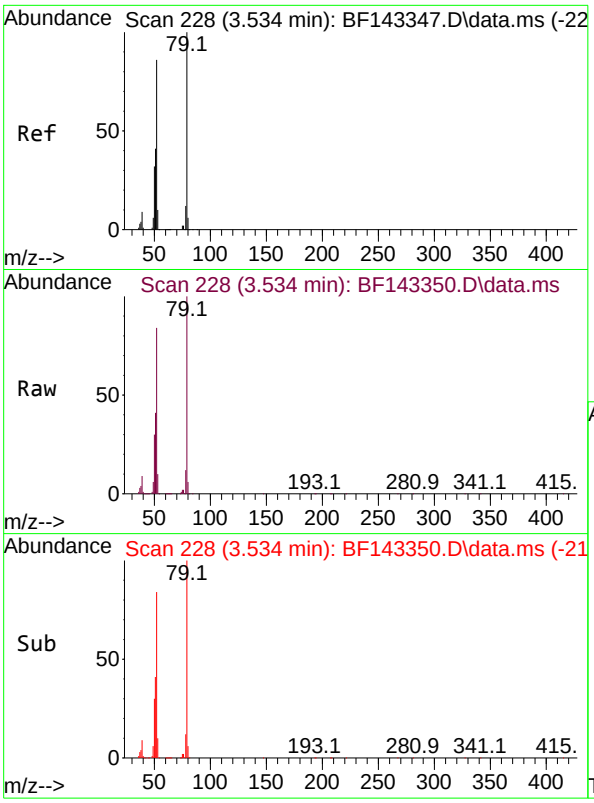


#2
1,4-Dioxane
Concen: 78.360 ng
RT: 2.757 min Scan# 96
Delta R.T. -0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 88 Resp: 379076

Ion	Ratio	Lower	Upper
88	100		
58	88.3	71.0	106.6
43	33.1	27.0	40.6



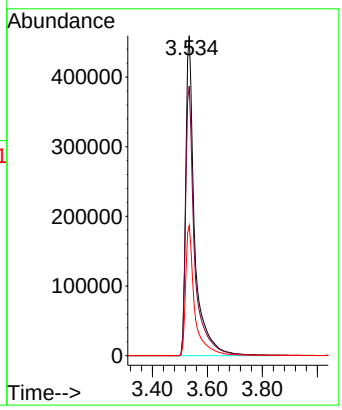


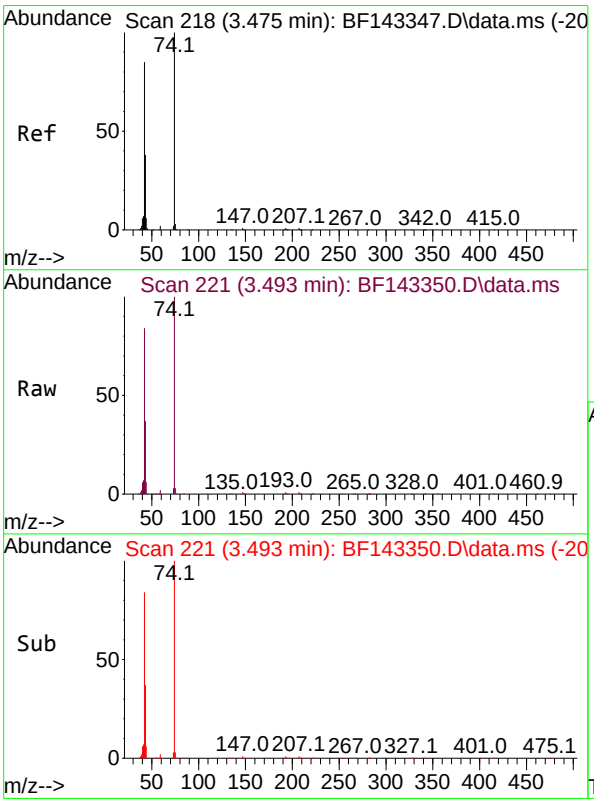
#3
Pyridine
Concen: 80.904 ng
RT: 3.534 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1042960

Ion	Ratio	Lower	Upper
79	100		
52	84.2	68.7	103.1
51	40.7	33.4	50.0

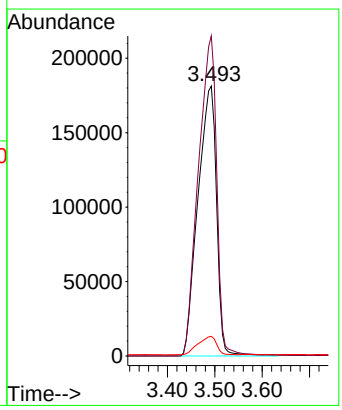


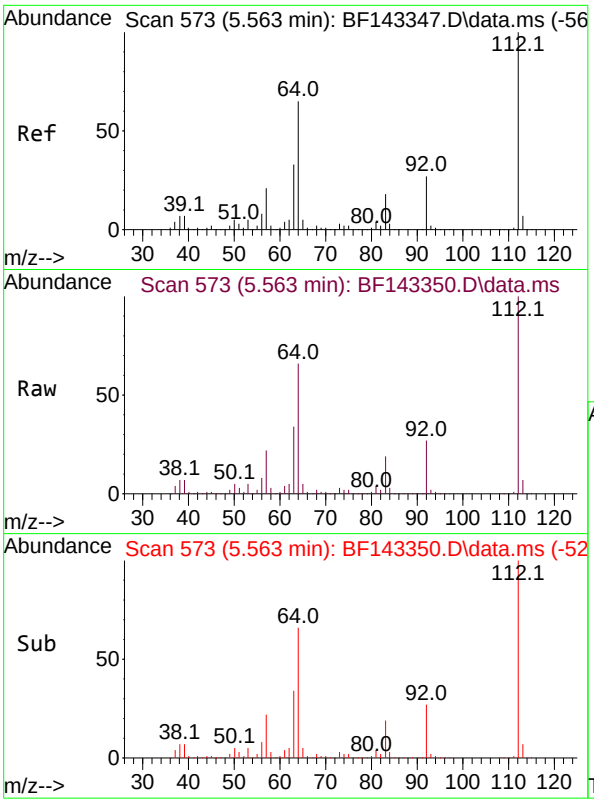


#4
n-Nitrosodimethylamine
Concen: 82.300 ng
RT: 3.493 min Scan# 221
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 42 Resp: 494211

Ion	Ratio	Lower	Upper
42	100		
74	118.6	94.1	141.1
44	7.3	6.5	9.7



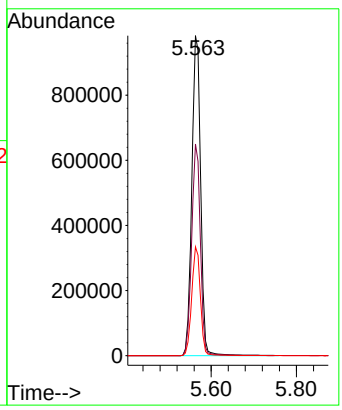


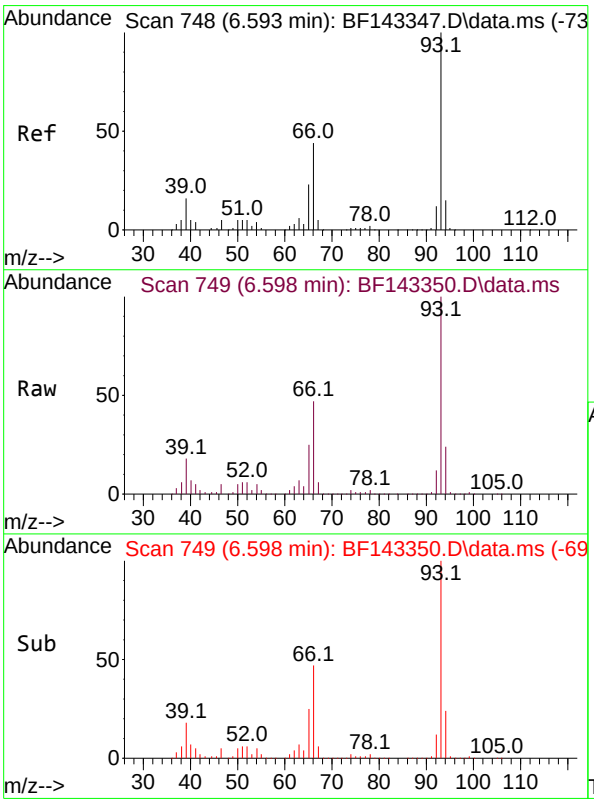
#5
2-Fluorophenol
Concen: 150.735 ng
RT: 5.563 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1409194

Ion	Ratio	Lower	Upper
112	100		
64	66.1	52.1	78.1
63	34.0	26.6	39.8

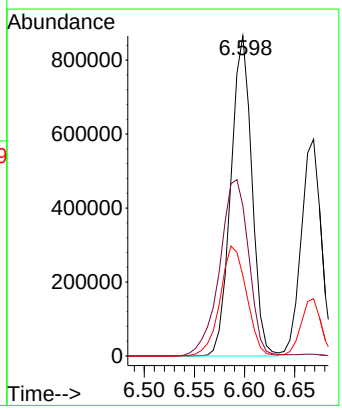


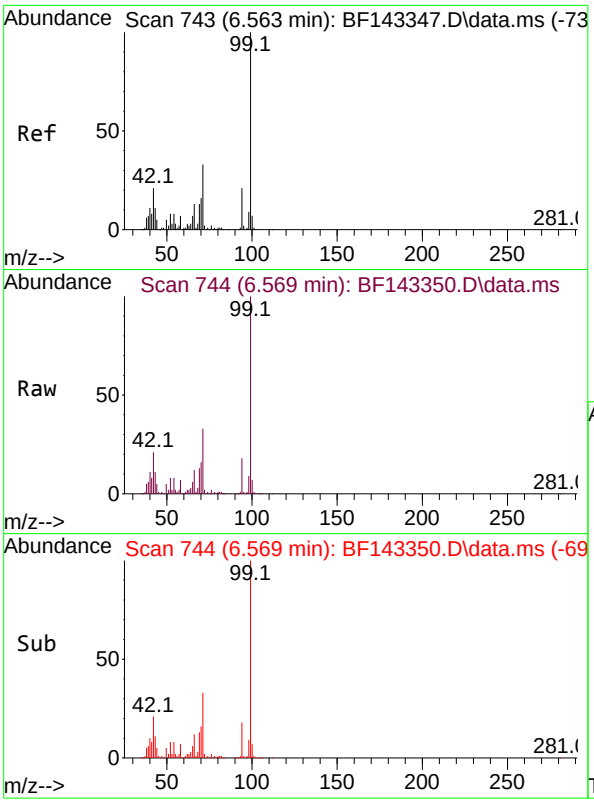


#6
Aniline
Concen: 74.743 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 1263279

Ion	Ratio	Lower	Upper
93	100		
66	47.1	35.3	52.9
65	25.2	18.2	27.4



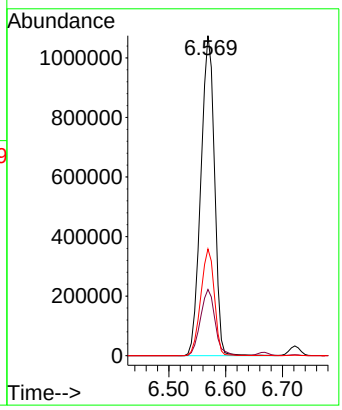


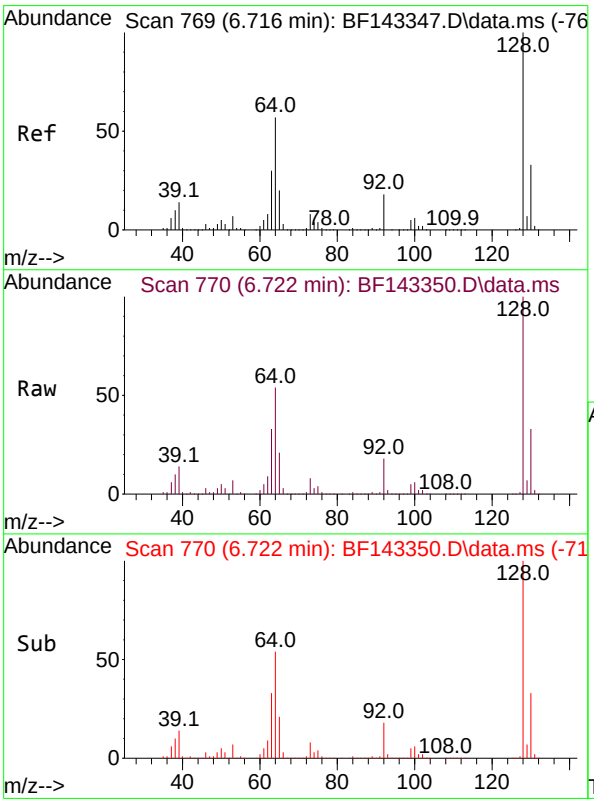
#7
Phenol-d6
Concen: 149.482 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1792088

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	25.0
71	33.4	26.2	39.2

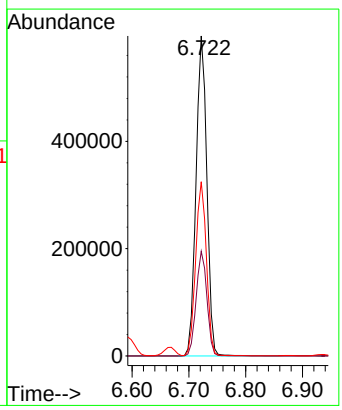


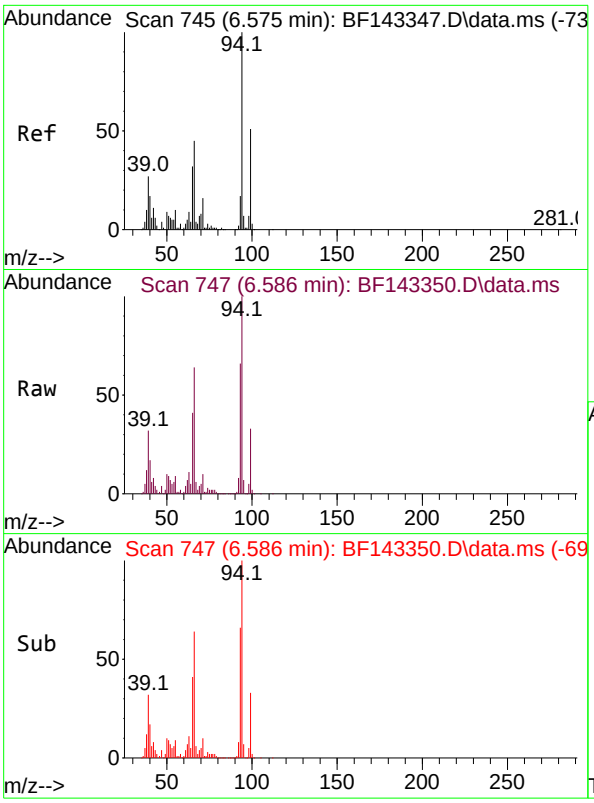


#8
2-Chlorophenol
Concen: 79.409 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:128 Resp: 793255

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	54.5	36.7	76.7



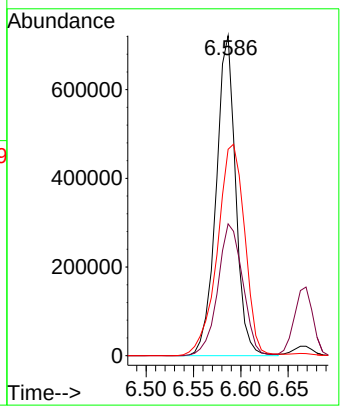


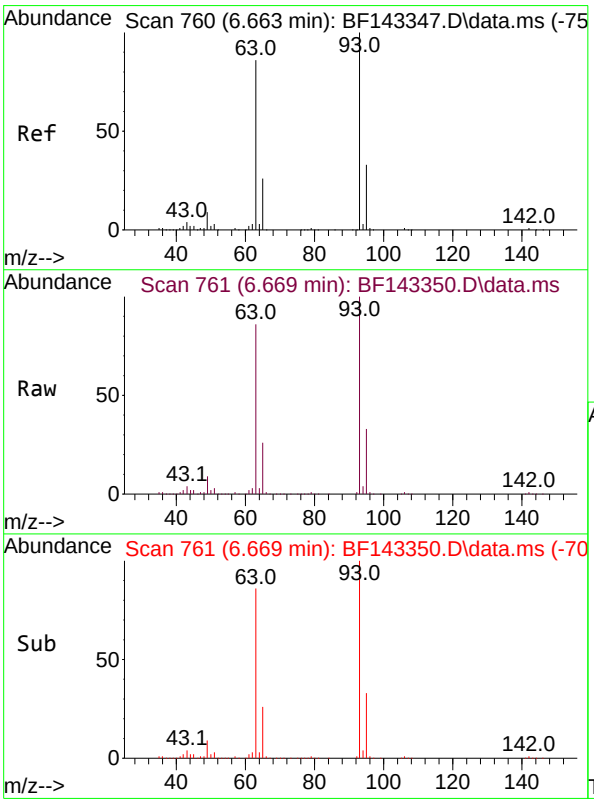
#10
Phenol
Concen: 73.052 ng
RT: 6.586 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1037512

Ion	Ratio	Lower	Upper
94	100		
65	41.2	12.0	52.0
66	64.5	25.6	65.6

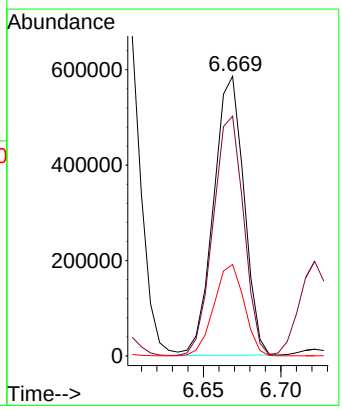


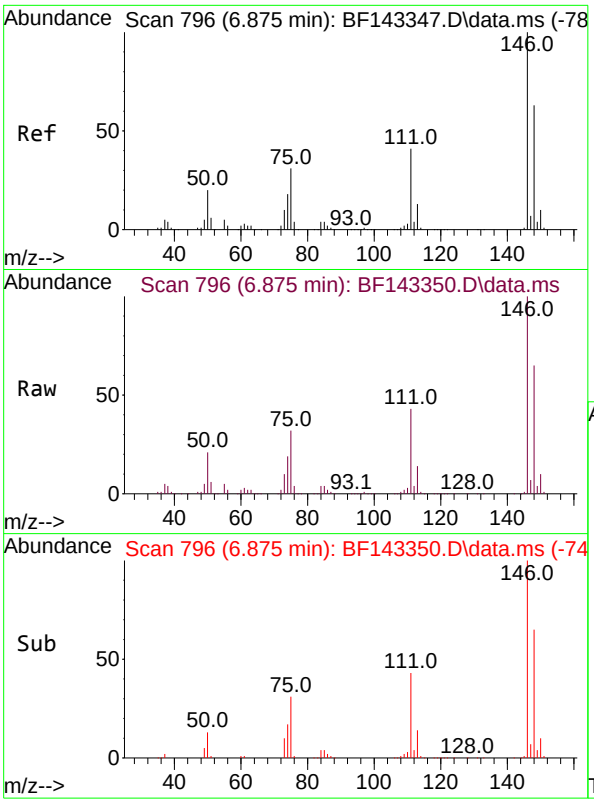


#11
bis(2-Chloroethyl)ether
Concen: 76.275 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 93 Resp: 798392

Ion	Ratio	Lower	Upper
93	100		
63	85.7	65.7	105.7
95	32.7	13.0	53.0



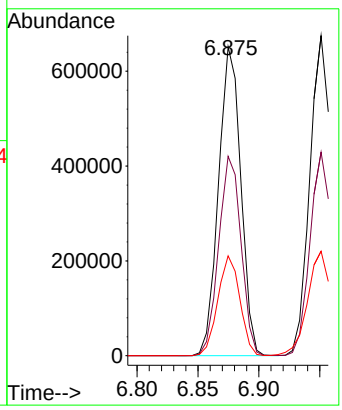


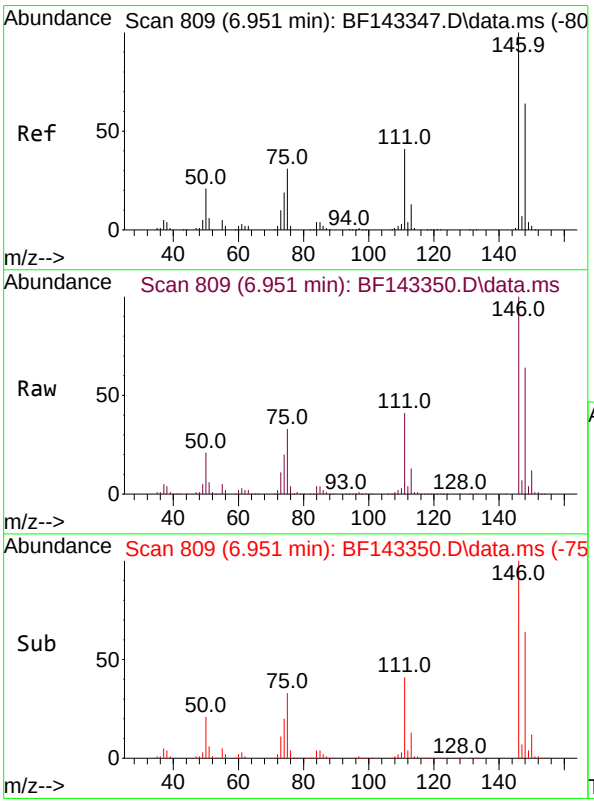
#12
1,3-Dichlorobenzene
Concen: 72.101 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 830769

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.5	75.7
75	32.3	24.9	37.3

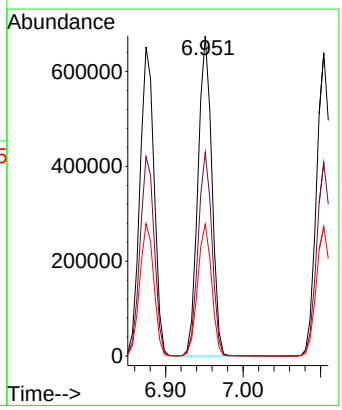


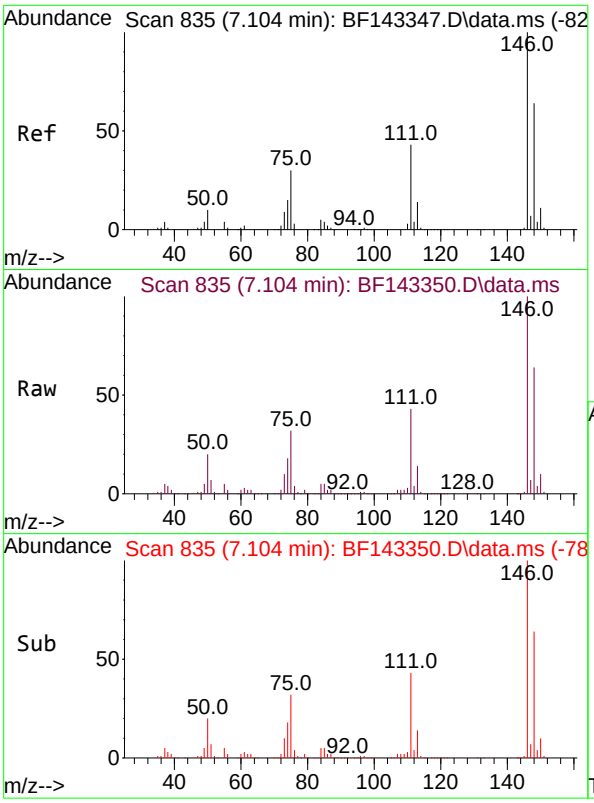


#13
1,4-Dichlorobenzene
Concen: 72.382 ng
RT: 6.951 min Scan# 809
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:146 Resp: 837059

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	41.3	32.6	48.8



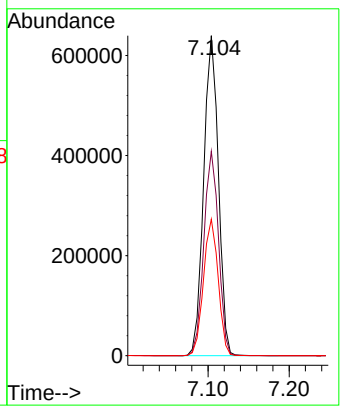


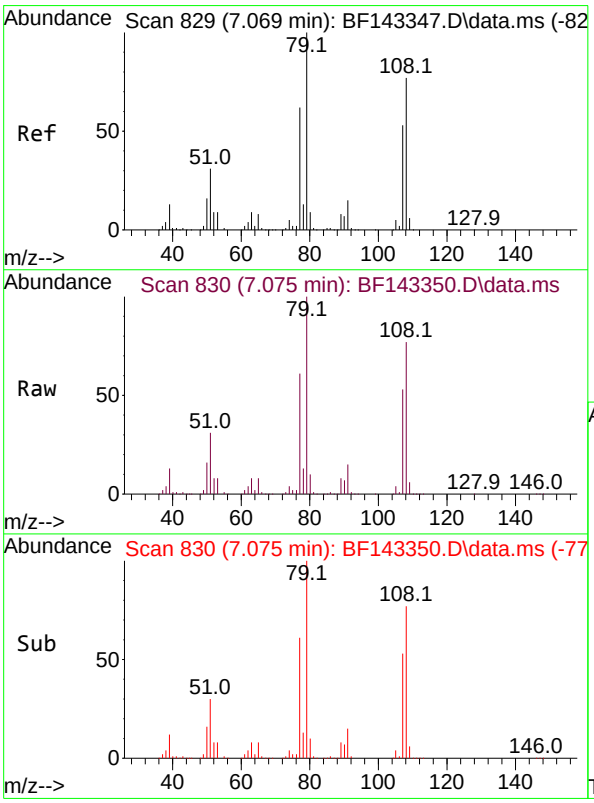
#14
1,2-Dichlorobenzene
Concen: 73.439 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 806180

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.2
111	42.7	34.1	51.1

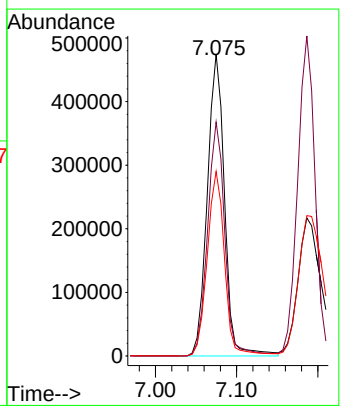


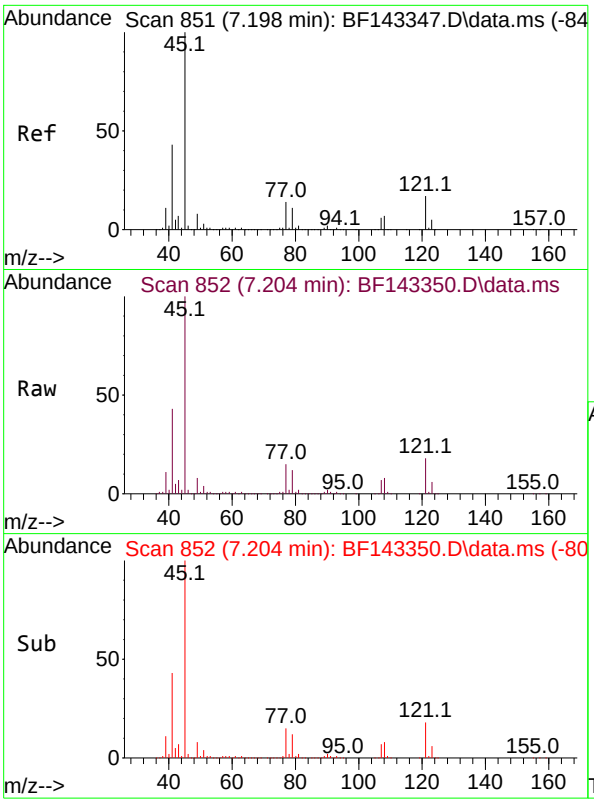


#15
Benzyl Alcohol
Concen: 81.158 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 79 Resp: 697448

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.5	92.3
77	61.1	49.8	74.8



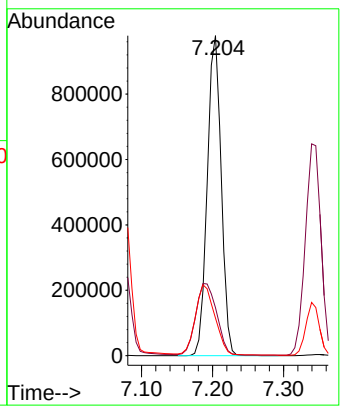


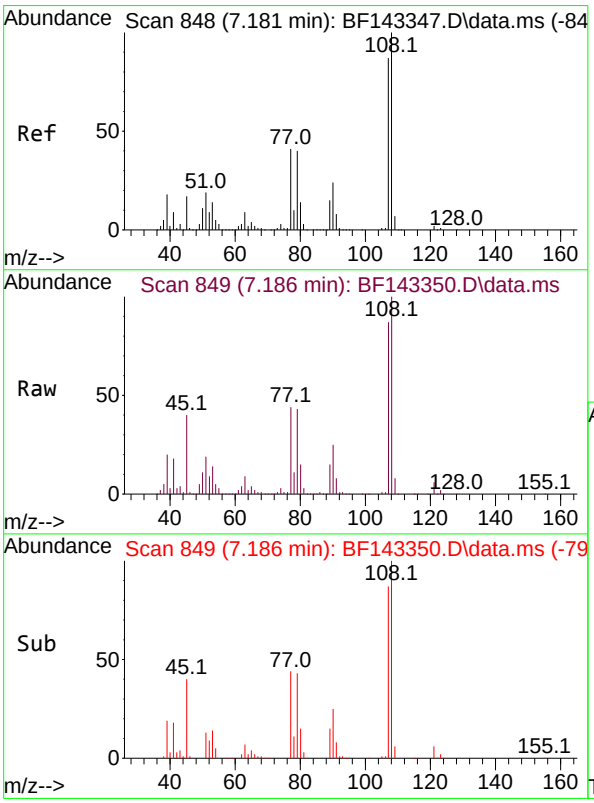
#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.450 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1335184

Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	34.0
79	11.8	0.0	31.1

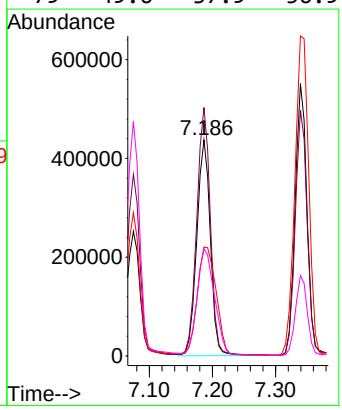


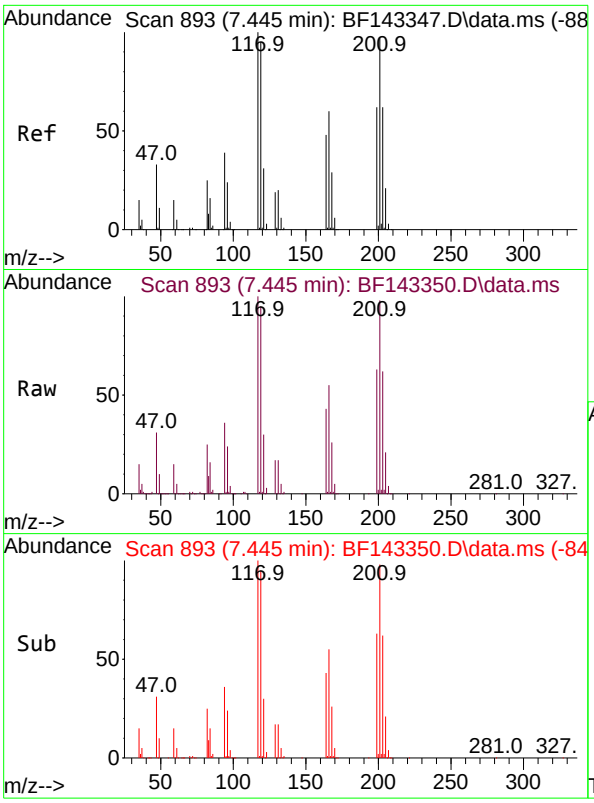


#17
2-Methylphenol
Concen: 77.585 ng
RT: 7.186 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:107 Resp: 654221

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	50.5	38.2	57.2
79	49.6	37.9	56.9



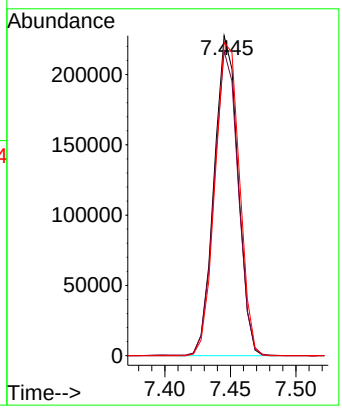


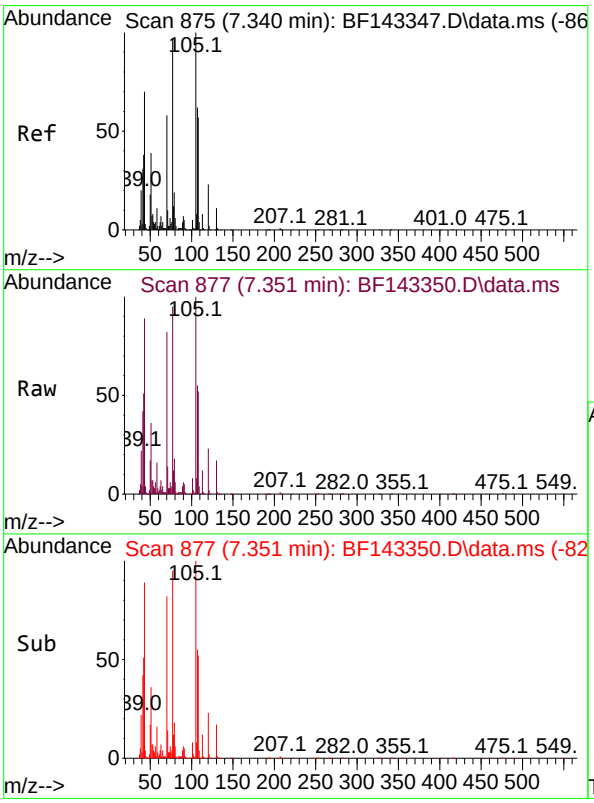
#18
Hexachloroethane
Concen: 79.115 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 286839

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.8
201	98.0	77.2	115.8

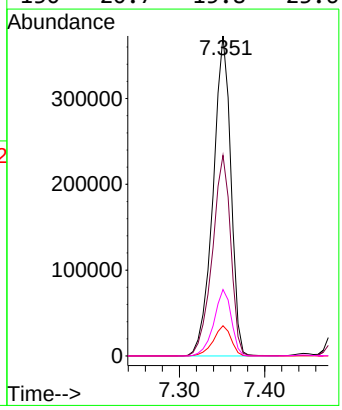


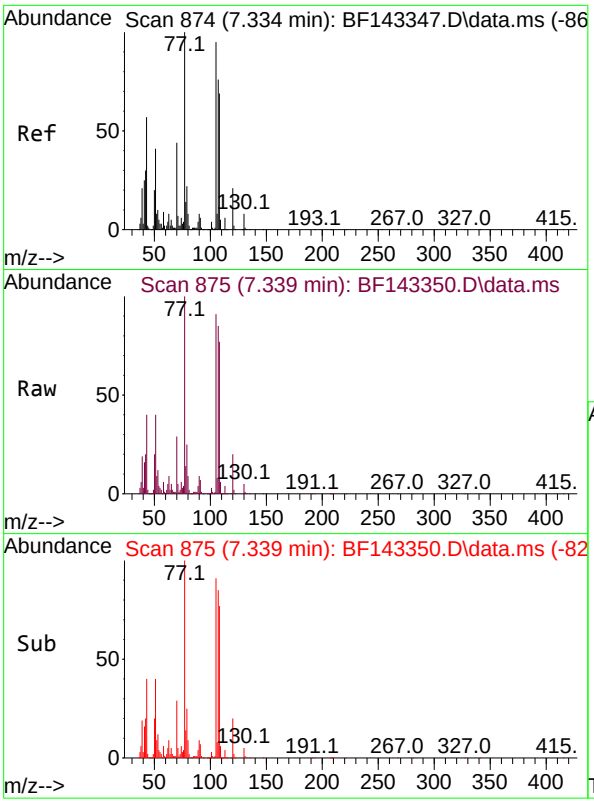


#19
n-Nitroso-di-n-propylamine
Concen: 73.083 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 70 Resp: 541387

Ion	Ratio	Lower	Upper
70	100		
42	62.7	51.6	77.4
101	9.4	7.5	11.3
130	20.7	15.8	23.6



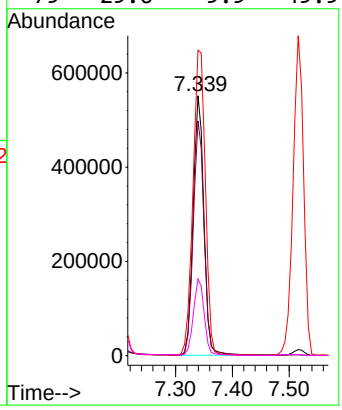


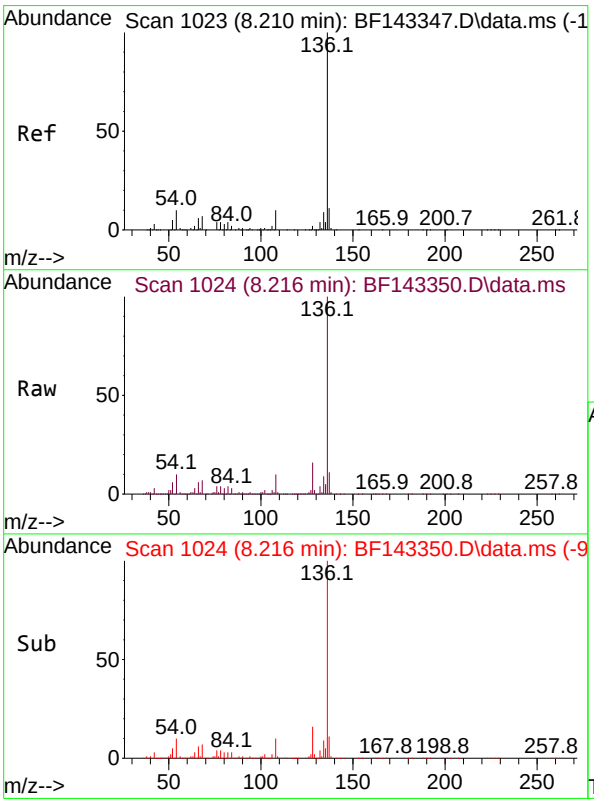
#20
3+4-Methylphenols
Concen: 71.322 ng
RT: 7.339 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 727332

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.6	110.6
77	117.5	112.0	152.0
79	29.6	9.9	49.9

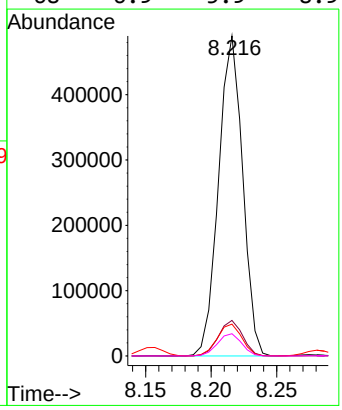


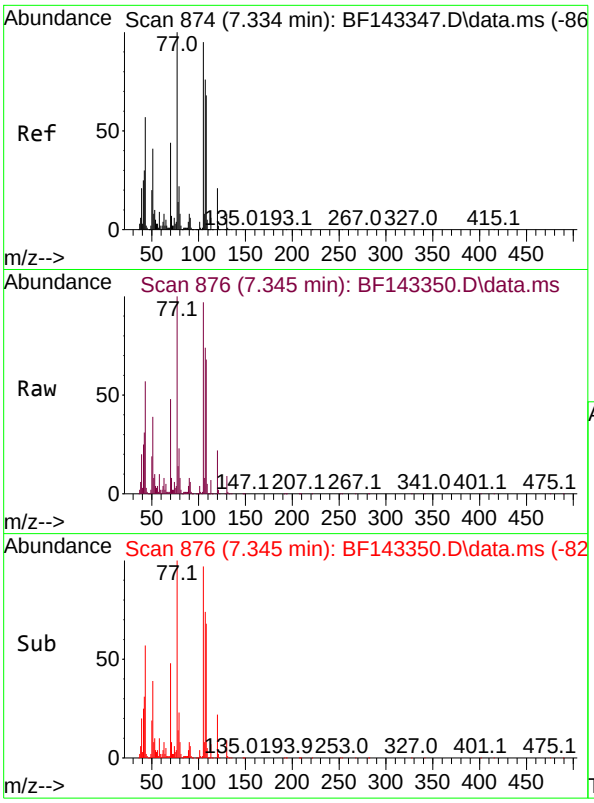


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:136 Resp: 625065

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.0	8.4	12.6
68	6.9	5.9	8.9



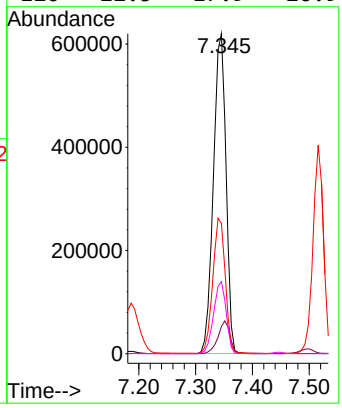


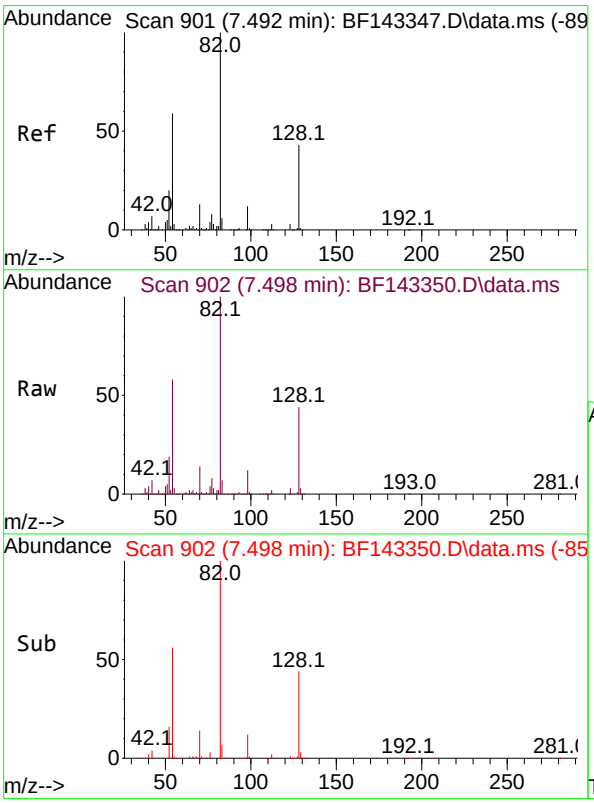
#22
Acetophenone
Concen: 69.195 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 952975

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.2	9.4
51	40.7	34.8	52.2
120	22.5	17.9	26.9

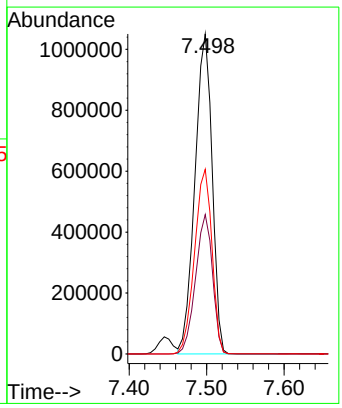


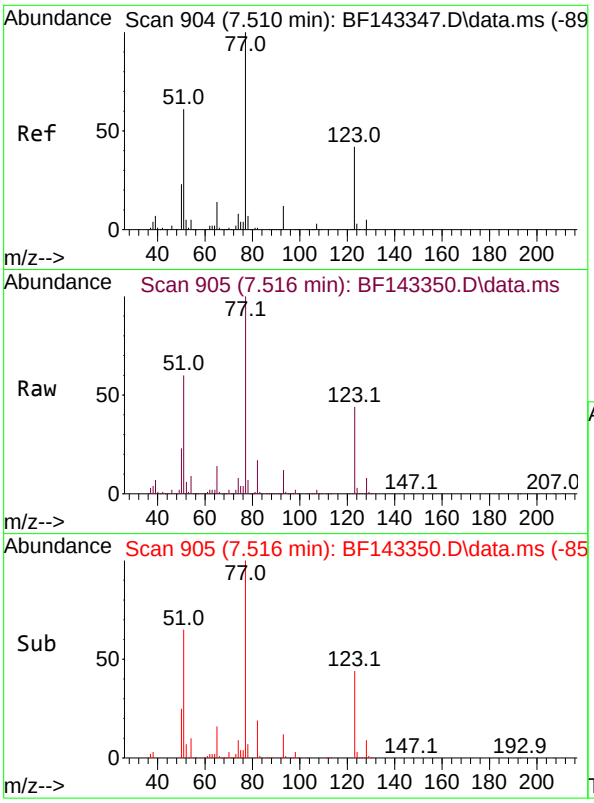


#23
Nitrobenzene-d5
Concen: 161.306 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 82 Resp: 1619091

Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.5	50.3
54	57.7	46.7	70.1



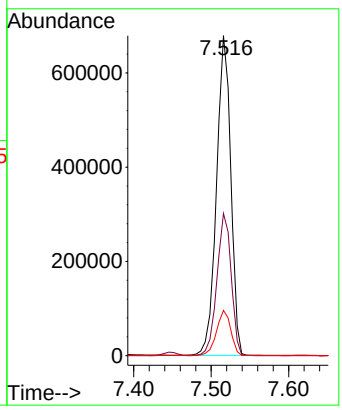


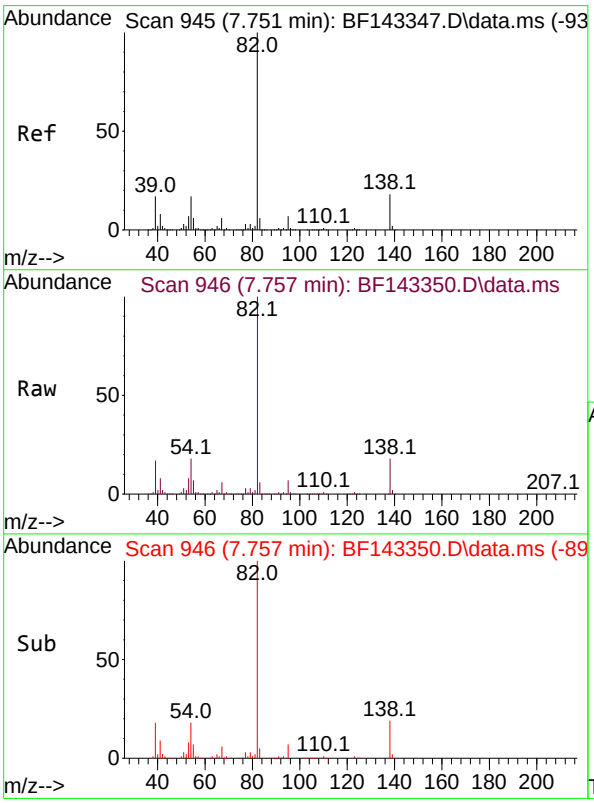
#24
Nitrobenzene
Concen: 79.634 ng
RT: 7.516 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 868093

Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.8	52.2
65	14.1	11.0	16.6

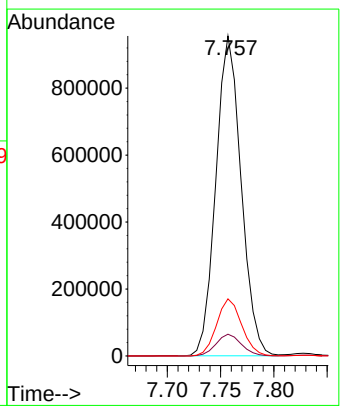


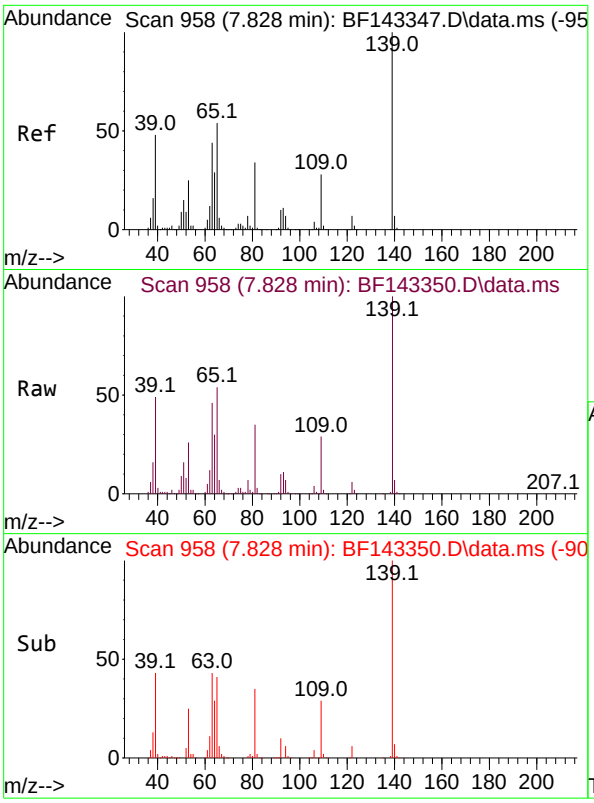


#25
Isophorone
Concen: 76.861 ng
RT: 7.757 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 82 Resp: 1574935

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.8	14.6	21.8



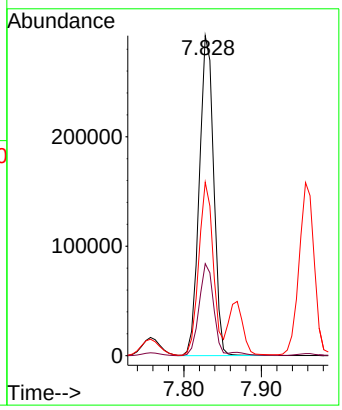


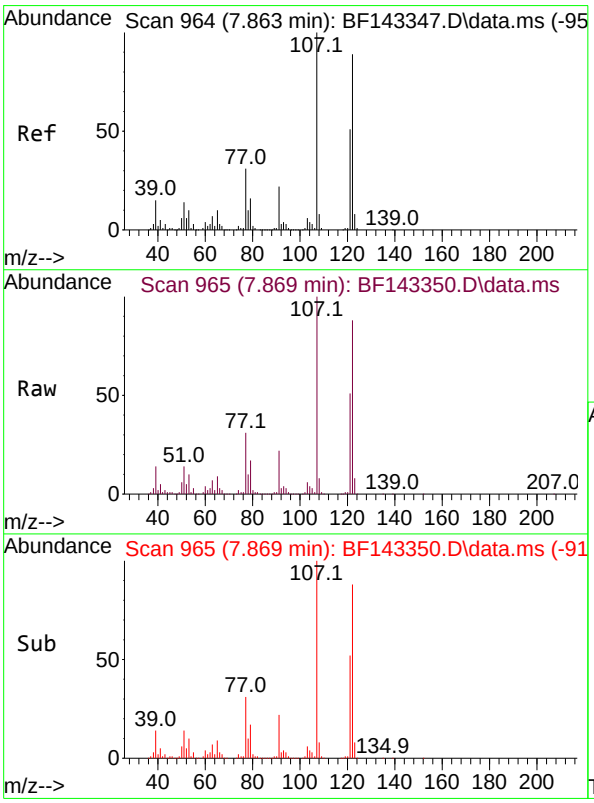
#26
2-Nitrophenol
Concen: 83.229 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 376225

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.4	33.6
65	54.2	42.9	64.3

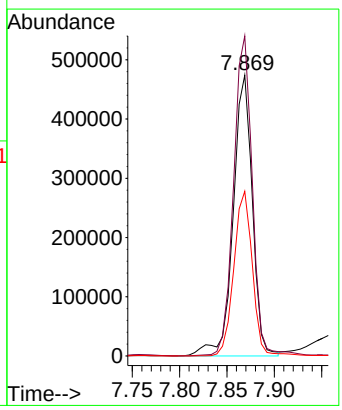


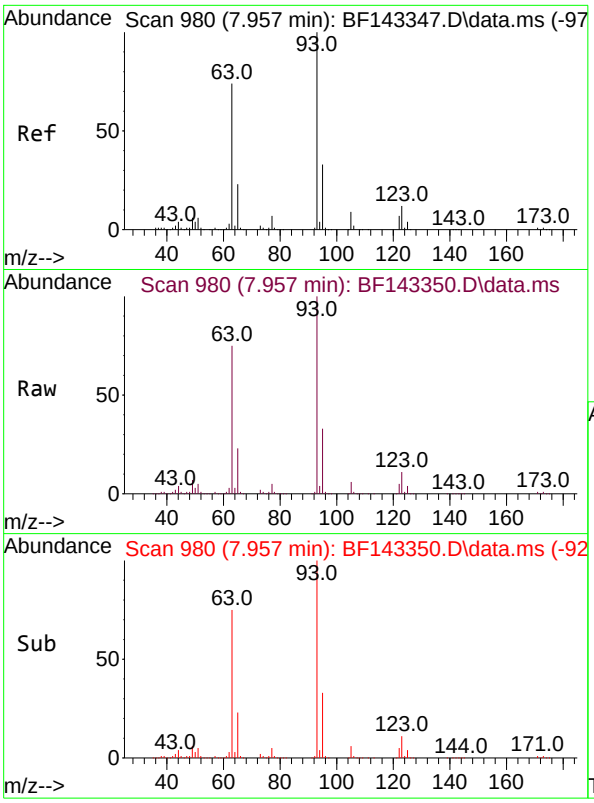


#27
2,4-Dimethylphenol
Concen: 78.052 ng
RT: 7.869 min Scan# 965
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:122 Resp: 667248

Ion	Ratio	Lower	Upper
122	100		
107	114.0	89.9	134.9
121	58.7	46.2	69.4



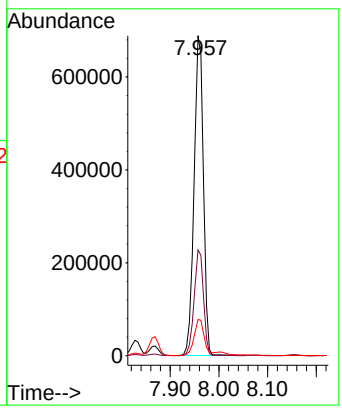


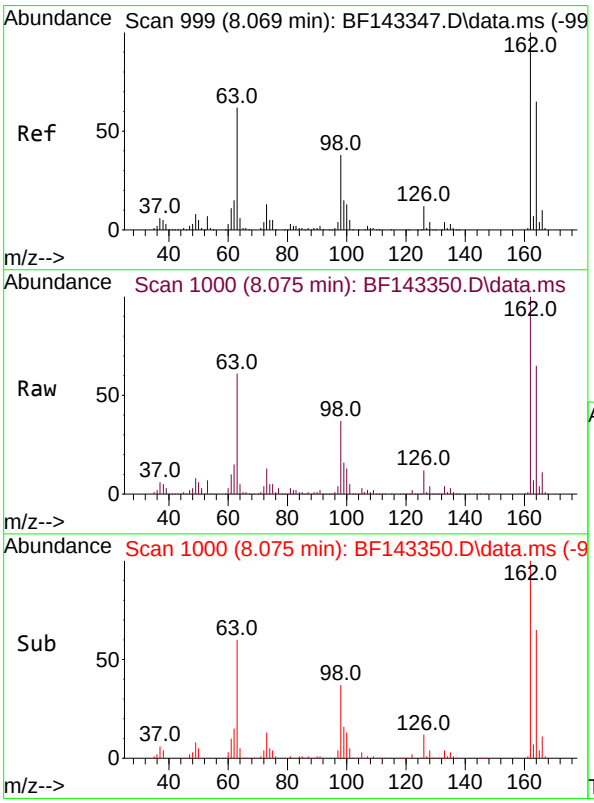
#28
bis(2-Chloroethoxy)methane
Concen: 73.686 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 921854

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	11.3	9.4	14.2

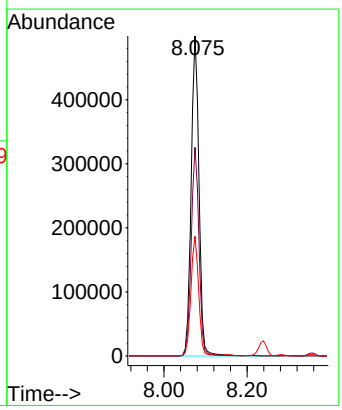


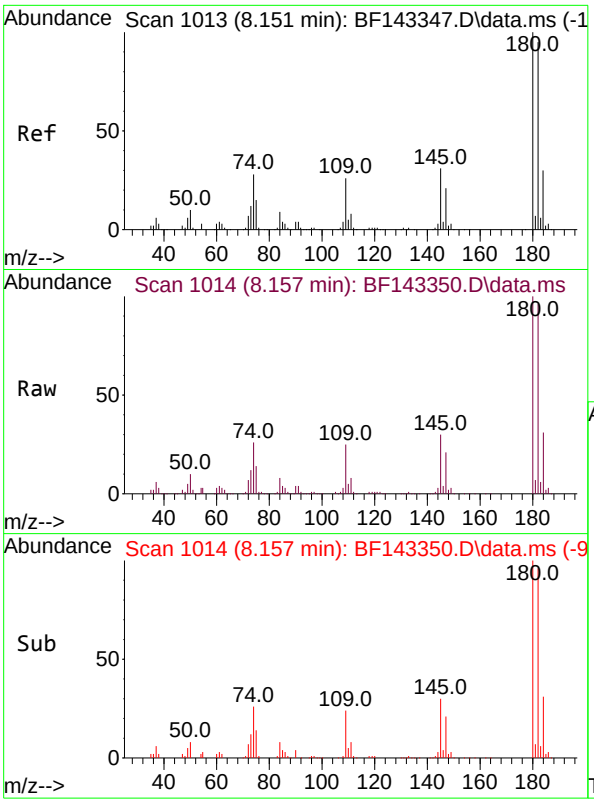


#29
2,4-Dichlorophenol
Concen: 78.392 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:162 Resp: 654545

Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.5	84.5
98	37.4	17.7	57.7



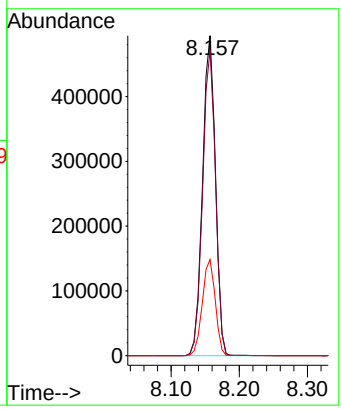


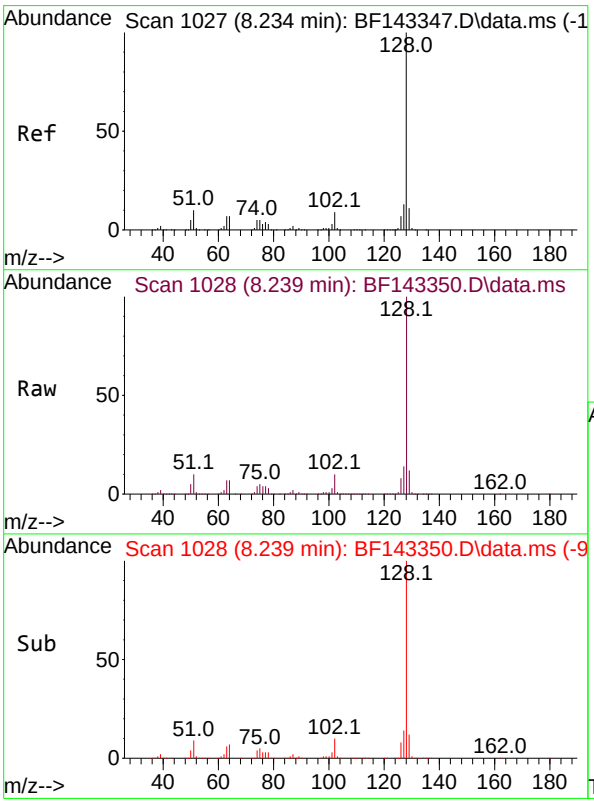
#30
1,2,4-Trichlorobenzene
Concen: 73.707 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 649172

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.1	114.1
145	30.0	24.9	37.3

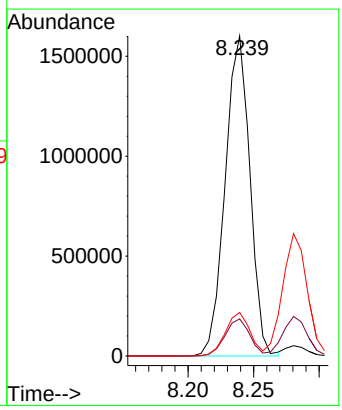


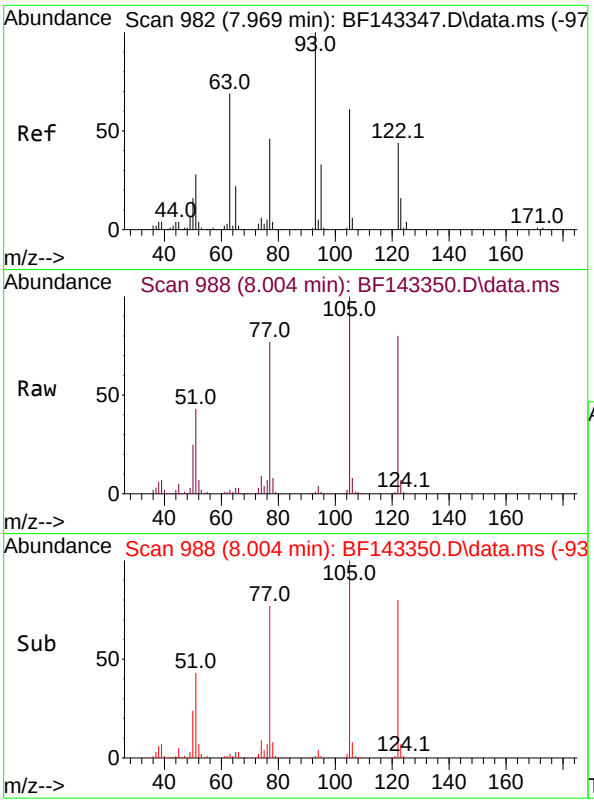


#31
Naphthalene
Concen: 69.783 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:128 Resp: 2098892

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.6	10.7	16.1



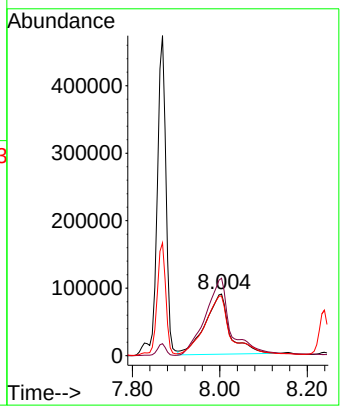


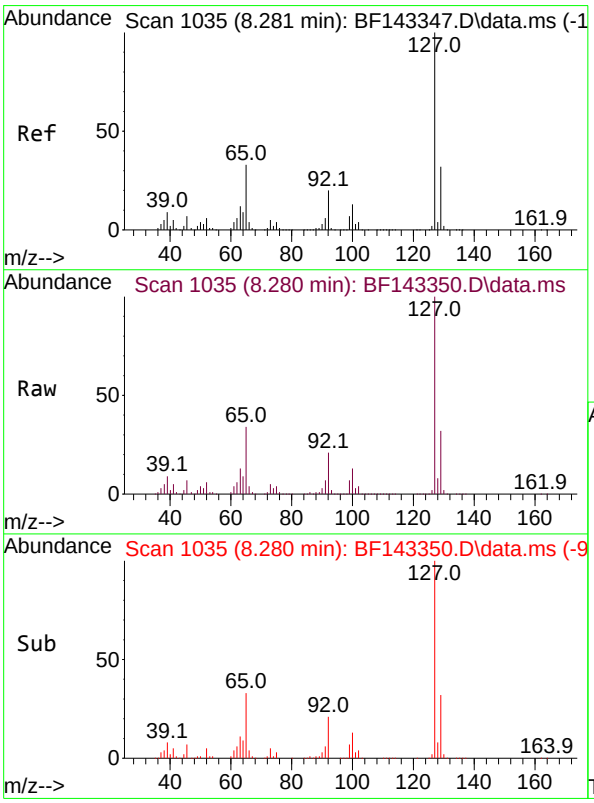
#32
Benzoic acid
Concen: 78.960 ng
RT: 8.004 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 354618

Ion	Ratio	Lower	Upper
122	100		
105	125.6	106.4	146.4
77	97.0	79.2	119.2

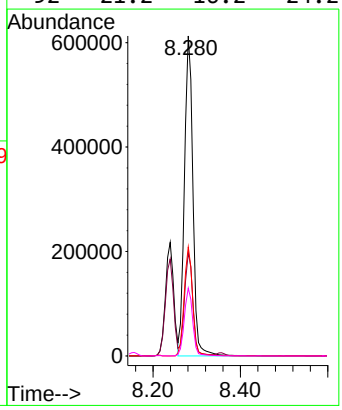


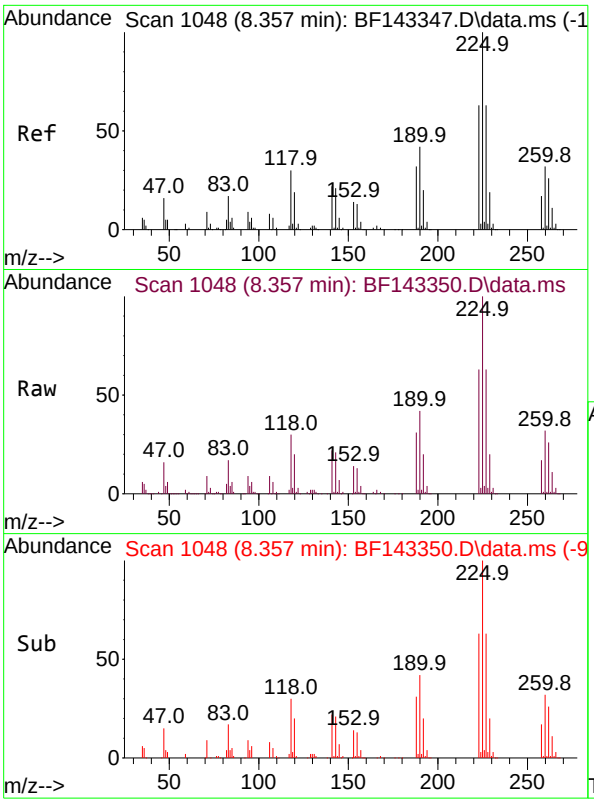


#33
4-Chloroaniline
Concen: 75.228 ng
RT: 8.280 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:127 Resp: 816103

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	34.0	27.0	40.4
92	21.2	16.2	24.2



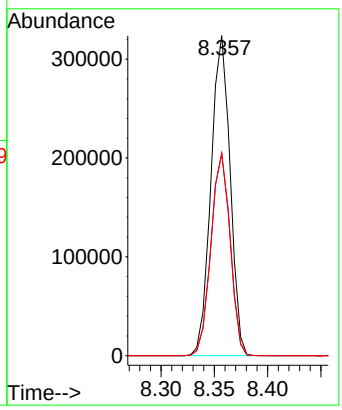


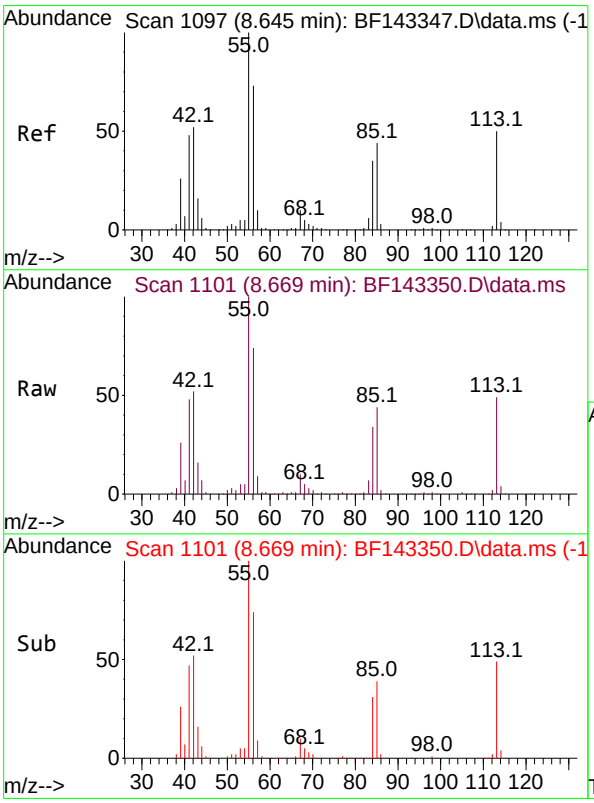
#34
Hexachlorobutadiene
Concen: 73.592 ng
RT: 8.357 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 403199

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.3	50.6	75.8

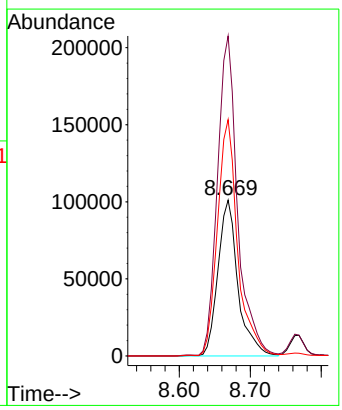


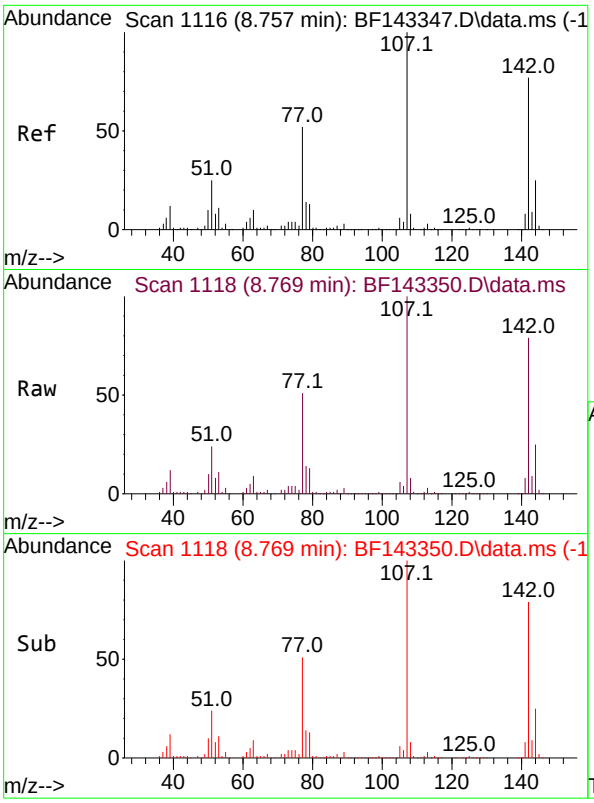


#35
Caprolactam
Concen: 84.172 ng
RT: 8.669 min Scan# 1101
Delta R.T. 0.023 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:113 Resp: 197571

Ion	Ratio	Lower	Upper
113	100		
55	205.3	181.4	221.4
56	151.6	127.3	167.3



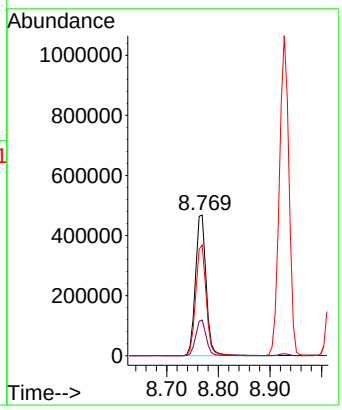


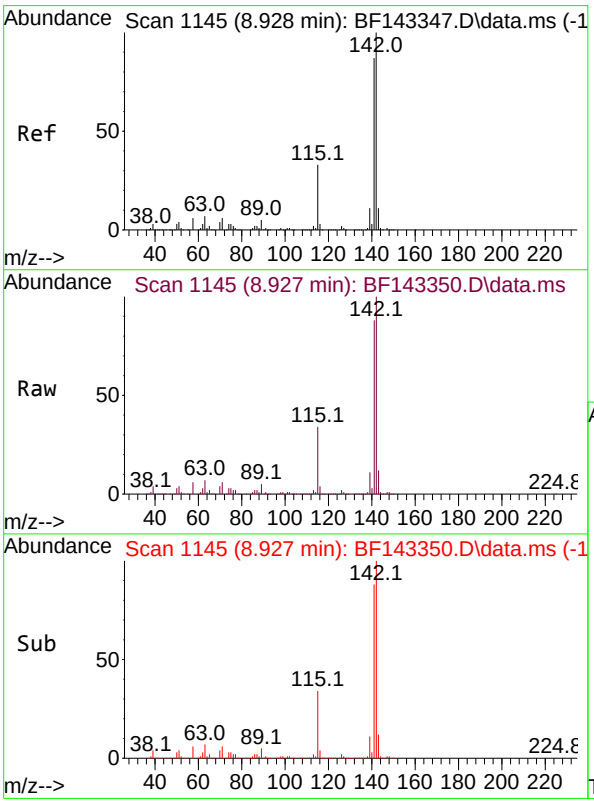
#36
4-Chloro-3-methylphenol
Concen: 77.000 ng
RT: 8.769 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 674001

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	78.5	61.3	91.9

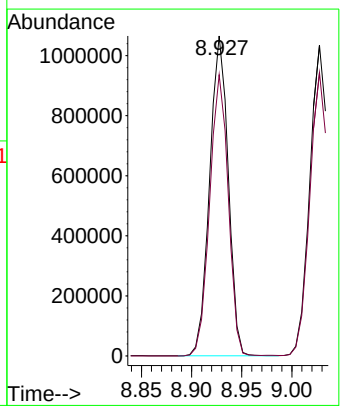


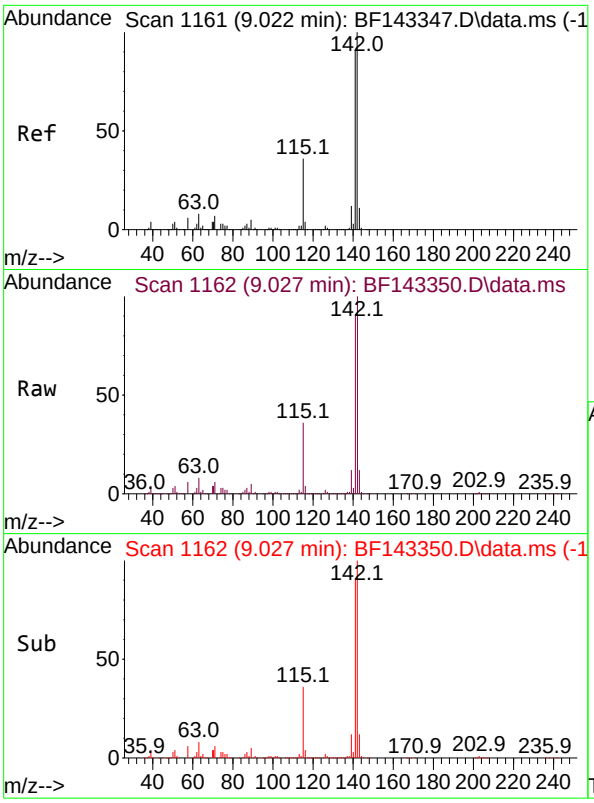


#37
2-Methylnaphthalene
Concen: 69.303 ng
RT: 8.927 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:142 Resp: 1370352

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.8	104.8



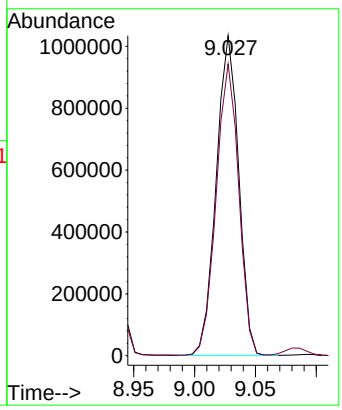


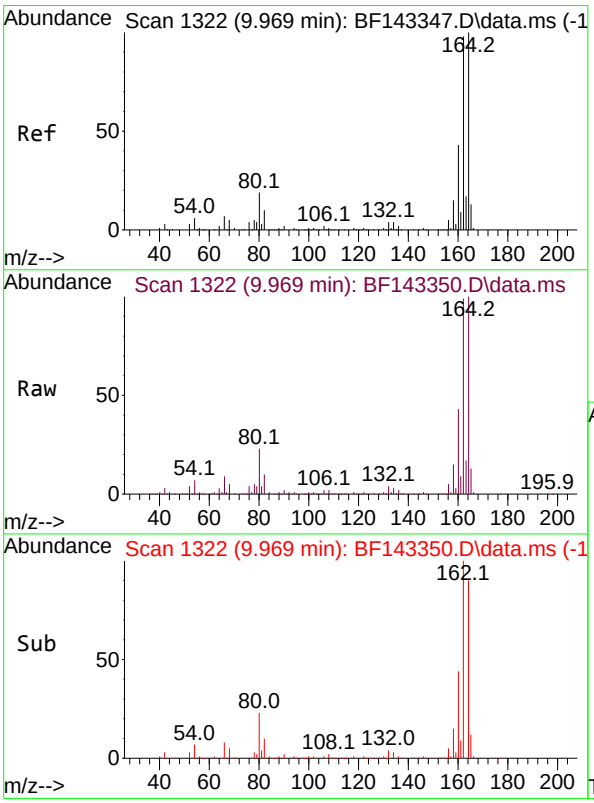
#38
1-Methylnaphthalene
Concen: 69.780 ng
RT: 9.027 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1328881

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.0	109.4

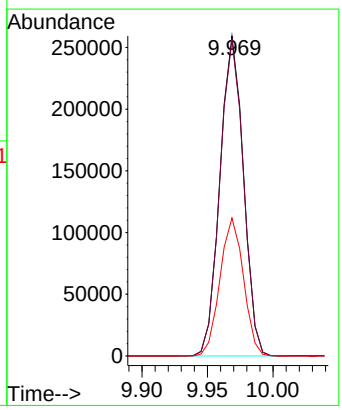


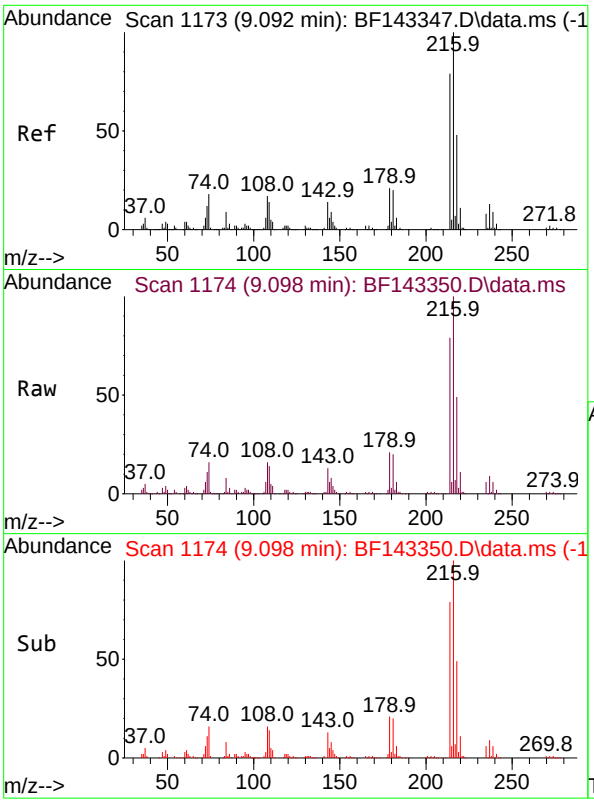


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:164 Resp: 322984

Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.6	118.0
160	43.1	34.4	51.6



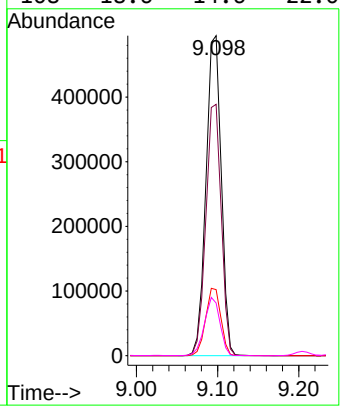


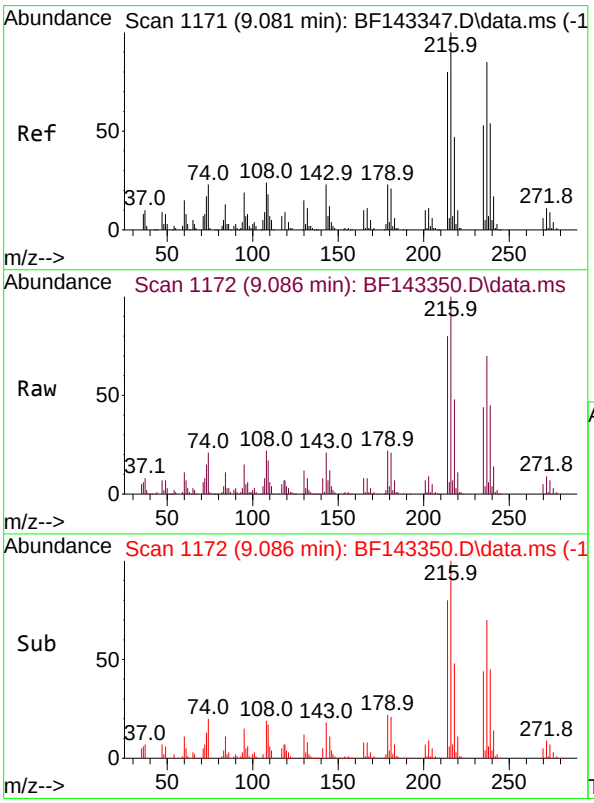
#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.936 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 644623

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	21.0	17.0	25.4
108	18.6	14.6	22.0

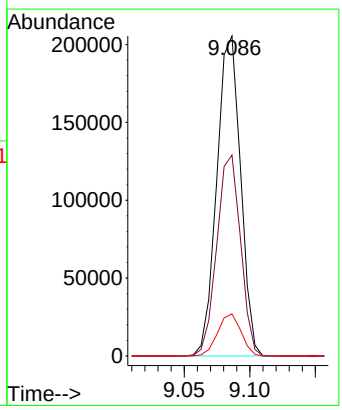


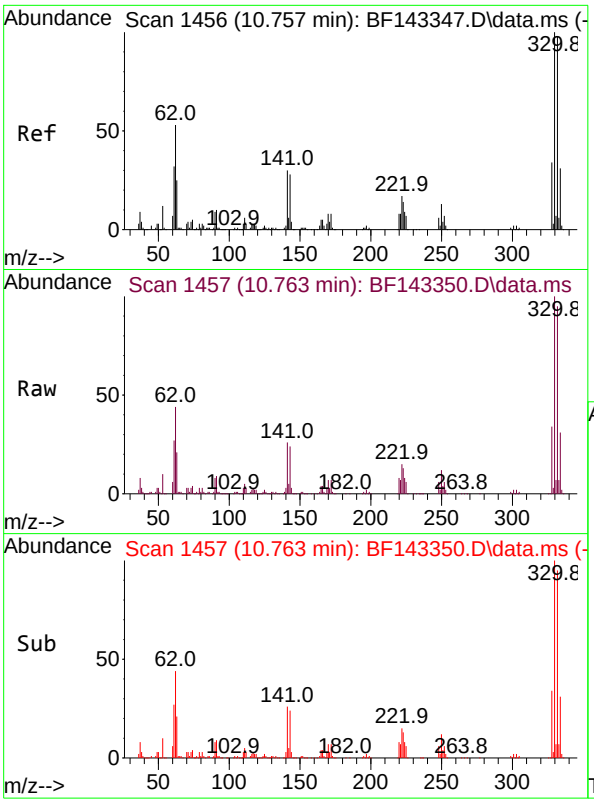


#41
Hexachlorocyclopentadiene
Concen: 82.835 ng
RT: 9.086 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:237 Resp: 259048

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.0	82.0
272	13.2	0.0	32.6



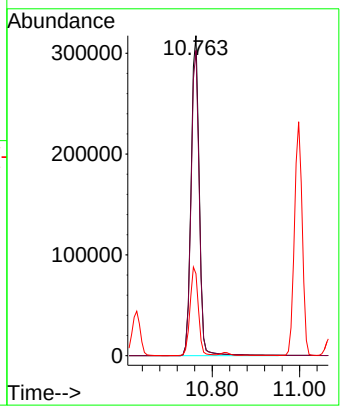


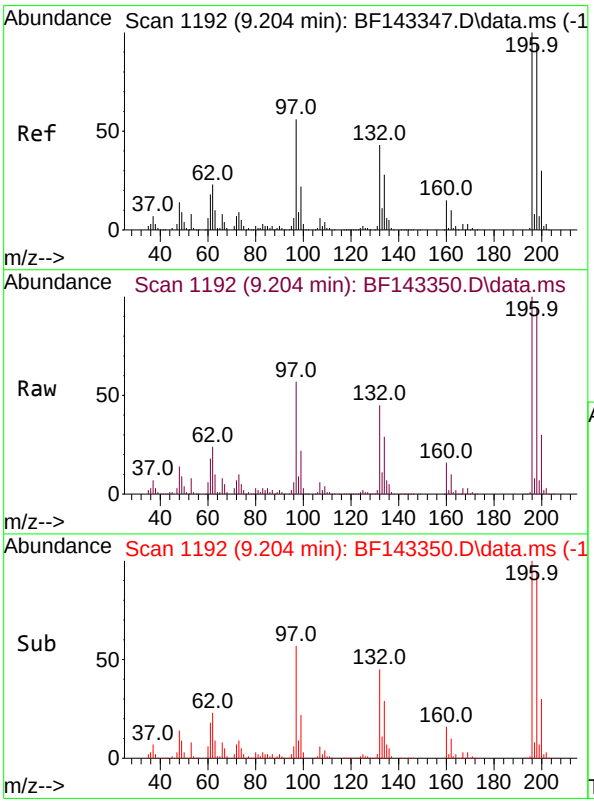
#42
2,4,6-Tribromophenol
Concen: 174.486 ng
RT: 10.763 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 411864

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.1	117.1
141	28.4	25.4	38.0

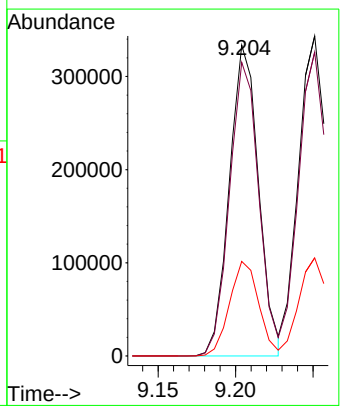


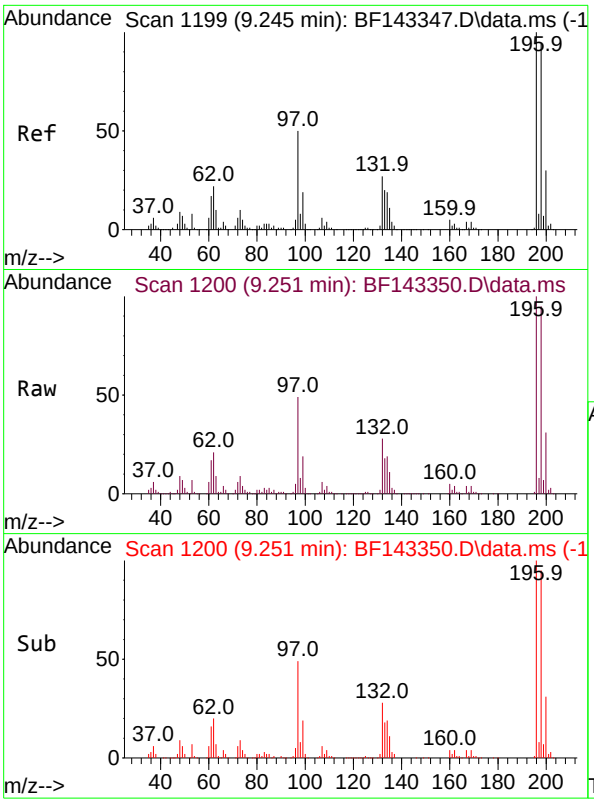


#43
2,4,6-Trichlorophenol
Concen: 87.149 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:196 Resp: 437022

Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.4	113.0
200	30.4	24.3	36.5



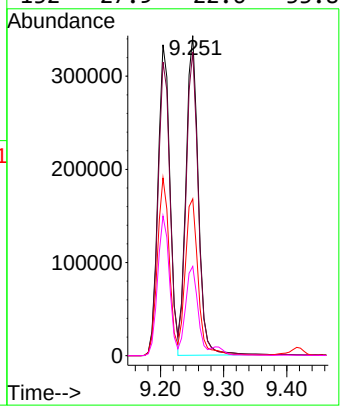


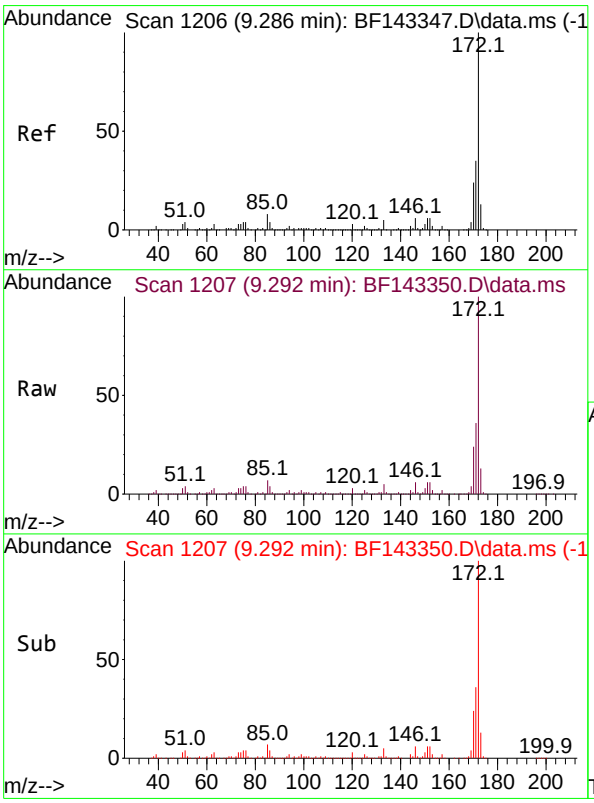
#44
2,4,5-Trichlorophenol
Concen: 82.433 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 466807

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.4	113.2
97	49.0	39.9	59.9
132	27.9	22.6	33.8

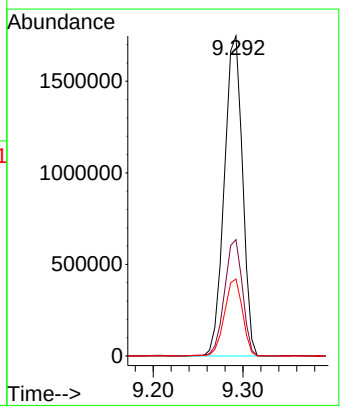


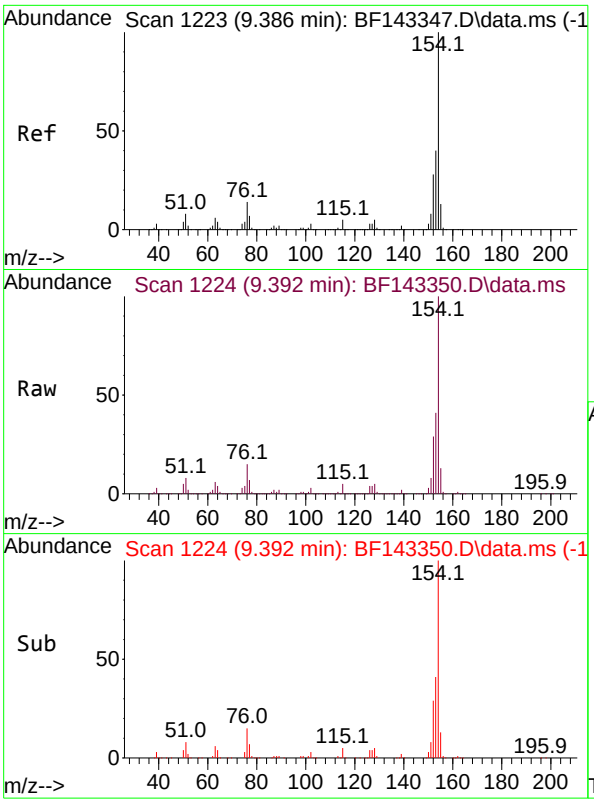


#45
2-Fluorobiphenyl
Concen: 129.045 ng
RT: 9.292 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:172 Resp: 2457872

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.4	42.6
170	24.0	19.1	28.7



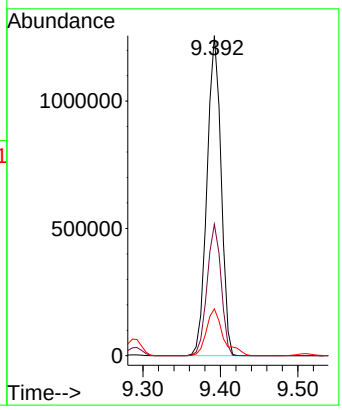


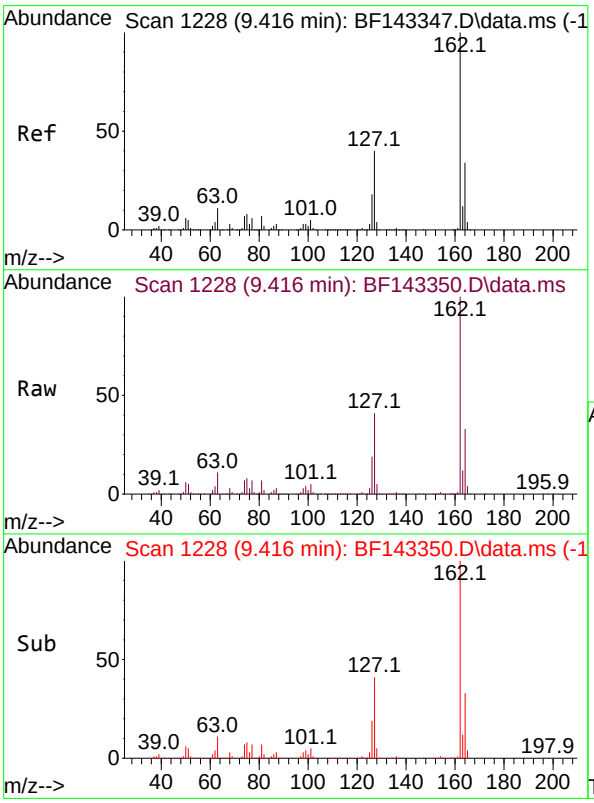
#46
1,1'-Biphenyl
Concen: 69.203 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1580379

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.2	60.2
76	14.6	0.0	34.4

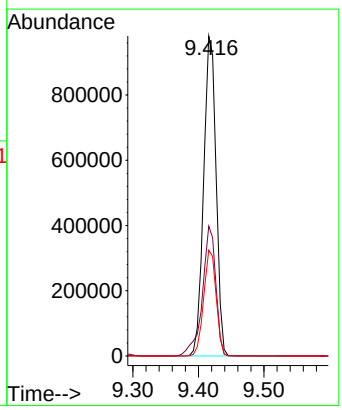


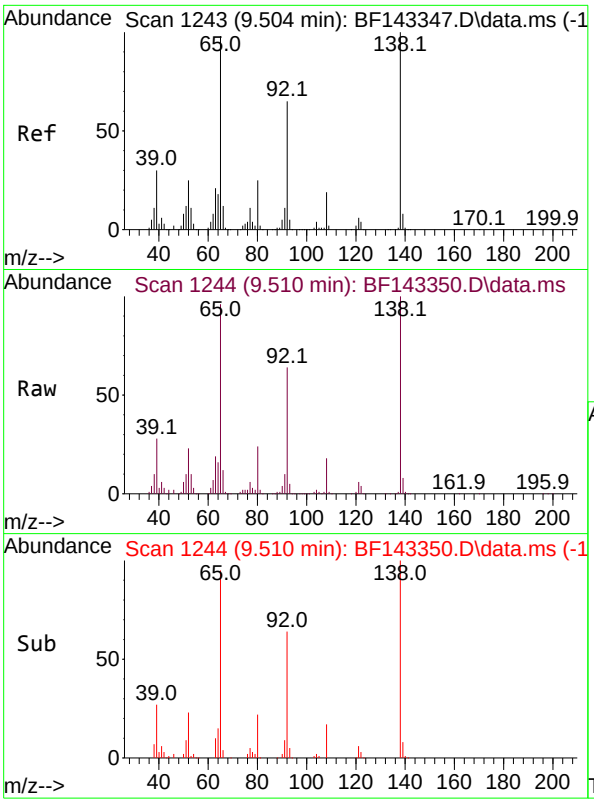


#47
2-Chloronaphthalene
Concen: 72.042 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:162 Resp: 1295723

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.1	48.1
164	33.1	27.0	40.4



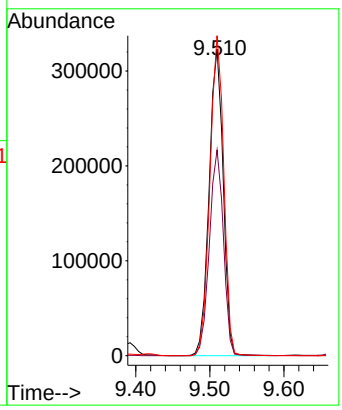


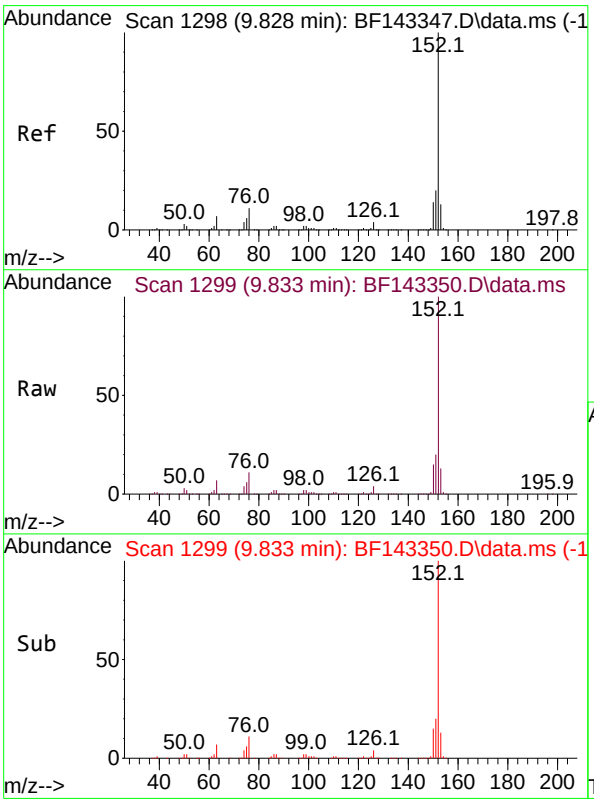
#48
2-Nitroaniline
Concen: 80.247 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 426490

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.1	79.7
138	104.4	81.4	122.0

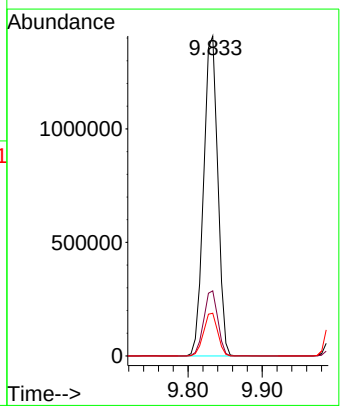


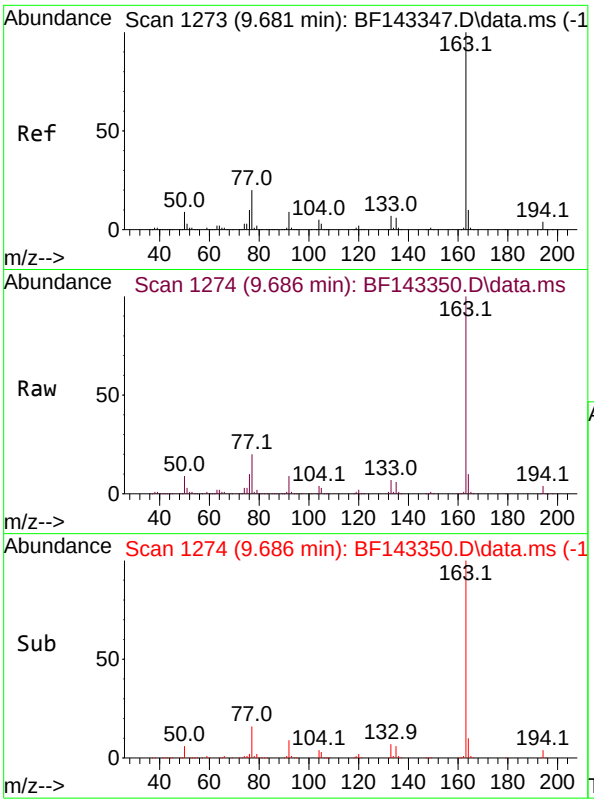


#49
Acenaphthylene
Concen: 71.842 ng
RT: 9.833 min Scan# 1299
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:152 Resp: 1865988

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.3	10.6	16.0



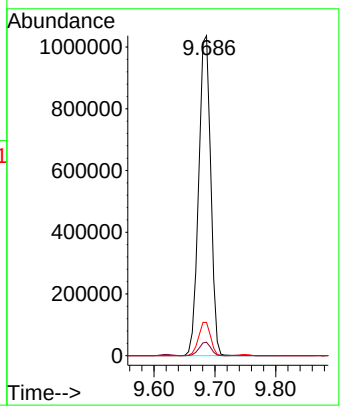


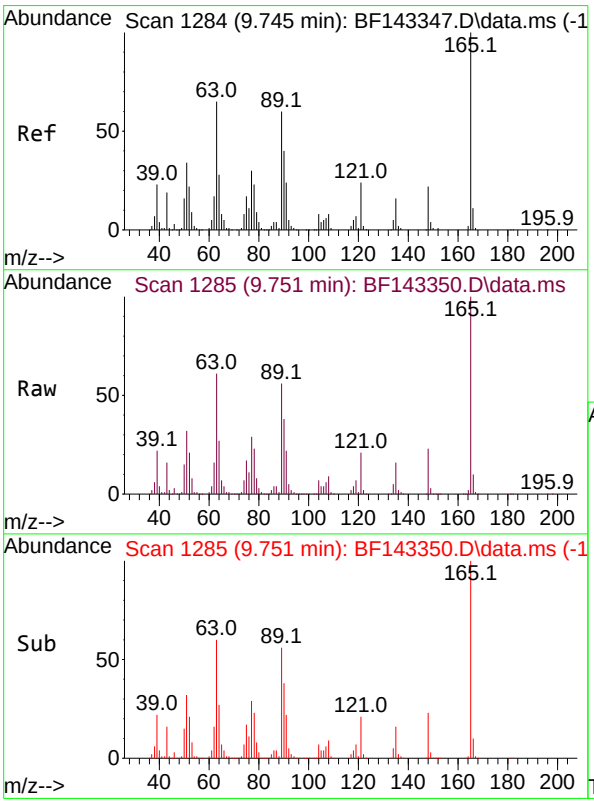
#50
Dimethylphthalate
Concen: 75.513 ng
RT: 9.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 1425124

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.4	8.2	12.2

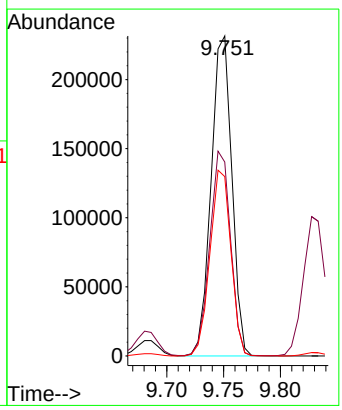


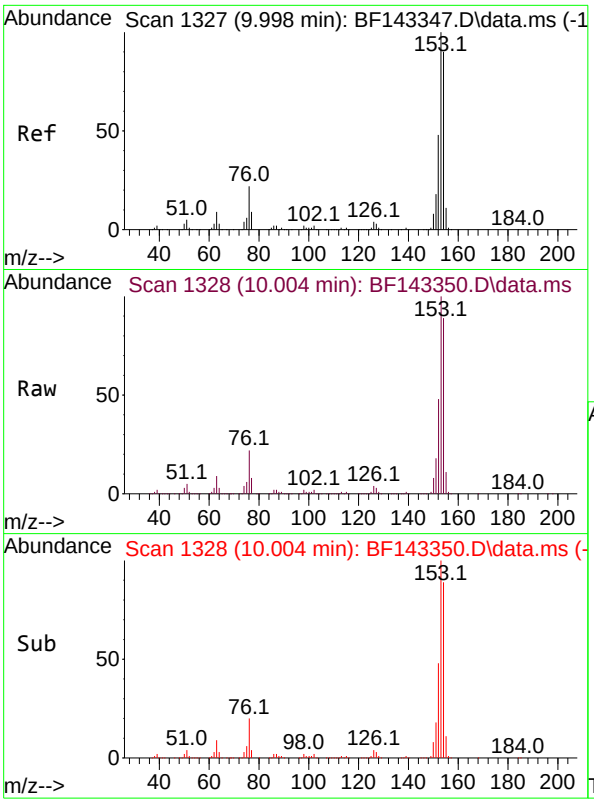


#51
2,6-Dinitrotoluene
Concen: 80.211 ng
RT: 9.751 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:165 Resp: 294018

Ion	Ratio	Lower	Upper
165	100		
63	60.6	51.6	77.4
89	56.1	47.7	71.5



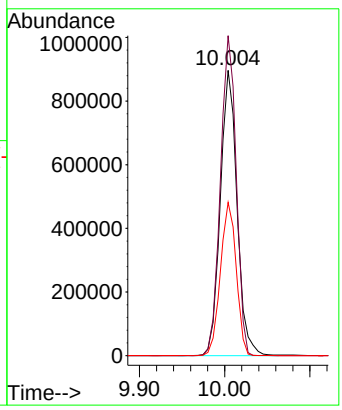


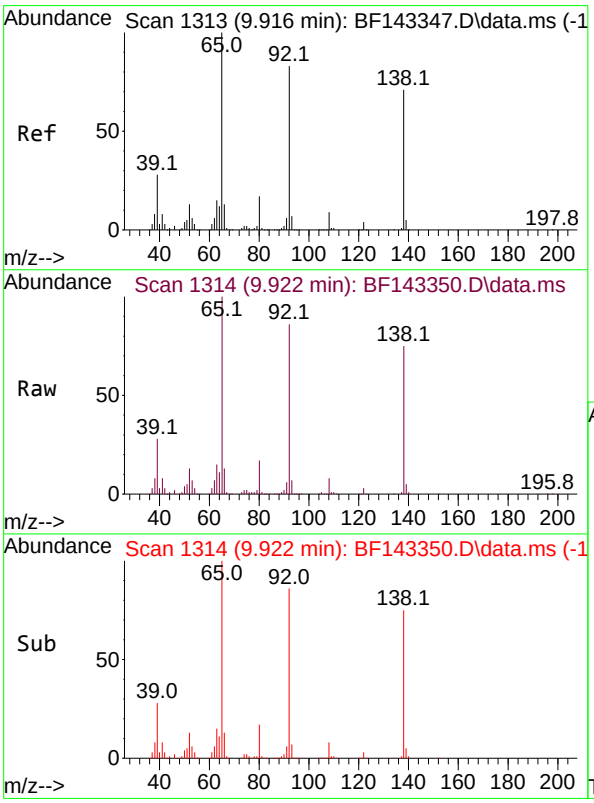
#52
Acenaphthene
Concen: 70.714 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 1221046

Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.5	132.7
152	53.7	42.4	63.6

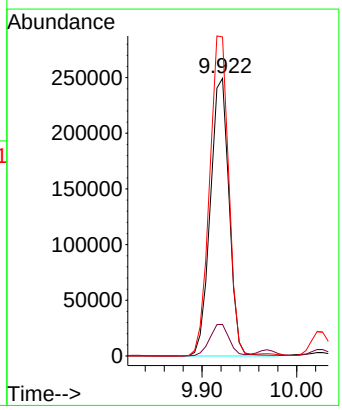


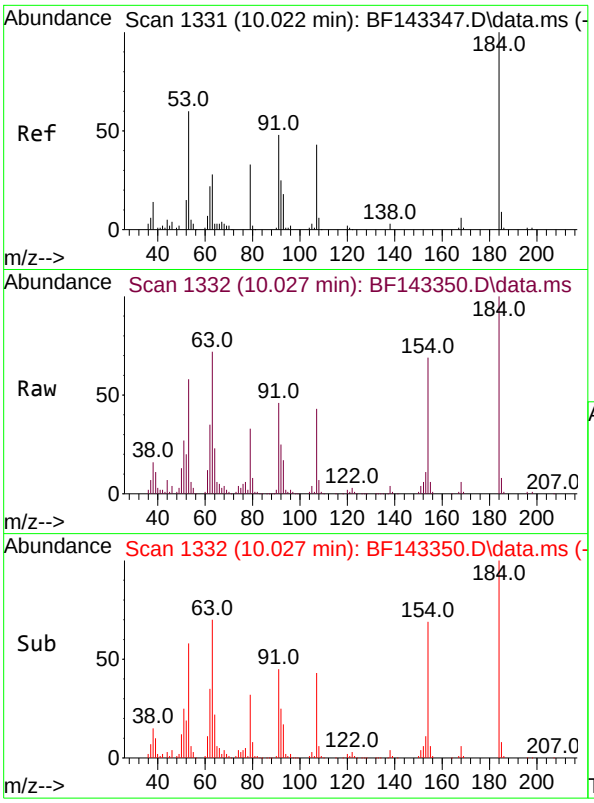


#53
3-Nitroaniline
Concen: 88.887 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:138 Resp: 343541

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.6	14.4
92	114.9	93.4	140.2



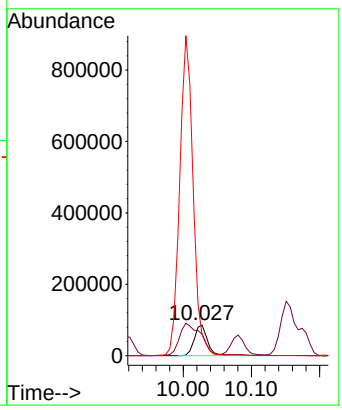


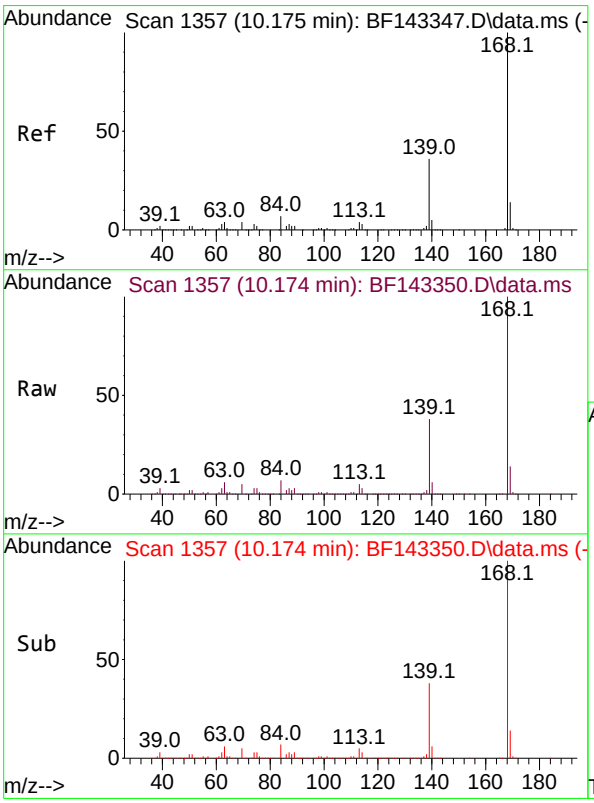
#54
2,4-Dinitrophenol
Concen: 79.041 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 118753

Ion	Ratio	Lower	Upper
184	100		
63	71.5	62.5	93.7
154	69.2	73.0	109.4#

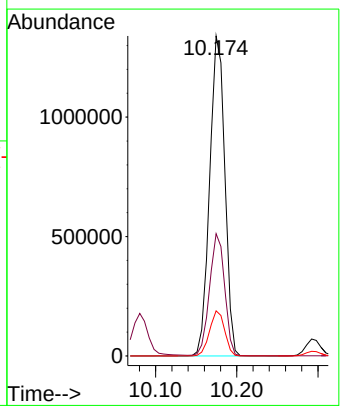


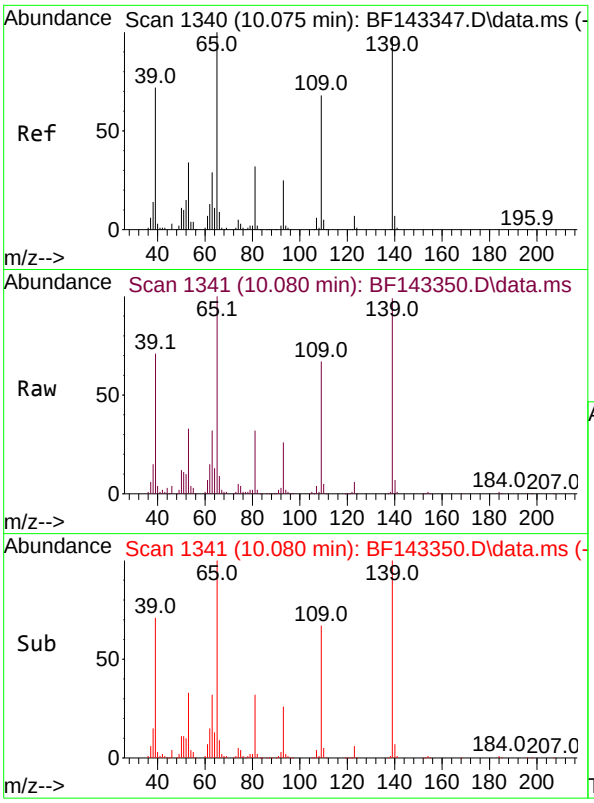


#55
Dibenzofuran
Concen: 69.969 ng
RT: 10.174 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:168 Resp: 1738835

Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.4	44.0
169	14.1	11.0	16.6



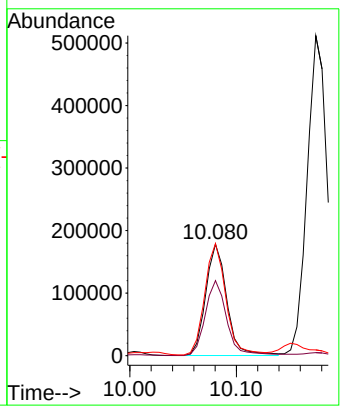


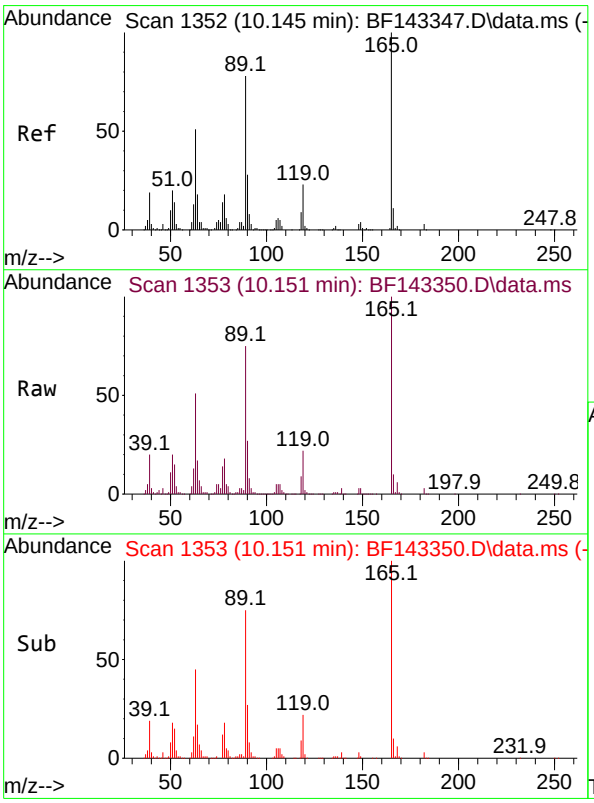
#56
4-Nitrophenol
Concen: 79.477 ng
RT: 10.080 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 245374

Ion	Ratio	Lower	Upper
139	100		
109	67.4	49.4	89.4
65	100.6	83.7	123.7

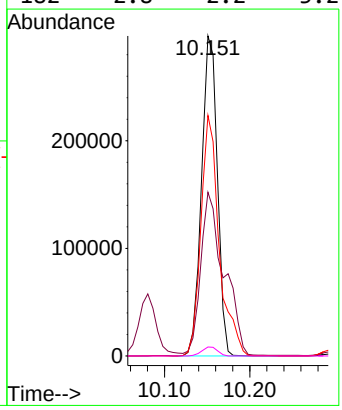


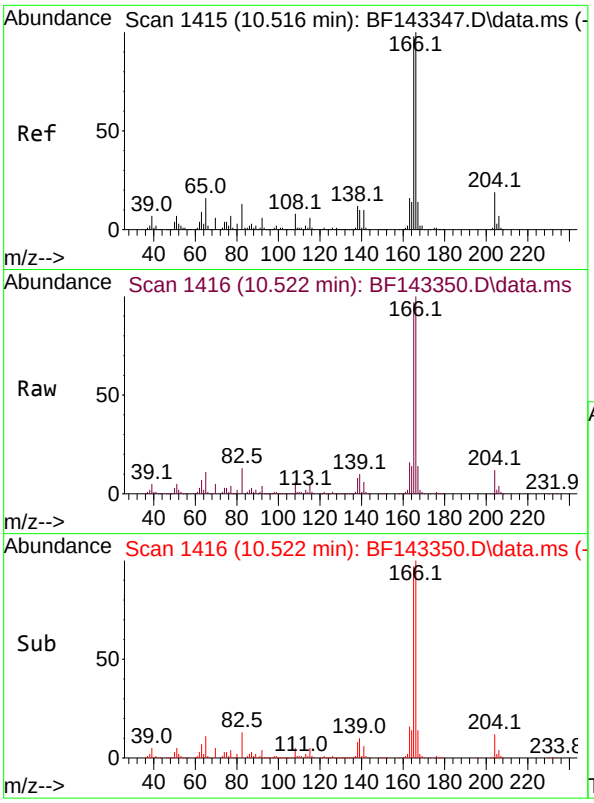


#57
2,4-Dinitrotoluene
Concen: 78.864 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:165 Resp: 383533

Ion	Ratio	Lower	Upper
165	100		
63	51.2	41.8	62.8
89	75.1	62.4	93.6
182	2.8	2.2	3.2



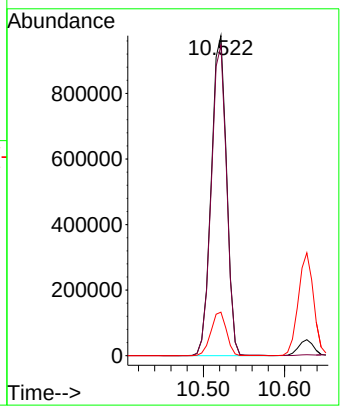


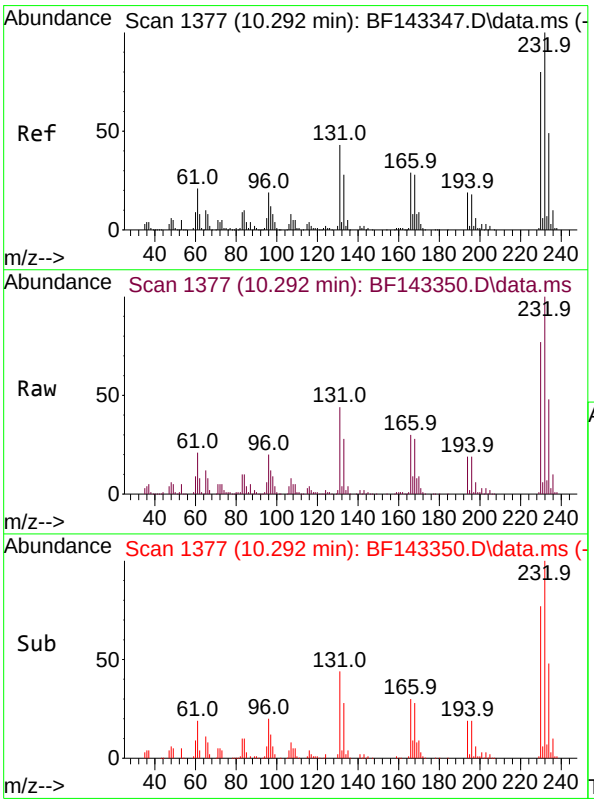
#58
Fluorene
Concen: 67.103 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 1273759

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.2	117.4
167	13.6	10.9	16.3

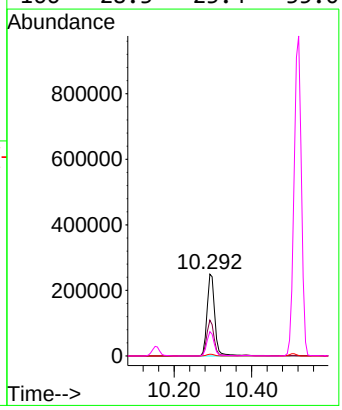


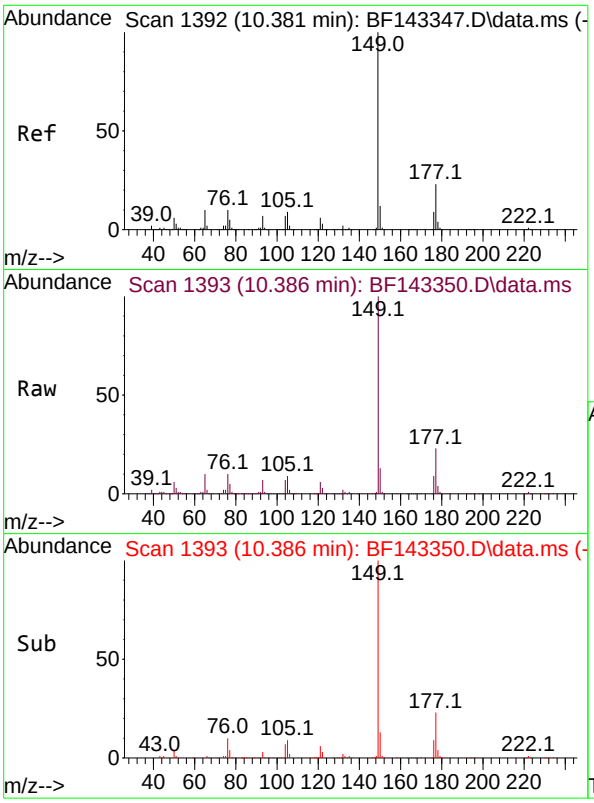


#59
2,3,4,6-Tetrachlorophenol
Concen: 91.466 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:232 Resp: 349157

Ion	Ratio	Lower	Upper
232	100		
131	41.7	34.6	51.8
130	2.1	1.7	2.5
166	28.3	23.4	35.0



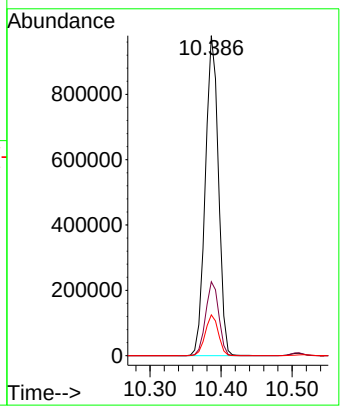


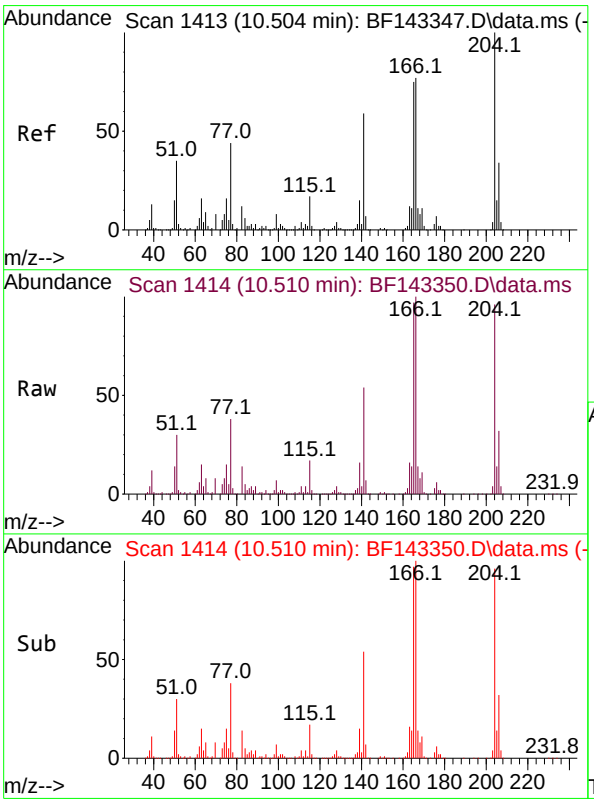
#60
Diethylphthalate
Concen: 74.465 ng
RT: 10.386 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1258798

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.2
150	12.8	9.9	14.9

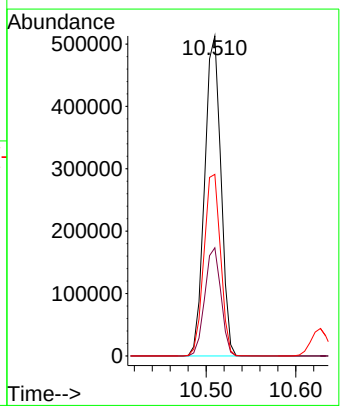


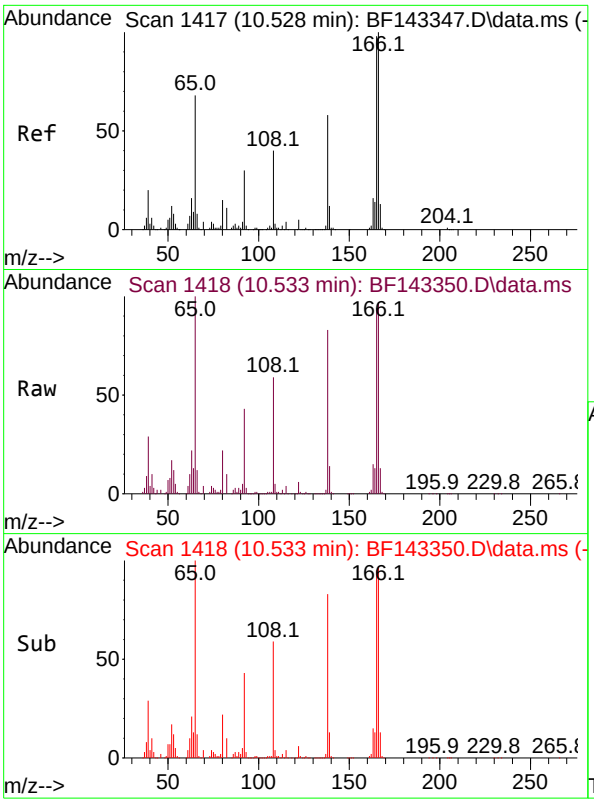


#61
4-Chlorophenyl-phenylether
Concen: 70.191 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:204 Resp: 643793

Ion	Ratio	Lower	Upper
204	100		
206	33.8	27.4	41.2
141	56.8	46.9	70.3



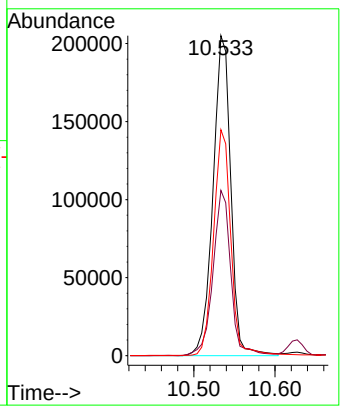


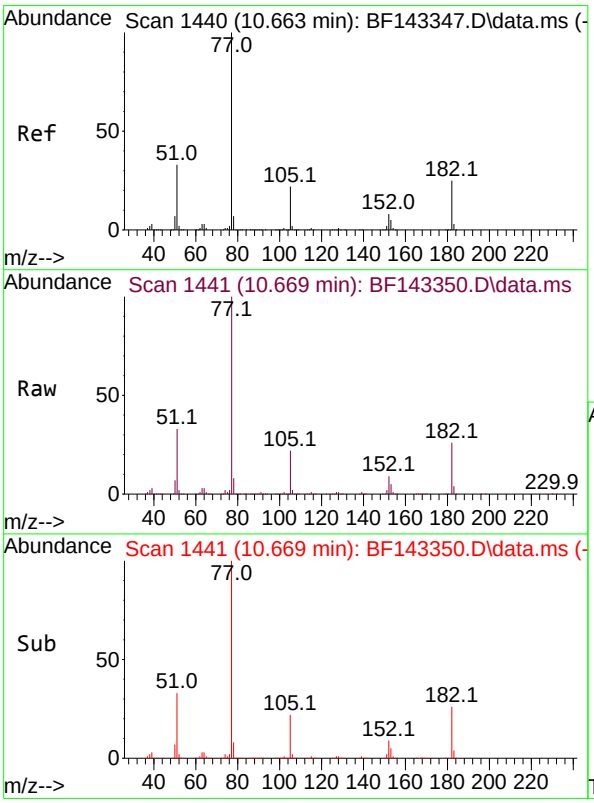
#62
4-Nitroaniline
Concen: 83.616 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 312667

Ion	Ratio	Lower	Upper
138	100		
92	51.7	31.2	71.2
108	70.6	48.1	88.1

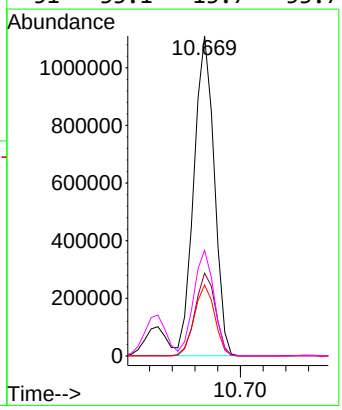


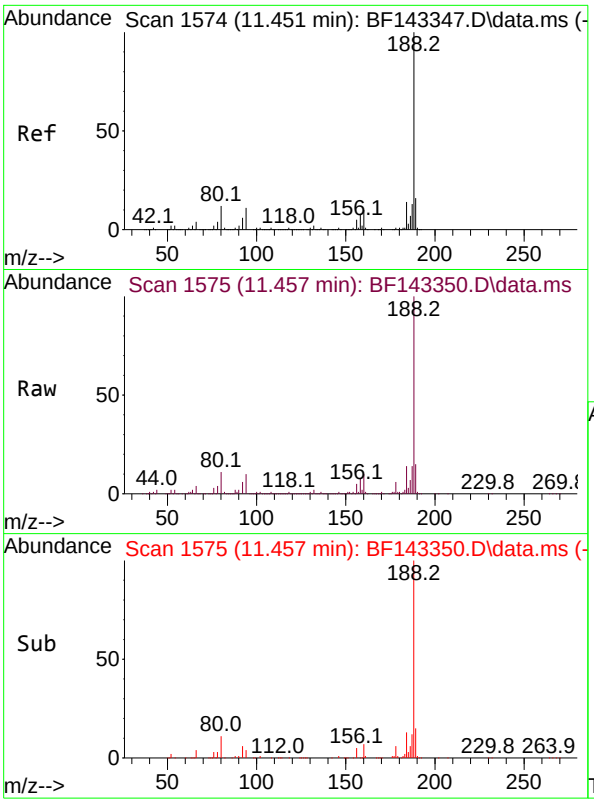


#63
Azobenzene
Concen: 71.269 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion: 77 Resp: 1376109

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.4	44.4
105	22.2	1.8	41.8
51	33.1	13.7	53.7



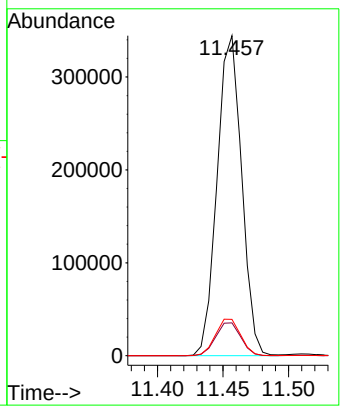


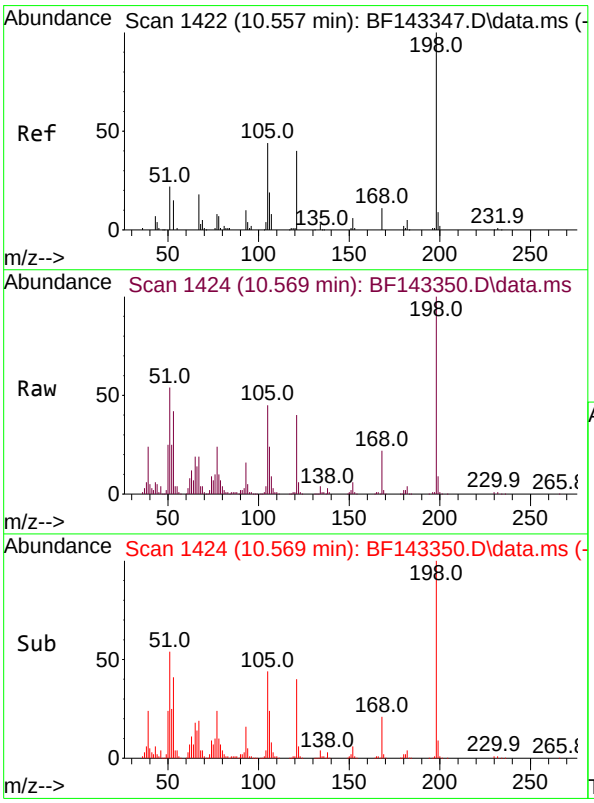
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 448378

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.8	13.2
80	11.4	9.7	14.5

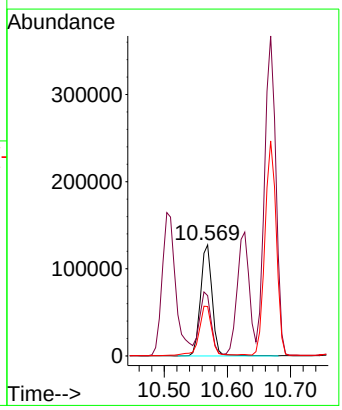


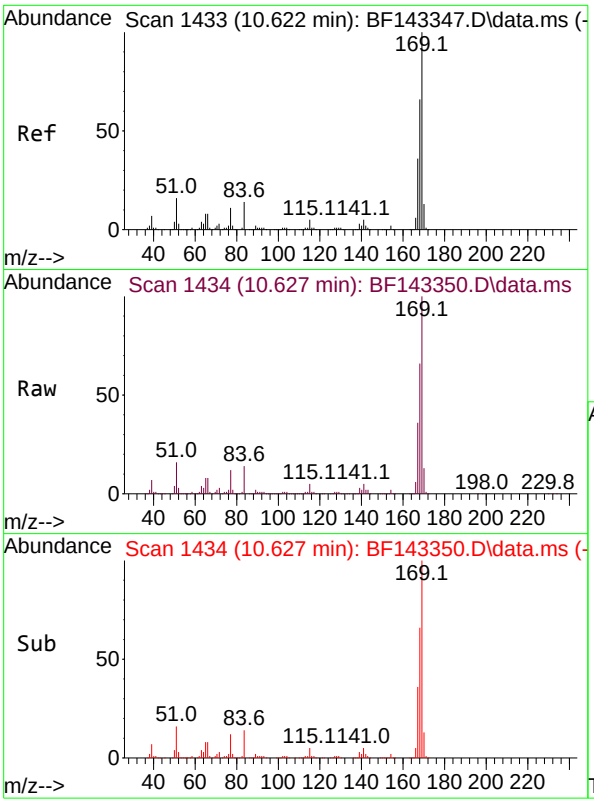


#65
4,6-Dinitro-2-methylphenol
Concen: 83.490 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:198 Resp: 162929

Ion	Ratio	Lower	Upper
198	100		
51	54.2	41.7	81.7
105	44.5	26.8	66.8



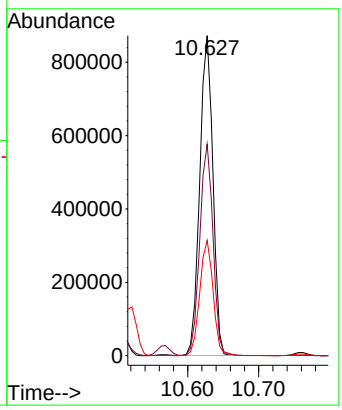


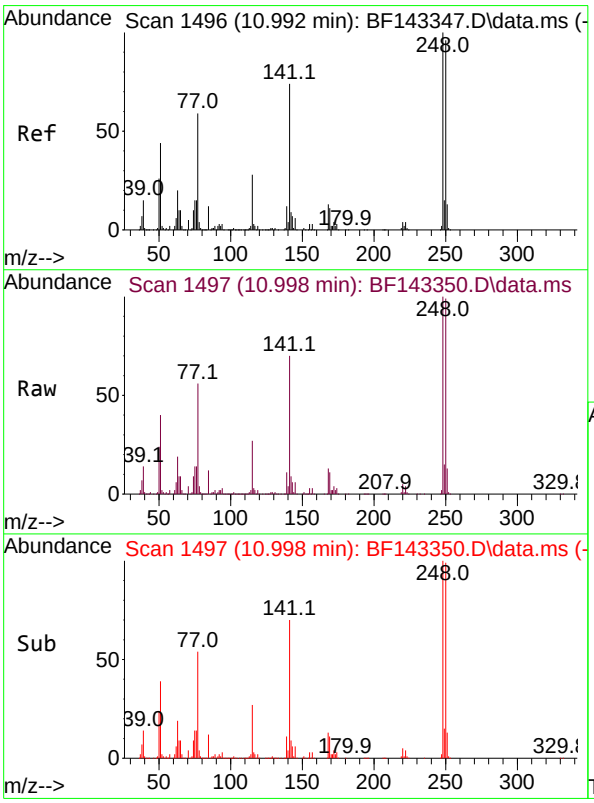
#66
n-Nitrosodiphenylamine
Concen: 76.190 ng
RT: 10.627 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 1124872

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.7	79.1
167	36.0	28.6	42.8

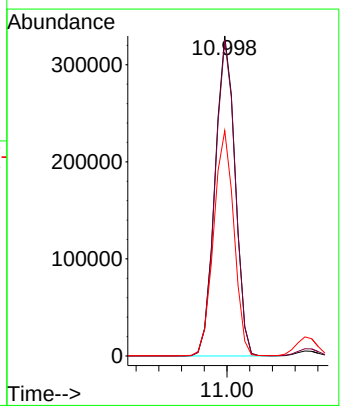


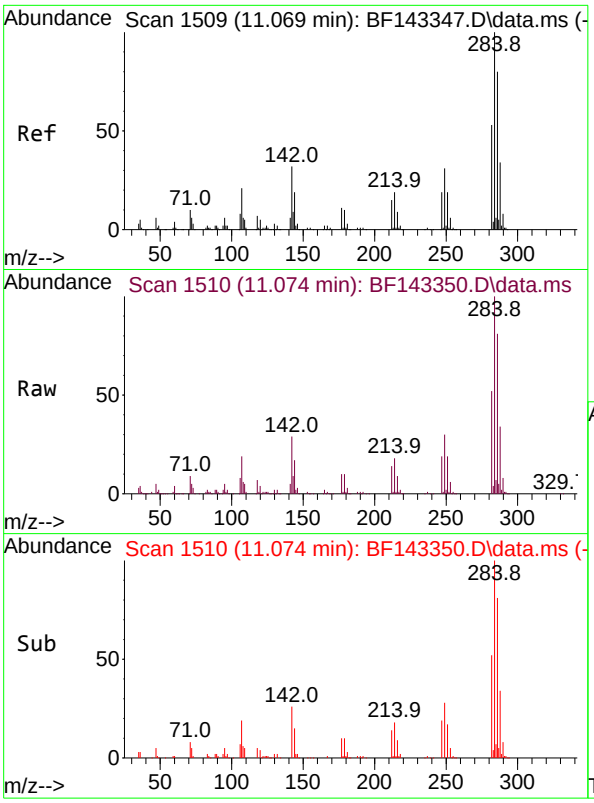


#67
4-Bromophenyl-phenylether
Concen: 79.007 ng
RT: 10.998 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:248 Resp: 405148

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.1	115.7
141	70.4	59.1	88.7



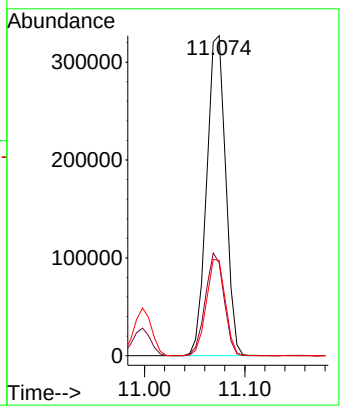


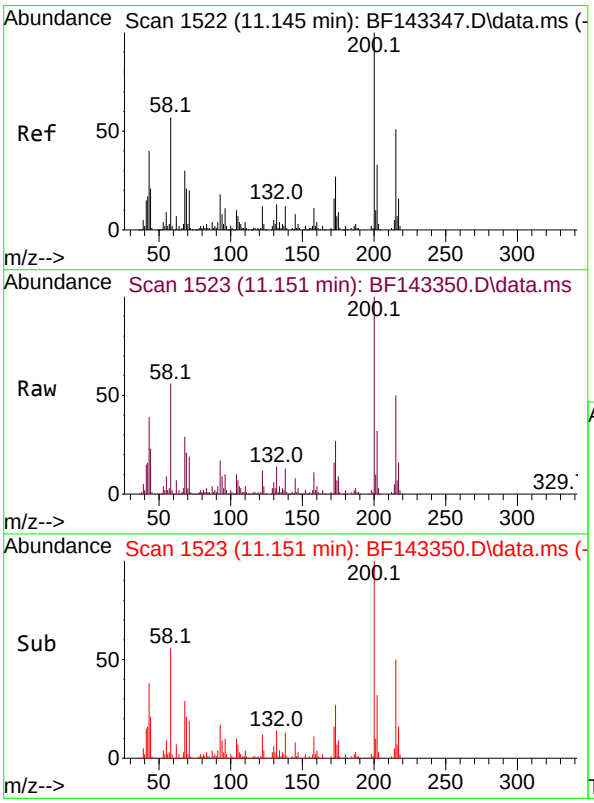
#68
Hexachlorobenzene
Concen: 78.001 ng
RT: 11.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 431148

Ion	Ratio	Lower	Upper
284	100		
142	29.0	25.7	38.5
249	29.7	24.6	37.0

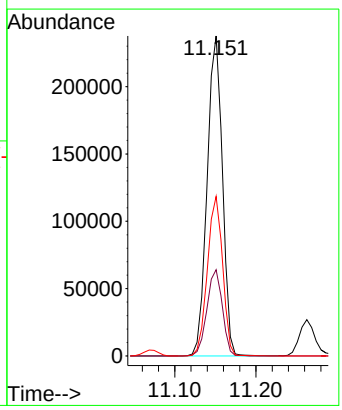


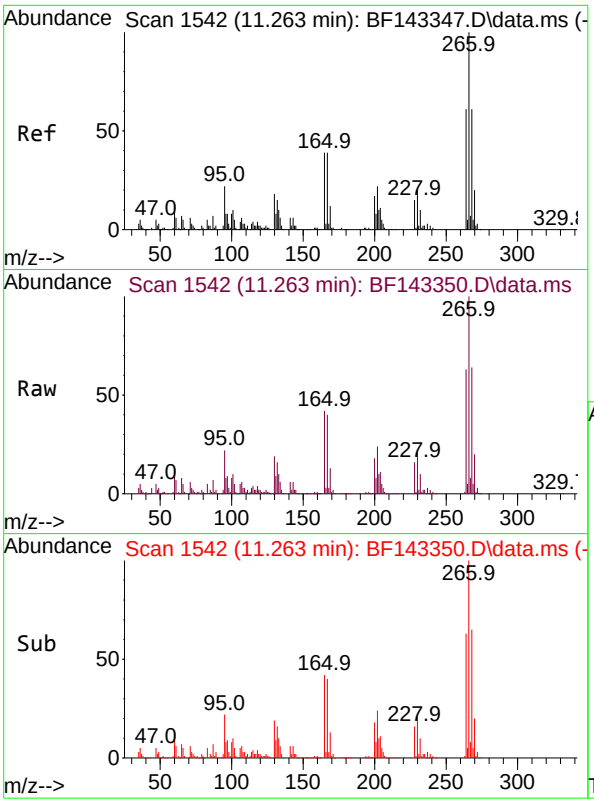


#69
Atrazine
Concen: 80.438 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:200 Resp: 309748

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.6	46.6
215	49.8	30.6	70.6



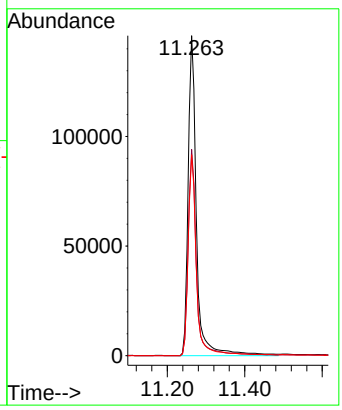


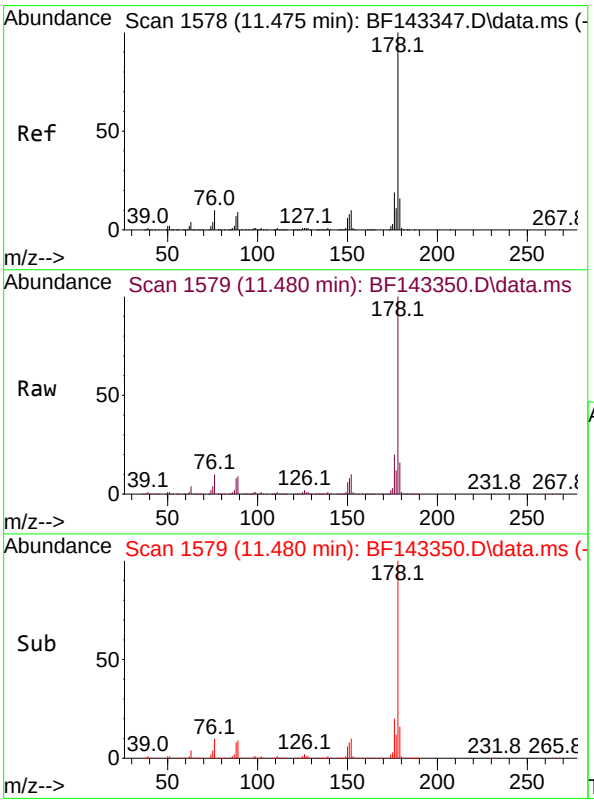
#70
Pentachlorophenol
Concen: 80.616 ng
RT: 11.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 218250

Ion	Ratio	Lower	Upper
266	100		
268	64.5	48.8	73.2
264	62.8	48.8	73.2

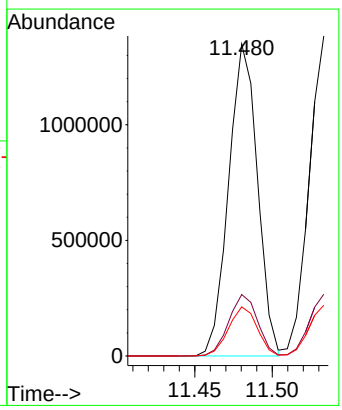


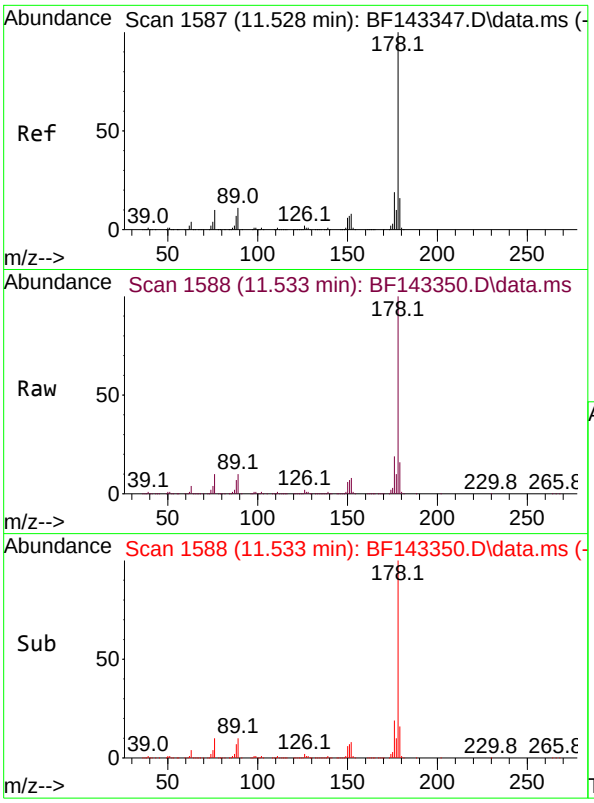


#71
Phenanthrene
Concen: 71.351 ng
RT: 11.480 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:178 Resp: 1745493

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.5	18.7



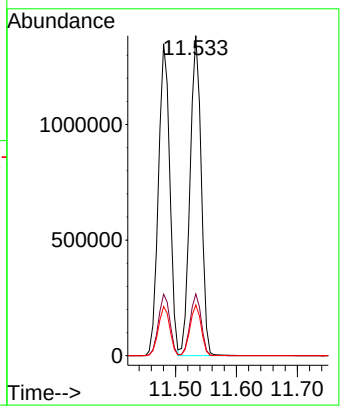


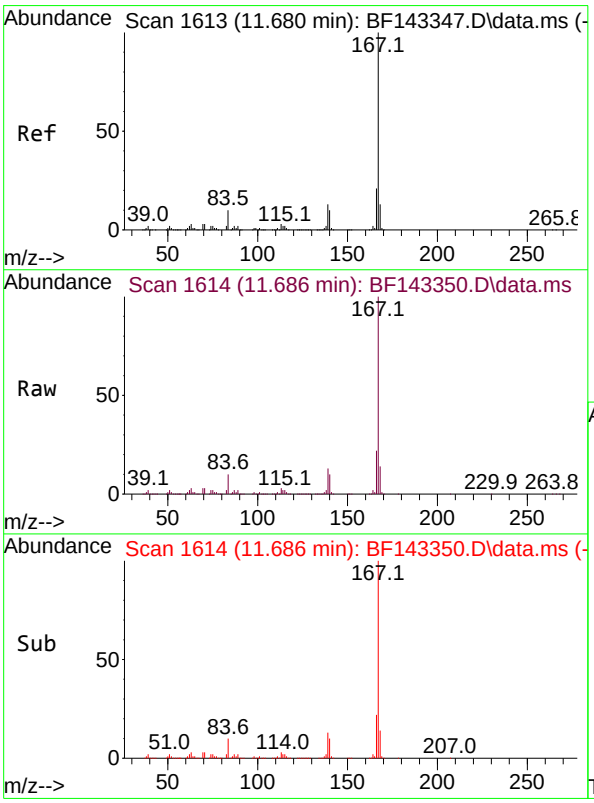
#72
Anthracene
Concen: 70.871 ng
RT: 11.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1758274

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.9	12.7	19.1

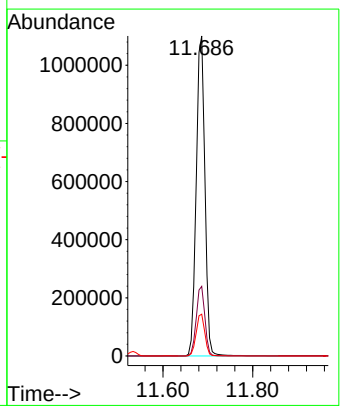


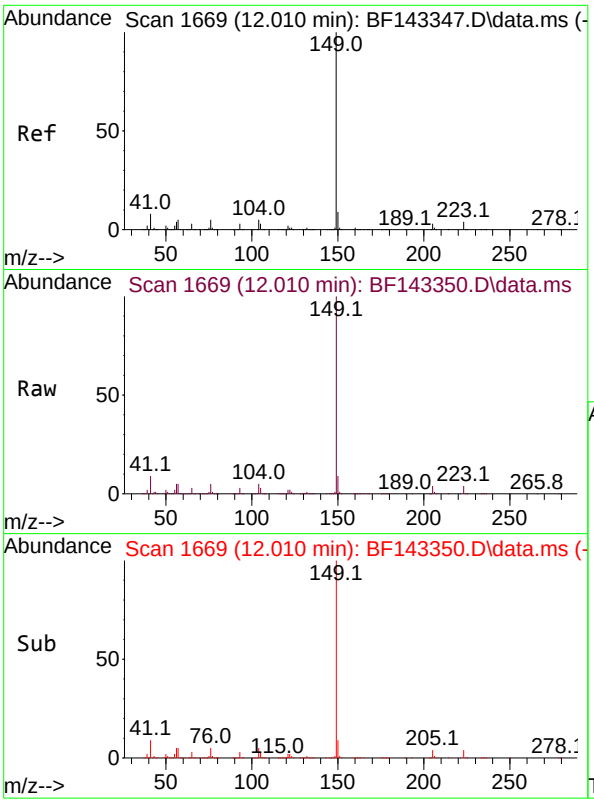


#73
Carbazole
Concen: 70.029 ng
RT: 11.686 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:167 Resp: 1479652

Ion	Ratio	Lower	Upper
167	100		
166	21.7	16.8	25.2
139	13.1	10.2	15.2



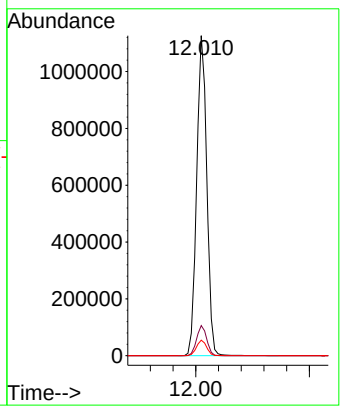


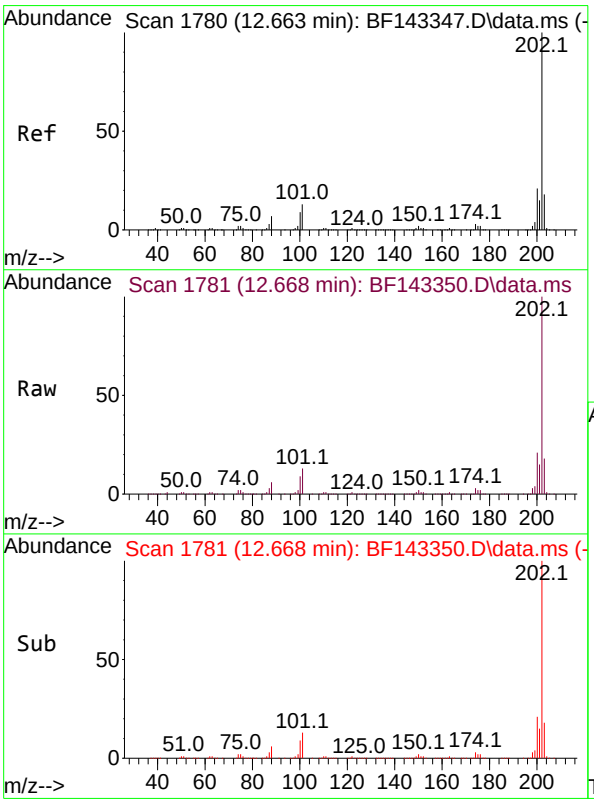
#74
Di-n-butylphthalate
Concen: 78.244 ng
RT: 12.010 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1398975

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.9	3.8	5.8

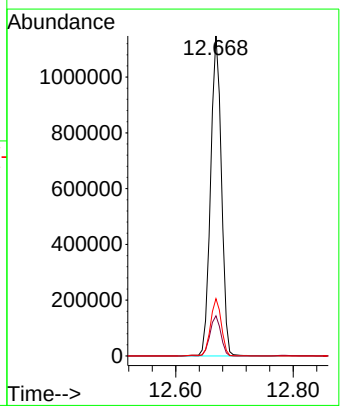


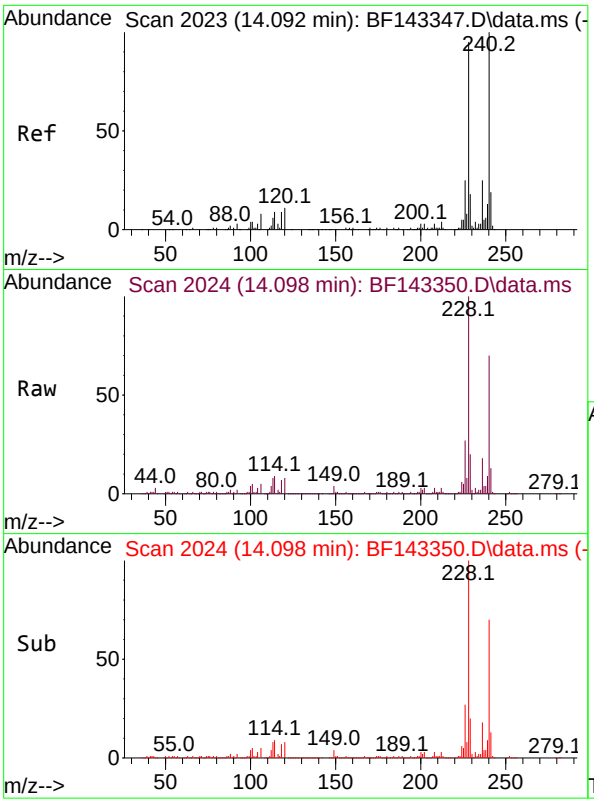


#75
Fluoranthene
Concen: 68.634 ng
RT: 12.668 min Scan# 1781
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:202 Resp: 1470742

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.9	0.0	37.6



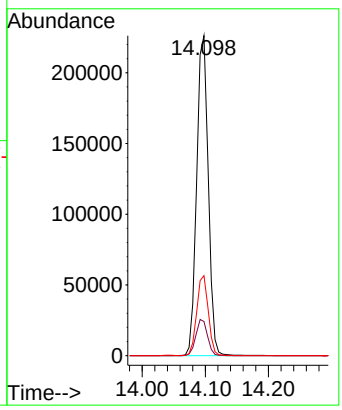


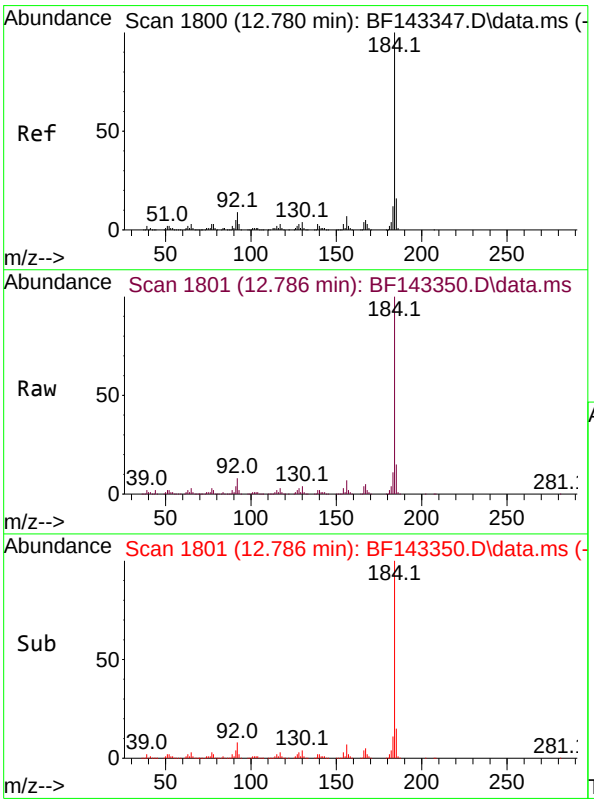
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 287871

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	25.0	19.9	29.9

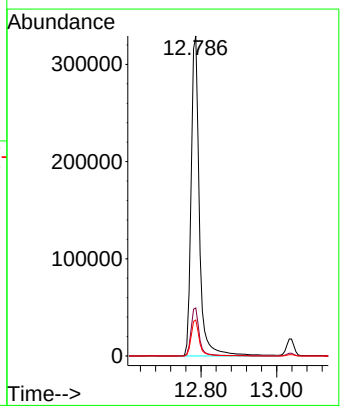


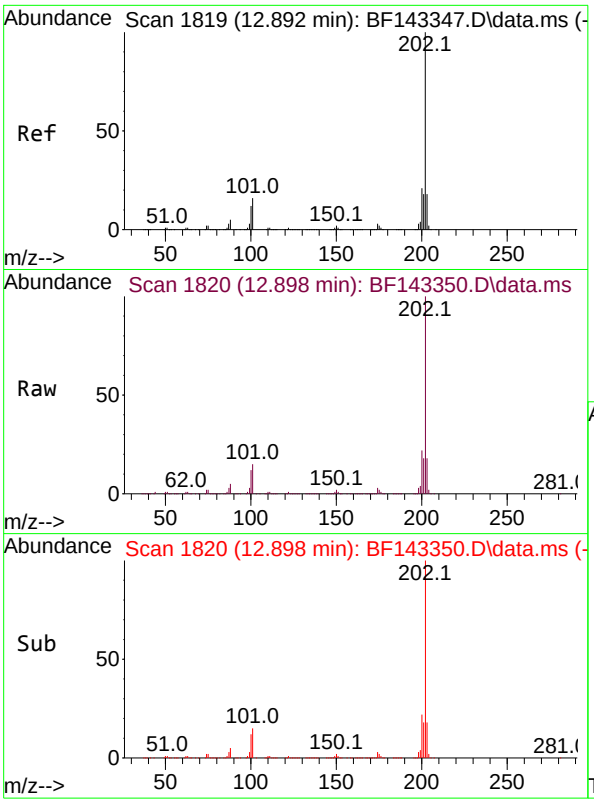


#77
Benzidine
Concen: 63.571 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:184 Resp: 500314

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.8	19.2
183	11.2	9.3	13.9



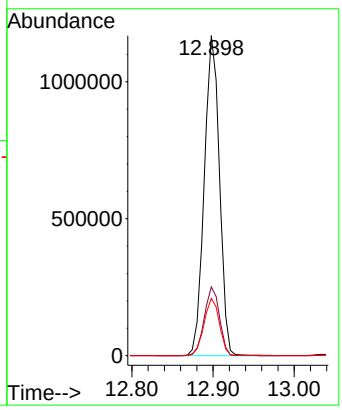


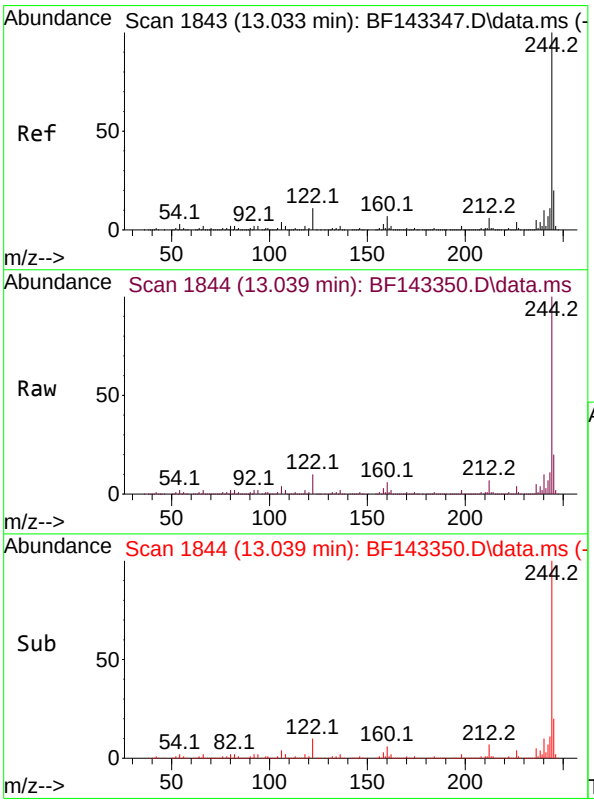
#78
Pyrene
Concen: 62.684 ng
RT: 12.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1513789

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.0	14.2	21.4

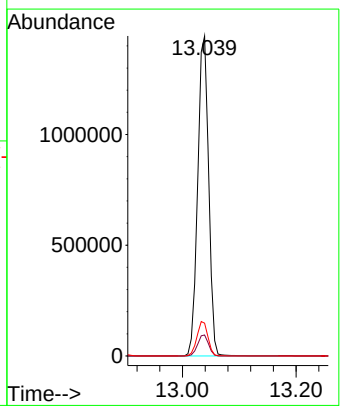


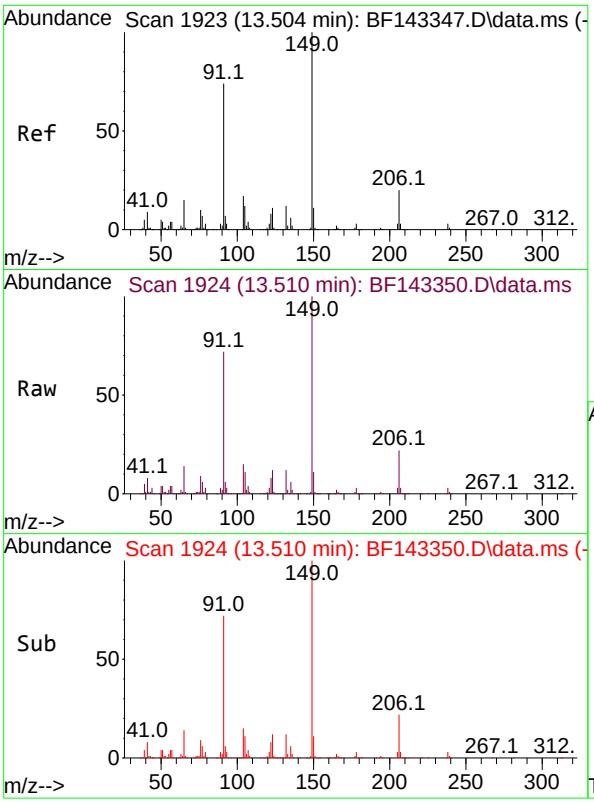


#79
Terphenyl-d14
Concen: 120.053 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:244 Resp: 1935761

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.1	7.7
122	10.2	8.9	13.3



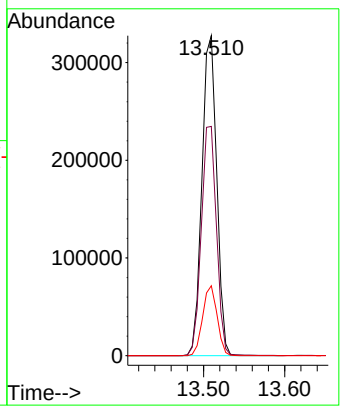


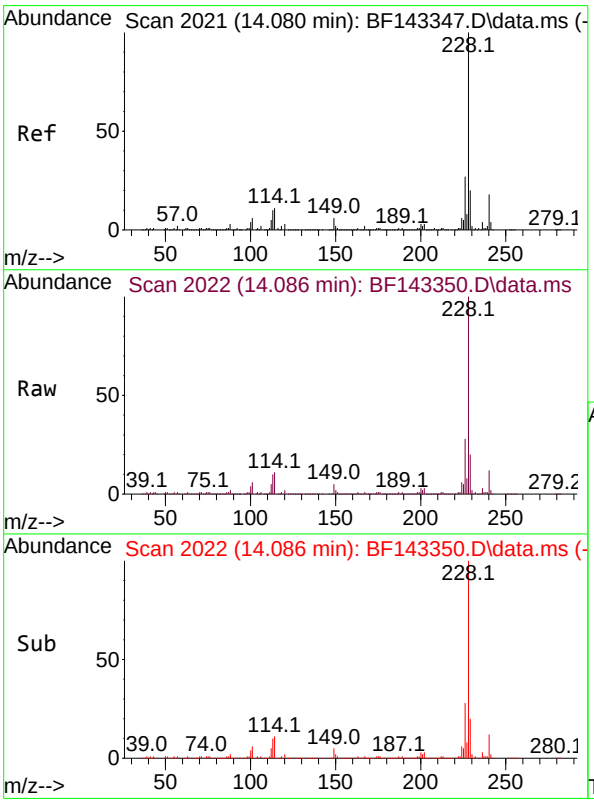
#80
Butylbenzylphthalate
Concen: 84.007 ng
RT: 13.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 413801

Ion	Ratio	Lower	Upper
149	100		
91	71.6	58.8	88.2
206	21.9	16.4	24.6

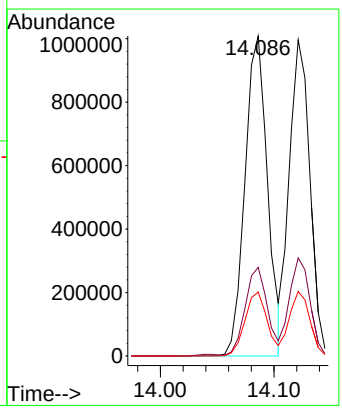


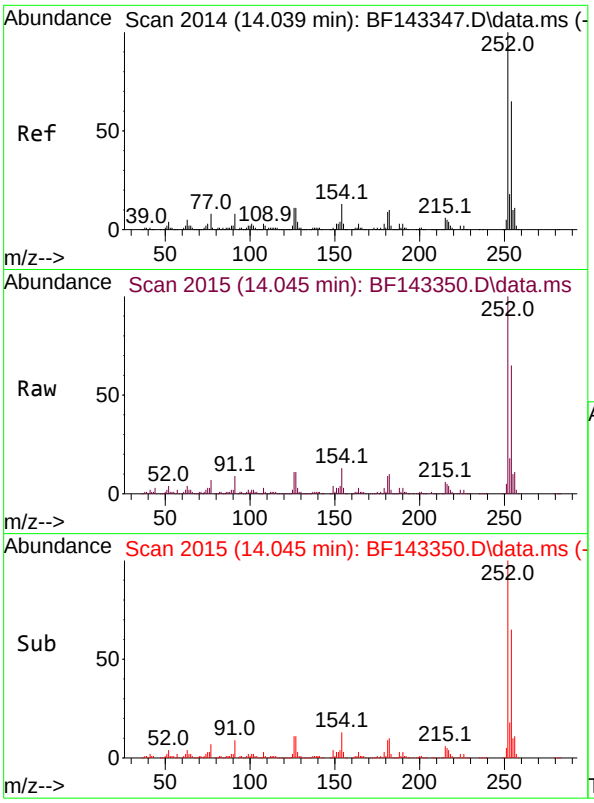


#81
Benzo(a)anthracene
Concen: 75.847 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:228 Resp: 1387766

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	19.9	15.8	23.8



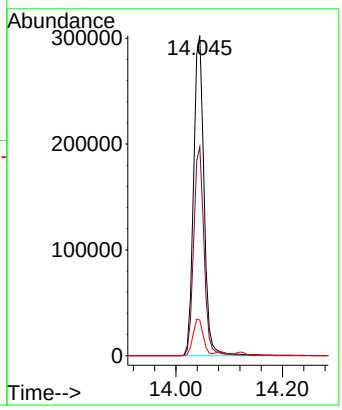


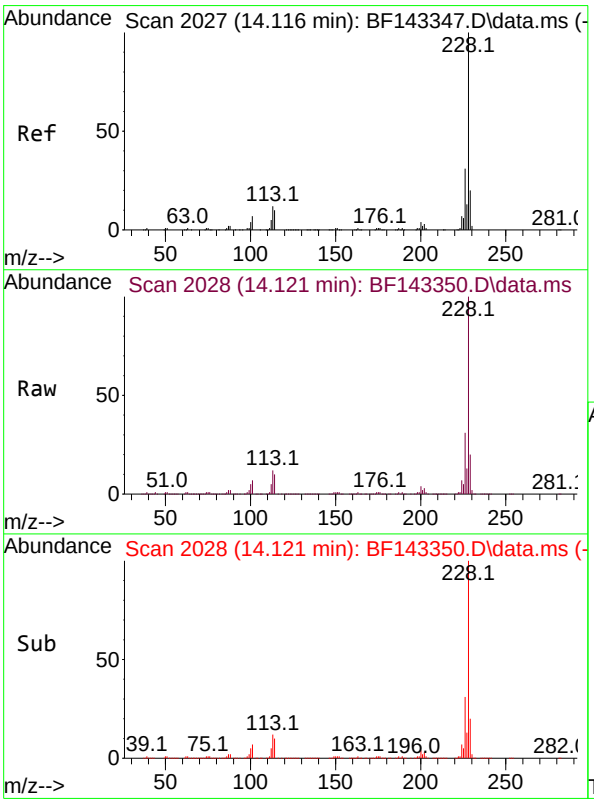
#82
3,3'-Dichlorobenzidine
Concen: 83.540 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 412736

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.7	77.5
126	11.1	9.2	13.8

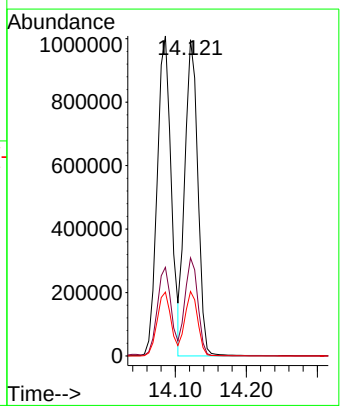


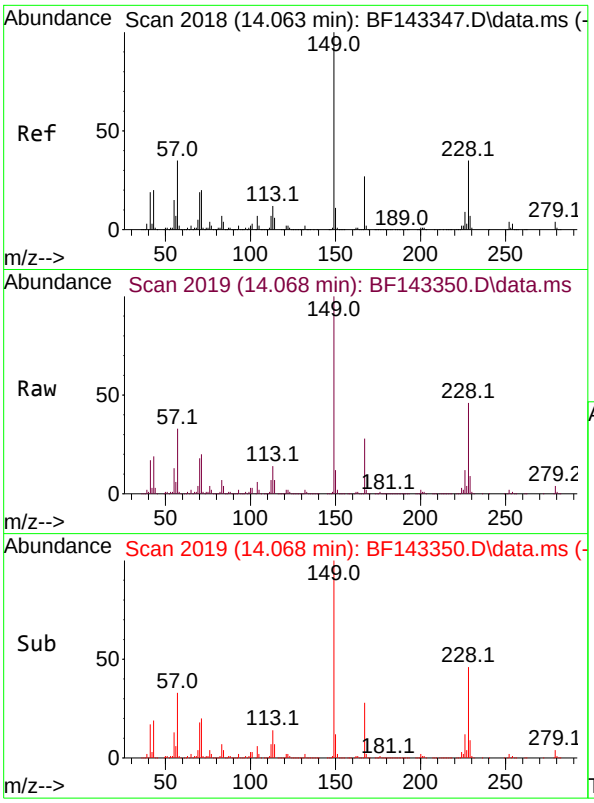


#83
Chrysene
Concen: 74.077 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:228 Resp: 1263816

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	20.4	15.8	23.6



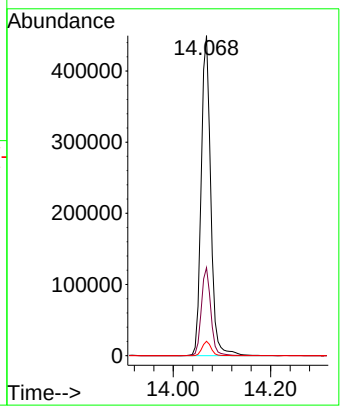


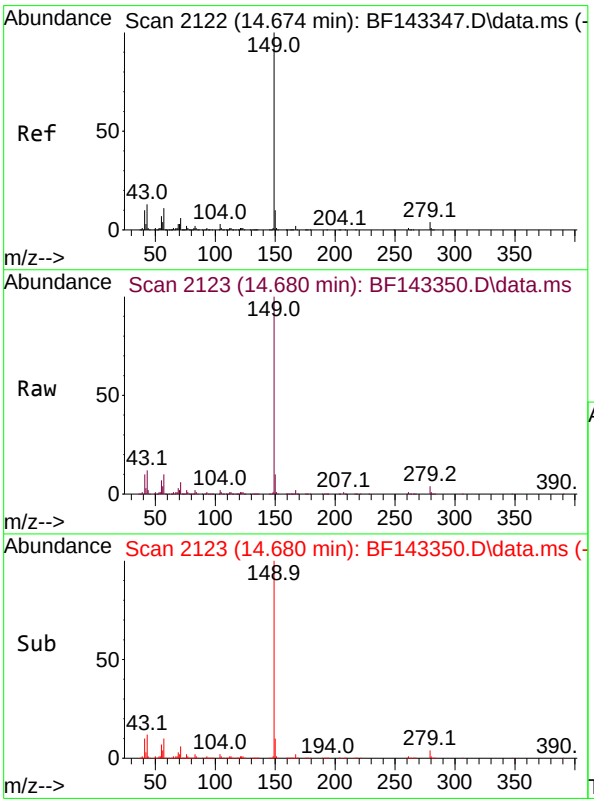
#84
Bis(2-ethylhexyl)phthalate
Concen: 83.803 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.005 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 611031

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	4.5	3.2	4.8

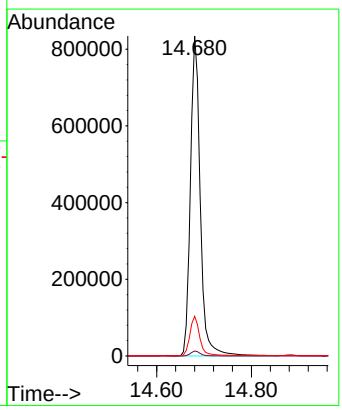


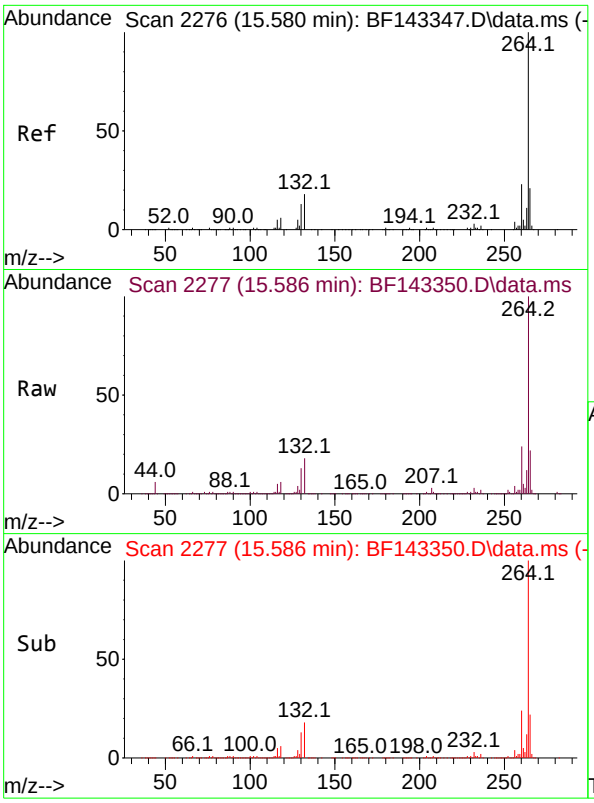


#85
Di-n-octyl phthalate
Concen: 81.478 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:149 Resp: 1205873

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.6	10.8	16.2



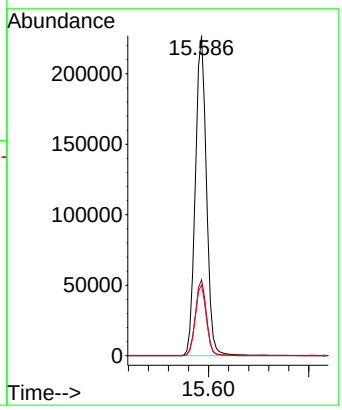


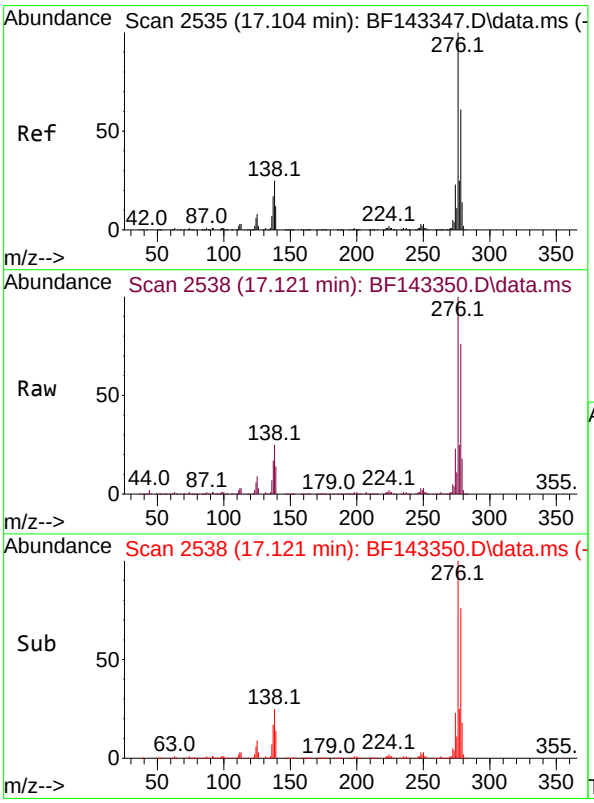
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 348017

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.0	17.2	25.8

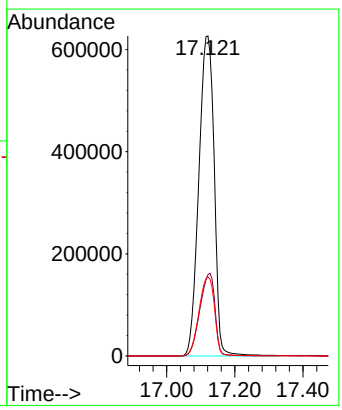


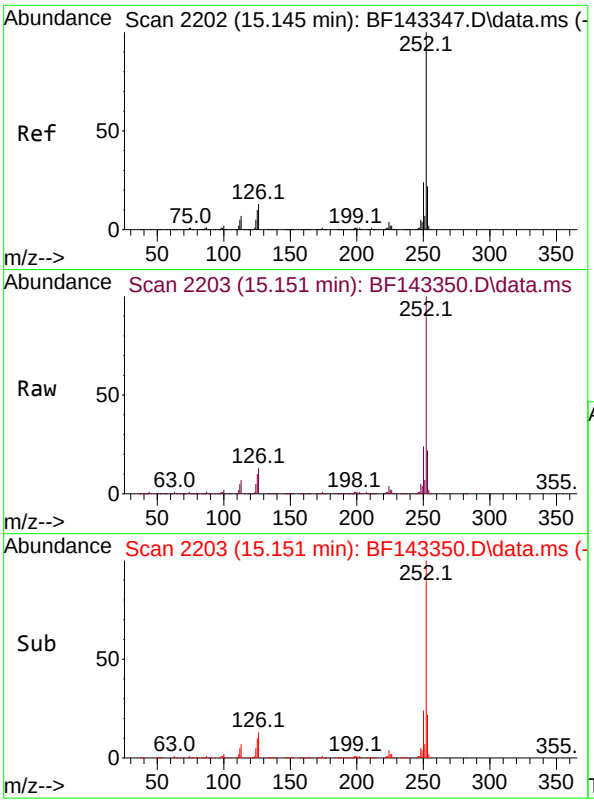


#87
Indeno(1,2,3-cd)pyrene
Concen: 78.760 ng
RT: 17.121 min Scan# 2538
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:276 Resp: 1963736

Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.1	31.7
277	24.9	20.2	30.2



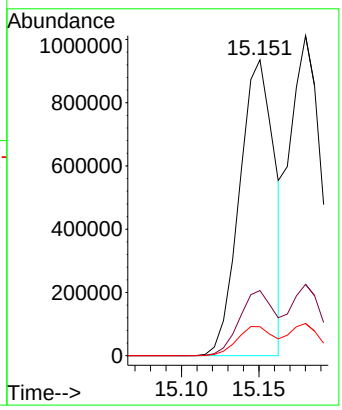


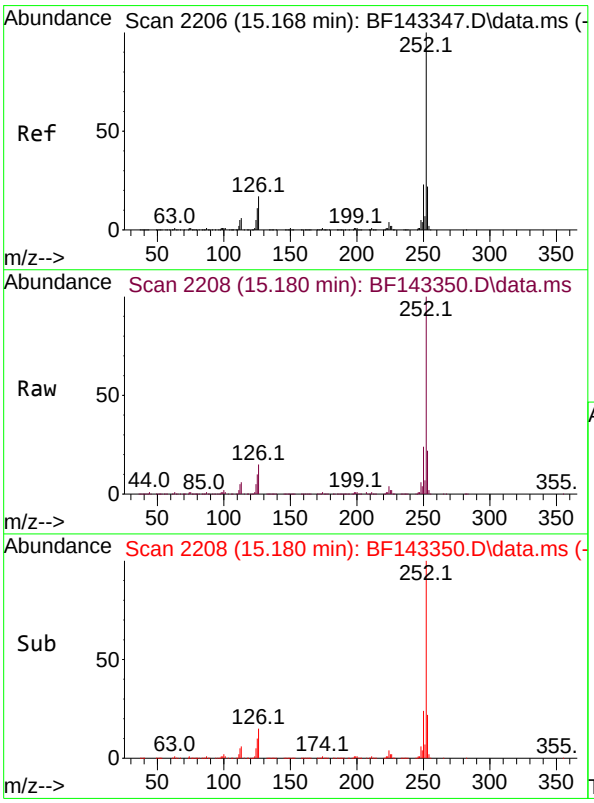
#88
Benzo(b)fluoranthene
Concen: 77.108 ng
RT: 15.151 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1467752

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	9.8	7.8	11.6

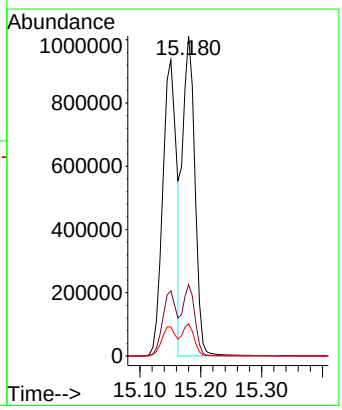


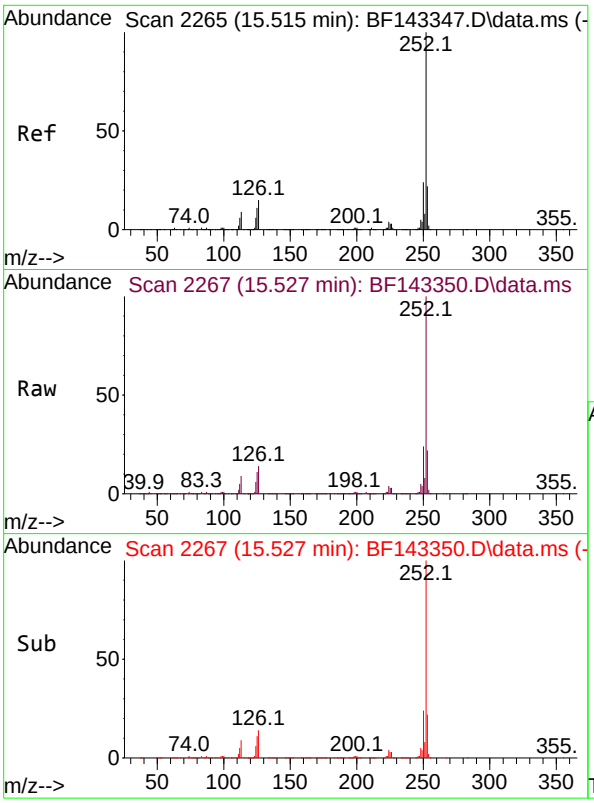


#89
Benzo(k)fluoranthene
Concen: 77.299 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:252 Resp: 1429731

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.0	8.4	12.6



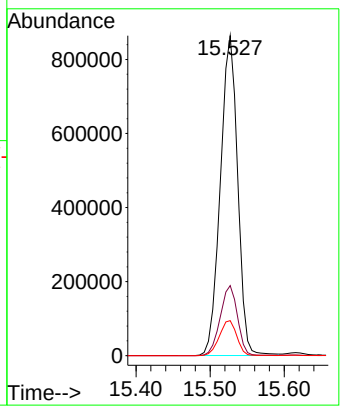


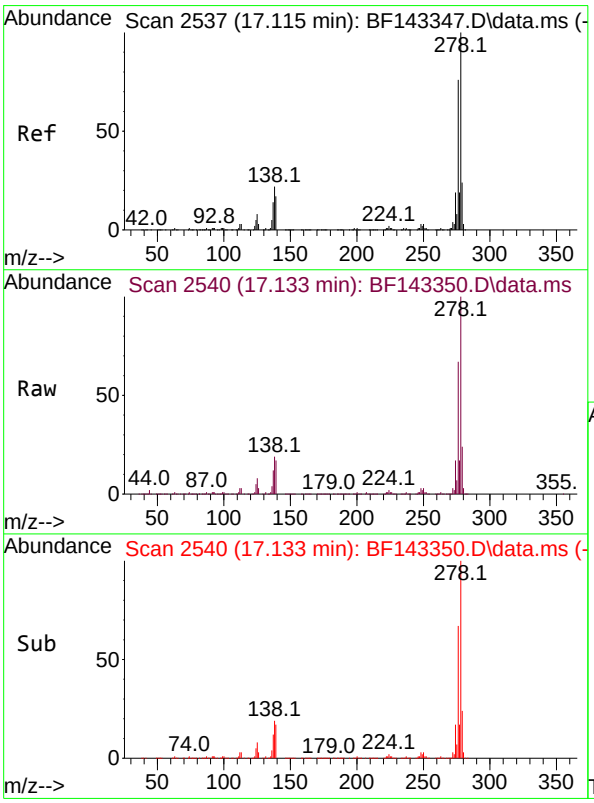
#90
Benzo(a)pyrene
Concen: 78.270 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1403212

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.0	9.1	13.7

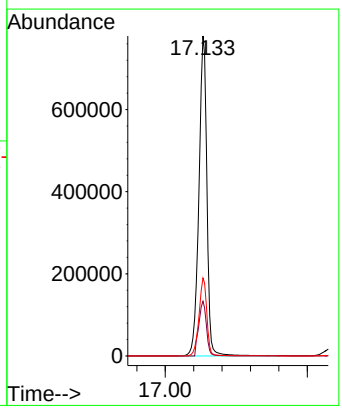


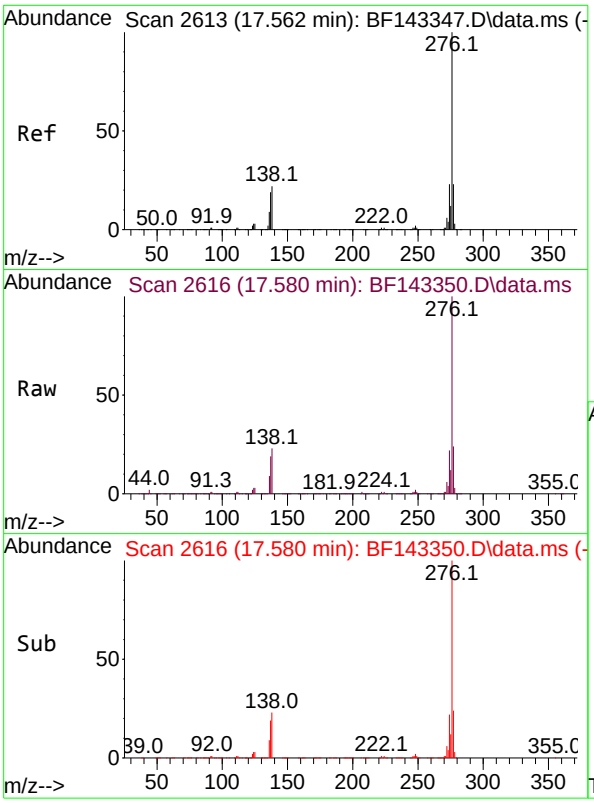


#91
Dibenzo(a,h)anthracene
Concen: 76.479 ng
RT: 17.133 min Scan# 2540
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Tgt Ion:278 Resp: 1523387

Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.0	21.0
279	24.3	19.4	29.0



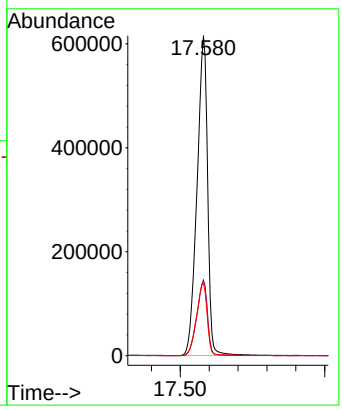


#92
Benzo(g,h,i)perylene
Concen: 77.932 ng
RT: 17.580 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF143350.D
Acq: 12 Aug 2025 12:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1563773

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	22.6	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	162839	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	633786	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	340813	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	507289	20.000	ng	0.00
76) Chrysene-d12	14.092	240	280276	20.000	ng	0.00
86) Perylene-d12	15.580	264	324835	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	726544	77.155	ng	0.00
7) Phenol-d6	6.557	99	917587	75.986	ng	0.00
23) Nitrobenzene-d5	7.487	82	846400	83.164	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	211383	84.868	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1489585	74.116	ng	0.00
79) Terphenyl-d14	13.033	244	1227991	78.222	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.758	88	181552	37.259	ng	100
3) Pyridine	3.534	79	503048	38.741	ng	98
4) n-Nitrosodimethylamine	3.469	42	250430	41.403	ng	99
6) Aniline	6.593	93	691138	40.597	ng	98
8) 2-Chlorophenol	6.716	128	412875	41.033	ng	99
9) Benzaldehyde	6.481	77	322014	40.346	ng	99
10) Phenol	6.575	94	575912	40.258	ng	100
11) bis(2-Chloroethyl)ether	6.663	93	411435	39.024	ng	99
12) 1,3-Dichlorobenzene	6.875	146	462064	39.813	ng	99
13) 1,4-Dichlorobenzene	6.946	146	467795	40.160	ng	99
14) 1,2-Dichlorobenzene	7.098	146	446591	40.389	ng	99
15) Benzyl Alcohol	7.069	79	366386	42.327	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	748899	39.787	ng	96
17) 2-Methylphenol	7.181	107	347573	40.922	ng	99
18) Hexachloroethane	7.445	117	154629	42.342	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	298013	39.940	ng	99
20) 3+4-Methylphenols	7.334	107	422225	41.105	ng	97
22) Acetophenone	7.334	105	558359	39.985	ng	98
24) Nitrobenzene	7.510	77	452284	40.919	ng	99
25) Isophorone	7.745	82	825406	39.728	ng	98
26) 2-Nitrophenol	7.828	139	190171	43.318	ng	99
27) 2,4-Dimethylphenol	7.863	122	384805	44.394	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	503776	39.714	ng	100
29) 2,4-Dichlorophenol	8.069	162	349559	41.289	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	366302	41.017	ng	100
31) Naphthalene	8.234	128	1170219	38.372	ng	100
32) Benzoic acid	7.969	122	157226	43.285	ng	99
33) 4-Chloroaniline	8.275	127	490782	44.618	ng	98
34) Hexachlorobutadiene	8.351	225	218687	39.366	ng	99
35) Caprolactam	8.640	113	99702	41.892	ng	95
36) 4-Chloro-3-methylphenol	8.757	107	361383	40.717	ng	99
37) 2-Methylnaphthalene	8.922	142	707136	35.270	ng	100
38) 1-Methylnaphthalene	9.022	142	733181	37.970	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	365752	39.218	ng	100
41) Hexachlorocyclopentadiene	9.081	237	161472	51.644	ng	100
43) 2,4,6-Trichlorophenol	9.204	196	226704	42.843	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	246815	41.305	ng	99
46) 1,1'-Biphenyl	9.387	154	935277	38.812	ng	100
47) 2-Chloronaphthalene	9.410	162	722952	38.093	ng	99
48) 2-Nitroaniline	9.504	65	228854	42.167	ng	100
49) Acenaphthylene	9.828	152	1164992	42.507	ng	100
50) Dimethylphthalate	9.681	163	799080	40.126	ng	99
51) 2,6-Dinitrotoluene	9.745	165	168880	45.012	ng	94
52) Acenaphthene	10.004	154	690443	37.893	ng	99
53) 3-Nitroaniline	9.916	138	194097	47.593	ng	97
54) 2,4-Dinitrophenol	10.022	184	56042	45.910	ng	98
55) Dibenzofuran	10.175	168	1013581	38.652	ng	99
56) 4-Nitrophenol	10.075	139	124501	41.060	ng	97
57) 2,4-Dinitrotoluene	10.145	165	215795	43.458	ng	98
58) Fluorene	10.516	166	761581	38.022	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	201768	50.091	ng	98
60) Diethylphthalate	10.381	149	719164	40.317	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	368971	38.123	ng	99
62) 4-Nitroaniline	10.522	138	174863	44.317	ng	99
63) Azobenzene	10.663	77	809295	39.721	ng	99
65) 4,6-Dinitro-2-methylph...	10.557	198	87717	43.535	ng	97
66) n-Nitrosodiphenylamine	10.622	169	659263	39.468	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	228971	39.466	ng	99
68) Hexachlorobenzene	11.069	284	240521	38.460	ng	99
69) Atrazine	11.145	200	178347	40.936	ng	99
70) Pentachlorophenol	11.263	266	108593	38.771	ng	96
71) Phenanthrene	11.475	178	1060892	38.330	ng	100
72) Anthracene	11.528	178	1090047	38.834	ng	99
73) Carbazole	11.681	167	929366	38.877	ng	99
74) Di-n-butylphthalate	12.010	149	871054	43.060	ng	100
75) Fluoranthene	12.663	202	910203	37.543	ng	99
77) Benzidine	12.780	184	336170	43.872	ng	99
78) Pyrene	12.892	202	924712	39.329	ng	100
80) Butylbenzylphthalate	13.504	149	188120	41.012	ng	99
81) Benzo(a)anthracene	14.080	228	693960	38.956	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	222482	46.252	ng	99
83) Chrysene	14.116	228	639568	38.503	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	285665	42.315	ng	100
85) Di-n-octyl phthalate	14.674	149	563193	42.219	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	934056	40.136	ng	100
88) Benzo(b)fluoranthene	15.139	252	725882	40.856	ng	99
89) Benzo(k)fluoranthene	15.169	252	639883	37.064	ng	100
90) Benzo(a)pyrene	15.516	252	686526	41.027	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	757376	40.736	ng	99
92) Benzo(g,h,i)perylene	17.557	276	767923	41.001	ng	99

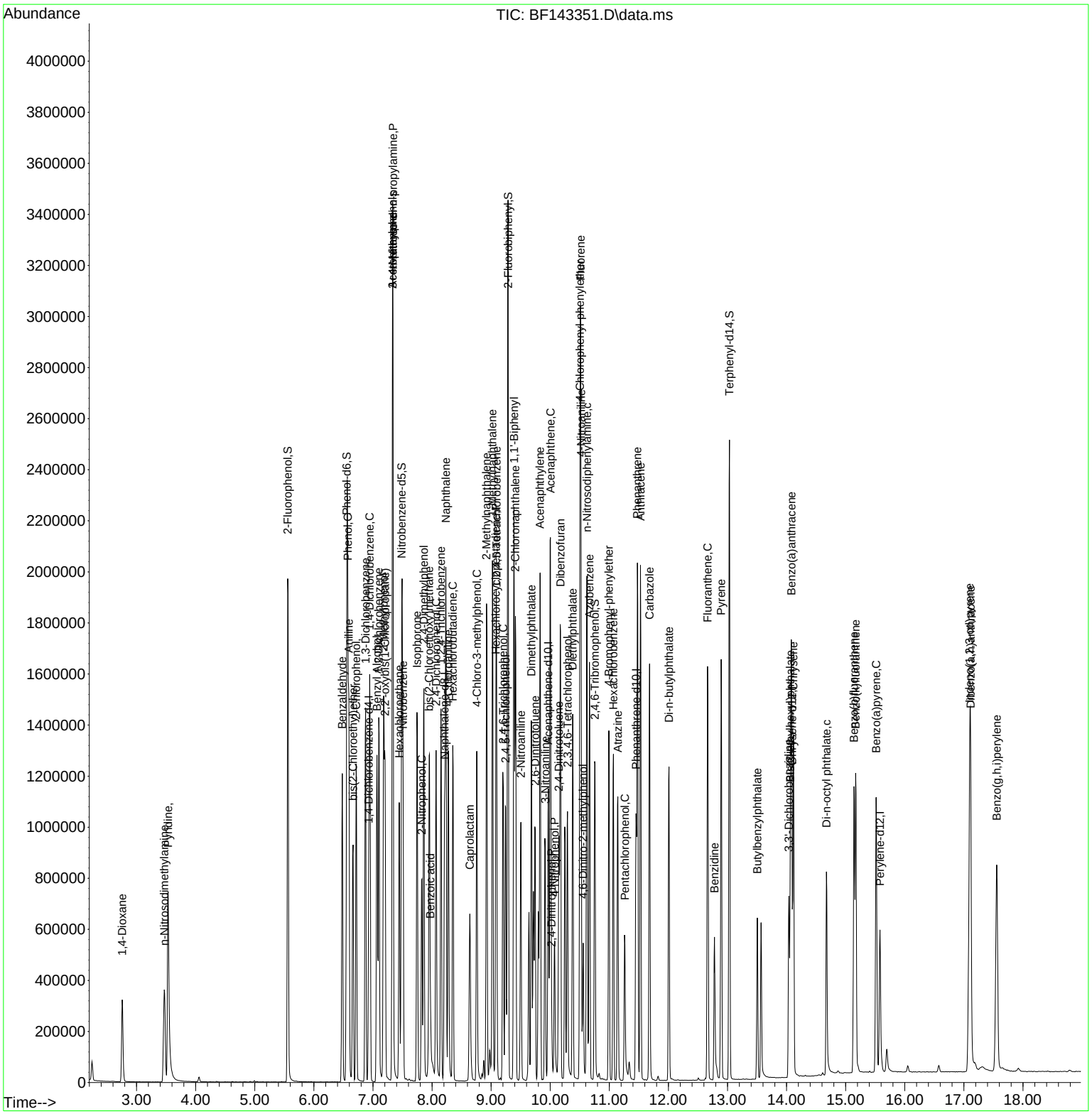
(#) = qualifier out of range (m) = manual integration (+) = signals summed

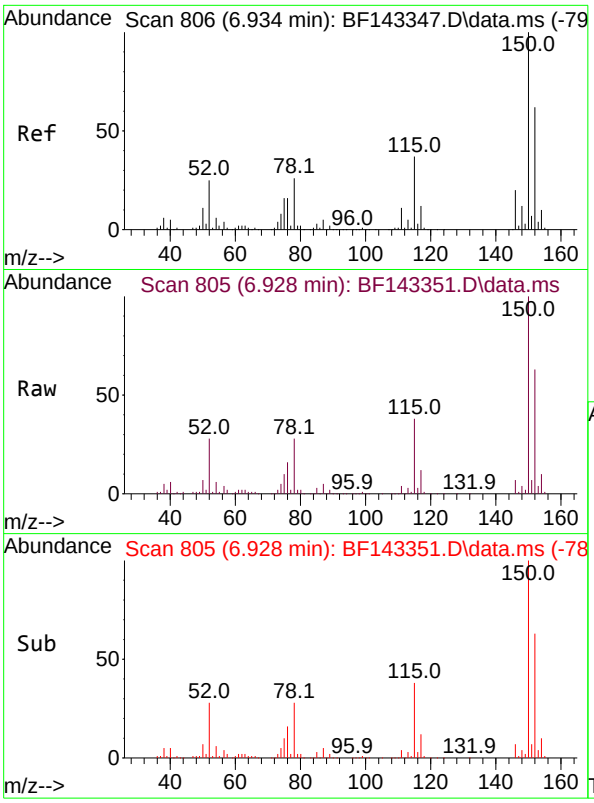
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



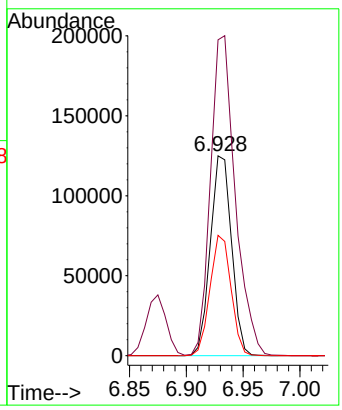


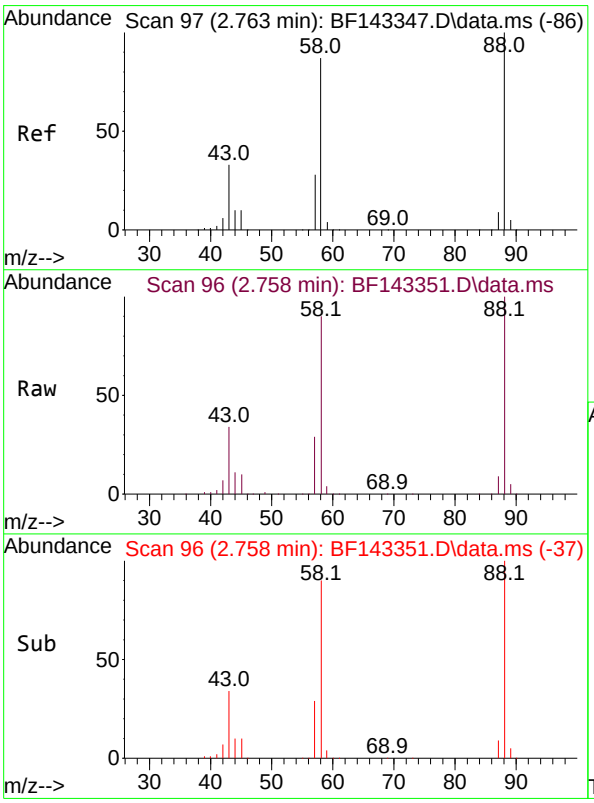
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:152 Resp: 162839

Ion	Ratio	Lower	Upper
152	100		
150	158.0	129.8	194.8
115	60.2	47.8	71.8

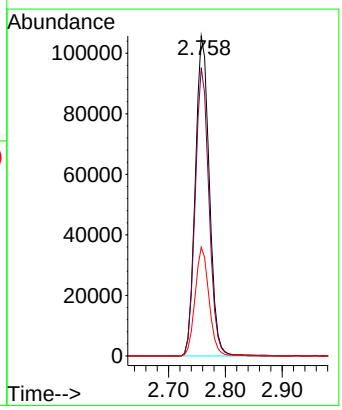


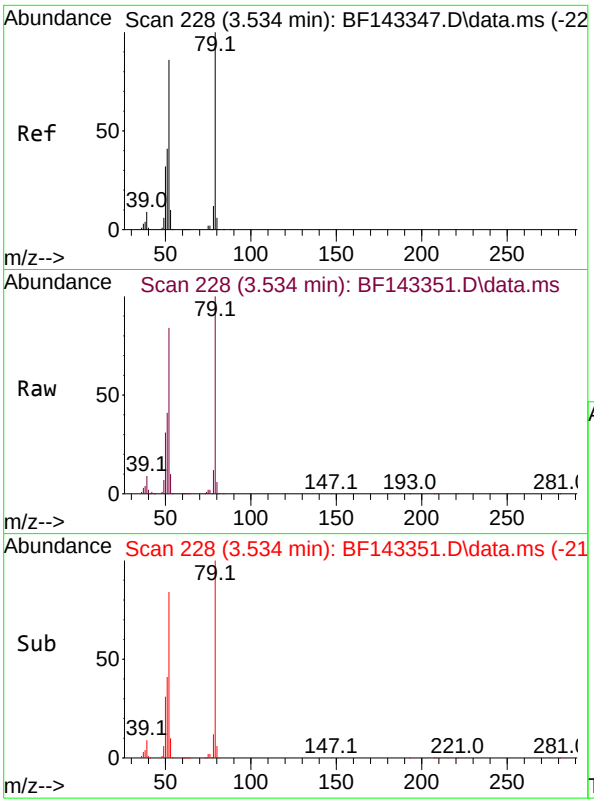


#2
1,4-Dioxane
Concen: 37.259 ng
RT: 2.758 min Scan# 96
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 88 Resp: 181552

Ion	Ratio	Lower	Upper
88	100		
58	88.6	71.0	106.6
43	33.7	27.0	40.6



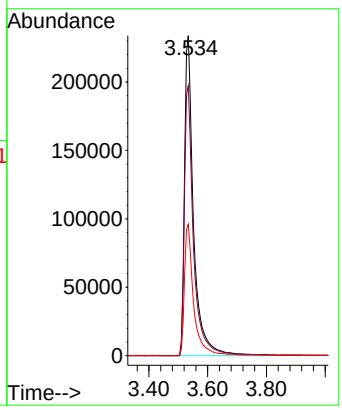


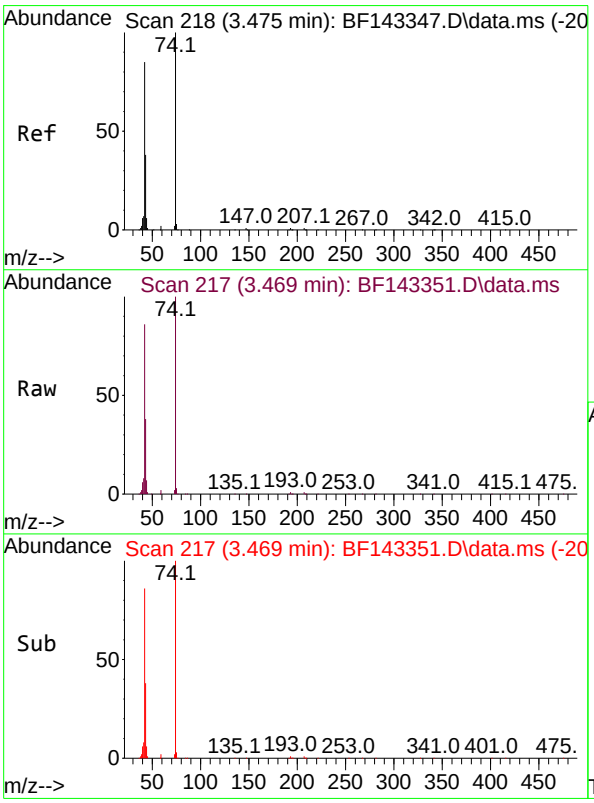
#3
Pyridine
Concen: 38.741 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 79 Resp: 503048

Ion	Ratio	Lower	Upper
79	100		
52	84.3	68.7	103.1
51	41.1	33.4	50.0

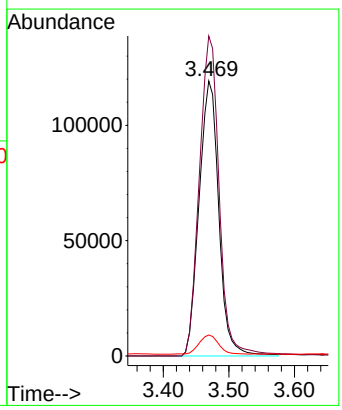


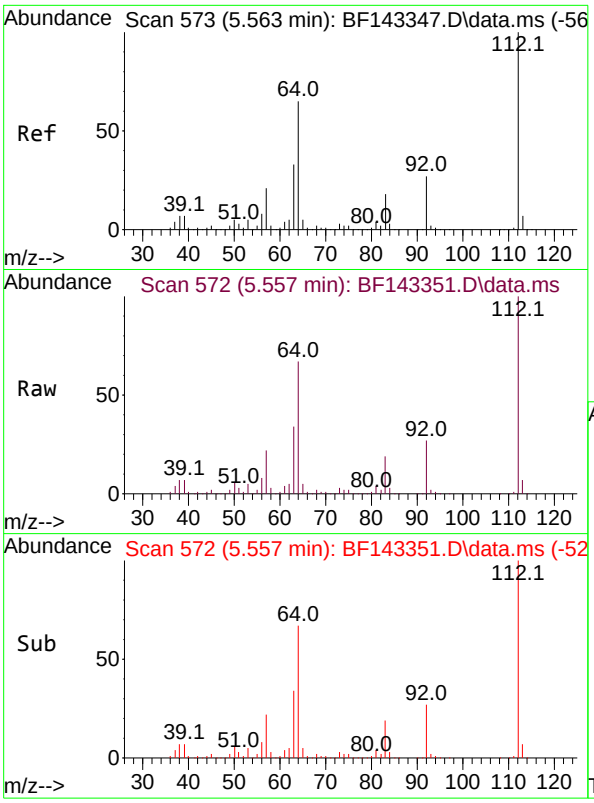


#4
n-Nitrosodimethylamine
Concen: 41.403 ng
RT: 3.469 min Scan# 217
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 42 Resp: 250430

Ion	Ratio	Lower	Upper
42	100		
74	116.3	94.1	141.1
44	7.6	6.5	9.7



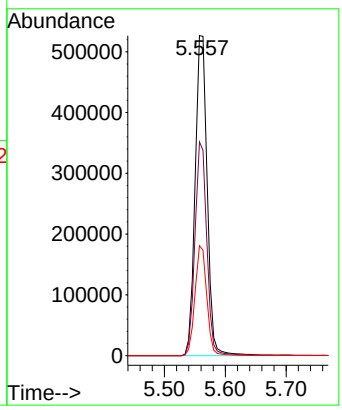


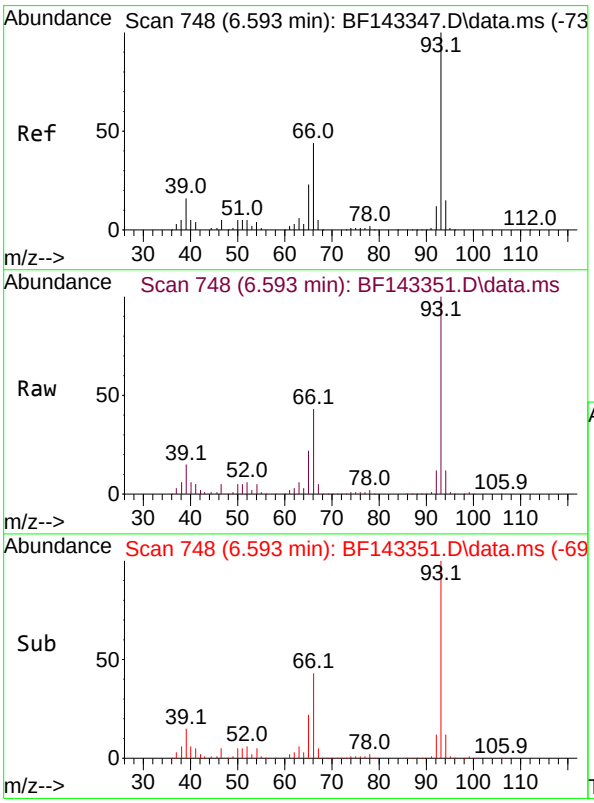
#5
2-Fluorophenol
Concen: 77.155 ng
RT: 5.557 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:112 Resp: 726544

Ion	Ratio	Lower	Upper
112	100		
64	66.8	52.1	78.1
63	34.4	26.6	39.8

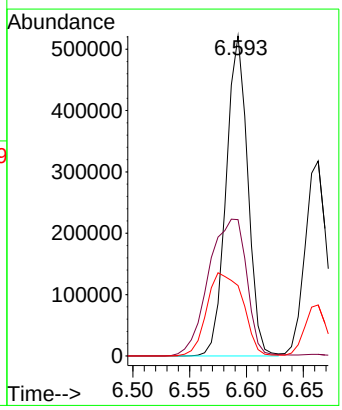


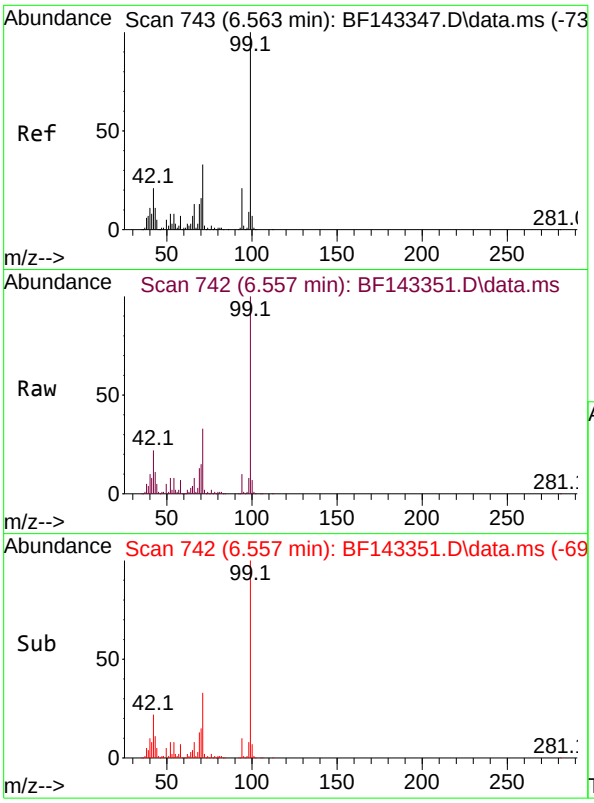


#6
Aniline
Concen: 40.597 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 93 Resp: 691138

Ion	Ratio	Lower	Upper
93	100		
66	42.6	35.3	52.9
65	22.0	18.2	27.4



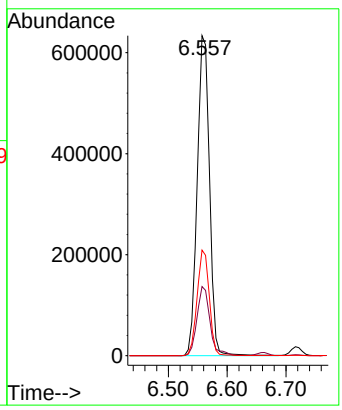


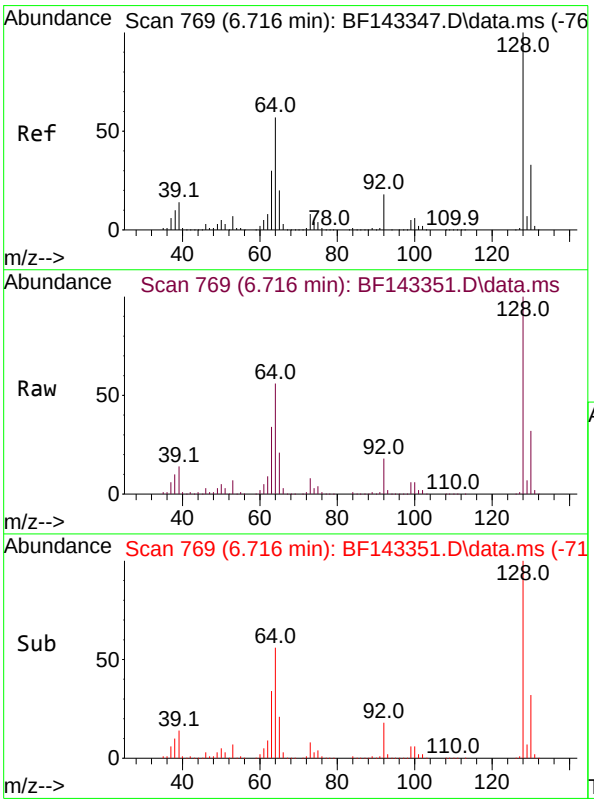
#7
Phenol-d6
Concen: 75.986 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 99 Resp: 917587

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	25.0
71	33.0	26.2	39.2

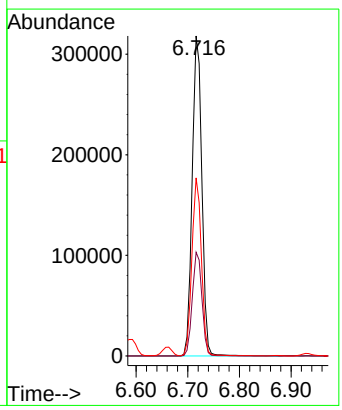


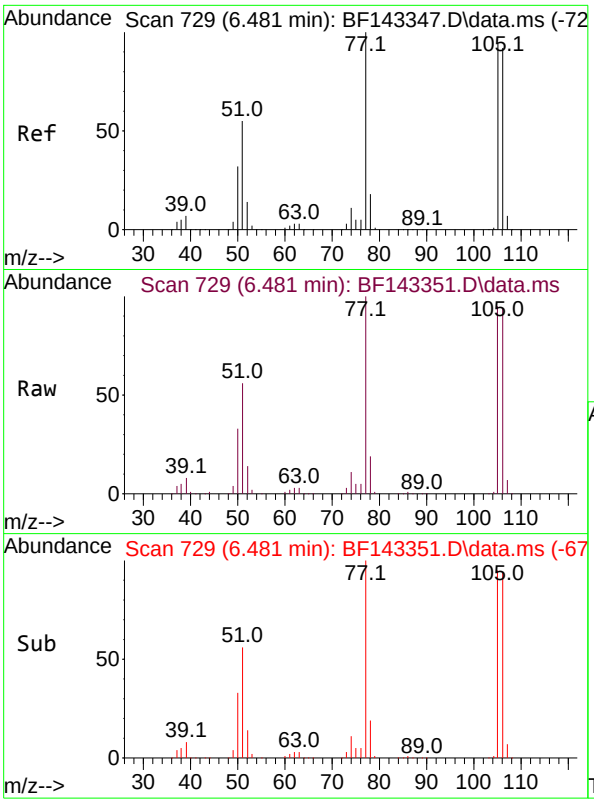


#8
2-Chlorophenol
Concen: 41.033 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:128 Resp: 412875

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	55.6	36.7	76.7



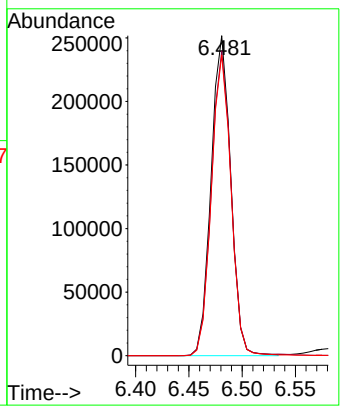


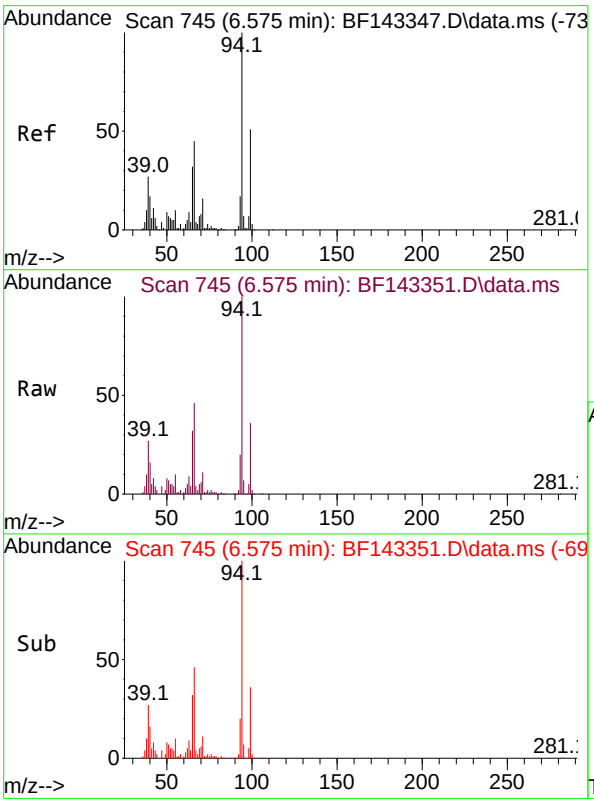
#9
Benzaldehyde
Concen: 40.346 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 77 Resp: 322014

Ion	Ratio	Lower	Upper
77	100		
105	95.2	74.2	114.2
106	94.0	72.2	112.2

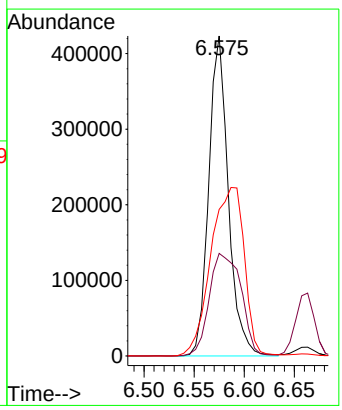


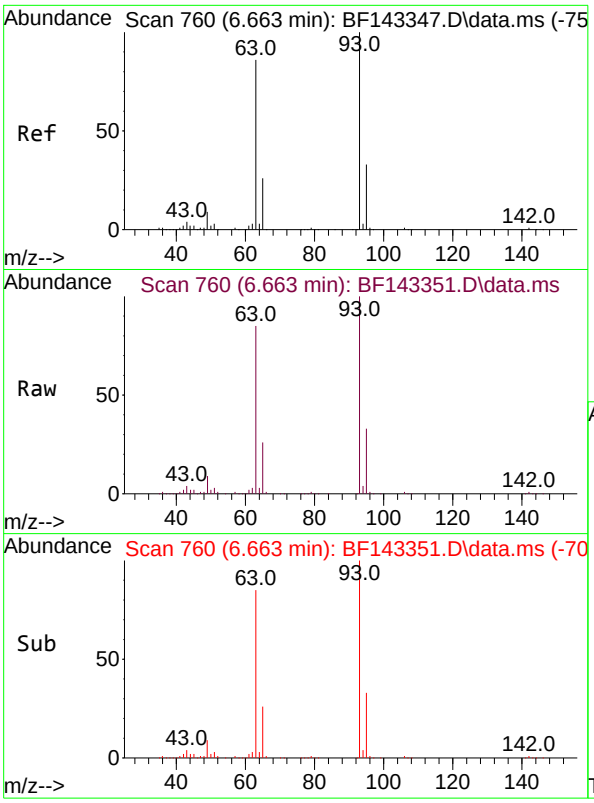


#10
Phenol
Concen: 40.258 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 94 Resp: 575912

Ion	Ratio	Lower	Upper
94	100		
65	32.1	12.0	52.0
66	45.8	25.6	65.6



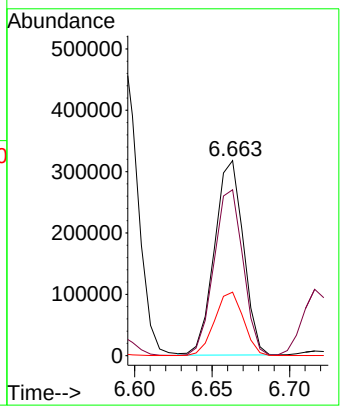


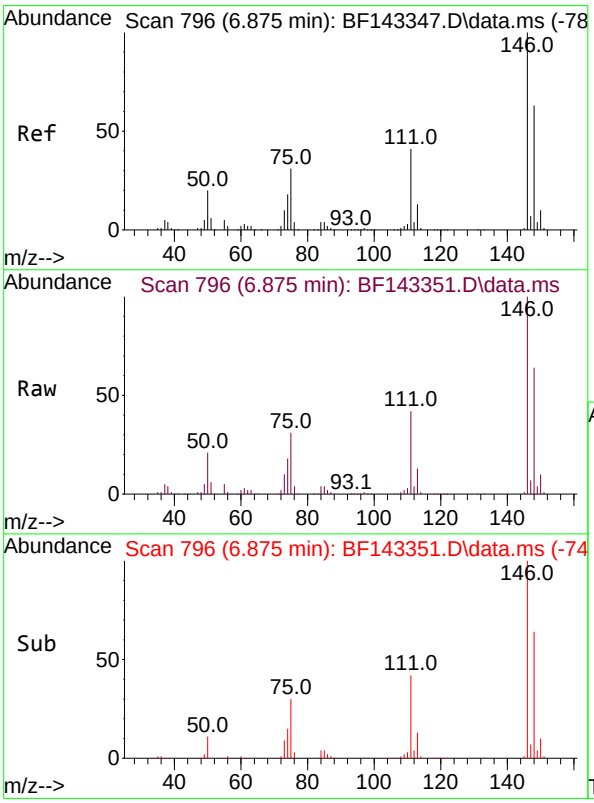
#11
bis(2-Chloroethyl)ether
Concen: 39.024 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 93 Resp: 411435

Ion	Ratio	Lower	Upper
93	100		
63	85.1	65.7	105.7
95	32.6	13.0	53.0

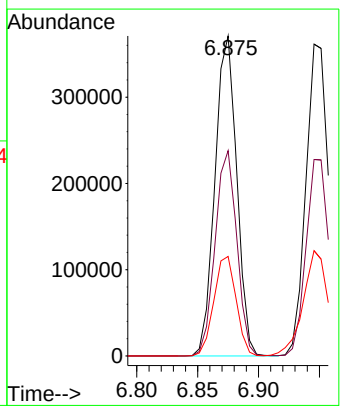


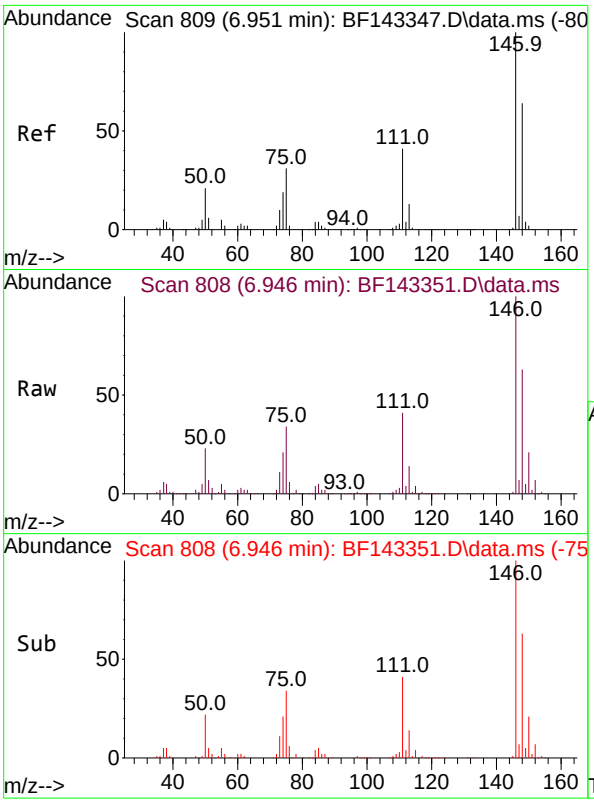


#12
1,3-Dichlorobenzene
Concen: 39.813 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:146 Resp: 462064

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.5	75.7
75	31.1	24.9	37.3



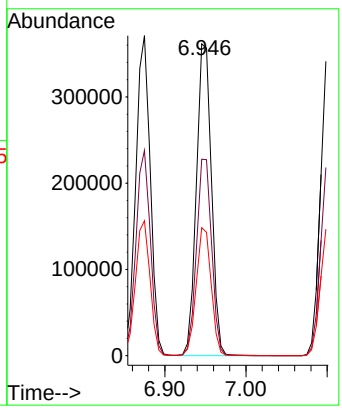


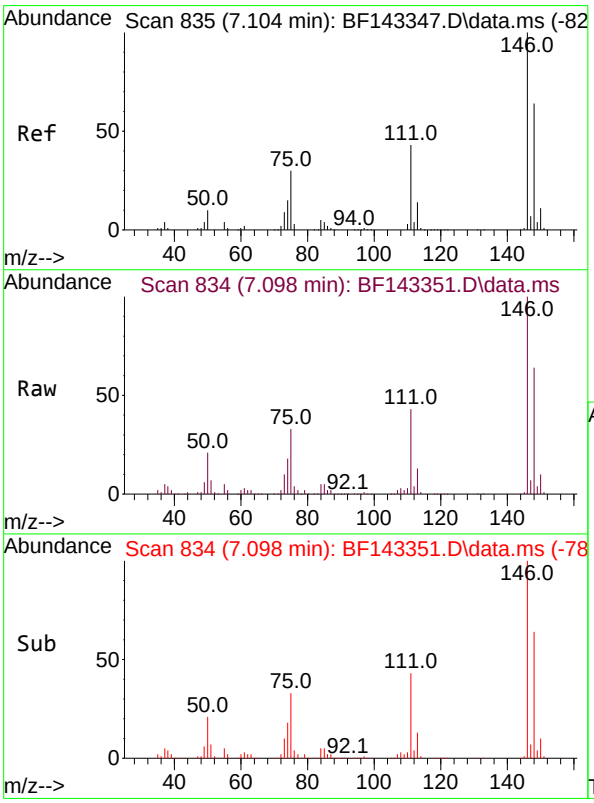
#13
1,4-Dichlorobenzene
Concen: 40.160 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:146 Resp: 467795

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.0
111	41.0	32.6	48.8

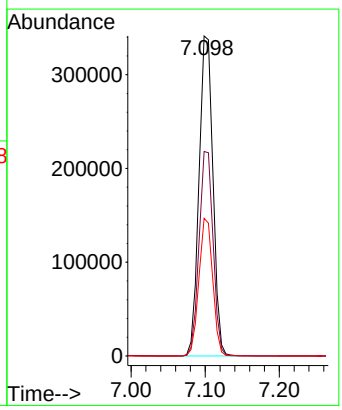


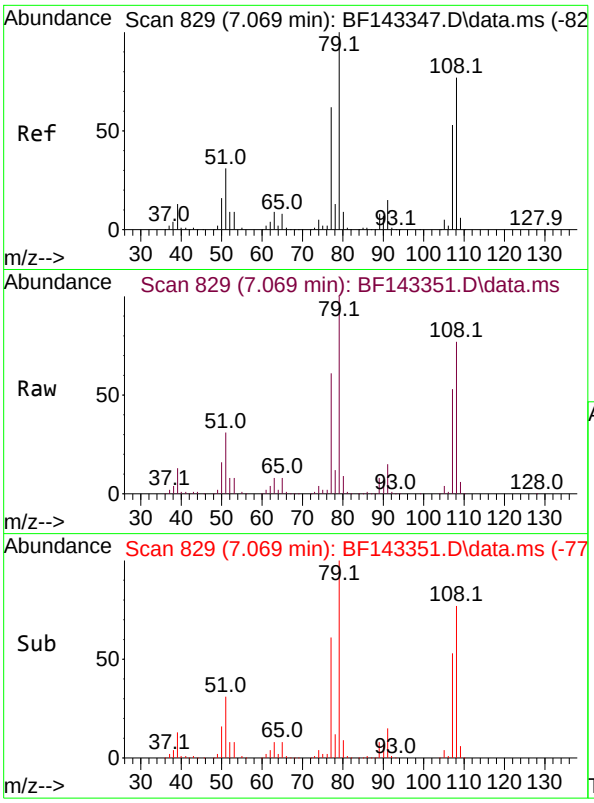


#14
1,2-Dichlorobenzene
Concen: 40.389 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:146 Resp: 446591

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	43.0	34.1	51.1



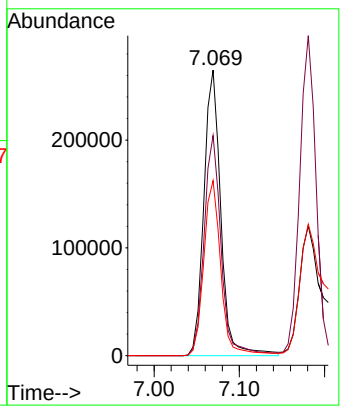


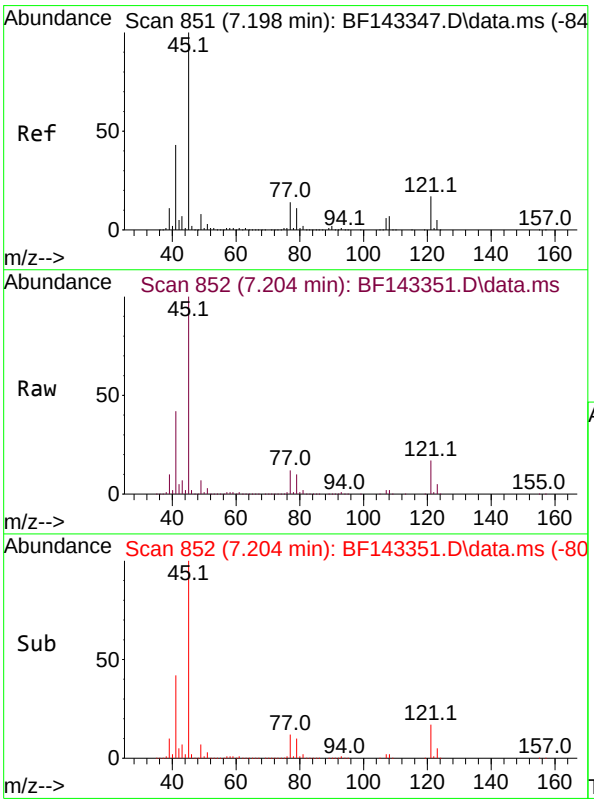
#15
Benzyl Alcohol
Concen: 42.327 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 79 Resp: 366386

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.5	92.3
77	61.3	49.8	74.8

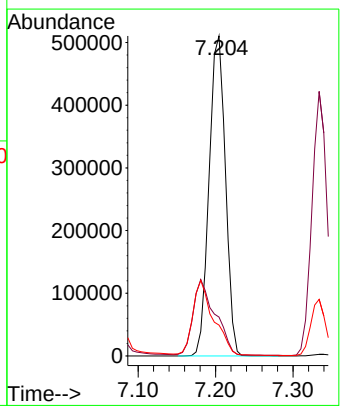


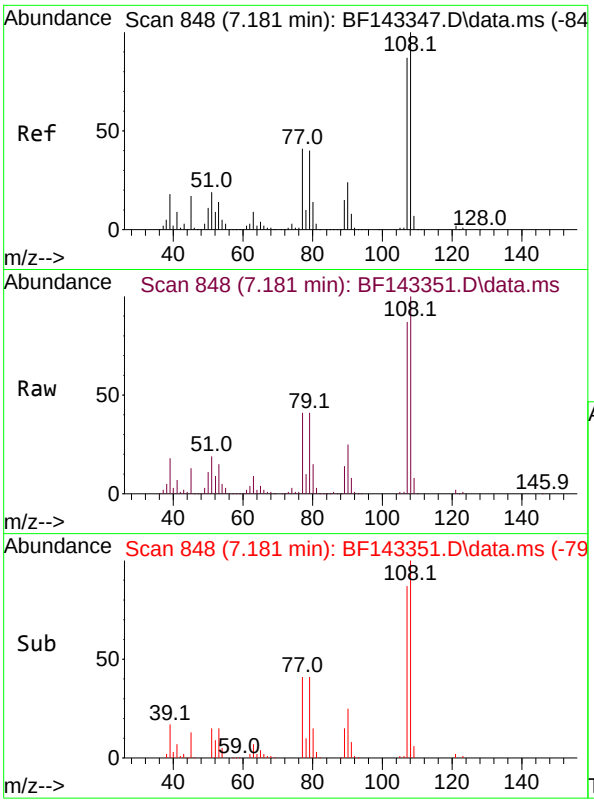


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.787 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 45 Resp: 748899

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	34.0
79	9.7	0.0	31.1



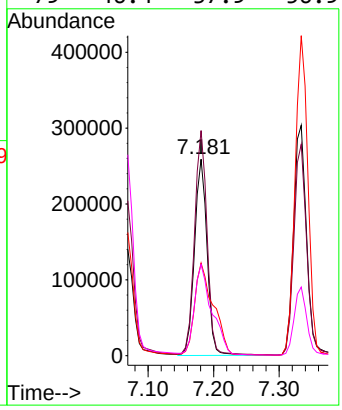


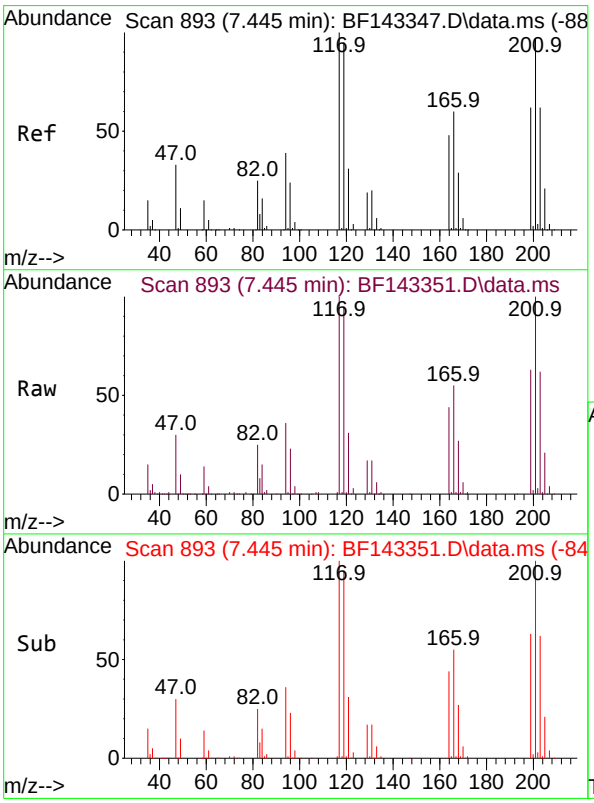
#17
2-Methylphenol
Concen: 40.922 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:107 Resp: 347573

Ion	Ratio	Lower	Upper
107	100		
108	114.6	92.0	138.0
77	47.1	38.2	57.2
79	46.4	37.9	56.9

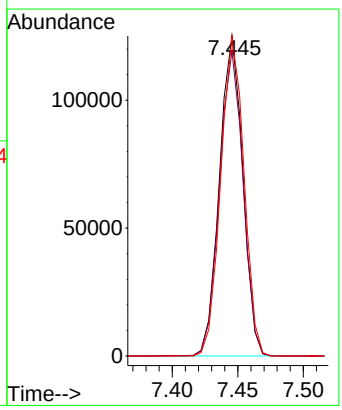


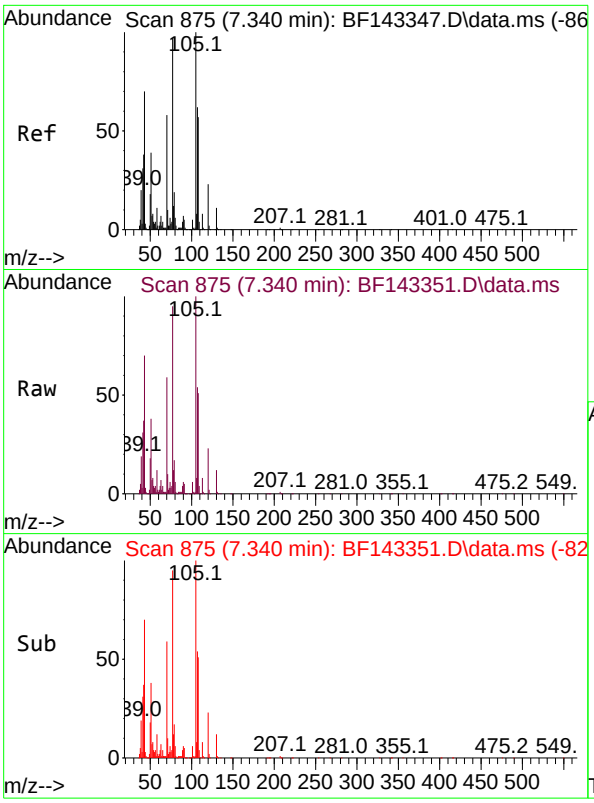


#18
Hexachloroethane
Concen: 42.342 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:117 Resp: 154629

Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.8	113.8
201	99.7	77.2	115.8



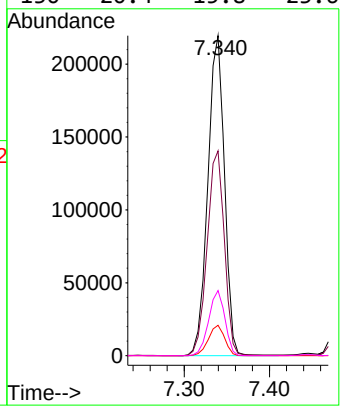


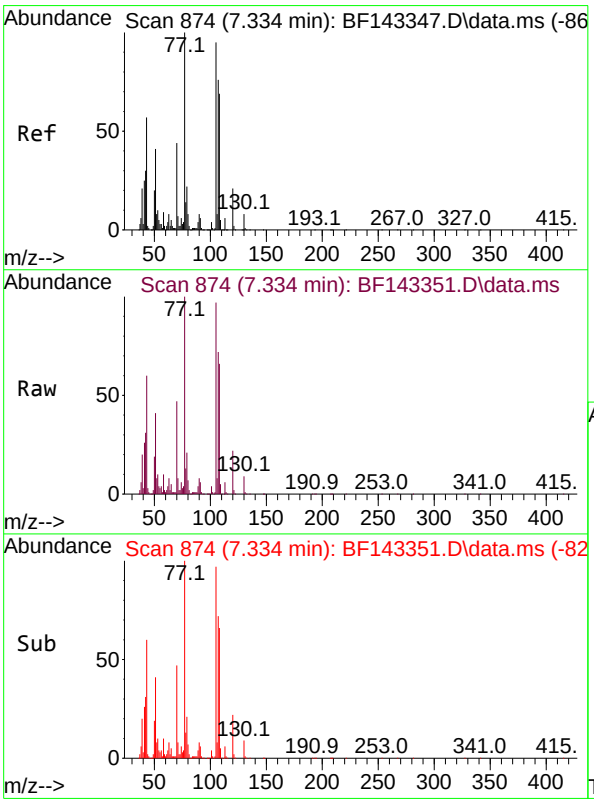
#19
n-Nitroso-di-n-propylamine
Concen: 39.940 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 70 Resp: 298013

Ion	Ratio	Lower	Upper
70	100		
42	64.0	51.6	77.4
101	9.5	7.5	11.3
130	20.4	15.8	23.6

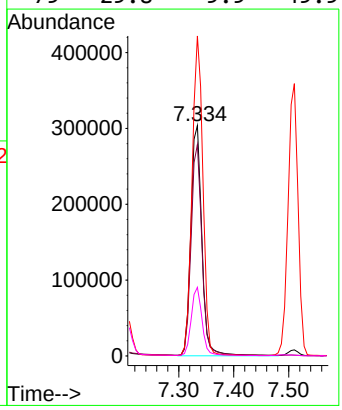


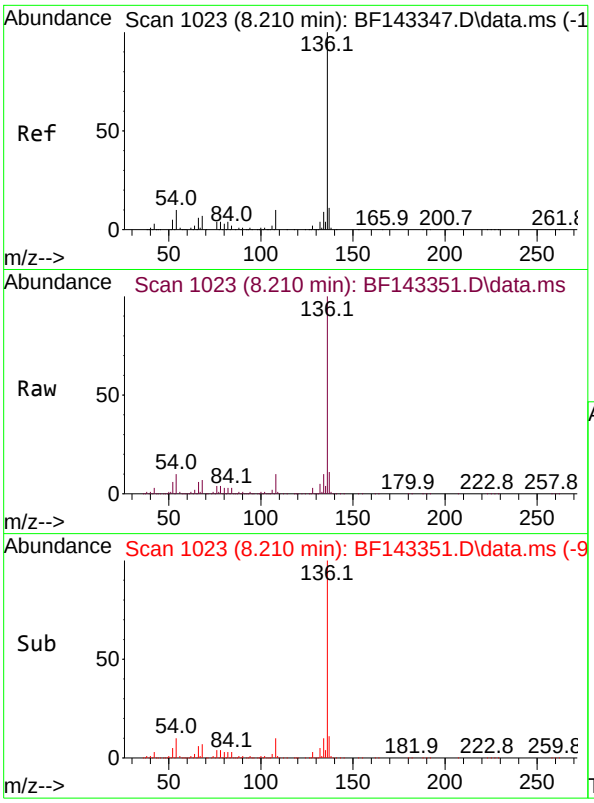


#20
3+4-Methylphenols
Concen: 41.105 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:107 Resp: 422225

Ion	Ratio	Lower	Upper
107	100		
108	91.7	70.6	110.6
77	138.9	112.0	152.0
79	29.8	9.9	49.9



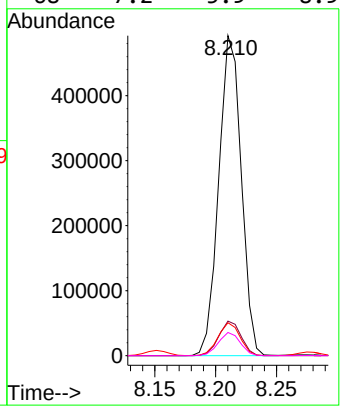


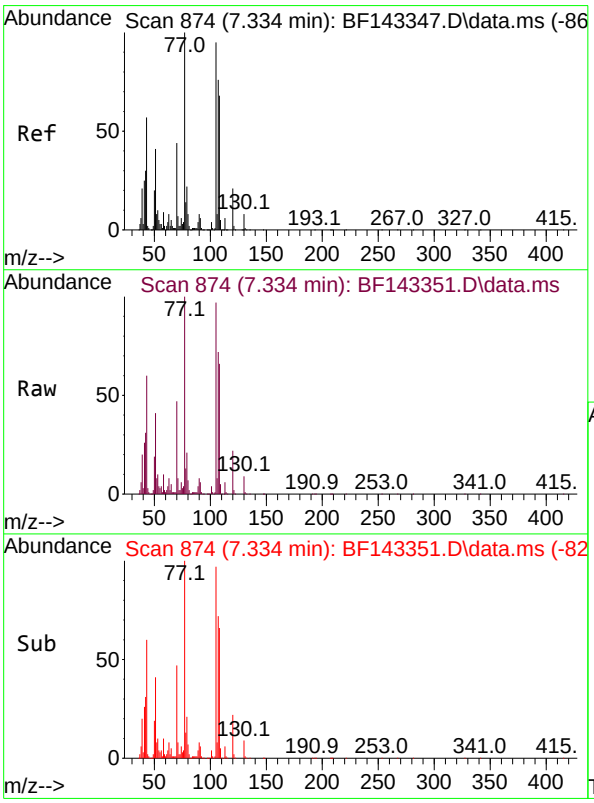
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:136 Resp: 633786

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.3	8.4	12.6
68	7.2	5.9	8.9

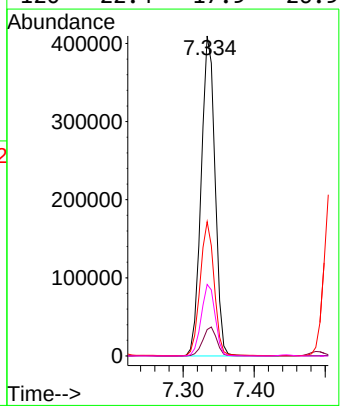


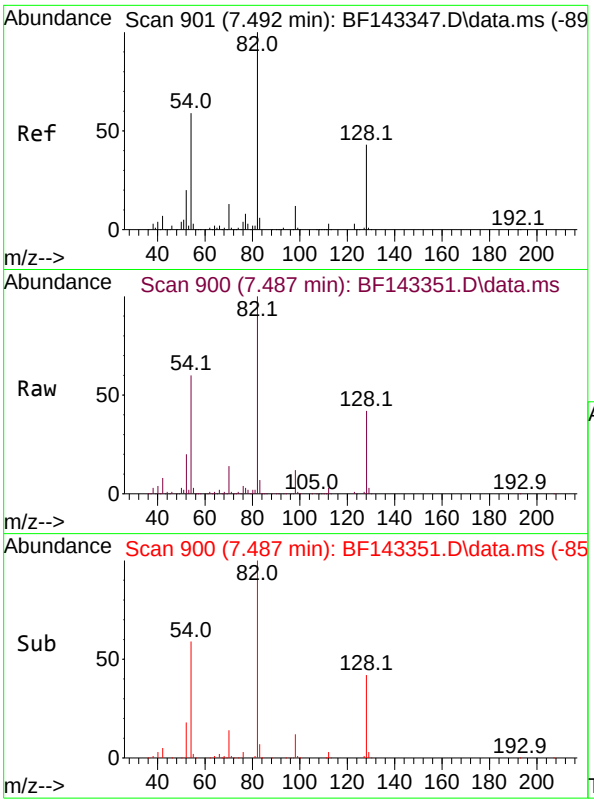


#22
Acetophenone
Concen: 39.985 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:105 Resp: 558359

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.2	9.4
51	41.9	34.8	52.2
120	22.4	17.9	26.9



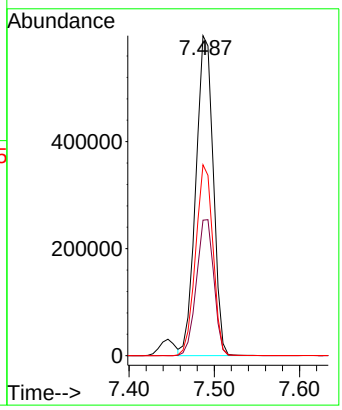


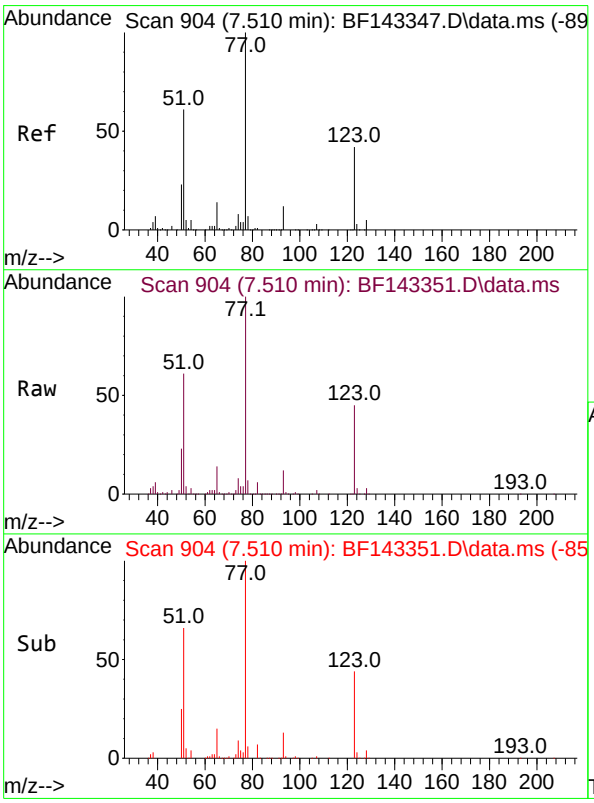
#23
Nitrobenzene-d5
Concen: 83.164 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 82 Resp: 846400

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.5	50.3
54	59.7	46.7	70.1

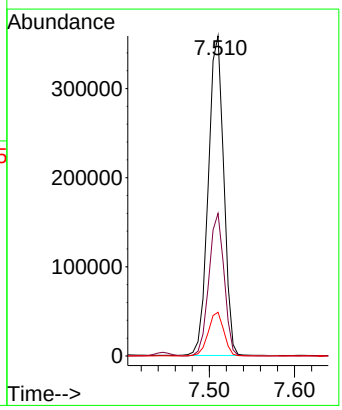


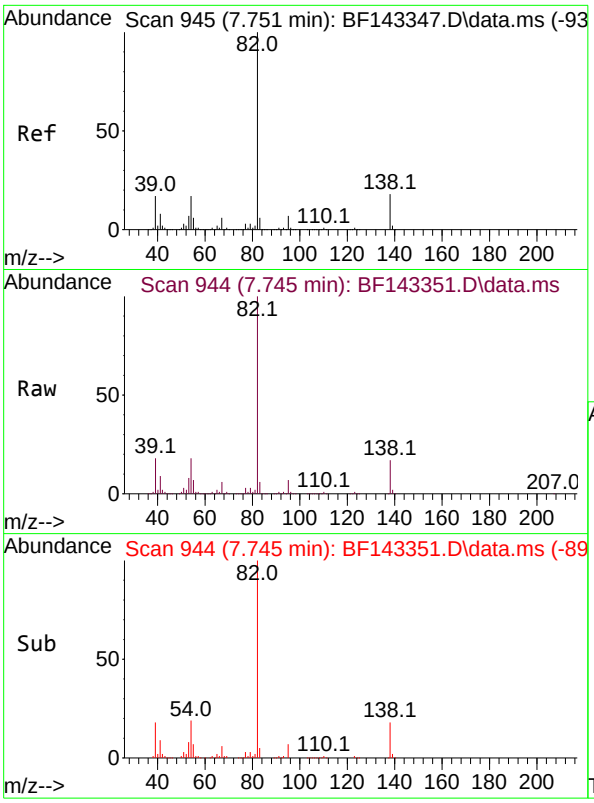


#24
Nitrobenzene
Concen: 40.919 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 77 Resp: 452284

Ion	Ratio	Lower	Upper
77	100		
123	44.6	34.8	52.2
65	13.7	11.0	16.6



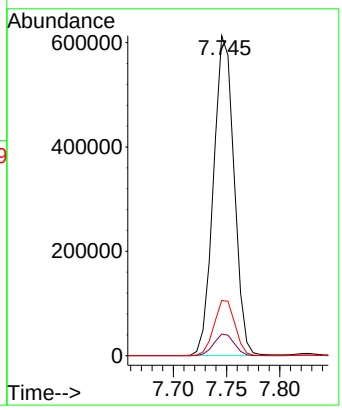


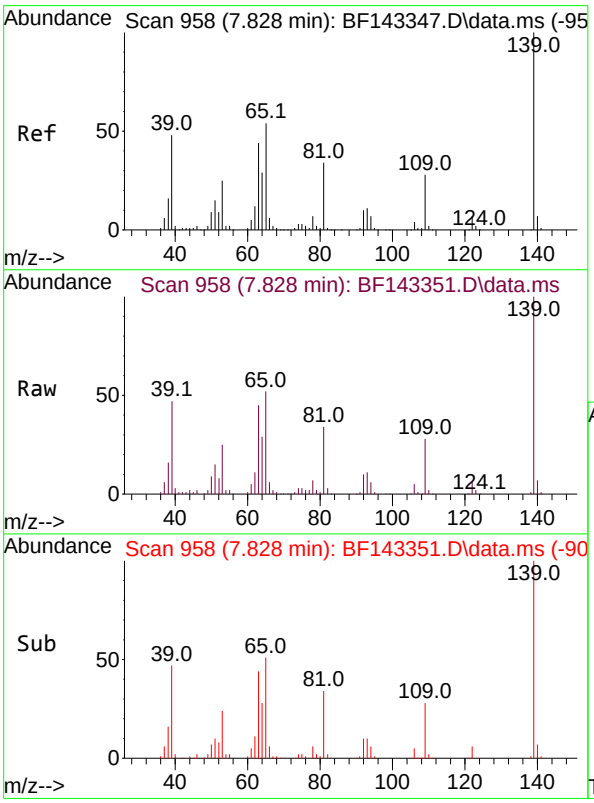
#25
Isophorone
Concen: 39.728 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 82 Resp: 825406

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.2	14.6	21.8

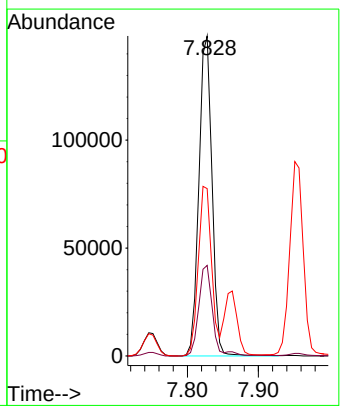


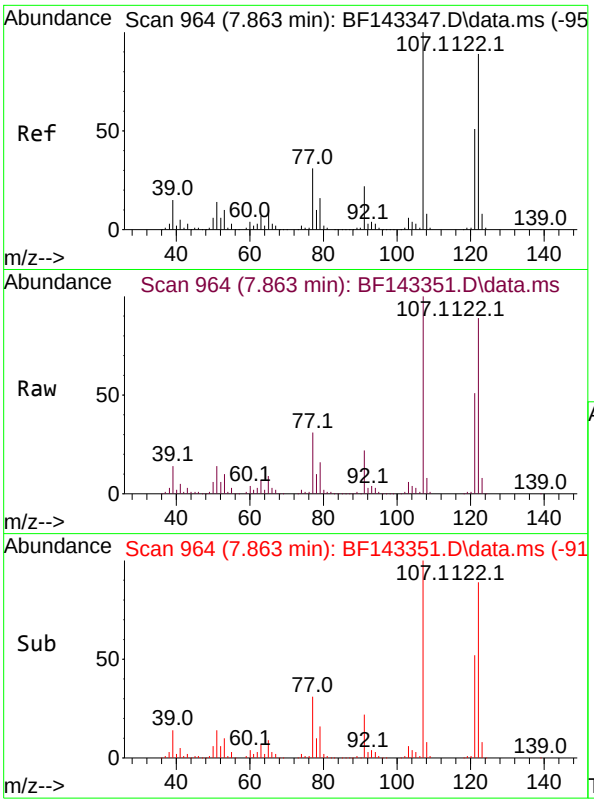


#26
2-Nitrophenol
Concen: 43.318 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:139 Resp: 190171

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.4	33.6
65	52.3	42.9	64.3



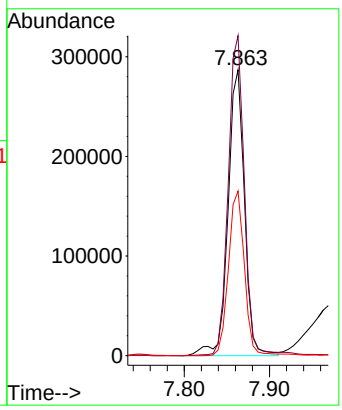


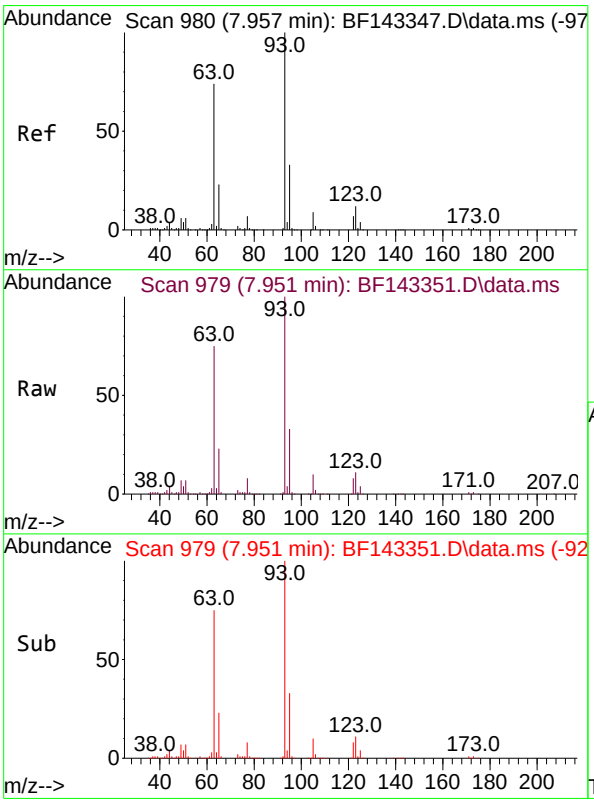
#27
2,4-Dimethylphenol
Concen: 44.394 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:122 Resp: 384805

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.6	46.2	69.4

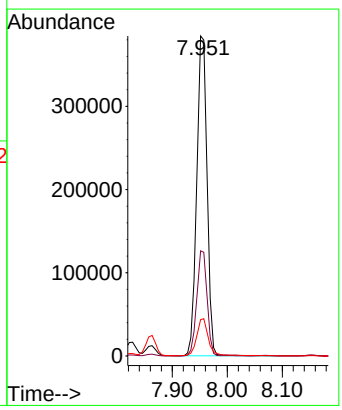


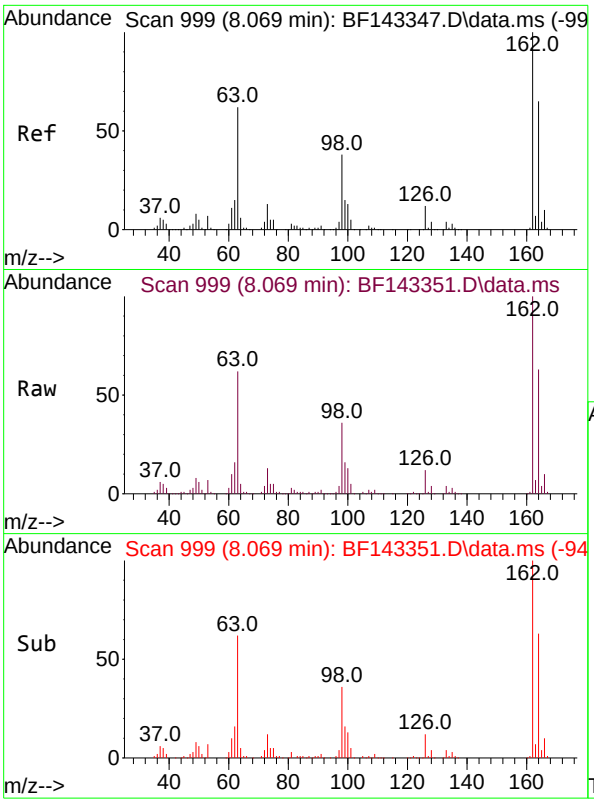


#28
bis(2-Chloroethoxy)methane
Concen: 39.714 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 93 Resp: 503776

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.4	9.4	14.2



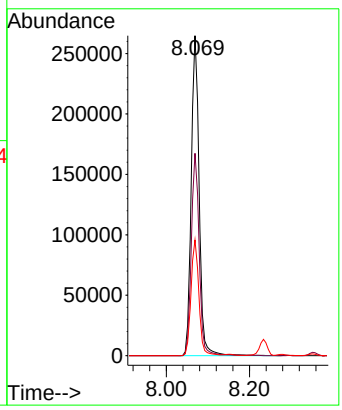


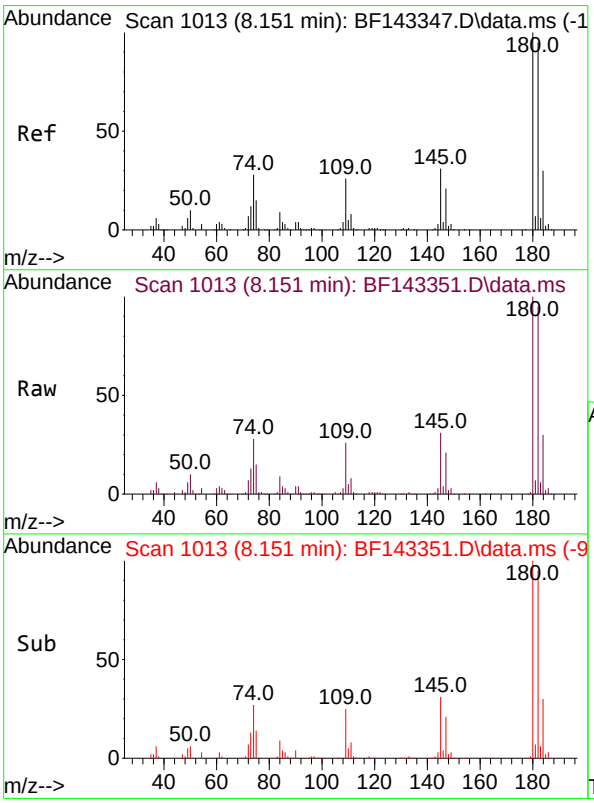
#29
2,4-Dichlorophenol
Concen: 41.289 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:162 Resp: 349559

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.5	84.5
98	36.2	17.7	57.7

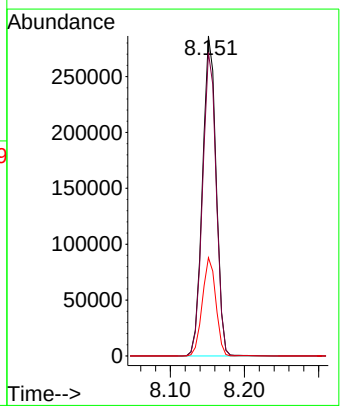


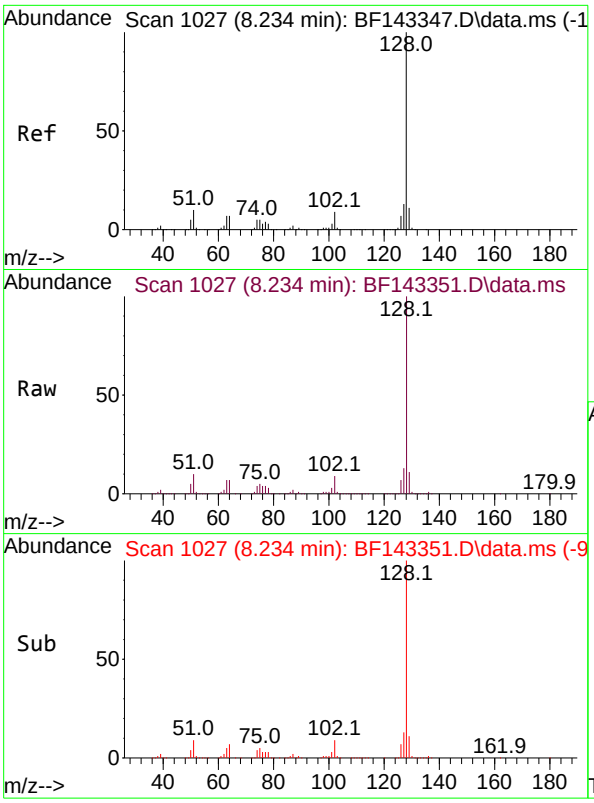


#30
1,2,4-Trichlorobenzene
Concen: 41.017 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:180 Resp: 366302

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	30.7	24.9	37.3



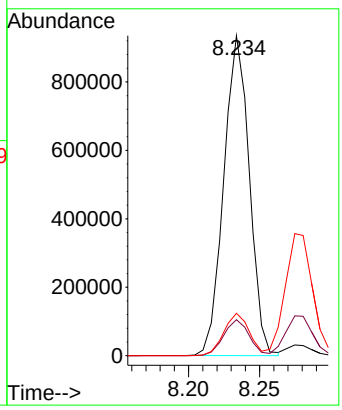


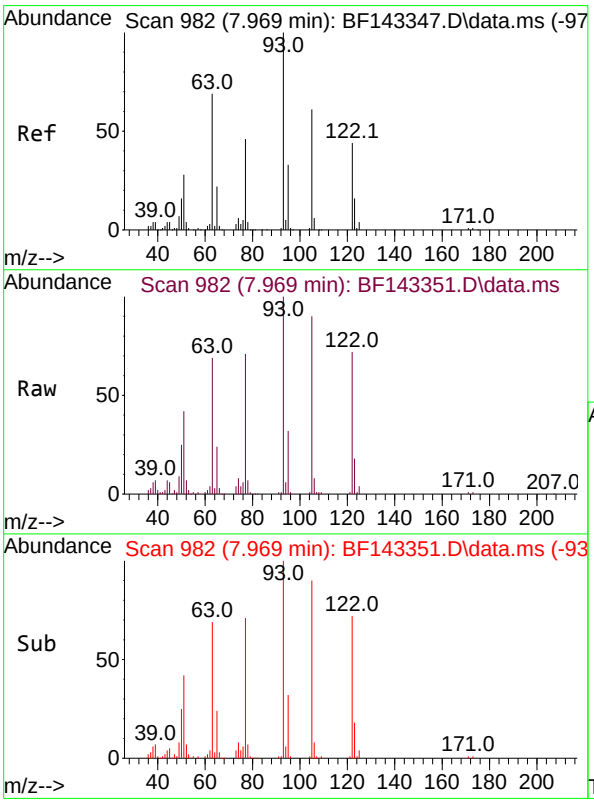
#31
Naphthalene
Concen: 38.372 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:128 Resp: 1170219

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.2	10.7	16.1

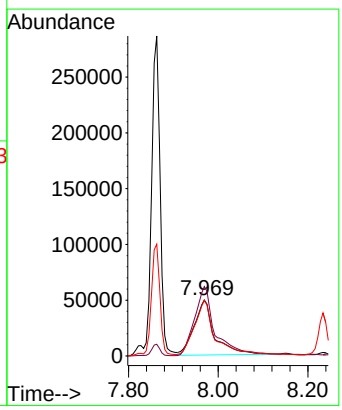


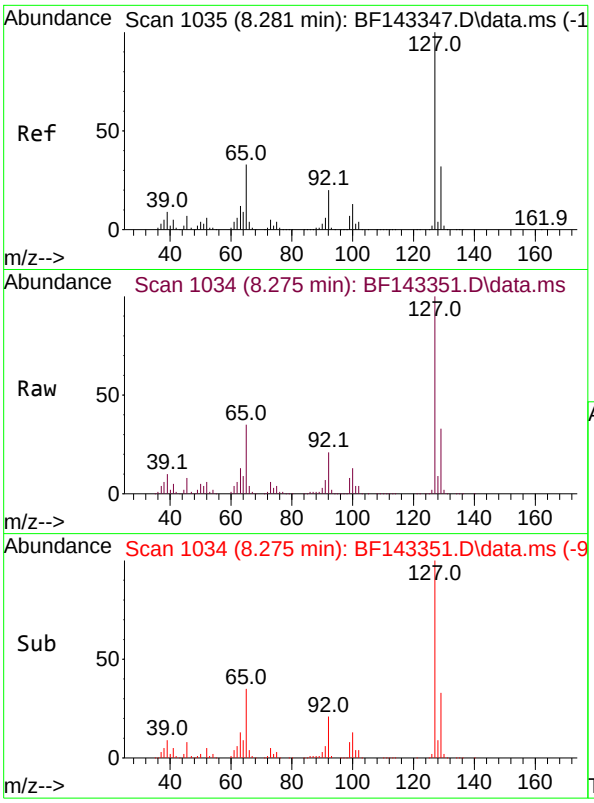


#32
Benzoic acid
Concen: 43.285 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:122 Resp: 157226

Ion	Ratio	Lower	Upper
122	100		
105	124.0	106.4	146.4
77	98.7	79.2	119.2



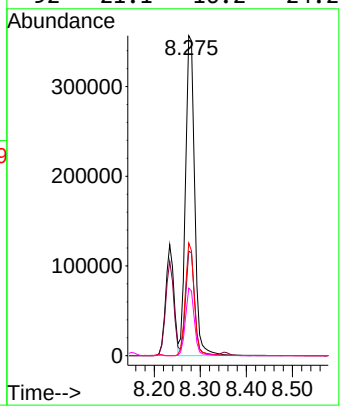


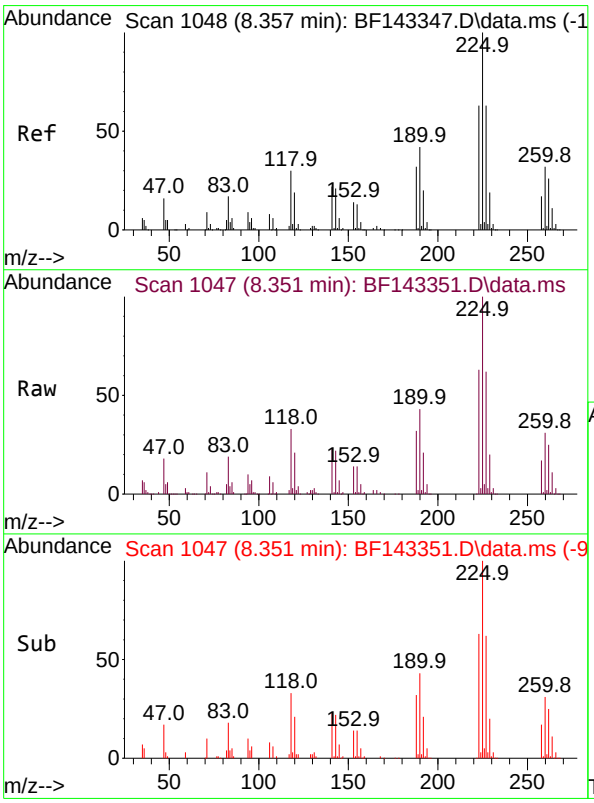
#33
4-Chloroaniline
Concen: 44.618 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:127 Resp: 490782

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.2	27.0	40.4
92	21.1	16.2	24.2

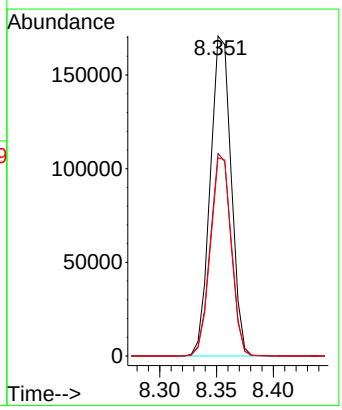


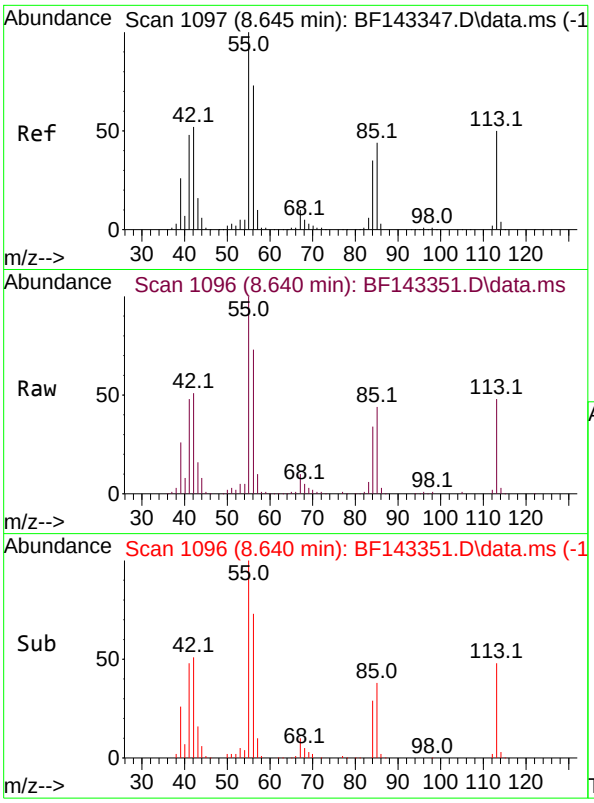


#34
Hexachlorobutadiene
Concen: 39.366 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:225 Resp: 218687

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.1	75.1
227	62.0	50.6	75.8



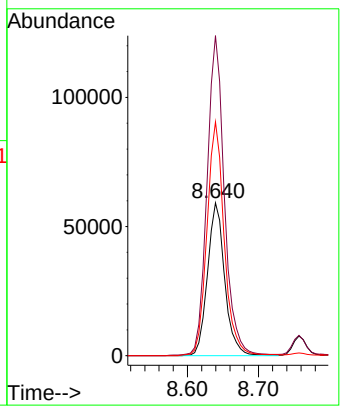


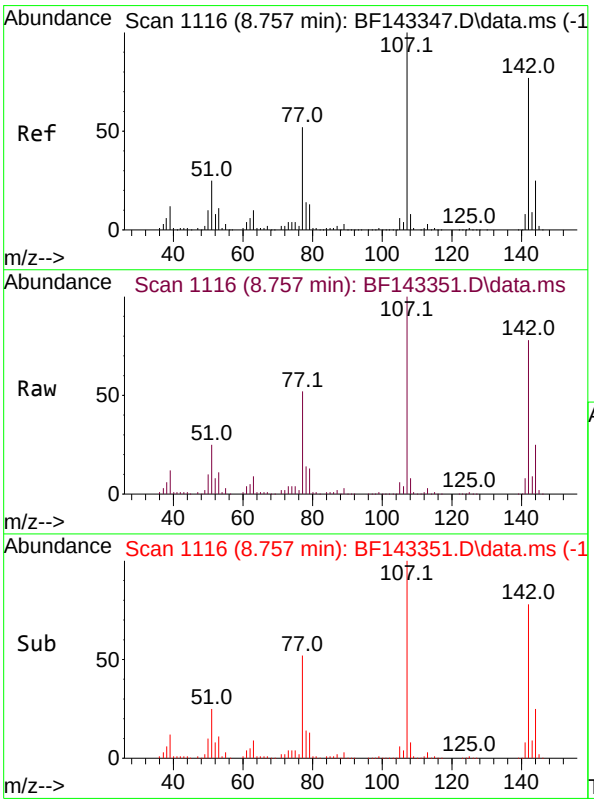
#35
Caprolactam
Concen: 41.892 ng
RT: 8.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:113 Resp: 99702

Ion	Ratio	Lower	Upper
113	100		
55	209.5	181.4	221.4
56	153.0	127.3	167.3

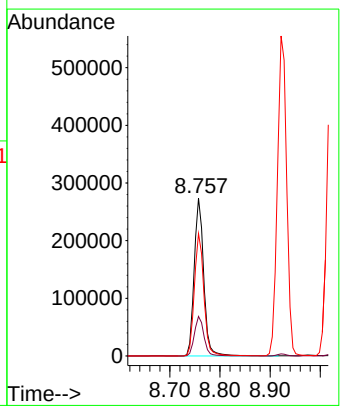


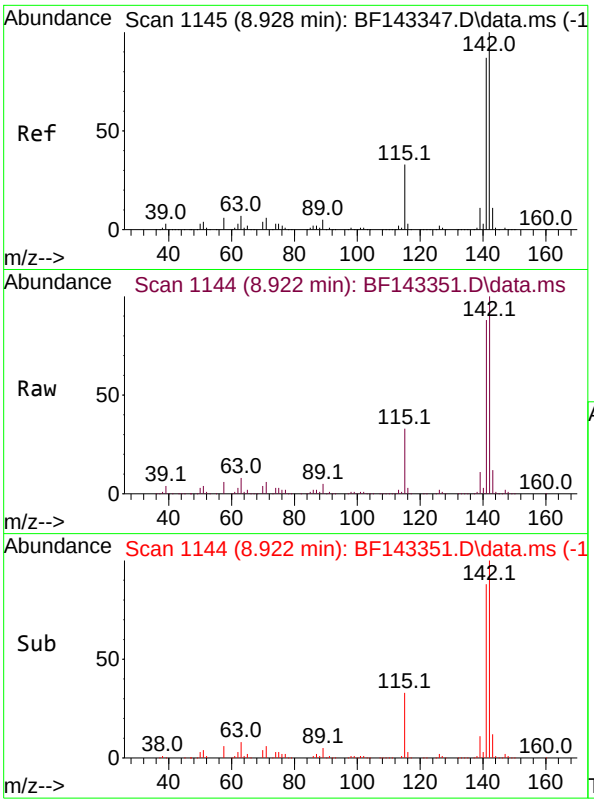


#36
4-Chloro-3-methylphenol
Concen: 40.717 ng
RT: 8.757 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:107 Resp: 361383

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.0	30.0
142	77.6	61.3	91.9



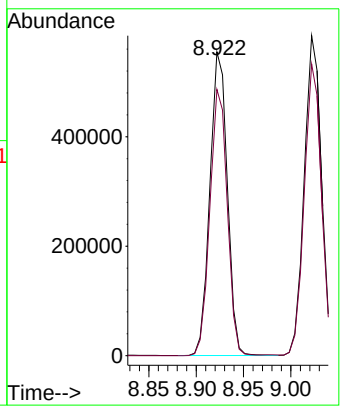


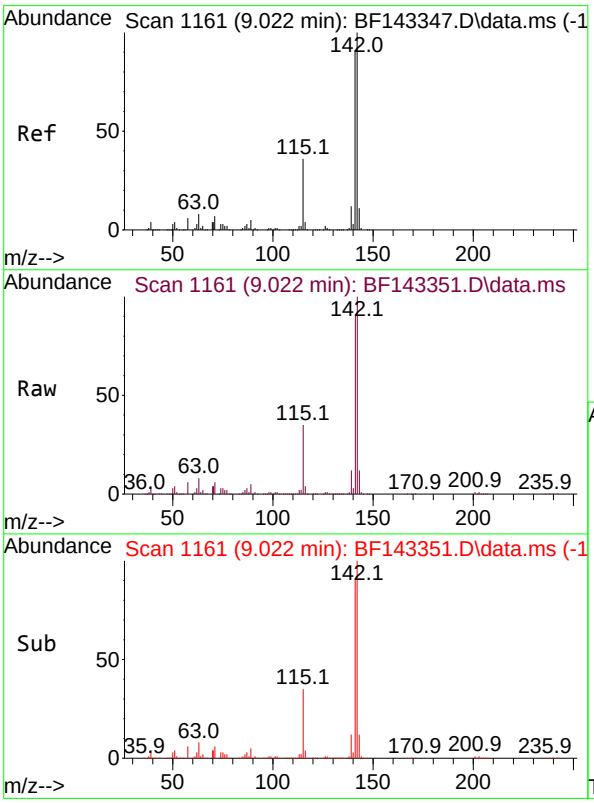
#37
2-Methylnaphthalene
Concen: 35.270 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:142 Resp: 707136

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.8	104.8

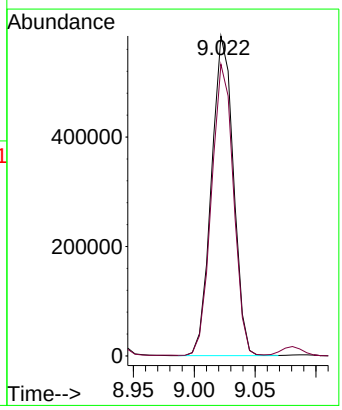


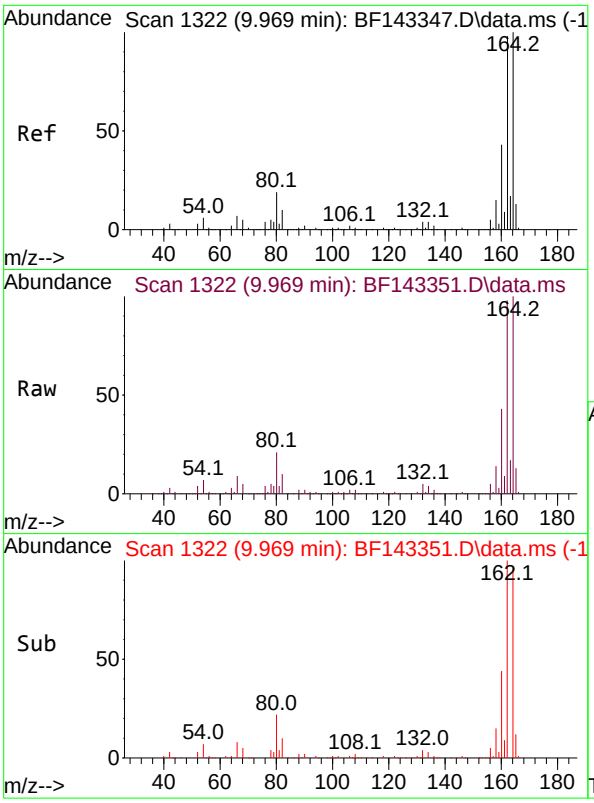


#38
1-Methylnaphthalene
Concen: 37.970 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:142 Resp: 733181

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.0	109.4



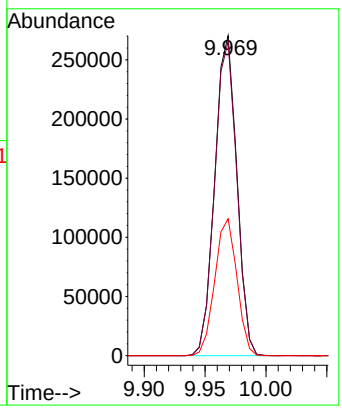


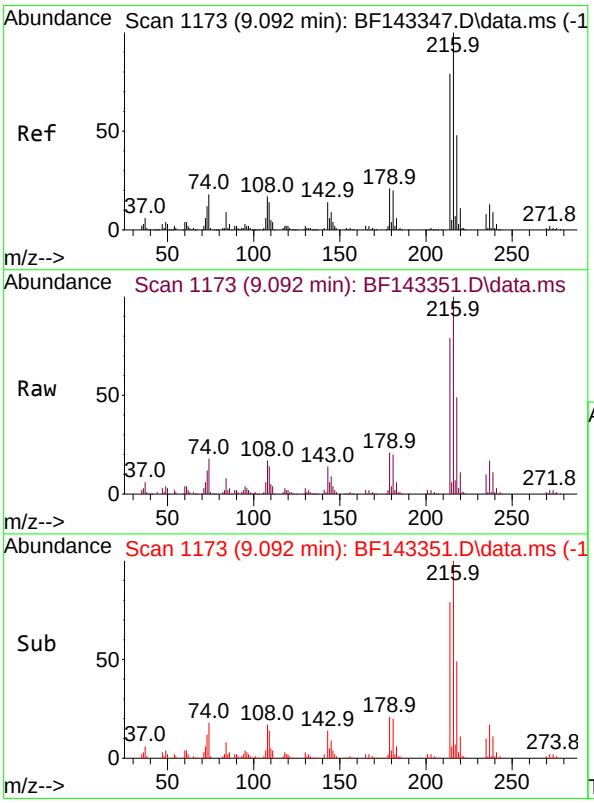
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:164 Resp: 340813

Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.6	118.0
160	42.8	34.4	51.6

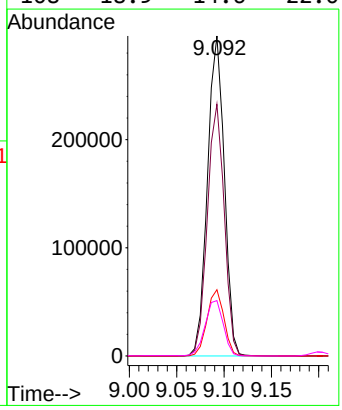


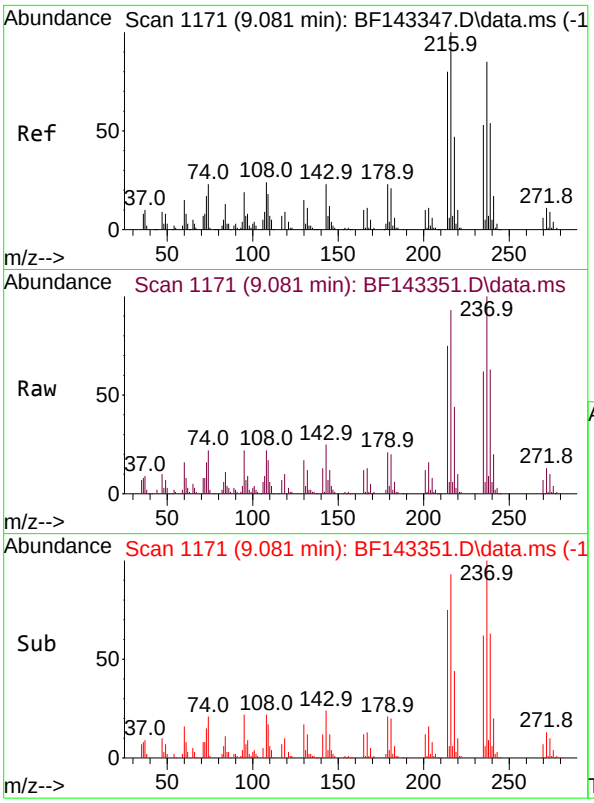


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.218 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:216 Resp: 365752

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	20.8	17.0	25.4
108	18.9	14.6	22.0



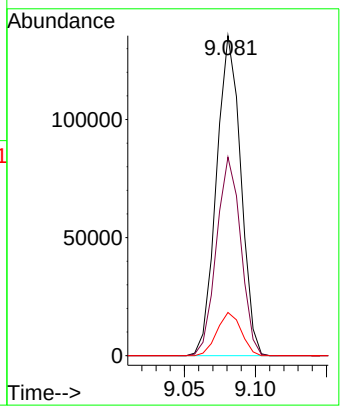


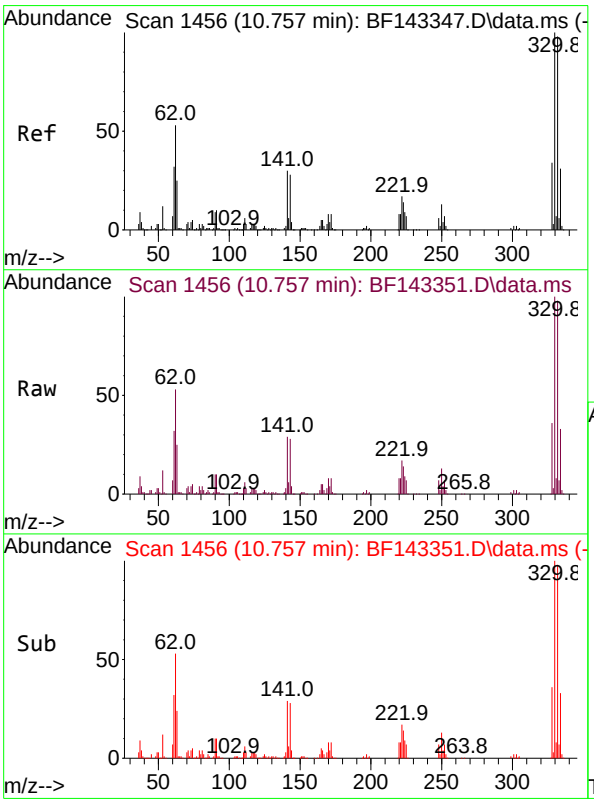
#41
Hexachlorocyclopentadiene
Concen: 51.644 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:237 Resp: 161472

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.0	82.0
272	13.5	0.0	32.6

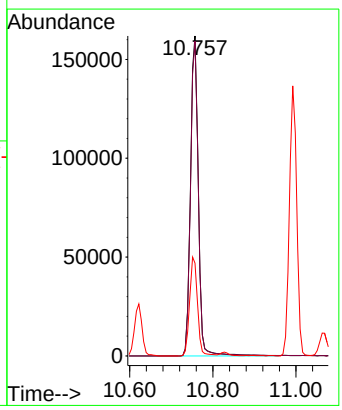


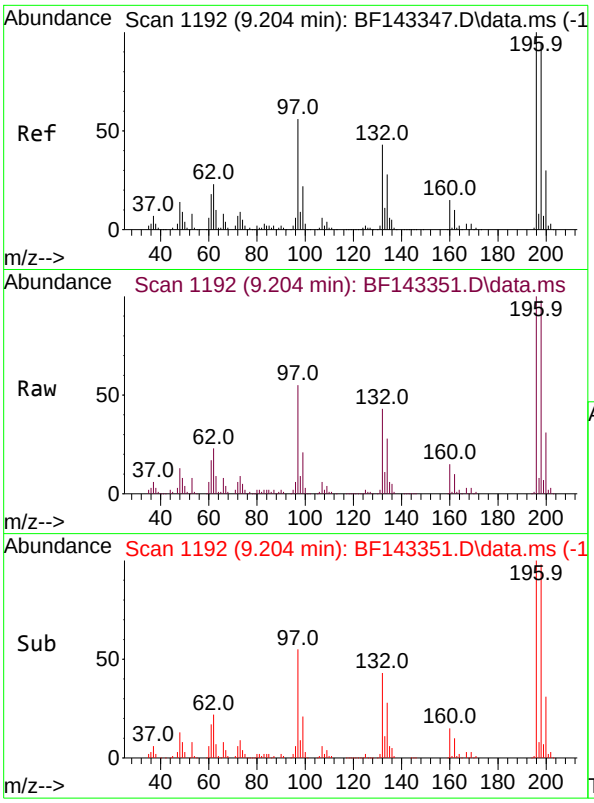


#42
2,4,6-Tribromophenol
Concen: 84.868 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:330 Resp: 211383

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.1	117.1
141	31.2	25.4	38.0



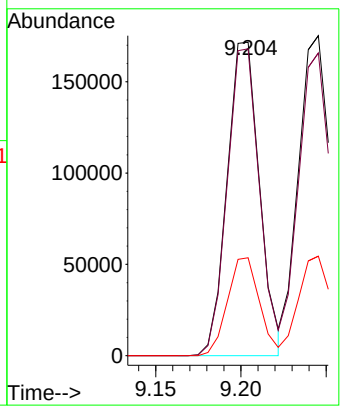


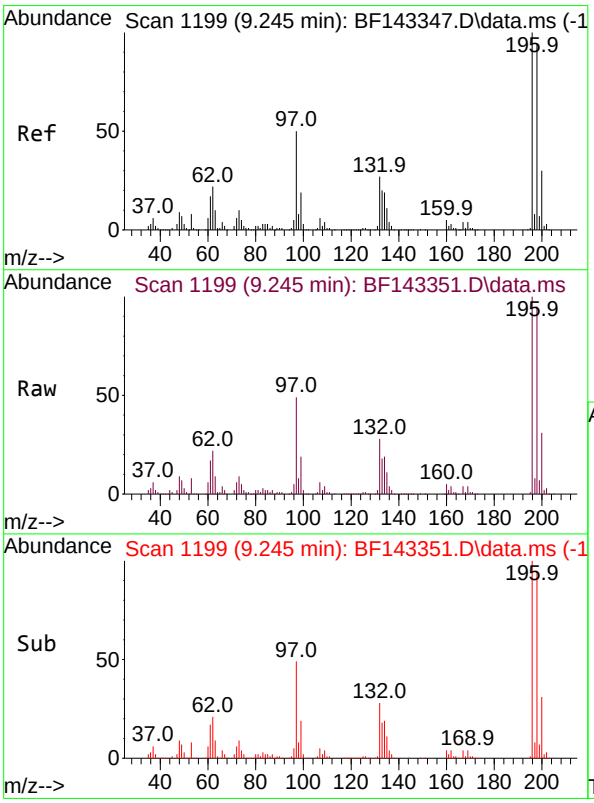
#43
2,4,6-Trichlorophenol
Concen: 42.843 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:196 Resp: 226704

Ion	Ratio	Lower	Upper
196	100		
198	97.9	75.4	113.0
200	31.2	24.3	36.5

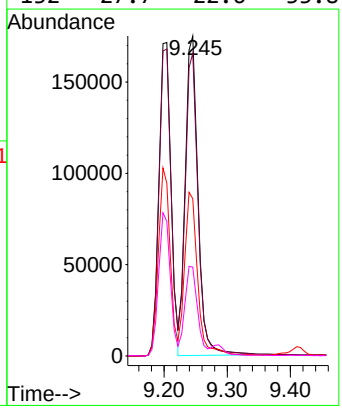


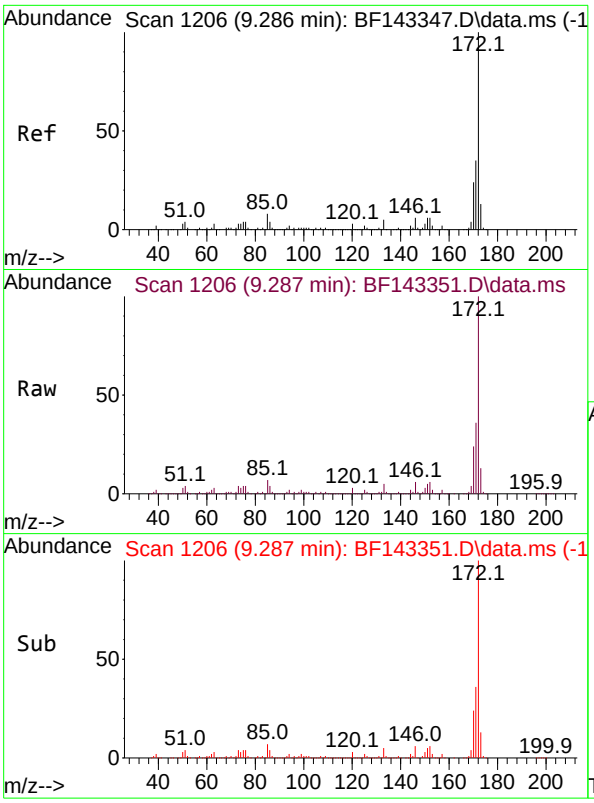


#44
2,4,5-Trichlorophenol
Concen: 41.305 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:196 Resp: 246815

Ion	Ratio	Lower	Upper
196	100		
198	94.6	75.4	113.2
97	49.1	39.9	59.9
132	27.7	22.6	33.8



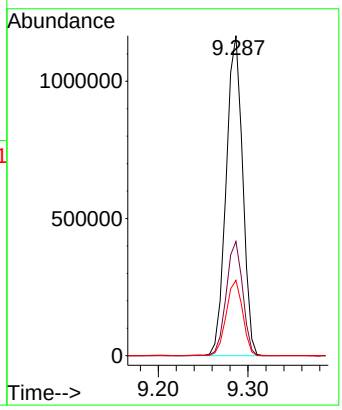


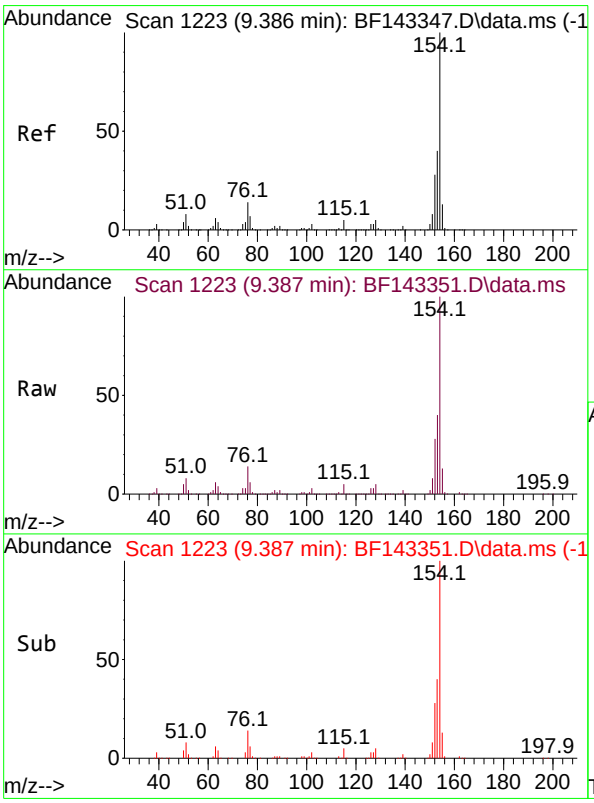
#45
2-Fluorobiphenyl
Concen: 74.116 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:172 Resp: 1489585

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.6	19.1	28.7

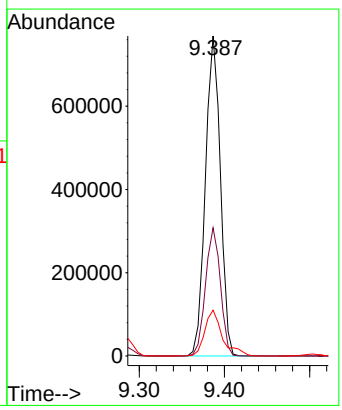


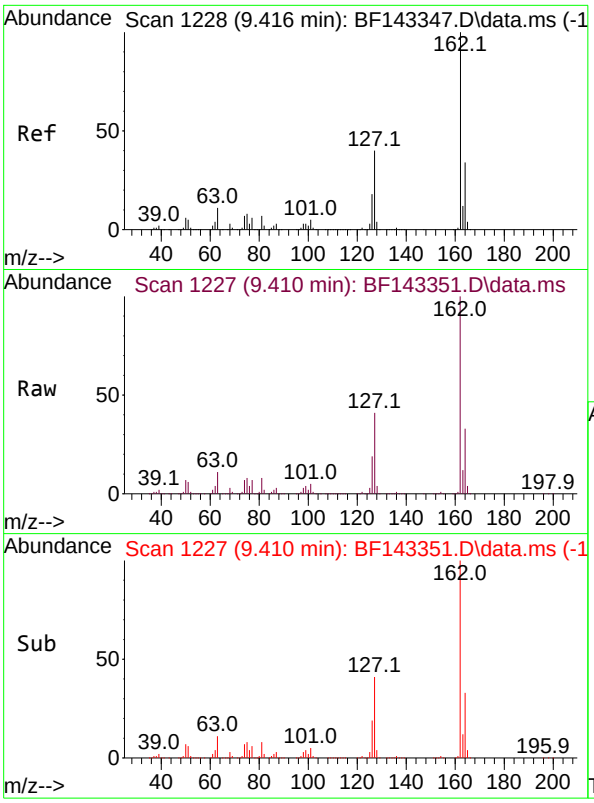


#46
1,1'-Biphenyl
Concen: 38.812 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:154 Resp: 935277

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.2	60.2
76	14.3	0.0	34.4



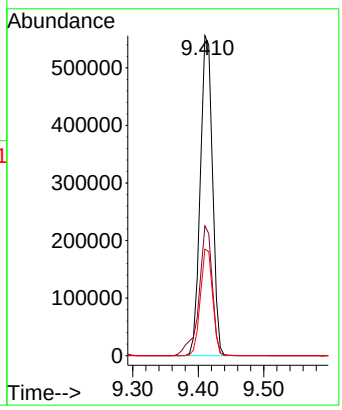


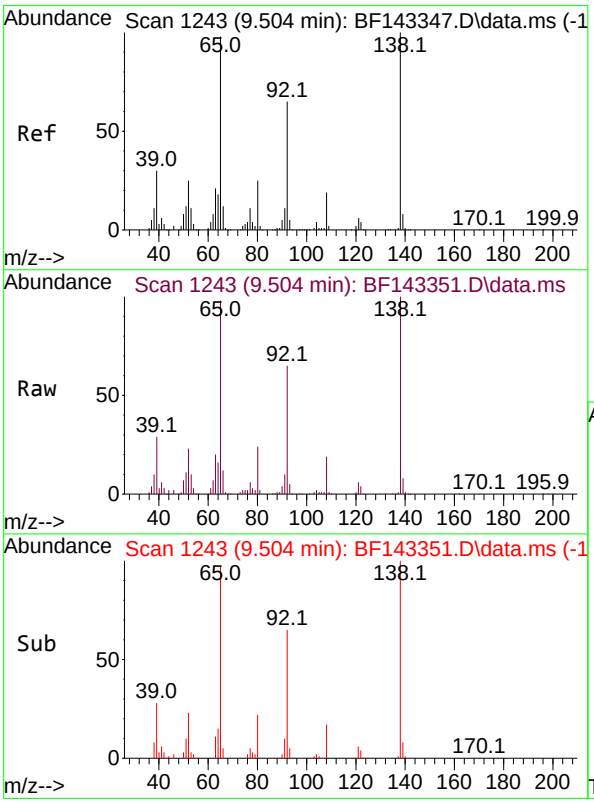
#47
2-Chloronaphthalene
Concen: 38.093 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:162 Resp: 722952

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.1	48.1
164	33.3	27.0	40.4

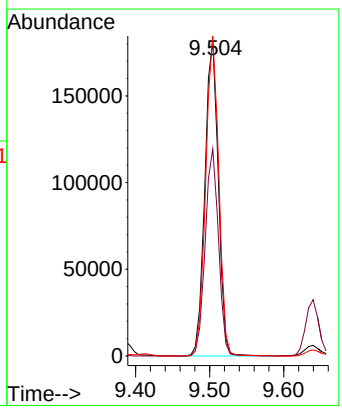


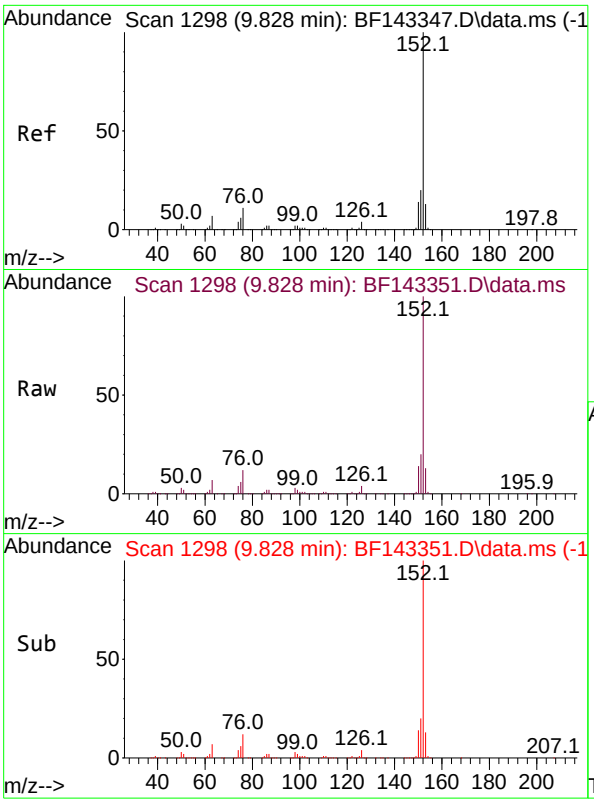


#48
2-Nitroaniline
Concen: 42.167 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion: 65 Resp: 228854

Ion	Ratio	Lower	Upper
65	100		
92	65.7	53.1	79.7
138	101.5	81.4	122.0



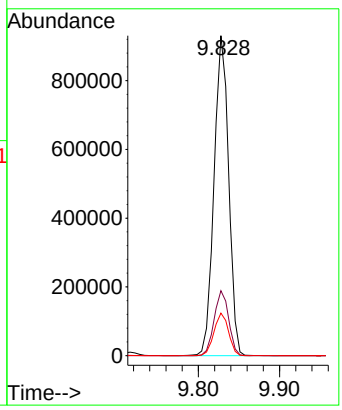


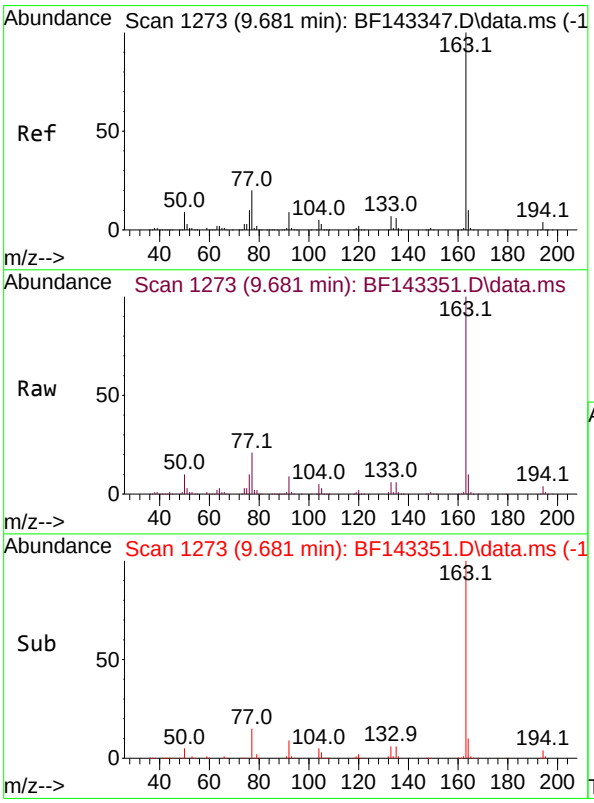
#49
Acenaphthylene
Concen: 42.507 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:152 Resp: 1164992

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	16.0

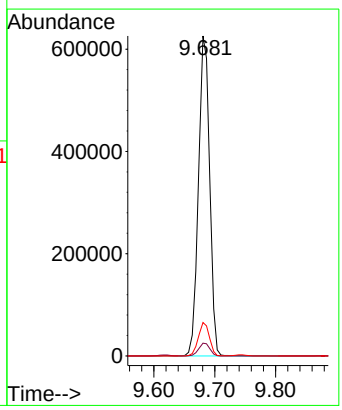


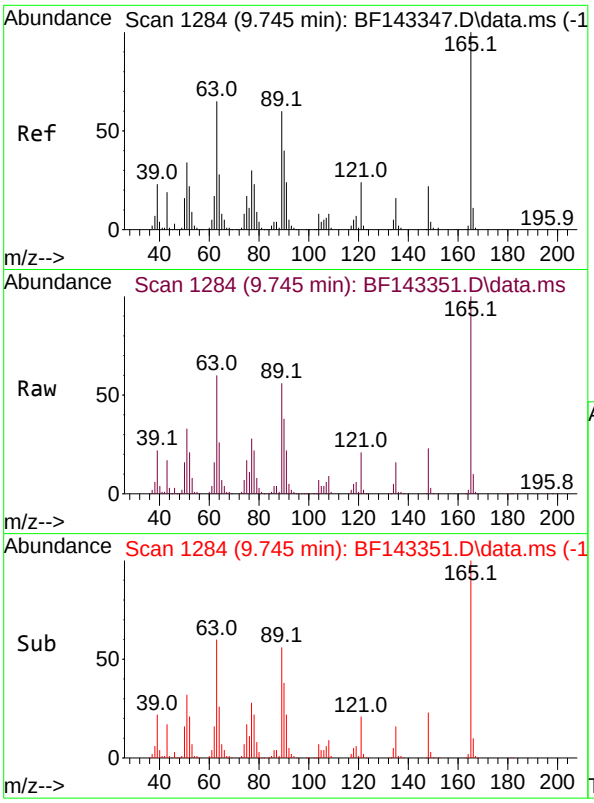


#50
Dimethylphthalate
Concen: 40.126 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:163 Resp: 799080

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.4	8.2	12.2



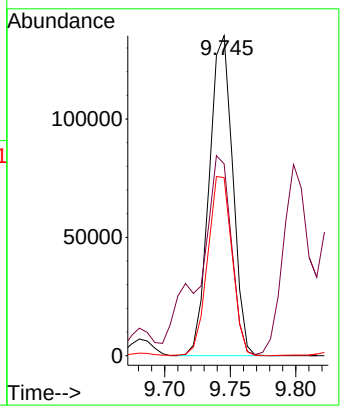


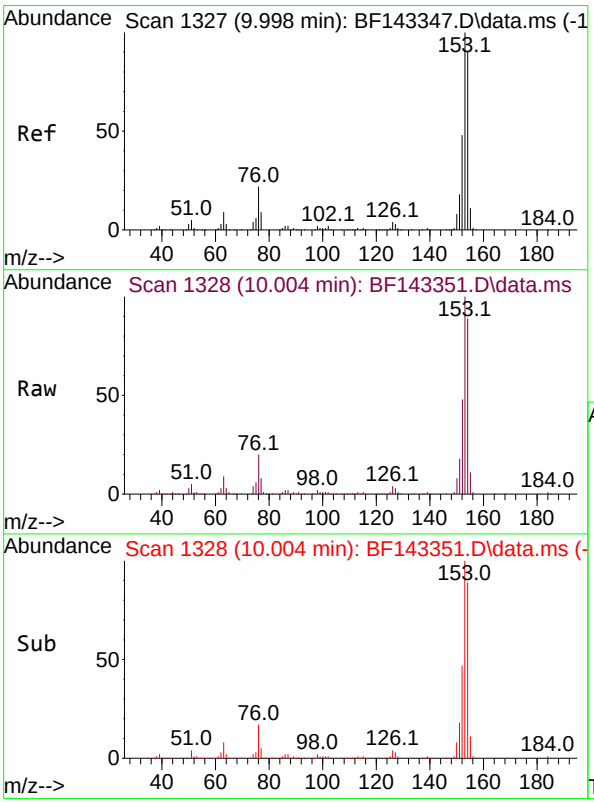
#51
2,6-Dinitrotoluene
Concen: 45.012 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:165 Resp: 168880

Ion	Ratio	Lower	Upper
165	100		
63	60.0	51.6	77.4
89	55.7	47.7	71.5

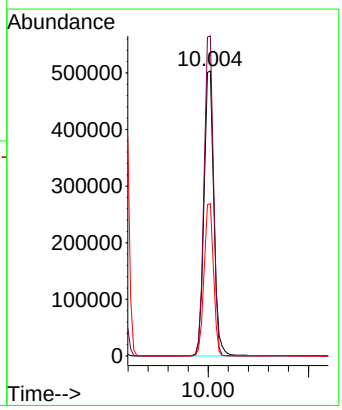


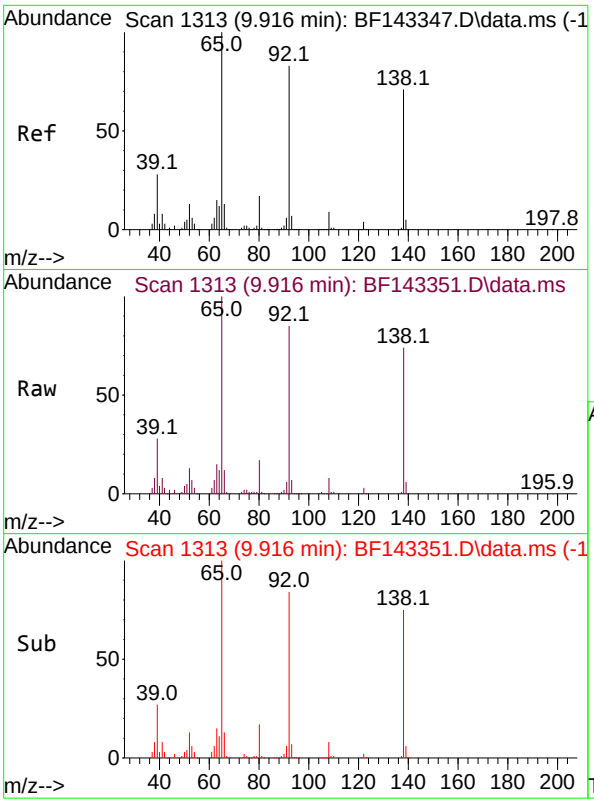


#52
Acenaphthene
Concen: 37.893 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:154 Resp: 690443

Ion	Ratio	Lower	Upper
154	100		
153	112.3	88.5	132.7
152	53.4	42.4	63.6



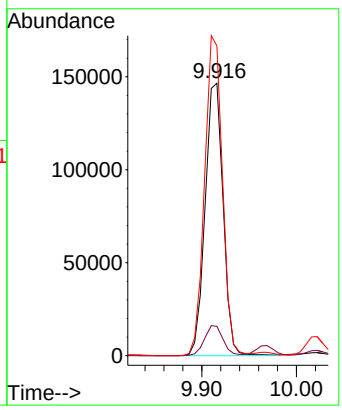


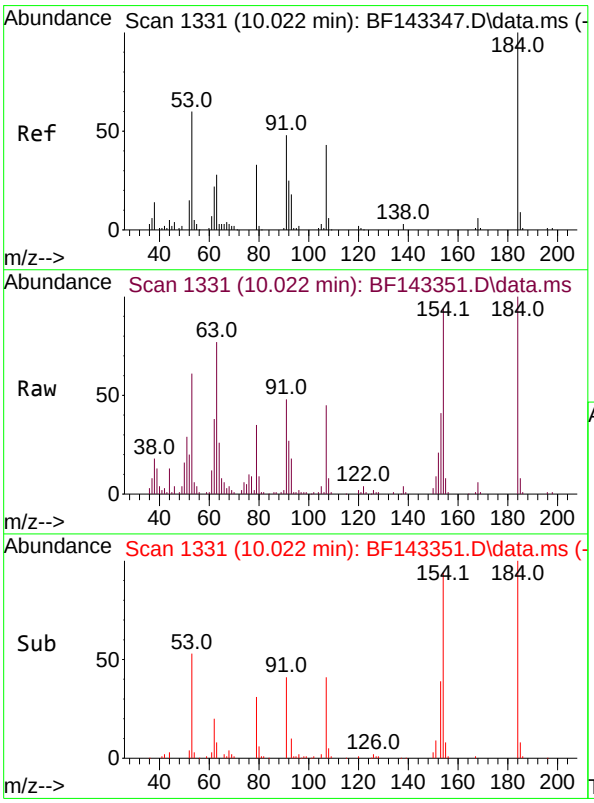
#53
3-Nitroaniline
Concen: 47.593 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:138 Resp: 194097

Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.6	14.4
92	113.7	93.4	140.2

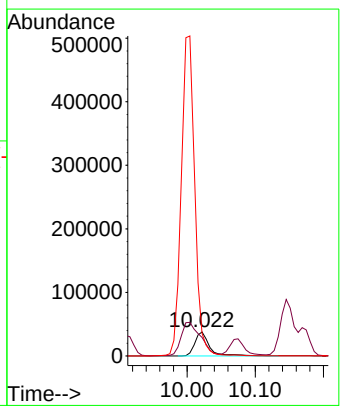


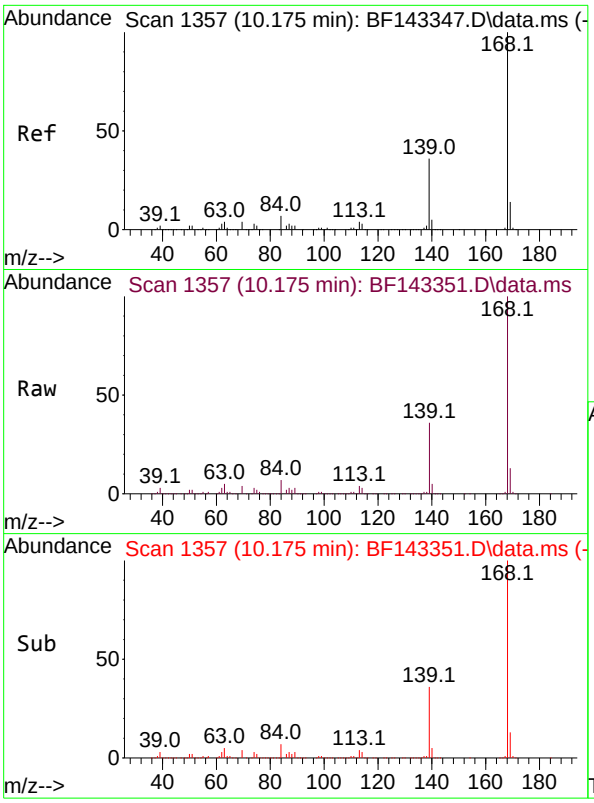


#54
2,4-Dinitrophenol
Concen: 45.910 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:184 Resp: 56042

Ion	Ratio	Lower	Upper
184	100		
63	77.4	62.5	93.7
154	94.4	73.0	109.4



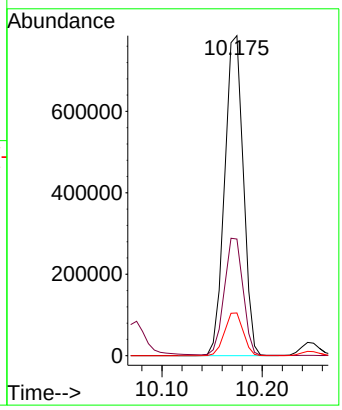


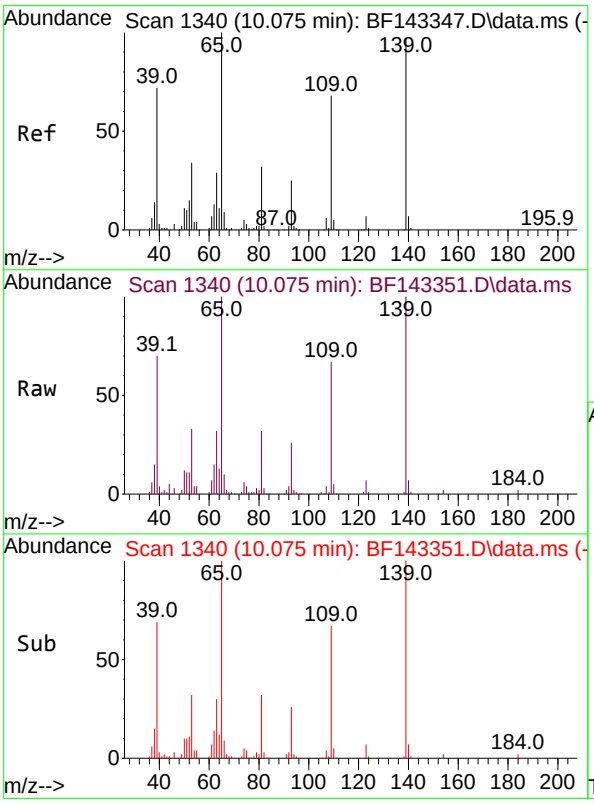
#55
Dibenzofuran
Concen: 38.652 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:168 Resp: 1013581

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.4	44.0
169	13.4	11.0	16.6

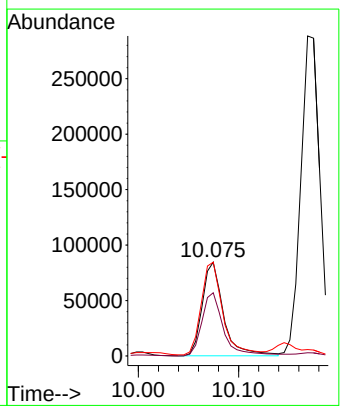


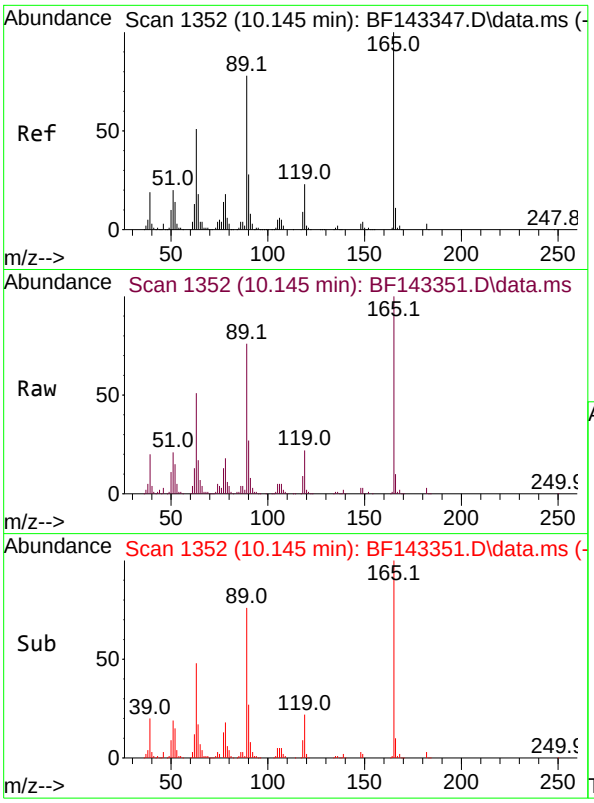


#56
4-Nitrophenol
Concen: 41.060 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:139 Resp: 124501

Ion	Ratio	Lower	Upper
139	100		
109	67.4	49.4	89.4
65	100.1	83.7	123.7



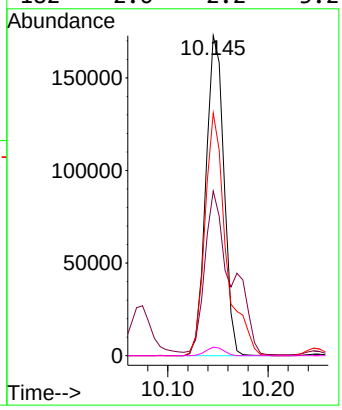


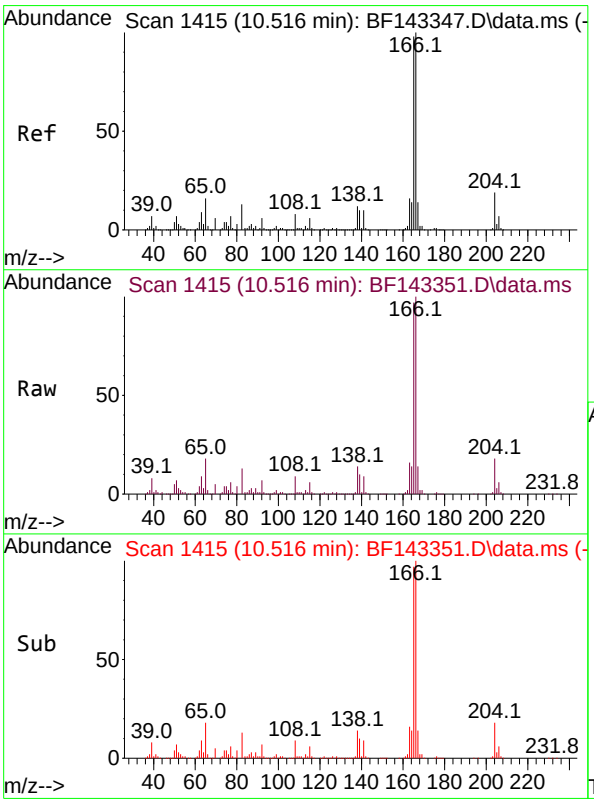
#57
2,4-Dinitrotoluene
Concen: 43.458 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:165 Resp: 215795

Ion	Ratio	Lower	Upper
165	100		
63	51.4	41.8	62.8
89	75.9	62.4	93.6
182	2.6	2.2	3.2

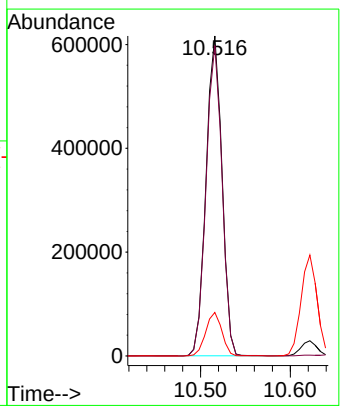


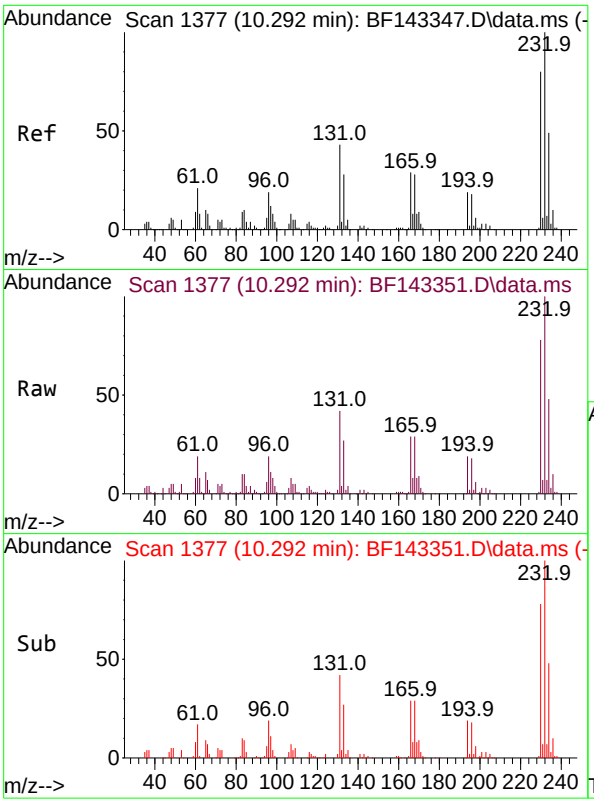


#58
Fluorene
Concen: 38.022 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:166 Resp: 761581

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.2	117.4
167	13.6	10.9	16.3



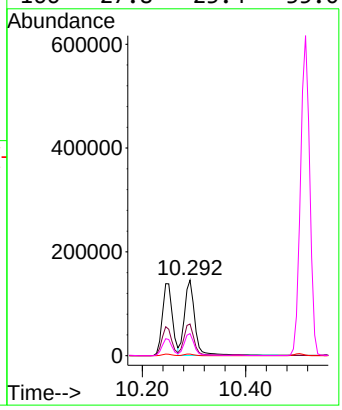


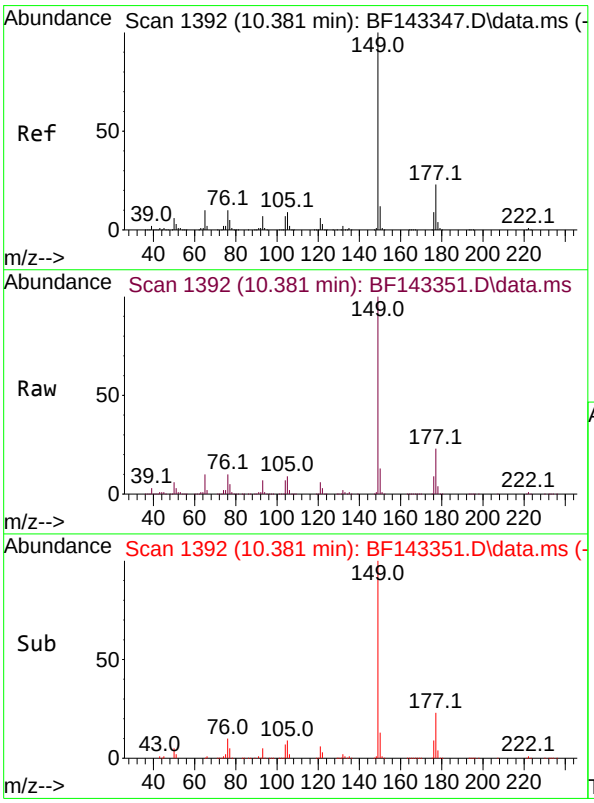
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.091 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:232 Resp: 201768

Ion	Ratio	Lower	Upper
232	100		
131	42.2	34.6	51.8
130	2.1	1.7	2.5
166	27.8	23.4	35.0

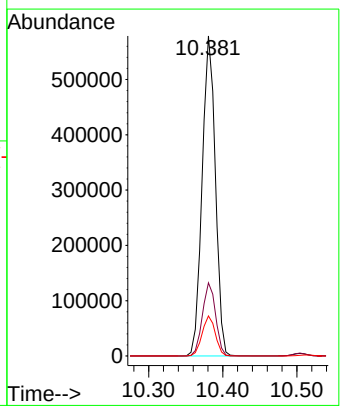


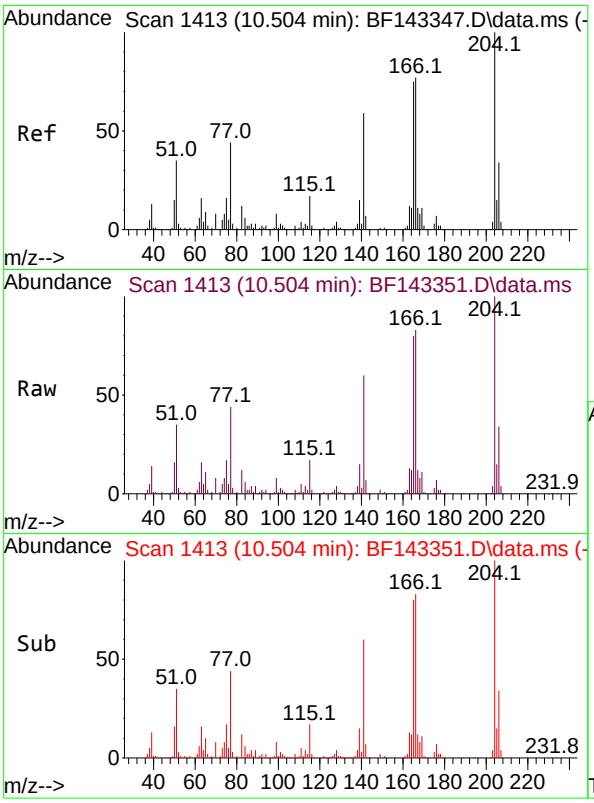


#60
Diethylphthalate
Concen: 40.317 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 719164

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.2	27.2
150	12.5	9.9	14.9



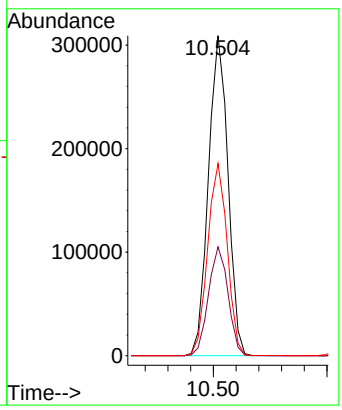


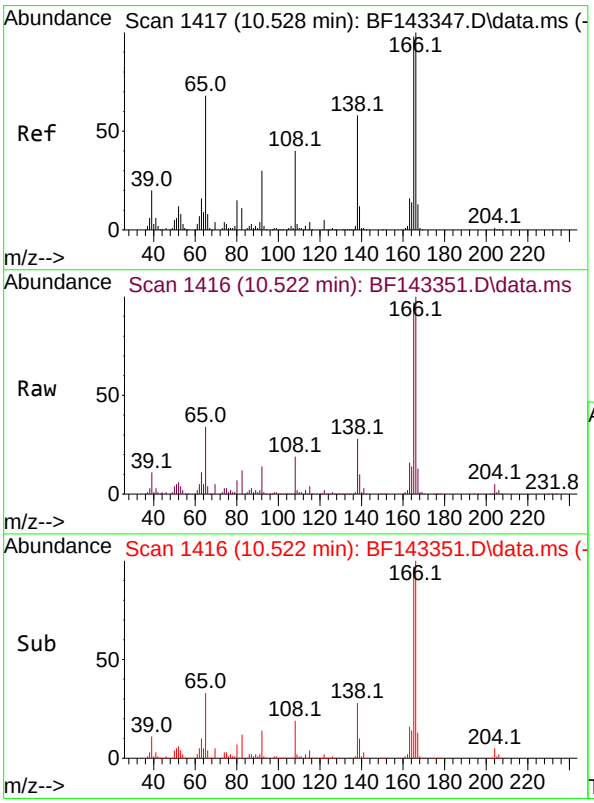
#61
4-Chlorophenyl-phenylether
Concen: 38.123 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:204 Resp: 368971

Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.4	41.2
141	60.1	46.9	70.3

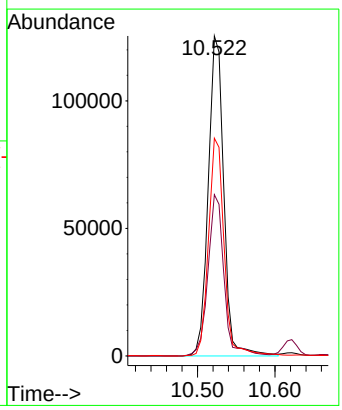


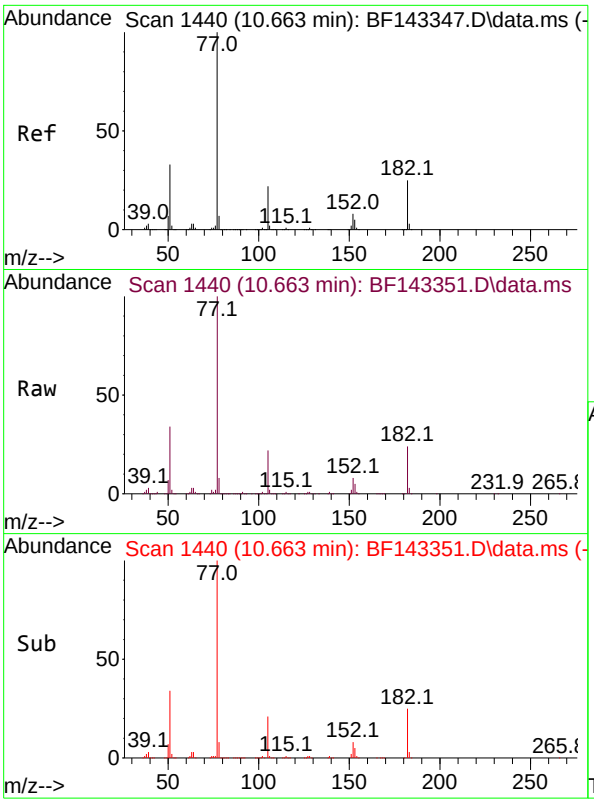


#62
4-Nitroaniline
Concen: 44.317 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:138 Resp: 174863

Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.2	71.2
108	68.1	48.1	88.1



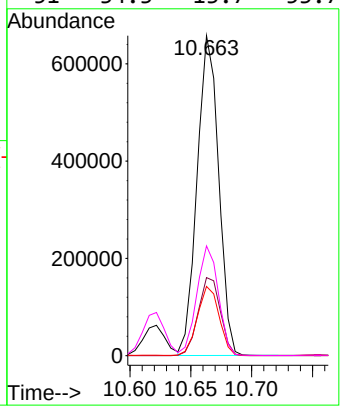


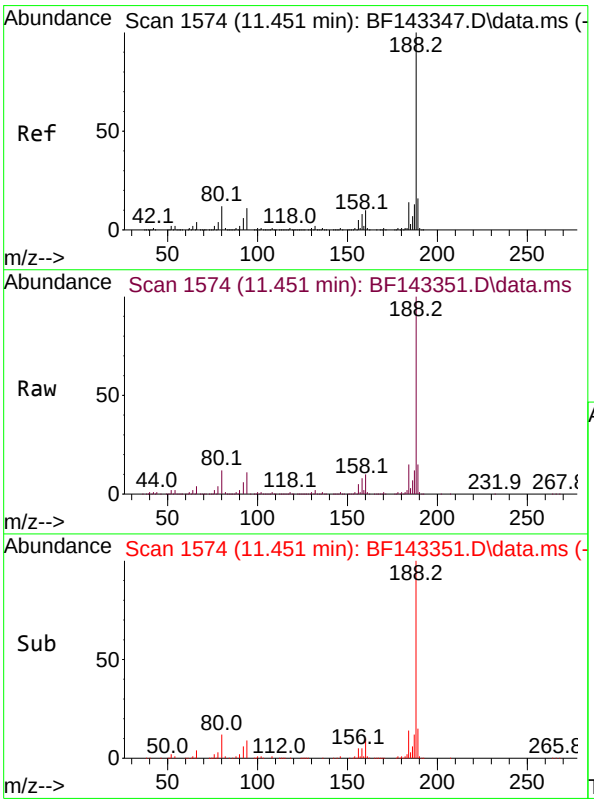
#63
Azobenzene
Concen: 39.721 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion: 77 Resp: 809295

Ion	Ratio	Lower	Upper
77	100		
182	24.4	4.4	44.4
105	21.7	1.8	41.8
51	34.3	13.7	53.7

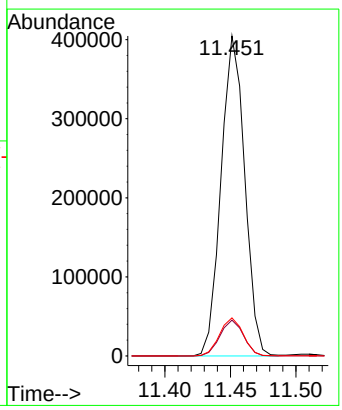


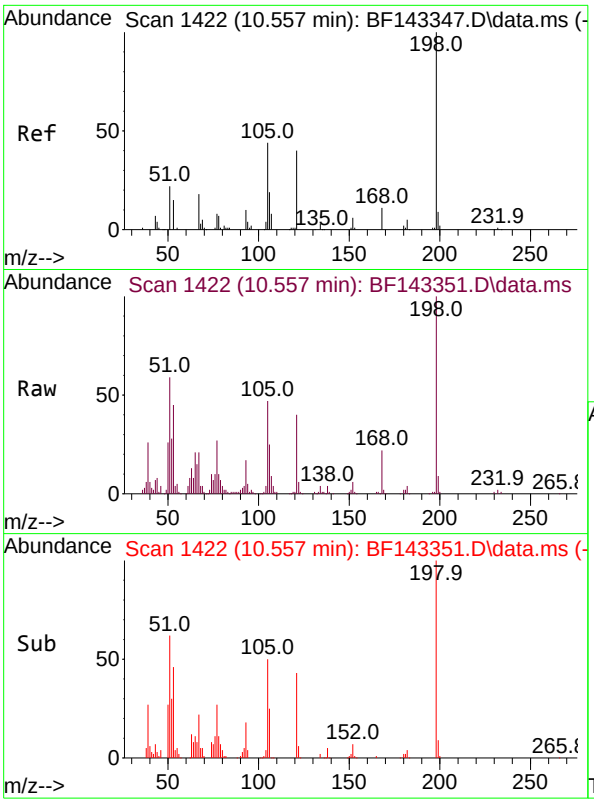


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:188 Resp: 507289

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.8	13.2
80	11.9	9.7	14.5



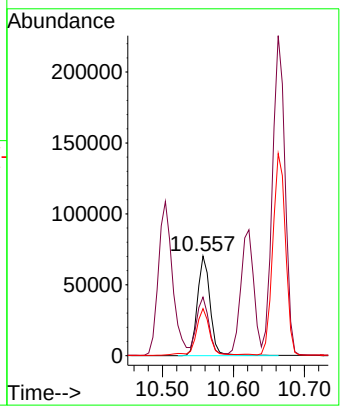


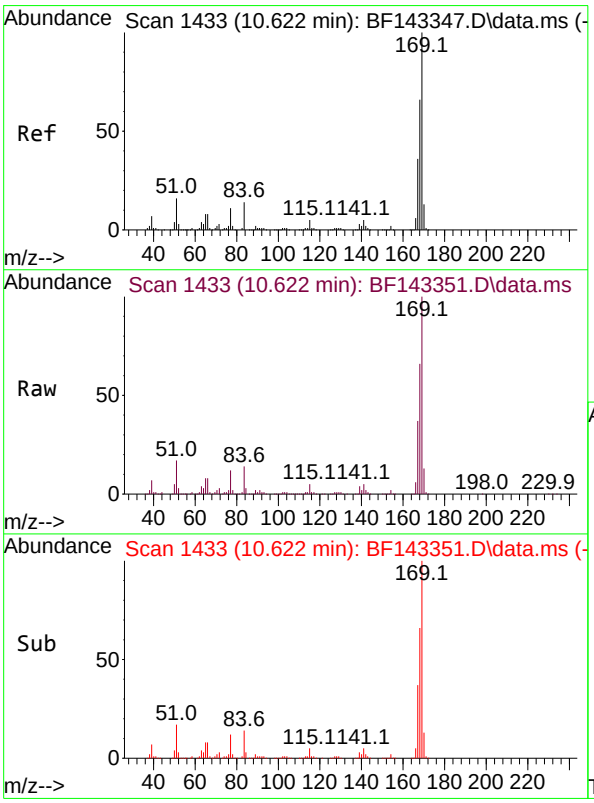
#65
4,6-Dinitro-2-methylphenol
Concen: 43.535 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:198 Resp: 87717

Ion	Ratio	Lower	Upper
198	100		
51	58.8	41.7	81.7
105	47.3	26.8	66.8

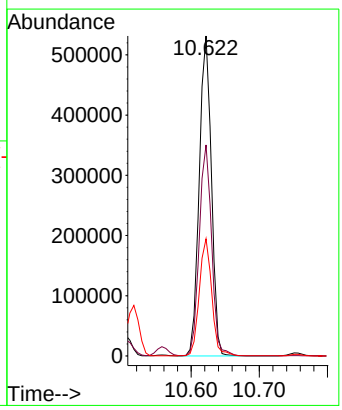


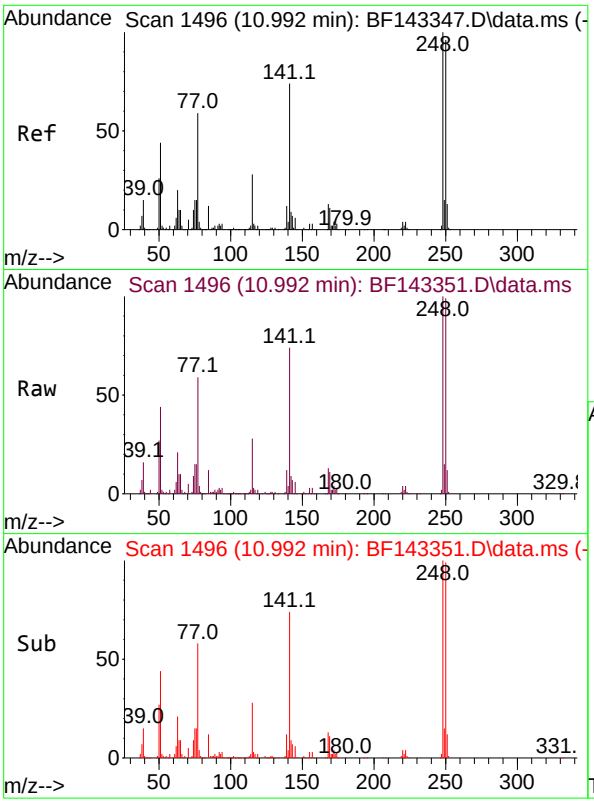


#66
n-Nitrosodiphenylamine
Concen: 39.468 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:169 Resp: 659263

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	36.6	28.6	42.8



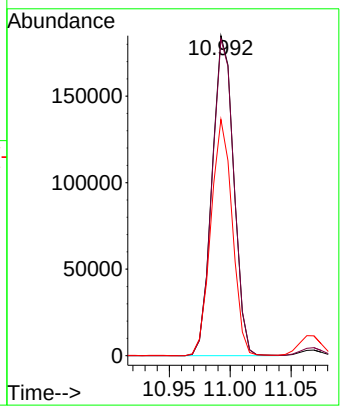


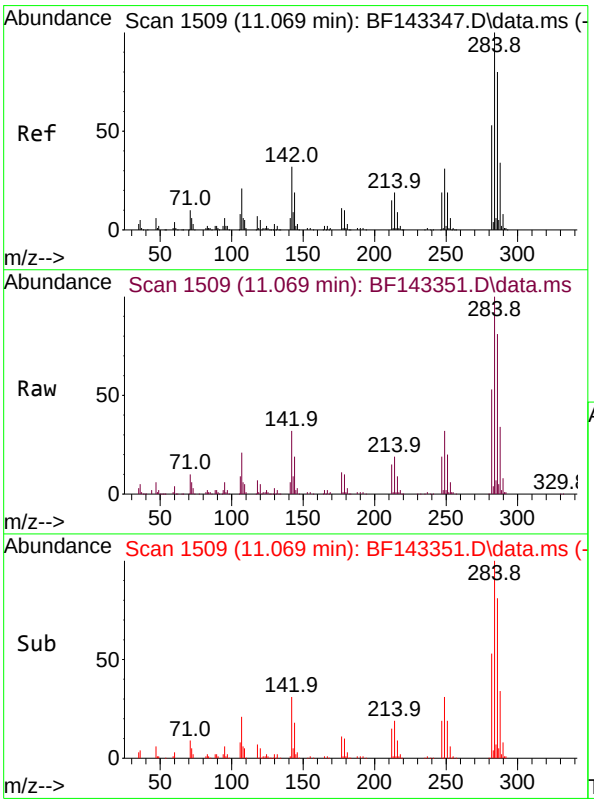
#67
4-Bromophenyl-phenylether
Concen: 39.466 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:248 Resp: 228971

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.1	115.7
141	73.9	59.1	88.7

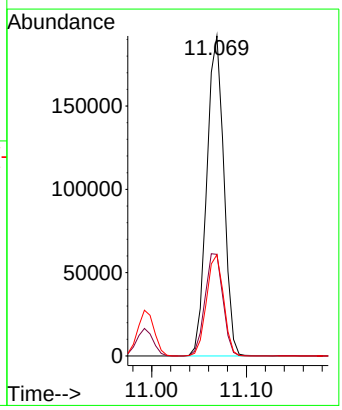


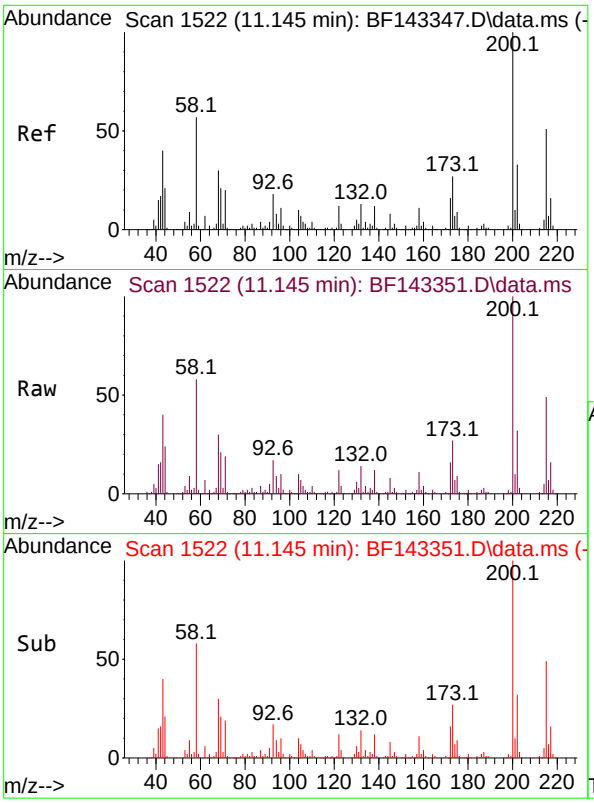


#68
Hexachlorobenzene
Concen: 38.460 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:284 Resp: 240521

Ion	Ratio	Lower	Upper
284	100		
142	31.7	25.7	38.5
249	31.6	24.6	37.0



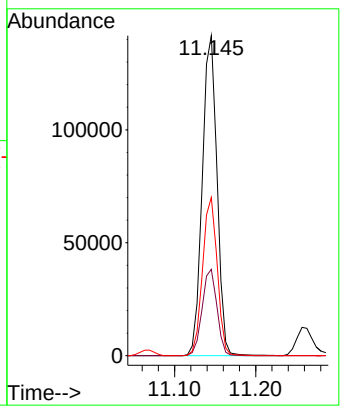


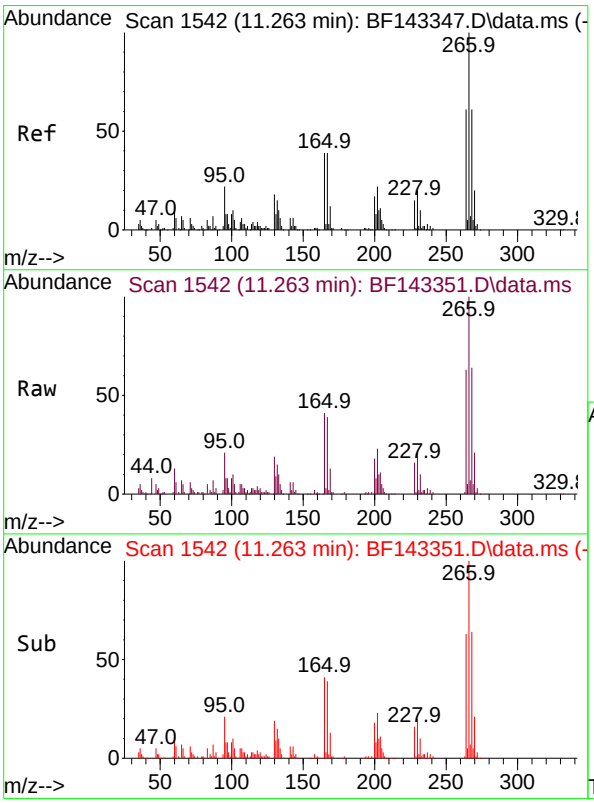
#69
Atrazine
Concen: 40.936 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:200 Resp: 178347

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.6	46.6
215	49.4	30.6	70.6

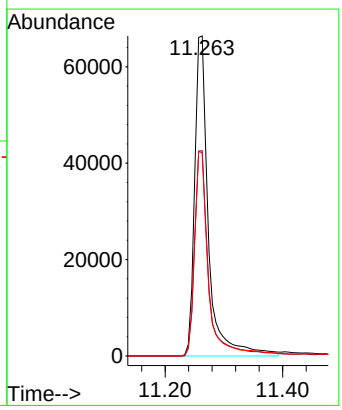


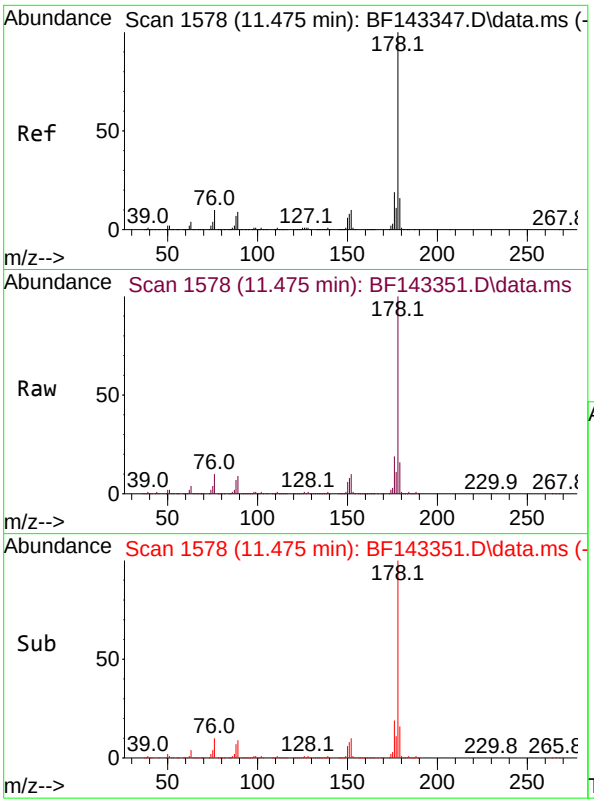


#70
Pentachlorophenol
Concen: 38.771 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:266 Resp: 108593

Ion	Ratio	Lower	Upper
266	100		
268	64.2	48.8	73.2
264	63.4	48.8	73.2



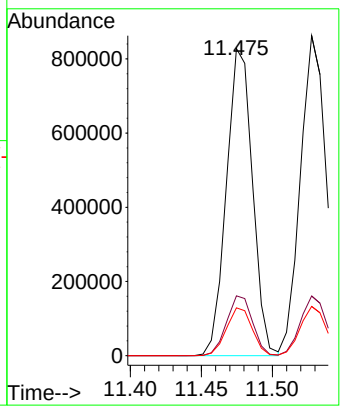


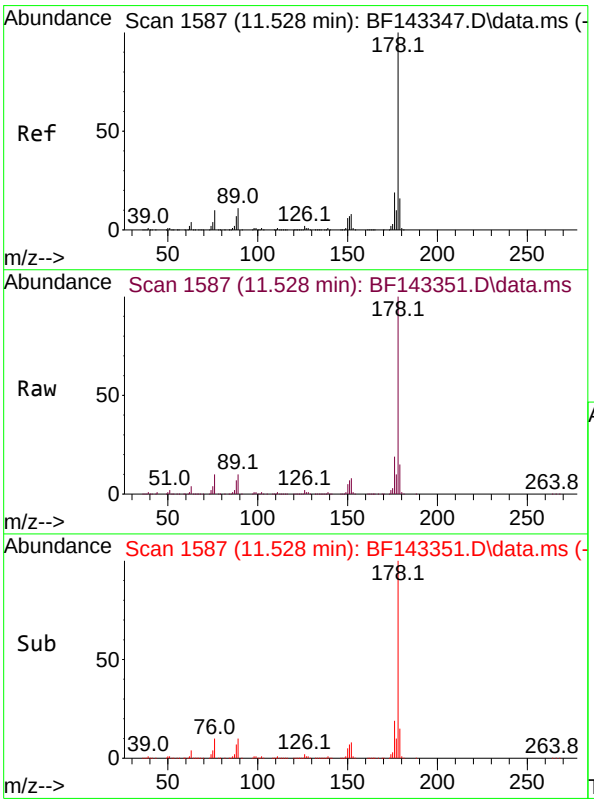
#71
Phenanthrene
Concen: 38.330 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:178 Resp: 1060892

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.5	12.5	18.7

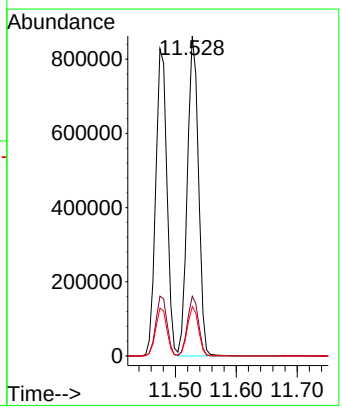


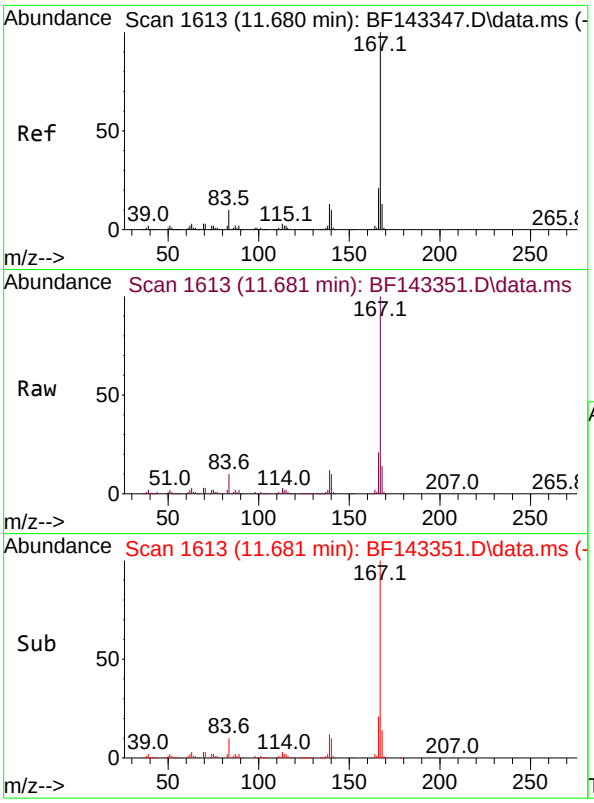


#72
Anthracene
Concen: 38.834 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:178 Resp: 1090047

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.7	19.1



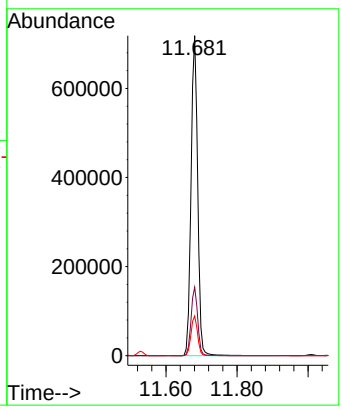


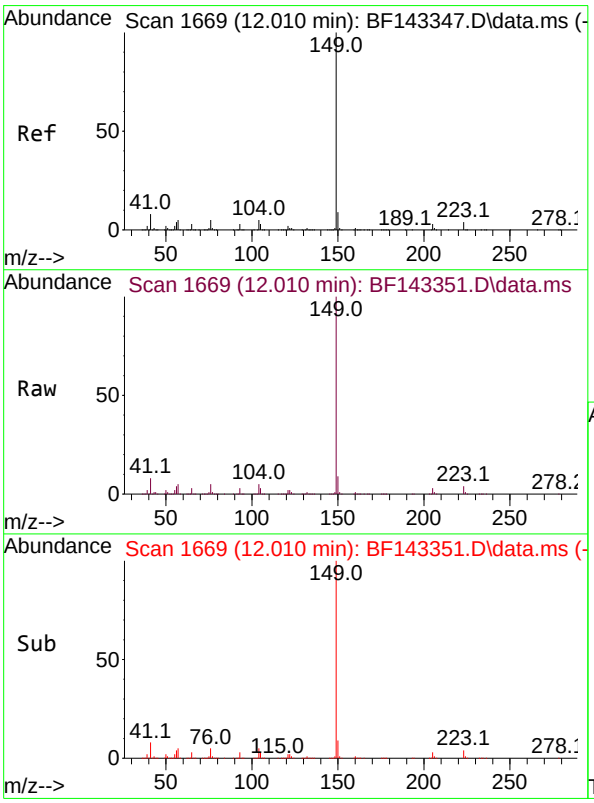
#73
Carbazole
Concen: 38.877 ng
RT: 11.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:167 Resp: 929366

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.8	25.2
139	12.4	10.2	15.2

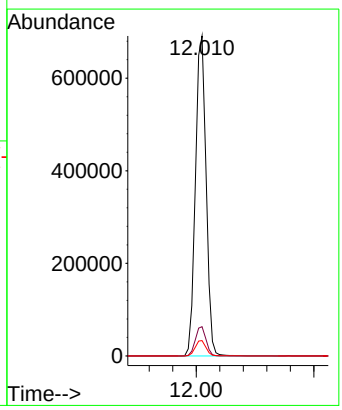


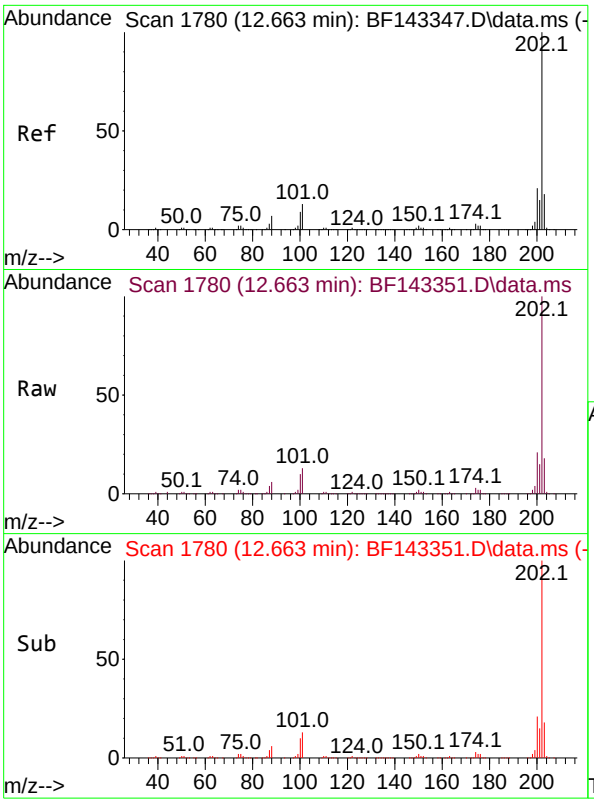


#74
Di-n-butylphthalate
Concen: 43.060 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 871054

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	4.8	3.8	5.8



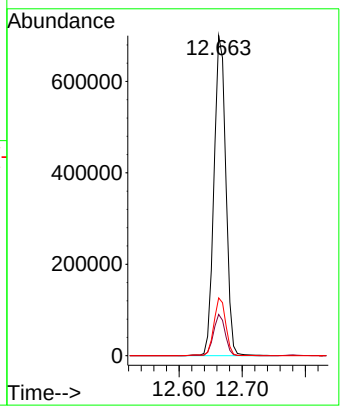


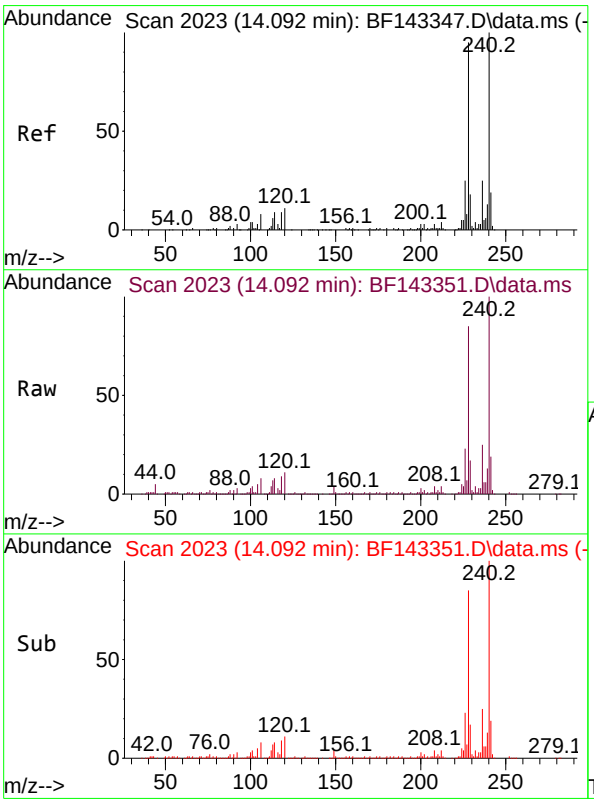
#75
Fluoranthene
Concen: 37.543 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:202 Resp: 910203

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	18.1	0.0	37.6

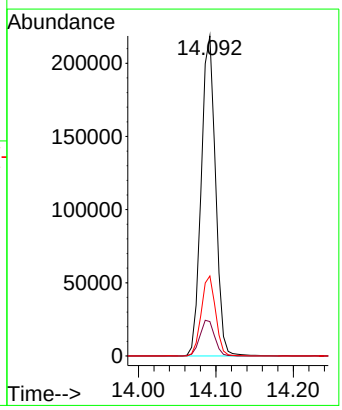


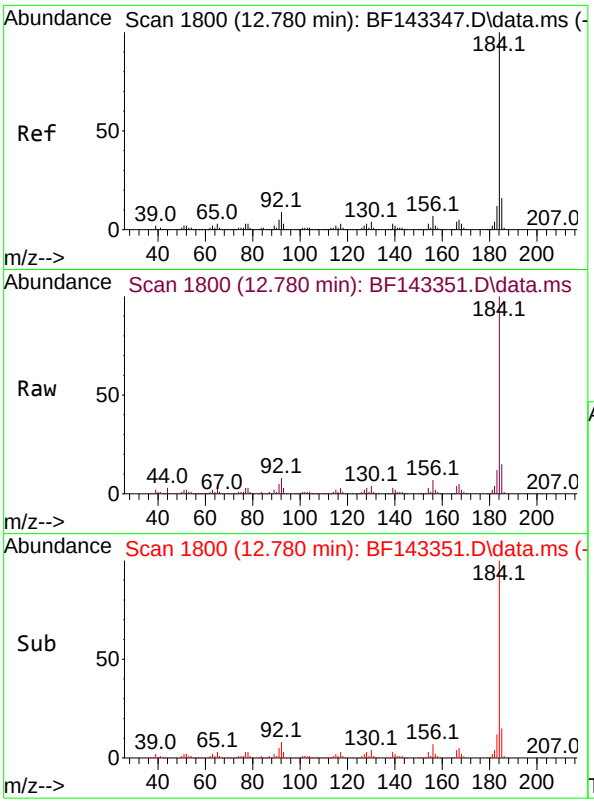


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:240 Resp: 280276

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	25.0	19.9	29.9



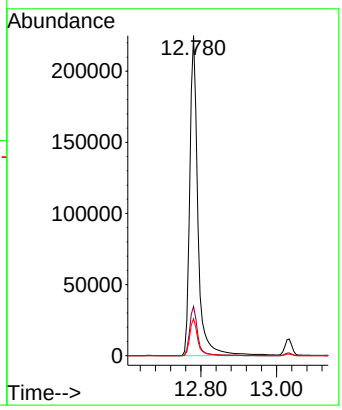


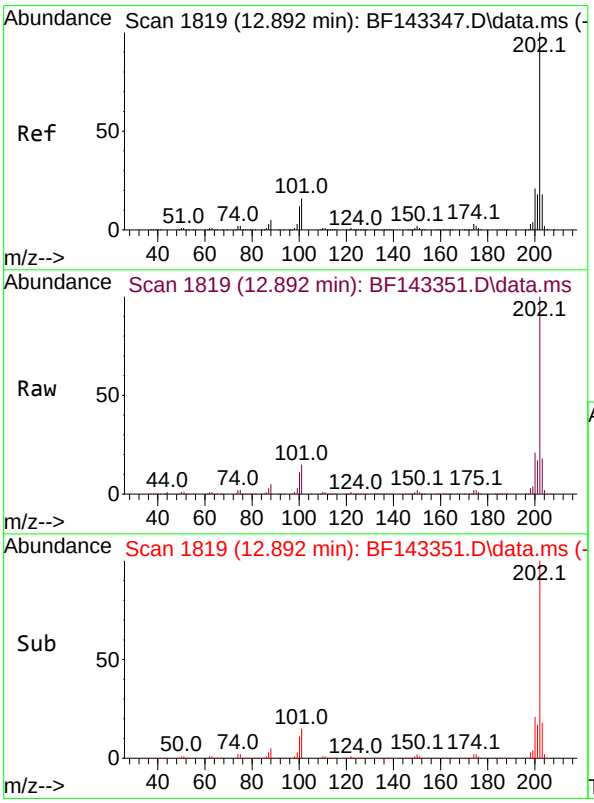
#77
Benzidine
Concen: 43.872 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:184 Resp: 336170

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.8	19.2
183	11.5	9.3	13.9

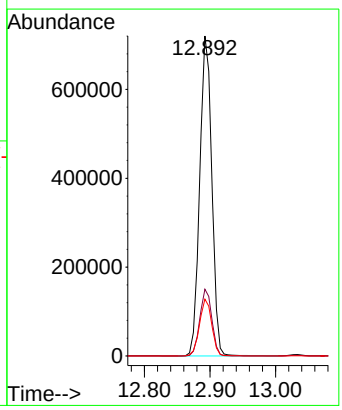


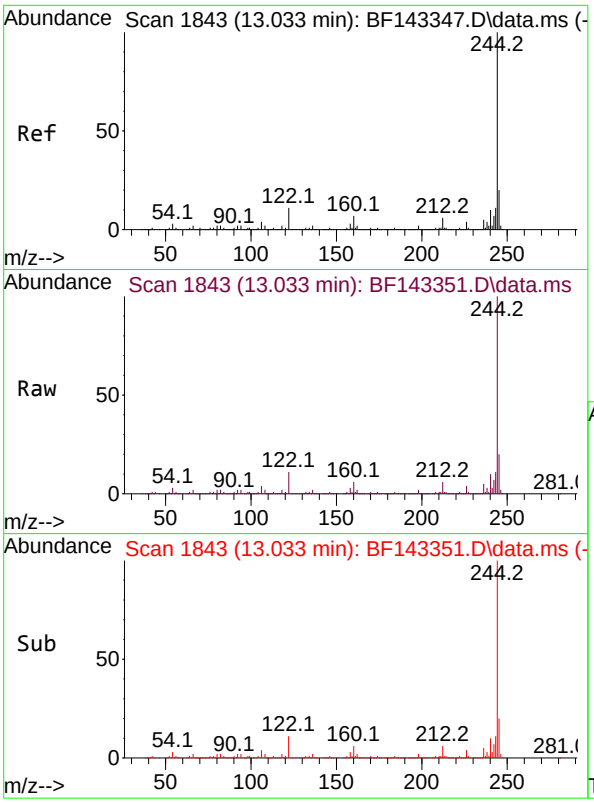


#78
Pyrene
Concen: 39.329 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:202 Resp: 924712

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.7	14.2	21.4



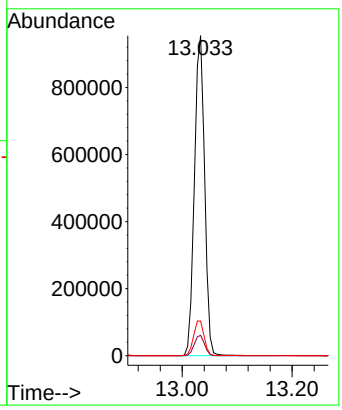


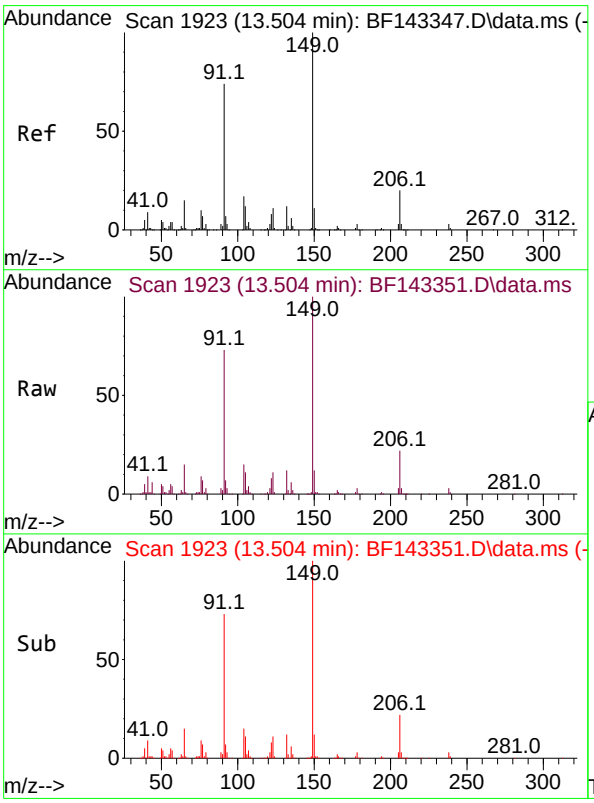
#79
Terphenyl-d14
Concen: 78.222 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:244 Resp: 1227991

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	10.8	8.9	13.3

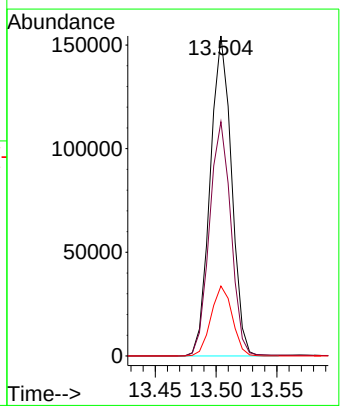


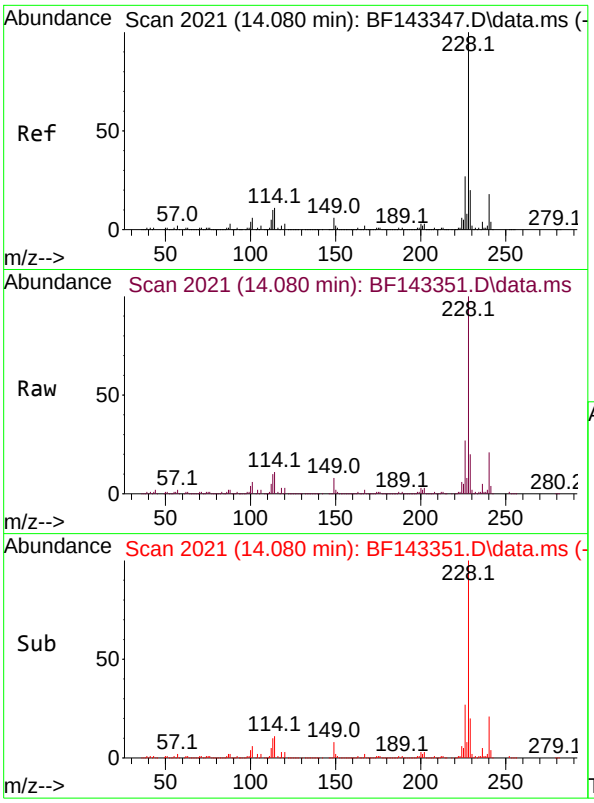


#80
Butylbenzylphthalate
Concen: 41.012 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 188120

Ion	Ratio	Lower	Upper
149	100		
91	73.2	58.8	88.2
206	21.8	16.4	24.6



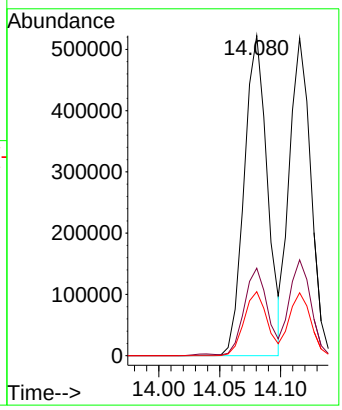


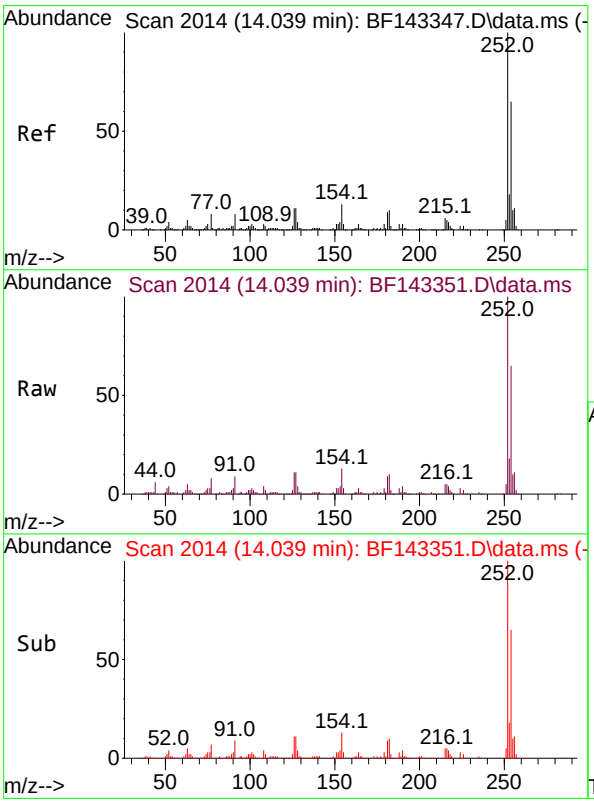
#81
Benzo(a)anthracene
Concen: 38.956 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:228 Resp: 693960

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.0	33.0
229	20.0	15.8	23.8

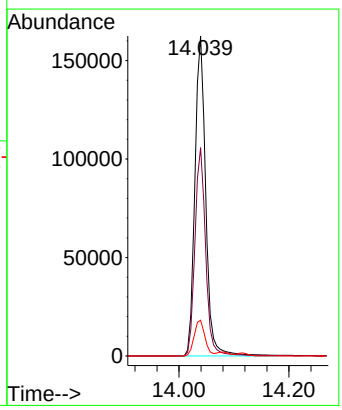


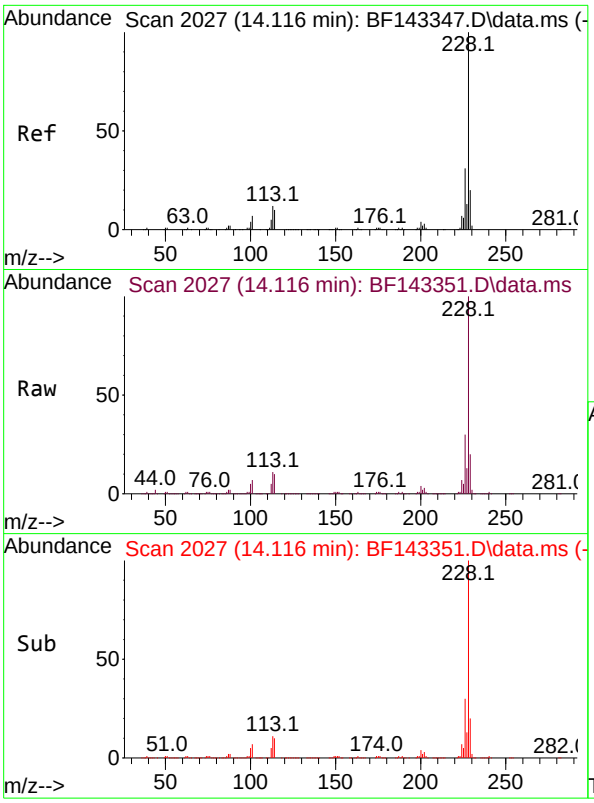


#82
3,3'-Dichlorobenzidine
Concen: 46.252 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 222482

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	11.2	9.2	13.8



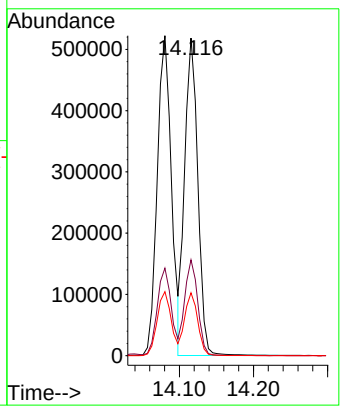


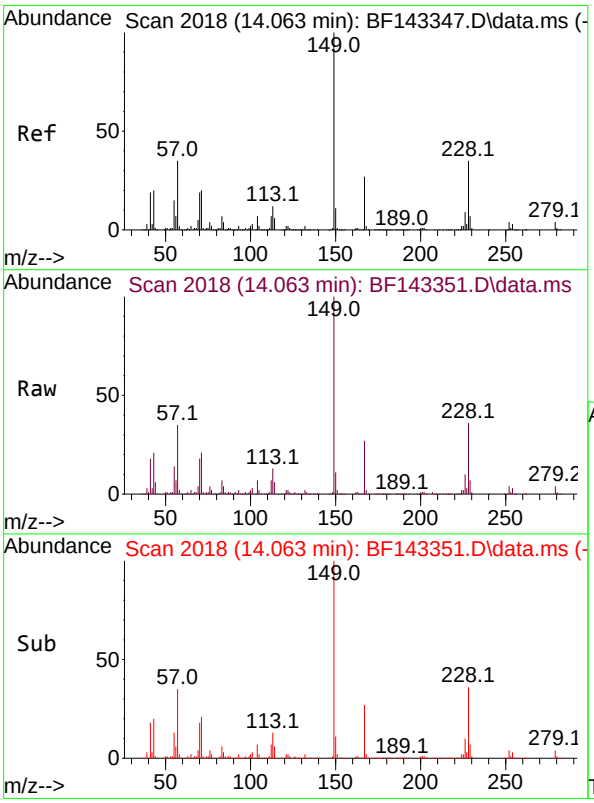
#83
Chrysene
Concen: 38.503 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:228 Resp: 639568

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.8	15.8	23.6

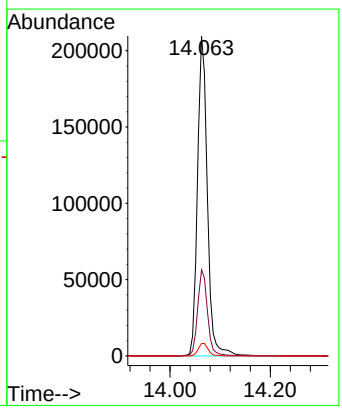


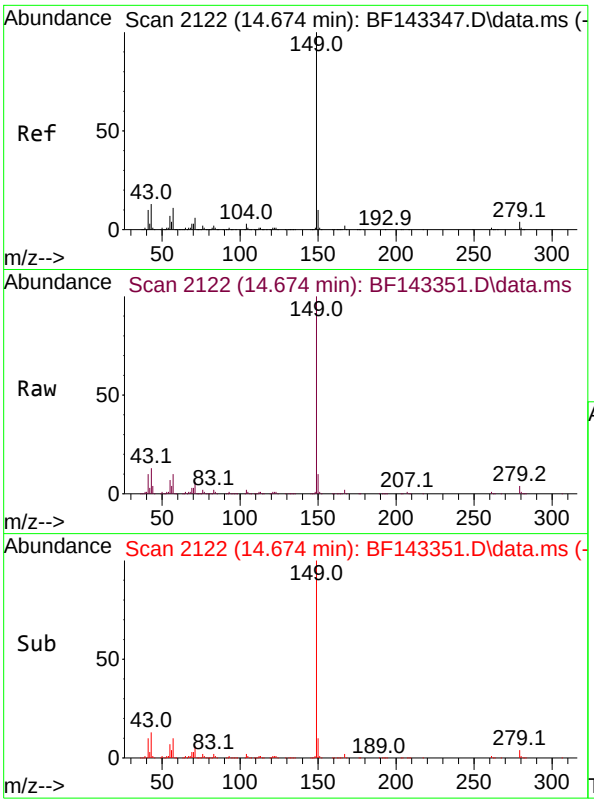


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.315 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:149 Resp: 285665

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	3.9	3.2	4.8



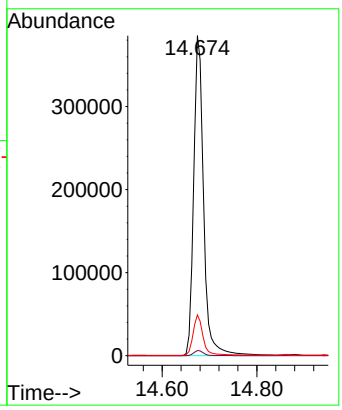


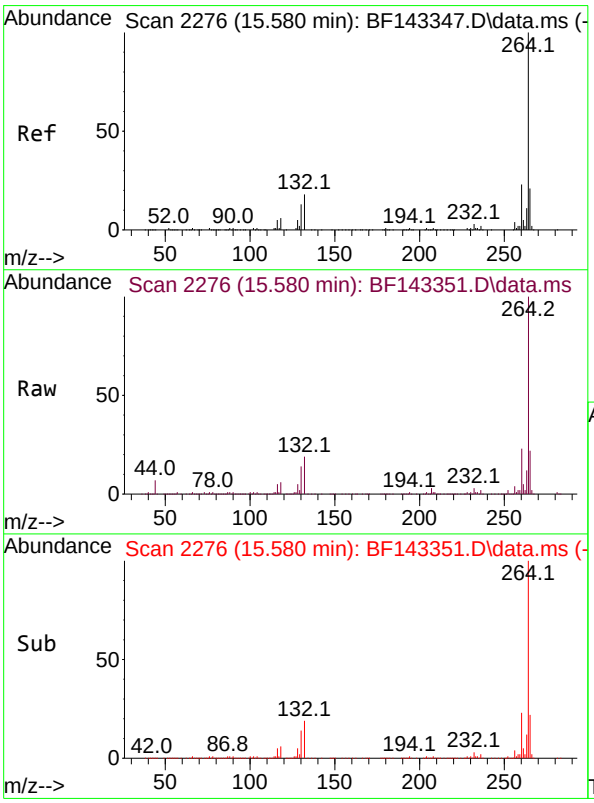
#85
Di-n-octyl phthalate
Concen: 42.219 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:149 Resp: 563193

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.6	10.8	16.2

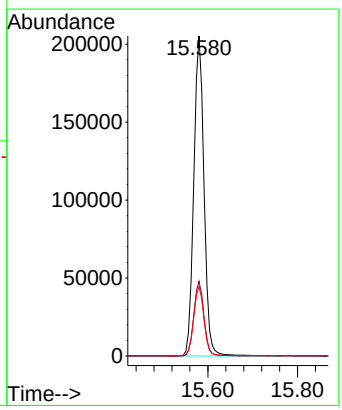


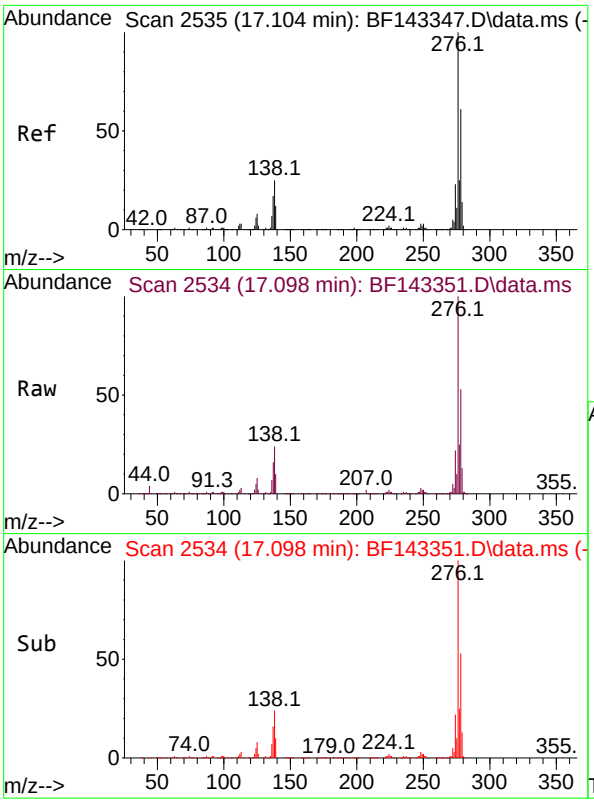


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:264 Resp: 324835

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.7	17.2	25.8



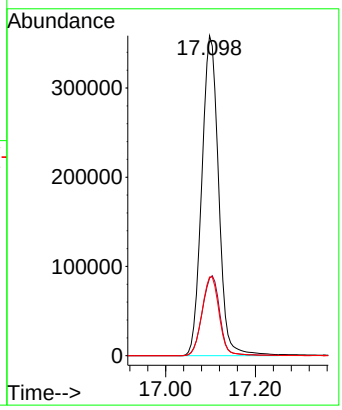


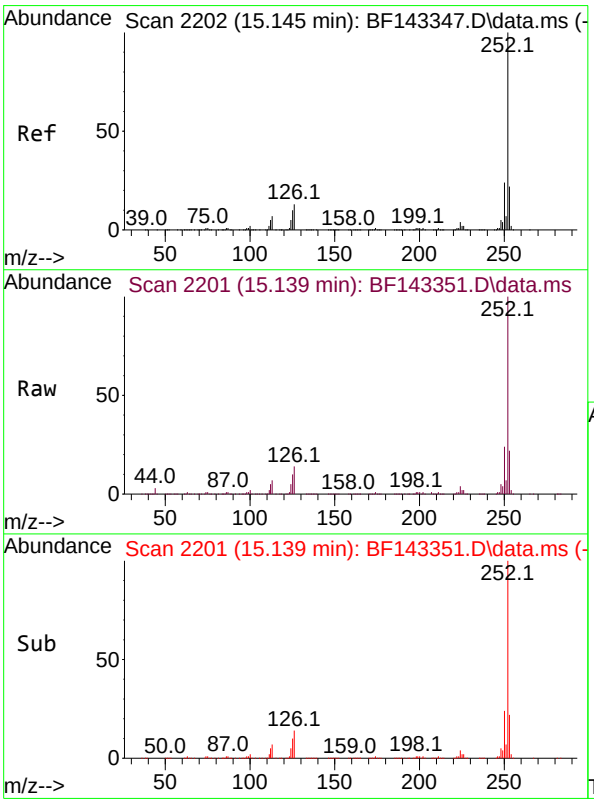
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.136 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:276 Resp: 934056

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.1	31.7
277	25.2	20.2	30.2

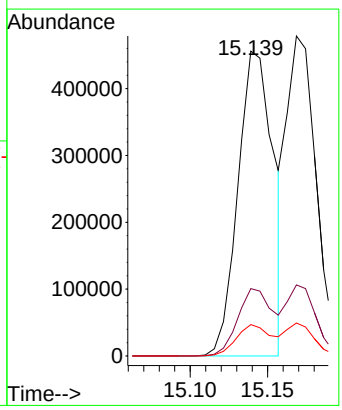


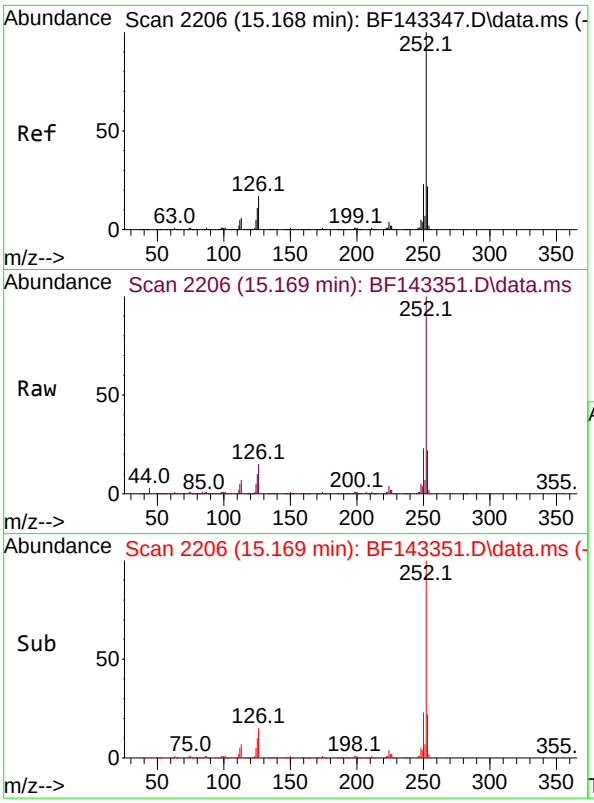


#88
Benzo(b)fluoranthene
Concen: 40.856 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 725882

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.3	7.8	11.6



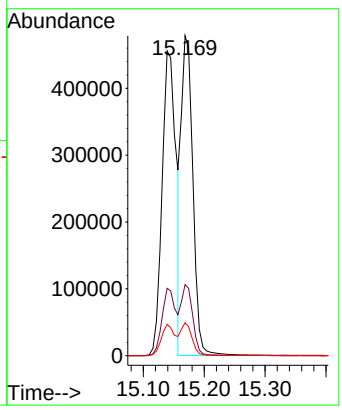


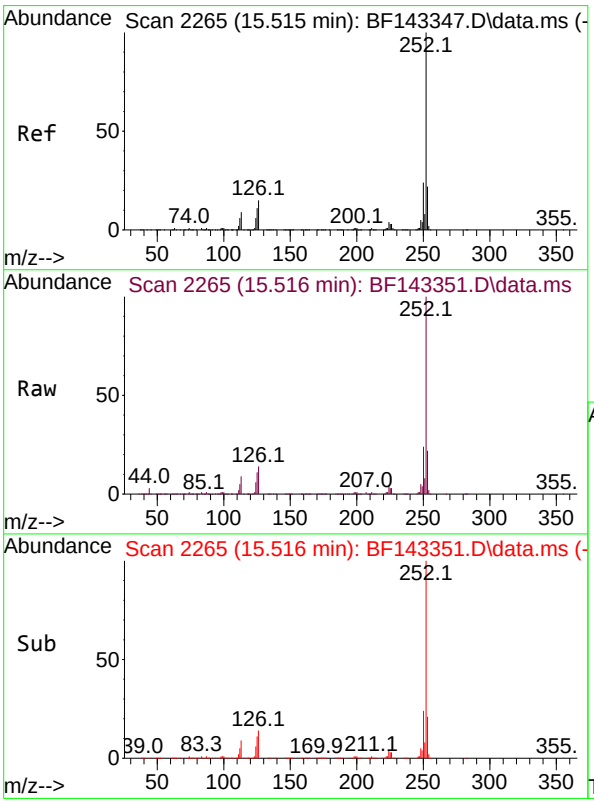
#89
Benzo(k)fluoranthene
Concen: 37.064 ng
RT: 15.169 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:252 Resp: 639883

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.3	8.4	12.6

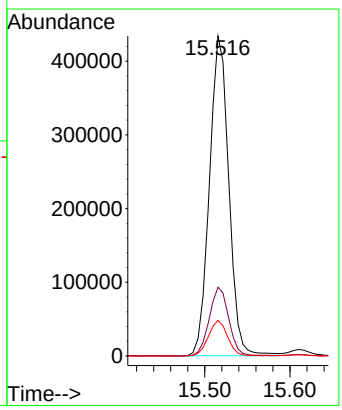


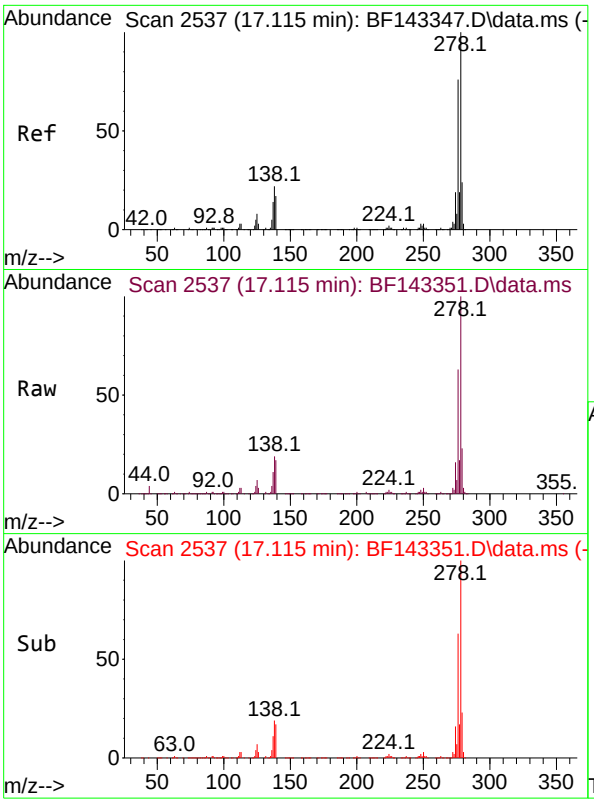


#90
Benzo(a)pyrene
Concen: 41.027 ng
RT: 15.516 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:252 Resp: 686526

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	11.1	9.1	13.7



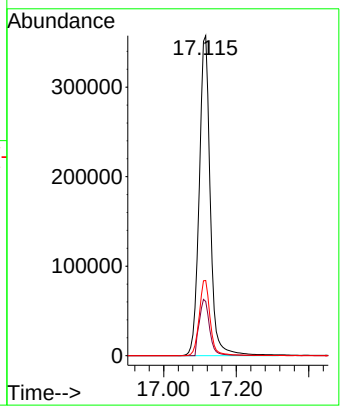


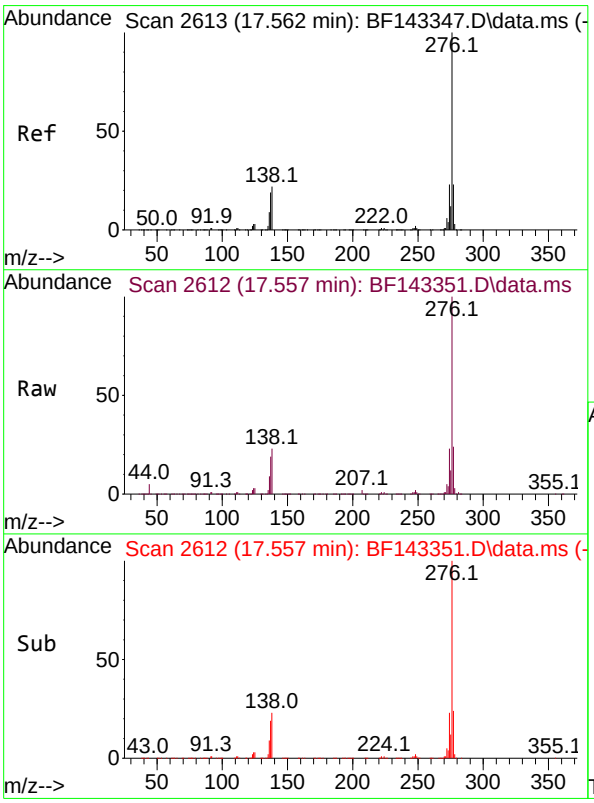
#91
Dibenzo(a,h)anthracene
Concen: 40.736 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Tgt Ion:278 Resp: 757376

Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.0	21.0
279	23.5	19.4	29.0

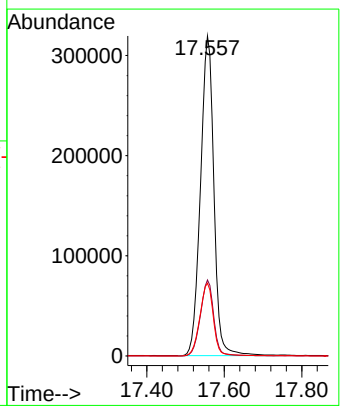




#92
Benzo(g,h,i)perylene
Concen: 41.001 ng
RT: 17.557 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143351.D
Acq: 12 Aug 2025 13:52

Tgt Ion:276 Resp: 767923

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	22.8	17.8	26.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 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	97	0.00
2		1,4-Dioxane	0.598	0.557	6.9	91	0.00
3		Pyridine	1.595	1.545	3.1	93	0.00
4		n-Nitrosodimethylamine	0.743	0.769	-3.5	99	0.00
5	S	2-Fluorophenol	1.157	1.115	3.6	92	0.00
6		Aniline	2.091	2.122	-1.5	97	0.00
7	S	Phenol-d6	1.483	1.409	5.0	91	0.00
8		2-Chlorophenol	1.236	1.268	-2.6	98	0.00
9		Benzaldehyde	0.980	0.989	-0.9	95	0.00
10	C	Phenol	1.757	1.768	-0.6	97	0.00
11		bis(2-Chloroethyl)ether	1.295	1.263	2.5	94	0.00
12		1,3-Dichlorobenzene	1.425	1.419	0.4	96	0.00
13	C	1,4-Dichlorobenzene	1.431	1.436	-0.3	99	0.00
14		1,2-Dichlorobenzene	1.358	1.371	-1.0	99	0.00
15		Benzyl Alcohol	1.063	1.125	-5.8	101	0.00
16		2,2'-oxybis(1-Chloropropane	2.312	2.300	0.5	97	0.00
17		2-Methylphenol	1.043	1.067	-2.3	98	0.00
18		Hexachloroethane	0.449	0.475	-5.8	100	0.00
19	P	n-Nitroso-di-n-propylamine	0.916	0.915	0.1	98	0.00
20		3+4-Methylphenols	1.262	1.296	-2.7	98	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22		Acetophenone	0.441	0.440	0.2	99	0.00
23	S	Nitrobenzene-d5	0.321	0.334	-4.0	96	0.00
24		Nitrobenzene	0.349	0.357	-2.3	96	0.00
25		Isophorone	0.656	0.651	0.8	98	0.00
26	C	2-Nitrophenol	0.118	0.150	-27.1#	115	0.00
27		2,4-Dimethylphenol	0.274	0.304	-10.9	105	0.00
28		bis(2-Chloroethoxy)methane	0.400	0.397	0.8	97	0.00
29	C	2,4-Dichlorophenol	0.267	0.276	-3.4	97	0.00
30		1,2,4-Trichlorobenzene	0.282	0.289	-2.5	101	0.00
31		Naphthalene	0.962	0.923	4.1	95	0.00
32		Benzoic acid	0.110	0.124	-12.7	111	0.00
33		4-Chloroaniline	0.347	0.387	-11.5	109	0.00
34	C	Hexachlorobutadiene	0.175	0.173	1.1	95	0.00
35		Caprolactam	0.075	0.079	-5.3	97	0.00
36	C	4-Chloro-3-methylphenol	0.280	0.285	-1.8	96	0.00
37		2-Methylnaphthalene	0.633	0.558	11.8	87	0.00
38		1-Methylnaphthalene	0.609	0.578	5.1	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.547	0.537	1.8	98	0.00
41	P	Hexachlorocyclopentadiene	0.158	0.237	-50.0#	140	0.00
42	S	2,4,6-Tribromophenol	0.146	0.155	-6.2	96	0.00
43	C	2,4,6-Trichlorophenol	0.311	0.333	-7.1	98	0.00
44		2,4,5-Trichlorophenol	0.351	0.362	-3.1	95	0.00
45	S	2-Fluorobiphenyl	1.179	1.093	7.3	95	0.00
46		1,1'-Biphenyl	1.414	1.372	3.0	97	0.00
47		2-Chloronaphthalene	1.114	1.061	4.8	96	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 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	0.284	0.336	-18.3	107	0.00
49		Acenaphthylene	1.608	1.709	-6.3	106	0.00
50		Dimethylphthalate	1.169	1.172	-0.3	98	0.00
51		2,6-Dinitrotoluene	0.193	0.248	-28.5#	115	0.00
52	C	Acenaphthene	1.069	1.013	5.2	95	0.00
53		3-Nitroaniline	0.239	0.285	-19.2	108	0.00
54	P	2,4-Dinitrophenol	0.065	0.082	-26.2#	123	0.00
55		Dibenzofuran	1.539	1.487	3.4	97	0.00
56	P	4-Nitrophenol	0.163	0.183	-12.3	104	0.00
57		2,4-Dinitrotoluene	0.256	0.317	-23.8	108	0.00
58		Fluorene	1.175	1.117	4.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.236	0.296	-25.4#	115	0.00
60		Diethylphthalate	1.047	1.055	-0.8	96	0.00
61		4-Chlorophenyl-phenylether	0.568	0.541	4.8	95	0.00
62		4-Nitroaniline	0.232	0.257	-10.8	102	0.00
63		Azobenzene	1.196	1.187	0.8	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.069	0.086	-24.6	119	0.00
66	c	n-Nitrosodiphenylamine	0.659	0.650	1.4	97	0.00
67		4-Bromophenyl-phenylether	0.229	0.226	1.3	96	0.00
68		Hexachlorobenzene	0.247	0.237	4.0	95	0.00
69		Atrazine	0.172	0.176	-2.3	97	0.00
70	C	Pentachlorophenol	0.101	0.107	-5.9	97	0.00
71		Phenanthrene	1.091	1.046	4.1	95	0.00
72		Anthracene	1.107	1.074	3.0	97	0.00
73		Carbazole	0.942	0.916	2.8	96	0.00
74		Di-n-butylphthalate	0.798	0.859	-7.6	97	0.00
75	C	Fluoranthene	0.956	0.897	6.2	96	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.00
77		Benzidine	0.547	0.600	-9.7	98	0.00
78		Pyrene	1.678	1.650	1.7	96	0.00
79	S	Terphenyl-d14	1.120	1.095	2.2	97	0.00
80		Butylbenzylphthalate	0.284	0.336	-18.3	107	0.00
81		Benzo(a)anthracene	1.271	1.238	2.6	95	0.00
82		3,3'-Dichlorobenzidine	0.343	0.397	-15.7	105	0.00
83		Chrysene	1.185	1.141	3.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	0.403	0.510	-26.6#	112	0.00
85	c	Di-n-octyl phthalate	0.860	1.005	-16.9	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.433	1.438	-0.3	98	0.00
88		Benzo(b)fluoranthene	1.094	1.117	-2.1	99	0.00
89		Benzo(k)fluoranthene	1.063	0.985	7.3	94	0.00
90	C	Benzo(a)pyrene	1.030	1.057	-2.6	101	0.00
91		Dibenzo(a,h)anthracene	1.145	1.166	-1.8	99	0.00
92		Benzo(g,h,i)perylene	1.153	1.182	-2.5	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 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	97	0.00
2		1,4-Dioxane	40.000	37.259	6.9	91	0.00
3		Pyridine	40.000	38.741	3.1	93	0.00
4		n-Nitrosodimethylamine	40.000	41.403	-3.5	99	0.00
5	S	2-Fluorophenol	80.000	77.155	3.6	92	0.00
6		Aniline	40.000	40.597	-1.5	97	0.00
7	S	Phenol-d6	80.000	75.986	5.0	91	0.00
8		2-Chlorophenol	40.000	41.033	-2.6	98	0.00
9		Benzaldehyde	40.000	40.346	-0.9	95	0.00
10	C	Phenol	40.000	40.258	-0.6	97	0.00
11		bis(2-Chloroethyl)ether	40.000	39.024	2.4	94	0.00
12		1,3-Dichlorobenzene	40.000	39.813	0.5	96	0.00
13	C	1,4-Dichlorobenzene	40.000	40.160	-0.4	99	0.00
14		1,2-Dichlorobenzene	40.000	40.389	-1.0	99	0.00
15		Benzyl Alcohol	40.000	42.327	-5.8	101	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.787	0.5	97	0.00
17		2-Methylphenol	40.000	40.922	-2.3	98	0.00
18		Hexachloroethane	40.000	42.342	-5.9	100	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.940	0.2	98	0.00
20		3+4-Methylphenols	40.000	41.105	-2.8	98	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22		Acetophenone	40.000	39.985	0.0	99	0.00
23	S	Nitrobenzene-d5	80.000	83.164	-4.0	96	0.00
24		Nitrobenzene	40.000	40.919	-2.3	96	0.00
25		Isophorone	40.000	39.728	0.7	98	0.00
26	C	2-Nitrophenol	40.000	43.318	-8.3	115	0.00
27		2,4-Dimethylphenol	40.000	44.394	-11.0	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.714	0.7	97	0.00
29	C	2,4-Dichlorophenol	40.000	41.289	-3.2	97	0.00
30		1,2,4-Trichlorobenzene	40.000	41.017	-2.5	101	0.00
31		Naphthalene	40.000	38.372	4.1	95	0.00
32		Benzoic acid	40.000	43.285	-8.2	111	0.00
33		4-Chloroaniline	40.000	44.618	-11.5	109	0.00
34	C	Hexachlorobutadiene	40.000	39.366	1.6	95	0.00
35		Caprolactam	40.000	41.892	-4.7	97	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.717	-1.8	96	0.00
37		2-Methylnaphthalene	40.000	35.270	11.8	87	0.00
38		1-Methylnaphthalene	40.000	37.970	5.1	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.218	2.0	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	51.644	-29.1#	140	0.00
42	S	2,4,6-Tribromophenol	80.000	84.868	-6.1	96	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.843	-7.1	98	0.00
44		2,4,5-Trichlorophenol	40.000	41.305	-3.3	95	0.00
45	S	2-Fluorobiphenyl	80.000	74.116	7.4	95	0.00
46		1,1'-Biphenyl	40.000	38.812	3.0	97	0.00
47		2-Chloronaphthalene	40.000	38.093	4.8	96	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.167	-5.4	107	0.00
49		Acenaphthylene	40.000	42.507	-6.3	106	0.00
50		Dimethylphthalate	40.000	40.126	-0.3	98	0.00
51		2,6-Dinitrotoluene	40.000	45.012	-12.5	115	0.00
52	C	Acenaphthene	40.000	37.893	5.3	95	0.00
53		3-Nitroaniline	40.000	47.593	-19.0	108	0.00
54	P	2,4-Dinitrophenol	40.000	45.910	-14.8	123	0.00
55		Dibenzofuran	40.000	38.652	3.4	97	0.00
56	P	4-Nitrophenol	40.000	41.060	-2.7	104	0.00
57		2,4-Dinitrotoluene	40.000	43.458	-8.6	108	0.00
58		Fluorene	40.000	38.022	4.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	50.091	-25.2#	115	0.00
60		Diethylphthalate	40.000	40.317	-0.8	96	0.00
61		4-Chlorophenyl-phenylether	40.000	38.123	4.7	95	0.00
62		4-Nitroaniline	40.000	44.317	-10.8	102	0.00
63		Azobenzene	40.000	39.721	0.7	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.535	-8.8	119	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.468	1.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.466	1.3	96	0.00
68		Hexachlorobenzene	40.000	38.460	3.8	95	0.00
69		Atrazine	40.000	40.936	-2.3	97	0.00
70	C	Pentachlorophenol	40.000	38.771	3.1	97	0.00
71		Phenanthrene	40.000	38.330	4.2	95	0.00
72		Anthracene	40.000	38.834	2.9	97	0.00
73		Carbazole	40.000	38.877	2.8	96	0.00
74		Di-n-butylphthalate	40.000	43.060	-7.7	97	0.00
75	C	Fluoranthene	40.000	37.543	6.1	96	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.00
77		Benzidine	40.000	43.872	-9.7	98	0.00
78		Pyrene	40.000	39.329	1.7	96	0.00
79	S	Terphenyl-d14	80.000	78.222	2.2	97	0.00
80		Butylbenzylphthalate	40.000	41.012	-2.5	107	0.00
81		Benzo(a)anthracene	40.000	38.956	2.6	95	0.00
82		3,3'-Dichlorobenzidine	40.000	46.252	-15.6	105	0.00
83		Chrysene	40.000	38.503	3.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.315	-5.8	112	0.00
85	c	Di-n-octyl phthalate	40.000	42.219	-5.5	109	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.136	-0.3	98	0.00
88		Benzo(b)fluoranthene	40.000	40.856	-2.1	99	0.00
89		Benzo(k)fluoranthene	40.000	37.064	7.3	94	0.00
90	C	Benzo(a)pyrene	40.000	41.027	-2.6	101	0.00
91		Dibenzo(a,h)anthracene	40.000	40.736	-1.8	99	0.00
92		Benzo(g,h,i)perylene	40.000	41.001	-2.5	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143351.D
Acq On : 12 Aug 2025 13:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF081225

Quant Time: Aug 12 14:13:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

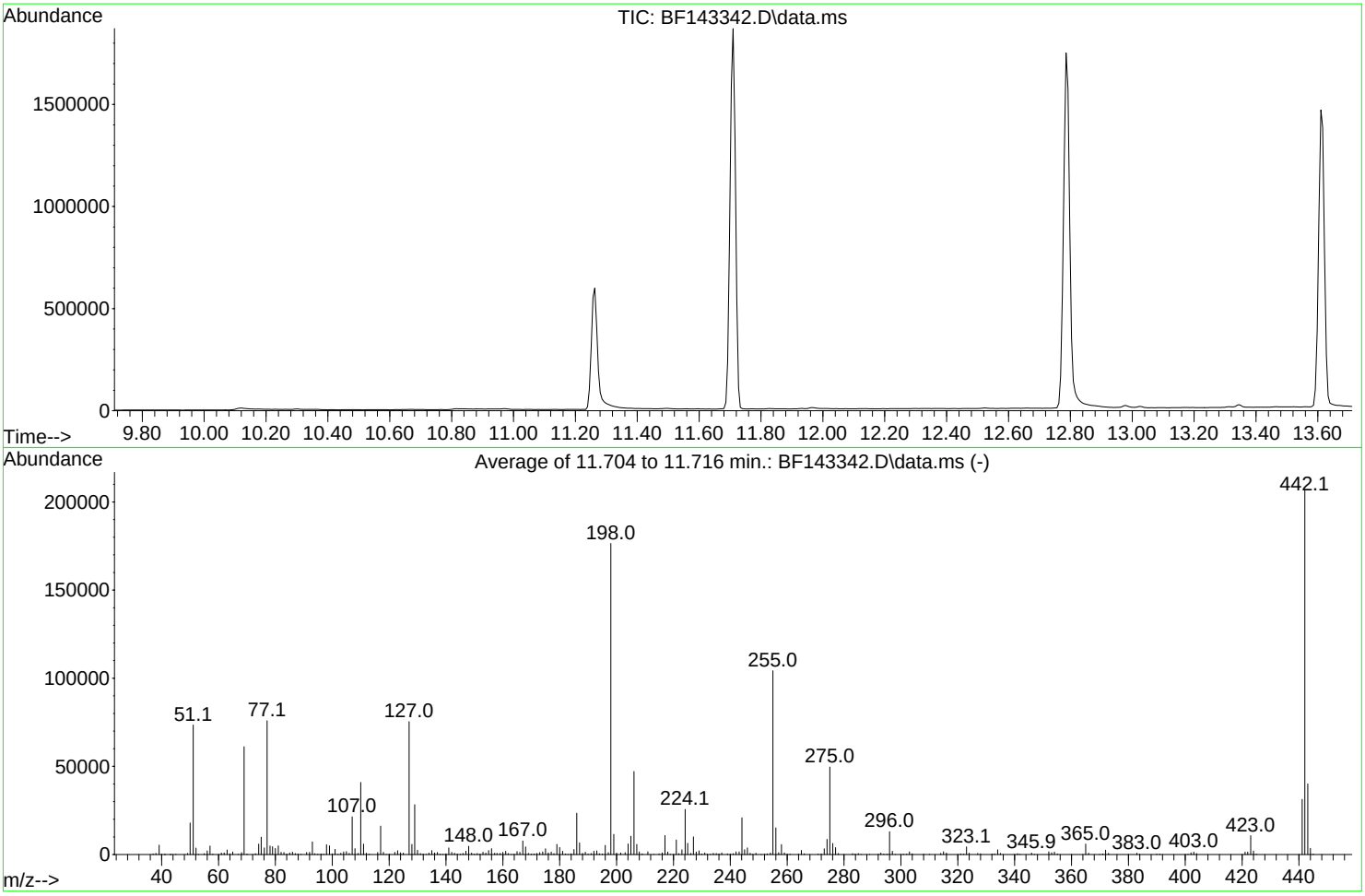
Sample Results: **BF143342.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
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-BF081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Aug 12 13:25:39 2025



AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	1075	PASS
69	69	100	100	100.0	61205	PASS
70	69	0.00	2	0.5	326	PASS
197	198	0.00	2	0.6	1092	PASS
198	198	100	100	100.0	176469	PASS
199	198	5	9	6.5	11438	PASS
365	198	1	100	3.4	5927	PASS
441	443	0.01	150	77.9	31269	PASS
442	442	100	100	100.0	206464	PASS
443	442	15	24	19.4	40120	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/12/2025	BNA_F	BF143342.D
Compound Name	**Response**	**Retention Time**
DDT	266385	13.61
DDD	3780	13.345
DDE	3356	12.98
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7136	273521	2.61

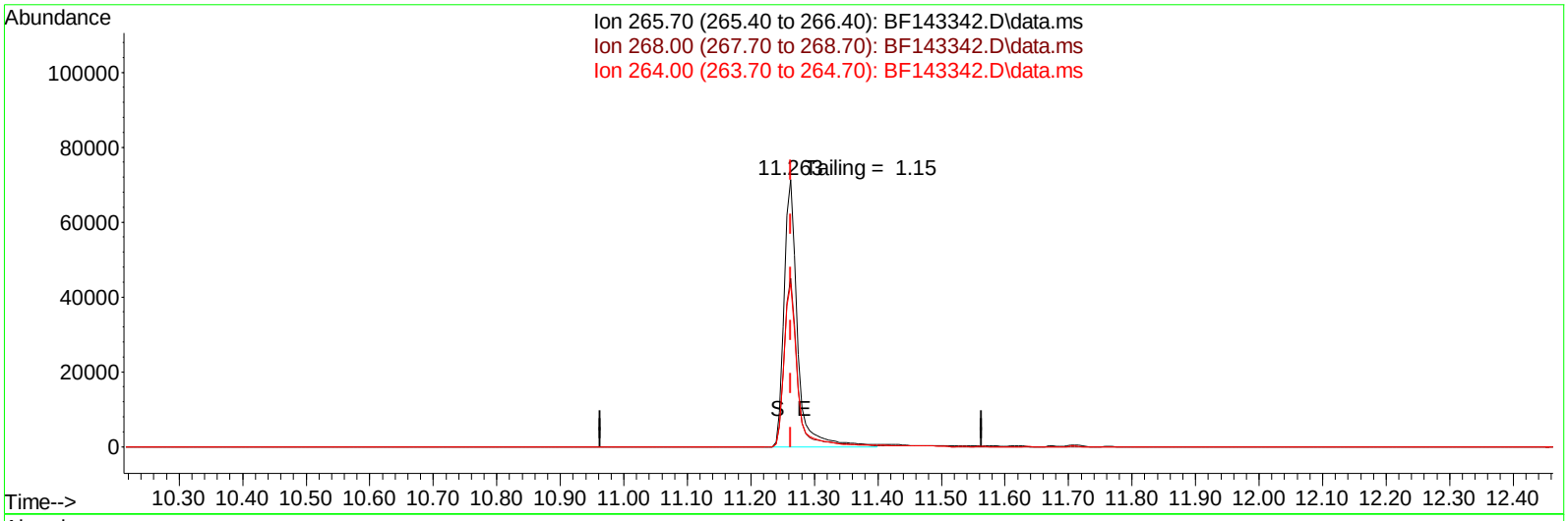
Instrument :
BNA_F
ClientSampleId :
DFTPP

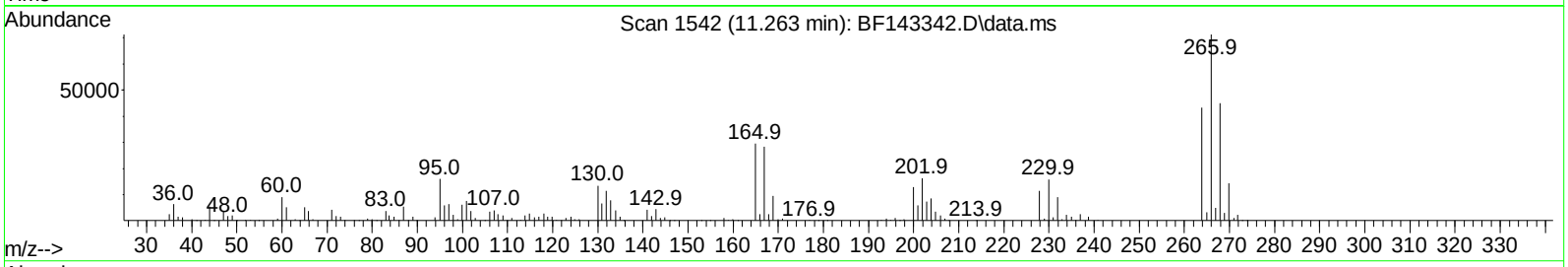
Sample Results: **BF143342.D**

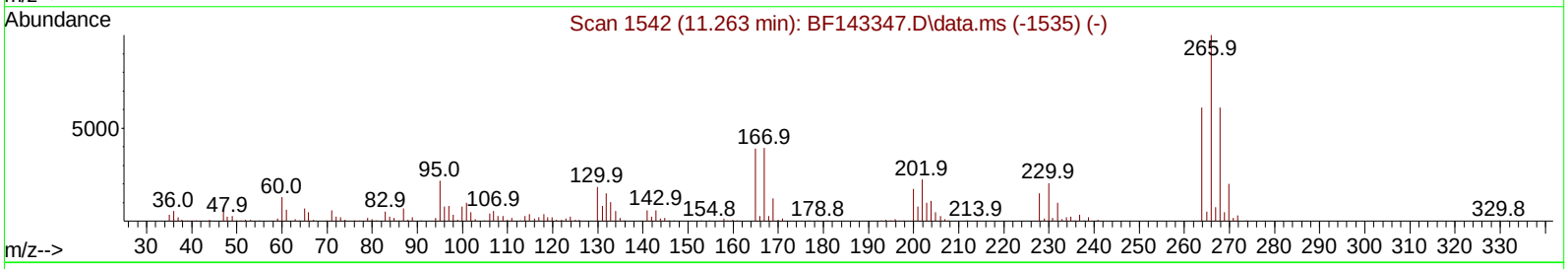
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration







TIC: BF143342.D\data.ms

(70) Pentachlorophenol (C)

11.263min (-0.000) 127995.01 ng

response 106759

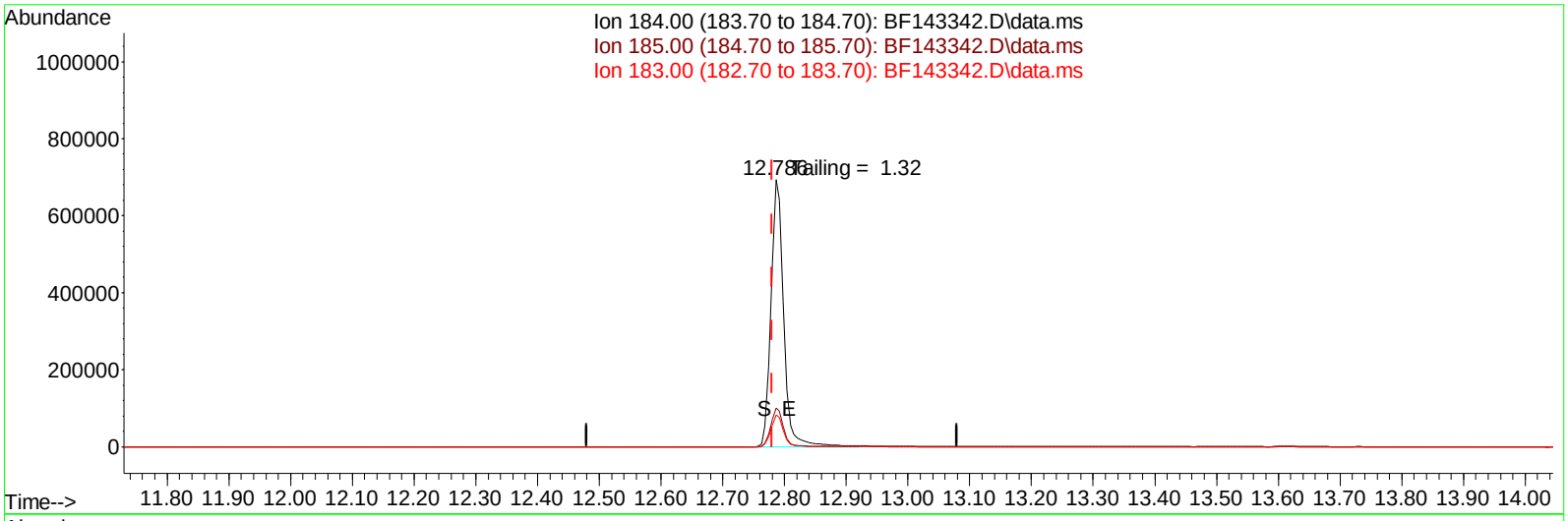
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.00	63.14
264.00	61.00	60.85
0.00	0.00	0.00

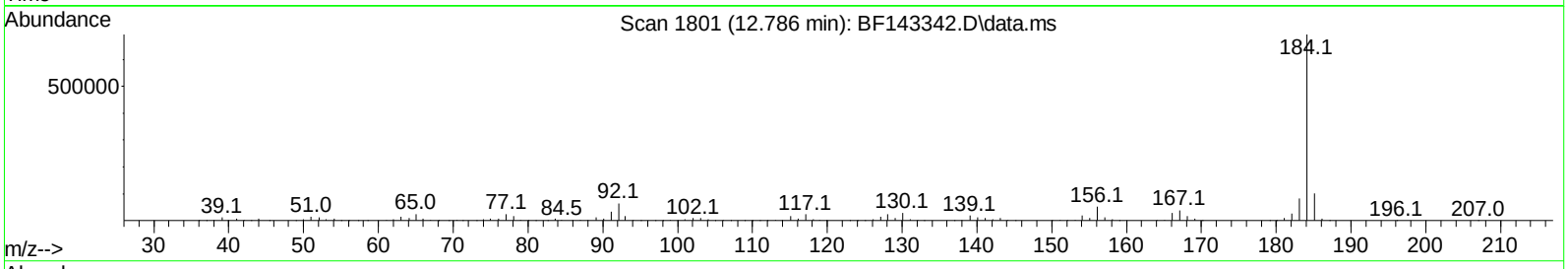
Sample Results: **BF143342.D**

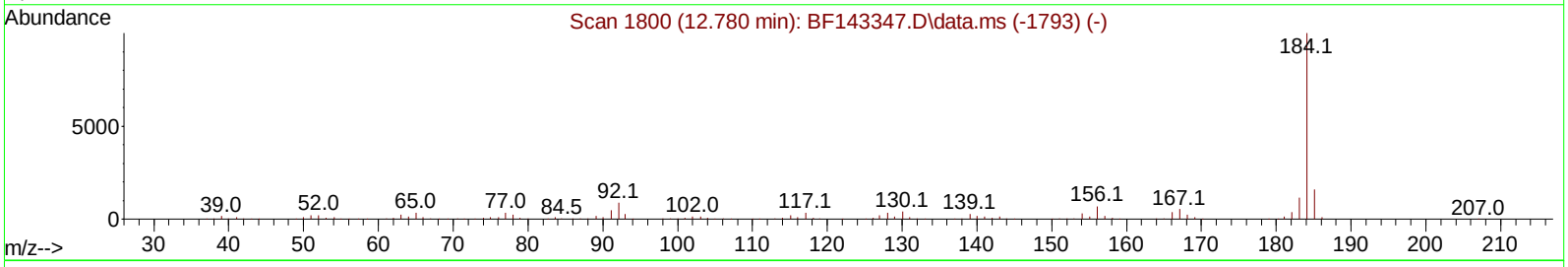
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143342.D
Acq On : 12 Aug 2025 08:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 12 13:28:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration







TIC: BF143342.D\data.ms

(77) Benzidine

12.786min (+ 0.006) 0.00 ng

response 1006924

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	16.00	14.63
183.00	11.60	11.87
0.00	0.00	0.00

Raw Data: **BF143352.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Girard School - PA			Date Received:	
Client Sample ID:	PB169189BL			SDG No.:	Q2807
Lab Sample ID:	PB169189BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143352.D	1	08/11/25 09:32	08/12/25 14:22	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	95.5		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		20 - 109	85%	SPK: 100
1718-51-0	Terphenyl-d14	97.6		10 - 105	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	165000	6.928			
1146-65-2	Naphthalene-d8	636000	8.21			
15067-26-2	Acenaphthene-d10	350000	9.963			
1517-22-2	Phenanthrene-d10	577000	11.451			
1719-03-5	Chrysene-d12	343000	14.086			
1520-96-3	Perylene-d12	275000	15.58			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Girard School - PA			Date Received:	
Client Sample ID:	PB169189BL			SDG No.:	Q2807
Lab Sample ID:	PB169189BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143352.D	1	08/11/25 09:32	08/12/25 14:22	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143352.D
Acq On : 12 Aug 2025 14:22
Operator : RC/JU
Sample : PB169189BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Quant Time: Aug 12 15:10:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

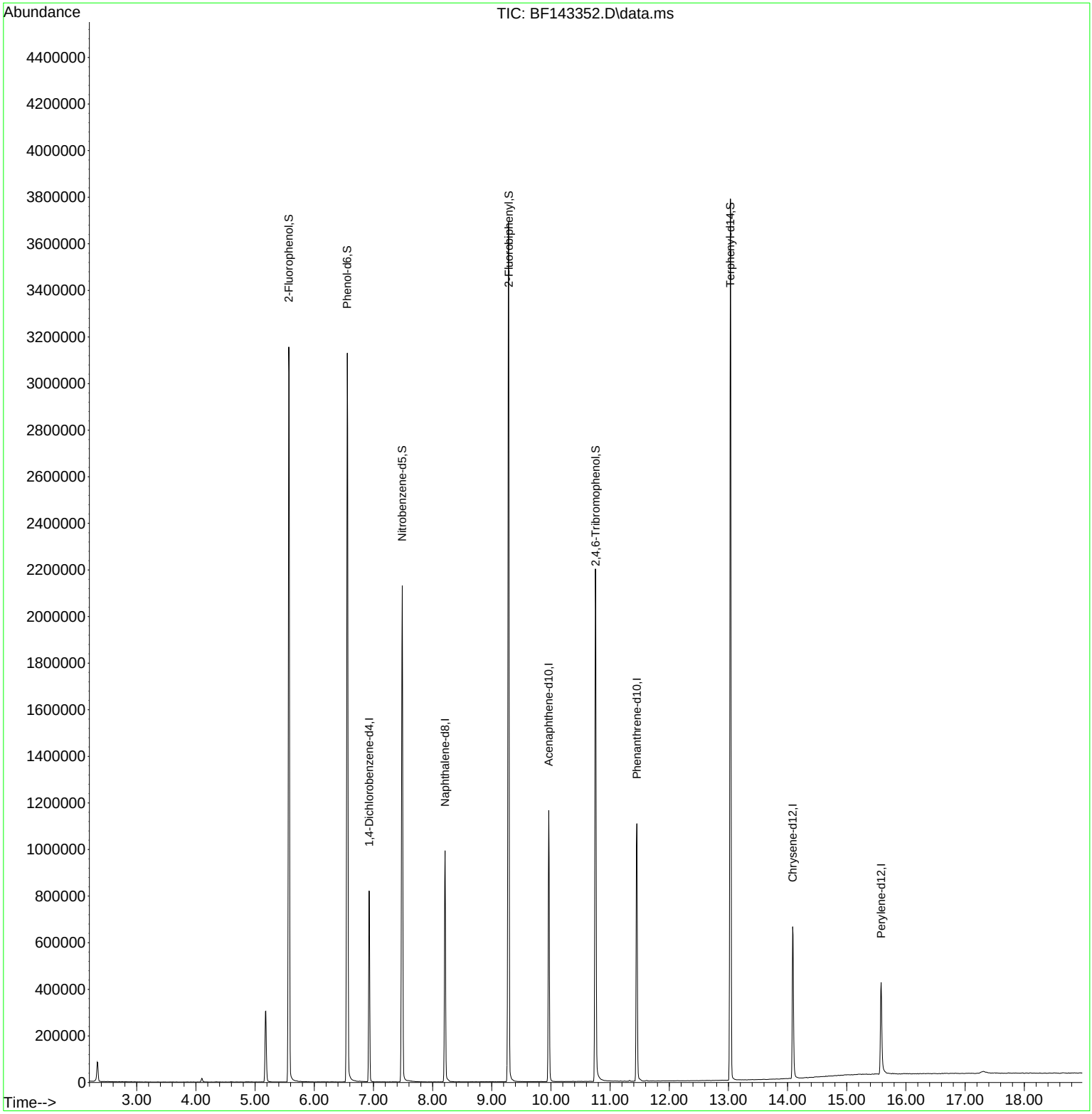
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	164595	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	636089	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	350207	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	576646	20.000	ng	0.00
76) Chrysene-d12	14.086	240	343112	20.000	ng	0.00
86) Perylene-d12	15.580	264	274972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1191036	125.132	ng	0.00
7) Phenol-d6	6.557	99	1531883	125.503	ng	0.00
23) Nitrobenzene-d5	7.487	82	975908	95.542	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	404753	158.144	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1748683	84.674	ng	0.00
79) Terphenyl-d14	13.033	244	1875902	97.610	ng	0.00
Target Compounds						Qvalue

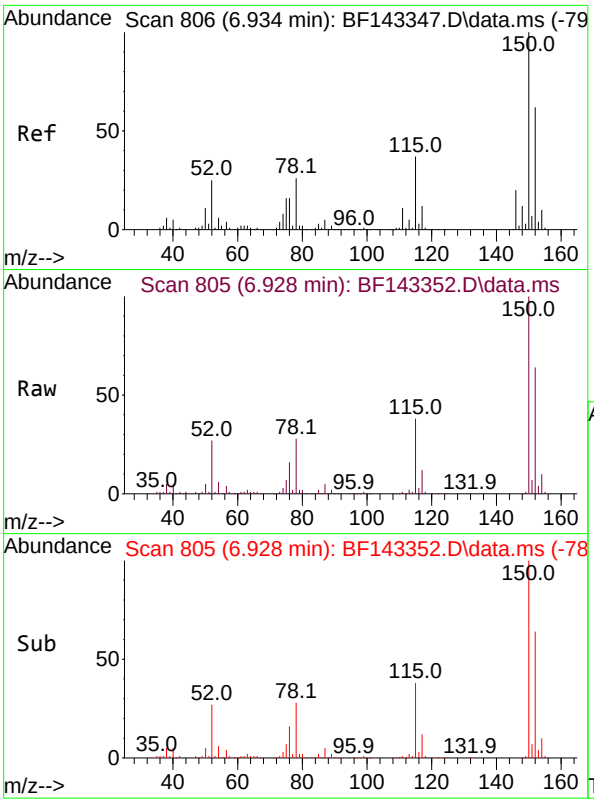
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143352.D
Acq On : 12 Aug 2025 14:22
Operator : RC/JU
Sample : PB169189BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Quant Time: Aug 12 15:10:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



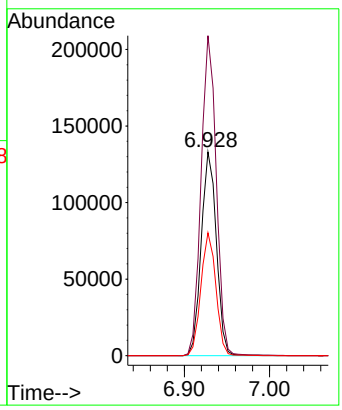


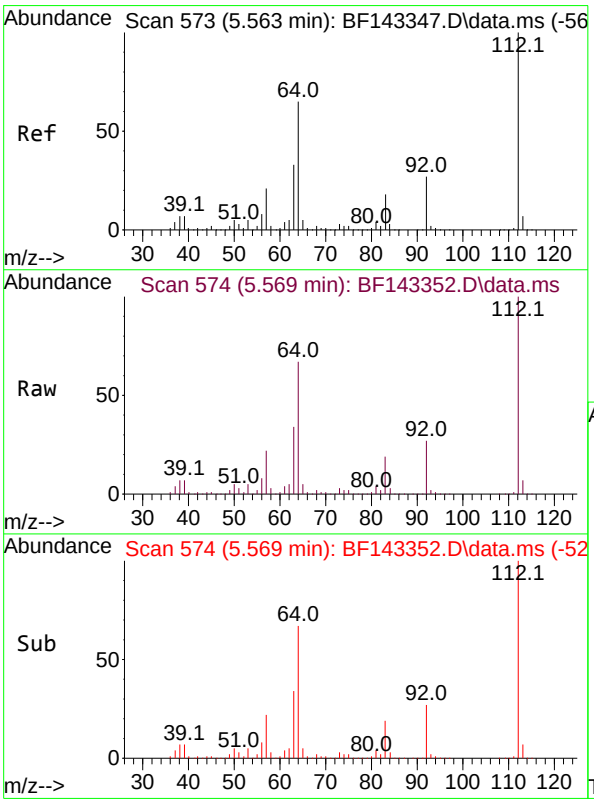
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Tgt Ion:152 Resp: 164595

Ion	Ratio	Lower	Upper
152	100		
150	157.1	129.8	194.8
115	60.3	47.8	71.8

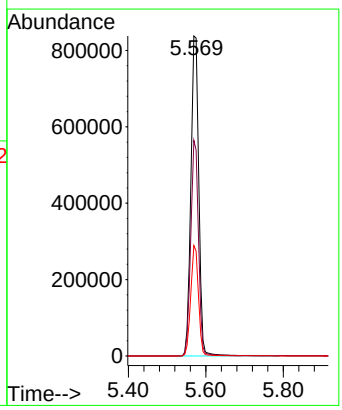


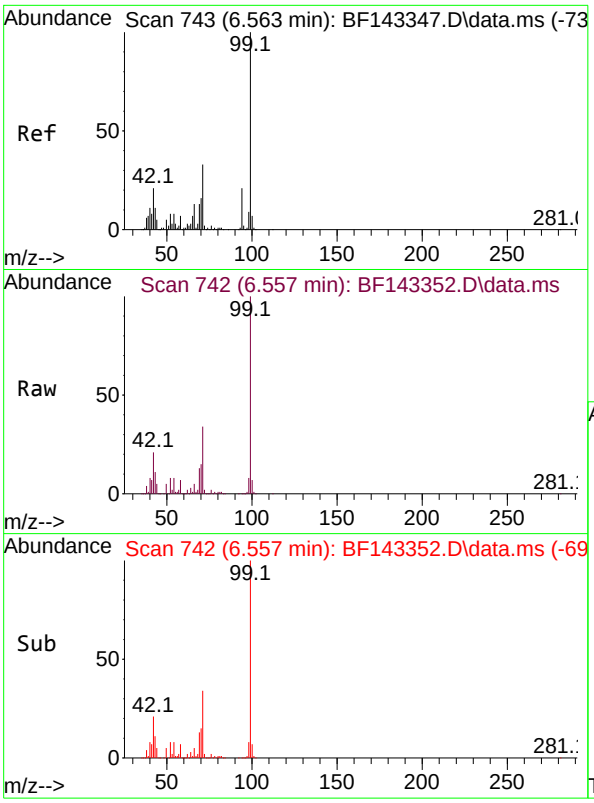


#5
2-Fluorophenol
Concen: 125.132 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Tgt Ion:112 Resp: 1191036

Ion	Ratio	Lower	Upper
112	100		
64	67.3	52.1	78.1
63	34.5	26.6	39.8



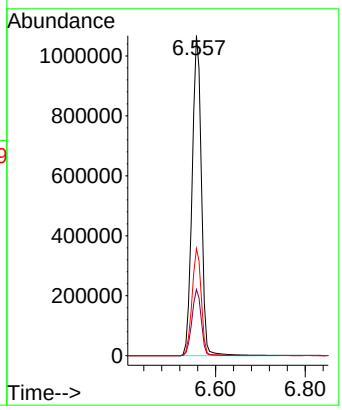


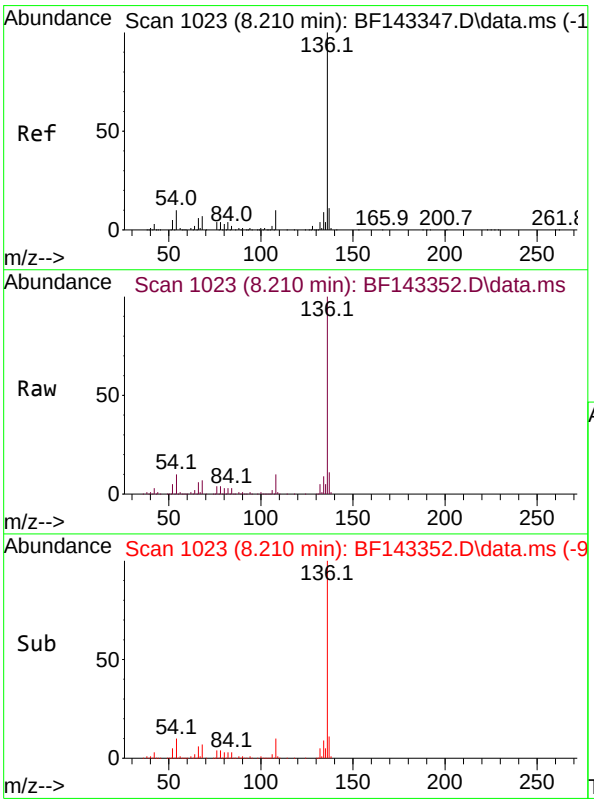
#7
Phenol-d6
Concen: 125.503 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Tgt Ion: 99 Resp: 1531883

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.6	25.0
71	33.5	26.2	39.2

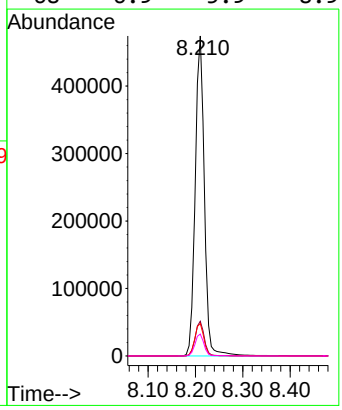


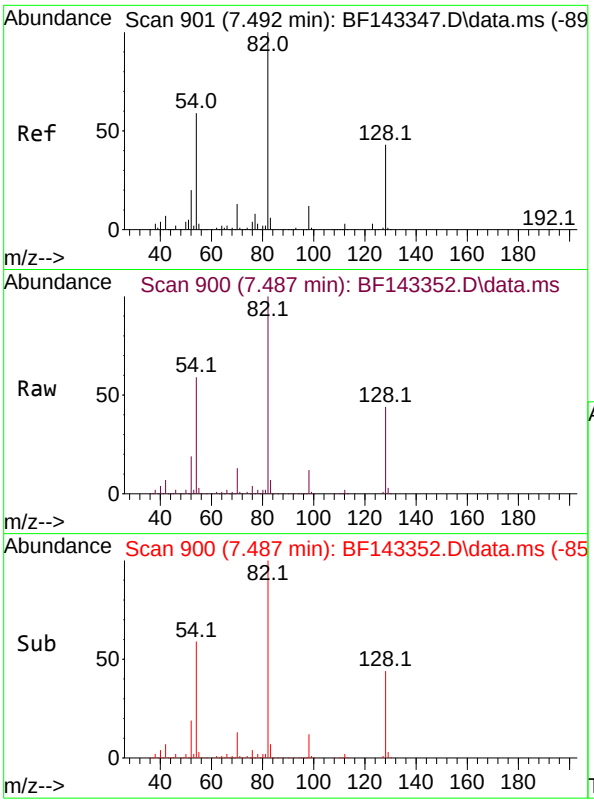


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Tgt Ion:136 Resp: 636089

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.4	12.6
68	6.9	5.9	8.9



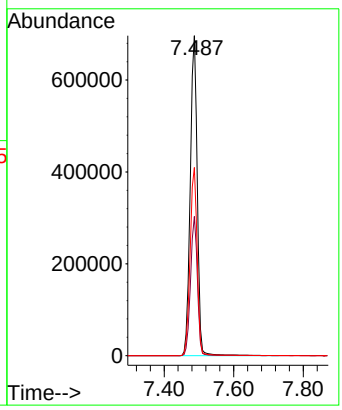


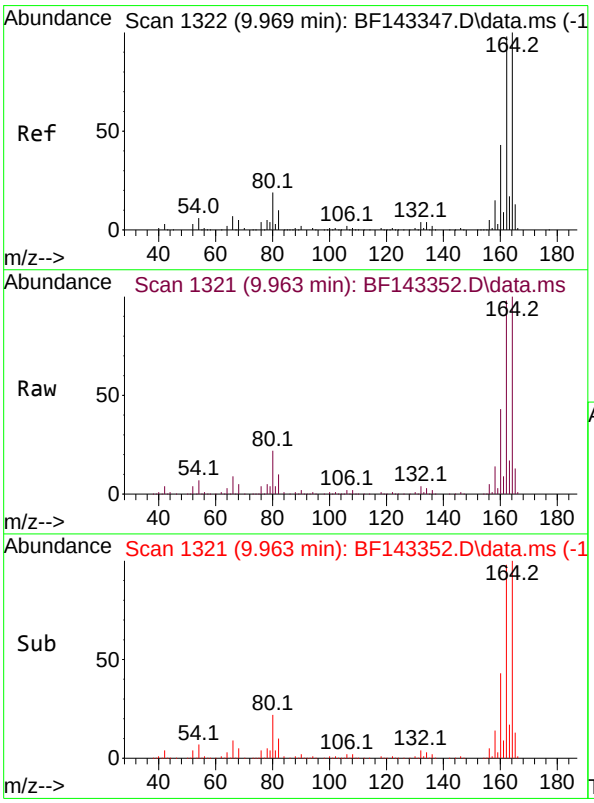
#23
Nitrobenzene-d5
Concen: 95.542 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Tgt Ion: 82 Resp: 975908

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.5	50.3
54	58.8	46.7	70.1

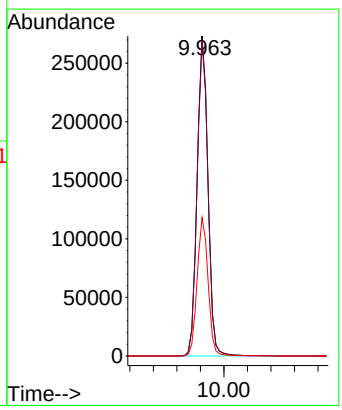


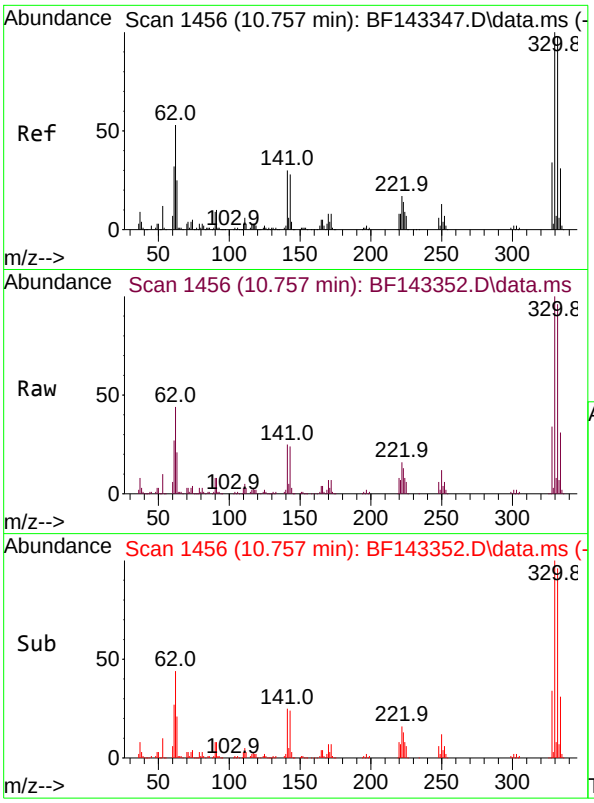


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Tgt Ion:164 Resp: 350207

Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.6	118.0
160	43.2	34.4	51.6



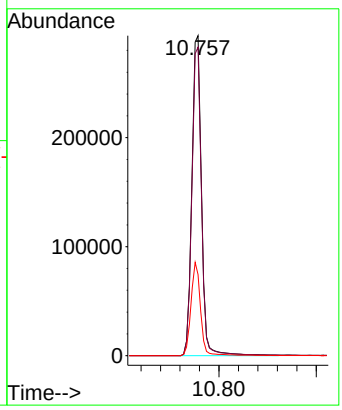


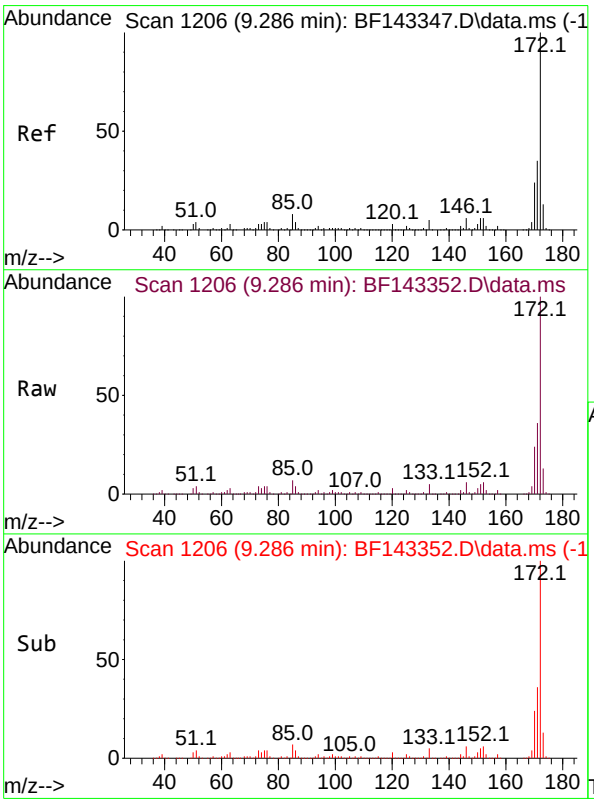
#42
2,4,6-Tribromophenol
Concen: 158.144 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Tgt Ion:330 Resp: 404753

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.1	117.1
141	29.2	25.4	38.0

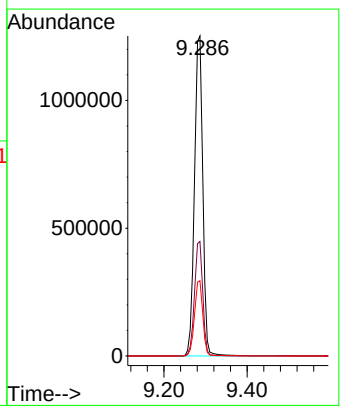


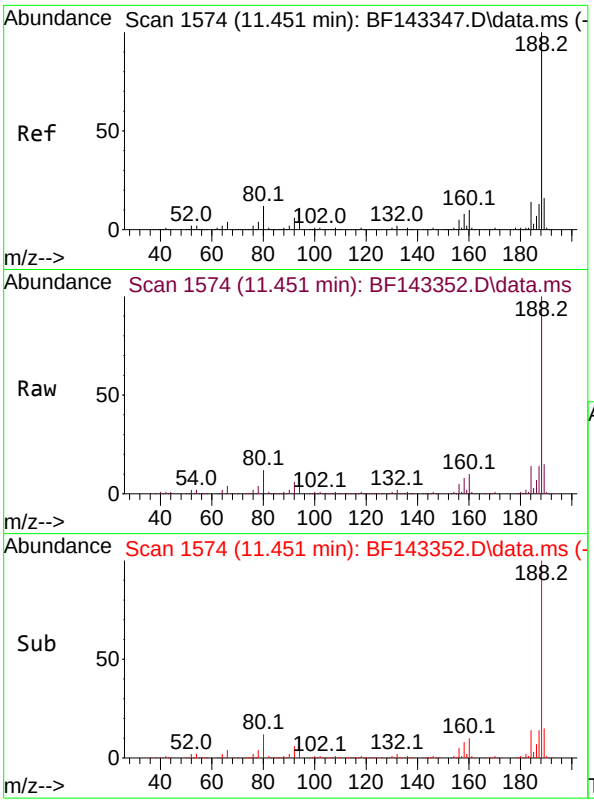


#45
2-Fluorobiphenyl
Concen: 84.674 ng
RT: 9.286 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Tgt Ion:172 Resp: 1748683

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.5	19.1	28.7



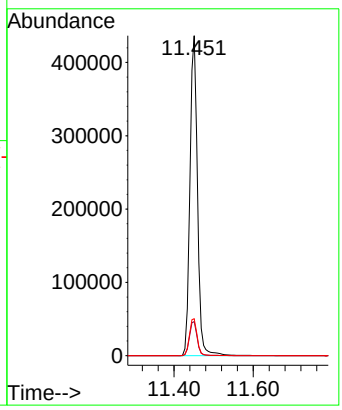


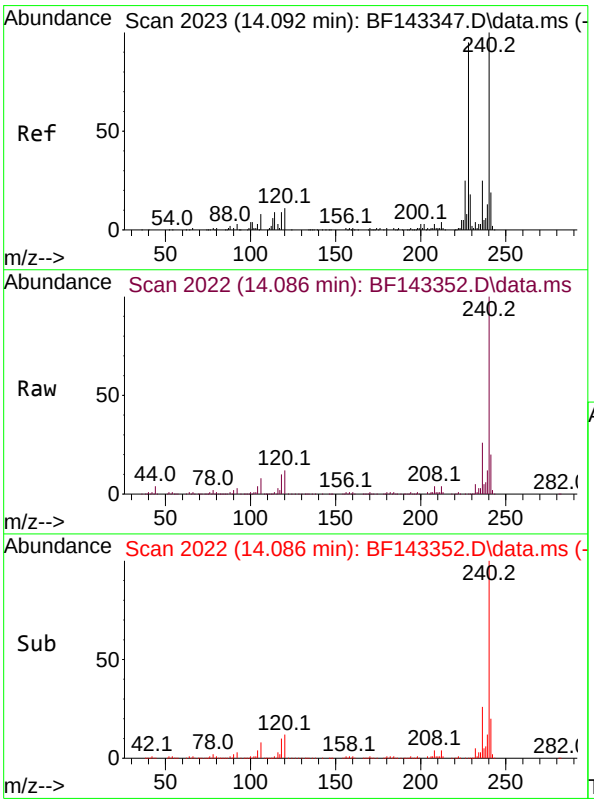
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Tgt Ion:188 Resp: 576646

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.8	13.2
80	11.6	9.7	14.5

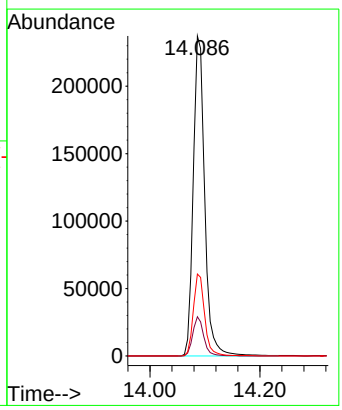


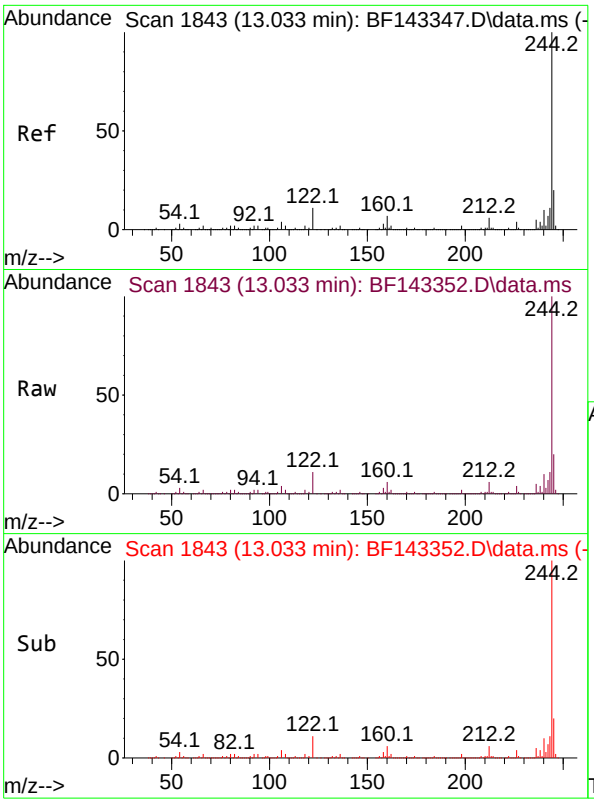


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Tgt Ion:240 Resp: 343112

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.0	13.6
236	25.6	19.9	29.9



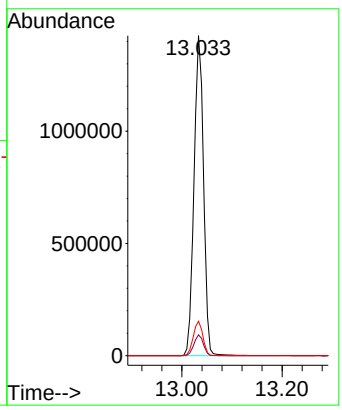


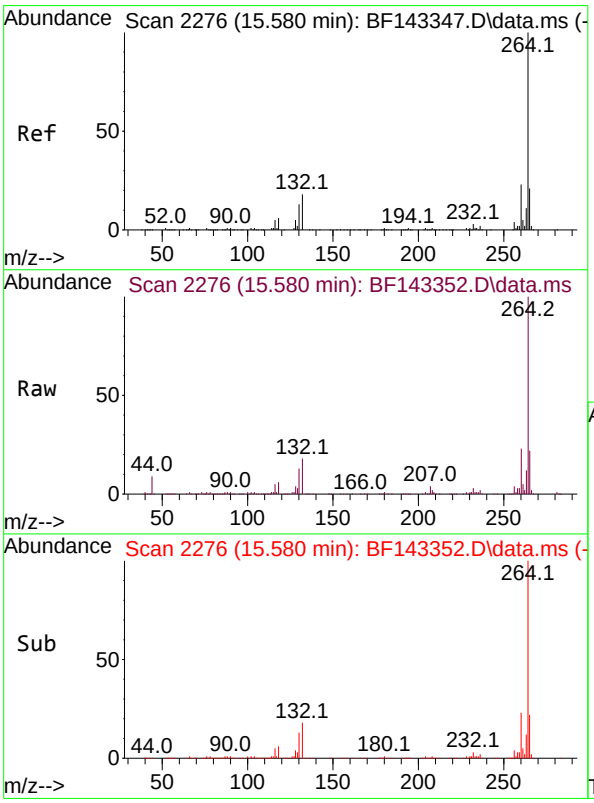
#79
Terphenyl-d14
Concen: 97.610 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PB169189BL

Tgt Ion:244 Resp: 1875902

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	10.7	8.9	13.3

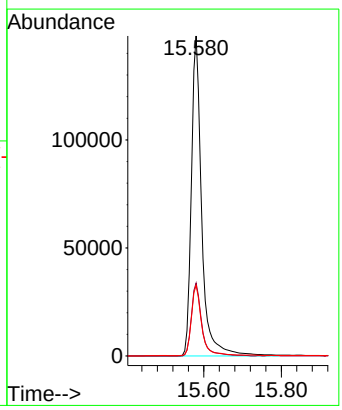




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF143352.D
Acq: 12 Aug 2025 14:22

Tgt Ion:264 Resp: 274972

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	22.1	17.2	25.8



Raw Data: **BF143353.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Girard School - PA			Date Received:	
Client Sample ID:	PB169189BS			SDG No.:	Q2807
Lab Sample ID:	PB169189BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOCMS Group1
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
BF143353.D	1	08/11/25 09:32	08/12/25 14:53	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.3		18 - 107	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.3		20 - 109	85%	SPK: 100
1718-51-0	Terphenyl-d14	87.8		10 - 105	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	6.928			
1146-65-2	Naphthalene-d8	641000	8.21			
15067-26-2	Acenaphthene-d10	345000	9.969			
1517-22-2	Phenanthrene-d10	532000	11.451			
1719-03-5	Chrysene-d12	305000	14.092			
1520-96-3	Perylene-d12	338000	15.58			

Raw Data: **BF143353.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Girard School - PA			Date Received:			
Client Sample ID:	PB169189BS			SDG No.:	Q2807		
Lab Sample ID:	PB169189BS			Matrix:	SOIL		
Analytical Method:	8270E			% Solid:	100		
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
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
BF143353.D	1	08/11/25 09:32	08/12/25 14:53	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF143353.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143353.D
Acq On : 12 Aug 2025 14:53
Operator : RC/JU
Sample : PB169189BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 15:11:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB169189BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	165936	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	641337	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	345183	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	531787	20.000	ng	0.00
76) Chrysene-d12	14.092	240	305054	20.000	ng	0.00
86) Perylene-d12	15.580	264	338125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1176602	122.616	ng	0.01
7) Phenol-d6	6.563	99	1523405	123.800	ng	0.00
23) Nitrobenzene-d5	7.487	82	971531	94.335	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	402111	159.399	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1736835	85.324	ng	0.00
79) Terphenyl-d14	13.033	244	1499571	87.763	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.863	88	192952	38.859	ng	100
3) Pyridine	3.616	79	527767	39.886	ng	100
4) n-Nitrosodimethylamine	3.558	42	289391	46.951	ng	98
6) Aniline	6.593	93	630979	36.372	ng	97
8) 2-Chlorophenol	6.716	128	477865	46.605	ng	99
9) Benzaldehyde	6.481	77	275375	33.858	ng	99
10) Phenol	6.575	94	649400	44.548	ng	98
11) bis(2-Chloroethyl)ether	6.663	93	471401	43.877	ng	100
12) 1,3-Dichlorobenzene	6.875	146	521614	44.105	ng	99
13) 1,4-Dichlorobenzene	6.946	146	527695	44.456	ng	99
14) 1,2-Dichlorobenzene	7.098	146	510010	45.263	ng	99
15) Benzyl Alcohol	7.069	79	422723	47.924	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	856643	44.662	ng	96
17) 2-Methylphenol	7.181	107	410128	47.386	ng	99
18) Hexachloroethane	7.446	117	176666	47.473	ng	98
19) n-Nitroso-di-n-propyla...	7.340	70	349687	45.990	ng	100
20) 3+4-Methylphenols	7.334	107	486422	46.471	ng	99
22) Acetophenone	7.334	105	645276	45.665	ng	99
24) Nitrobenzene	7.510	77	523992	46.849	ng	98
25) Isophorone	7.745	82	987069	46.949	ng	99
26) 2-Nitrophenol	7.822	139	223468	49.716	ng	98
27) 2,4-Dimethylphenol	7.863	122	449469	51.243	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	592892	46.189	ng	100
29) 2,4-Dichlorophenol	8.069	162	411252	48.004	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	427753	47.335	ng	99
31) Naphthalene	8.234	128	1370665	44.415	ng	100
32) Benzoic acid	7.981	122	201615	51.609	ng	98
33) 4-Chloroaniline	8.275	127	345120	31.006	ng	99
34) Hexachlorobutadiene	8.351	225	251531	44.745	ng	100
35) Caprolactam	8.640	113	131391m	54.557	ng	
36) 4-Chloro-3-methylphenol	8.763	107	439359	48.920	ng	99
37) 2-Methylnaphthalene	8.922	142	839047	41.357	ng	100
38) 1-Methylnaphthalene	9.022	142	862290	44.130	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	420596	44.528	ng	99
41) Hexachlorocyclopentadiene	9.081	237	423657	123.246	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	275429	51.392	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143353.D
Acq On : 12 Aug 2025 14:53
Operator : RC/JU
Sample : PB169189BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 12 15:11:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB169189BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	302307	49.951	ng	99
46) 1,1'-Biphenyl	9.387	154	1121150	45.937	ng	99
47) 2-Chloronaphthalene	9.410	162	865384	45.021	ng	99
48) 2-Nitroaniline	9.504	65	276499	49.767	ng	99
49) Acenaphthylene	9.828	152	1415209	50.983	ng	100
50) Dimethylphthalate	9.687	163	990050	49.086	ng	100
51) 2,6-Dinitrotoluene	9.745	165	211344	54.918	ng	96
52) Acenaphthene	10.004	154	884703	47.940	ng	100
53) 3-Nitroaniline	9.916	138	162576	39.359	ng	97
54) 2,4-Dinitrophenol	10.022	184	162049	92.709	ng	89
55) Dibenzofuran	10.175	168	1213361	45.684	ng	99
56) 4-Nitrophenol	10.081	139	325418	97.305	ng	97
57) 2,4-Dinitrotoluene	10.151	165	277162	54.302	ng	94
58) Fluorene	10.516	166	930533	45.869	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	261466	64.089	ng	96
60) Diethylphthalate	10.387	149	903138	49.990	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	454878	46.404	ng	99
62) 4-Nitroaniline	10.528	138	213830	53.506	ng	98
63) Azobenzene	10.663	77	993057	48.123	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	116908	53.379	ng	94
66) n-Nitrosodiphenylamine	10.622	169	827105	47.235	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	286617	47.126	ng	98
68) Hexachlorobenzene	11.069	284	303457	46.289	ng	99
69) Atrazine	11.145	200	237139	51.923	ng	99
70) Pentachlorophenol	11.263	266	304667	93.837	ng	97
71) Phenanthrene	11.481	178	1303687	44.933	ng	99
72) Anthracene	11.528	178	1351509	45.931	ng	100
73) Carbazole	11.681	167	1141159	45.538	ng	98
74) Di-n-butylphthalate	12.010	149	1150281	54.244	ng	100
75) Fluoranthene	12.663	202	1159235	45.612	ng	99
77) Benzidine	12.780	184	306418	36.741	ng	99
78) Pyrene	12.892	202	1157188	45.218	ng	100
80) Butylbenzylphthalate	13.504	149	263013	51.728	ng	99
81) Benzo(a)anthracene	14.080	228	910629	46.966	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	183468	35.043	ng	99
83) Chrysene	14.116	228	845788	46.782	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	369793	49.572	ng	99
85) Di-n-octyl phthalate	14.674	149	718314	48.439	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	1133370	46.786	ng	100
88) Benzo(b)fluoranthene	15.145	252	899347	48.629	ng	99
89) Benzo(k)fluoranthene	15.174	252	850796	47.344	ng	99
90) Benzo(a)pyrene	15.516	252	872401	50.085	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	913300	47.192	ng	99
92) Benzo(g,h,i)perylene	17.557	276	928308	47.616	ng	97

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

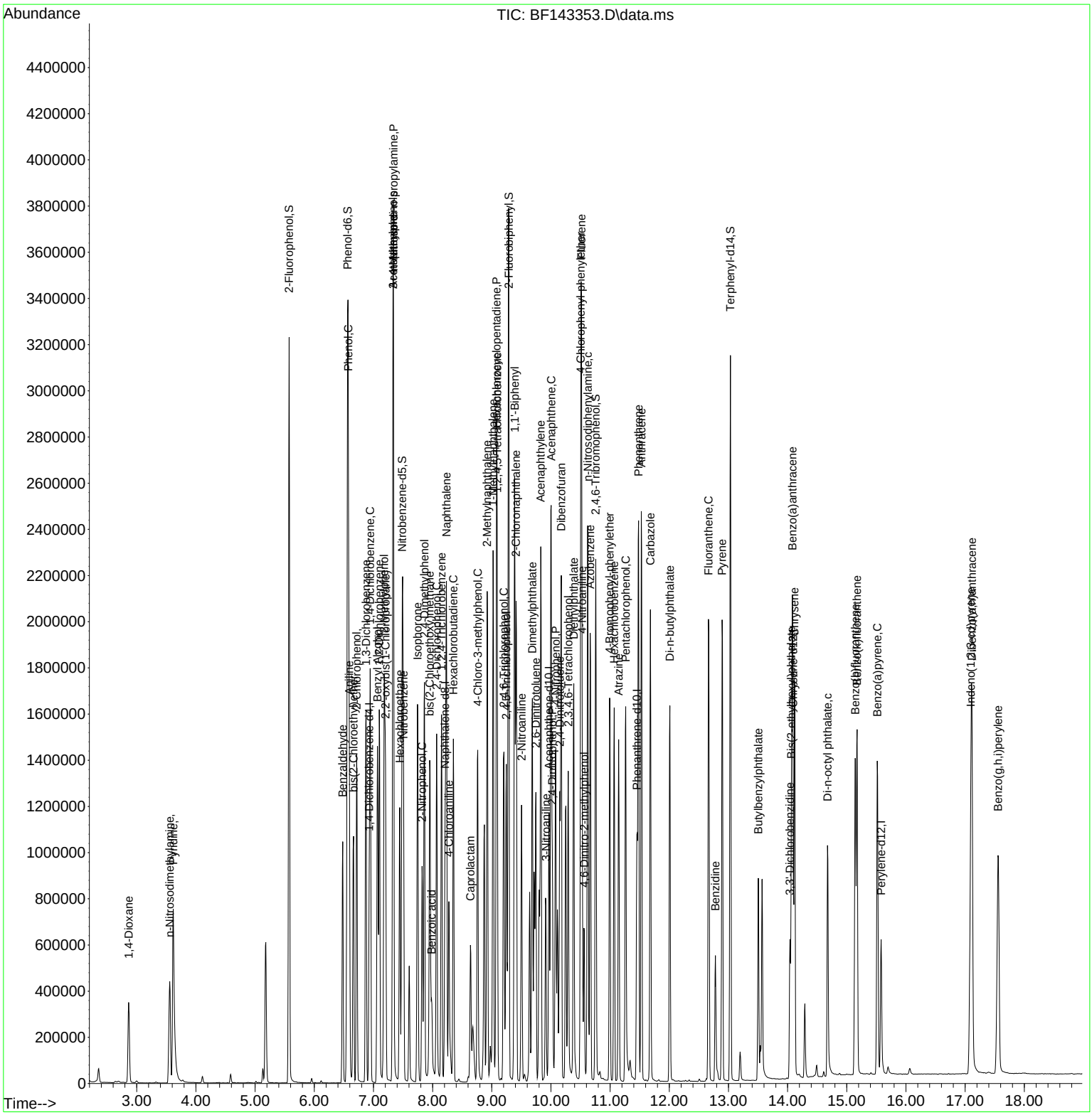
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143353.D
Acq On : 12 Aug 2025 14:53
Operator : RC/JU
Sample : PB169189BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

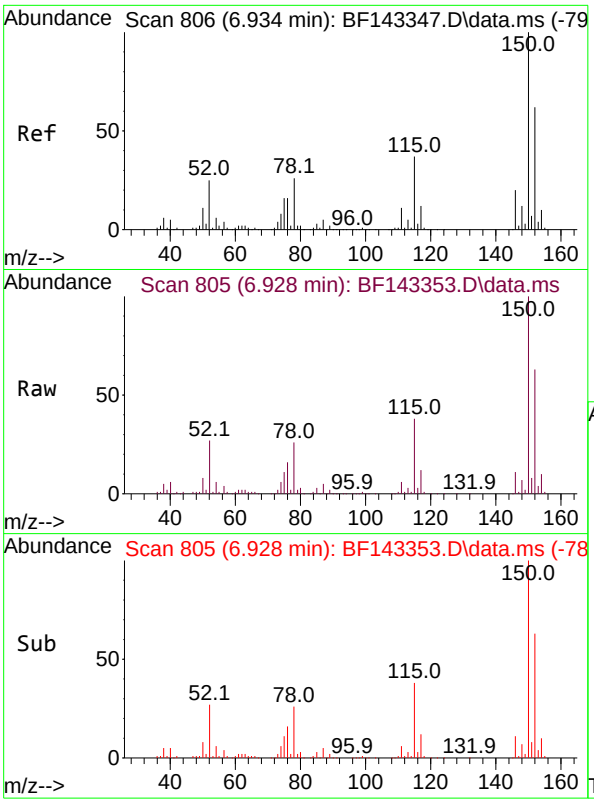
Quant Time: Aug 12 15:11:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB169189BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025

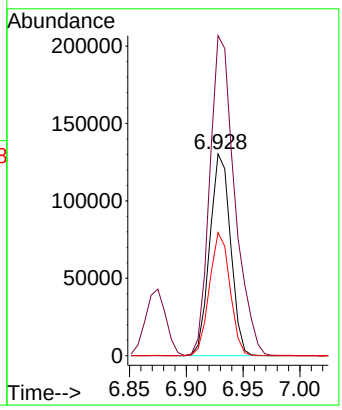




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:152 Resp: 16593(

Ion	Ratio	Lower	Upper
152	100		
150	158.6	129.8	194.8
115	61.0	47.8	71.8



Instrument :
BNA_F
ClientSampleId :
PB169189BS

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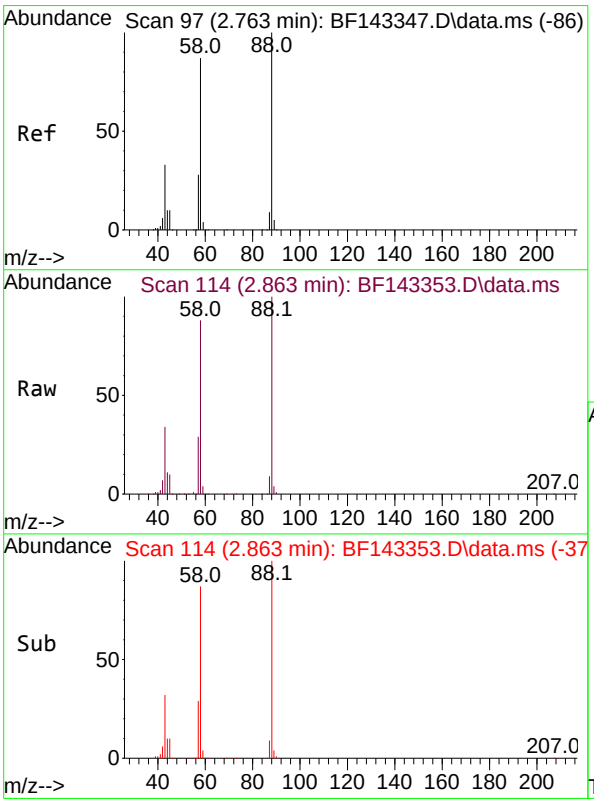
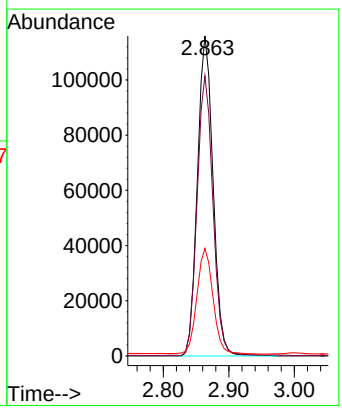
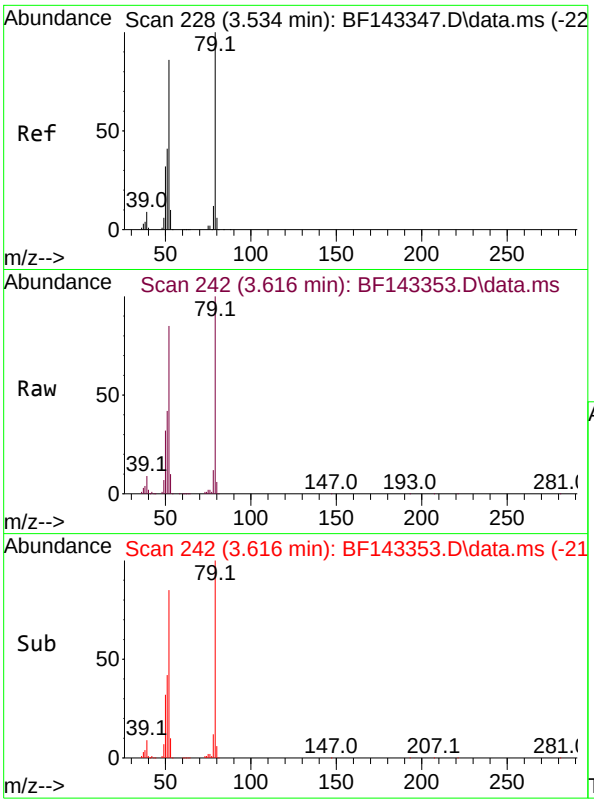


#2
1,4-Dioxane
Concen: 38.859 ng
RT: 2.863 min Scan# 114
Delta R.T. 0.100 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 88 Resp: 192952

Ion	Ratio	Lower	Upper
88	100		
58	88.6	71.0	106.6
43	33.9	27.0	40.6

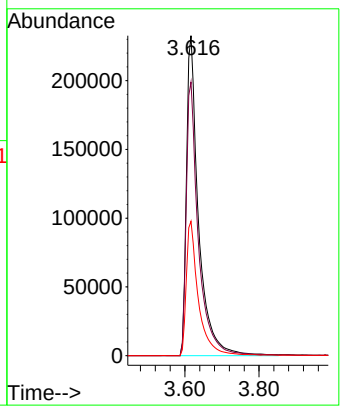




#3
Pyridine
Concen: 39.886 ng
RT: 3.616 min Scan# 24
Delta R.T. 0.082 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 79 Resp: 52776

Ion	Ratio	Lower	Upper
79	100		
52	85.5	68.7	103.1
51	42.0	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
PB169189BS

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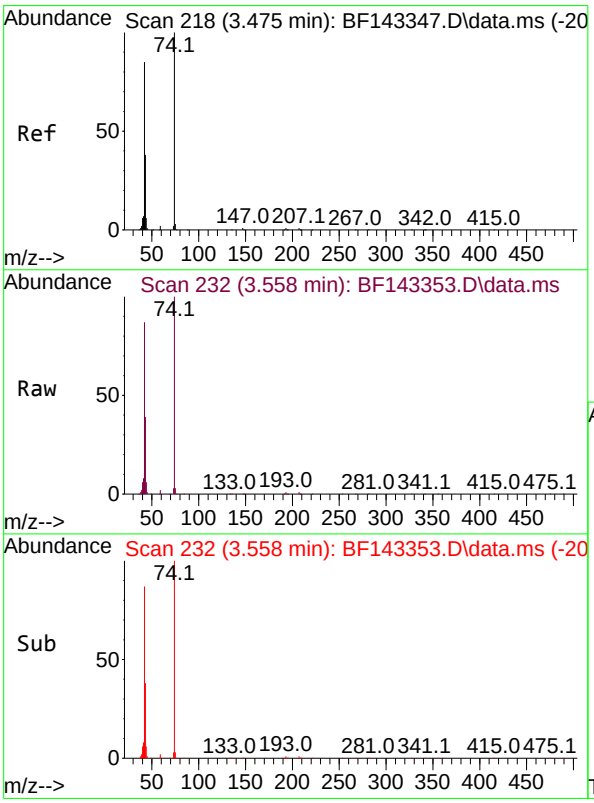
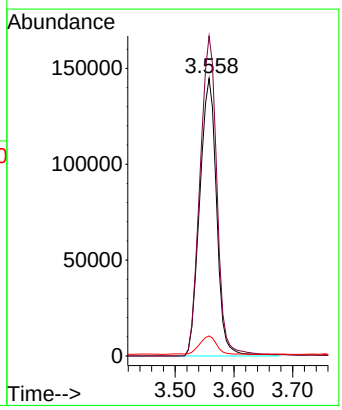
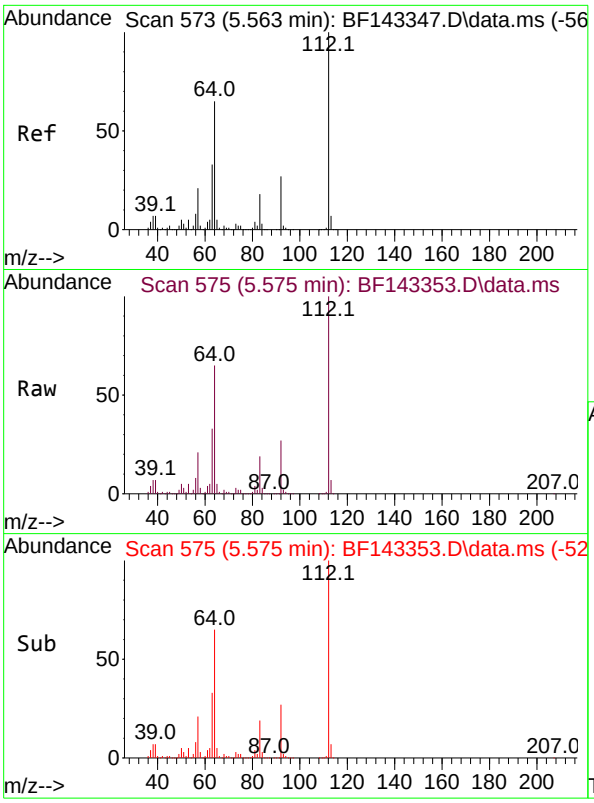


#4
n-Nitrosodimethylamine
Concen: 46.951 ng
RT: 3.558 min Scan# 232
Delta R.T. 0.082 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 42 Resp: 289391

Ion	Ratio	Lower	Upper
42	100		
74	115.2	94.1	141.1
44	7.2	6.5	9.7





#5
2-Fluorophenol
Concen: 122.616 ng
RT: 5.575 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:112 Resp: 117660

Ion	Ratio	Lower	Upper
112	100		
64	64.9	52.1	78.1
63	33.3	26.6	39.8

Instrument :
BNA_F
ClientSampleId :
PB169189BS

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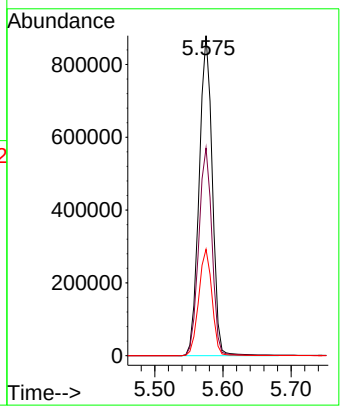
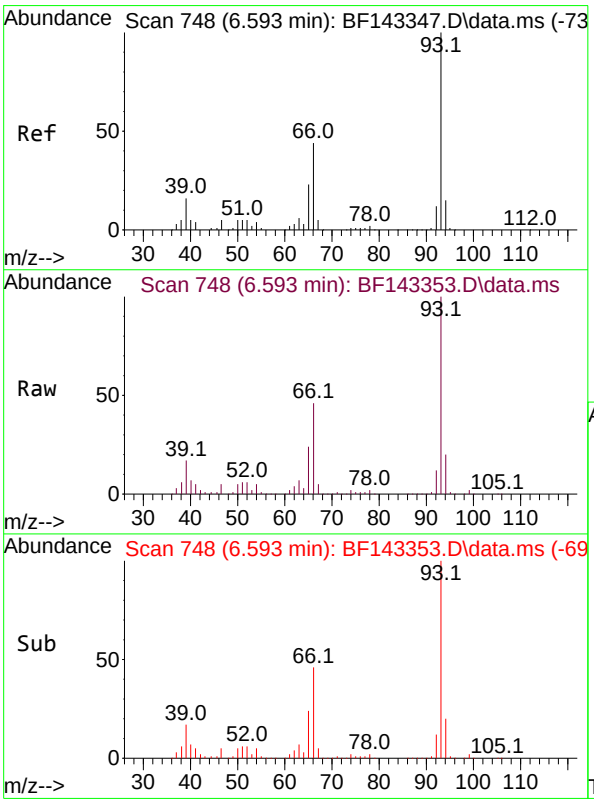
Supervised By :Jagrut Upadhyay 08/13/2025

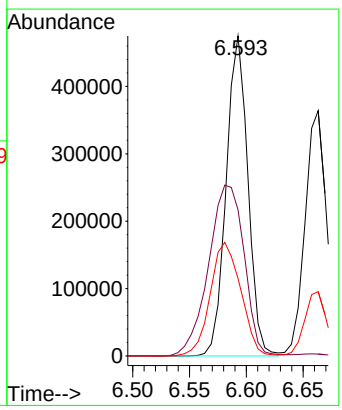


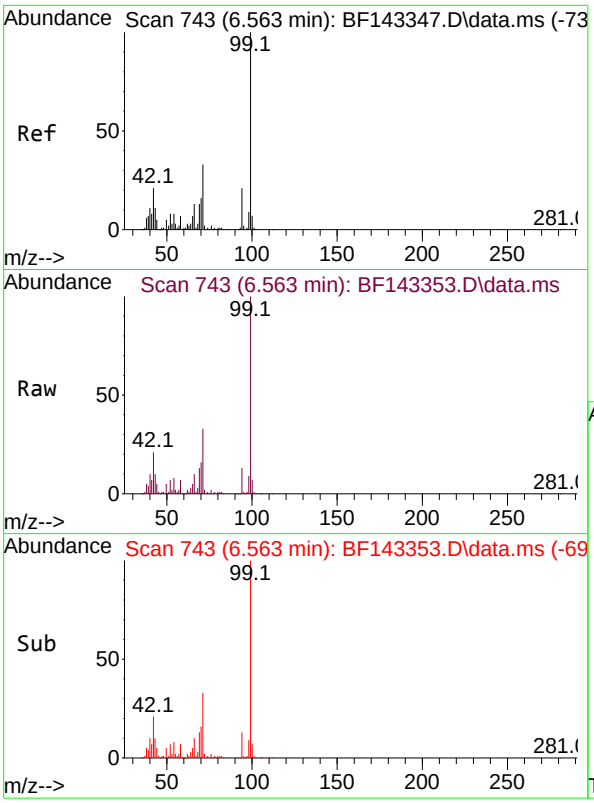


#6
Aniline
Concen: 36.372 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 93 Resp: 630979

Ion	Ratio	Lower	Upper
93	100		
66	45.7	35.3	52.9
65	24.2	18.2	27.4

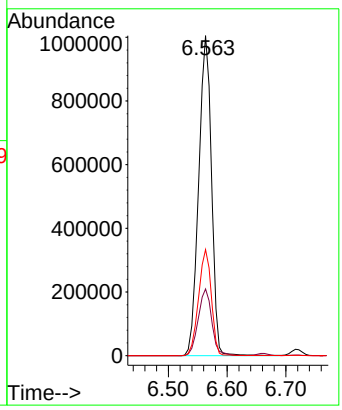




#7
Phenol-d6
Concen: 123.800 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 99 Resp: 152340

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	25.0
71	33.2	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
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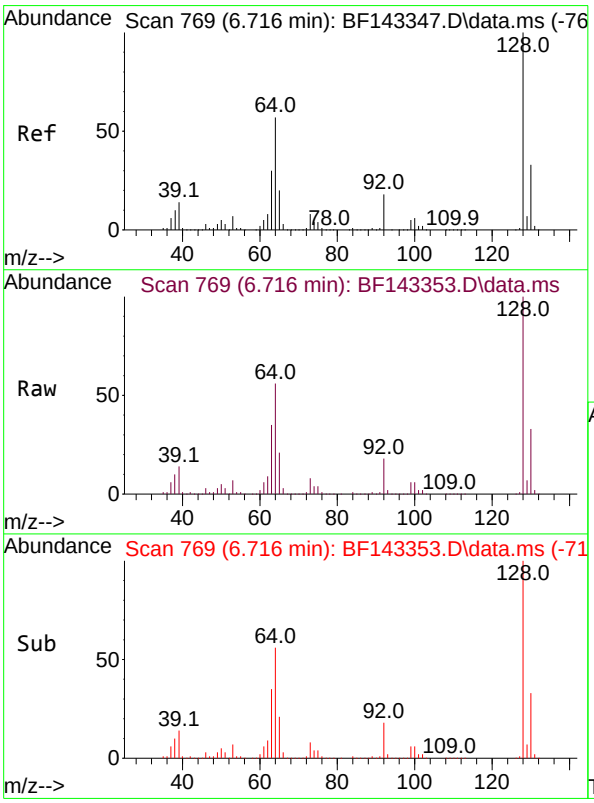
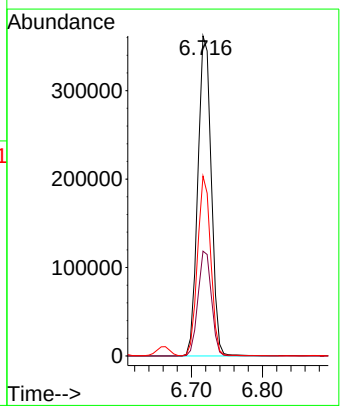
Supervised By :Jagrut Upadhyay 08/13/2025

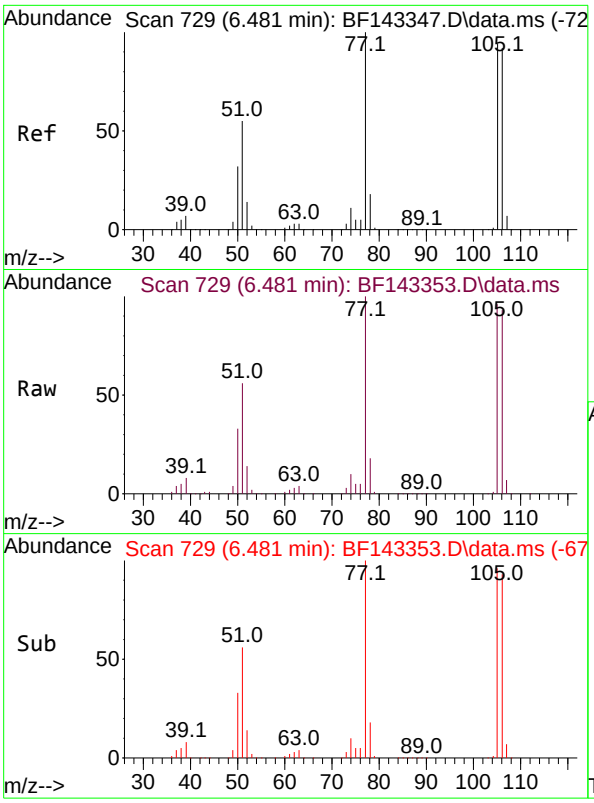


#8
2-Chlorophenol
Concen: 46.605 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:128 Resp: 477865

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	56.2	36.7	76.7

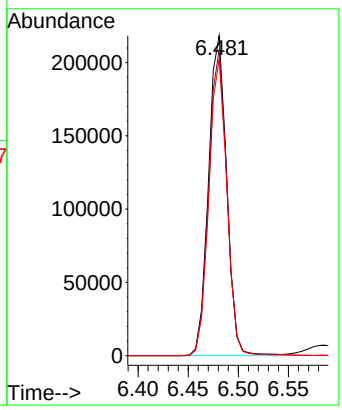




#9
Benzaldehyde
Concen: 33.858 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 77 Resp: 27537

Ion	Ratio	Lower	Upper
77	100		
105	95.6	74.2	114.2
106	92.6	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
PB169189BS

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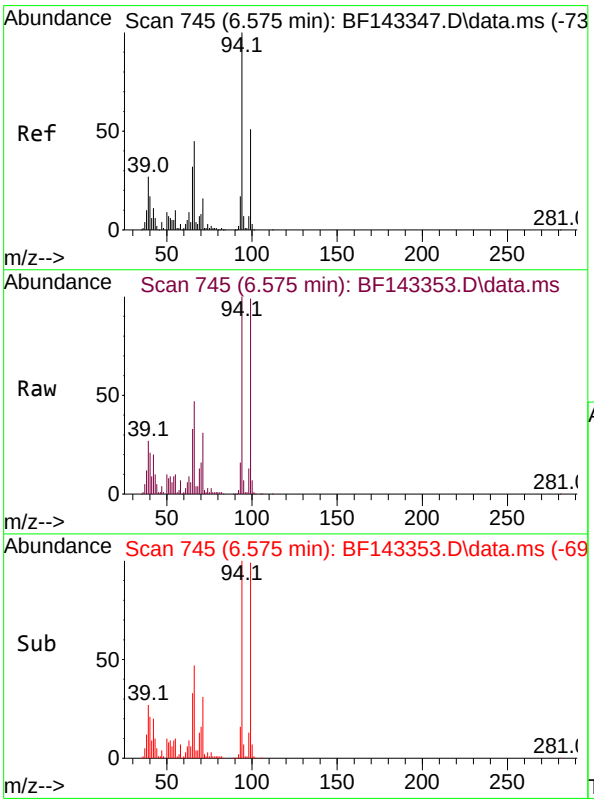
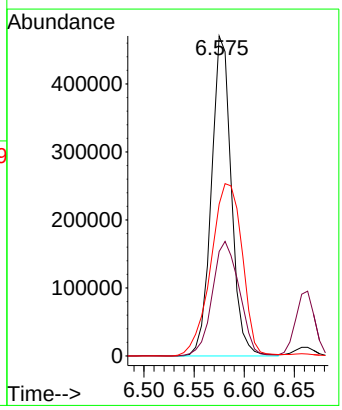
Supervised By :Jagrut Upadhyay 08/13/2025

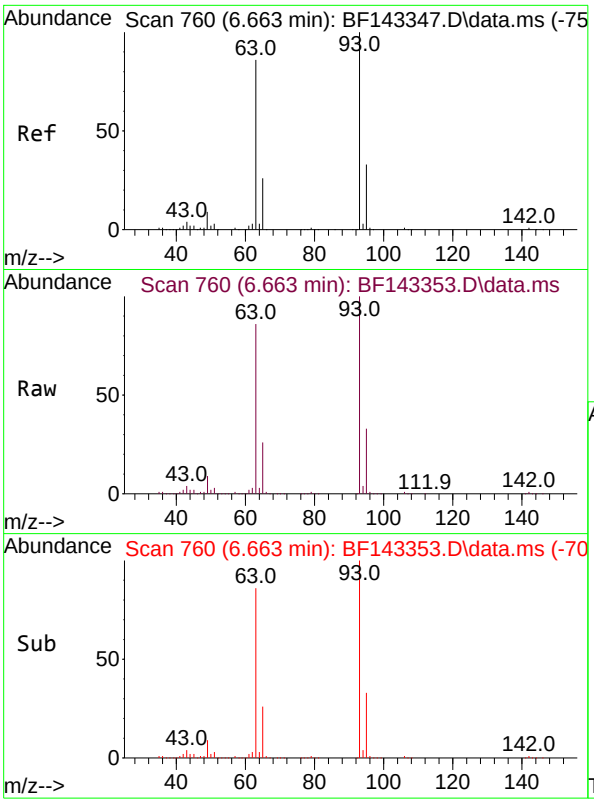


#10
Phenol
Concen: 44.548 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 94 Resp: 649400

Ion	Ratio	Lower	Upper
94	100		
65	32.6	12.0	52.0
66	47.5	25.6	65.6





#11
bis(2-Chloroethyl)ether
Concen: 43.877 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 93 Resp: 47140

Ion	Ratio	Lower	Upper
93	100		
63	86.0	65.7	105.7
95	32.7	13.0	53.0

Instrument :
BNA_F
ClientSampleId :
PB169189BS

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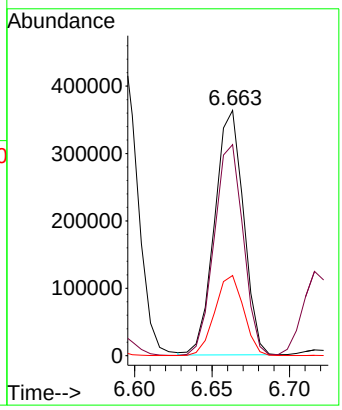
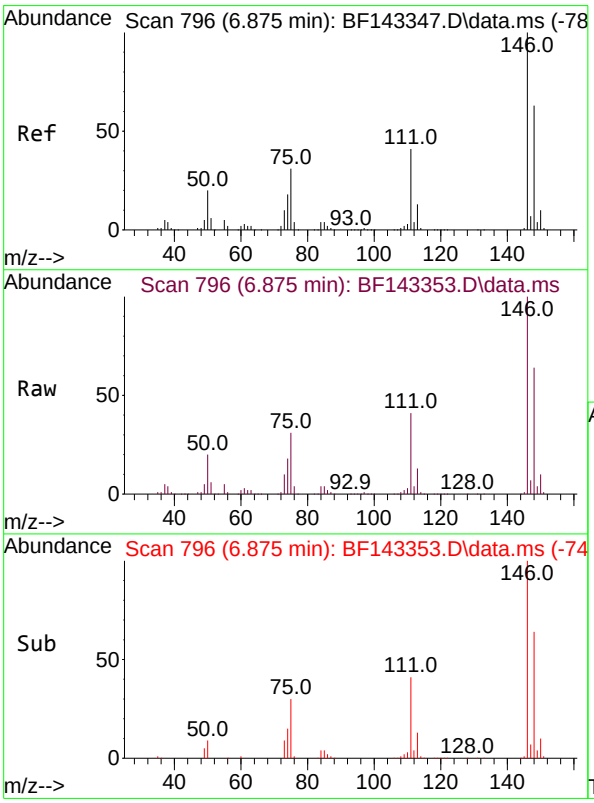
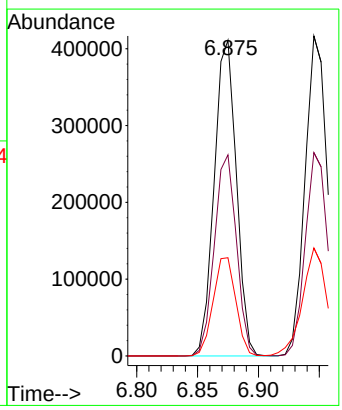


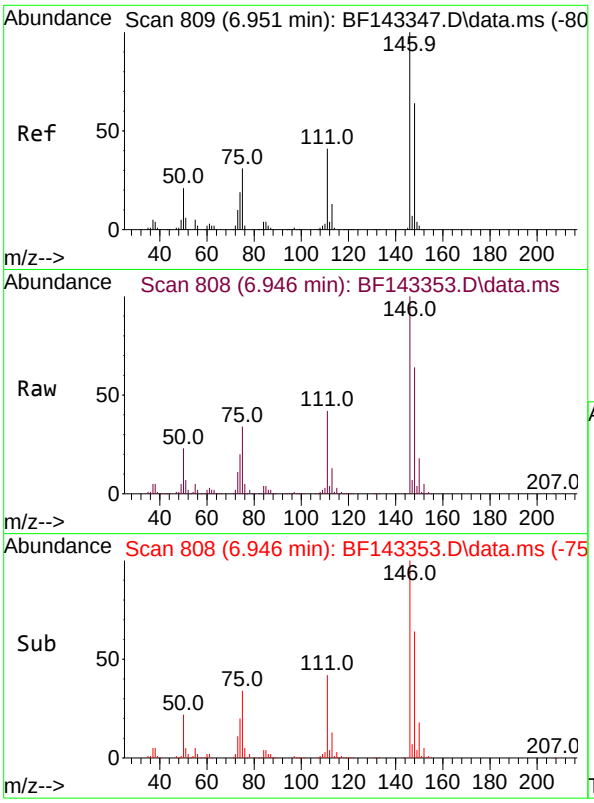


#12
1,3-Dichlorobenzene
Concen: 44.105 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:146 Resp: 521614

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
75	31.1	24.9	37.3

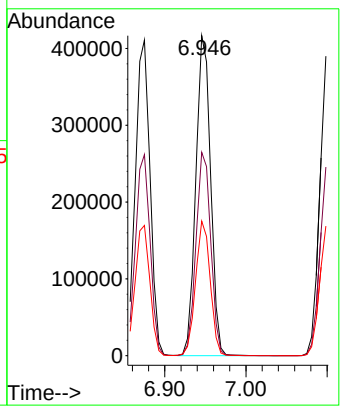




#13
1,4-Dichlorobenzene
Concen: 44.456 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:146 Resp: 52769

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.4	77.0
111	42.1	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
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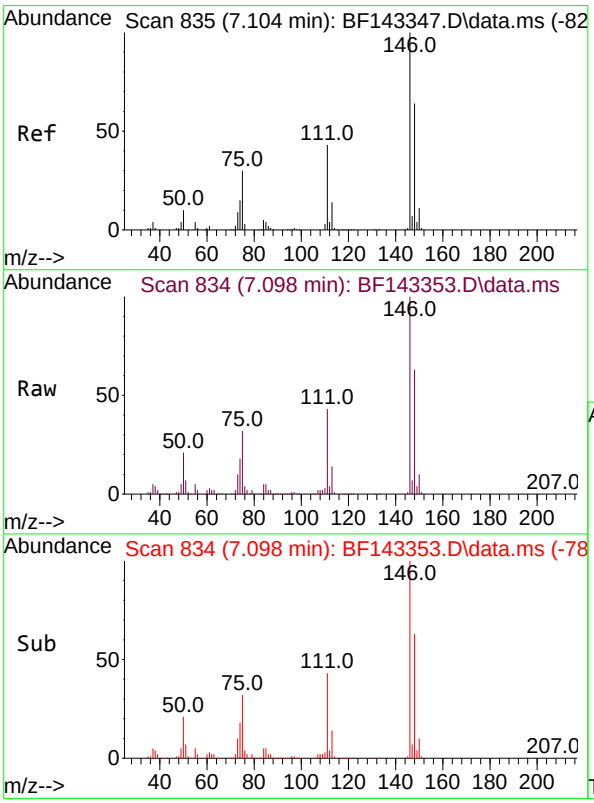
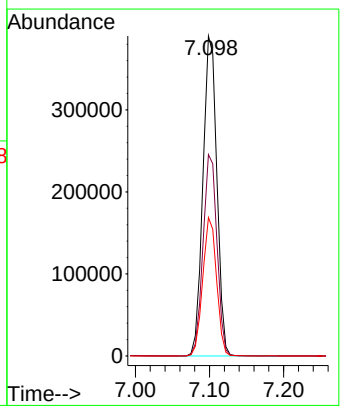
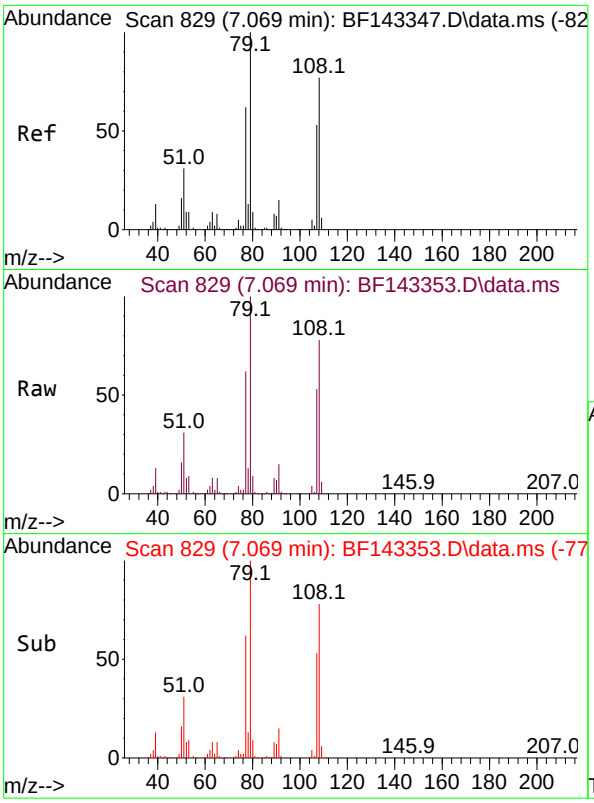


#14
1,2-Dichlorobenzene
Concen: 45.263 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:146 Resp: 510010

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.4	77.2
111	43.3	34.1	51.1





#15
Benzyl Alcohol
Concen: 47.924 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 79 Resp: 42272

Ion	Ratio	Lower	Upper
79	100		
108	77.6	61.5	92.3
77	61.6	49.8	74.8

Instrument :
BNA_F
ClientSampleId :
PB169189BS

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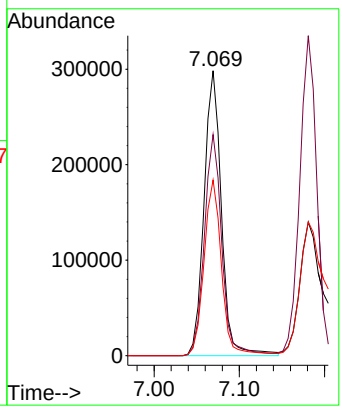
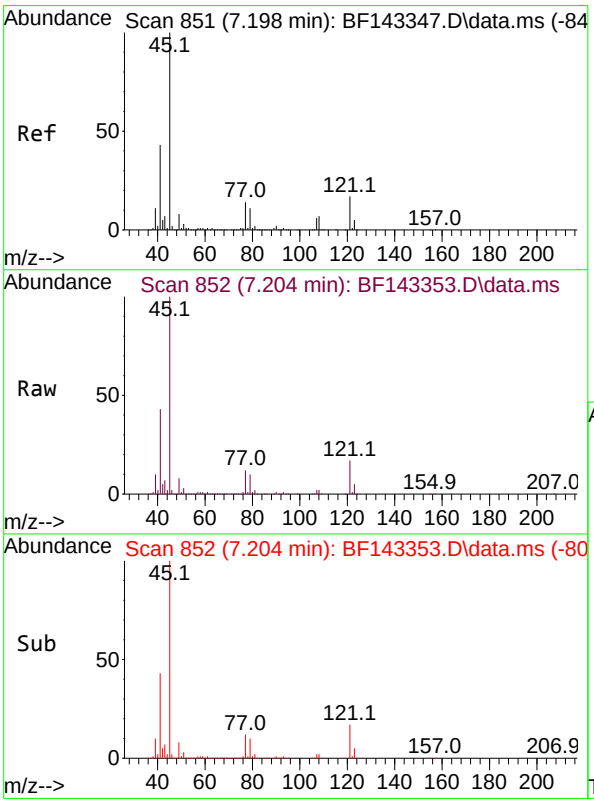
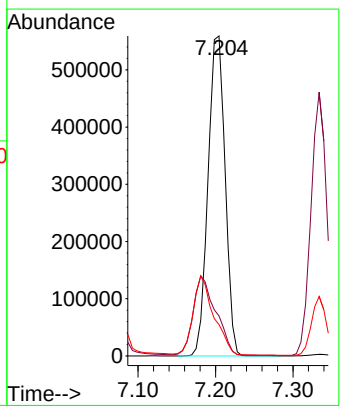


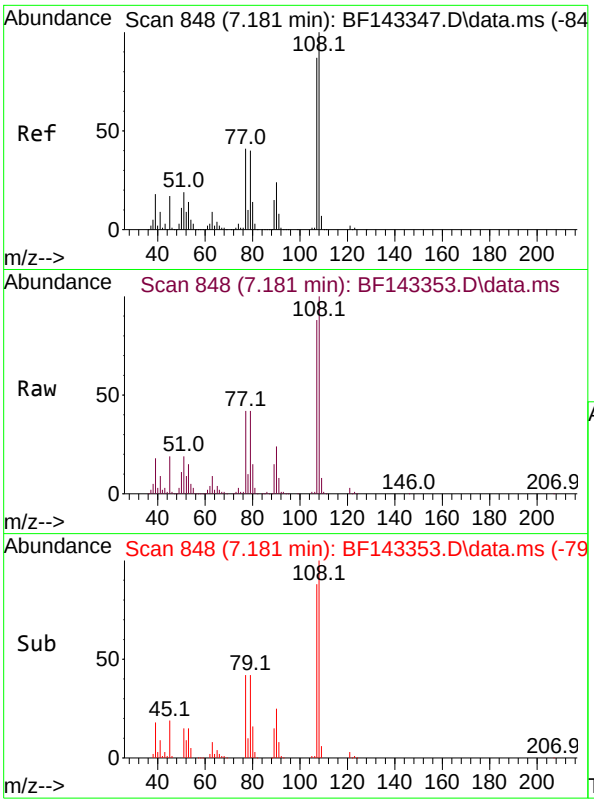


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.662 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 45 Resp: 856643

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	34.0
79	9.8	0.0	31.1

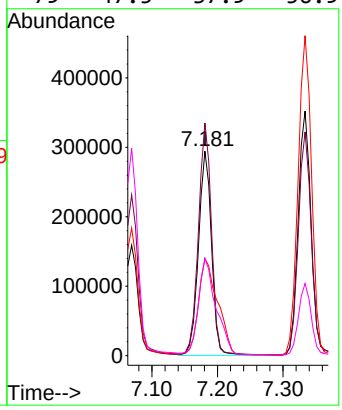




#17
2-Methylphenol
Concen: 47.386 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:107 Resp: 41012

Ion	Ratio	Lower	Upper
107	100		
108	113.8	92.0	138.0
77	47.6	38.2	57.2
79	47.5	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
PB169189BS

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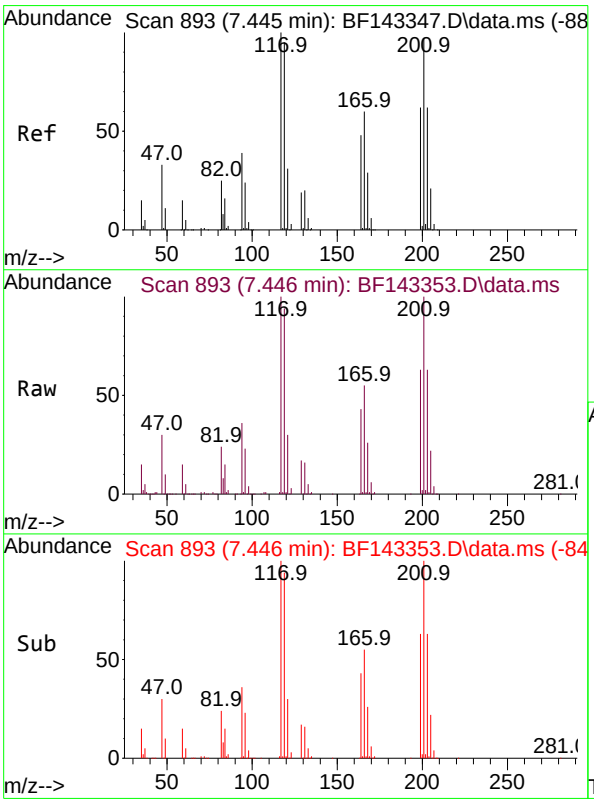
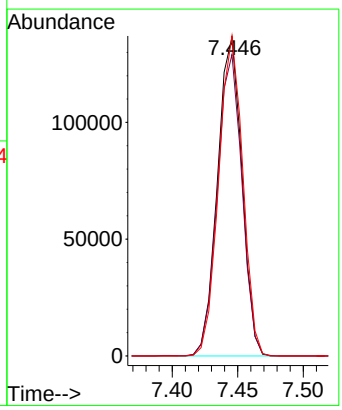
Supervised By :Jagrut Upadhyay 08/13/2025

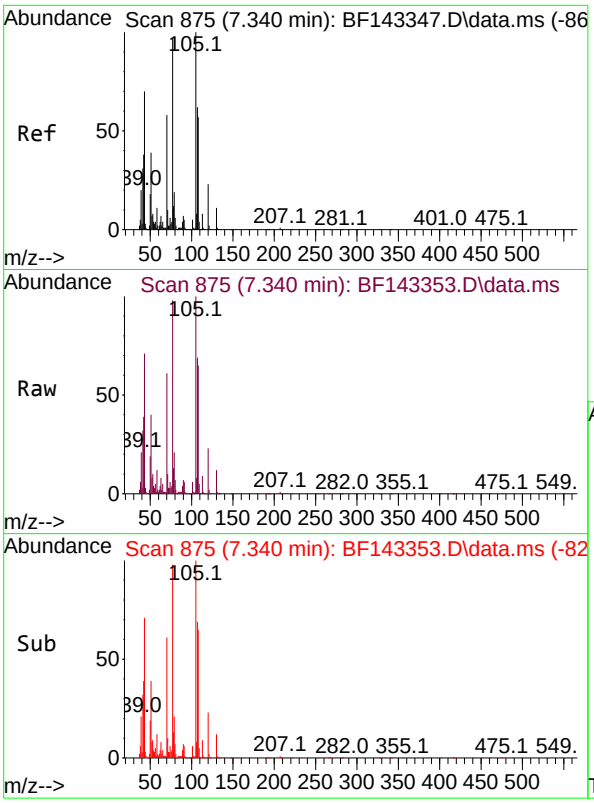


#18
Hexachloroethane
Concen: 47.473 ng
RT: 7.446 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:117 Resp: 176666

Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.8	113.8
201	100.4	77.2	115.8

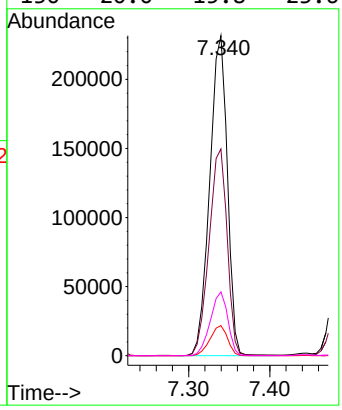




#19
n-Nitroso-di-n-propylamine
Concen: 45.990 ng
RT: 7.340 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 70 Resp: 34968

Ion	Ratio	Lower	Upper
70	100		
42	64.6	51.6	77.4
101	9.4	7.5	11.3
130	20.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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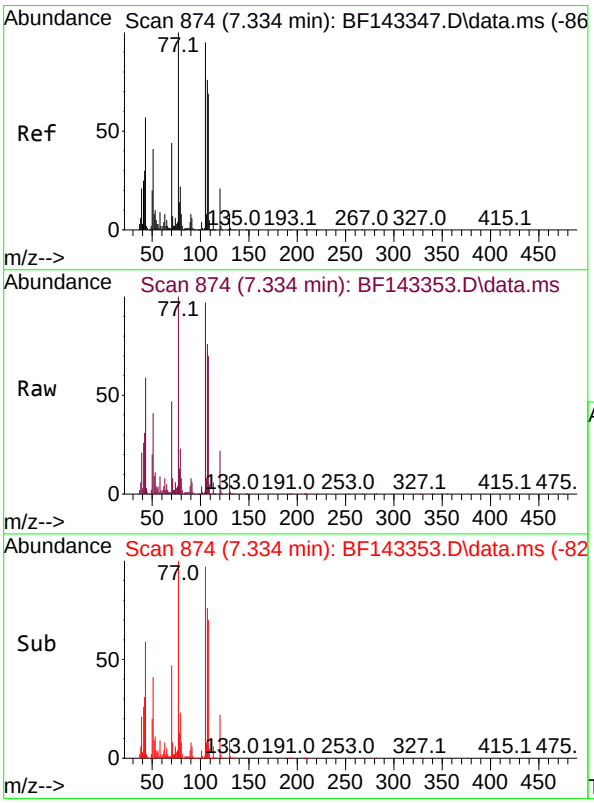
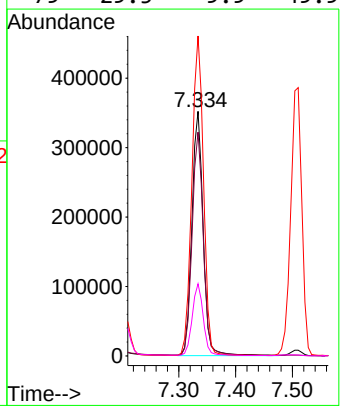
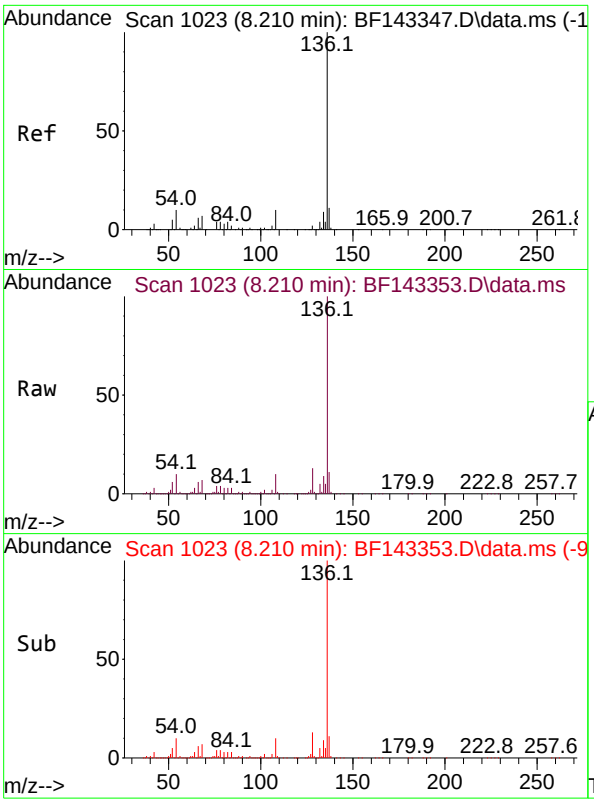


#20
3+4-Methylphenols
Concen: 46.471 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:107 Resp: 486422

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.6	110.6
77	130.8	112.0	152.0
79	29.5	9.9	49.9

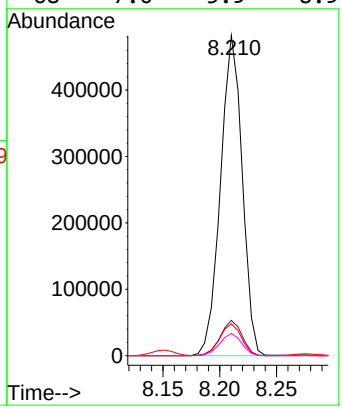




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:136 Resp: 64133

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.0	8.4	12.6
68	7.0	5.9	8.9



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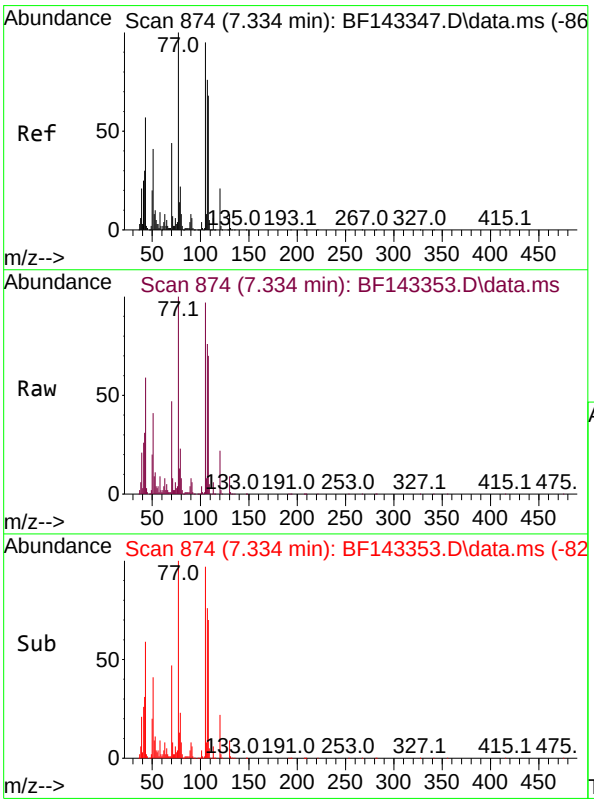
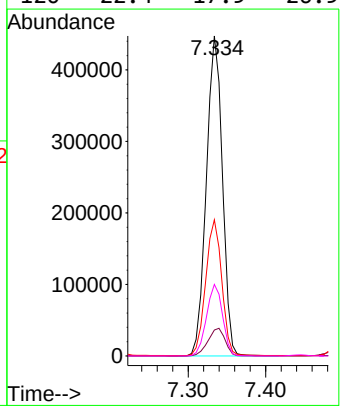
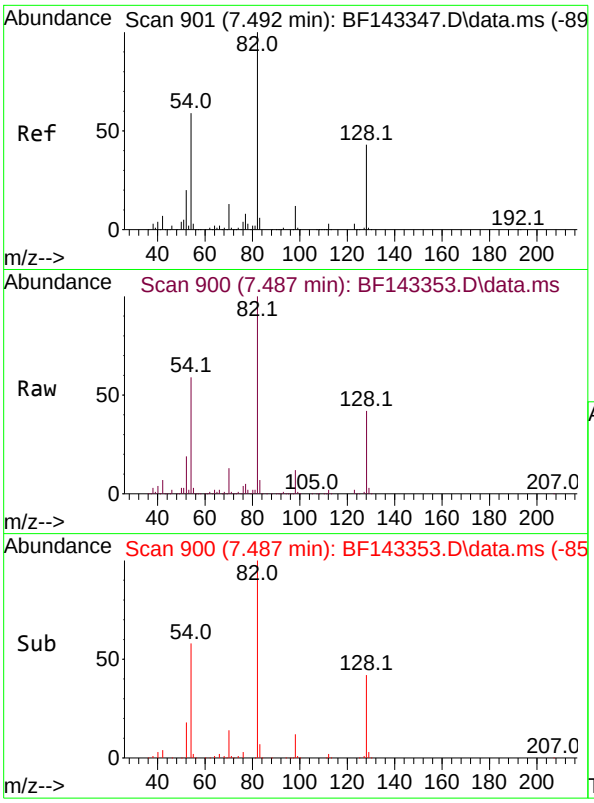


#22
Acetophenone
Concen: 45.665 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:105 Resp: 645276

Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.2	9.4
51	42.5	34.8	52.2
120	22.4	17.9	26.9





#23
Nitrobenzene-d5
Concen: 94.335 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 82 Resp: 97153

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.5	50.3
54	58.8	46.7	70.1

Instrument :
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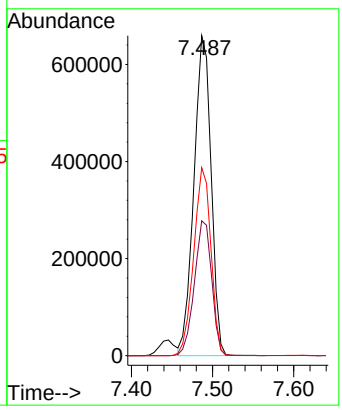
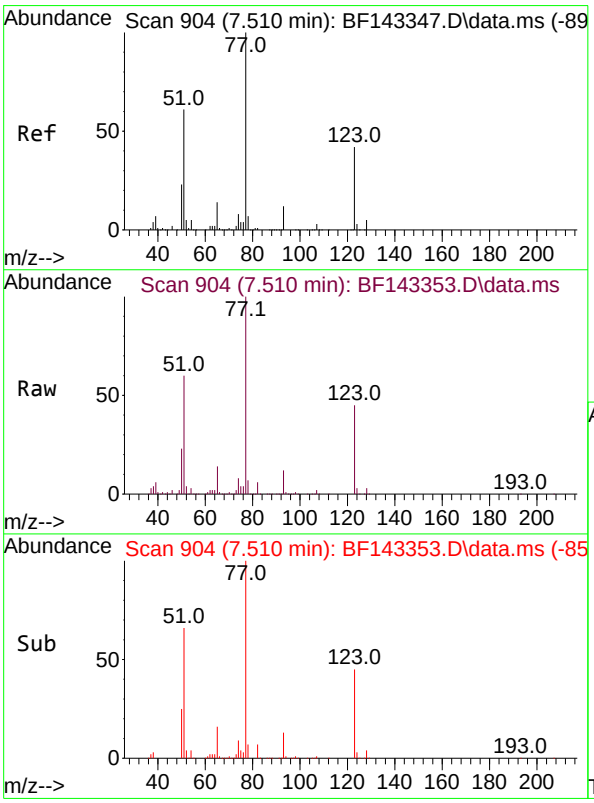
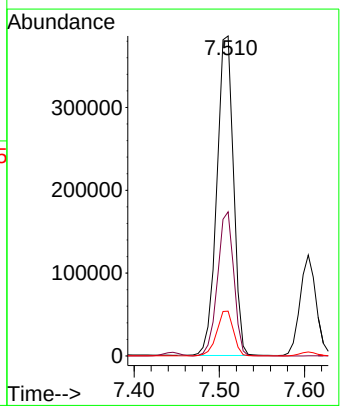


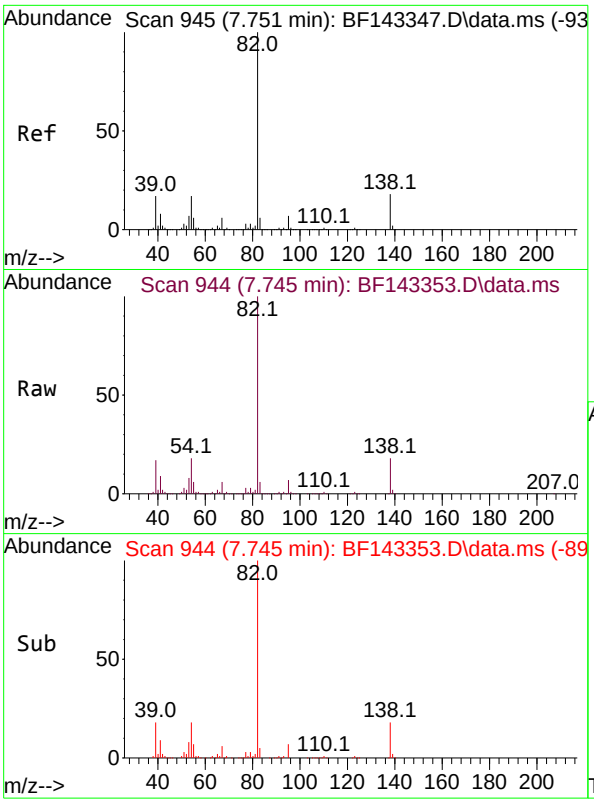


#24
Nitrobenzene
Concen: 46.849 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 77 Resp: 523992

Ion	Ratio	Lower	Upper
77	100		
123	45.0	34.8	52.2
65	14.0	11.0	16.6





#25
Isophorone
Concen: 46.949 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 82 Resp: 98706

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.7	14.6	21.8

Instrument :
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ClientSampleId :
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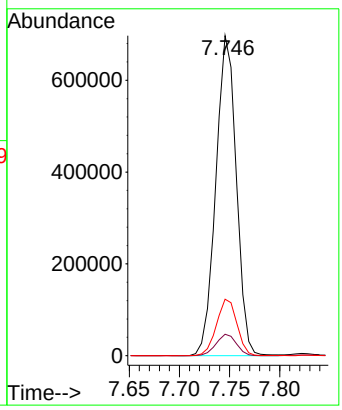
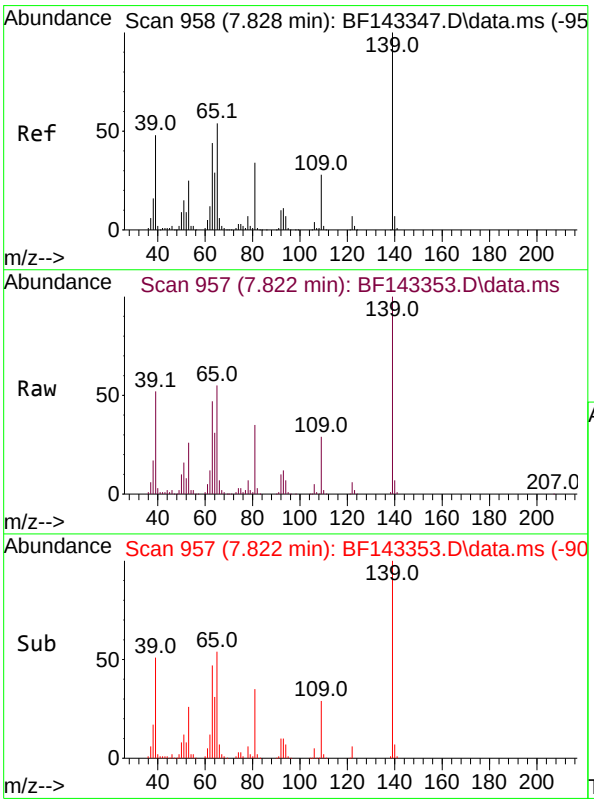
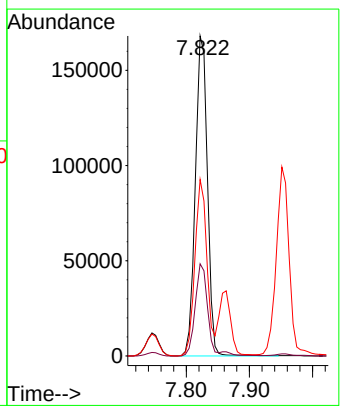


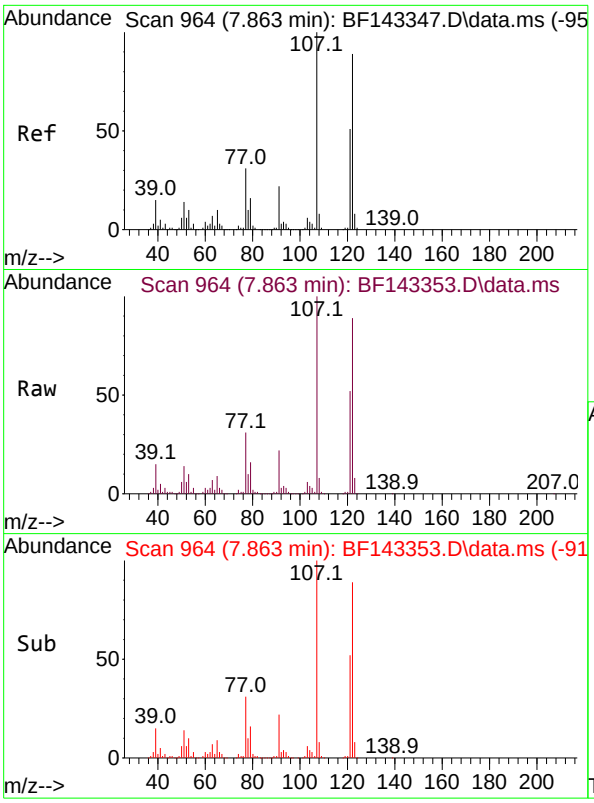


#26
2-Nitrophenol
Concen: 49.716 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:139 Resp: 223468

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.4	33.6
65	55.1	42.9	64.3

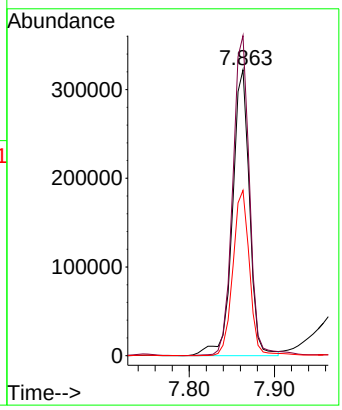




#27
2,4-Dimethylphenol
Concen: 51.243 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:122 Resp: 44946

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.8	46.2	69.4



Instrument :
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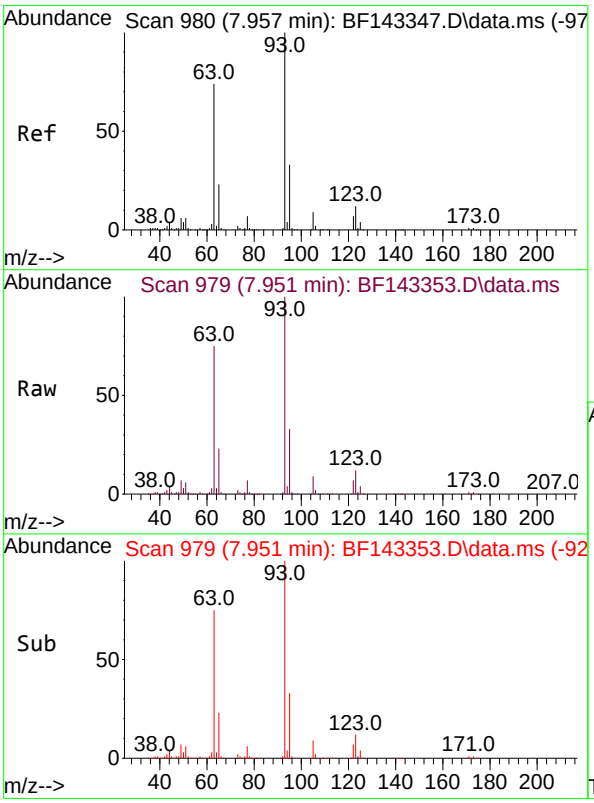
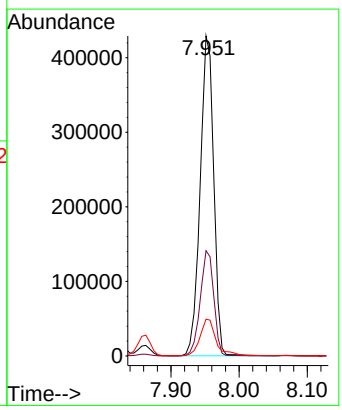
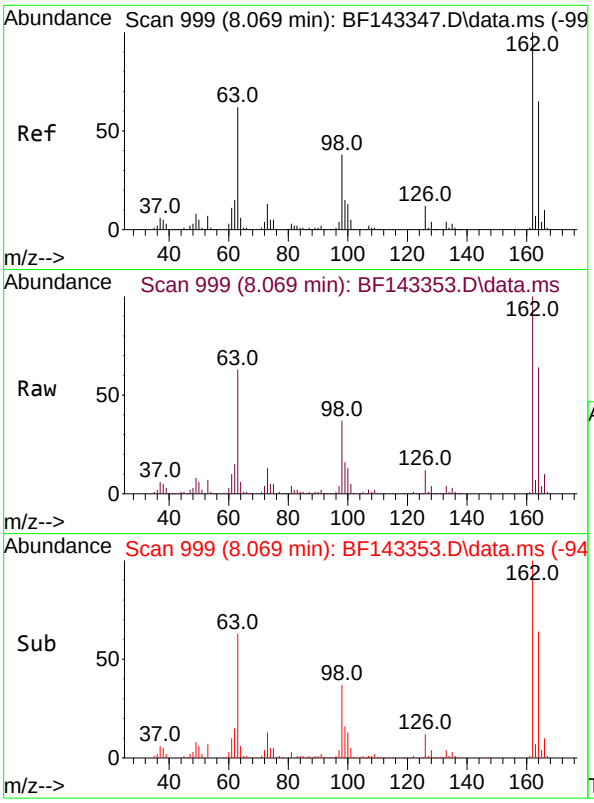


#28
bis(2-Chloroethoxy)methane
Concen: 46.189 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 93 Resp: 592892

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	11.5	9.4	14.2

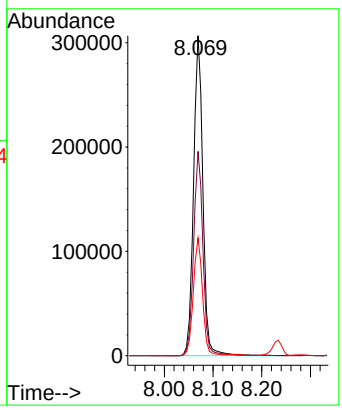




#29
2,4-Dichlorophenol
Concen: 48.004 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:162 Resp: 41125

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.5	84.5
98	36.8	17.7	57.7



Instrument :
BNA_F
ClientSampleId :
PB169189BS

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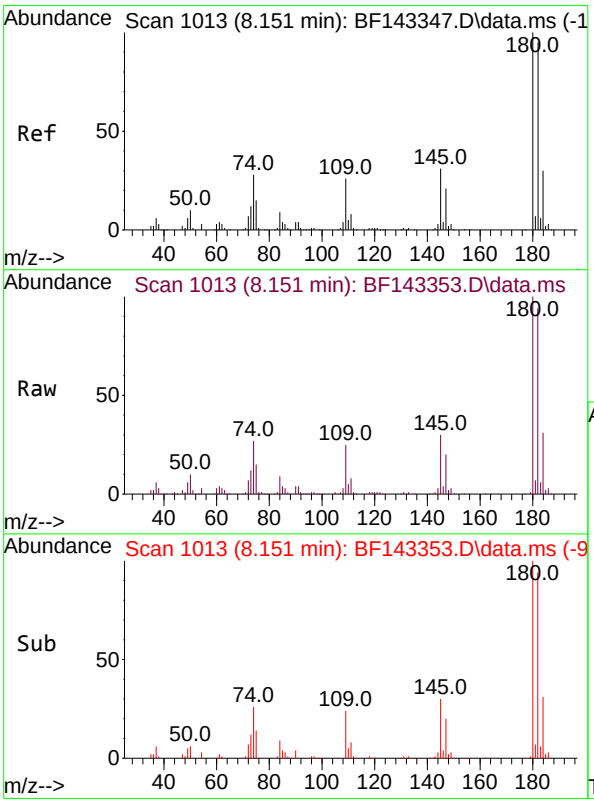
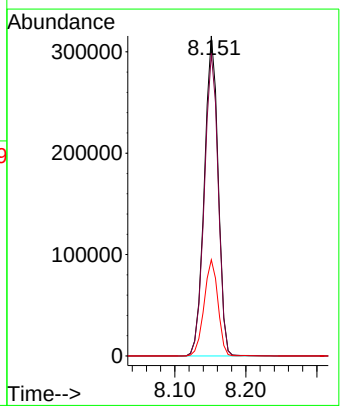
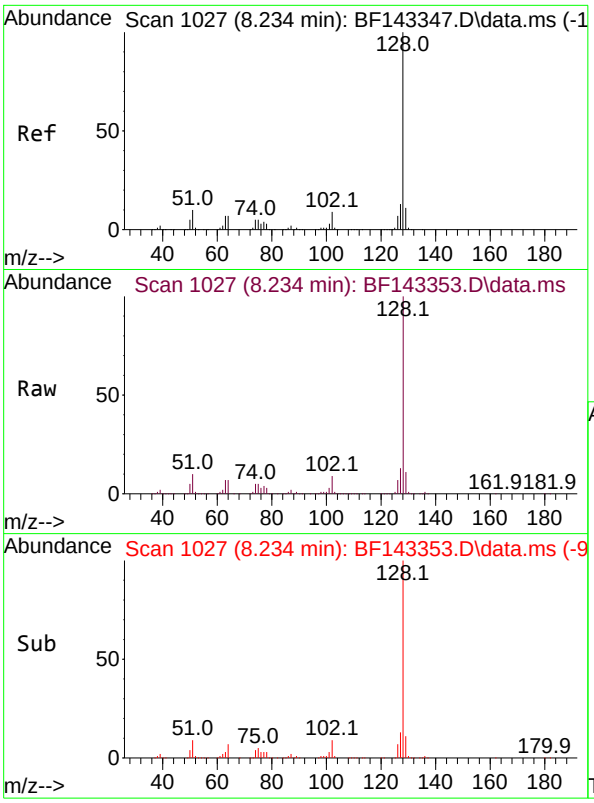


#30
1,2,4-Trichlorobenzene
Concen: 47.335 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:180 Resp: 427753

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	30.0	24.9	37.3

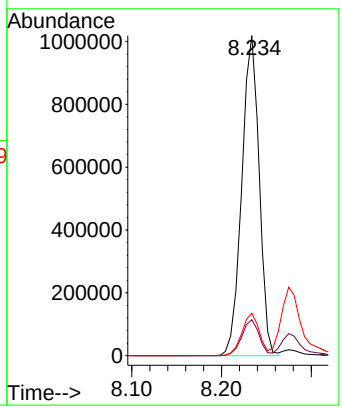




#31
Naphthalene
Concen: 44.415 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:128 Resp: 137066

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.3	10.7	16.1



Instrument :
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ClientSampleId :
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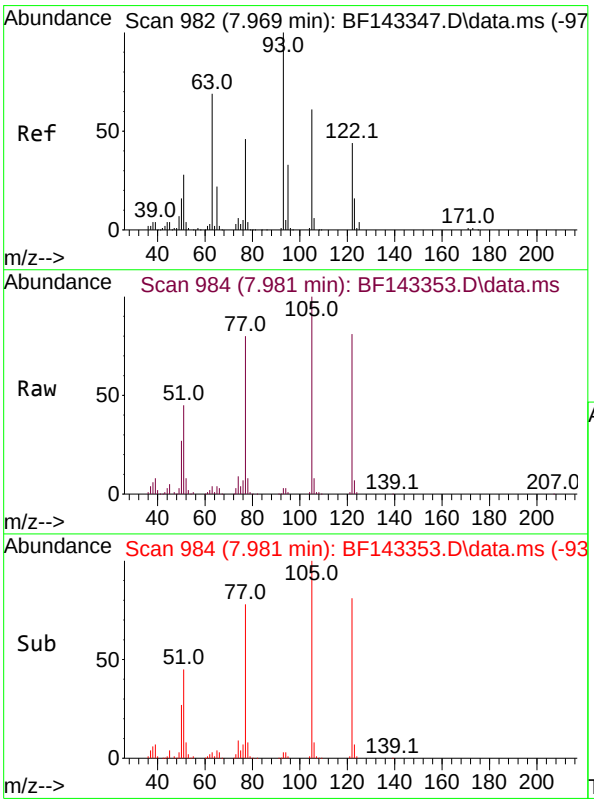
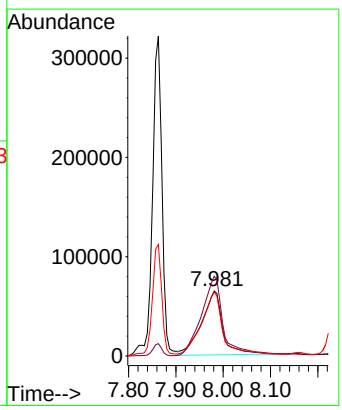
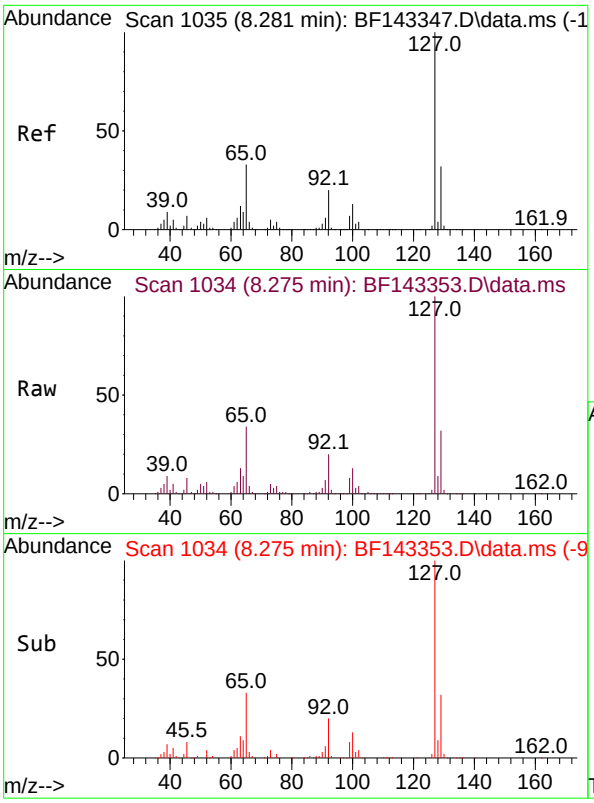


#32
Benzoic acid
Concen: 51.609 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:122 Resp: 201615

Ion	Ratio	Lower	Upper
122	100		
105	122.8	106.4	146.4
77	98.3	79.2	119.2

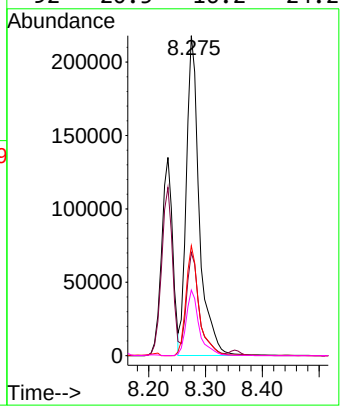




#33
4-Chloroaniline
Concen: 31.006 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:127 Resp: 34512

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	34.3	27.0	40.4
92	20.5	16.2	24.2



Instrument :
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ClientSampleId :
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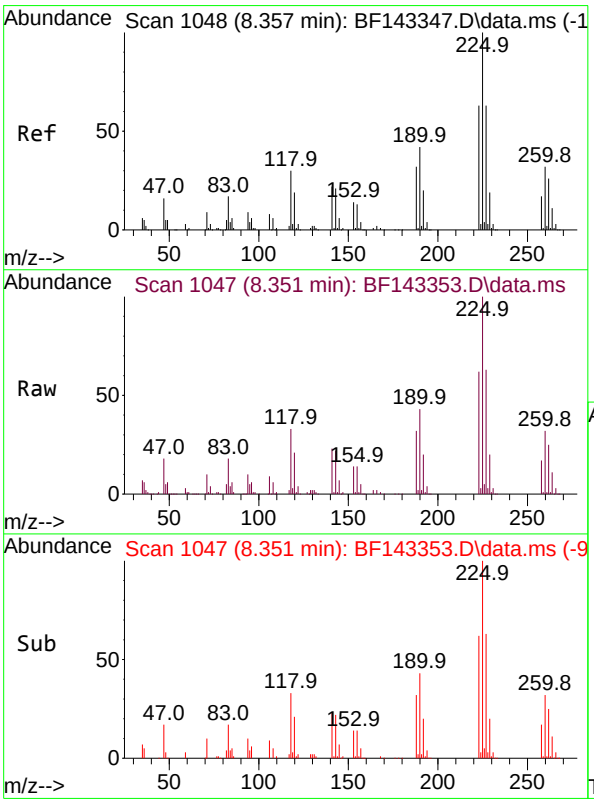
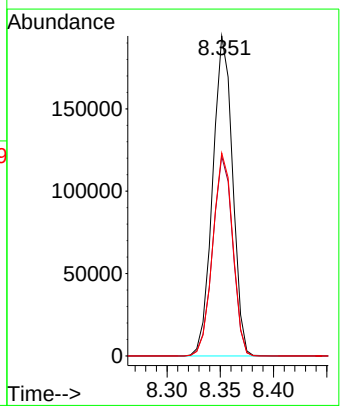
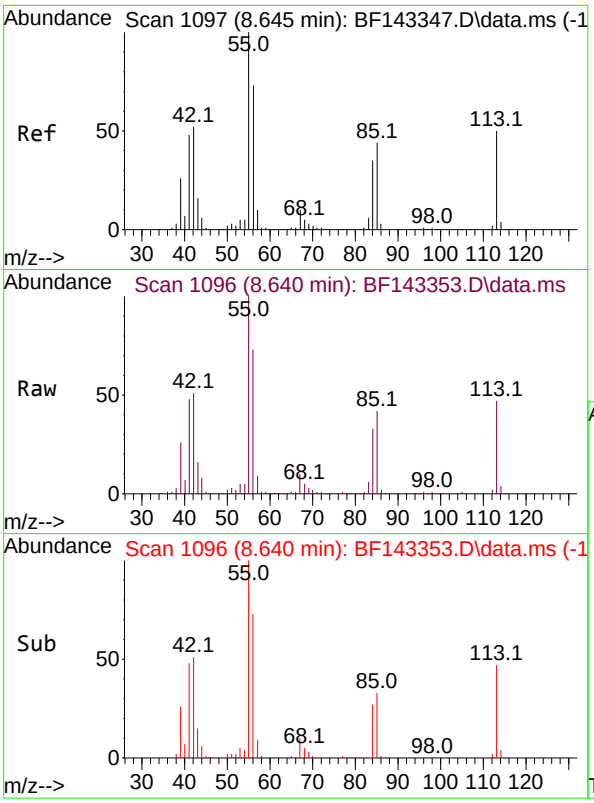


#34
Hexachlorobutadiene
Concen: 44.745 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:225 Resp: 251531

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.1	75.1
227	63.5	50.6	75.8





#35
Caprolactam
Concen: 54.557 ng m
RT: 8.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:113 Resp: 13139

Ion	Ratio	Lower	Upper
113	100		
55	211.0	181.4	221.4
56	154.9	127.3	167.3

Instrument :
BNA_F
ClientSampleId :
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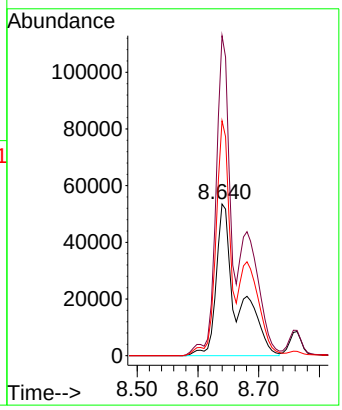
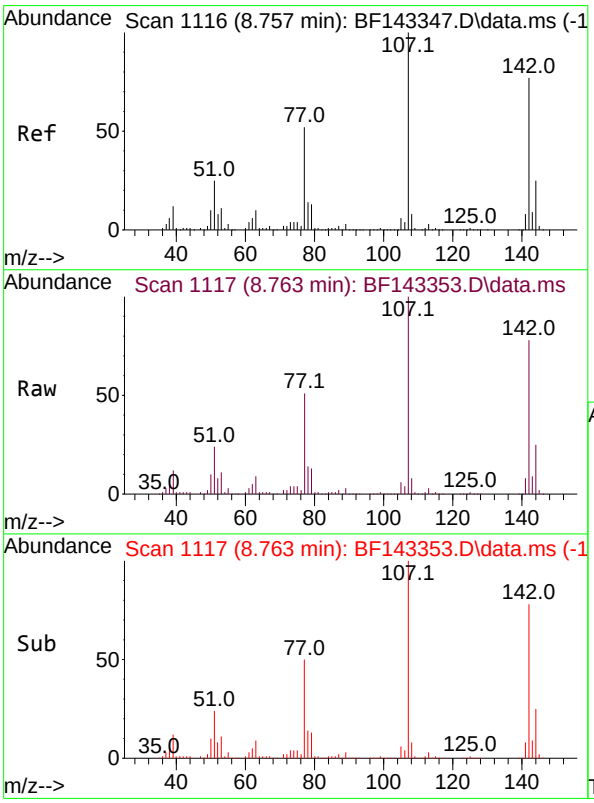
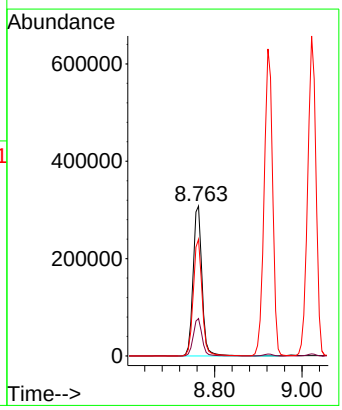


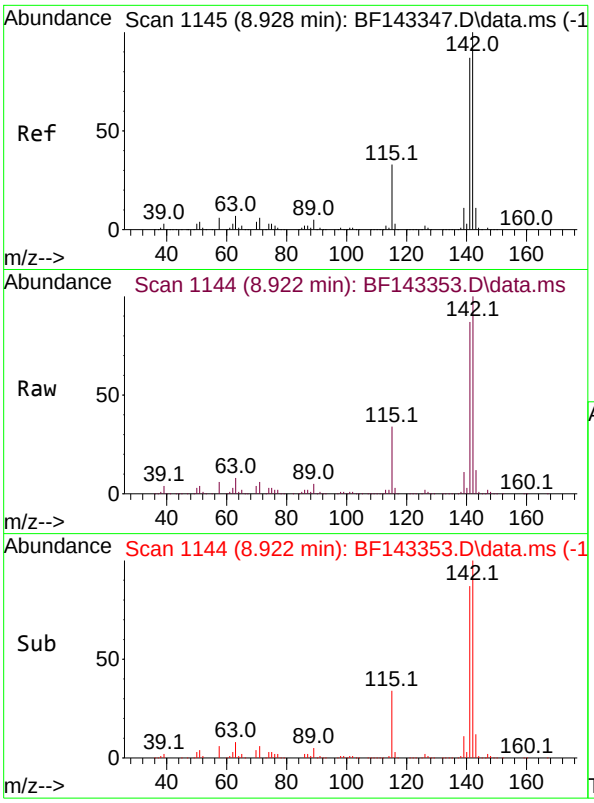


#36
4-Chloro-3-methylphenol
Concen: 48.920 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:107 Resp: 439359

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.0	30.0
142	77.7	61.3	91.9

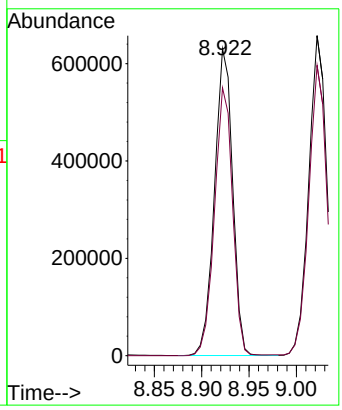




#37
2-Methylnaphthalene
Concen: 41.357 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:142 Resp: 83904

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.8	104.8



Instrument :
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ClientSampleId :
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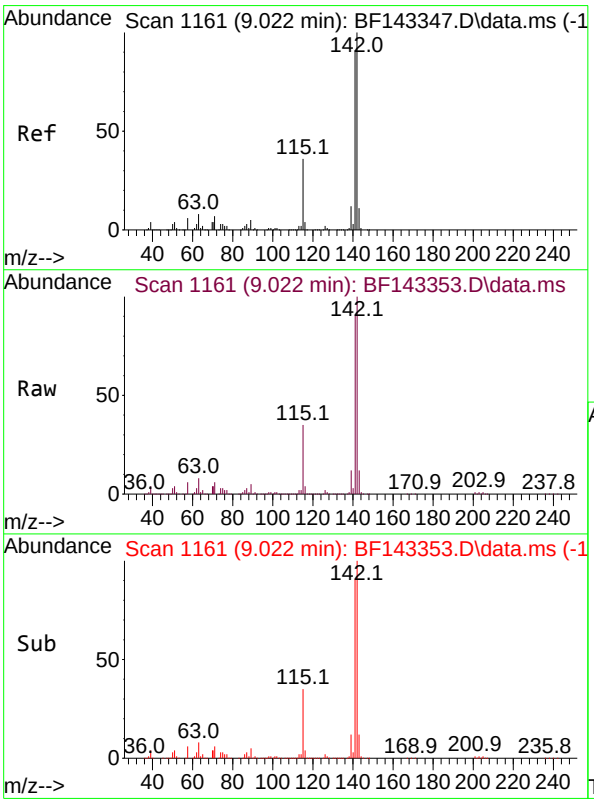
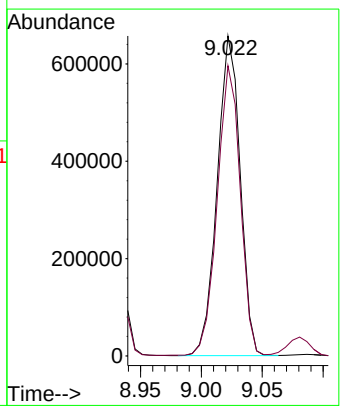
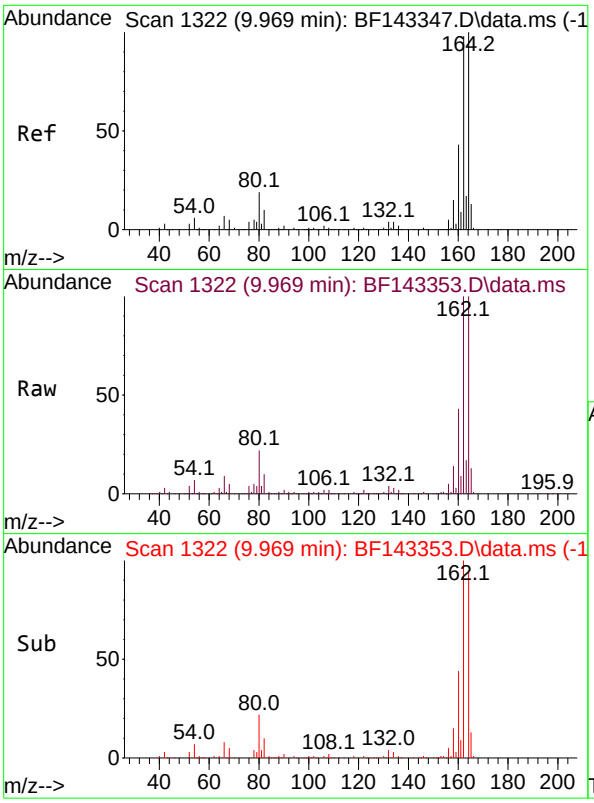


#38
1-Methylnaphthalene
Concen: 44.130 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:142 Resp: 862290

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.4

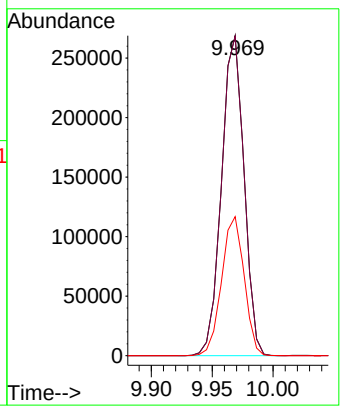




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:164 Resp: 34518

Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.6	118.0
160	43.4	34.4	51.6



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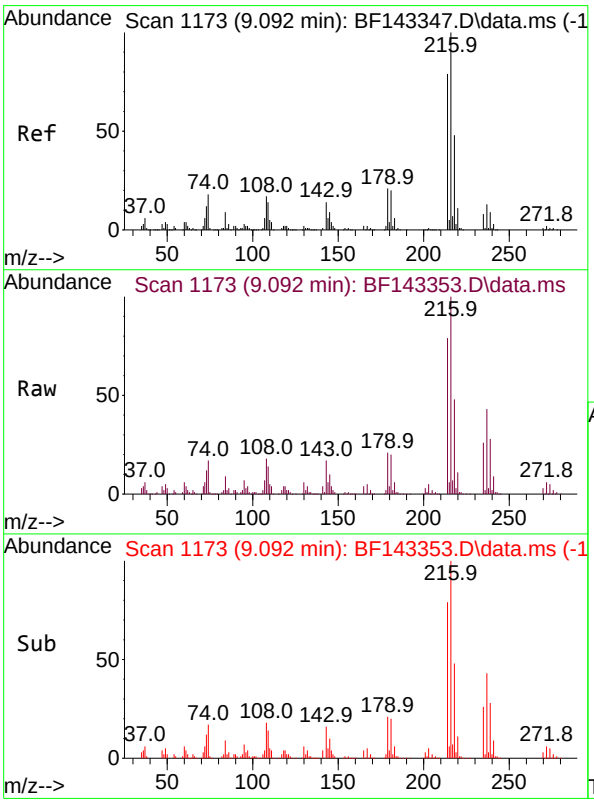
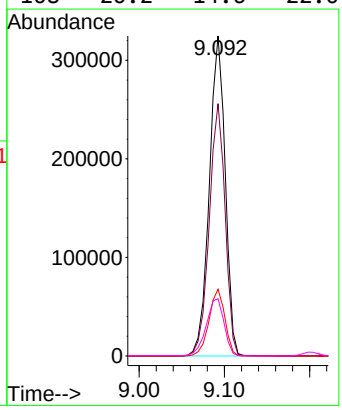
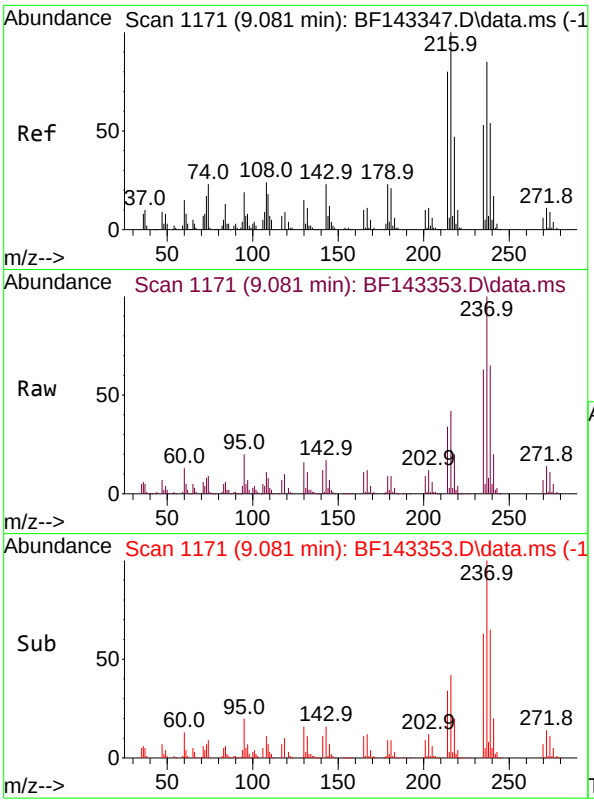


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.528 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:216 Resp: 420596

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	20.8	17.0	25.4
108	20.2	14.6	22.0

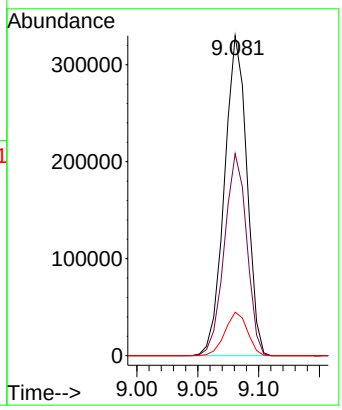




#41
Hexachlorocyclopentadiene
Concen: 123.246 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:237 Resp: 42365

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.0	82.0
272	13.6	0.0	32.6



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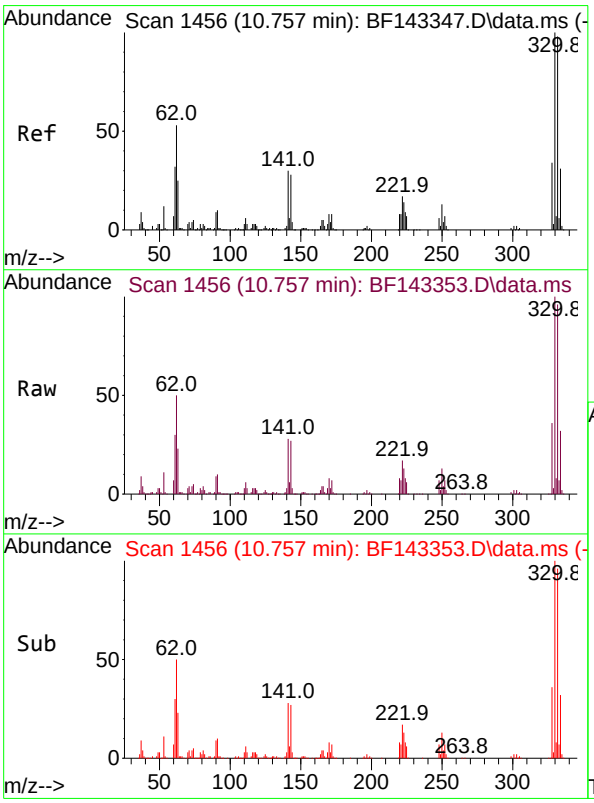
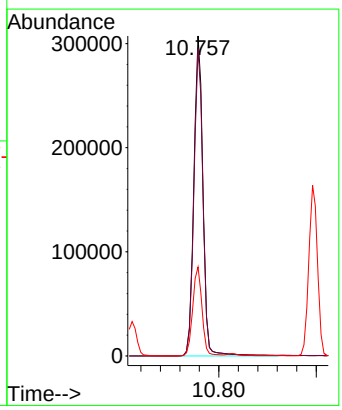
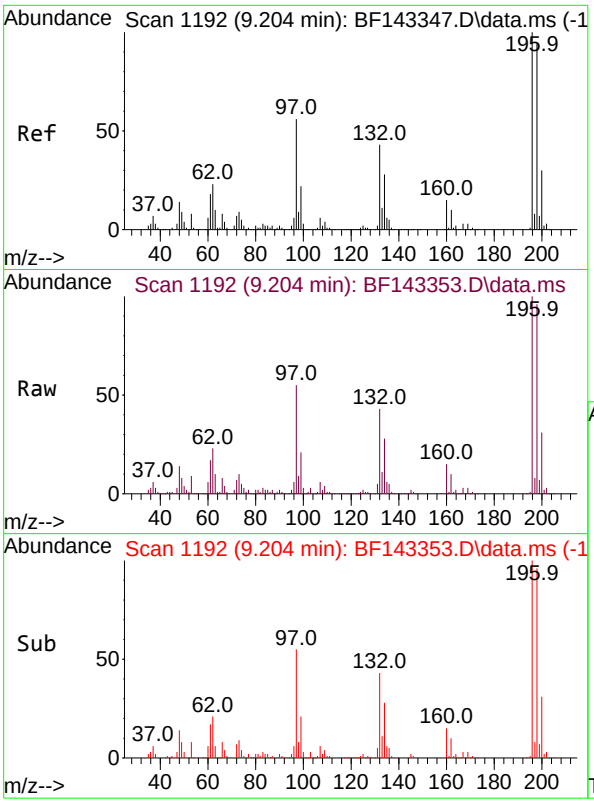


#42
2,4,6-Tribromophenol
Concen: 159.399 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:330 Resp: 402111

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.1	117.1
141	28.4	25.4	38.0

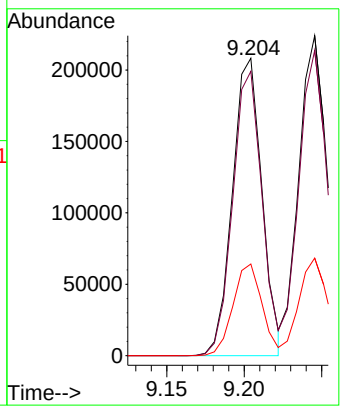




#43
2,4,6-Trichlorophenol
Concen: 51.392 ng
RT: 9.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:196 Resp: 27542

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.4	113.0
200	30.8	24.3	36.5



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ClientSampleId :
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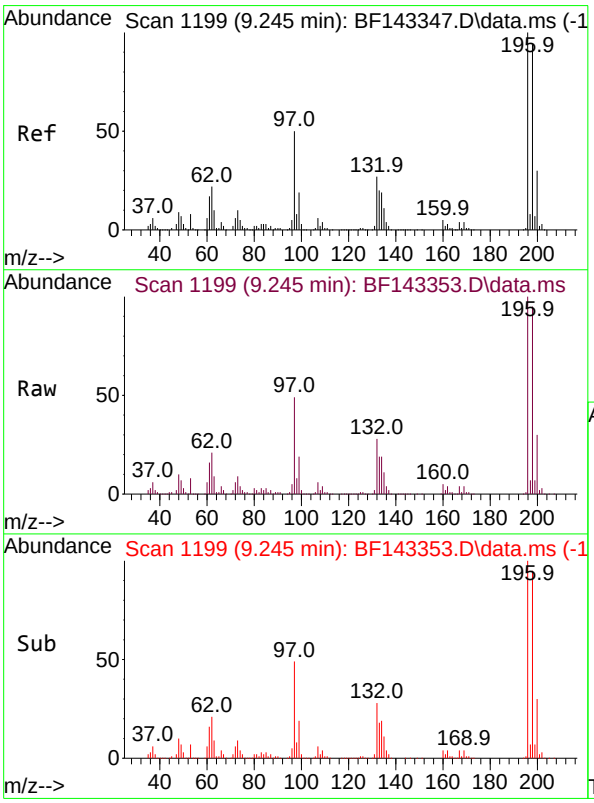
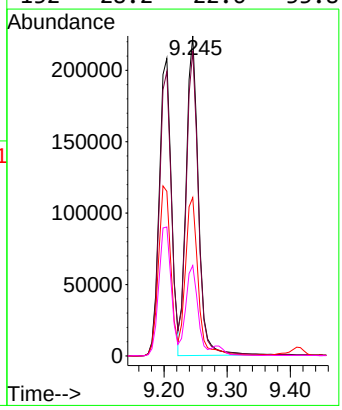
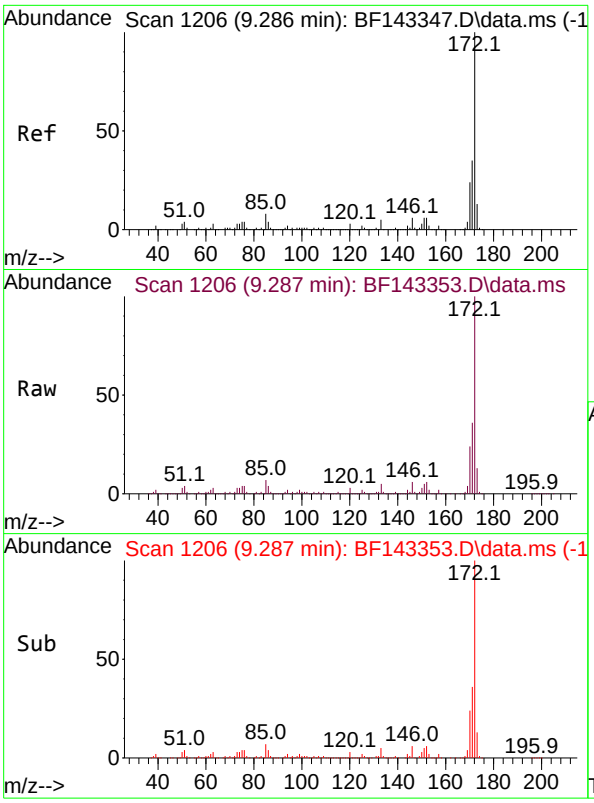


#44
2,4,5-Trichlorophenol
Concen: 49.951 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:196 Resp: 302307

Ion	Ratio	Lower	Upper
196	100		
198	95.4	75.4	113.2
97	49.5	39.9	59.9
132	28.2	22.6	33.8

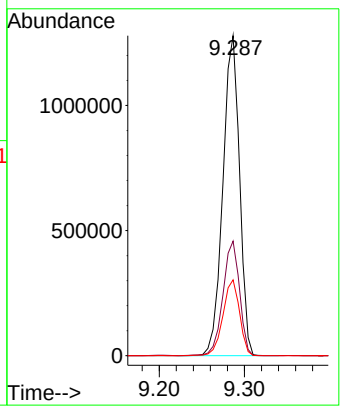




#45
2-Fluorobiphenyl
Concen: 85.324 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:172 Resp: 173683

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.7	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
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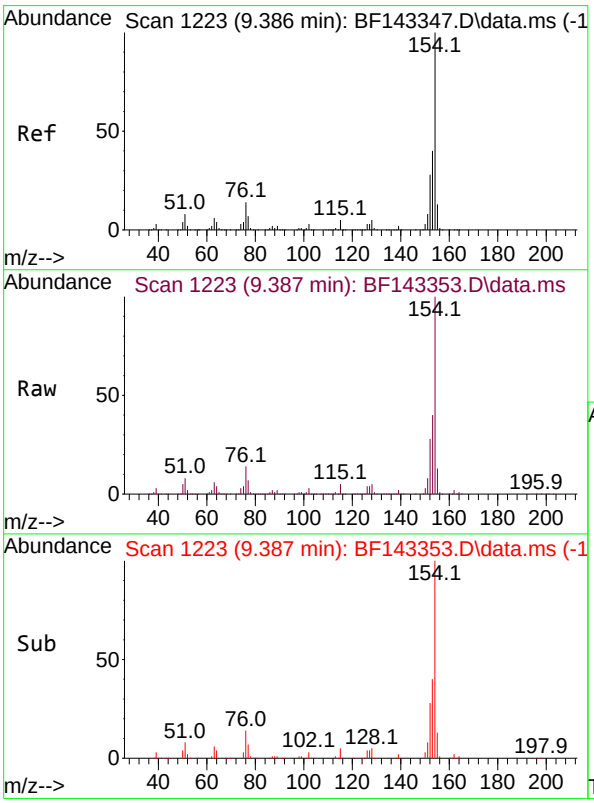
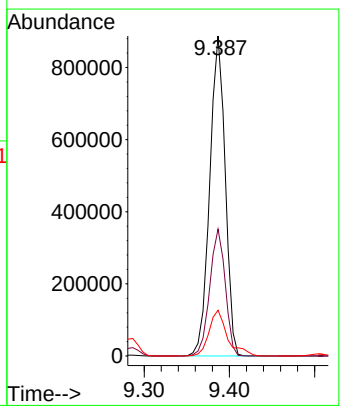
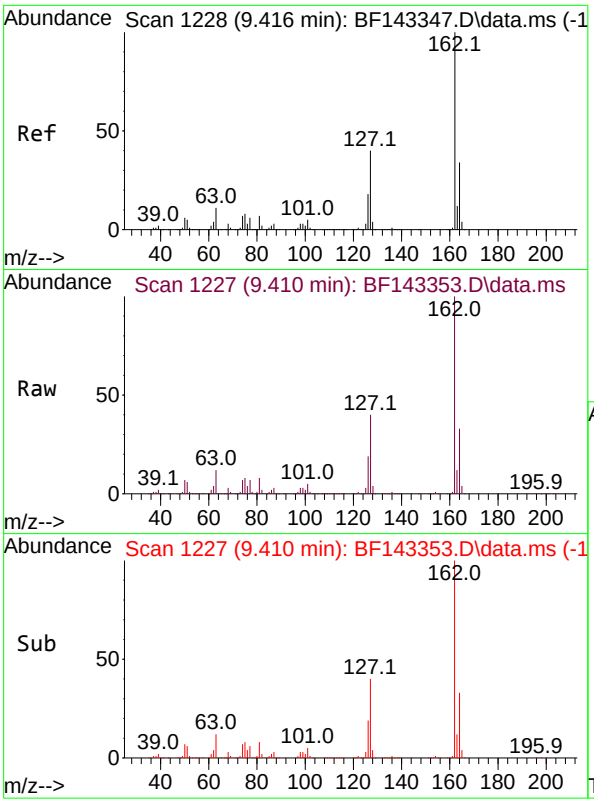


#46
1,1'-Biphenyl
Concen: 45.937 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:154 Resp: 1121150

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.2	60.2
76	14.3	0.0	34.4

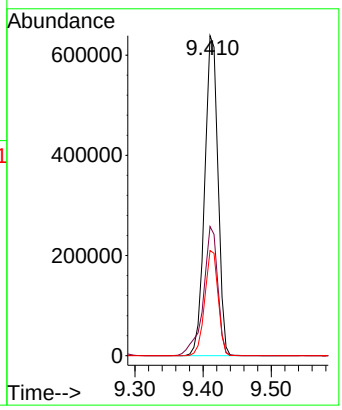




#47
2-Chloronaphthalene
Concen: 45.021 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:162 Resp: 86538

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.1	48.1
164	32.9	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
PB169189BS

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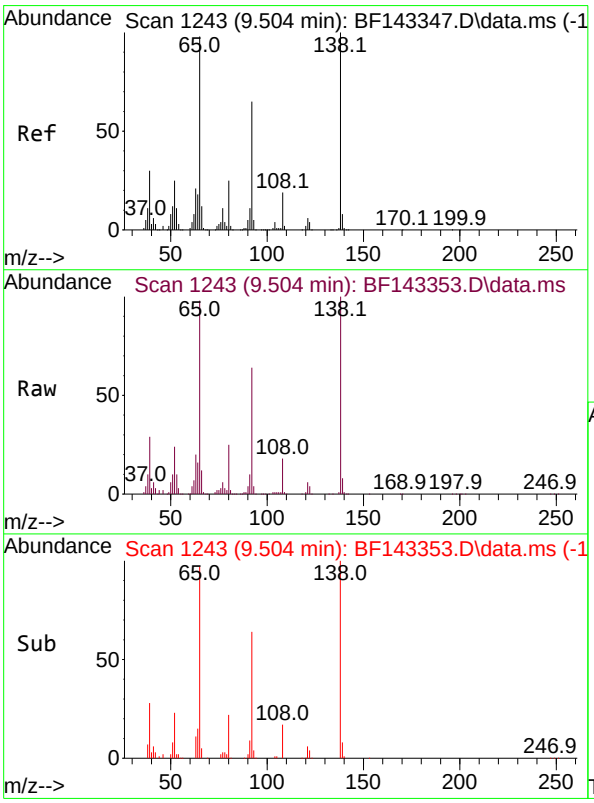
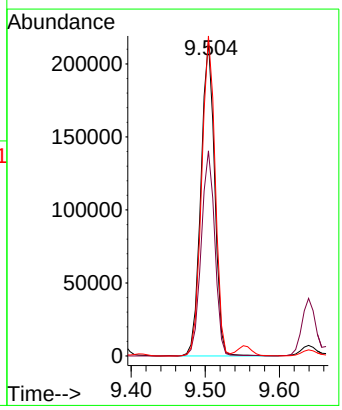
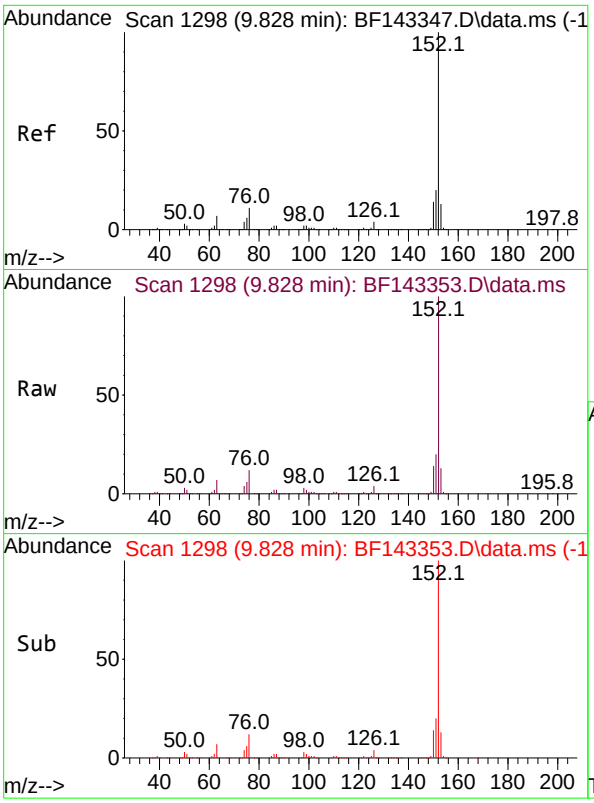


#48
2-Nitroaniline
Concen: 49.767 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 65 Resp: 276499

Ion	Ratio	Lower	Upper
65	100		
92	65.2	53.1	79.7
138	101.8	81.4	122.0

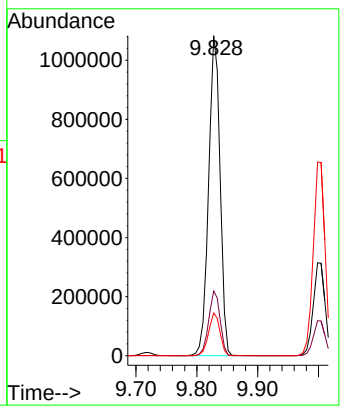




#49
Acenaphthylene
Concen: 50.983 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:152 Resp: 141520

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



Instrument :
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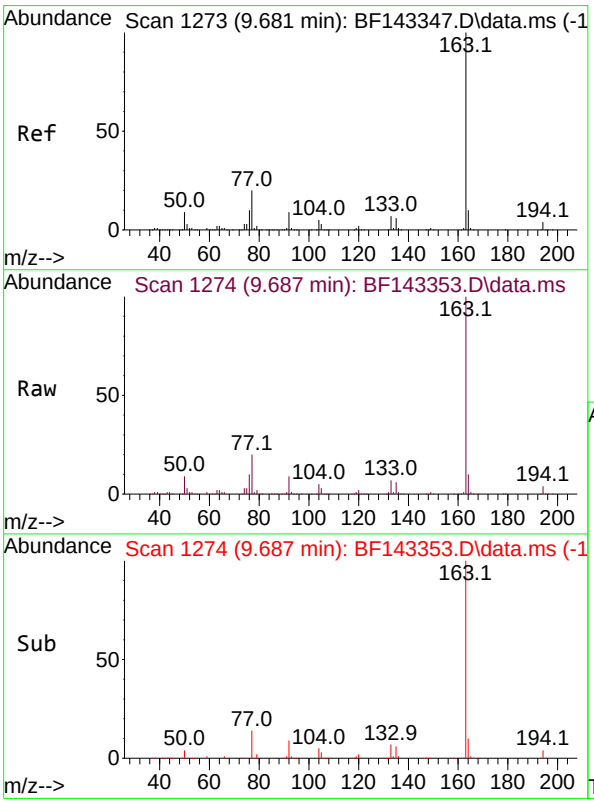
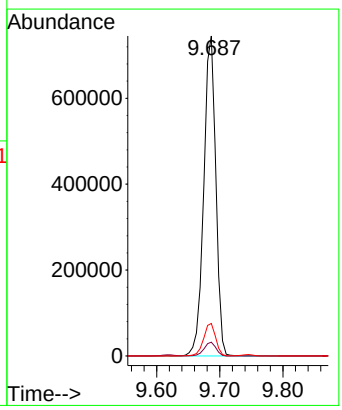
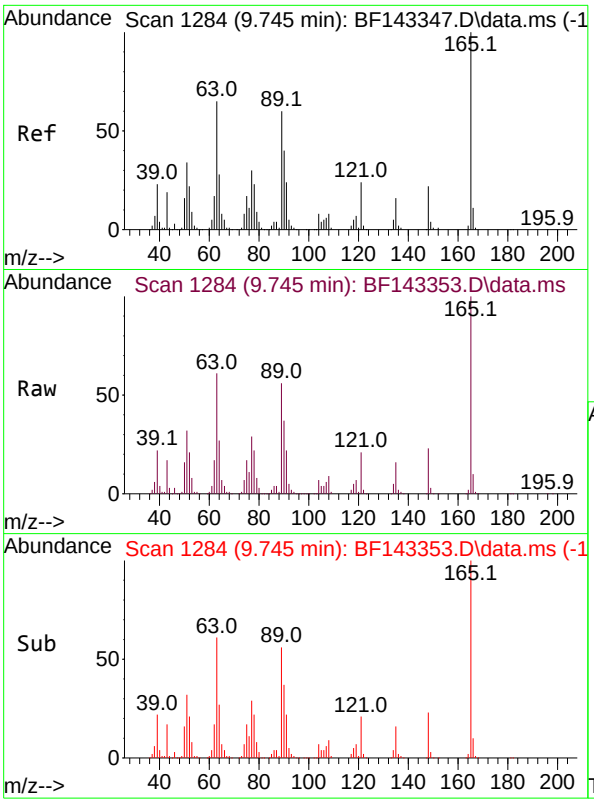


#50
Dimethylphthalate
Concen: 49.086 ng
RT: 9.687 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:163 Resp: 990050

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 54.918 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:165 Resp: 21134

Ion	Ratio	Lower	Upper
165	100		
63	61.1	51.6	77.4
89	56.3	47.7	71.5

Instrument :
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ClientSampleId :
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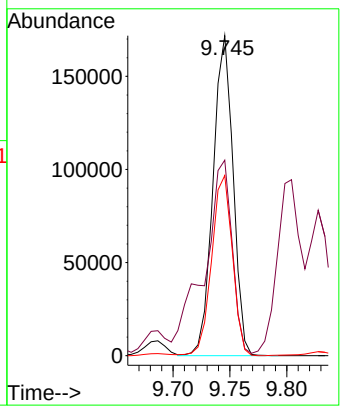
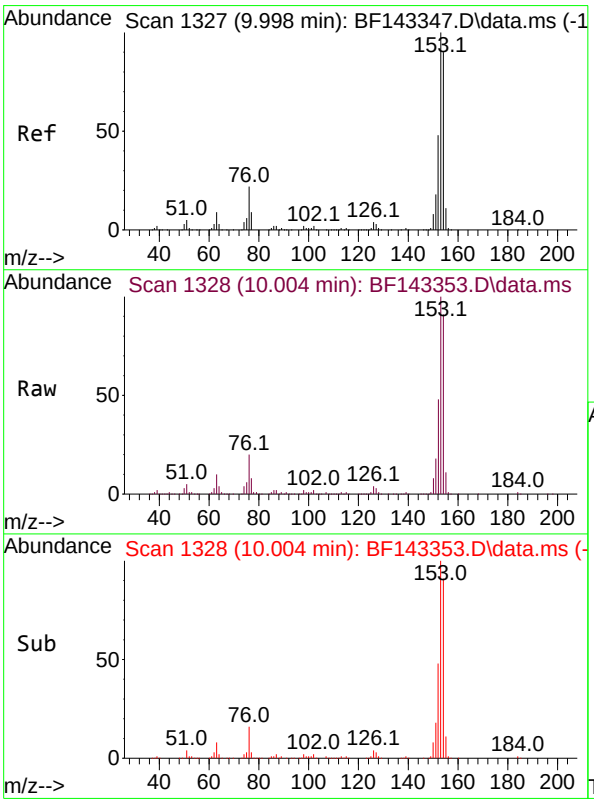
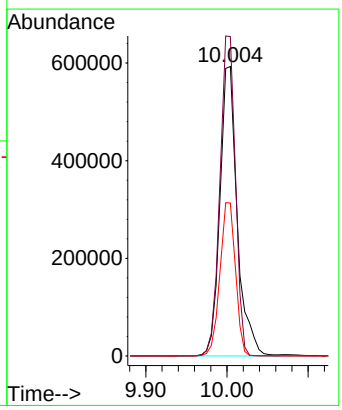


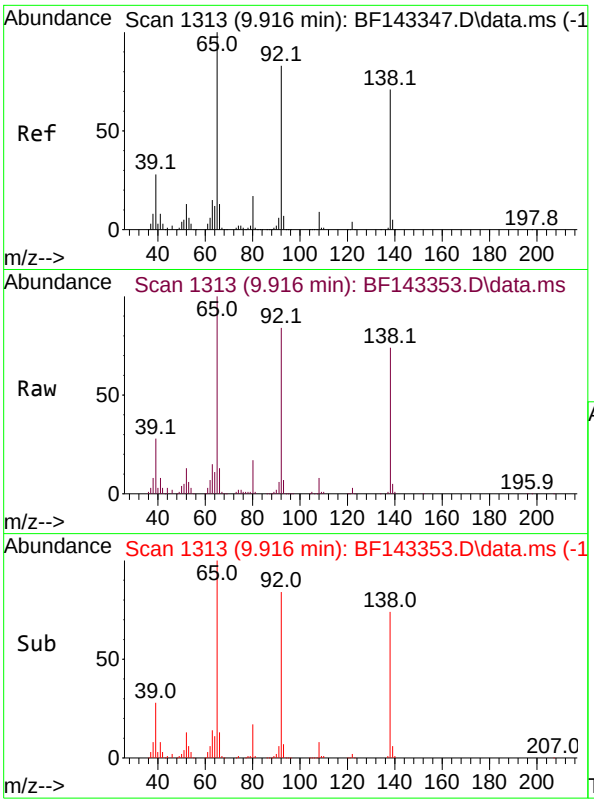


#52
Acenaphthene
Concen: 47.940 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:154 Resp: 884703

Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.5	132.7
152	52.9	42.4	63.6





#53
3-Nitroaniline
Concen: 39.359 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:138 Resp: 16257

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.6	14.4
92	114.1	93.4	140.2

Instrument :
BNA_F
ClientSampleId :
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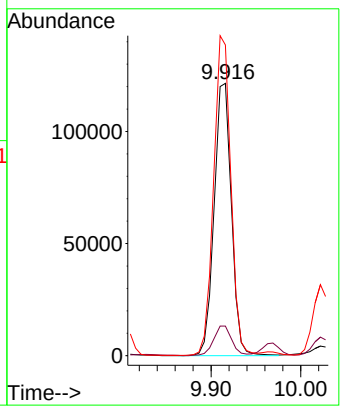
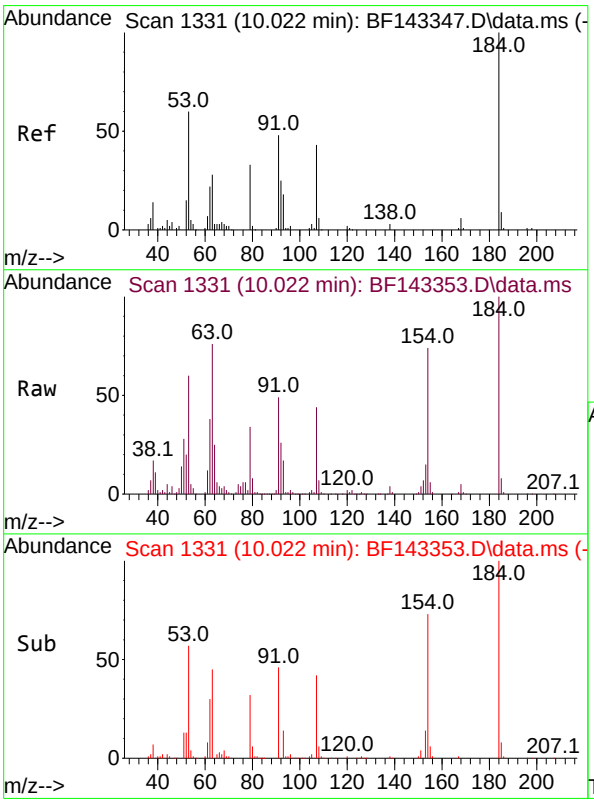
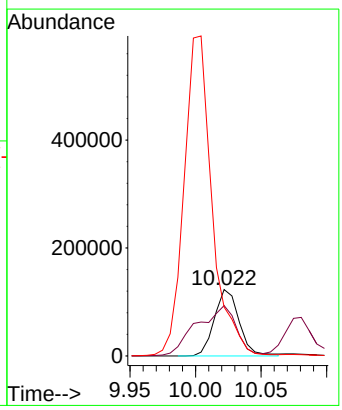


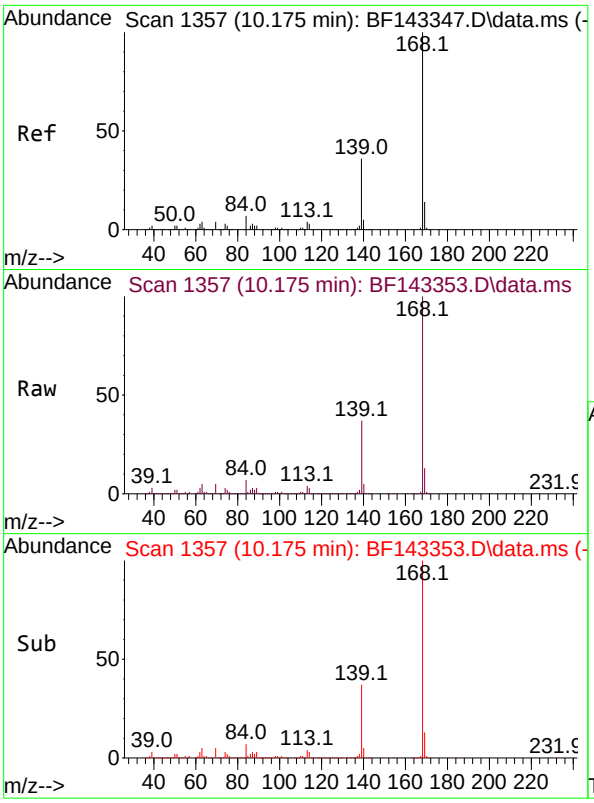


#54
2,4-Dinitrophenol
Concen: 92.709 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:184 Resp: 162049

Ion	Ratio	Lower	Upper
184	100		
63	75.9	62.5	93.7
154	73.6	73.0	109.4

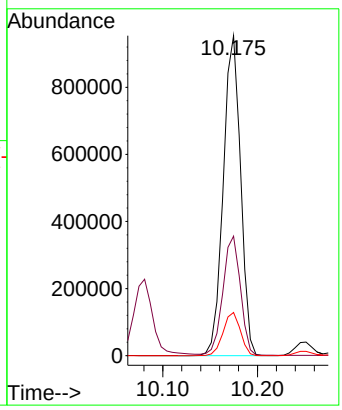




#55
Dibenzofuran
Concen: 45.684 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:168 Resp: 121336

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.4	44.0
169	13.5	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
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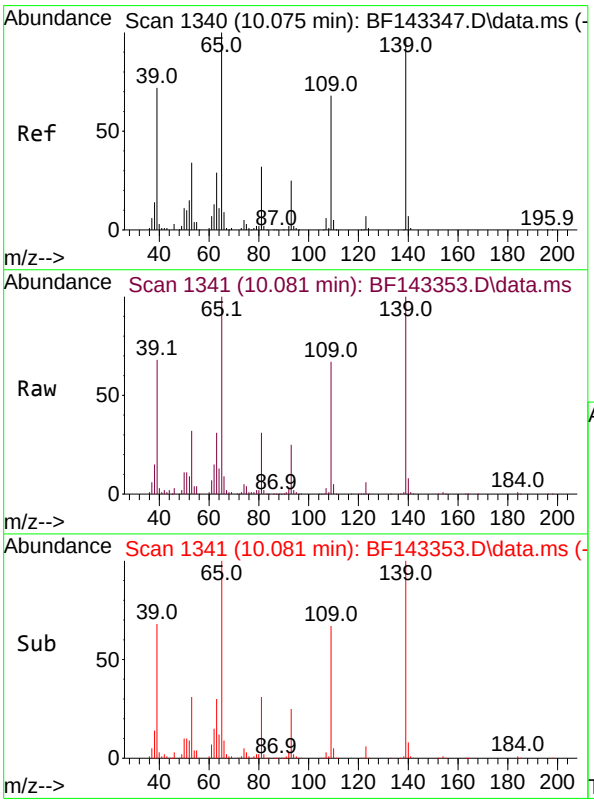
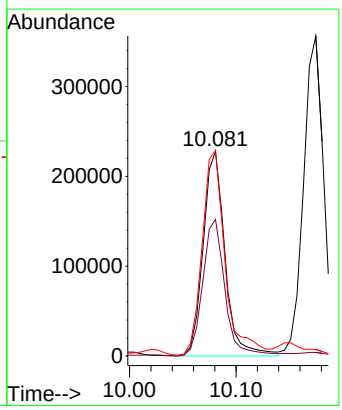
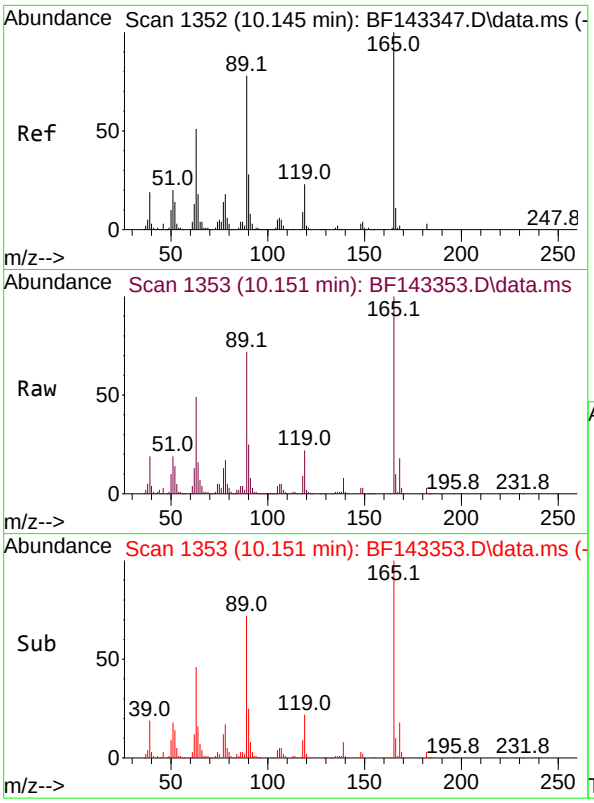


#56
4-Nitrophenol
Concen: 97.305 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:139 Resp: 325418

Ion	Ratio	Lower	Upper
139	100		
109	66.7	49.4	89.4
65	100.2	83.7	123.7

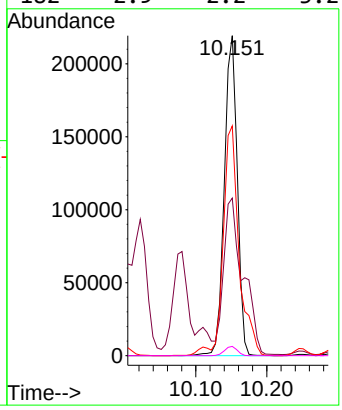




#57
2,4-Dinitrotoluene
Concen: 54.302 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:165 Resp: 27716

Ion	Ratio	Lower	Upper
165	100		
63	49.2	41.8	62.8
89	71.8	62.4	93.6
182	2.9	2.2	3.2



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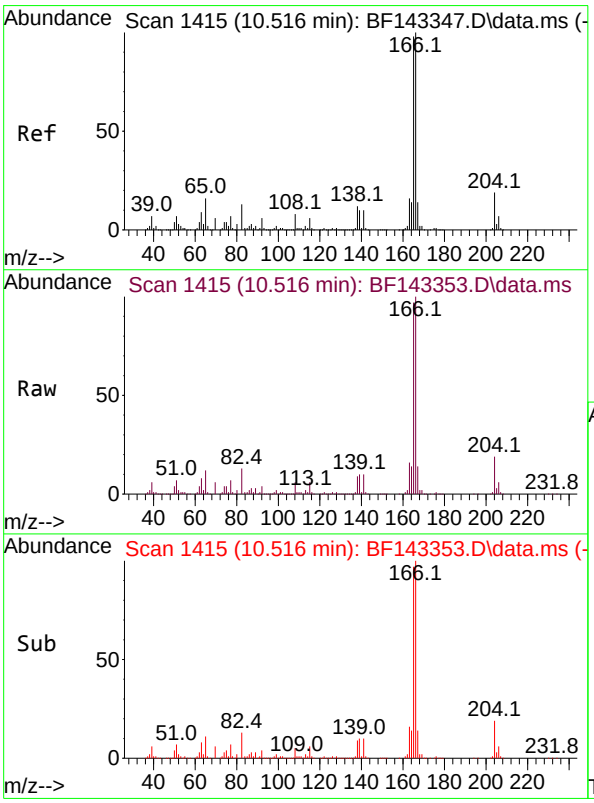
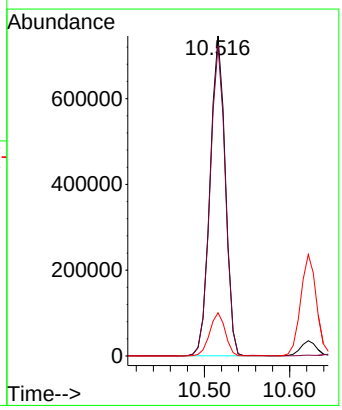
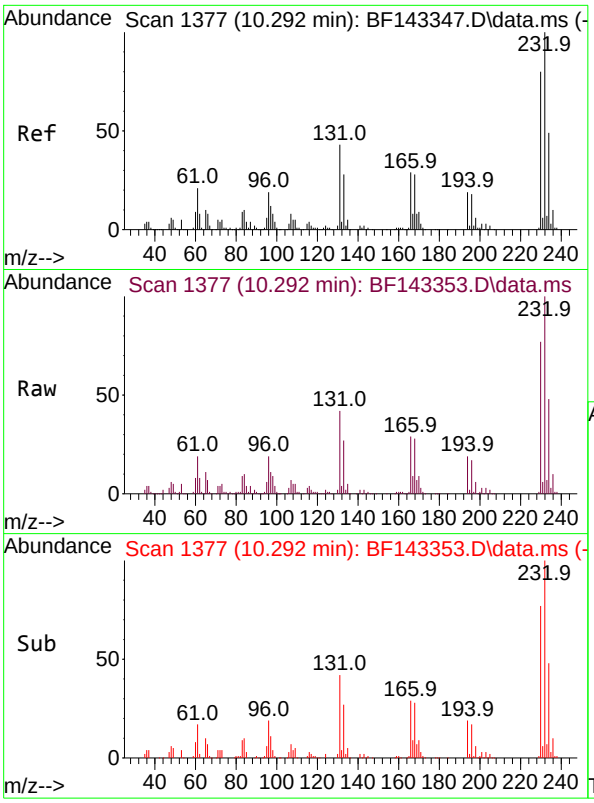


#58
Fluorene
Concen: 45.869 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:166 Resp: 930533

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.2	117.4
167	13.5	10.9	16.3

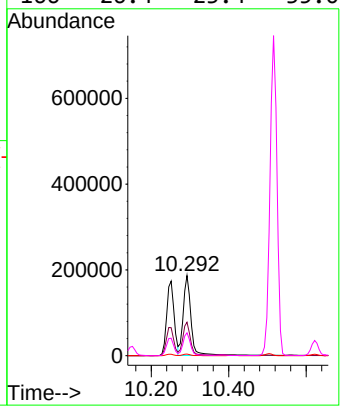




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.089 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:232 Resp: 26146

Ion	Ratio	Lower	Upper
232	100		
131	40.8	34.6	51.8
130	2.1	1.7	2.5
166	26.4	23.4	35.0



Instrument :
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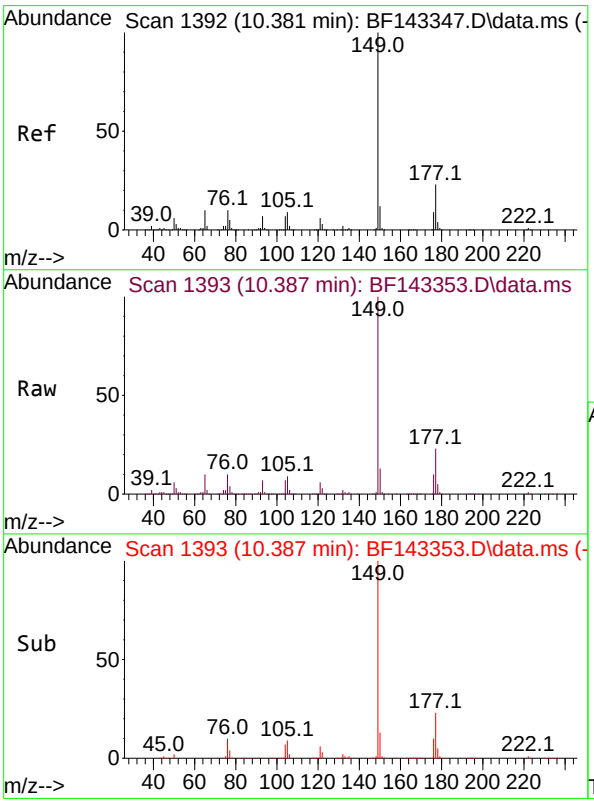
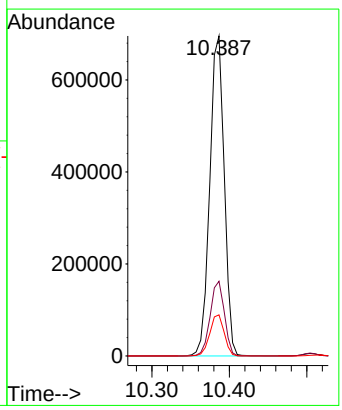
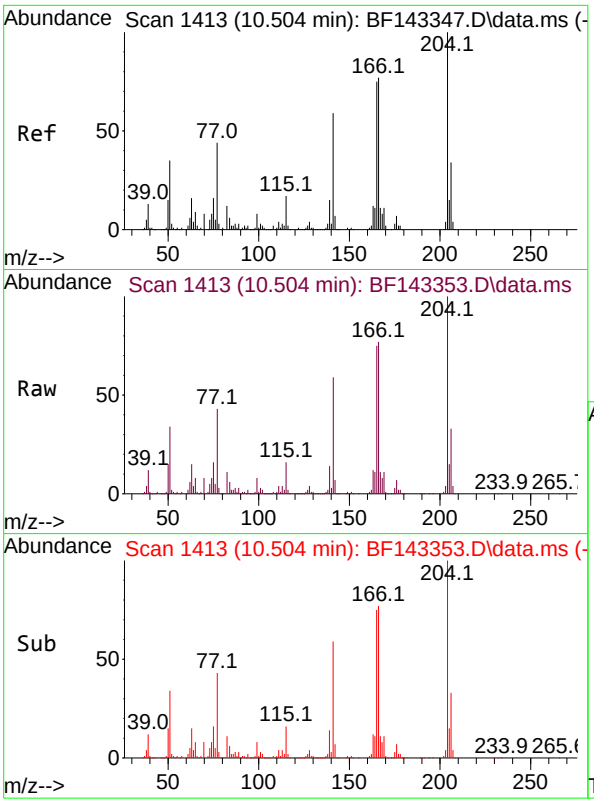


#60
Diethylphthalate
Concen: 49.990 ng
RT: 10.387 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 903138

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.2
150	12.9	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 46.404 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:204 Resp: 45487

Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.4	41.2
141	59.0	46.9	70.3

Instrument :
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ClientSampleId :
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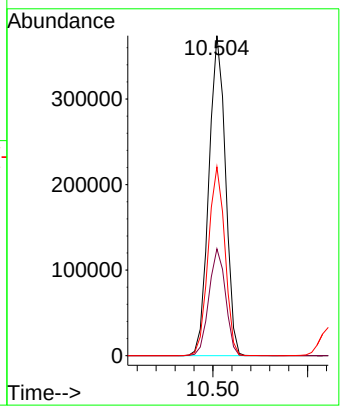
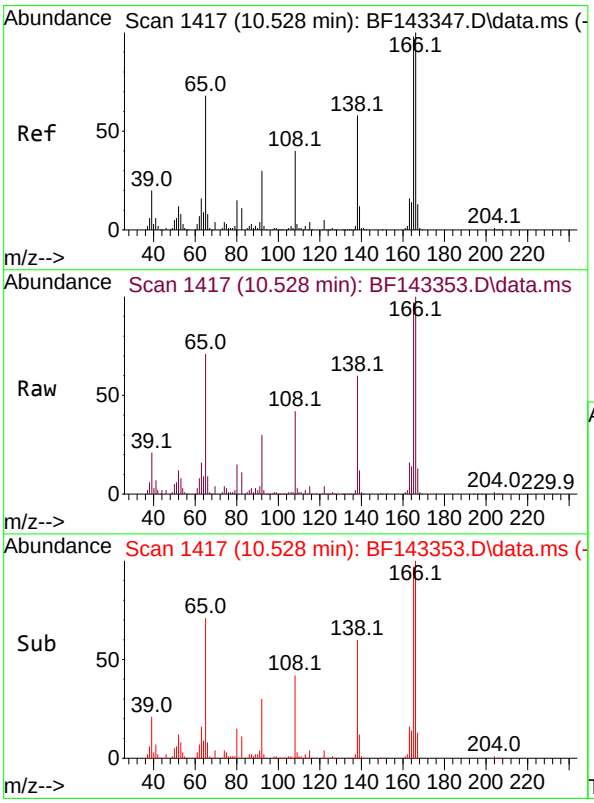
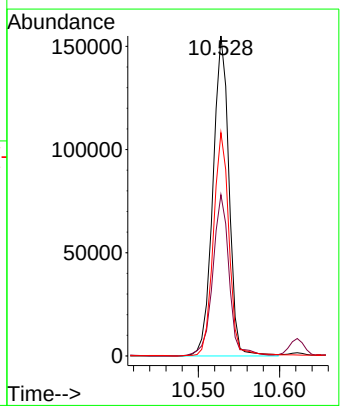


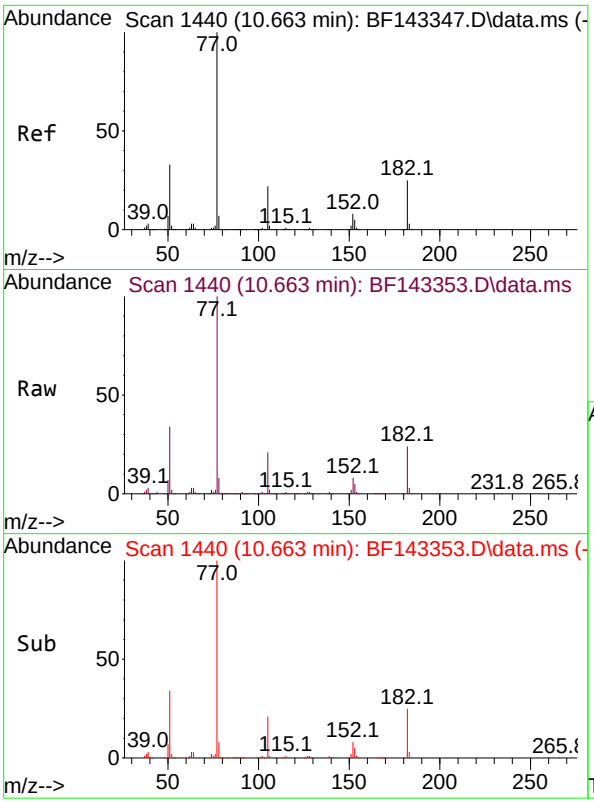


#62
4-Nitroaniline
Concen: 53.506 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:138 Resp: 213830

Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.2	71.2
108	69.8	48.1	88.1





#63
Azobenzene
Concen: 48.123 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Instrument :
BNA_F
ClientSampleId :
PB169189BS

Tgt Ion: 77 Resp: 99305

Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.4	44.4
105	21.3	1.8	41.8
51	33.9	13.7	53.7

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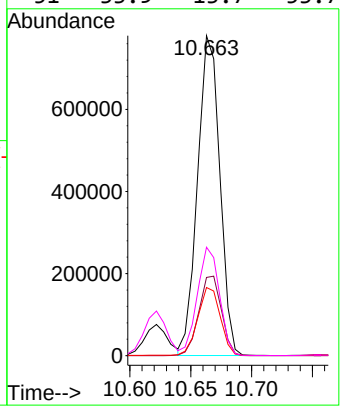
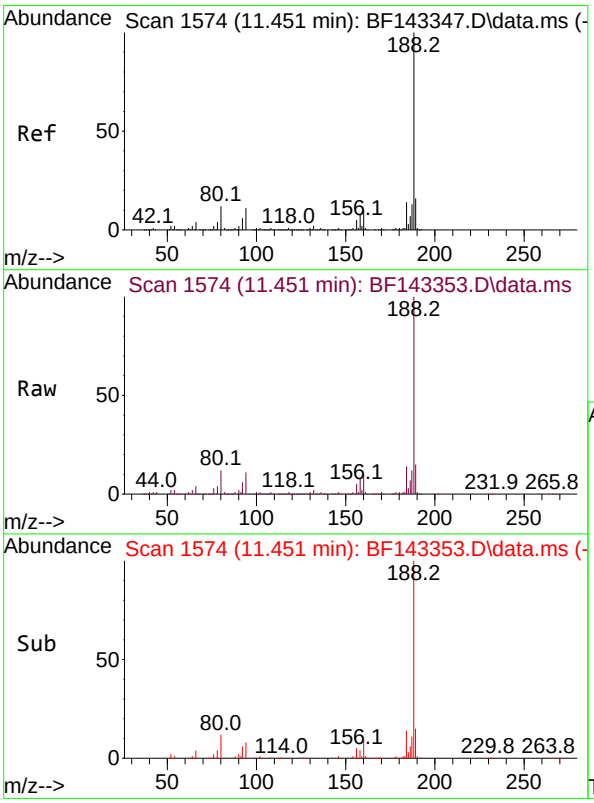
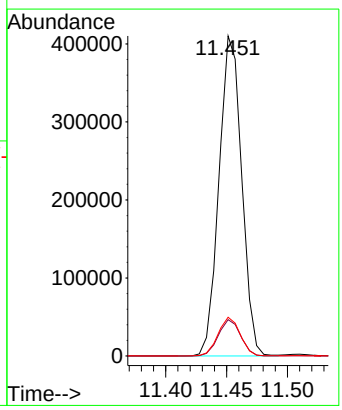


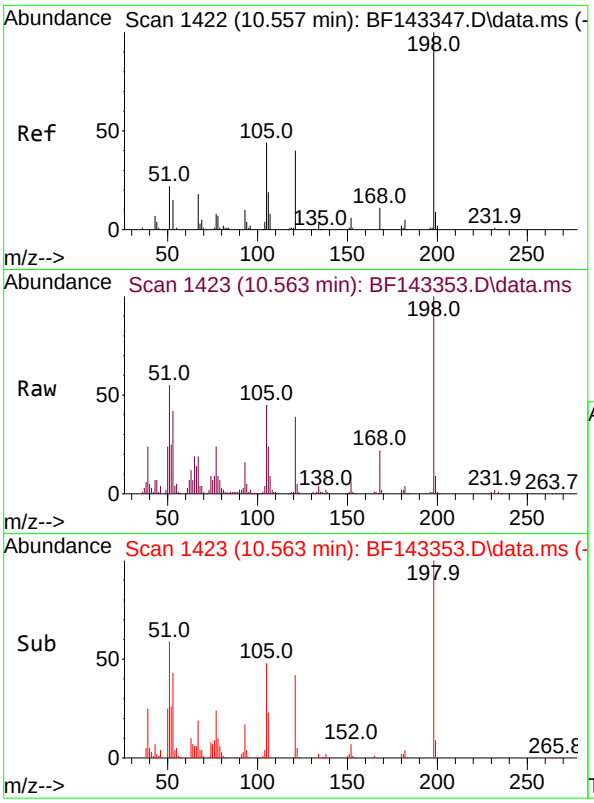


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:188 Resp: 531787

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.8	13.2
80	12.1	9.7	14.5

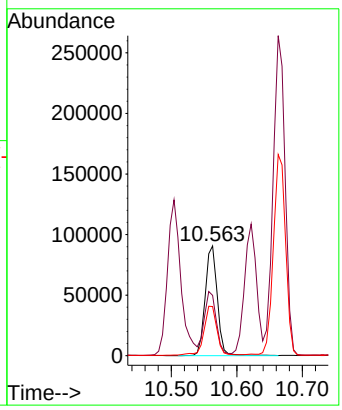




#65
4,6-Dinitro-2-methylphenol
Concen: 53.379 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:198 Resp: 11690

Ion	Ratio	Lower	Upper
198	100		
51	55.0	41.7	81.7
105	44.8	26.8	66.8



Instrument :
BNA_F
ClientSampleId :
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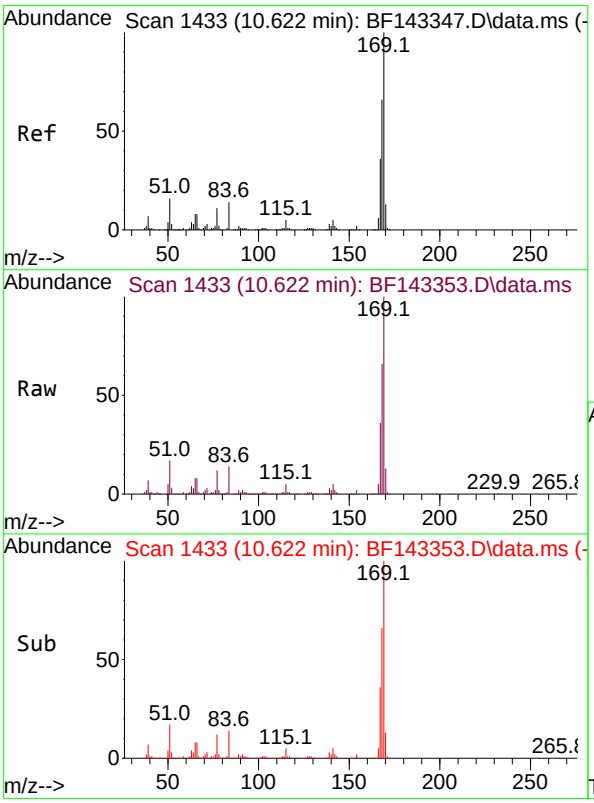
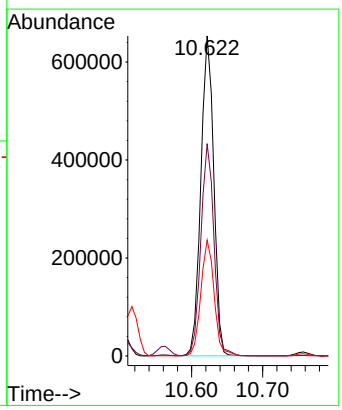
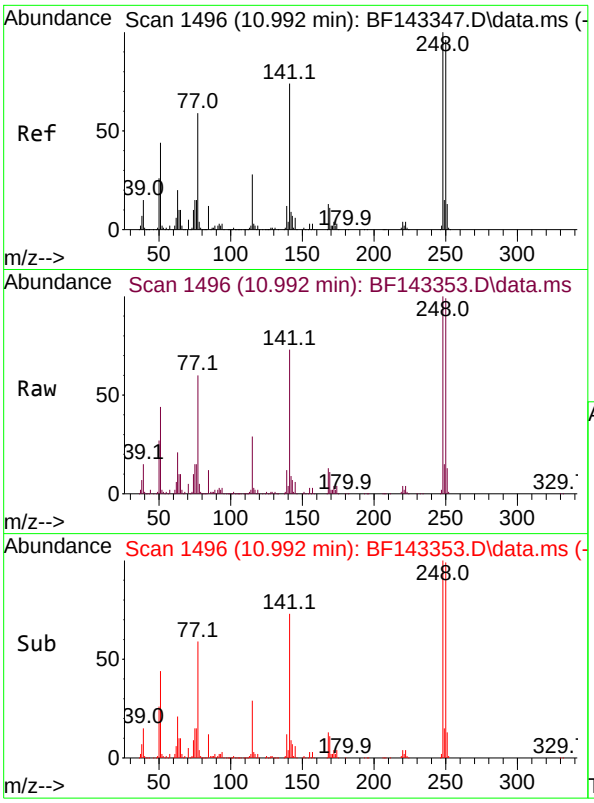


#66
n-Nitrosodiphenylamine
Concen: 47.235 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:169 Resp: 827105

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.7	79.1
167	36.2	28.6	42.8





#67
4-Bromophenyl-phenylether
Concen: 47.126 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:248 Resp: 28661

Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.1	115.7
141	73.4	59.1	88.7

Instrument :
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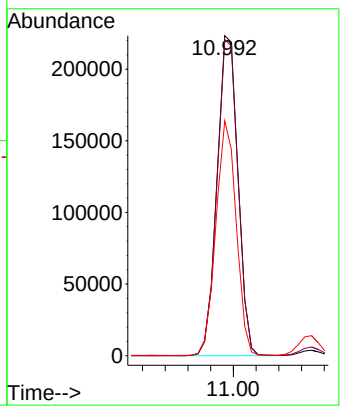
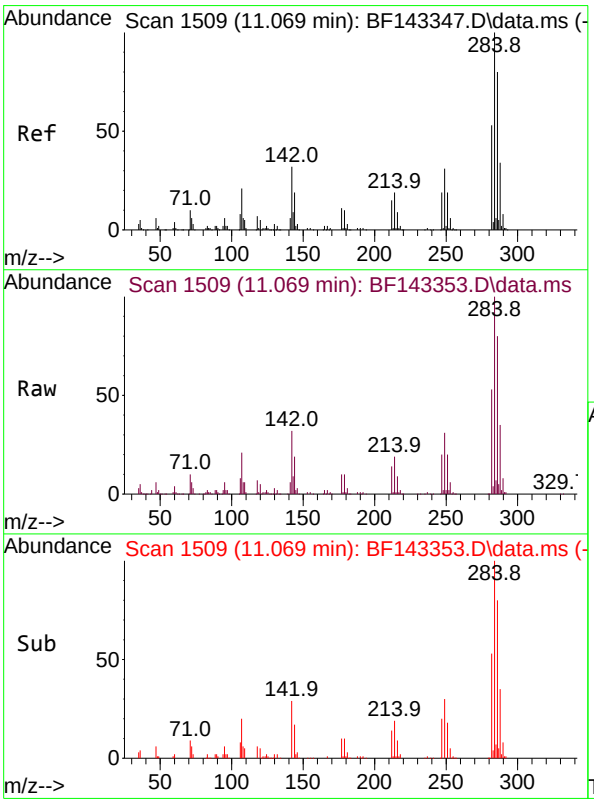
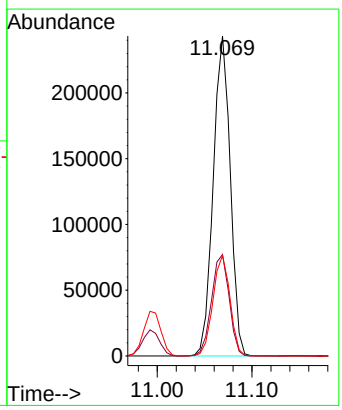


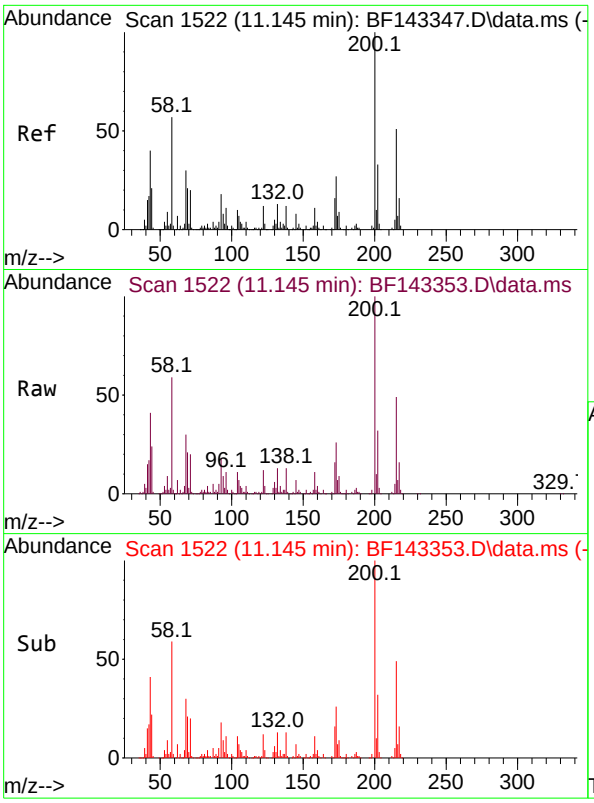


#68
Hexachlorobenzene
Concen: 46.289 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:284 Resp: 303457

Ion	Ratio	Lower	Upper
284	100		
142	31.7	25.7	38.5
249	31.5	24.6	37.0

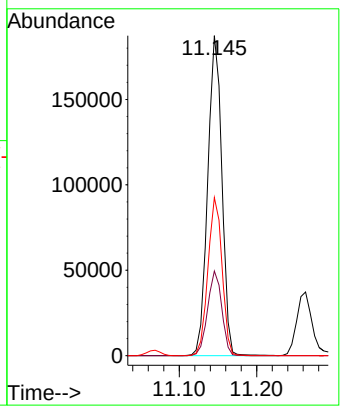




#69
Atrazine
Concen: 51.923 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:200 Resp: 23713

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.6	46.6
215	49.4	30.6	70.6



Instrument :
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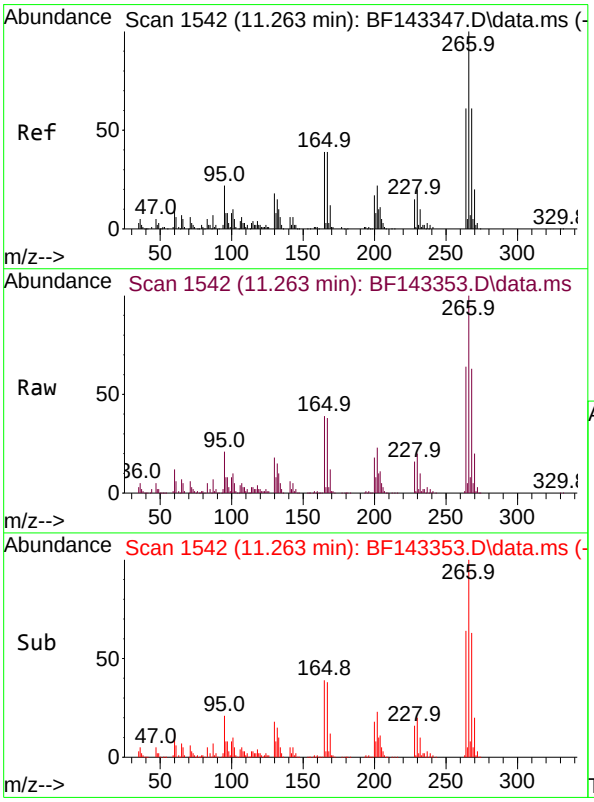
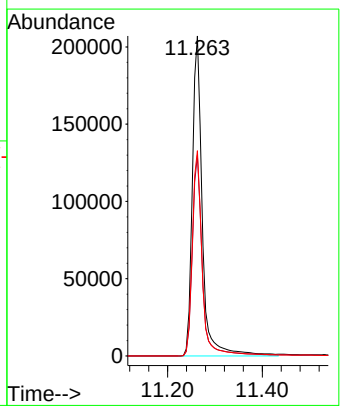
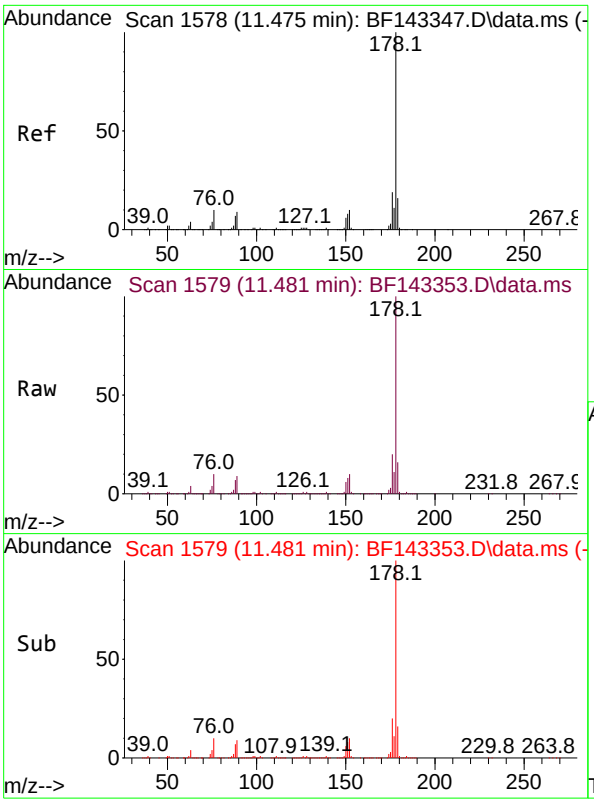


#70
Pentachlorophenol
Concen: 93.837 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:266 Resp: 304667

Ion	Ratio	Lower	Upper
266	100		
268	62.7	48.8	73.2
264	64.2	48.8	73.2

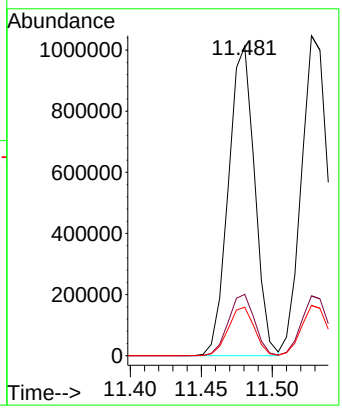




#71
Phenanthrene
Concen: 44.933 ng
RT: 11.481 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:178 Resp: 130368

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
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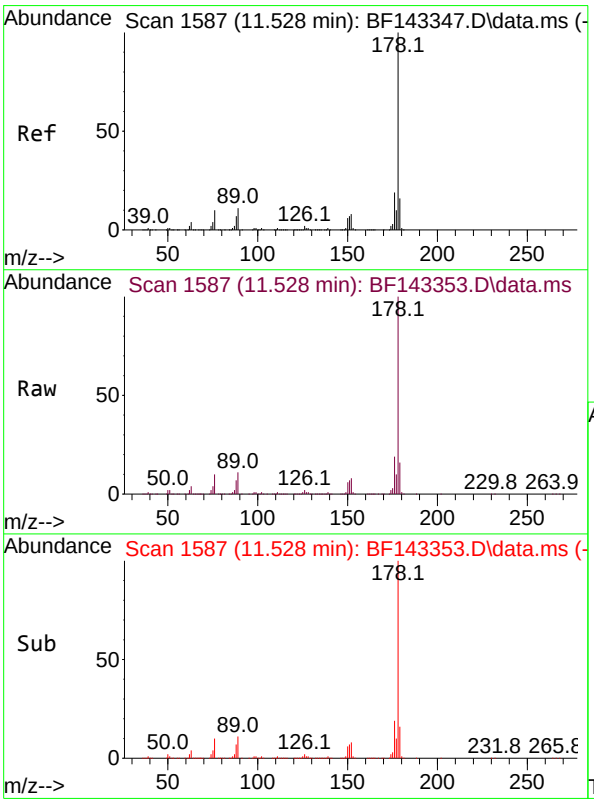
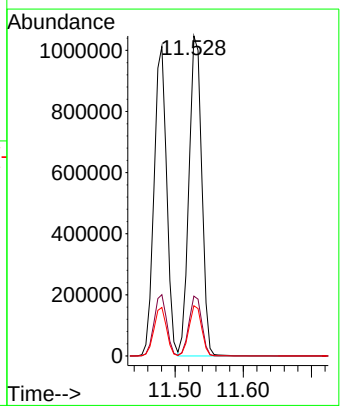
Supervised By :Jagrut Upadhyay 08/13/2025

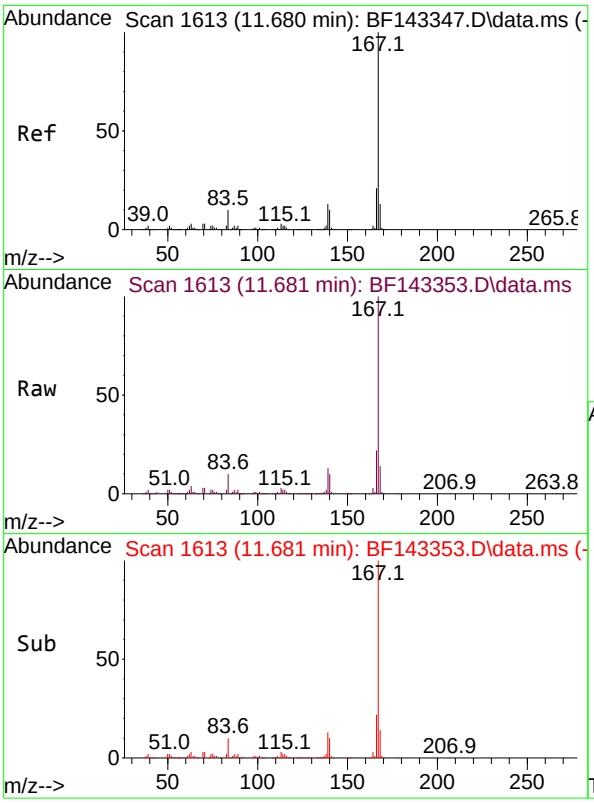


#72
Anthracene
Concen: 45.931 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:178 Resp: 1351509

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.7	12.7	19.1





#73
Carbazole
Concen: 45.538 ng
RT: 11.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:167 Resp: 114115

Ion	Ratio	Lower	Upper
167	100		
166	22.0	16.8	25.2
139	13.0	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
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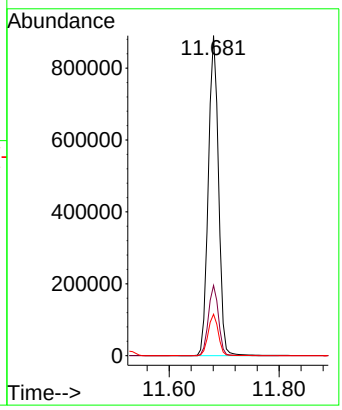
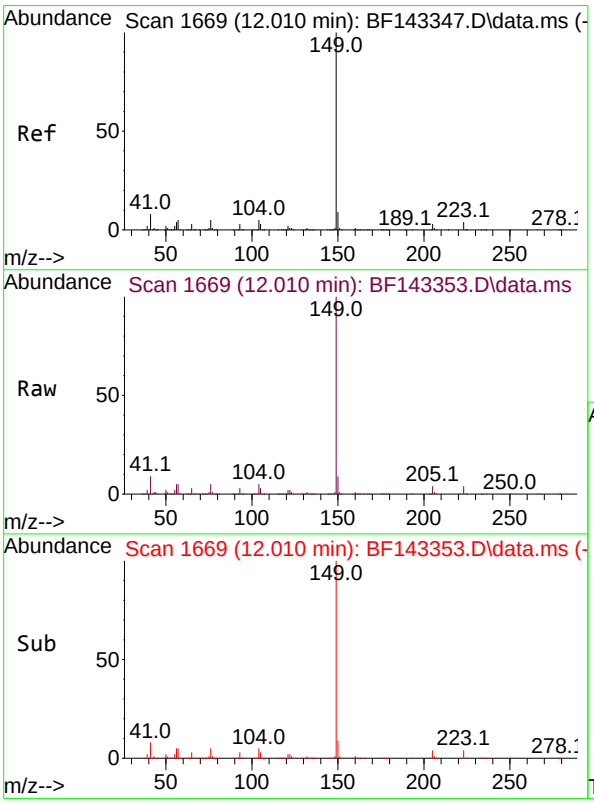
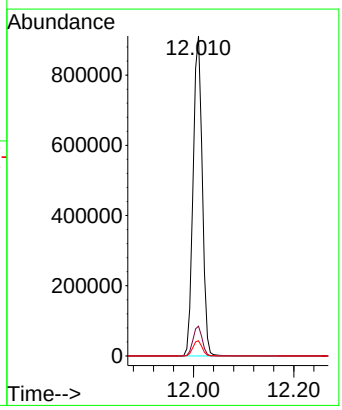


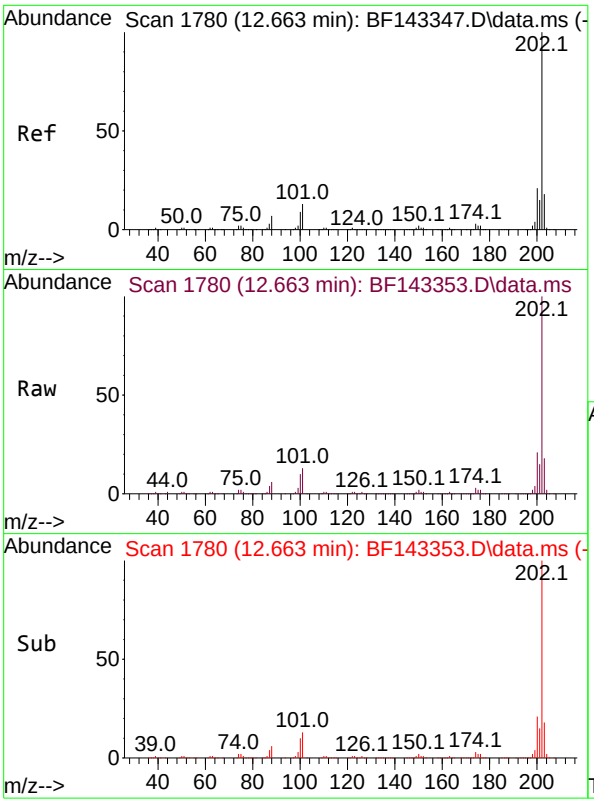


#74
Di-n-butylphthalate
Concen: 54.244 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 1150281

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.7	3.8	5.8

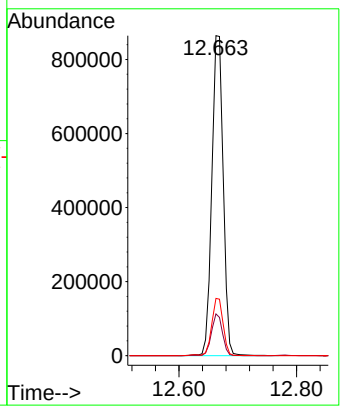




#75
Fluoranthene
Concen: 45.612 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:202 Resp: 115923

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.9	0.0	37.6



Instrument :
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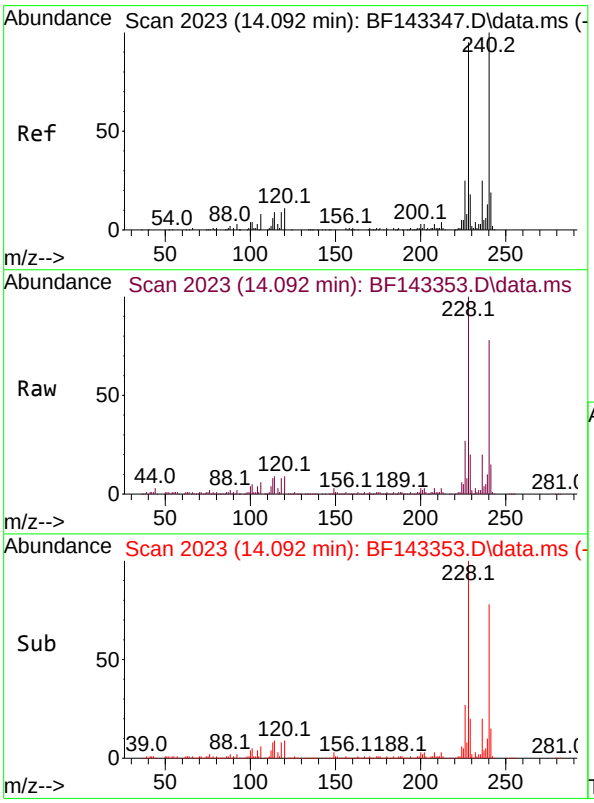
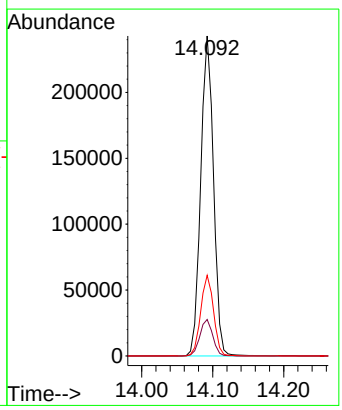
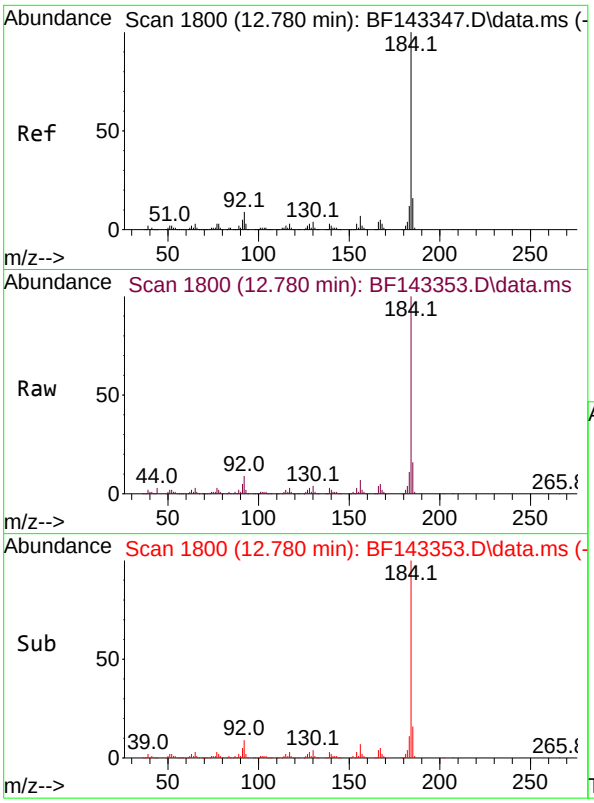


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:240 Resp: 305054

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.6
236	25.2	19.9	29.9

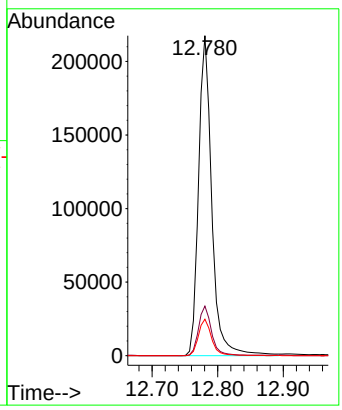




#77
Benzidine
Concen: 36.741 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:184 Resp: 30641

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.8	19.2
183	11.4	9.3	13.9



Instrument :
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ClientSampleId :
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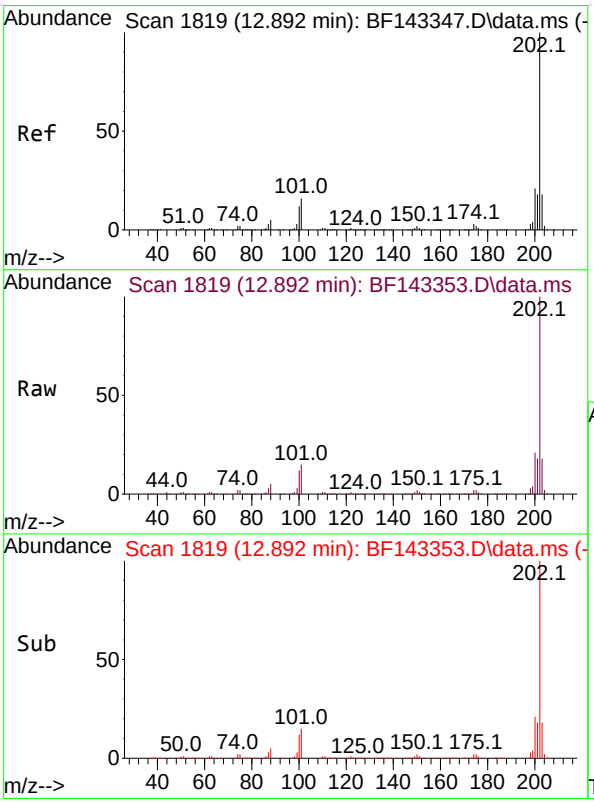
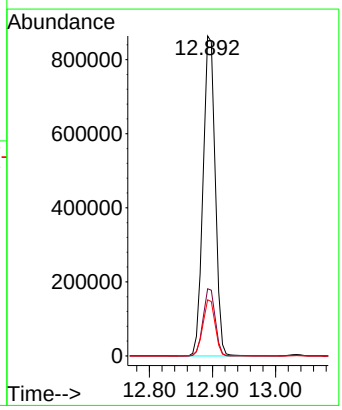
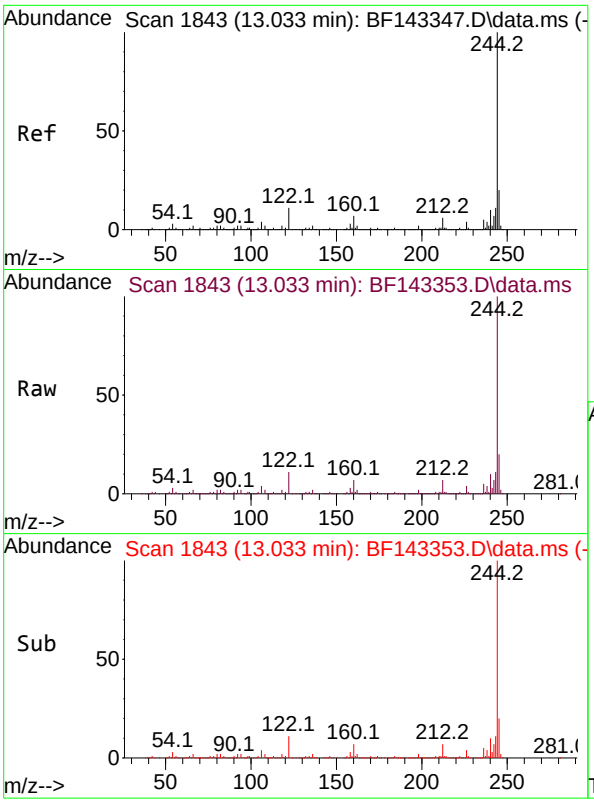


#78
Pyrene
Concen: 45.218 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:202 Resp: 1157188

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.6	14.2	21.4

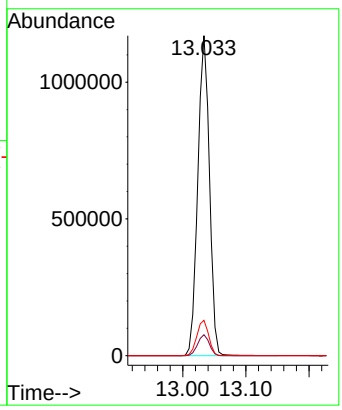




#79
Terphenyl-d14
Concen: 87.763 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:244 Resp: 149957

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.1	7.7
122	11.1	8.9	13.3



Instrument :
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ClientSampleId :
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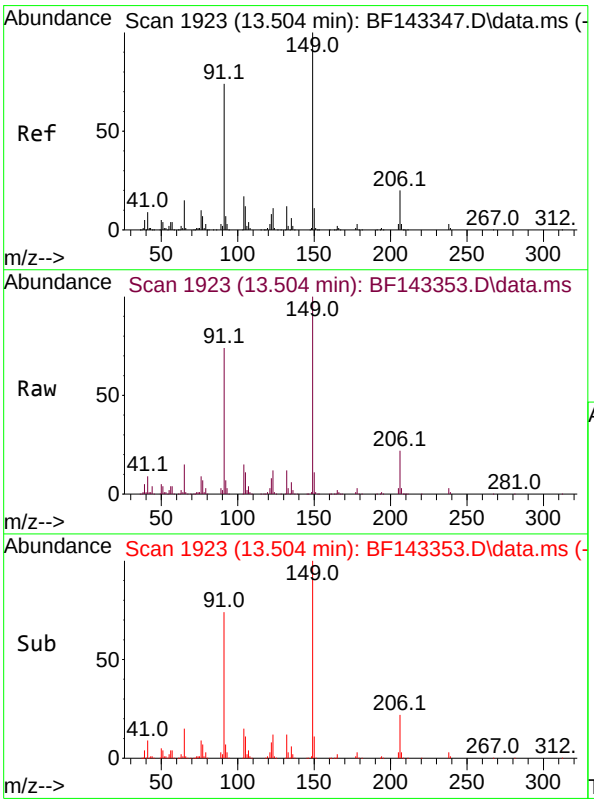
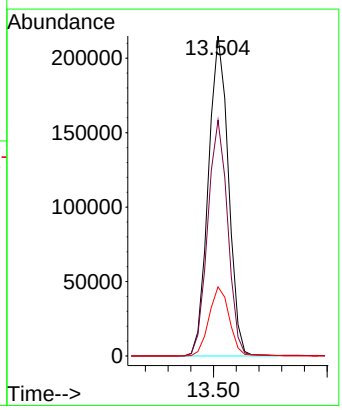
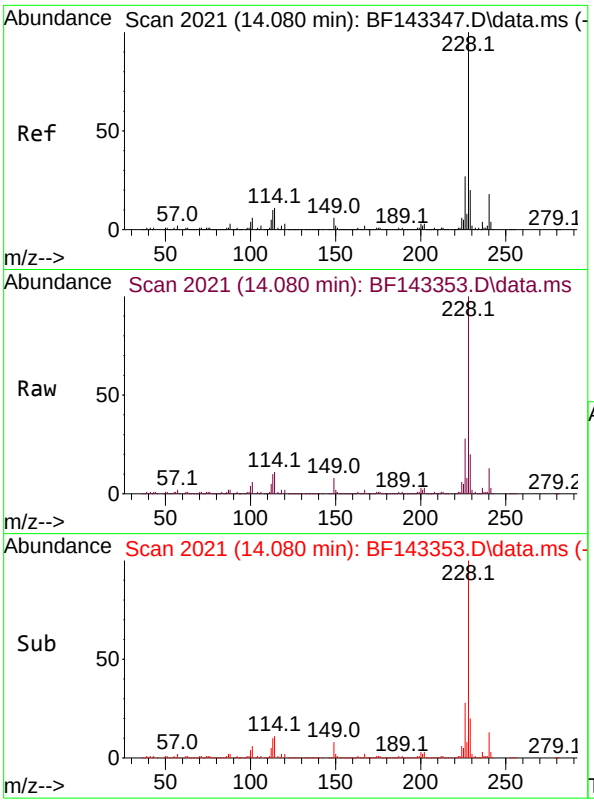


#80
Butylbenzylphthalate
Concen: 51.728 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 263013

Ion	Ratio	Lower	Upper
149	100		
91	73.7	58.8	88.2
206	21.6	16.4	24.6





#81
Benzo(a)anthracene
Concen: 46.966 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:228 Resp: 91062

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	20.1	15.8	23.8

Instrument :
BNA_F
ClientSampleId :
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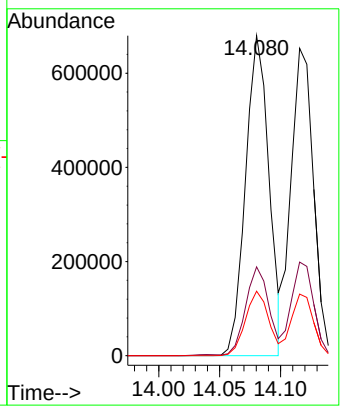
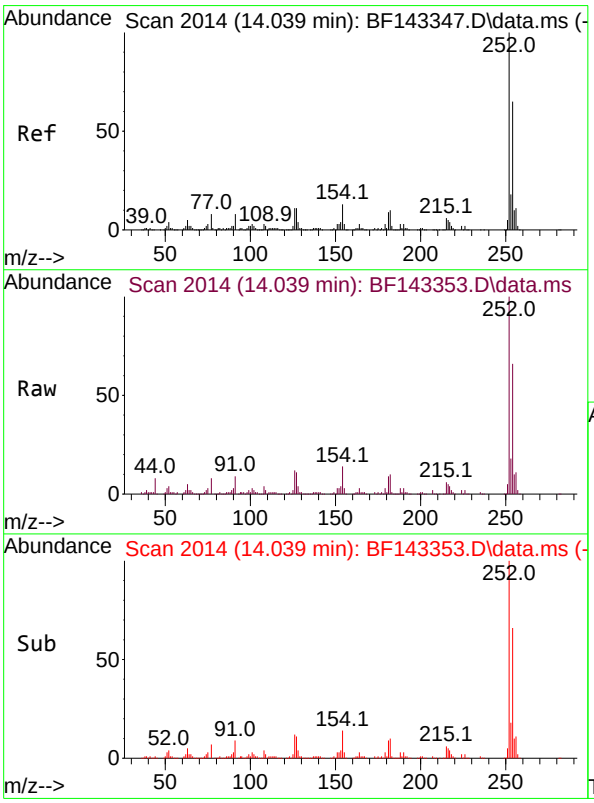
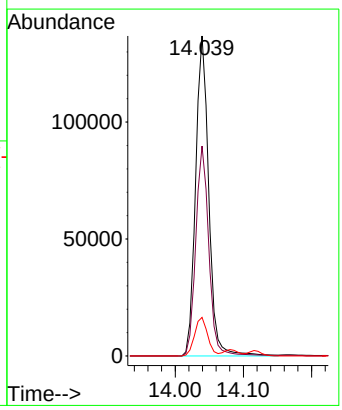


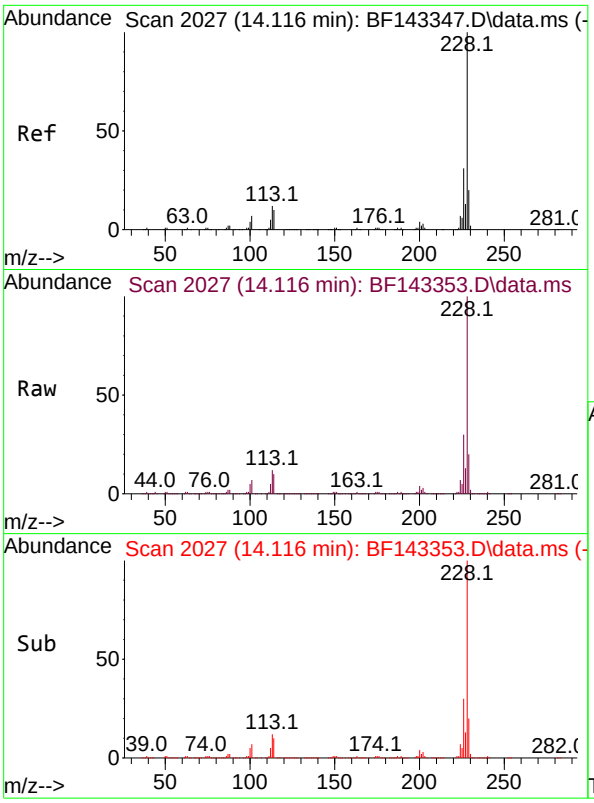


#82
3,3'-Dichlorobenzidine
Concen: 35.043 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:252 Resp: 183468

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.7	77.5
126	12.1	9.2	13.8

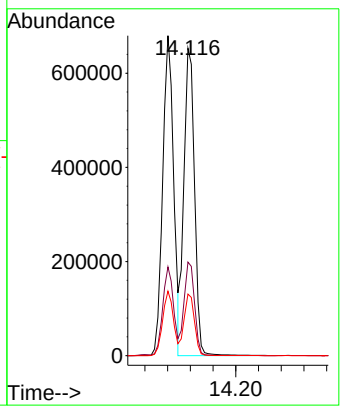




#83
Chrysene
Concen: 46.782 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:228 Resp: 84578

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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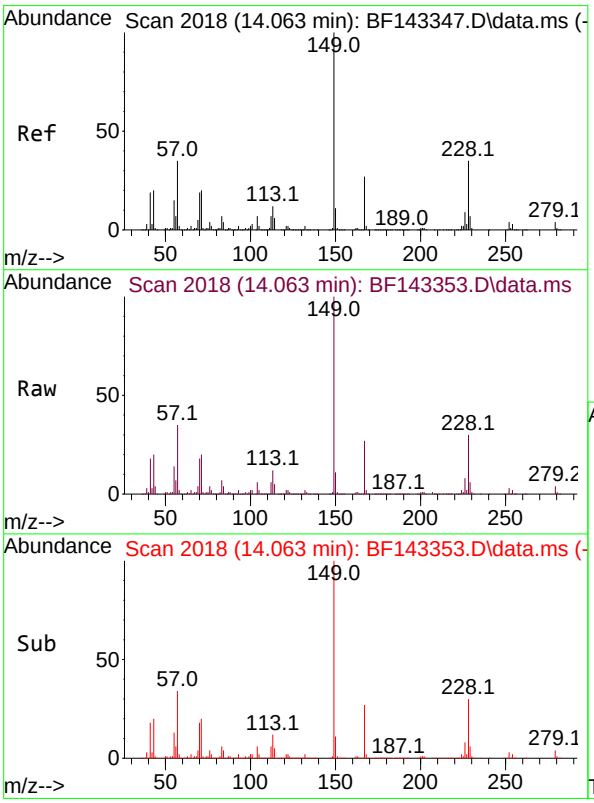
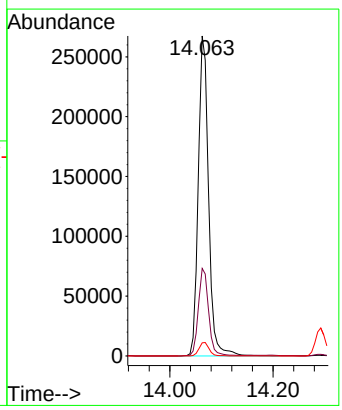
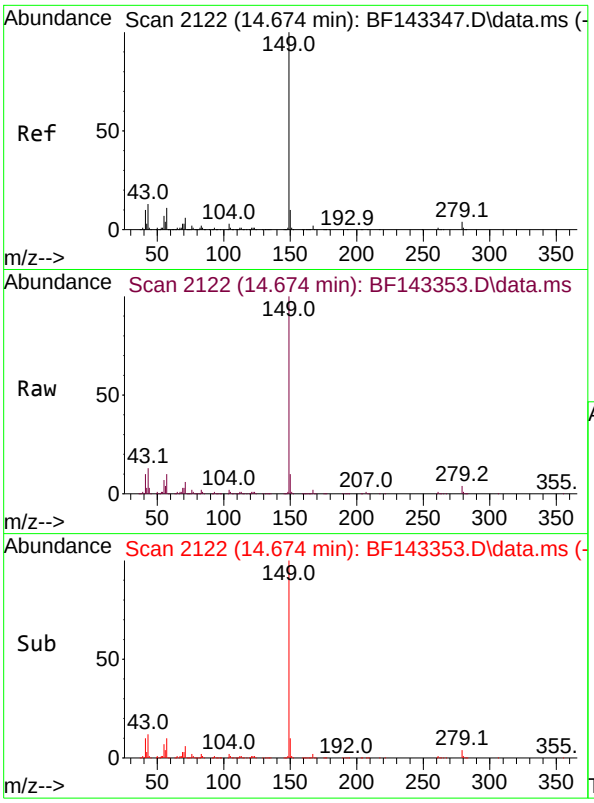


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.572 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 369793

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	4.1	3.2	4.8

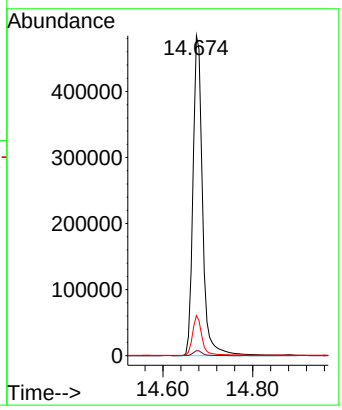




#85
Di-n-octyl phthalate
Concen: 48.439 ng
RT: 14.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 71831

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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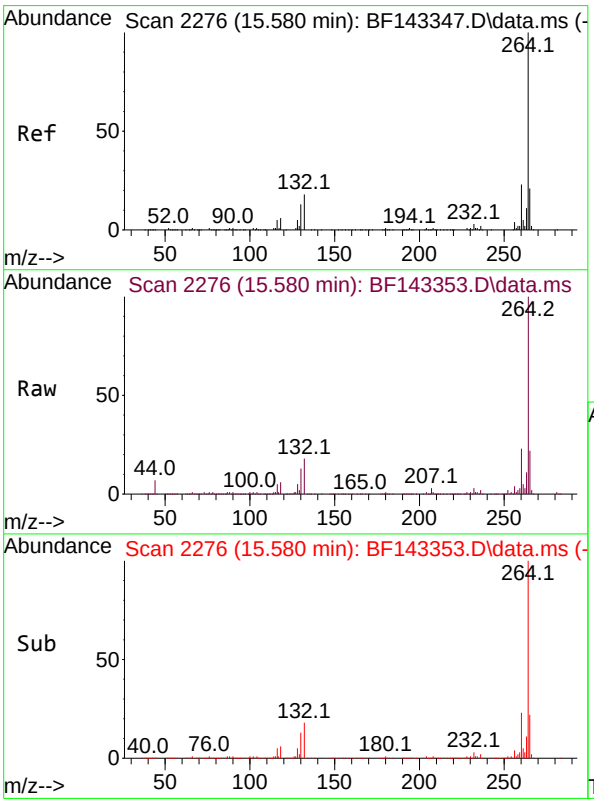
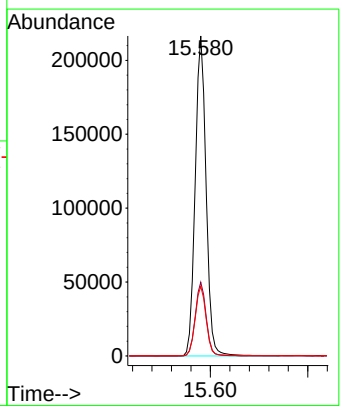
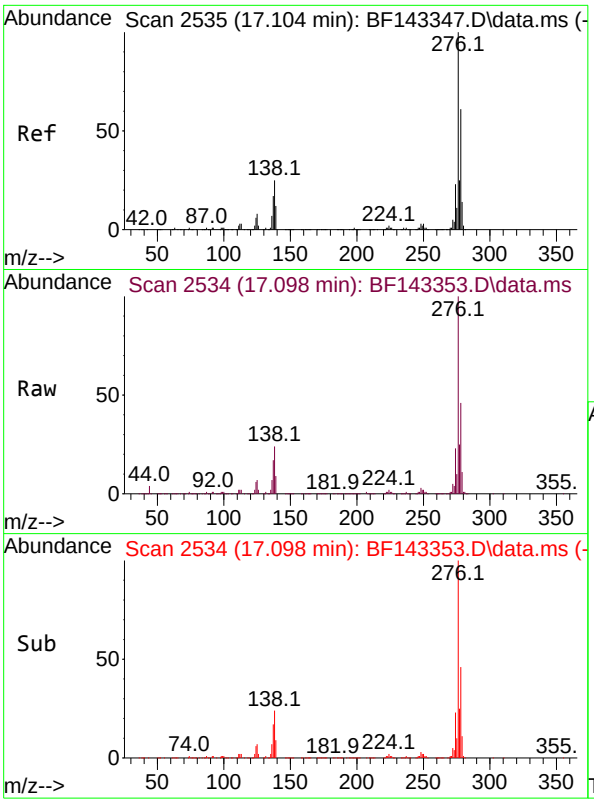


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:264 Resp: 338125

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.8	17.2	25.8

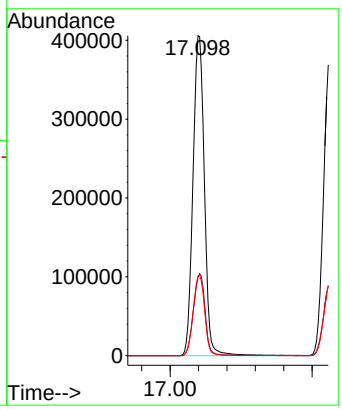




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.786 ng
RT: 17.098 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:276 Resp: 113337

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.1	31.7
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
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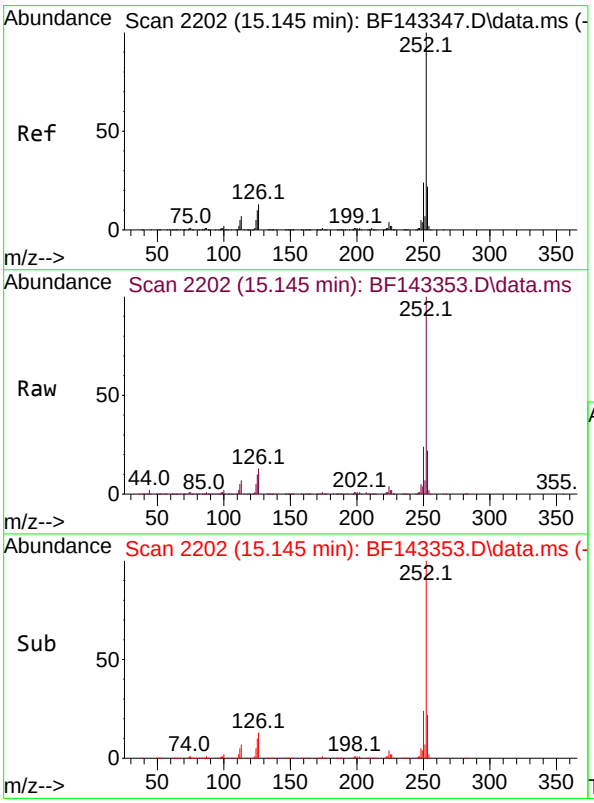
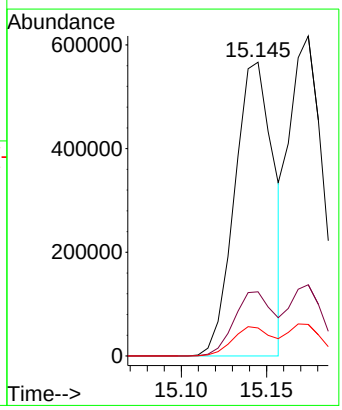
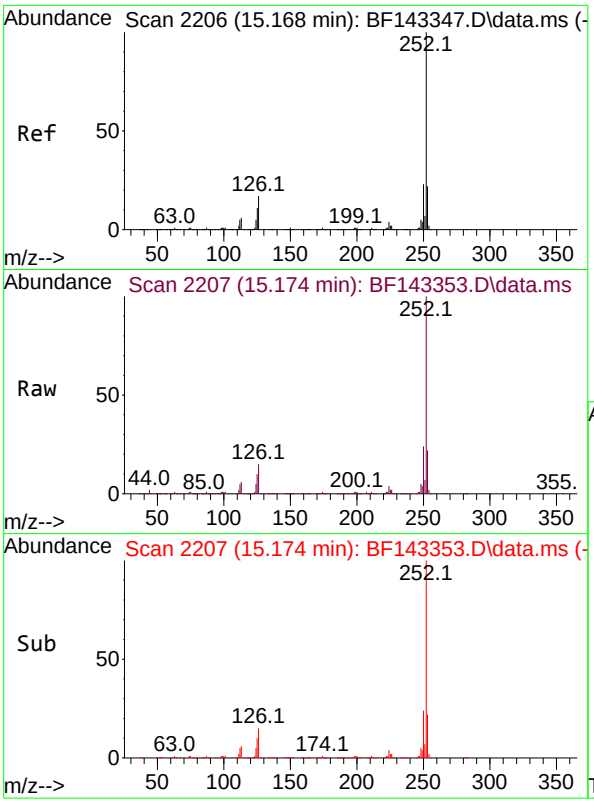


#88
Benzo(b)fluoranthene
Concen: 48.629 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:252 Resp: 899347

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.5	7.8	11.6

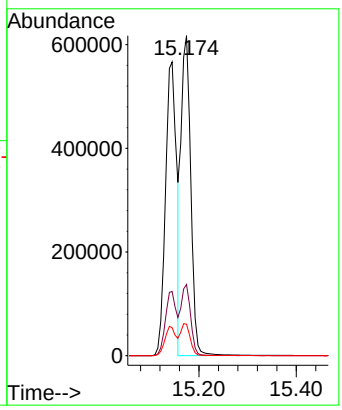




#89
Benzo(k)fluoranthene
Concen: 47.344 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:252 Resp: 85079

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	9.9	8.4	12.6



Instrument :
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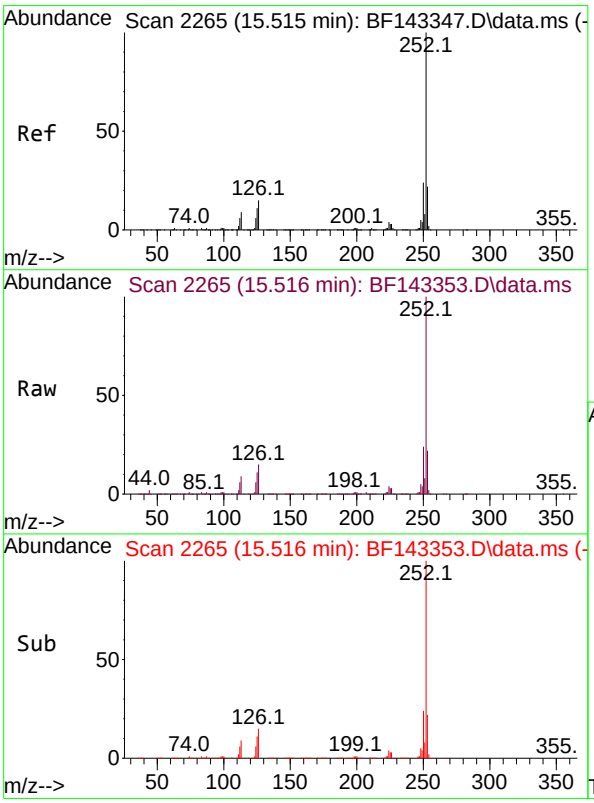
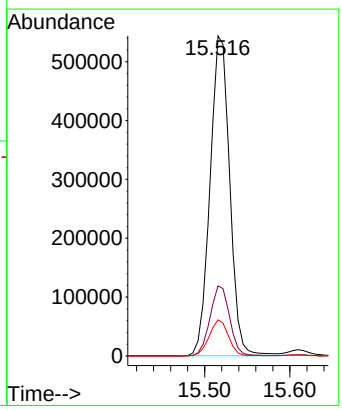
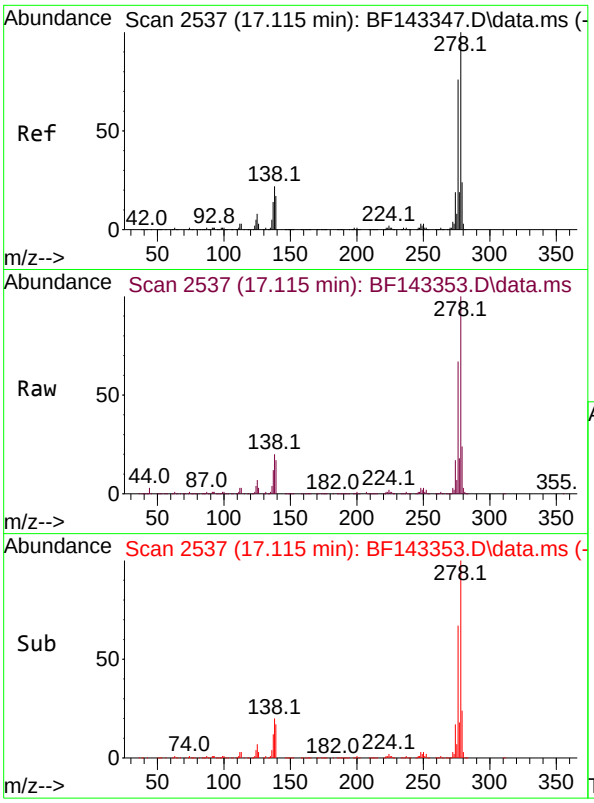


#90
Benzo(a)pyrene
Concen: 50.085 ng
RT: 15.516 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:252 Resp: 872401

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	11.3	9.1	13.7

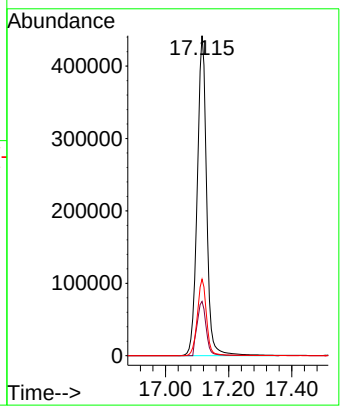




#91
Dibenzo(a,h)anthracene
Concen: 47.192 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:278 Resp: 91330

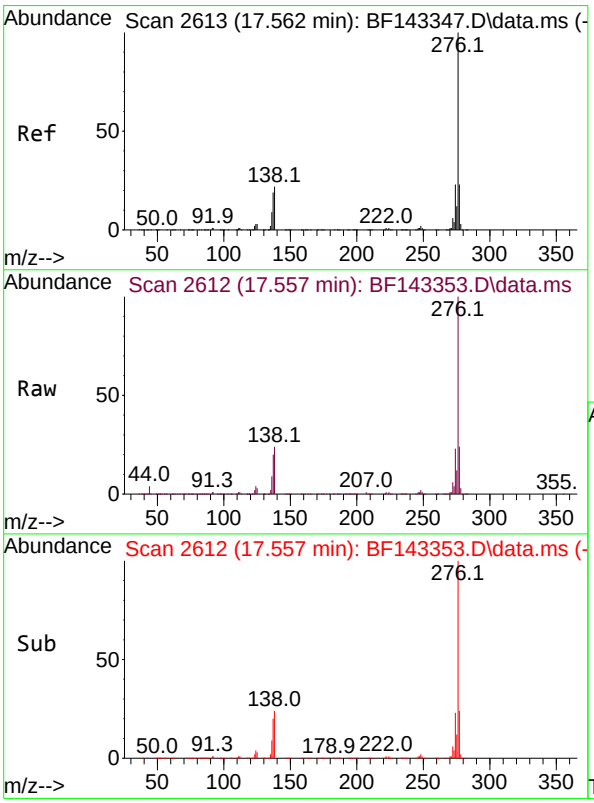
Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.0	21.0
279	23.9	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
PB169189BS

Manual Integrations
APPROVED

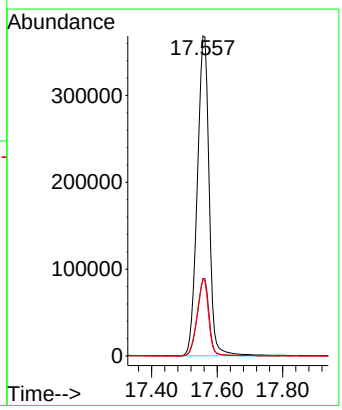
Reviewed By :Rahul Chavli 08/13/2025
Supervised By :Jagrut Upadhyay 08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 47.616 ng
RT: 17.557 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:276 Resp: 928308

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	24.1	17.8	26.8



Raw Data: **BF143357.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-6MS	SDG No.:	Q2807
Lab Sample ID:	Q2807-03MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143357.D	1	08/11/25 09:32	08/12/25 17:02	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1700		27.1	200	ug/Kg
86-73-7	Fluorene	1700		30.2	200	ug/Kg
85-01-8	Phenanthrene	2100		25.0	200	ug/Kg
120-12-7	Anthracene	1800		39.8	200	ug/Kg
129-00-0	Pyrene	1600		43.0	200	ug/Kg
56-55-3	Benzo(a)anthracene	2100		27.5	200	ug/Kg
218-01-9	Chrysene	2000		23.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		22.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	2100		35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		34.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		30.7	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	70.5		18 - 107	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.9		20 - 109	66%	SPK: 100
1718-51-0	Terphenyl-d14	53.3		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	6.928			
1146-65-2	Naphthalene-d8	587000	8.21			
15067-26-2	Acenaphthene-d10	297000	9.963			
1517-22-2	Phenanthrene-d10	432000	11.451			
1719-03-5	Chrysene-d12	390000	14.092			
1520-96-3	Perylene-d12	473000	15.58			

Raw Data: **BF143357.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	08/07/25
Project:	Girard School - PA			Date Received:	08/08/25
Client Sample ID:	COMP-6MS			SDG No.:	Q2807
Lab Sample ID:	Q2807-03MS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	83.6
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143357.D	1	08/11/25 09:32	08/12/25 17:02	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143357.D
Acq On : 12 Aug 2025 17:02
Operator : RC/JU
Sample : Q2807-03MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Quant Time: Aug 12 17:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	156492	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	586819	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	297224	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	432448	20.000	ng	0.00
76) Chrysene-d12	14.092	240	390031	20.000	ng	0.00
86) Perylene-d12	15.580	264	473134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	816863	90.264	ng	0.00
7) Phenol-d6	6.563	99	1067179	91.958	ng	0.00
23) Nitrobenzene-d5	7.487	82	664096	70.474	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	247661	114.015	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1154235	65.853	ng	0.00
79) Terphenyl-d14	13.033	244	1165234	53.338	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.799	88	175079	37.387	ng	100
3) Pyridine	3.569	79	473265	37.926	ng	98
4) n-Nitrosodimethylamine	3.505	42	252841	43.497	ng	99
6) Aniline	6.593	93	458691	28.036	ng	100
8) 2-Chlorophenol	6.716	128	420916	43.529	ng	98
9) Benzaldehyde	6.481	77	254709	33.207	ng	99
10) Phenol	6.575	94	551767	40.135	ng	100
11) bis(2-Chloroethyl)ether	6.657	93	427241	42.166	ng	98
12) 1,3-Dichlorobenzene	6.875	146	470783	42.209	ng	99
13) 1,4-Dichlorobenzene	6.946	146	472815	42.237	ng	99
14) 1,2-Dichlorobenzene	7.098	146	451704	42.508	ng	99
15) Benzyl Alcohol	7.069	79	375963	45.195	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	780803	43.164	ng	98
17) 2-Methylphenol	7.181	107	343061	42.029	ng	100
18) Hexachloroethane	7.445	117	160548	45.745	ng	99
19) n-Nitroso-di-n-propyla...	7.334	70	307114	42.829	ng	99
20) 3+4-Methylphenols	7.334	107	412632	41.800	ng	95
22) Acetophenone	7.334	105	560121	43.321	ng	98
24) Nitrobenzene	7.504	77	450357	44.006	ng	99
25) Isophorone	7.745	82	839858	43.659	ng	99
26) 2-Nitrophenol	7.822	139	203007	49.386	ng	97
27) 2,4-Dimethylphenol	7.863	122	379436	47.278	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	519224	44.208	ng	100
29) 2,4-Dichlorophenol	8.069	162	345552	44.083	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	371431	44.921	ng	99
31) Naphthalene	8.234	128	1174328	41.588	ng	100
32) Benzoic acid	7.969	122	177442	50.149	ng	99
33) 4-Chloroaniline	8.275	127	202527	19.886	ng	99
34) Hexachlorobutadiene	8.351	225	224841	43.713	ng	99
35) Caprolactam	8.640	113	105422	47.840	ng	97
36) 4-Chloro-3-methylphenol	8.763	107	344956	41.977	ng	97
37) 2-Methylnaphthalene	8.922	142	710577	38.278	ng	99
38) 1-Methylnaphthalene	9.022	142	726026	40.608	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	351713	43.243	ng	99
41) Hexachlorocyclopentadiene	9.081	237	330717	112.352	ng	99
43) 2,4,6-Trichlorophenol	9.198	196	227894	49.384	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143357.D
Acq On : 12 Aug 2025 17:02
Operator : RC/JU
Sample : Q2807-03MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Quant Time: Aug 12 17:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

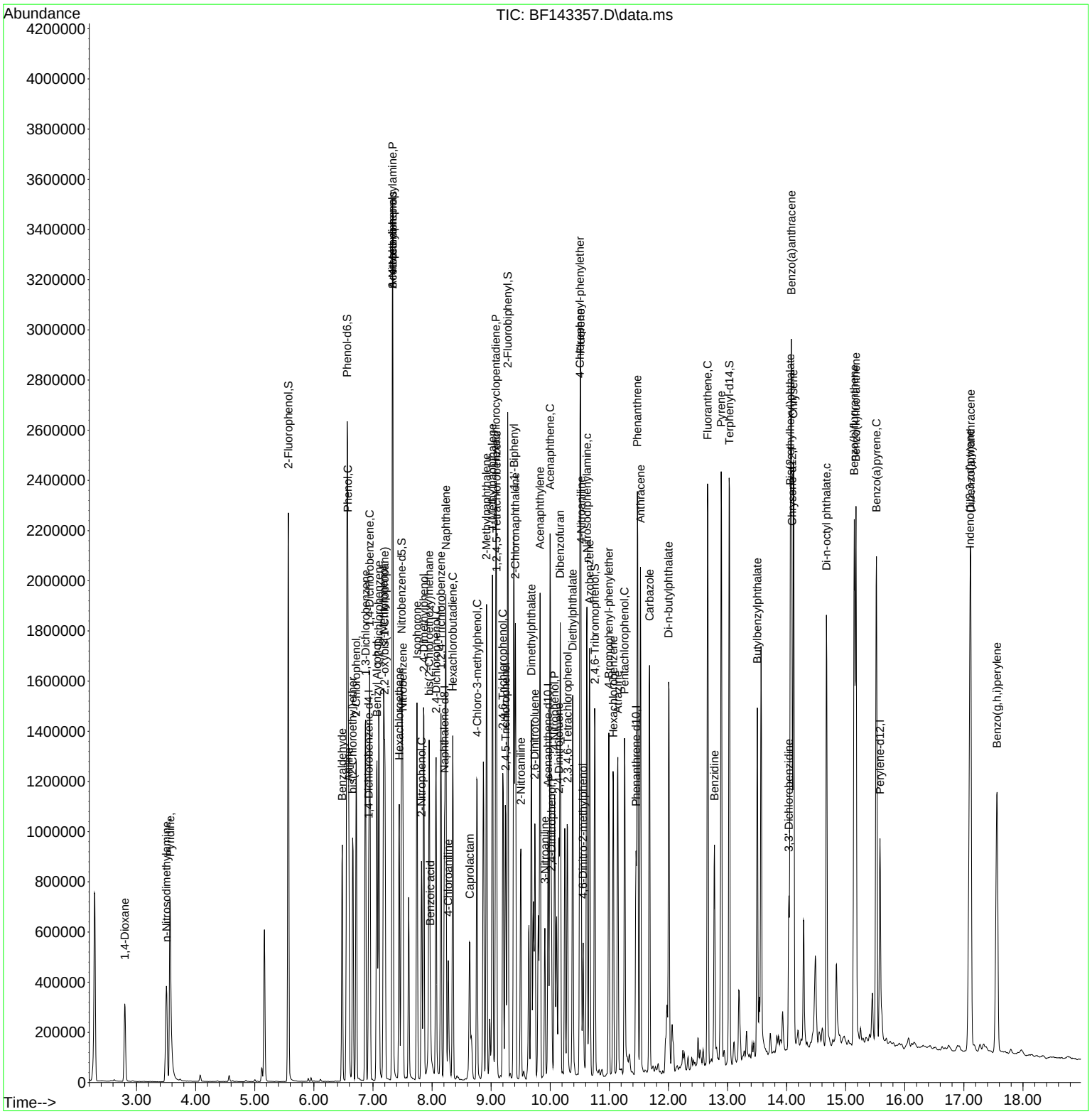
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	236660	45.413	ng		99
46) 1,1'-Biphenyl	9.387	154	933758	44.432	ng		100
47) 2-Chloronaphthalene	9.410	162	714158	43.148	ng		99
48) 2-Nitroaniline	9.504	65	221660	46.525	ng		99
49) Acenaphthylene	9.828	152	1142446	47.797	ng		100
50) Dimethylphthalate	9.681	163	811792	46.743	ng		100
51) 2,6-Dinitrotoluene	9.739	165	167865	50.888	ng		99
52) Acenaphthene	9.998	154	719315	45.268	ng		100
53) 3-Nitroaniline	9.910	138	117520	33.042	ng		98
54) 2,4-Dinitrophenol	10.022	184	110126	79.443	ng	#	83
55) Dibenzofuran	10.169	168	979535	42.831	ng		99
56) 4-Nitrophenol	10.075	139	239983	84.124	ng		99
57) 2,4-Dinitrotoluene	10.145	165	218502	49.971	ng		95
58) Fluorene	10.516	166	749019	42.879	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	186678	53.141	ng		99
60) Diethylphthalate	10.381	149	770188	49.510	ng		99
61) 4-Chlorophenyl-phenyle...	10.504	204	365590	43.314	ng		98
62) 4-Nitroaniline	10.522	138	165289	48.034	ng		99
63) Azobenzene	10.663	77	864662	48.662	ng		96
65) 4,6-Dinitro-2-methylph...	10.557	198	85973	48.966	ng		98
66) n-Nitrosodiphenylamine	10.622	169	642160	45.097	ng		99
67) 4-Bromophenyl-phenylether	10.992	248	225678	45.630	ng		98
68) Hexachlorobenzene	11.069	284	228918	42.940	ng		99
69) Atrazine	11.145	200	203496	54.792	ng		100
70) Pentachlorophenol	11.257	266	238217	90.453	ng		98
71) Phenanthrene	11.475	178	1243555	52.706	ng		100
72) Anthracene	11.528	178	1076705	44.998	ng		100
73) Carbazole	11.681	167	929305	45.603	ng		99
74) Di-n-butylphthalate	12.004	149	1121739	65.050	ng		100
75) Fluoranthene	12.663	202	1320210	63.878	ng		100
77) Benzidine	12.780	184	479406	44.959	ng		98
78) Pyrene	12.892	202	1348664	41.219	ng		99
80) Butylbenzylphthalate	13.504	149	433049	65.650	ng		97
81) Benzo(a)anthracene	14.080	228	1283275	51.766	ng		100
82) 3,3'-Dichlorobenzidine	14.039	252	193103	28.848	ng		98
83) Chrysene	14.116	228	1171839	50.695	ng		99
84) Bis(2-ethylhexyl)phtha...	14.063	149	645569	66.227	ng		99
85) Di-n-octyl phthalate	14.674	149	1160032	59.598	ng		97
87) Indeno(1,2,3-cd)pyrene	17.104	276	1304300	38.478	ng		100
88) Benzo(b)fluoranthene	15.145	252	1494896	57.766	ng		99
89) Benzo(k)fluoranthene	15.174	252	1026897	40.838	ng		99
90) Benzo(a)pyrene	15.521	252	1258435	51.632	ng		100
91) Dibenzo(a,h)anthracene	17.115	278	1021632	37.726	ng		100
92) Benzo(g,h,i)perylene	17.562	276	997763	36.575	ng		99

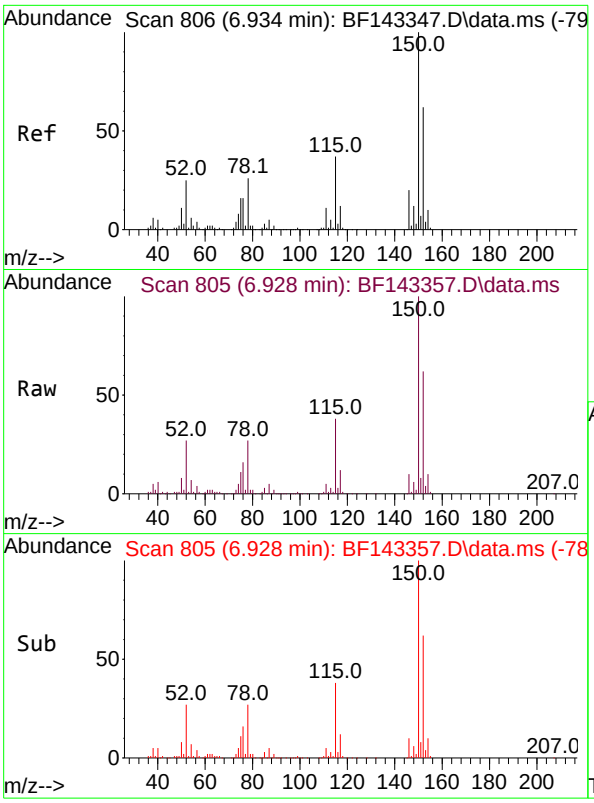
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143357.D
Acq On : 12 Aug 2025 17:02
Operator : RC/JU
Sample : Q2807-03MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Quant Time: Aug 12 17:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration



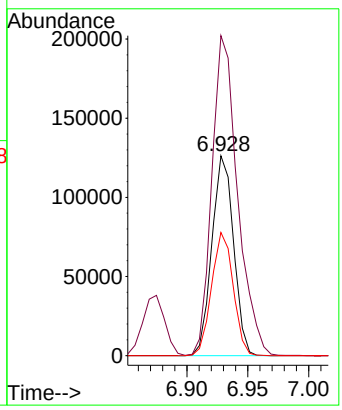


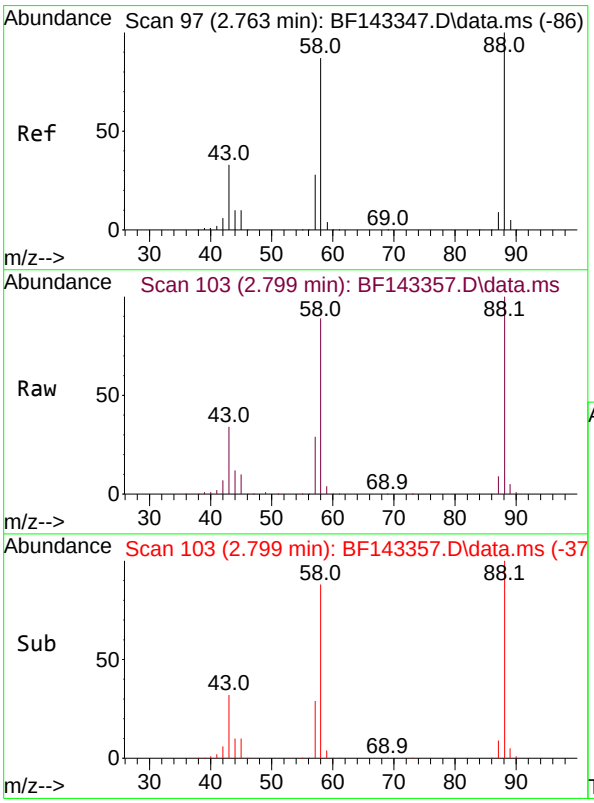
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:152 Resp: 156492

Ion	Ratio	Lower	Upper
152	100		
150	160.1	129.8	194.8
115	61.6	47.8	71.8

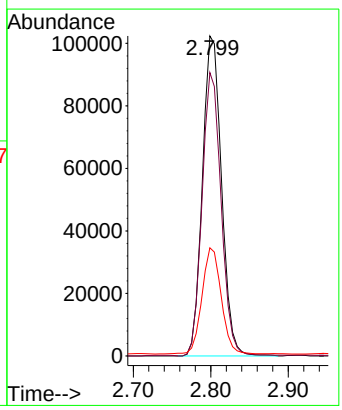


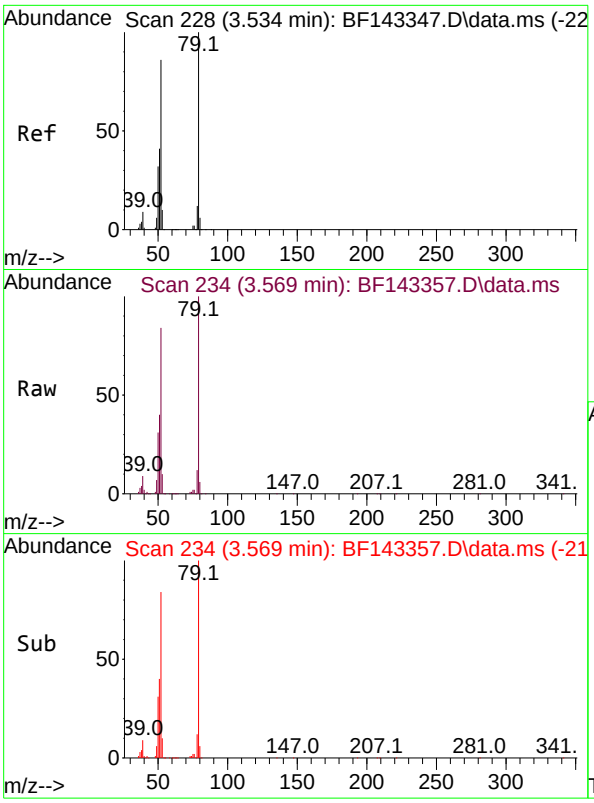


#2
1,4-Dioxane
Concen: 37.387 ng
RT: 2.799 min Scan# 103
Delta R.T. 0.035 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 88 Resp: 175079

Ion	Ratio	Lower	Upper
88	100		
58	88.7	71.0	106.6
43	33.4	27.0	40.6



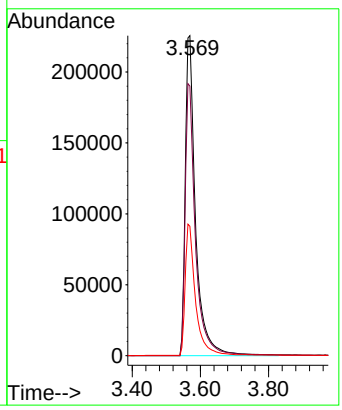


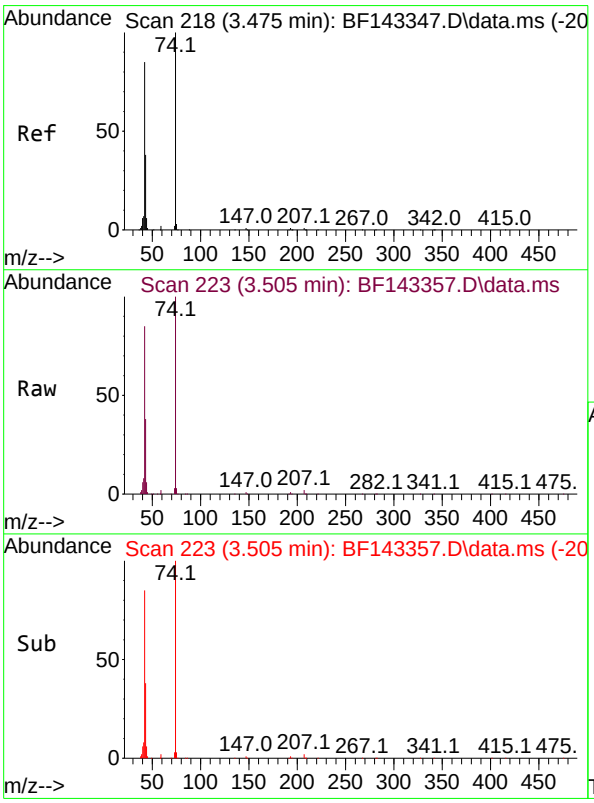
#3
Pyridine
Concen: 37.926 ng
RT: 3.569 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 79 Resp: 473265

Ion	Ratio	Lower	Upper
79	100		
52	84.2	68.7	103.1
51	40.4	33.4	50.0

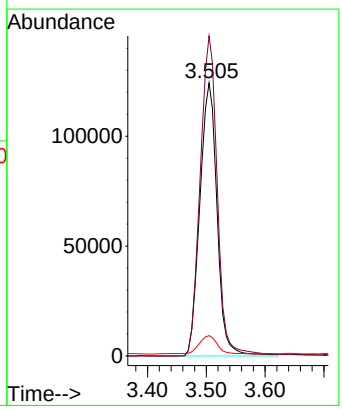


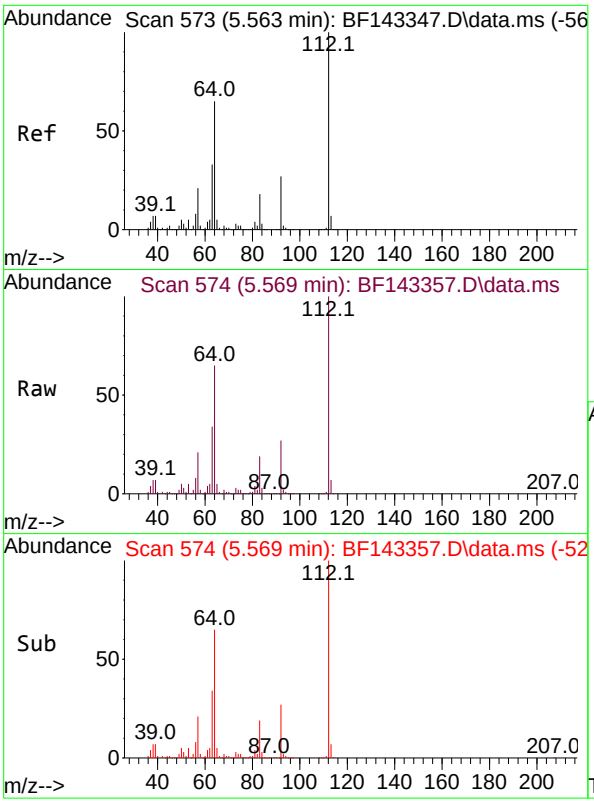


#4
n-Nitrosodimethylamine
Concen: 43.497 ng
RT: 3.505 min Scan# 223
Delta R.T. 0.029 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 42 Resp: 252841

Ion	Ratio	Lower	Upper
42	100		
74	117.1	94.1	141.1
44	7.4	6.5	9.7



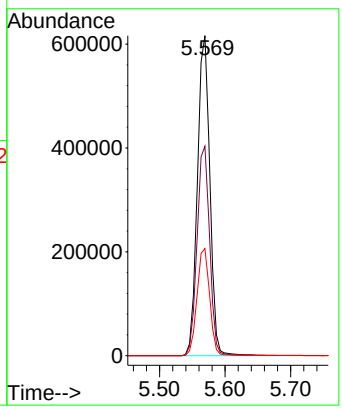


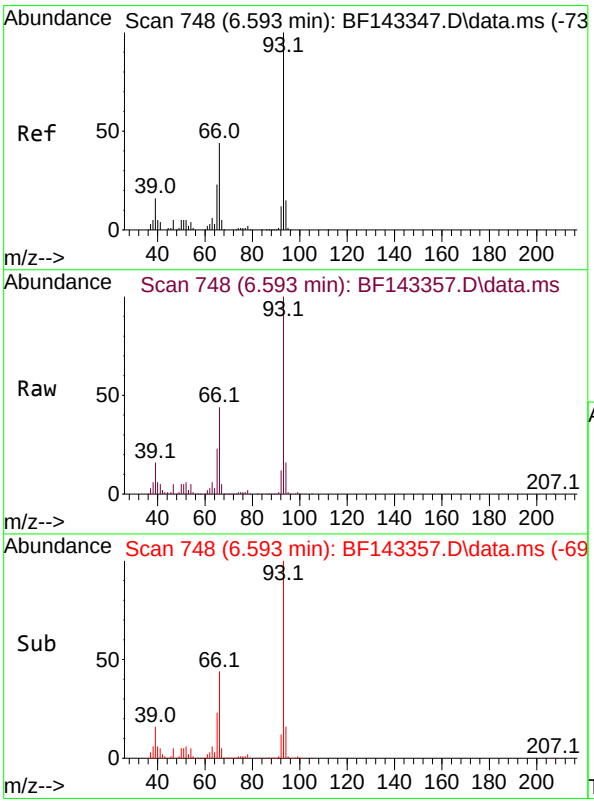
#5
2-Fluorophenol
Concen: 90.264 ng
RT: 5.569 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:112 Resp: 816863

Ion	Ratio	Lower	Upper
112	100		
64	65.4	52.1	78.1
63	33.5	26.6	39.8

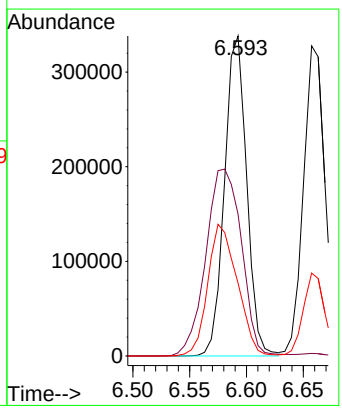




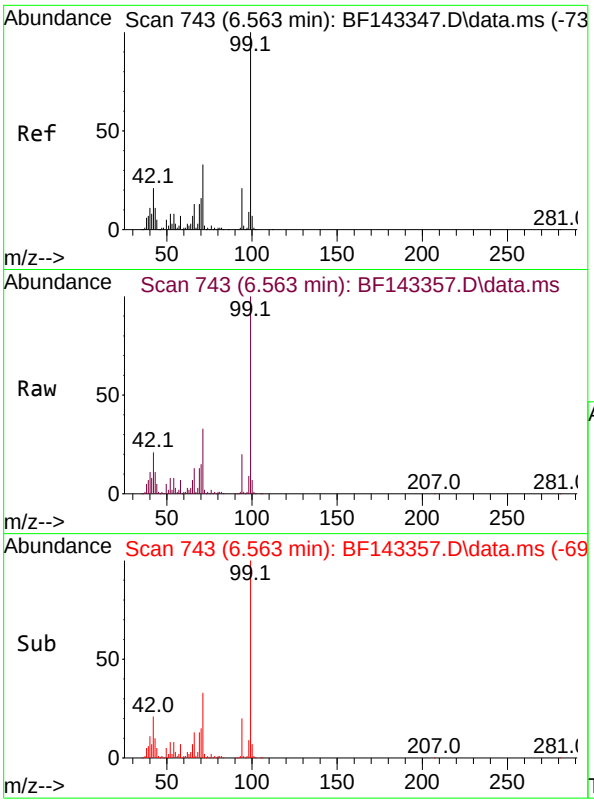
#6
Aniline
Concen: 28.036 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 93 Resp: 458691

Ion	Ratio	Lower	Upper
93	100		
66	44.3	35.3	52.9
65	22.8	18.2	27.4



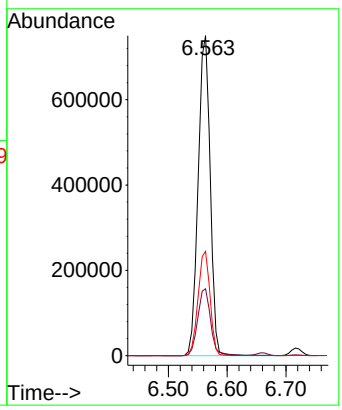
Instrument :
BNA_F
ClientSampleId :
COMP-6MS

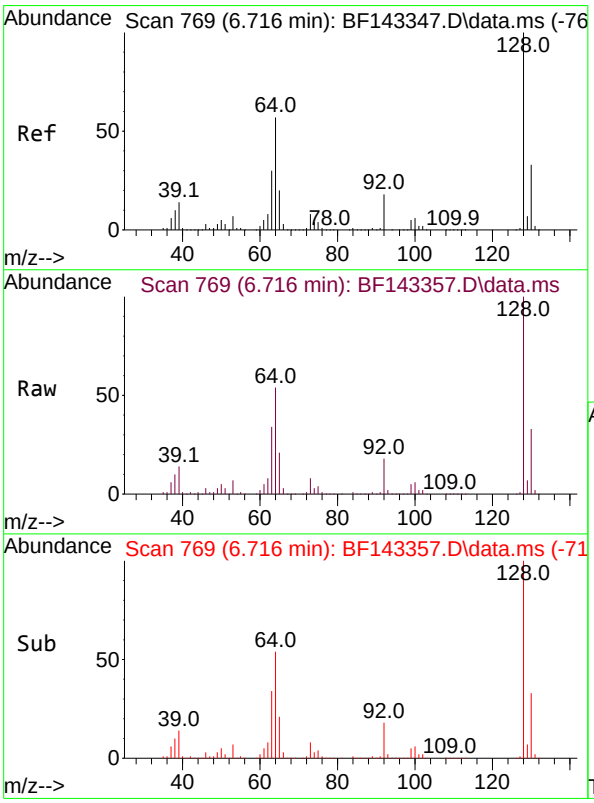


#7
Phenol-d6
Concen: 91.958 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 99 Resp: 1067179

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	25.0
71	32.6	26.2	39.2

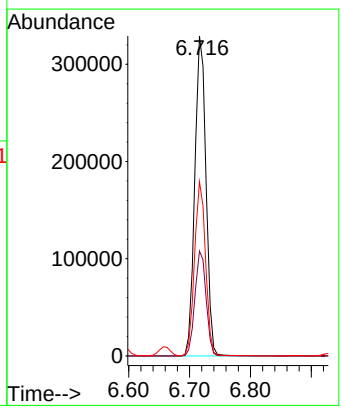


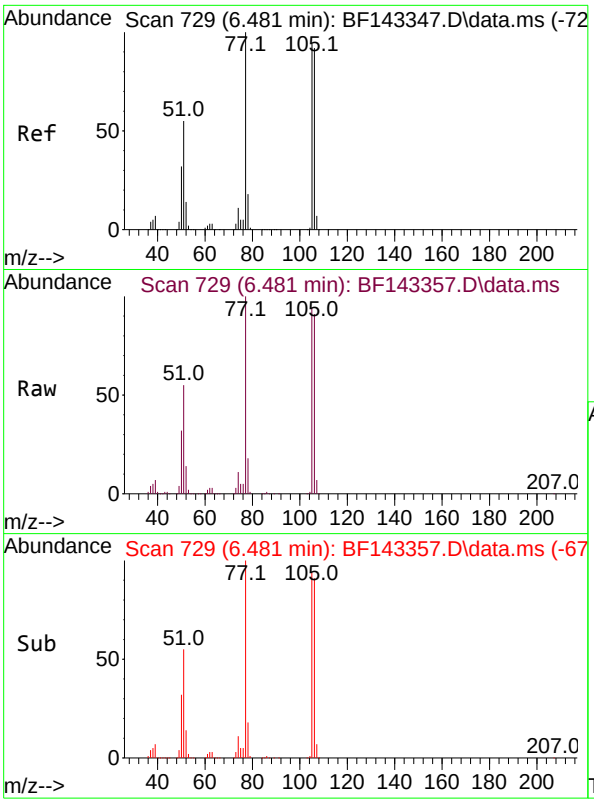


#8
2-Chlorophenol
Concen: 43.529 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:128 Resp: 420916

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.6	52.6
64	54.4	36.7	76.7



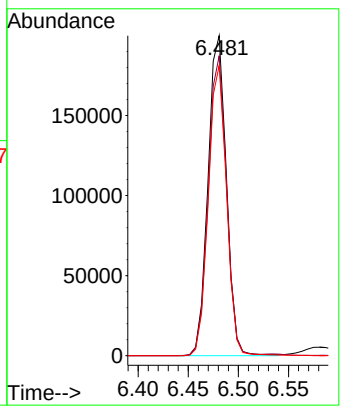


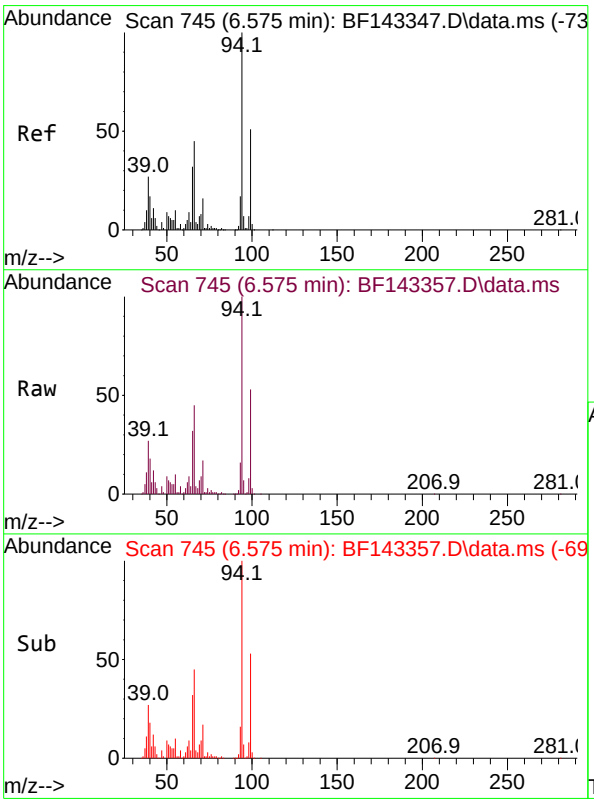
#9
Benzaldehyde
Concen: 33.207 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 77 Resp: 254709

Ion	Ratio	Lower	Upper
77	100		
105	93.7	74.2	114.2
106	90.7	72.2	112.2

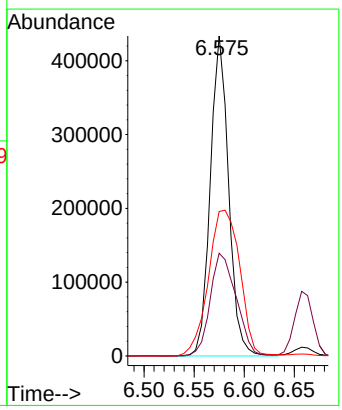


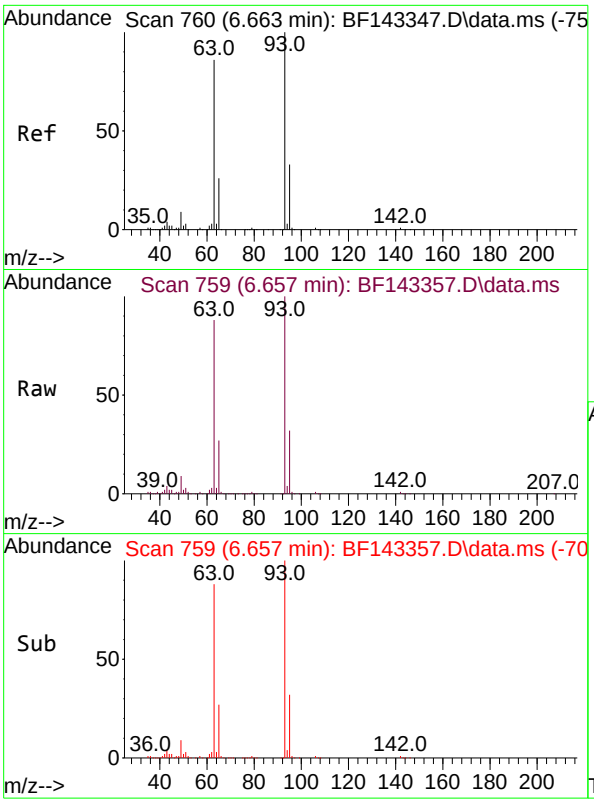


#10
Phenol
Concen: 40.135 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 94 Resp: 551767

Ion	Ratio	Lower	Upper
94	100		
65	32.1	12.0	52.0
66	45.2	25.6	65.6



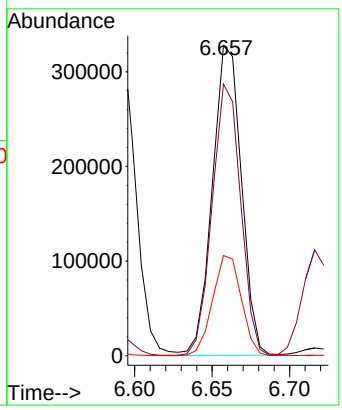


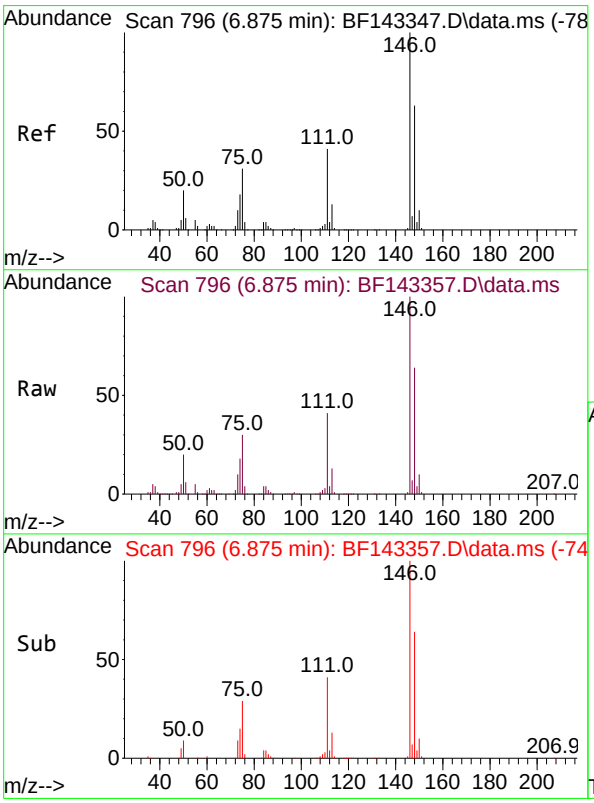
#11
bis(2-Chloroethyl)ether
Concen: 42.166 ng
RT: 6.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 93 Resp: 427241

Ion	Ratio	Lower	Upper
93	100		
63	87.6	65.7	105.7
95	32.3	13.0	53.0

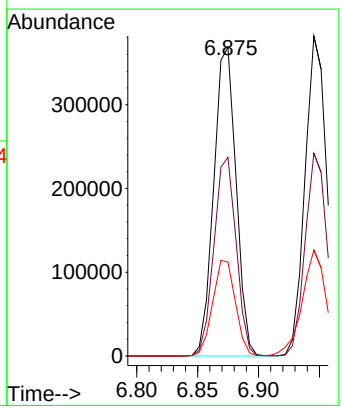


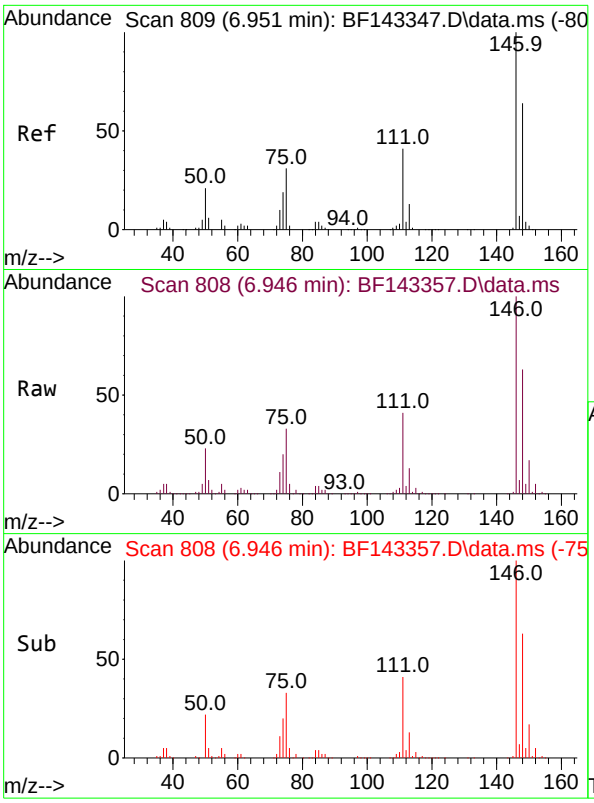


#12
1,3-Dichlorobenzene
Concen: 42.209 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:146 Resp: 470783

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
75	30.4	24.9	37.3



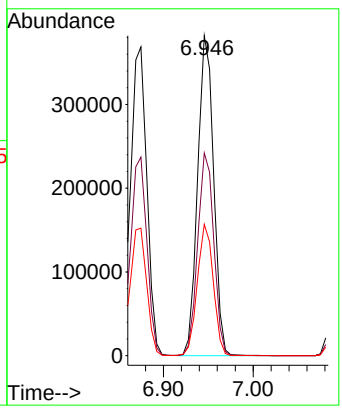


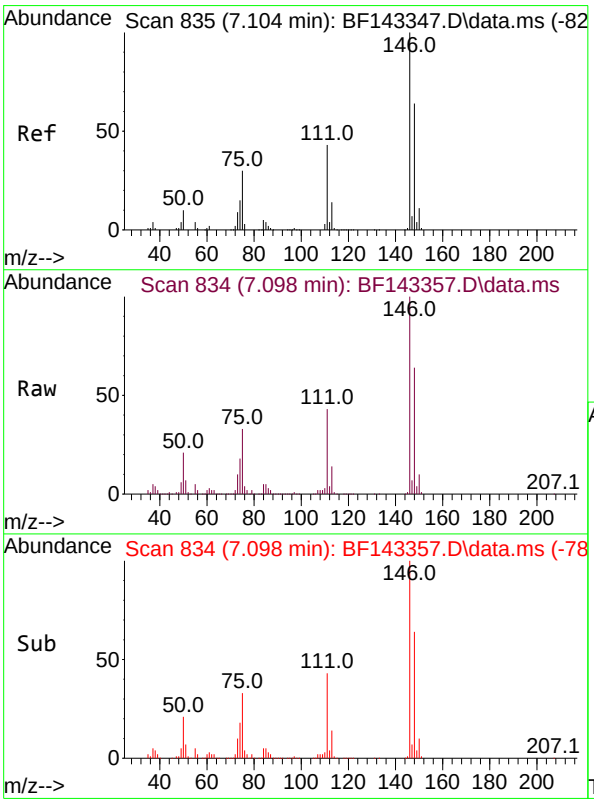
#13
1,4-Dichlorobenzene
Concen: 42.237 ng
RT: 6.946 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:146 Resp: 472815

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.4	77.0
111	41.0	32.6	48.8

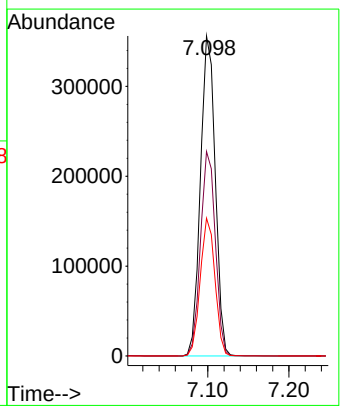


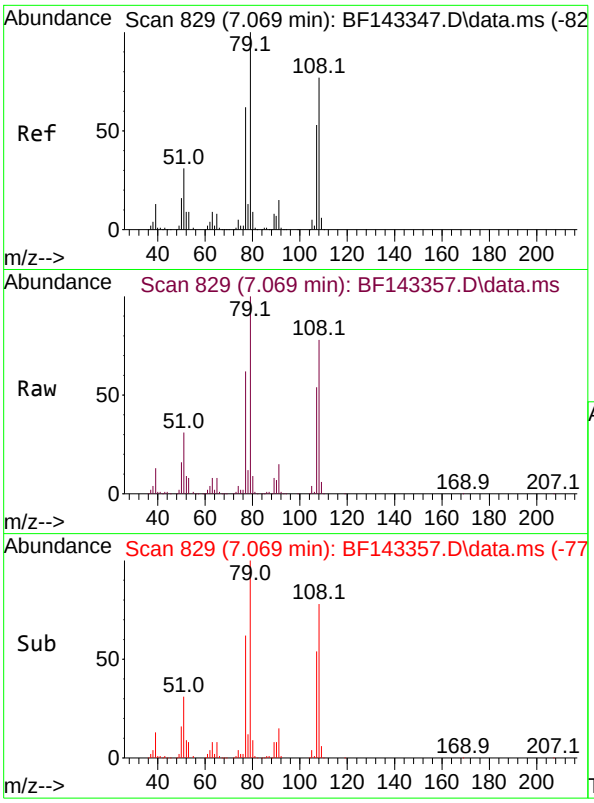


#14
1,2-Dichlorobenzene
Concen: 42.508 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:146 Resp: 451704

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	43.0	34.1	51.1



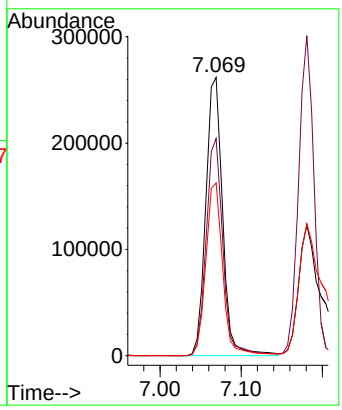


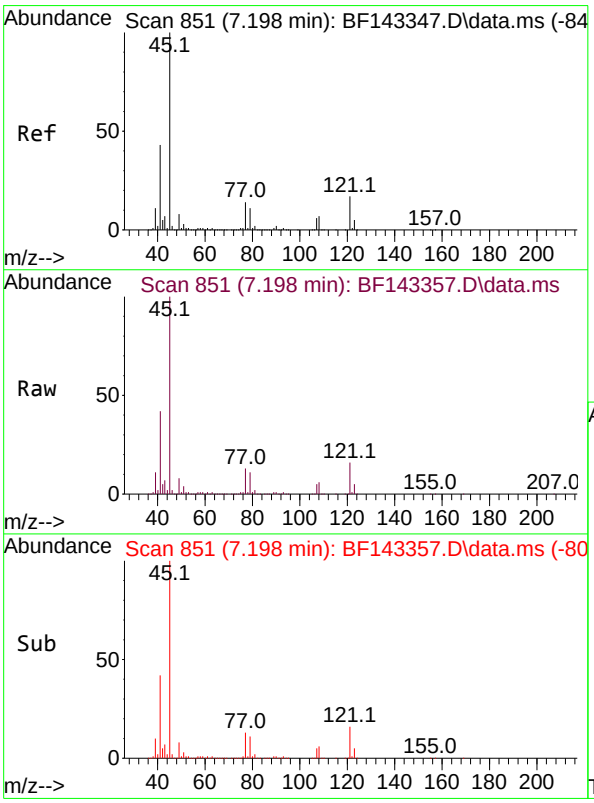
#15
Benzyl Alcohol
Concen: 45.195 ng
RT: 7.069 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 79 Resp: 375963

Ion	Ratio	Lower	Upper
79	100		
108	78.0	61.5	92.3
77	62.1	49.8	74.8

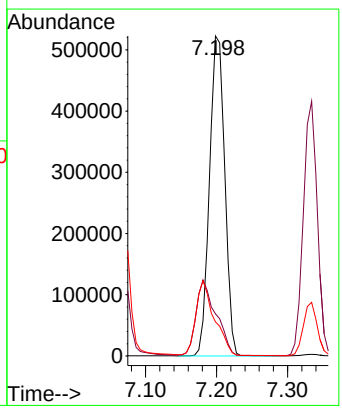


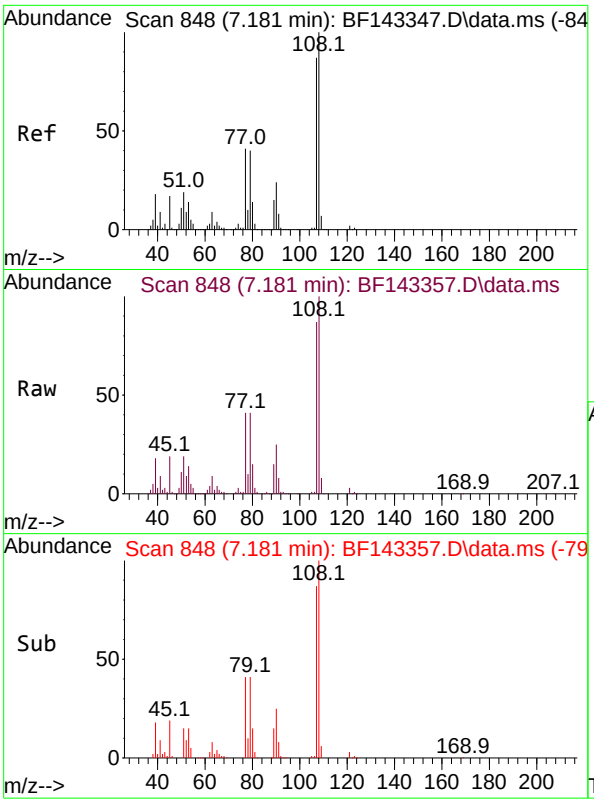


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.164 ng
RT: 7.198 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 45 Resp: 780803

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	34.0
79	10.6	0.0	31.1



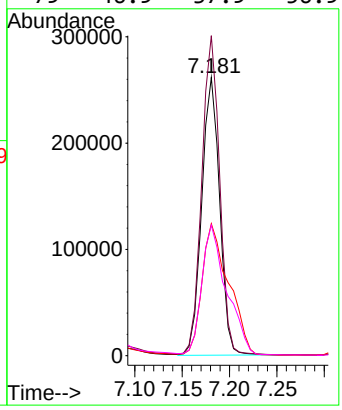


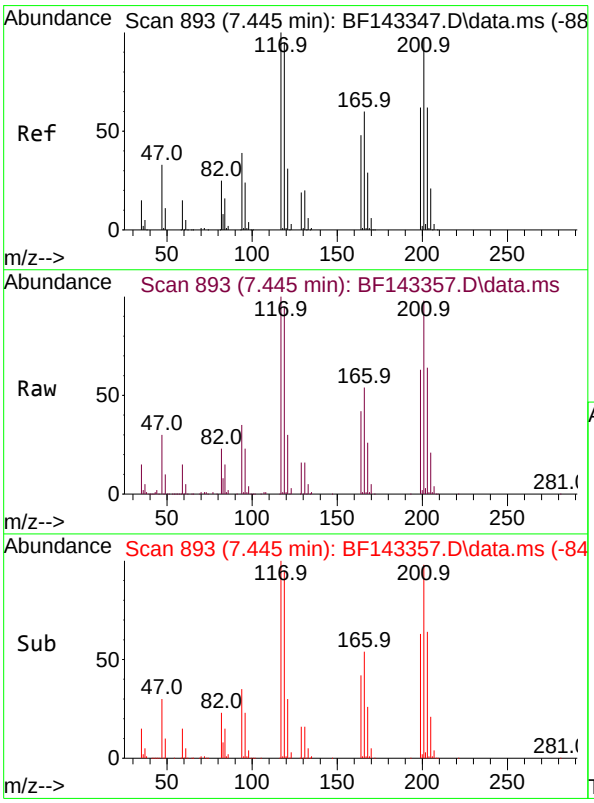
#17
2-Methylphenol
Concen: 42.029 ng
RT: 7.181 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:107 Resp: 343061

Ion	Ratio	Lower	Upper
107	100		
108	115.0	92.0	138.0
77	47.5	38.2	57.2
79	46.9	37.9	56.9

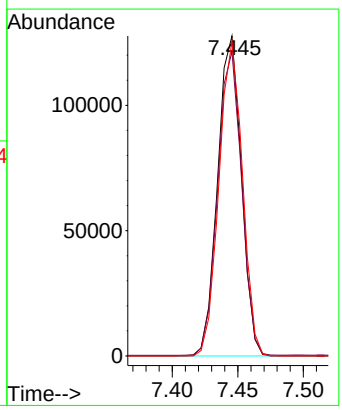


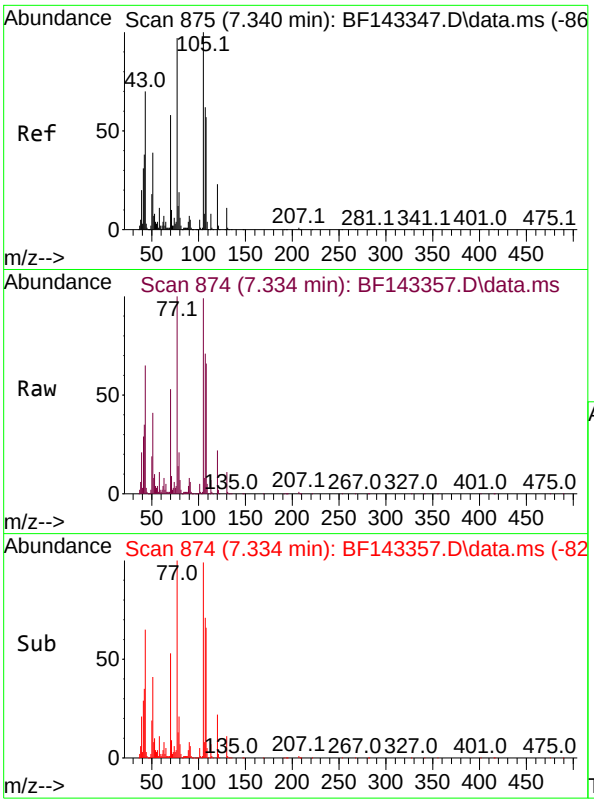


#18
Hexachloroethane
Concen: 45.745 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:117 Resp: 160548

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.8	113.8
201	98.3	77.2	115.8



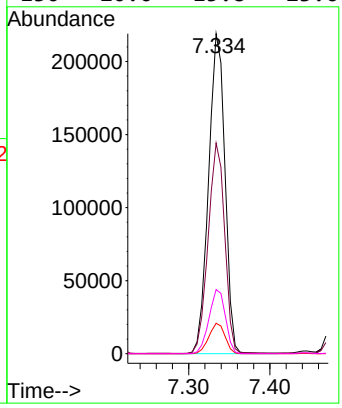


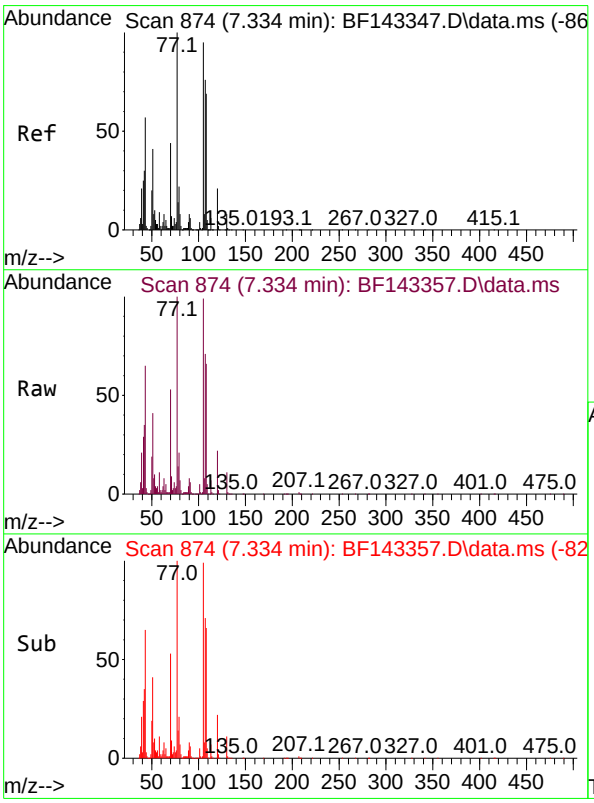
#19
n-Nitroso-di-n-propylamine
Concen: 42.829 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 70 Resp: 307114

Ion	Ratio	Lower	Upper
70	100		
42	65.8	51.6	77.4
101	9.5	7.5	11.3
130	20.0	15.8	23.6

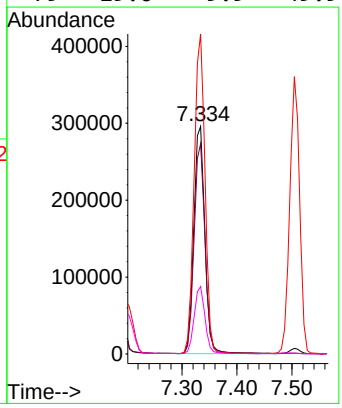


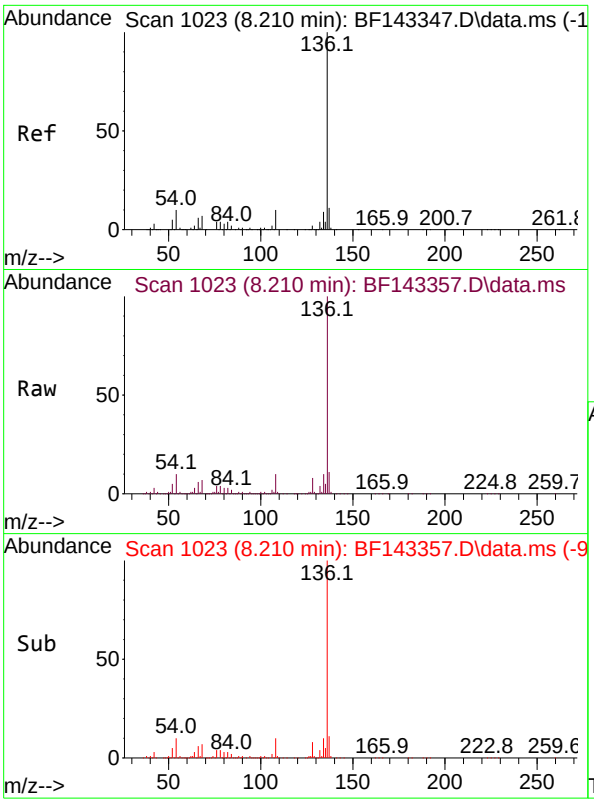


#20
3+4-Methylphenols
Concen: 41.800 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:107 Resp: 412632

Ion	Ratio	Lower	Upper
107	100		
108	92.4	70.6	110.6
77	140.6	112.0	152.0
79	29.6	9.9	49.9



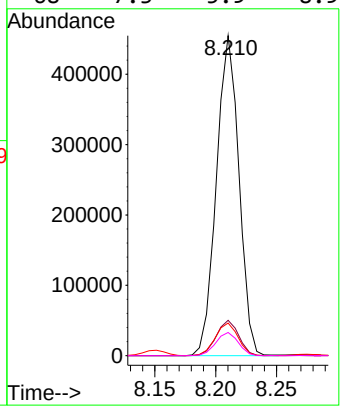


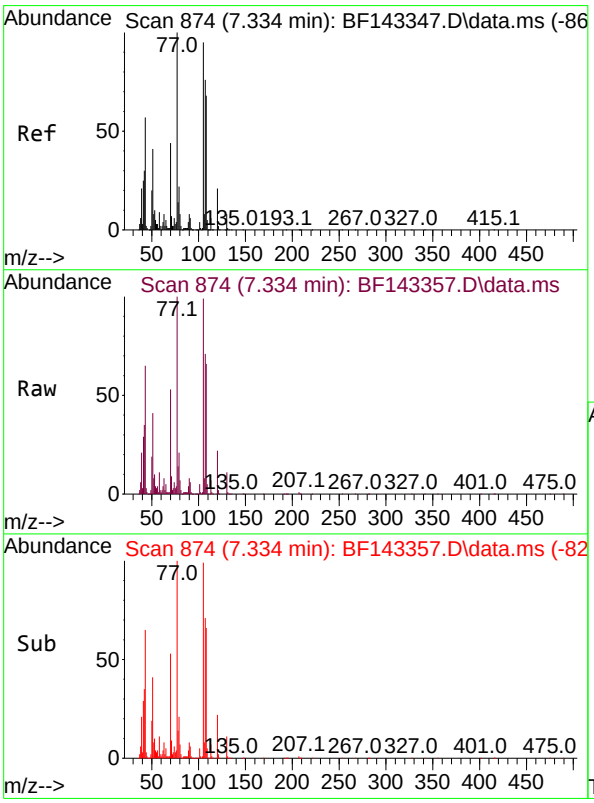
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:136 Resp: 586819

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.2	8.4	12.6
68	7.3	5.9	8.9

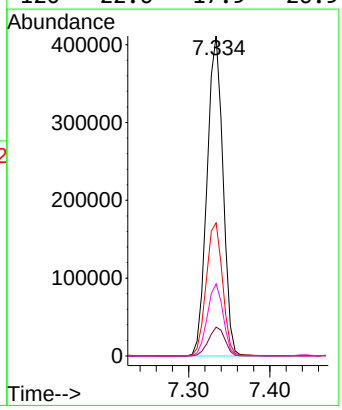


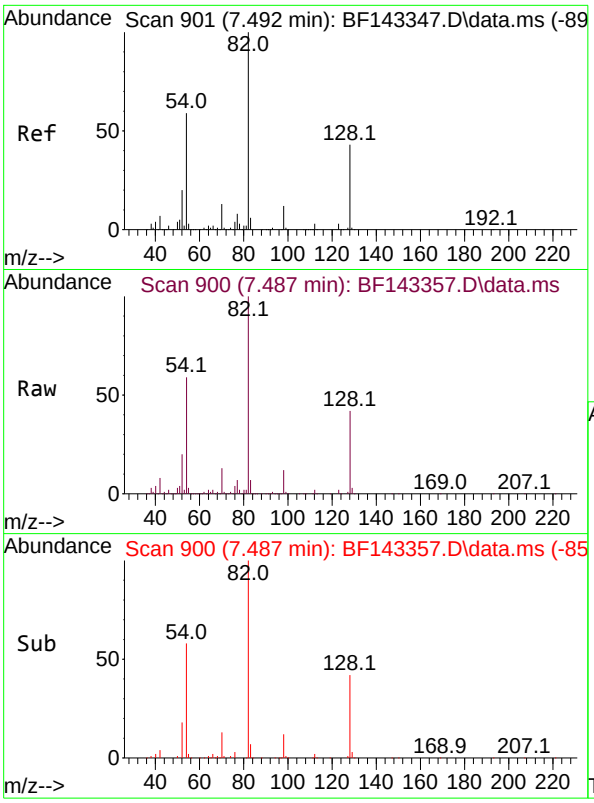


#22
Acetophenone
Concen: 43.321 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:105 Resp: 560121

Ion	Ratio	Lower	Upper
105	100		
71	9.0	6.2	9.4
51	41.6	34.8	52.2
120	22.6	17.9	26.9



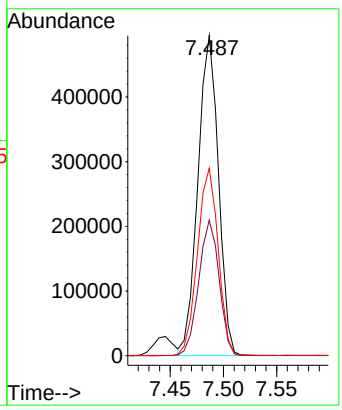


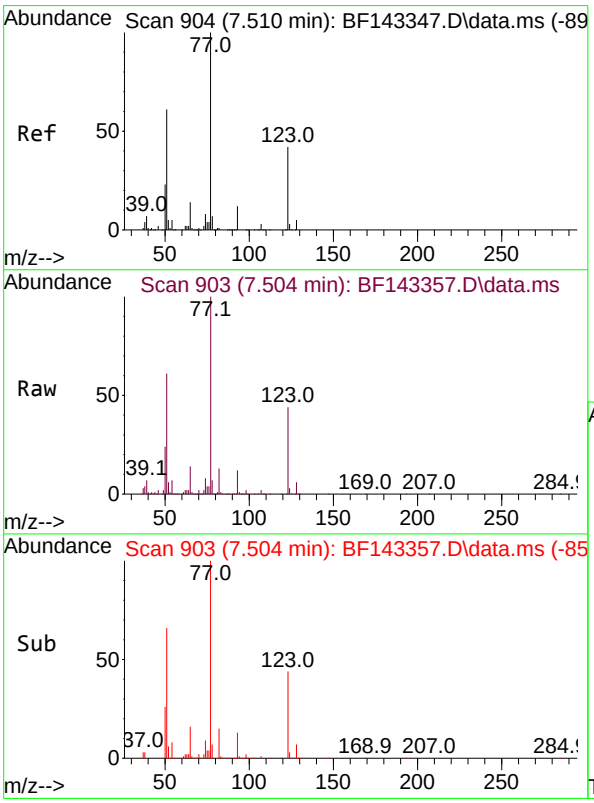
#23
Nitrobenzene-d5
Concen: 70.474 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 82 Resp: 664096

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.5	50.3
54	58.6	46.7	70.1

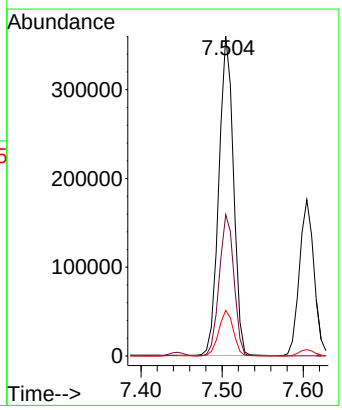


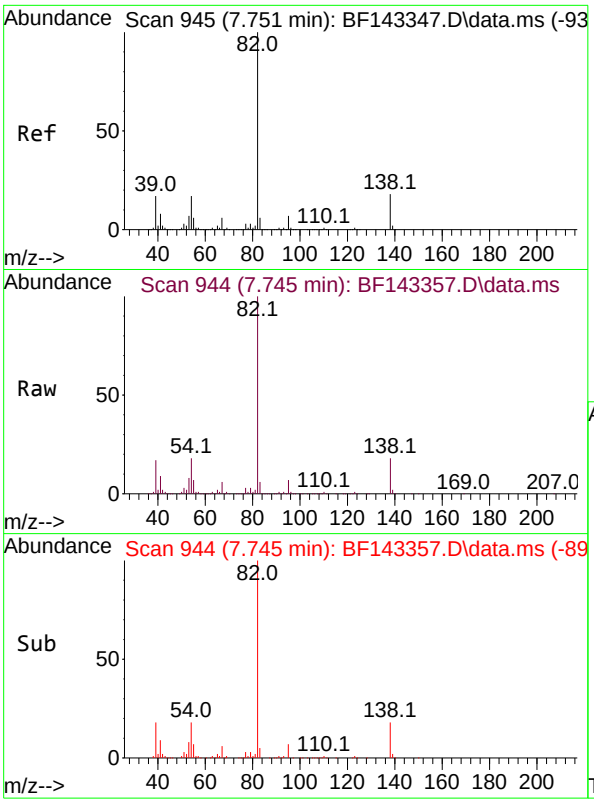


#24
Nitrobenzene
Concen: 44.006 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 77 Resp: 450357

Ion	Ratio	Lower	Upper
77	100		
123	44.2	34.8	52.2
65	14.3	11.0	16.6



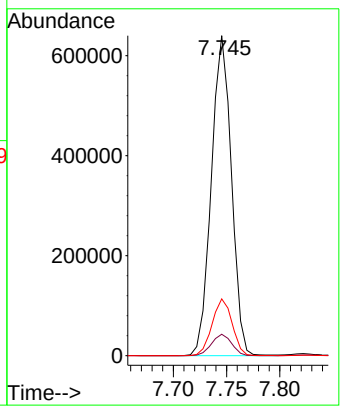


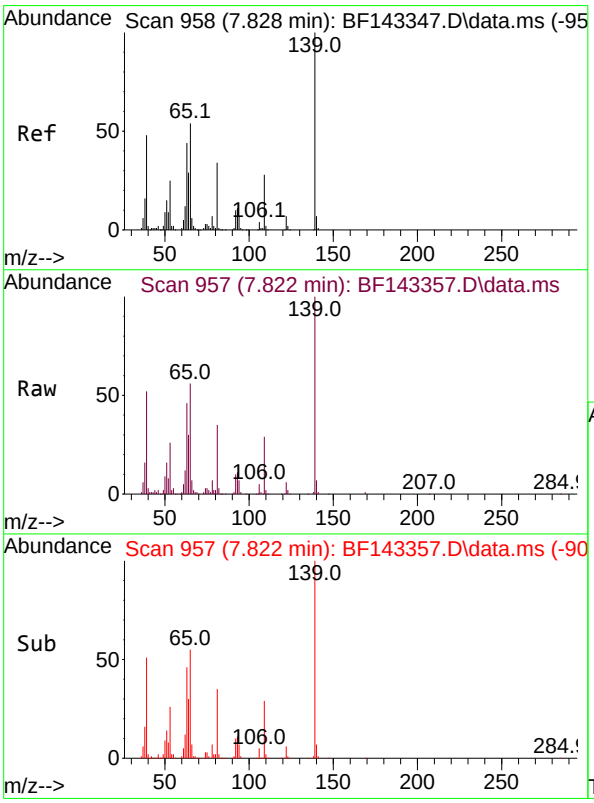
#25
Isophorone
Concen: 43.659 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 82 Resp: 839858

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.8	14.6	21.8

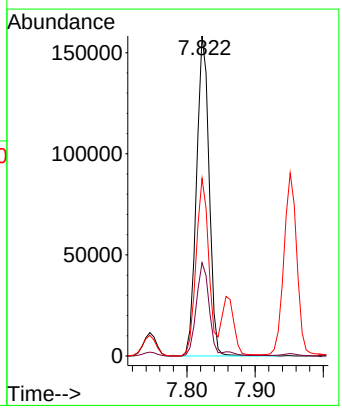


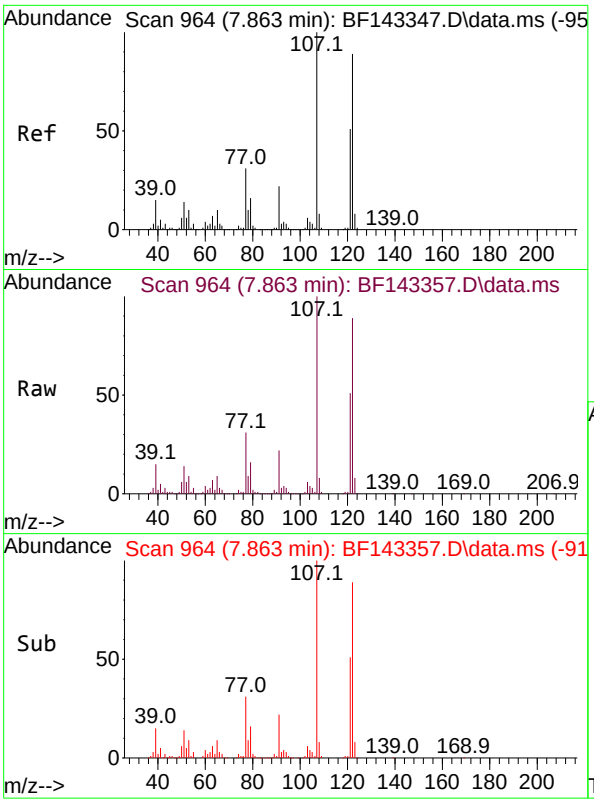


#26
2-Nitrophenol
Concen: 49.386 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:139 Resp: 203007

Ion	Ratio	Lower	Upper
139	100		
109	29.2	22.4	33.6
65	55.5	42.9	64.3



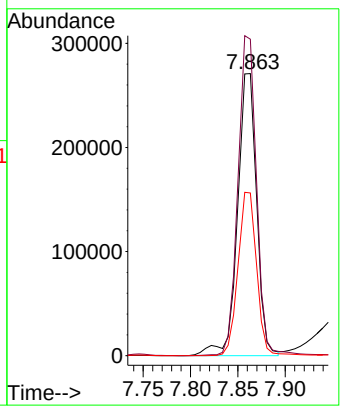


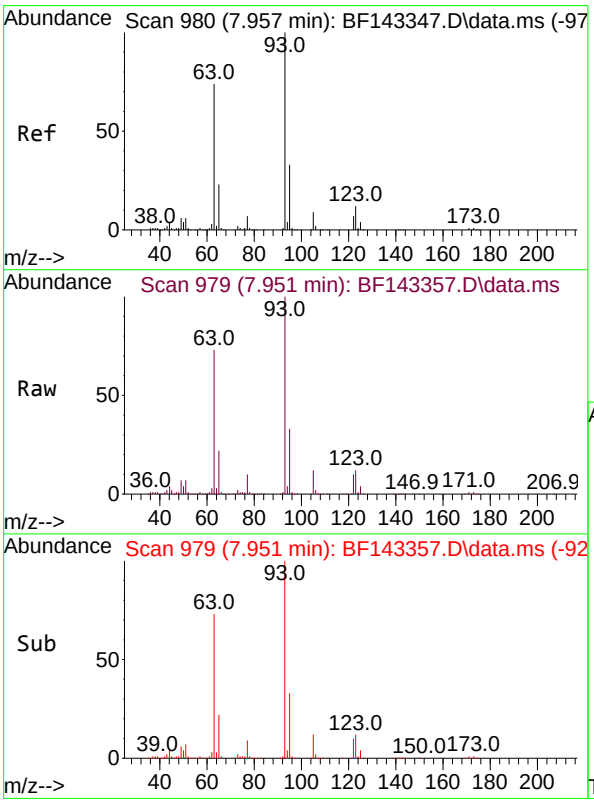
#27
2,4-Dimethylphenol
Concen: 47.278 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:122 Resp: 379436

Ion	Ratio	Lower	Upper
122	100		
107	112.2	89.9	134.9
121	57.7	46.2	69.4

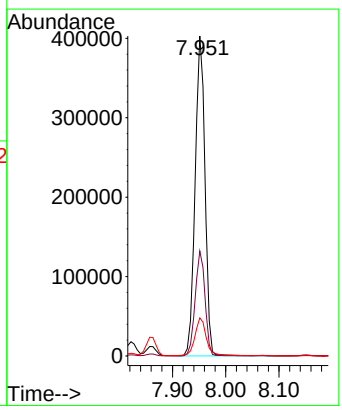


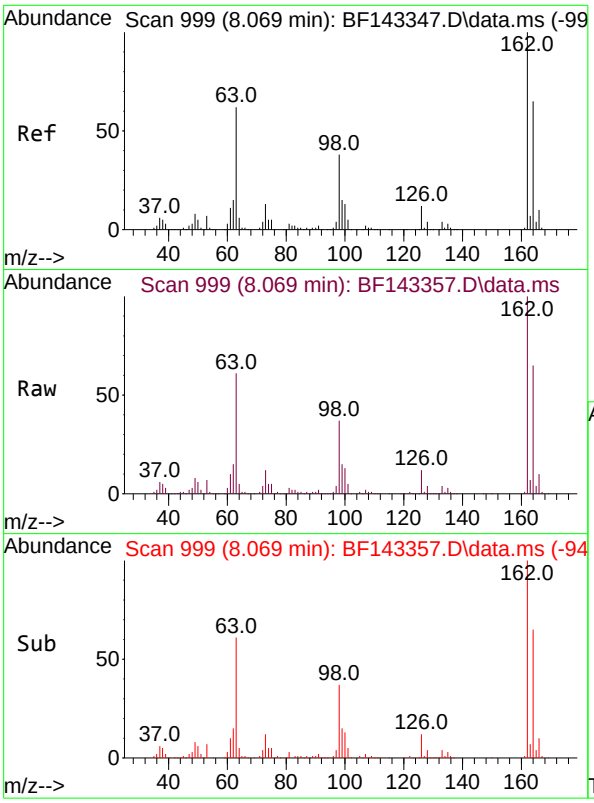


#28
bis(2-Chloroethoxy)methane
Concen: 44.208 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 93 Resp: 519224

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.9	9.4	14.2



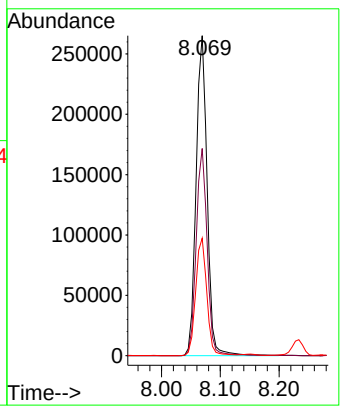


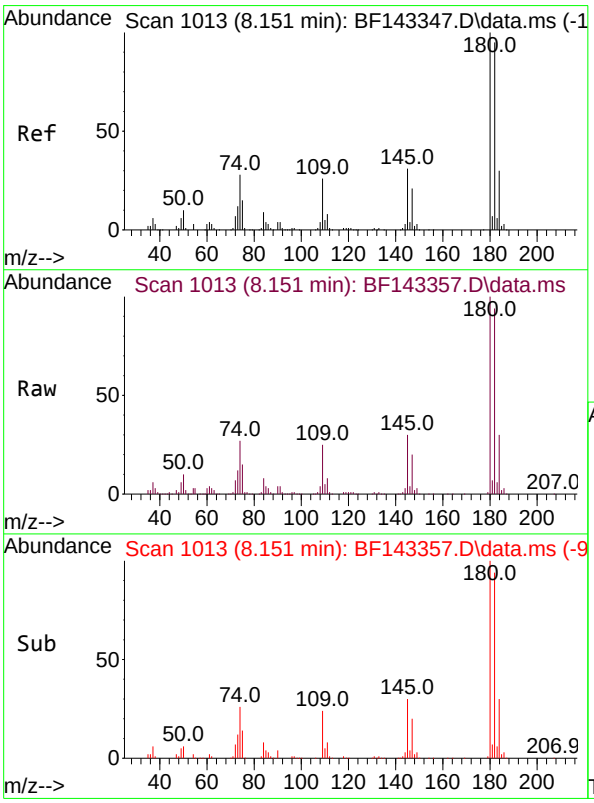
#29
2,4-Dichlorophenol
Concen: 44.083 ng
RT: 8.069 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:162 Resp: 345552

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.5	84.5
98	36.7	17.7	57.7

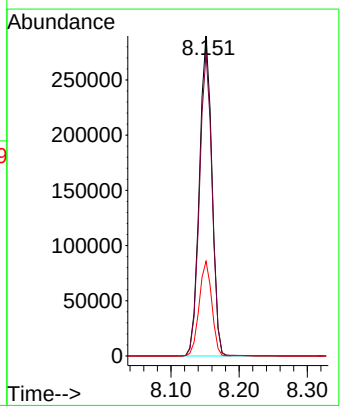


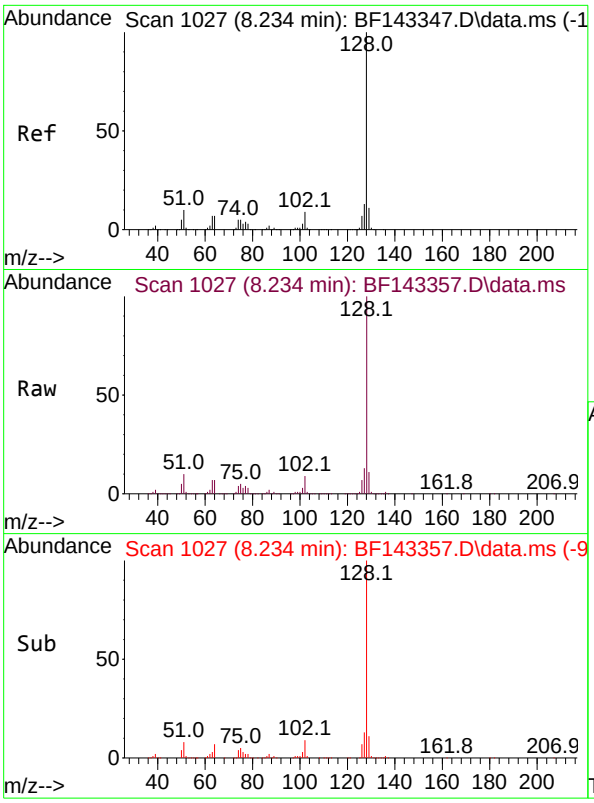


#30
1,2,4-Trichlorobenzene
Concen: 44.921 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:180 Resp: 371431

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
145	29.6	24.9	37.3



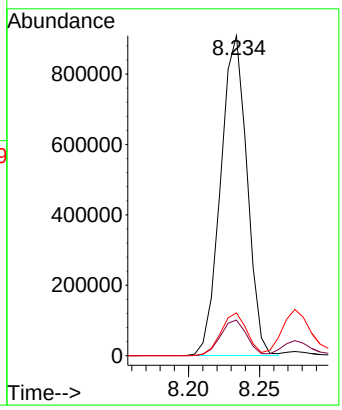


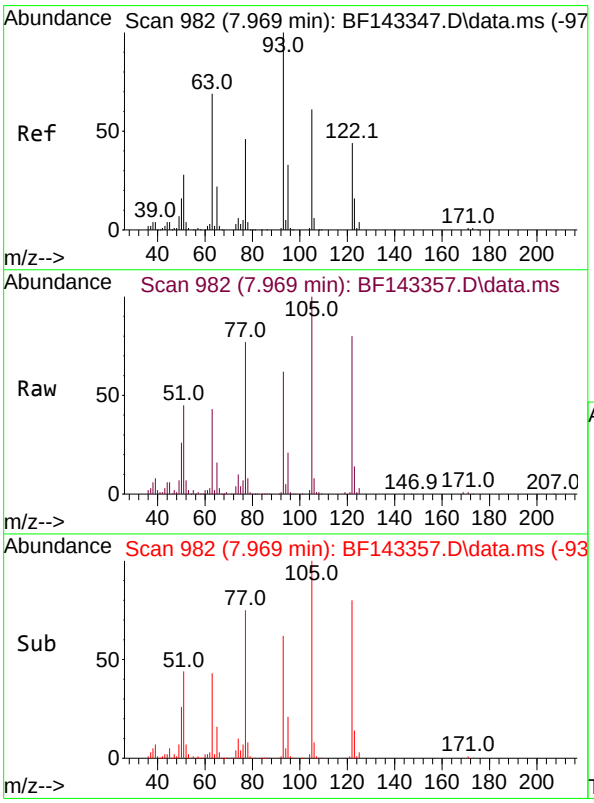
#31
Naphthalene
Concen: 41.588 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:128 Resp: 1174328

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.3	10.7	16.1

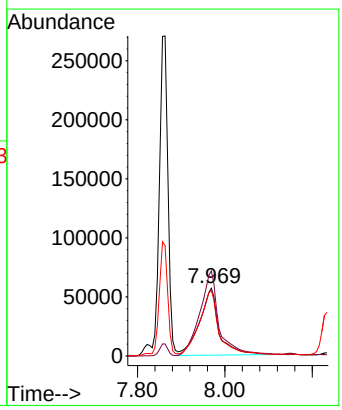


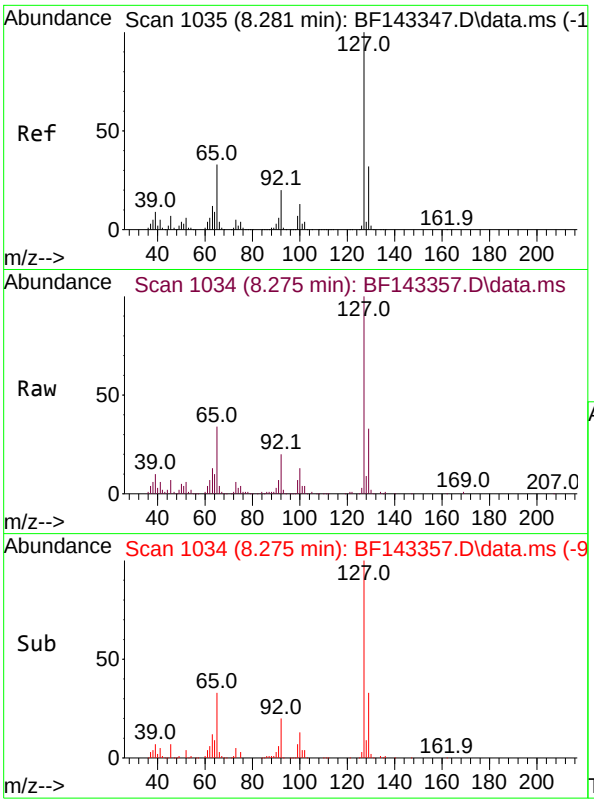


#32
Benzoic acid
Concen: 50.149 ng
RT: 7.969 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:122 Resp: 177442

Ion	Ratio	Lower	Upper
122	100		
105	125.7	106.4	146.4
77	97.2	79.2	119.2



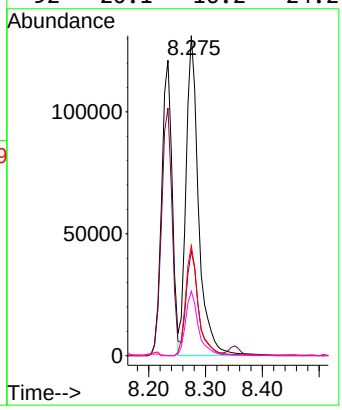


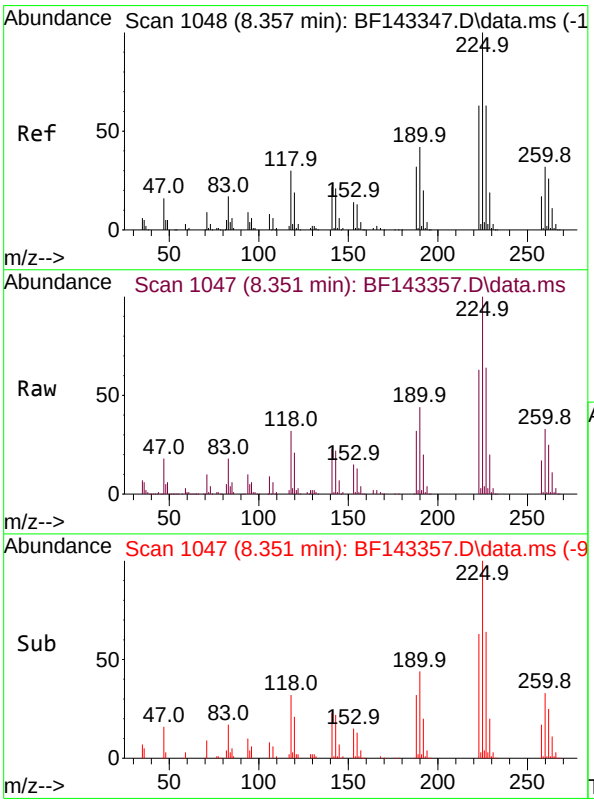
#33
4-Chloroaniline
Concen: 19.886 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:127 Resp: 202527

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.0	39.0
65	34.4	27.0	40.4
92	20.1	16.2	24.2

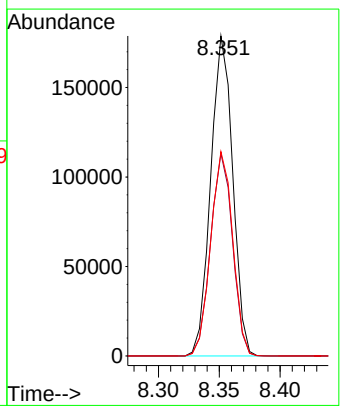


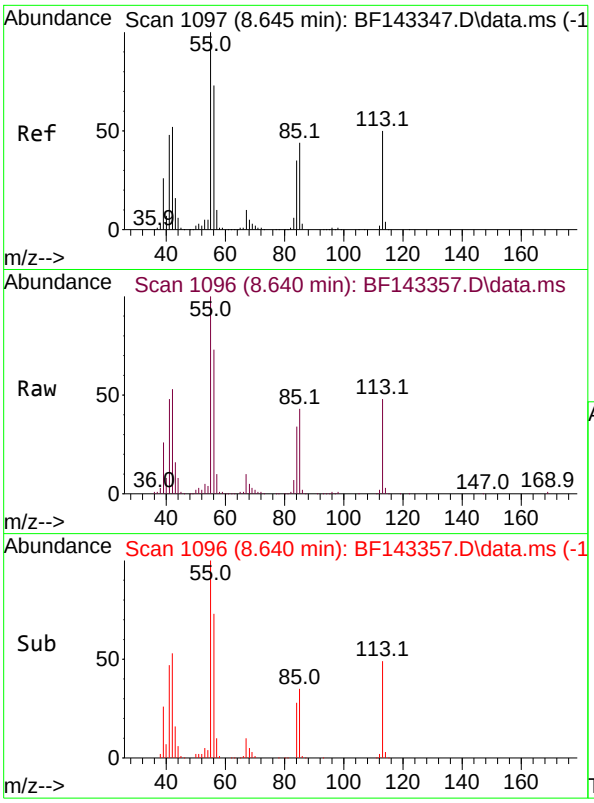


#34
Hexachlorobutadiene
Concen: 43.713 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:225 Resp: 224841

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.1	75.1
227	63.9	50.6	75.8



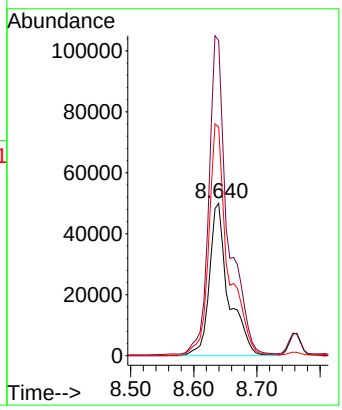


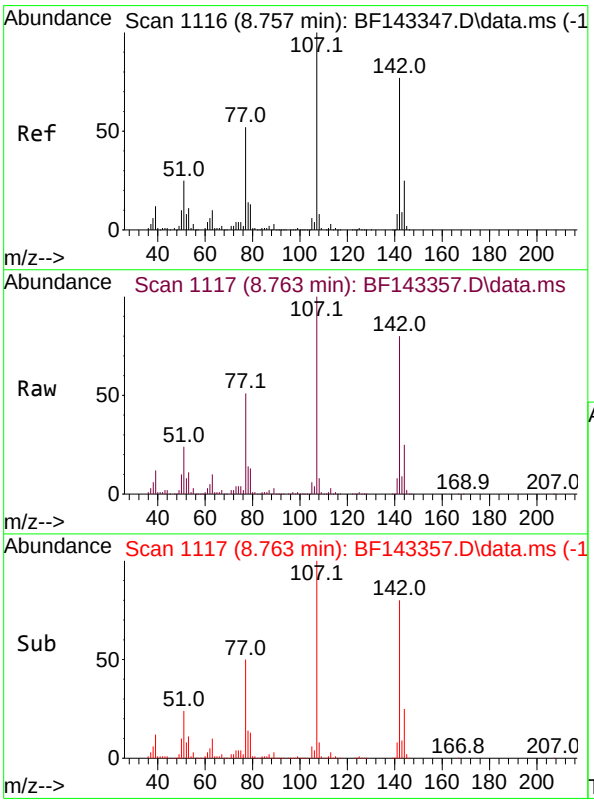
#35
Caprolactam
Concen: 47.840 ng
RT: 8.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:113 Resp: 105422

Ion	Ratio	Lower	Upper
113	100		
55	206.8	181.4	221.4
56	150.0	127.3	167.3

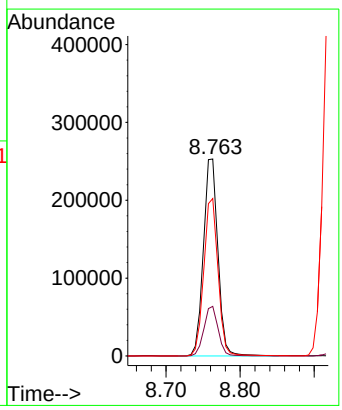


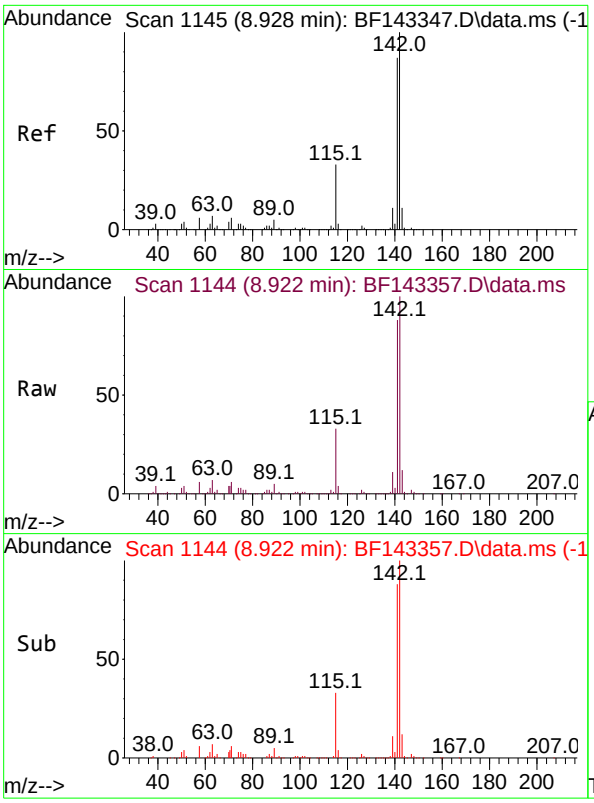


#36
4-Chloro-3-methylphenol
Concen: 41.977 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:107 Resp: 344956

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.0	30.0
142	79.9	61.3	91.9



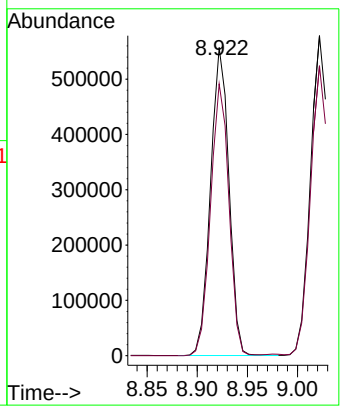


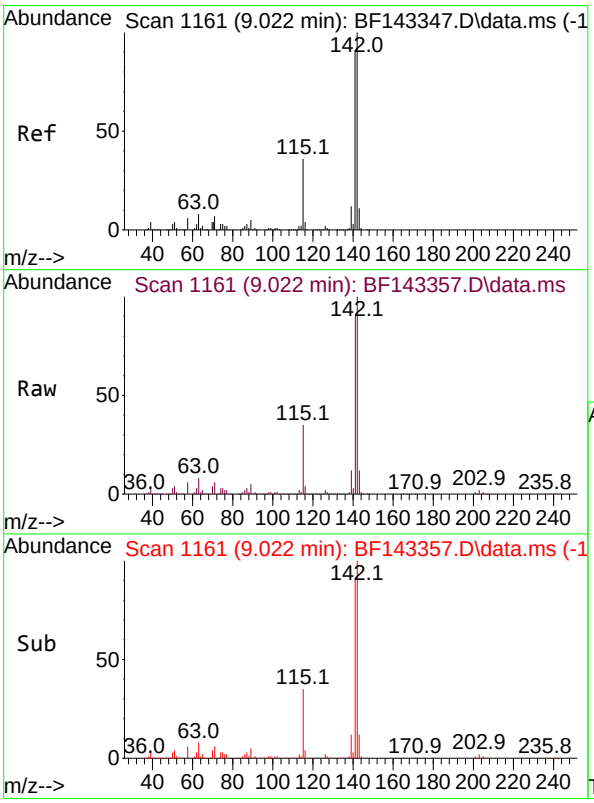
#37
2-Methylnaphthalene
Concen: 38.278 ng
RT: 8.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:142 Resp: 710577

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.8	104.8

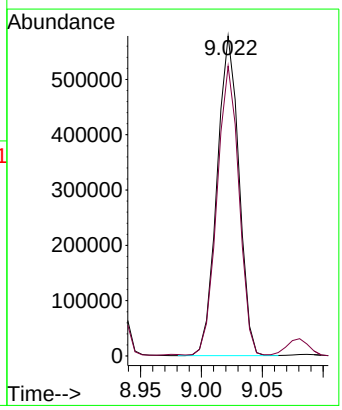


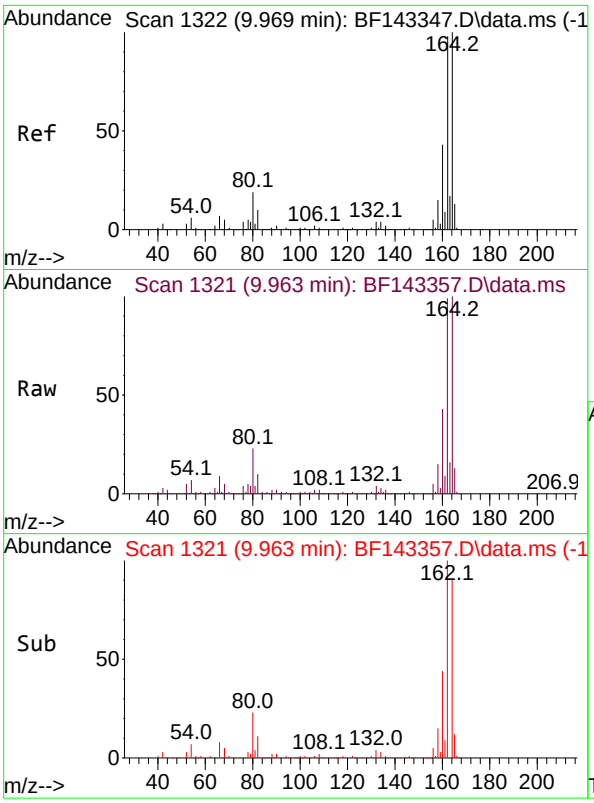


#38
1-Methylnaphthalene
Concen: 40.608 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:142 Resp: 726026

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.0	109.4



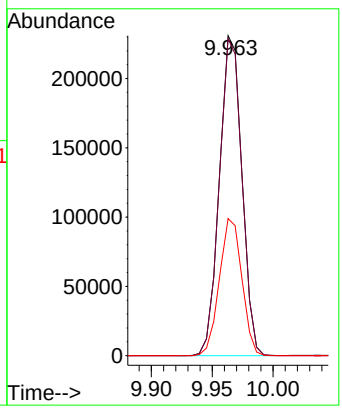


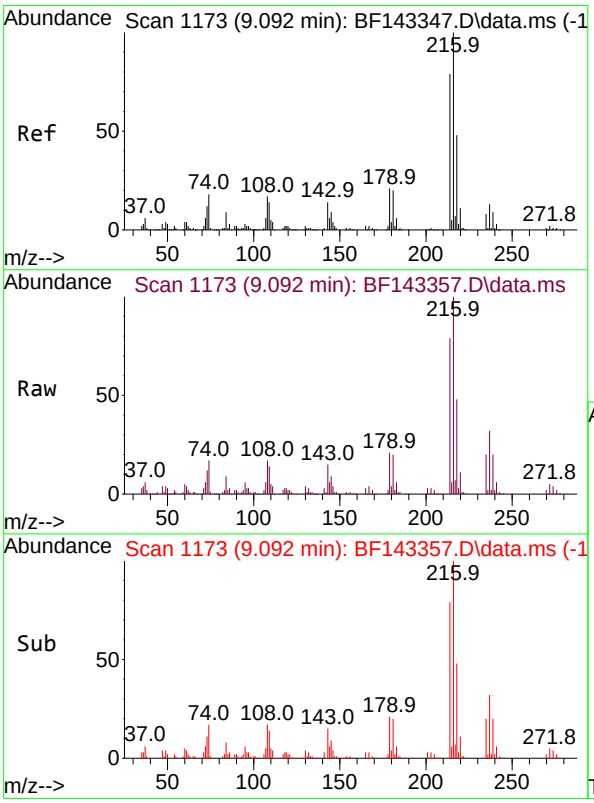
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:164 Resp: 297224

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.6	118.0
160	42.9	34.4	51.6

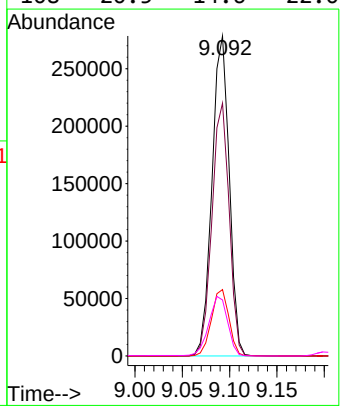


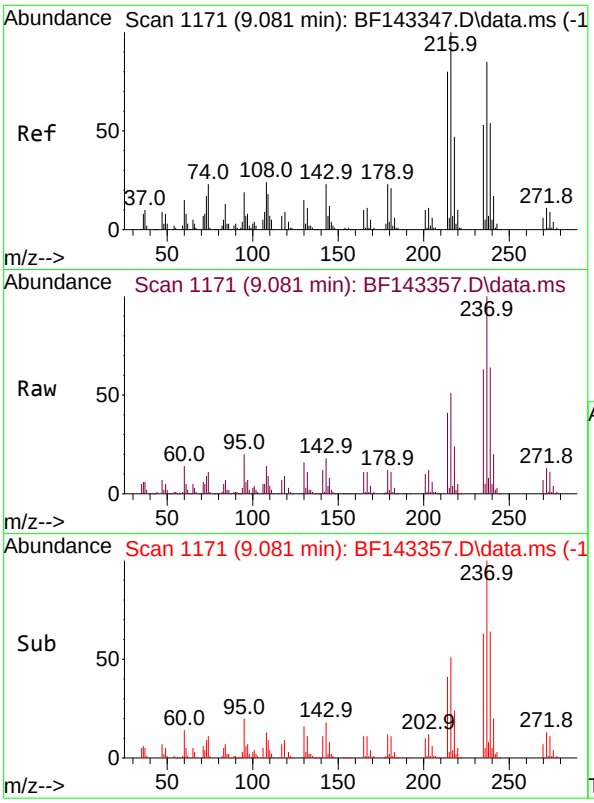


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.243 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:216 Resp: 351713

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	21.1	17.0	25.4
108	20.5	14.6	22.0



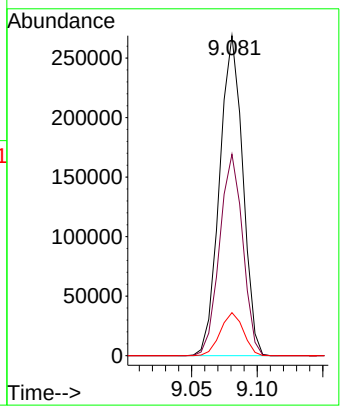


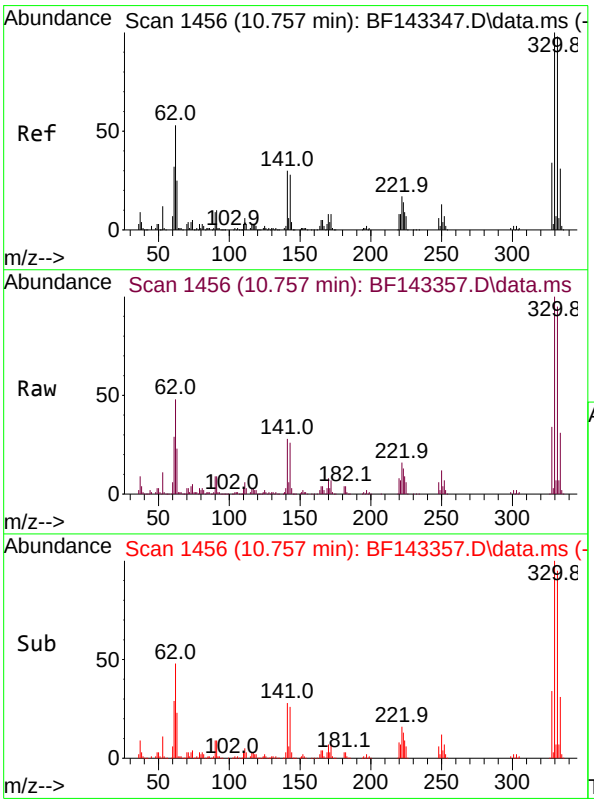
#41
Hexachlorocyclopentadiene
Concen: 112.352 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:237 Resp: 330717

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.0	82.0
272	13.4	0.0	32.6

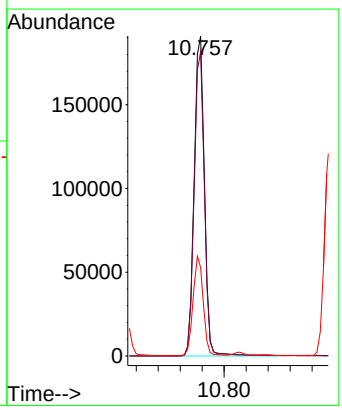


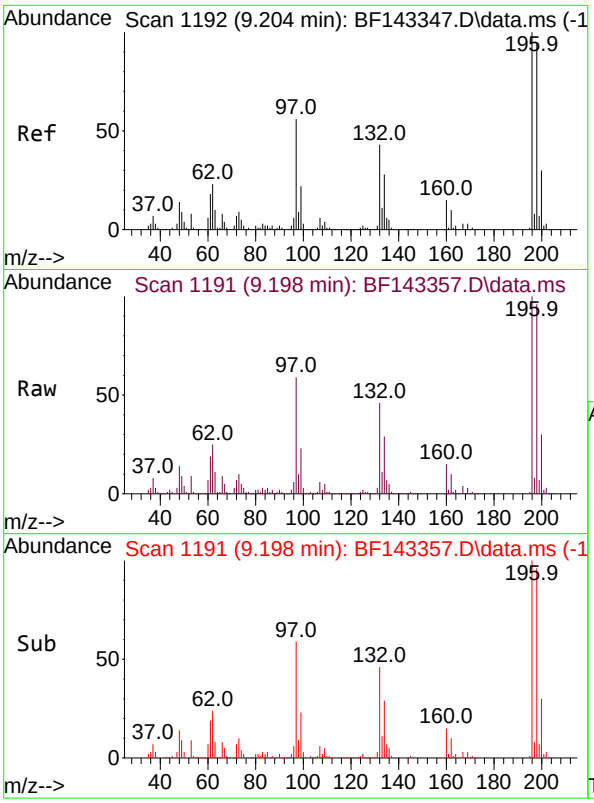


#42
2,4,6-Tribromophenol
Concen: 114.015 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:330 Resp: 247661

Ion	Ratio	Lower	Upper
330	100		
332	95.2	78.1	117.1
141	30.7	25.4	38.0



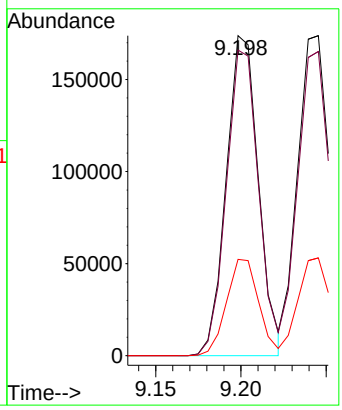


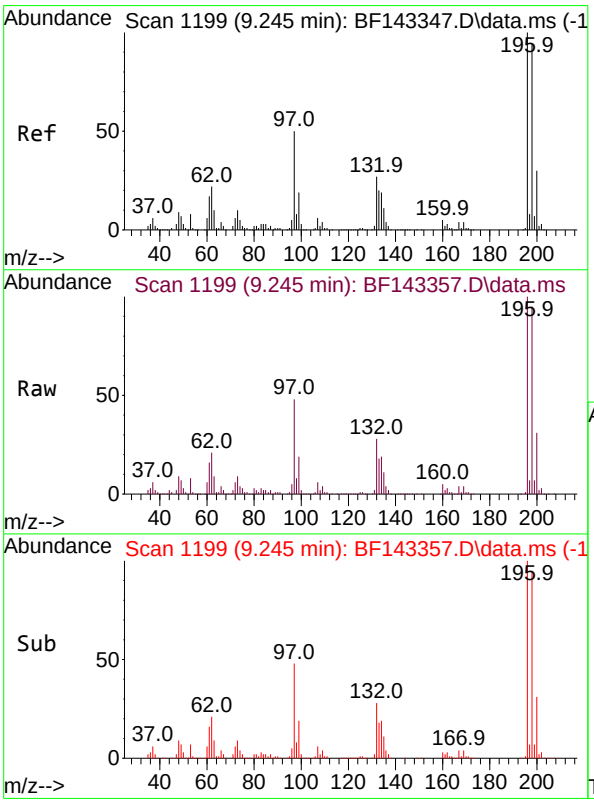
#43
2,4,6-Trichlorophenol
Concen: 49.384 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:196 Resp: 227894

Ion	Ratio	Lower	Upper
196	100		
198	95.5	75.4	113.0
200	30.1	24.3	36.5

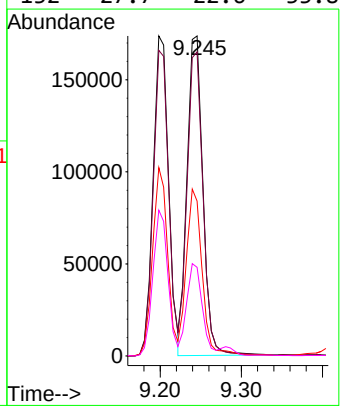


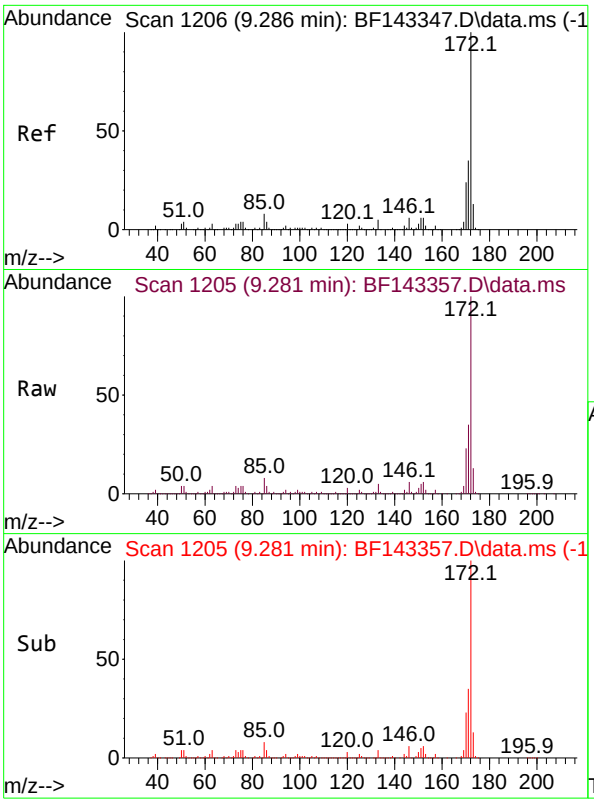


#44
2,4,5-Trichlorophenol
Concen: 45.413 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:196 Resp: 236660

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.2
97	48.4	39.9	59.9
132	27.7	22.6	33.8



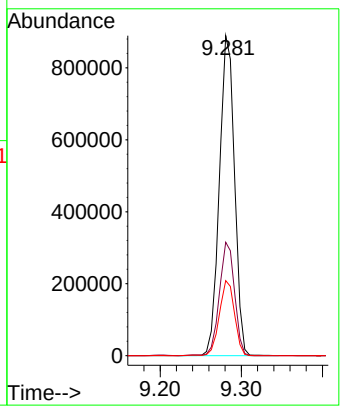


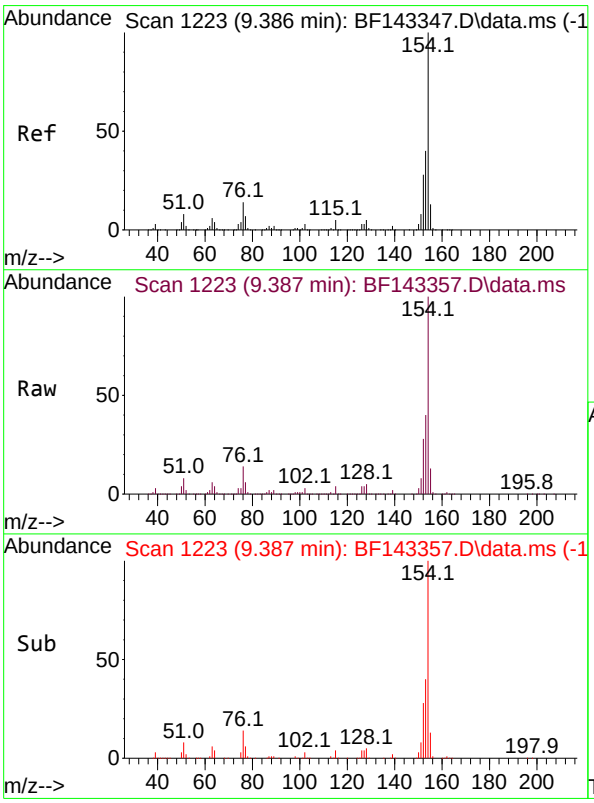
#45
2-Fluorobiphenyl
Concen: 65.853 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:172 Resp: 1154235

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.5	19.1	28.7

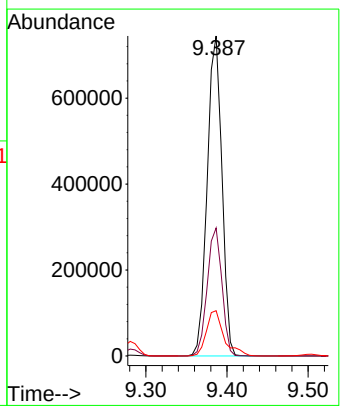


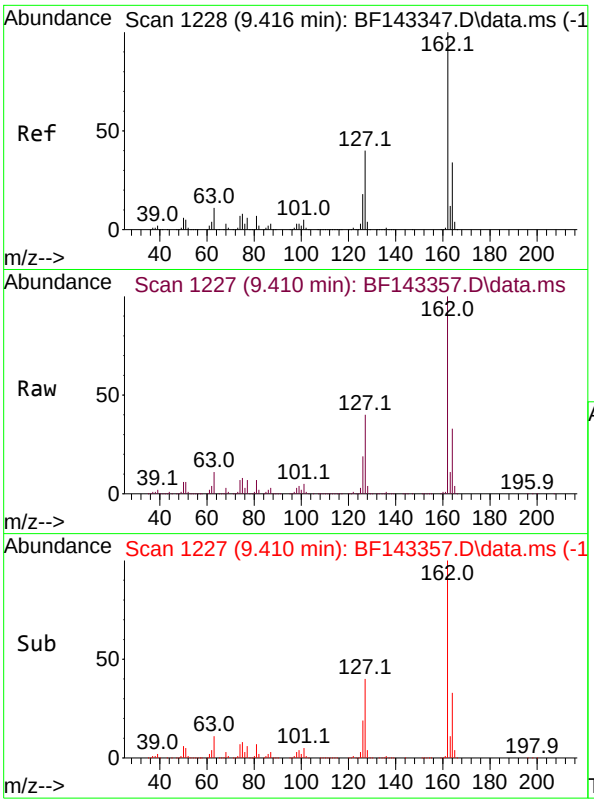


#46
1,1'-Biphenyl
Concen: 44.432 ng
RT: 9.387 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:154 Resp: 933758

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	14.2	0.0	34.4



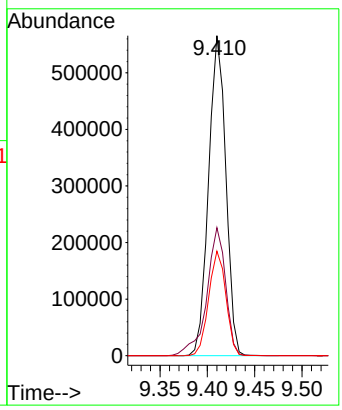


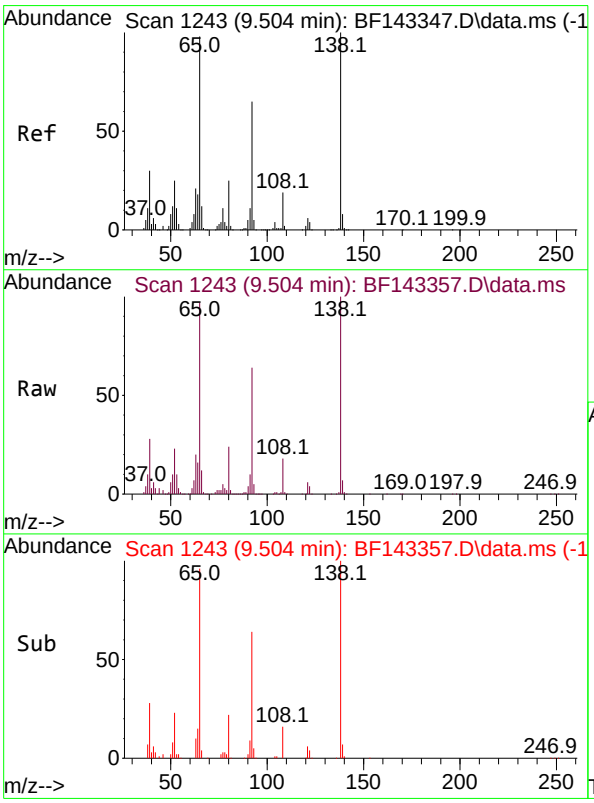
#47
2-Chloronaphthalene
Concen: 43.148 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:162 Resp: 714158

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.1	48.1
164	32.7	27.0	40.4

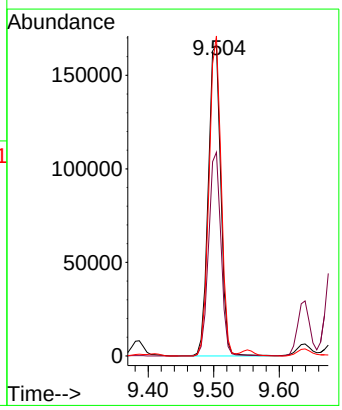


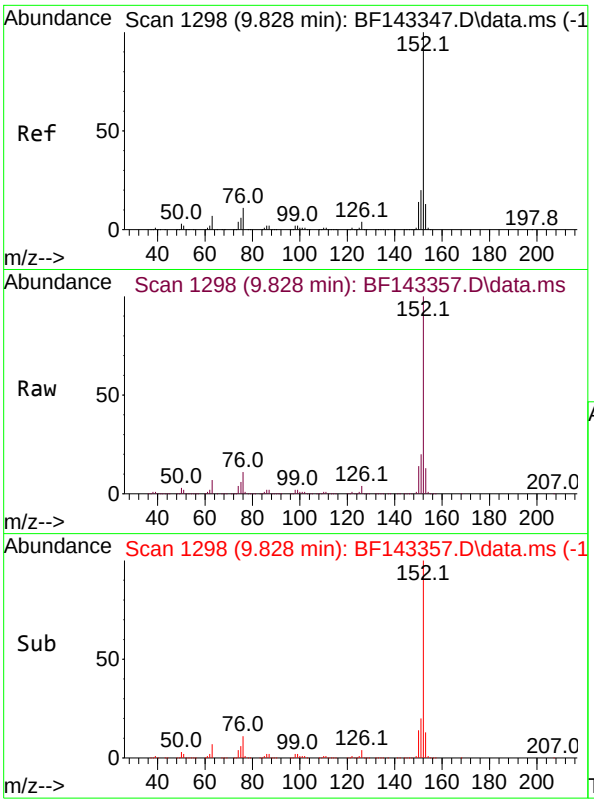


#48
2-Nitroaniline
Concen: 46.525 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion: 65 Resp: 221660

Ion	Ratio	Lower	Upper
65	100		
92	65.6	53.1	79.7
138	103.0	81.4	122.0



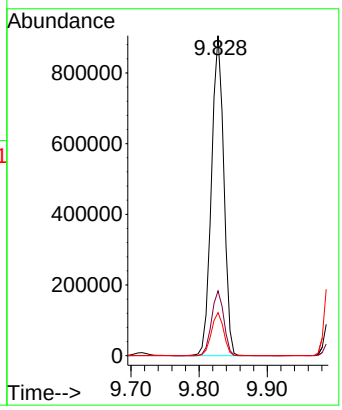


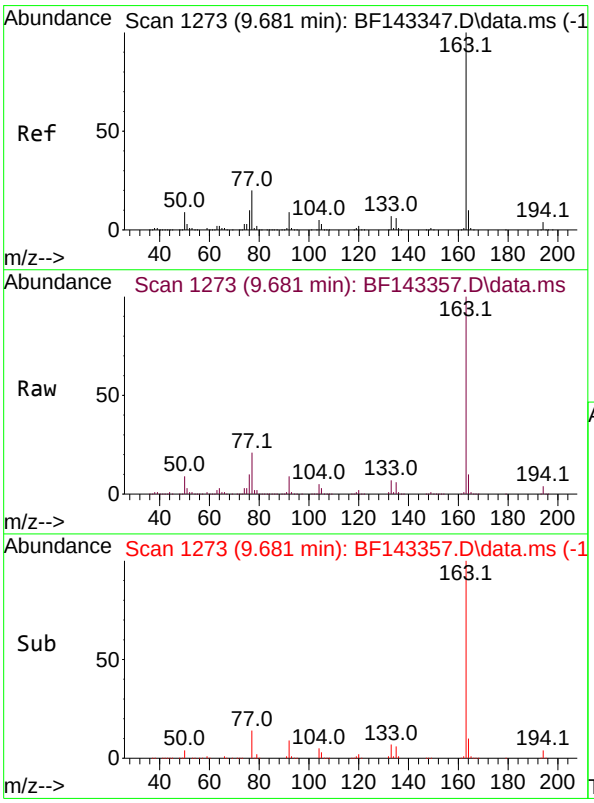
#49
Acenaphthylene
Concen: 47.797 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:152 Resp: 1142446

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.4	10.6	16.0

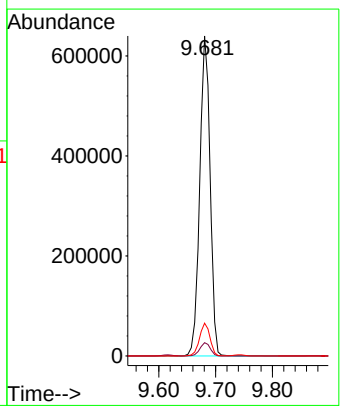


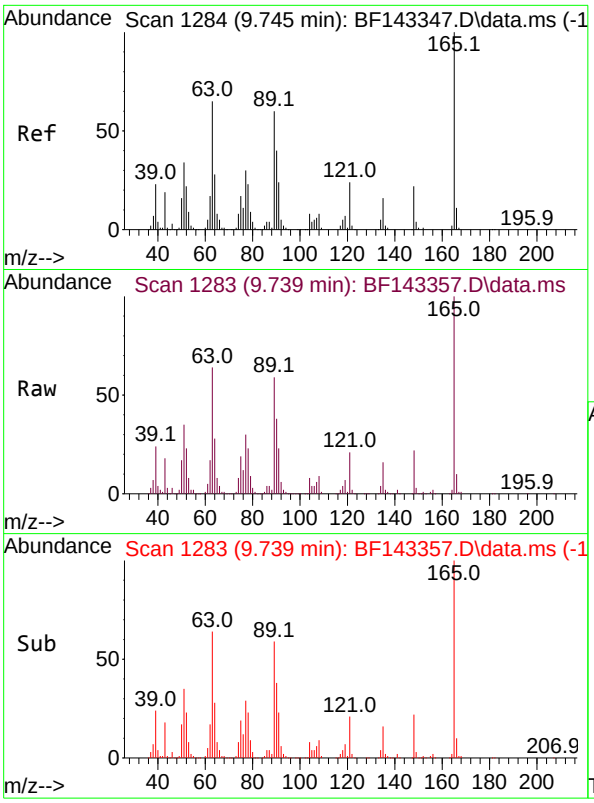


#50
Dimethylphthalate
Concen: 46.743 ng
RT: 9.681 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:163 Resp: 811792

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.3	8.2	12.2



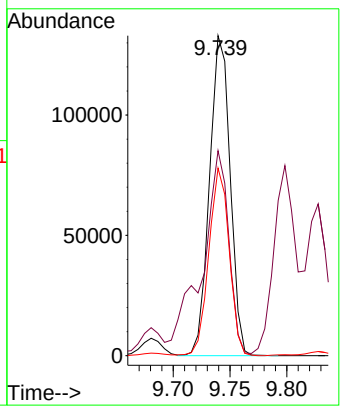


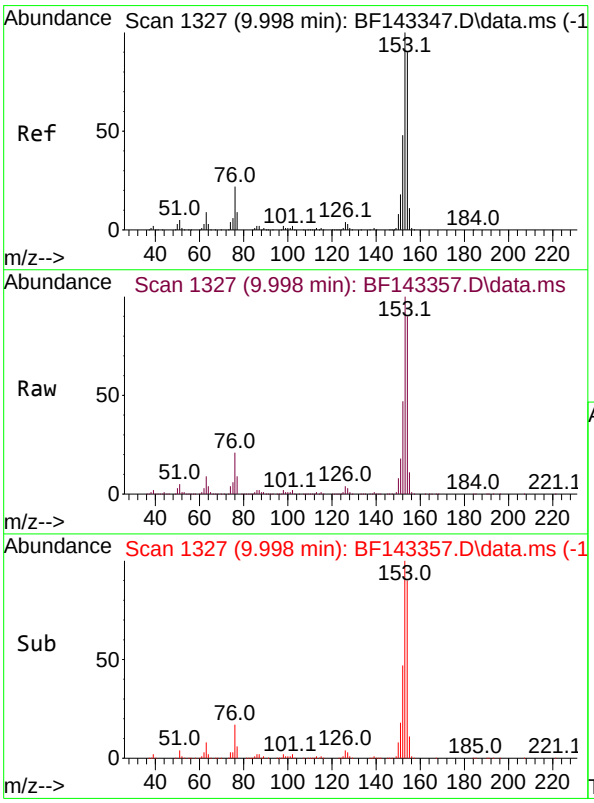
#51
2,6-Dinitrotoluene
Concen: 50.888 ng
RT: 9.739 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:165 Resp: 167865

Ion	Ratio	Lower	Upper
165	100		
63	64.1	51.6	77.4
89	58.6	47.7	71.5

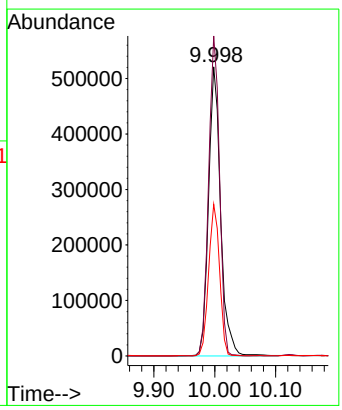


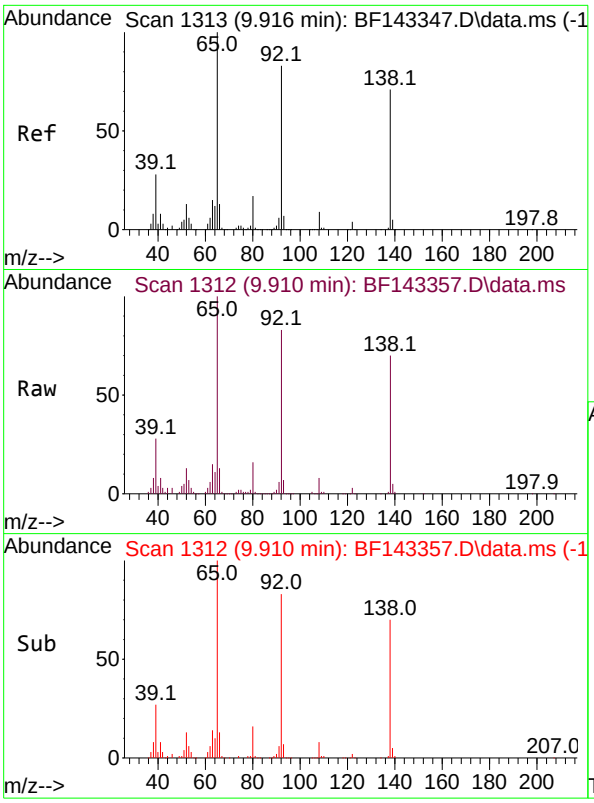


#52
Acenaphthene
Concen: 45.268 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:154 Resp: 719315

Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.5	132.7
152	52.4	42.4	63.6



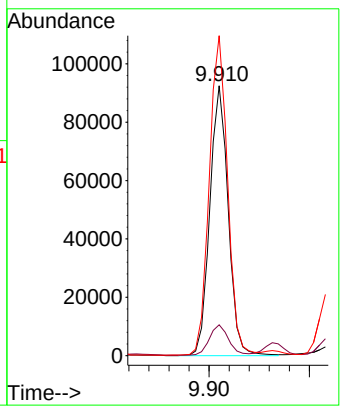


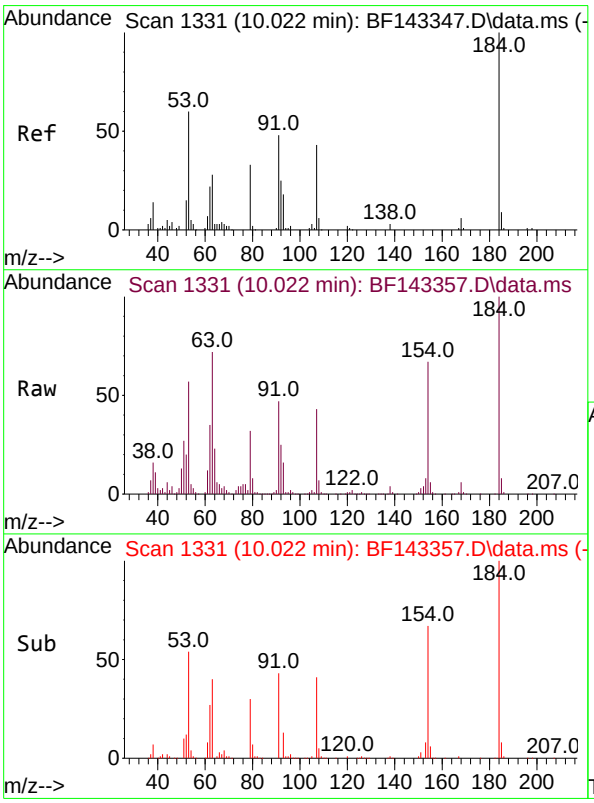
#53
3-Nitroaniline
Concen: 33.042 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:138 Resp: 117520

Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.6	14.4
92	118.5	93.4	140.2

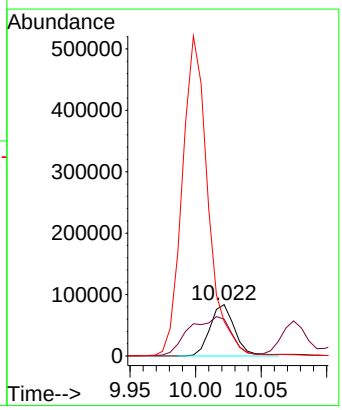


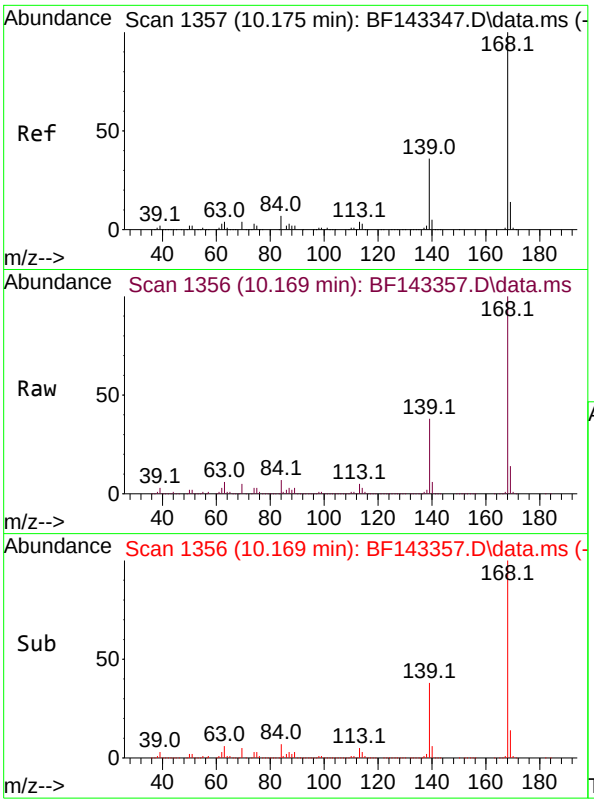


#54
2,4-Dinitrophenol
Concen: 79.443 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:184 Resp: 110126

Ion	Ratio	Lower	Upper
184	100		
63	71.6	62.5	93.7
154	67.3	73.0	109.4#



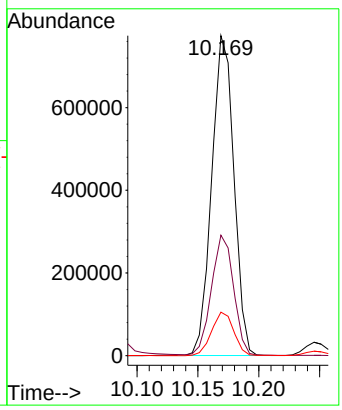


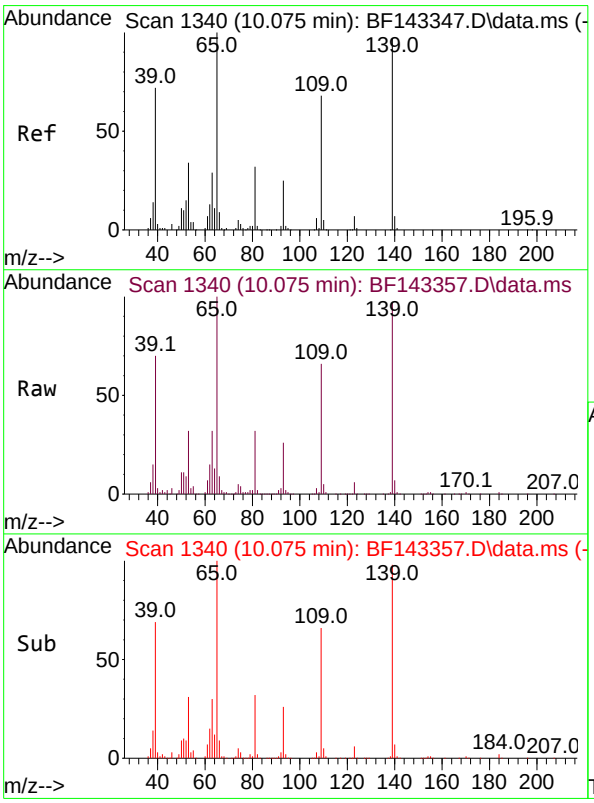
#55
Dibenzofuran
Concen: 42.831 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:168 Resp: 979535

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.4	44.0
169	13.6	11.0	16.6

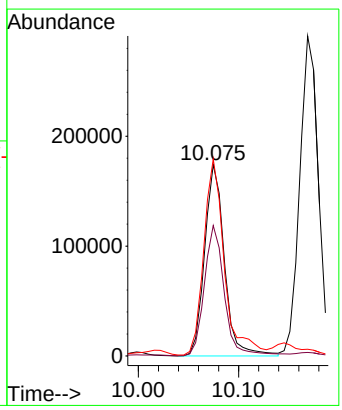


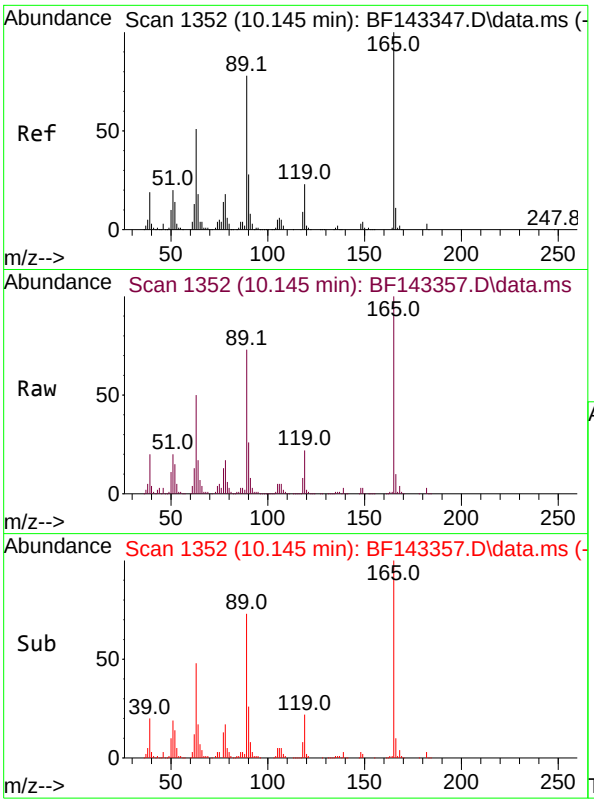


#56
4-Nitrophenol
Concen: 84.124 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:139 Resp: 239983

Ion	Ratio	Lower	Upper
139	100		
109	68.1	49.4	89.4
65	102.9	83.7	123.7



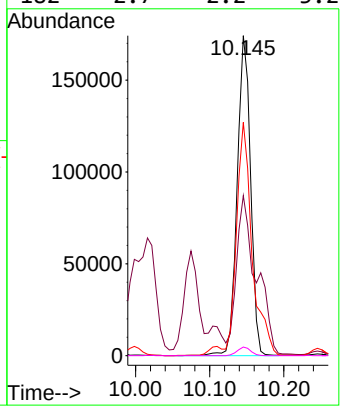


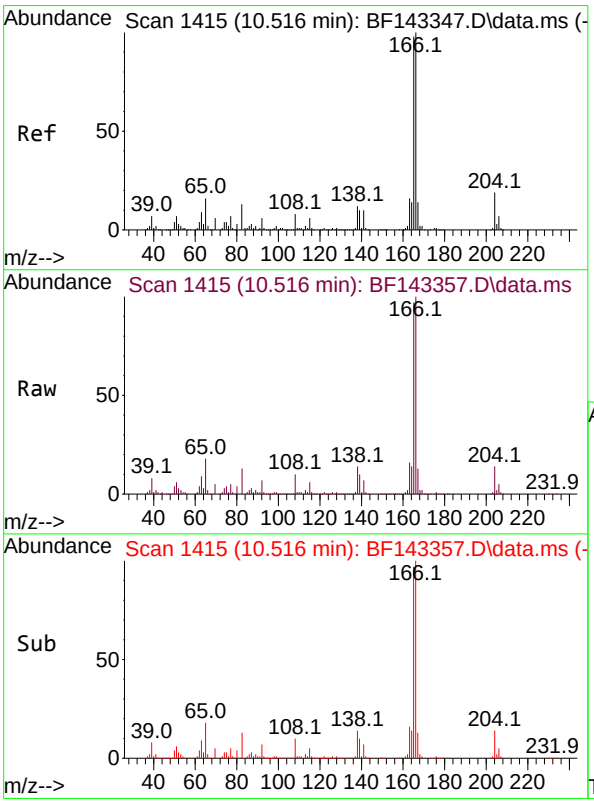
#57
2,4-Dinitrotoluene
Concen: 49.971 ng
RT: 10.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:165 Resp: 218502

Ion	Ratio	Lower	Upper
165	100		
63	50.0	41.8	62.8
89	72.9	62.4	93.6
182	2.7	2.2	3.2

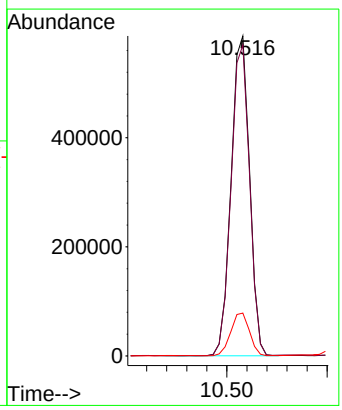


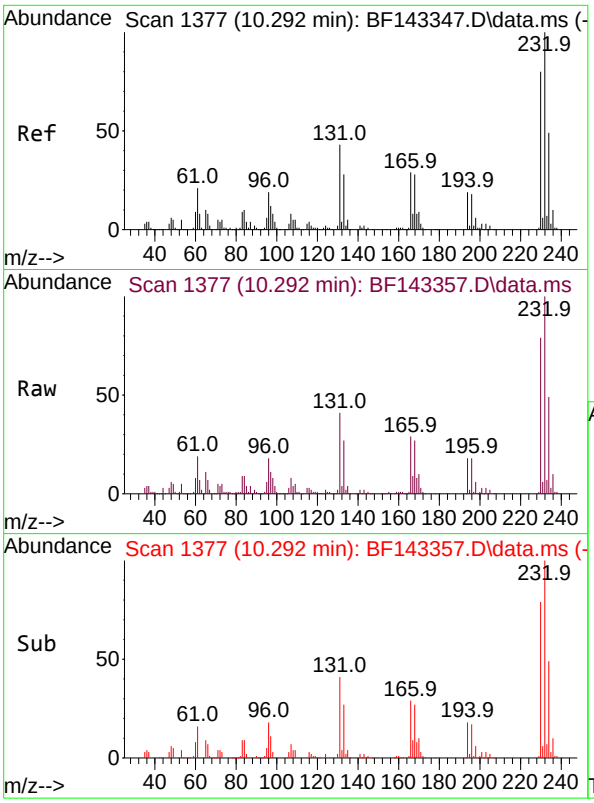


#58
Fluorene
Concen: 42.879 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:166 Resp: 749019

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.2	117.4
167	13.4	10.9	16.3



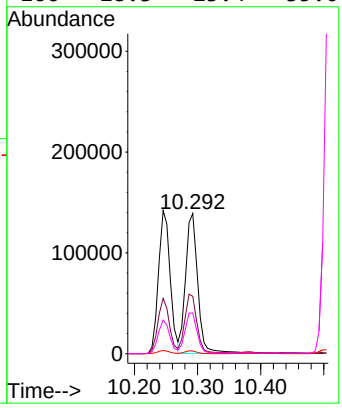


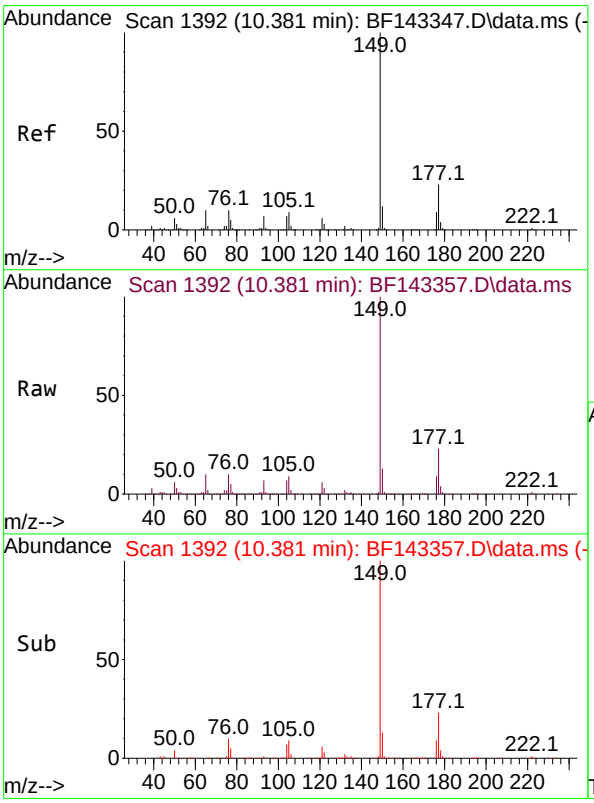
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.141 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:232 Resp: 186678

Ion	Ratio	Lower	Upper
232	100		
131	42.8	34.6	51.8
130	2.1	1.7	2.5
166	28.3	23.4	35.0

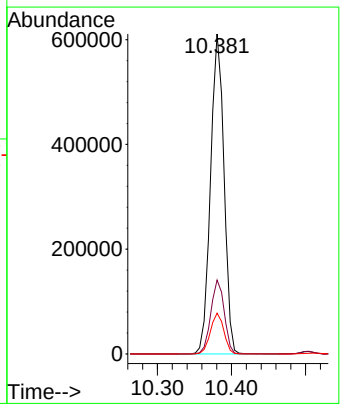


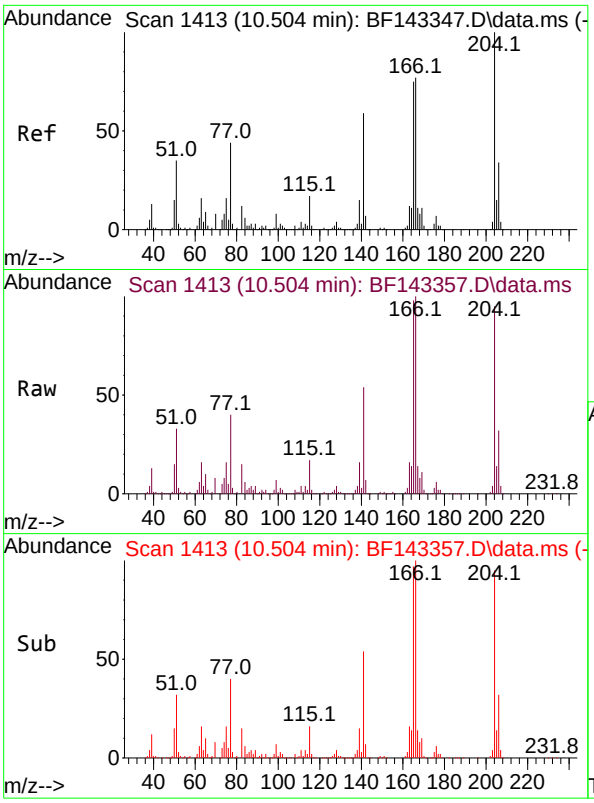


#60
Diethylphthalate
Concen: 49.510 ng
RT: 10.381 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:149 Resp: 770188

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.2
150	12.7	9.9	14.9



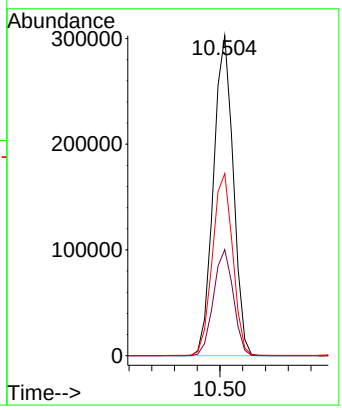


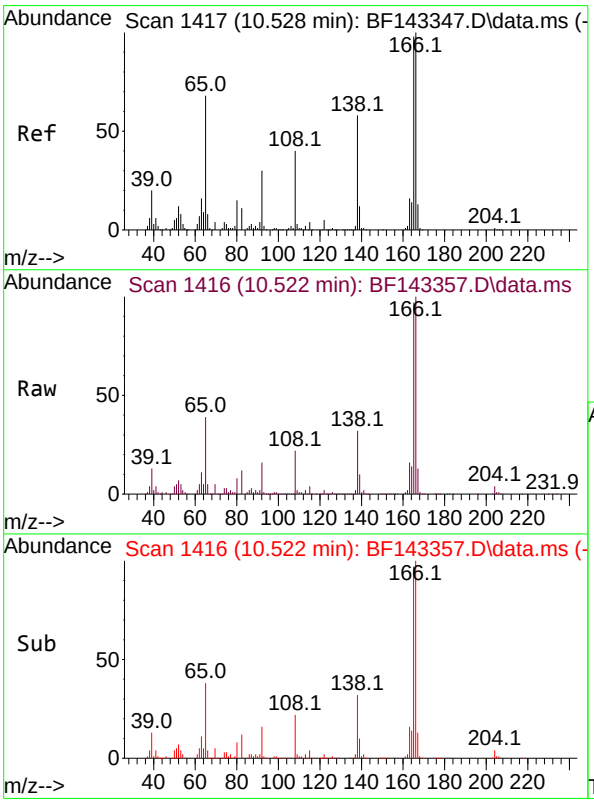
#61
4-Chlorophenyl-phenylether
Concen: 43.314 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:204 Resp: 365590

Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.4	41.2
141	56.9	46.9	70.3

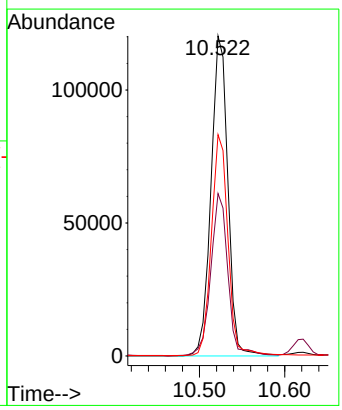


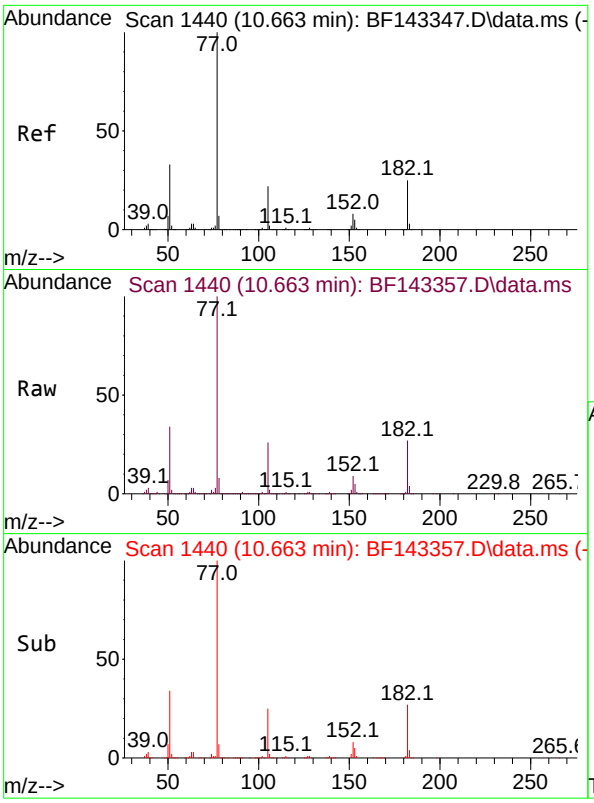


#62
4-Nitroaniline
Concen: 48.034 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:138 Resp: 165289

Ion	Ratio	Lower	Upper
138	100		
92	50.8	31.2	71.2
108	69.2	48.1	88.1



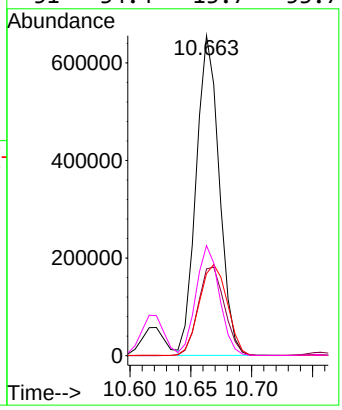


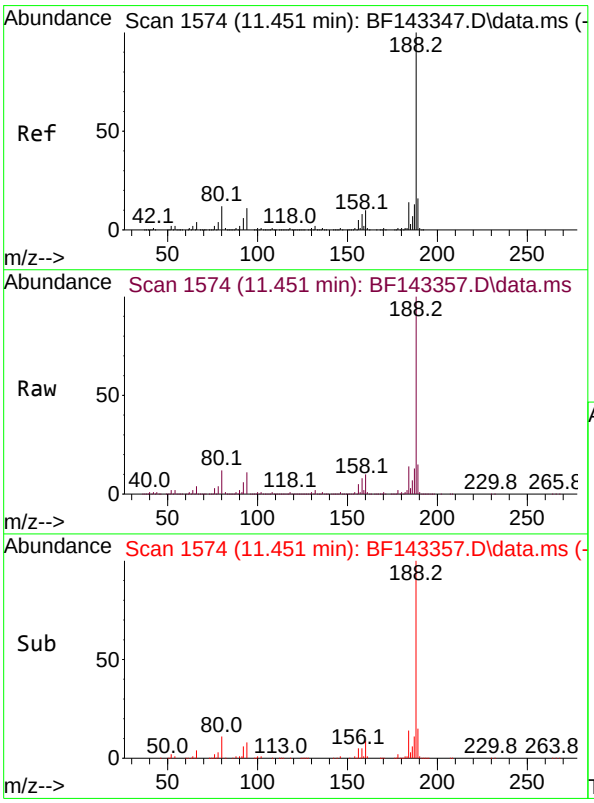
#63
Azobenzene
Concen: 48.662 ng
RT: 10.663 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion: 77 Resp: 864662

Ion	Ratio	Lower	Upper
77	100		
182	27.1	4.4	44.4
105	25.7	1.8	41.8
51	34.4	13.7	53.7

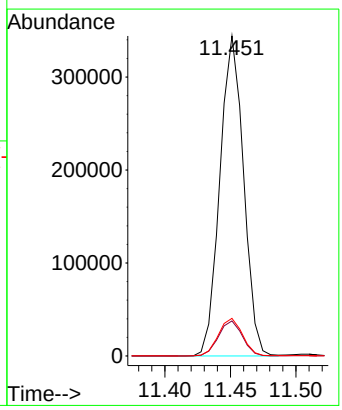


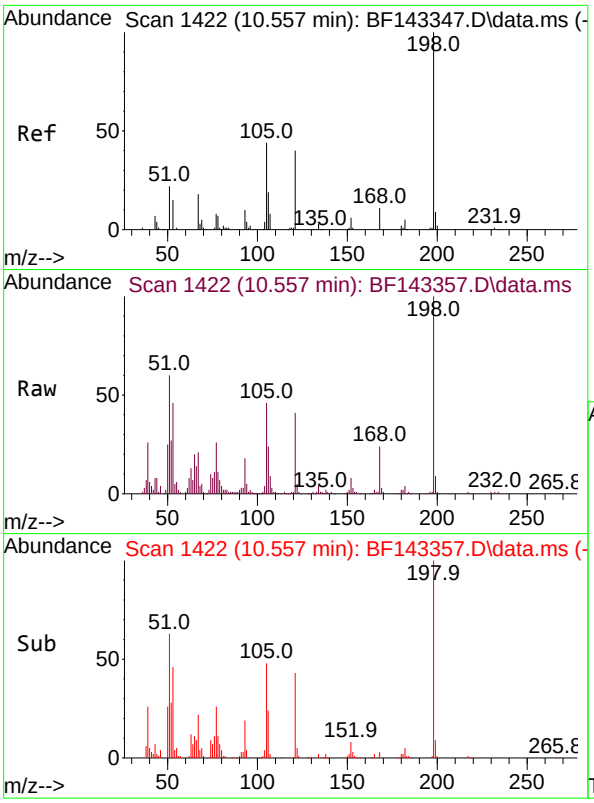


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:188 Resp: 432448

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	11.8	9.7	14.5



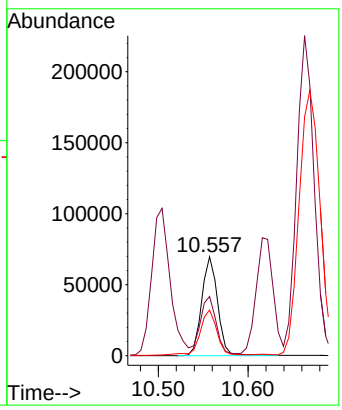


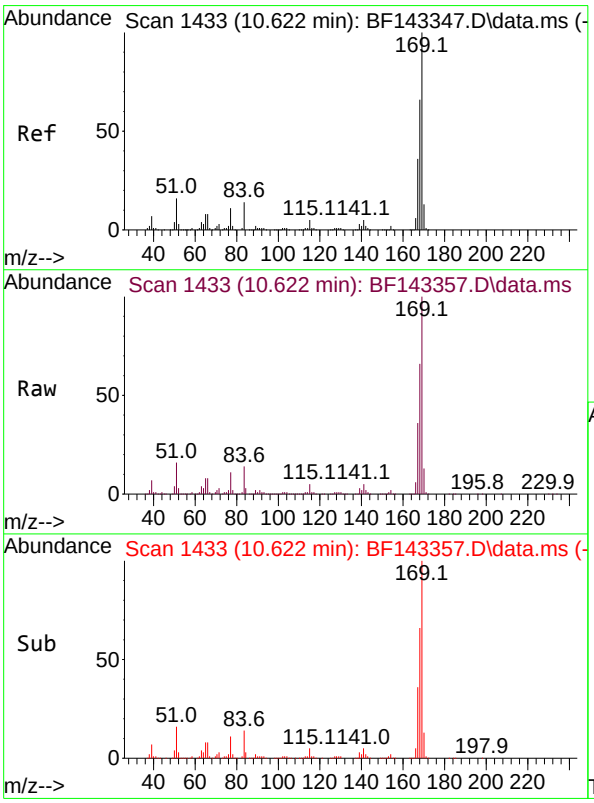
#65
4,6-Dinitro-2-methylphenol
Concen: 48.966 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:198 Resp: 85973

Ion	Ratio	Lower	Upper
198	100		
51	59.8	41.7	81.7
105	46.1	26.8	66.8

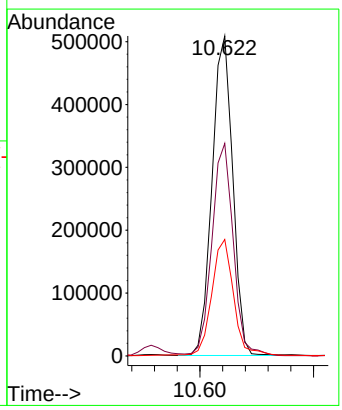


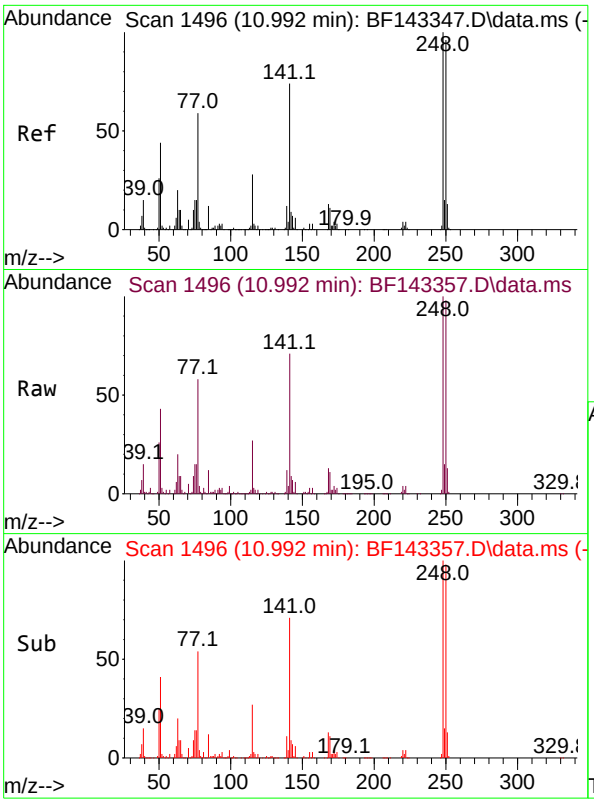


#66
n-Nitrosodiphenylamine
Concen: 45.097 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:169 Resp: 642160

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.7	79.1
167	36.4	28.6	42.8



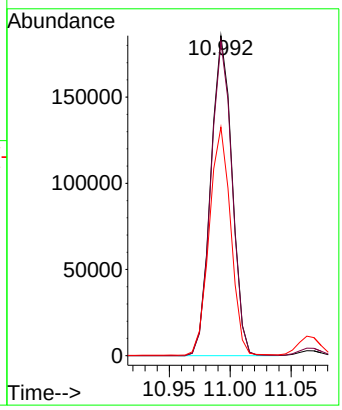


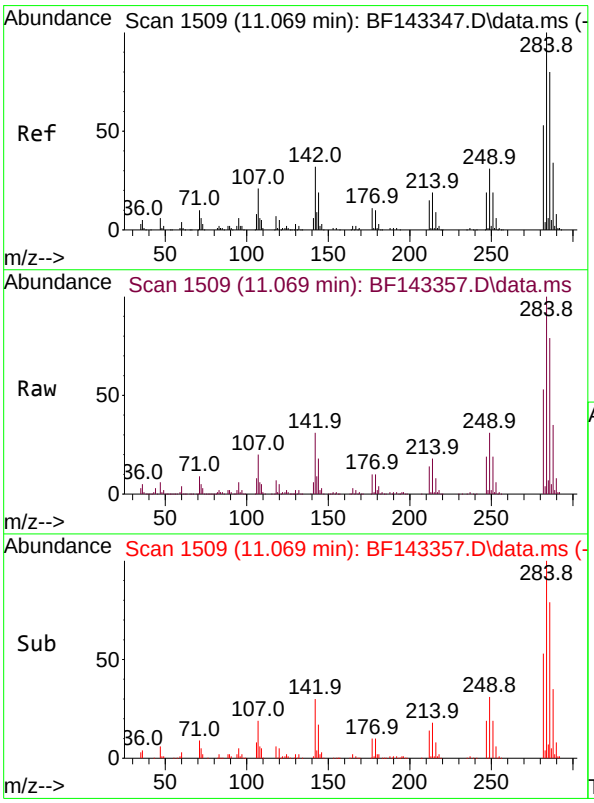
#67
4-Bromophenyl-phenylether
Concen: 45.630 ng
RT: 10.992 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:248 Resp: 225678

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.1	115.7
141	71.4	59.1	88.7

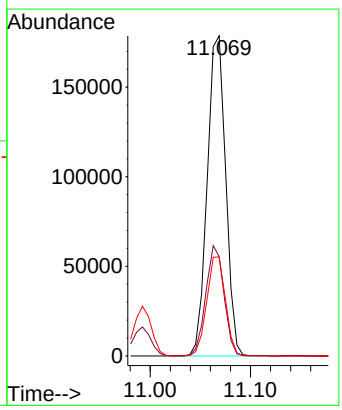


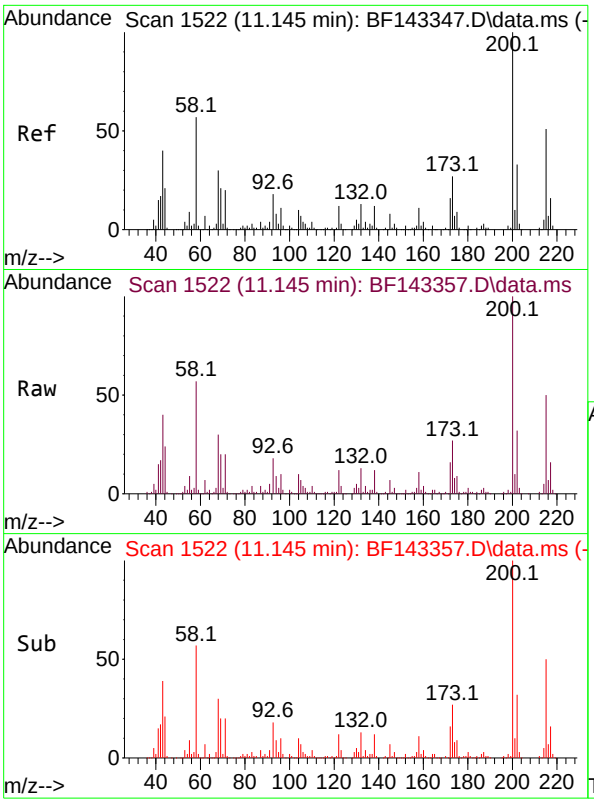


#68
Hexachlorobenzene
Concen: 42.940 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:284 Resp: 228918

Ion	Ratio	Lower	Upper
284	100		
142	31.1	25.7	38.5
249	31.0	24.6	37.0



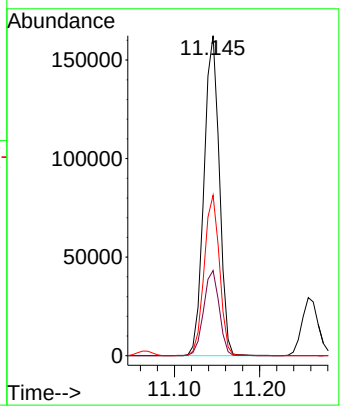


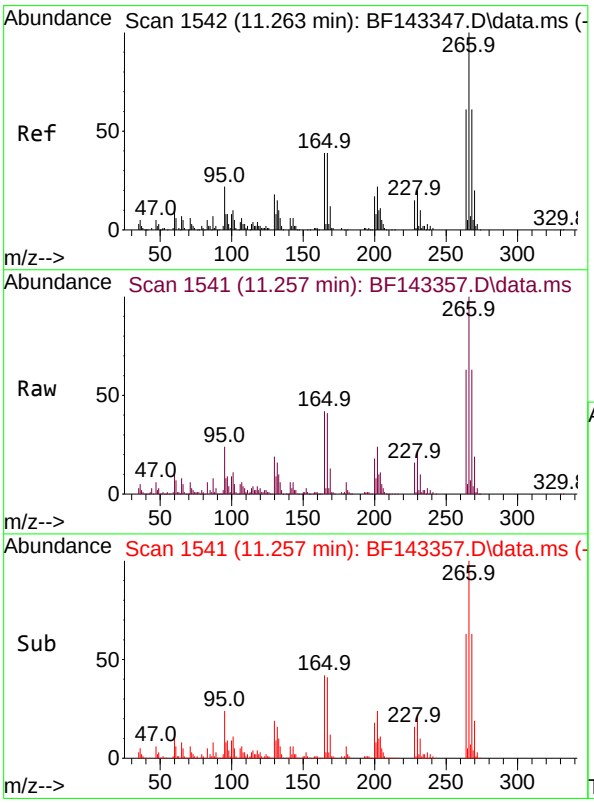
#69
Atrazine
Concen: 54.792 ng
RT: 11.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:200 Resp: 203496

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	50.1	30.6	70.6

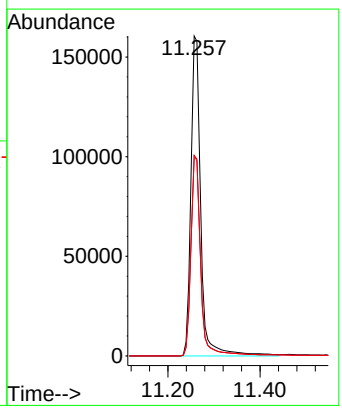


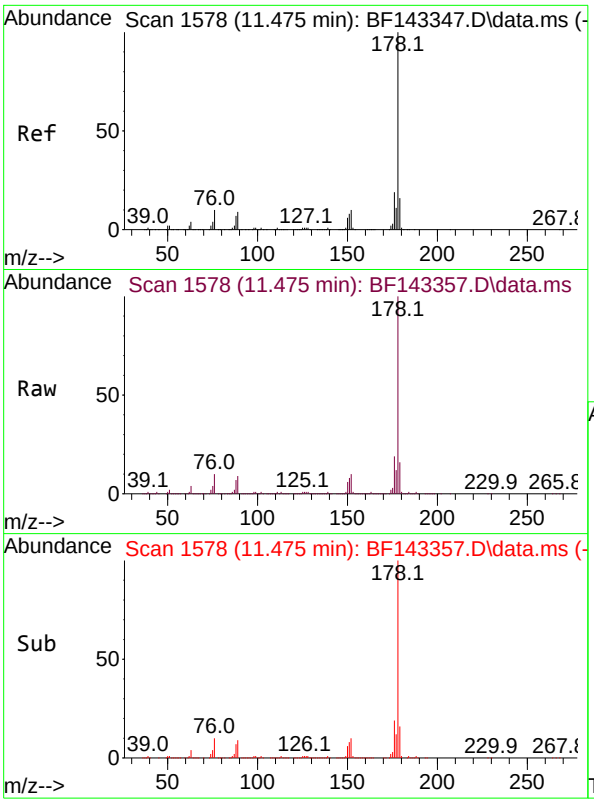


#70
Pentachlorophenol
Concen: 90.453 ng
RT: 11.257 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:266 Resp: 238217

Ion	Ratio	Lower	Upper
266	100		
268	62.6	48.8	73.2
264	62.7	48.8	73.2



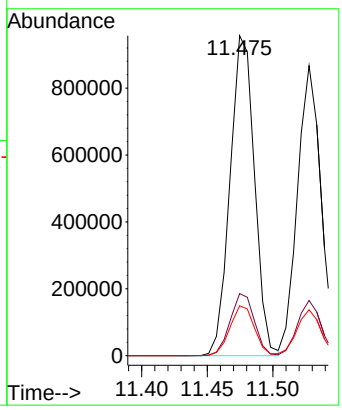


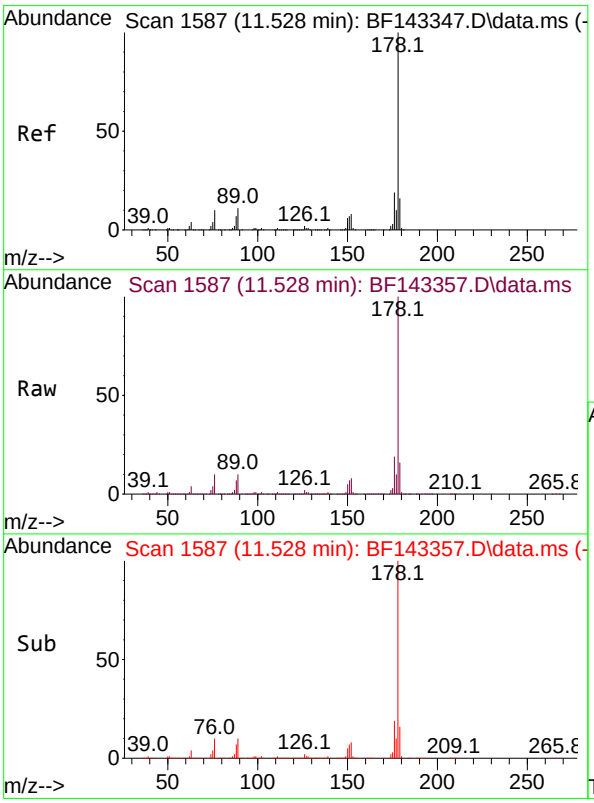
#71
Phenanthrene
Concen: 52.706 ng
RT: 11.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:178 Resp: 1243555

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

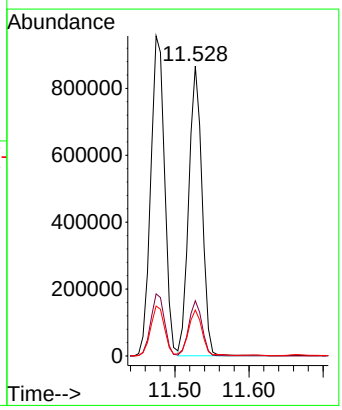


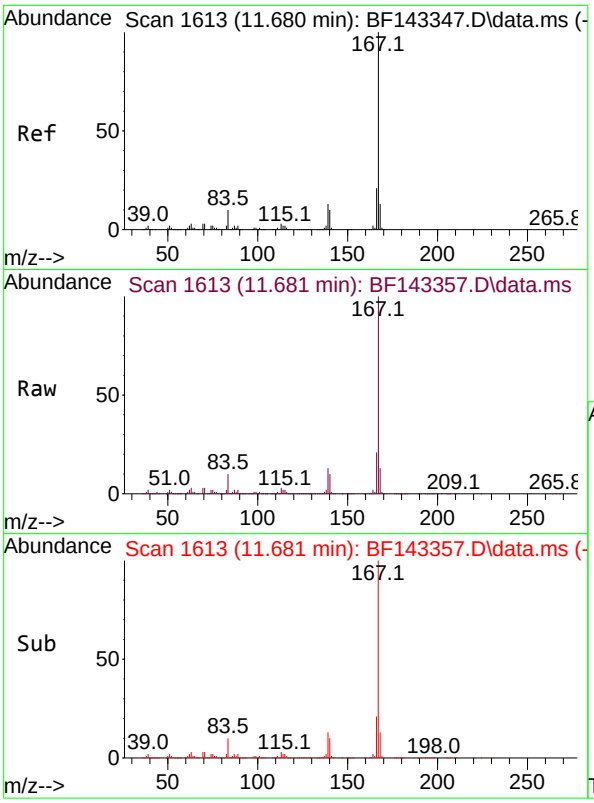


#72
Anthracene
Concen: 44.998 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:178 Resp: 1076705

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.8	12.7	19.1



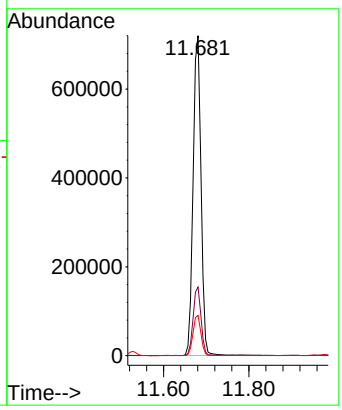


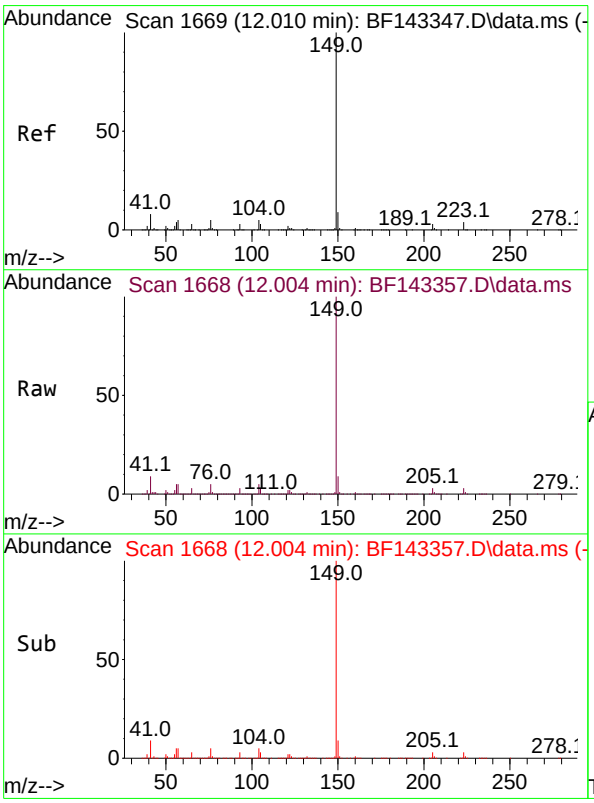
#73
Carbazole
Concen: 45.603 ng
RT: 11.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:167 Resp: 929305

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	12.6	10.2	15.2

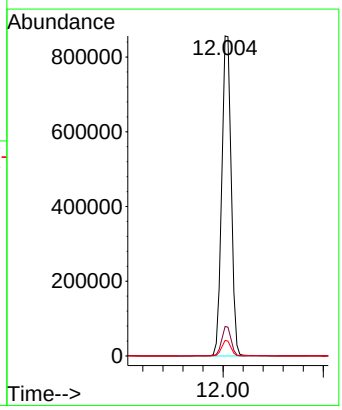


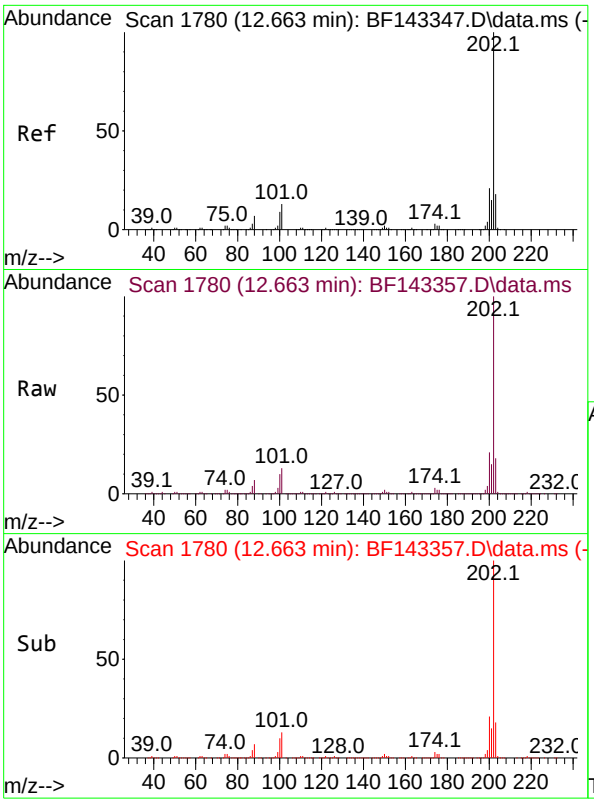


#74
Di-n-butylphthalate
Concen: 65.050 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:149 Resp: 1121739

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.8	5.8



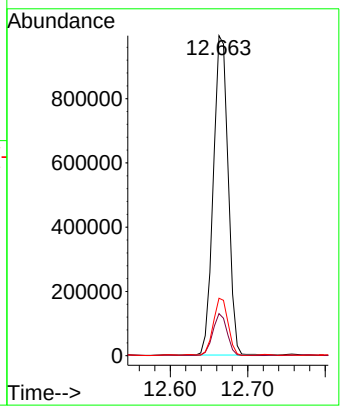


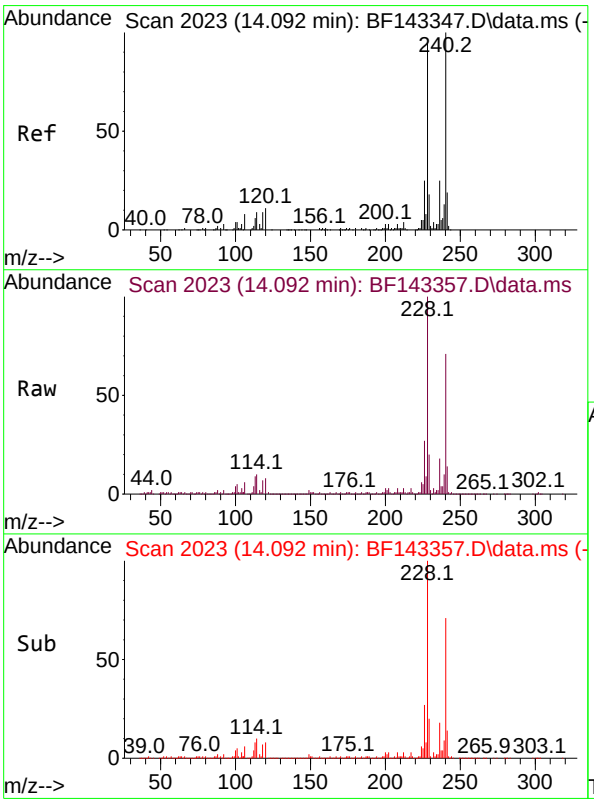
#75
Fluoranthene
Concen: 63.878 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:202 Resp: 1320210

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.9	0.0	37.6

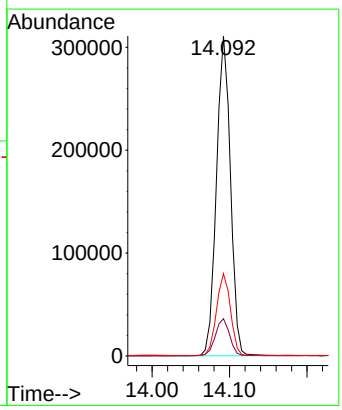


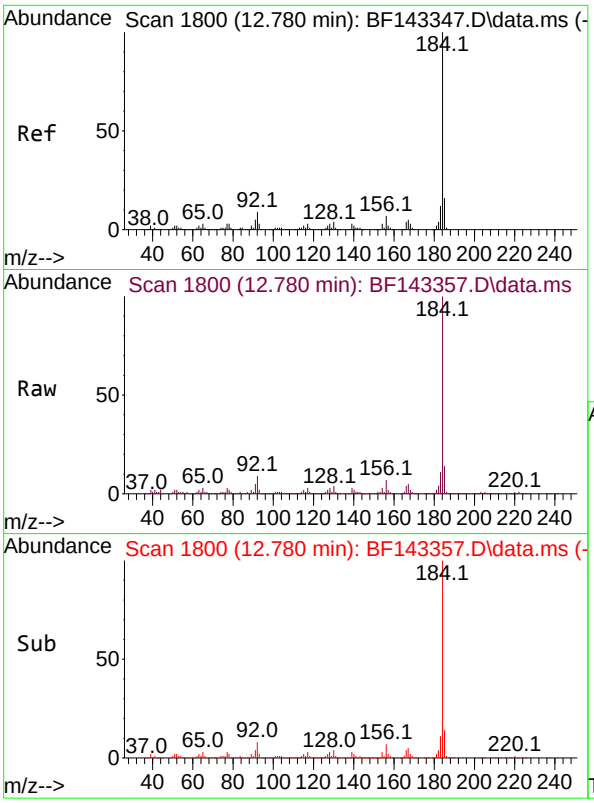


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:240 Resp: 390031

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.6
236	25.7	19.9	29.9



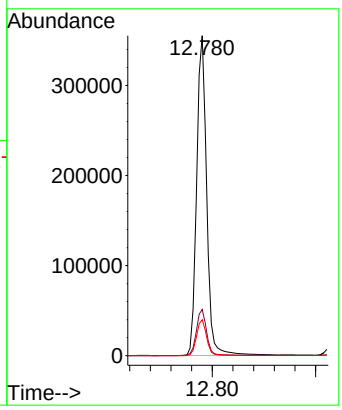


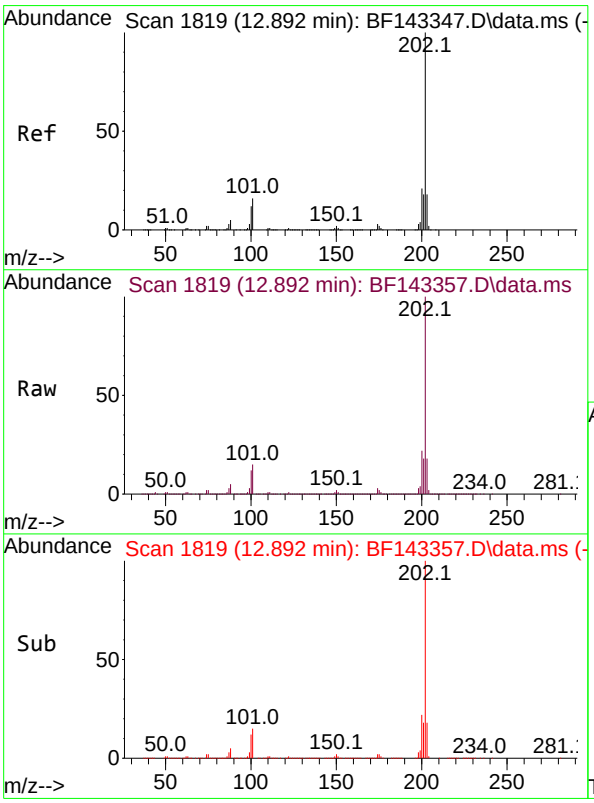
#77
Benzidine
Concen: 44.959 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:184 Resp: 479406

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.8	19.2
183	11.3	9.3	13.9

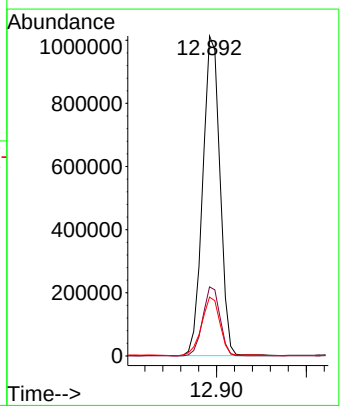


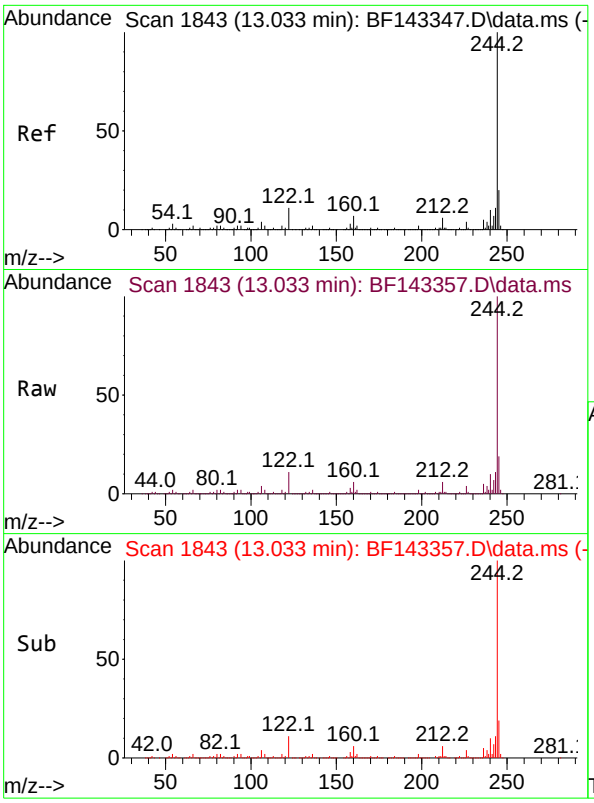


#78
Pyrene
Concen: 41.219 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:202 Resp: 1348664

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.8	25.2
203	18.4	14.2	21.4



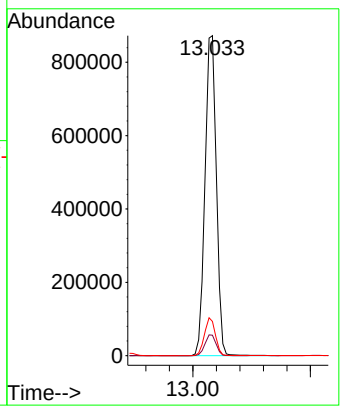


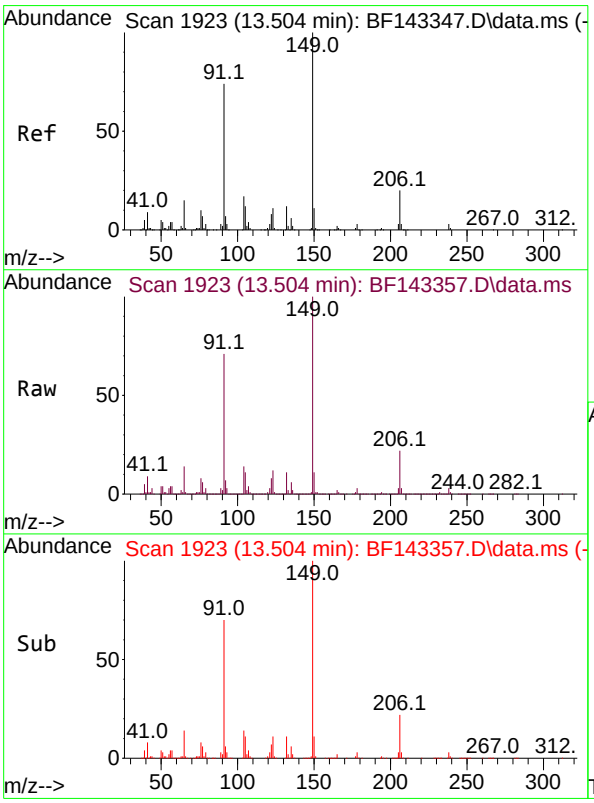
#79
Terphenyl-d14
Concen: 53.338 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:244 Resp: 1165234

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	10.7	8.9	13.3

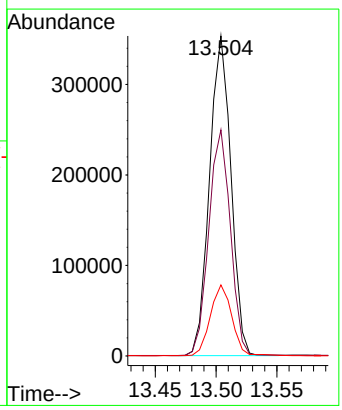


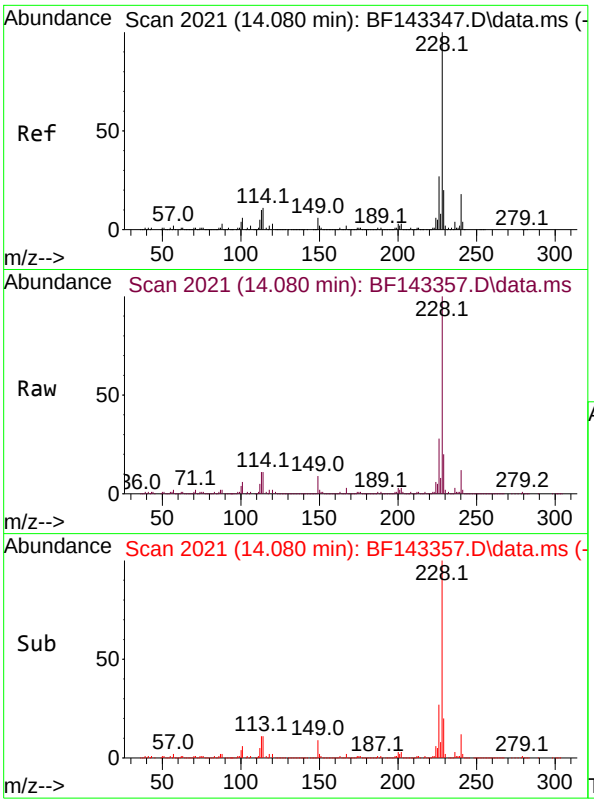


#80
Butylbenzylphthalate
Concen: 65.650 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:149 Resp: 433049

Ion	Ratio	Lower	Upper
149	100		
91	70.6	58.8	88.2
206	22.2	16.4	24.6



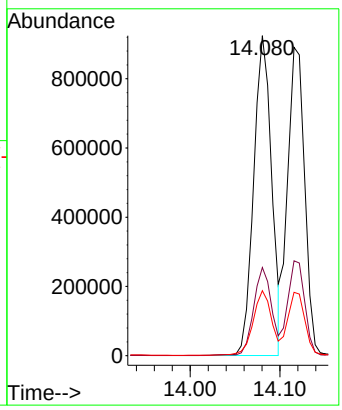


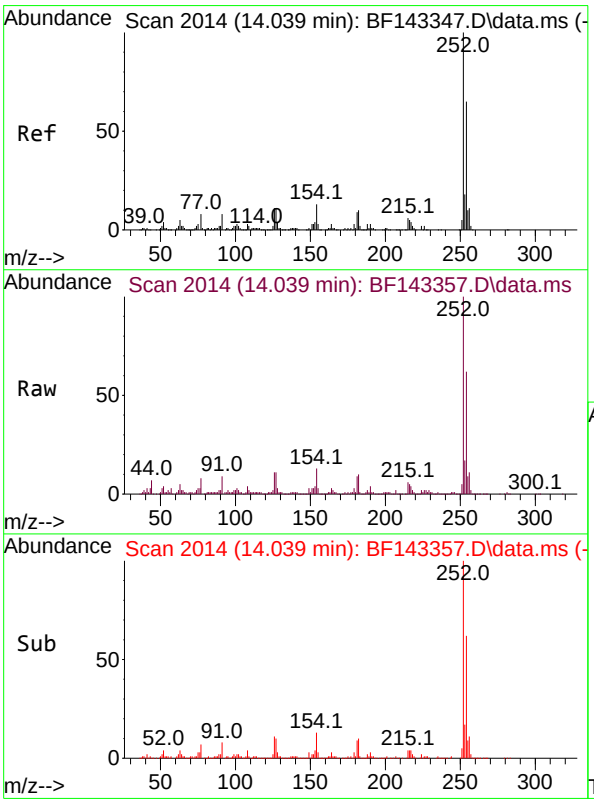
#81
Benzo(a)anthracene
Concen: 51.766 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:228 Resp: 1283275

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	20.3	15.8	23.8

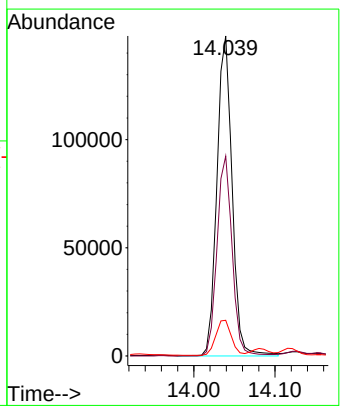


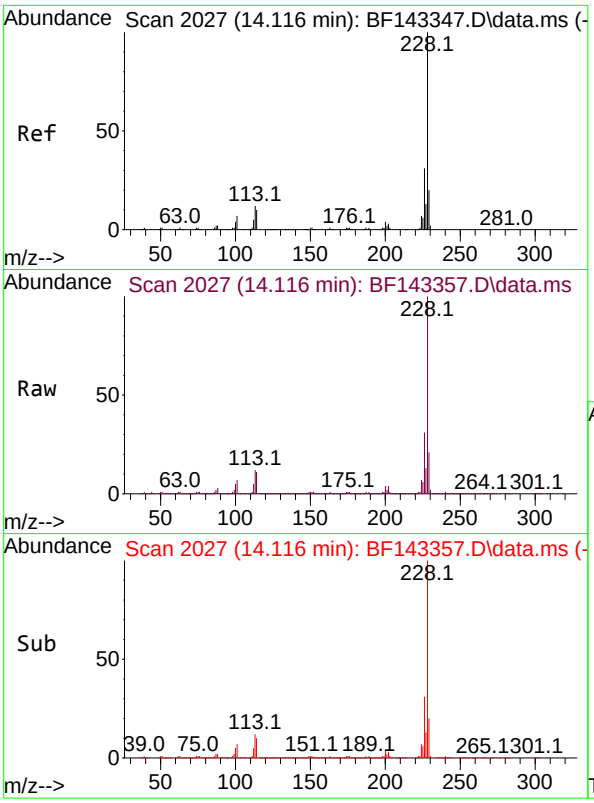


#82
3,3'-Dichlorobenzidine
Concen: 28.848 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:252 Resp: 193103

Ion	Ratio	Lower	Upper
252	100		
254	62.5	51.7	77.5
126	11.1	9.2	13.8



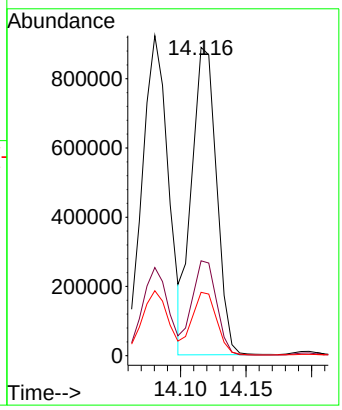


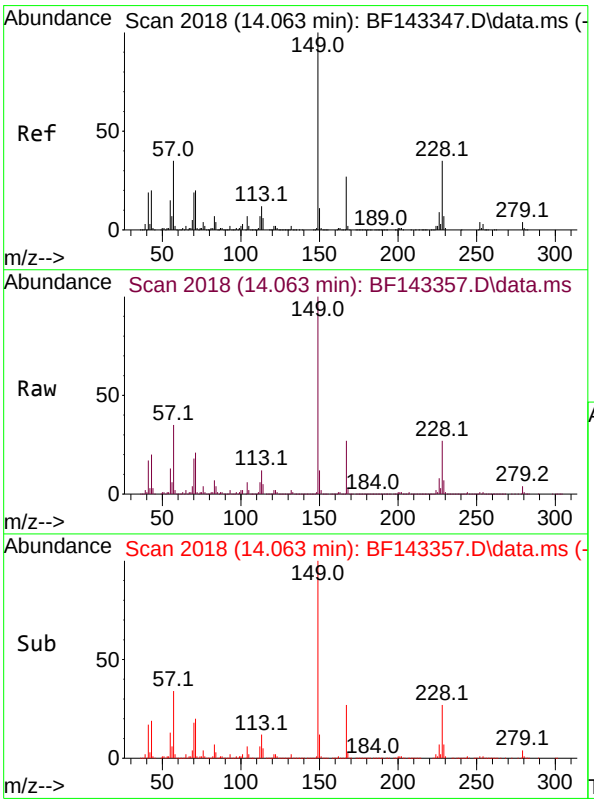
#83
Chrysene
Concen: 50.695 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:228 Resp: 1171839

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.5	15.8	23.6

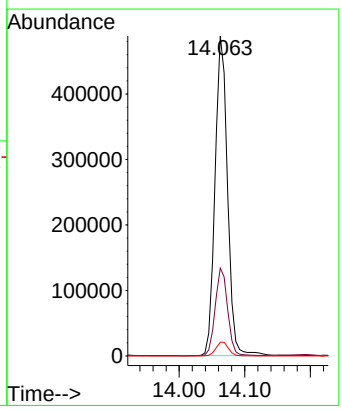


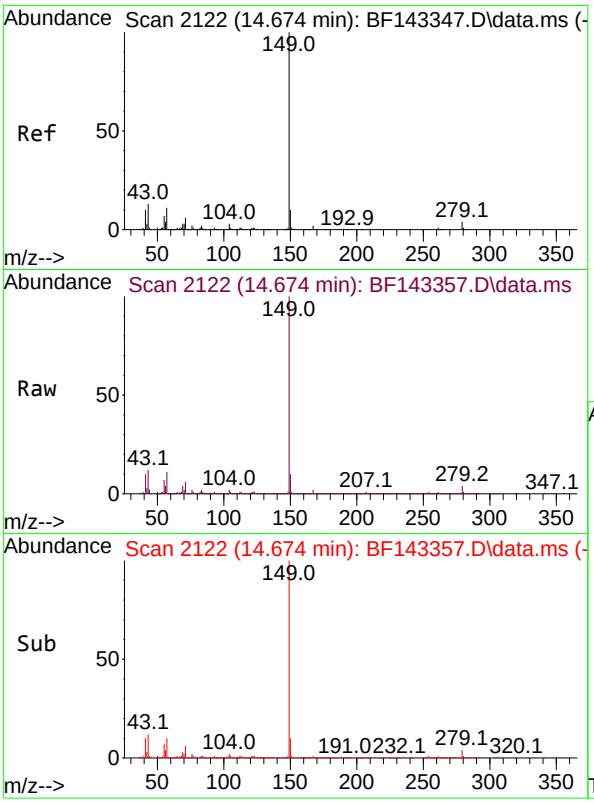


#84
Bis(2-ethylhexyl)phthalate
Concen: 66.227 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:149 Resp: 645569

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.4	32.0
279	4.3	3.2	4.8



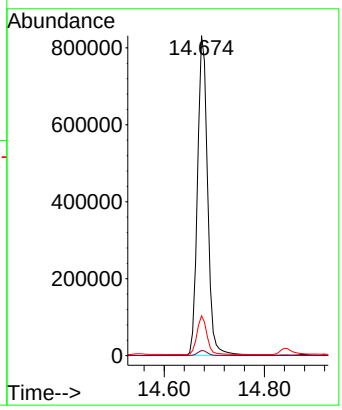


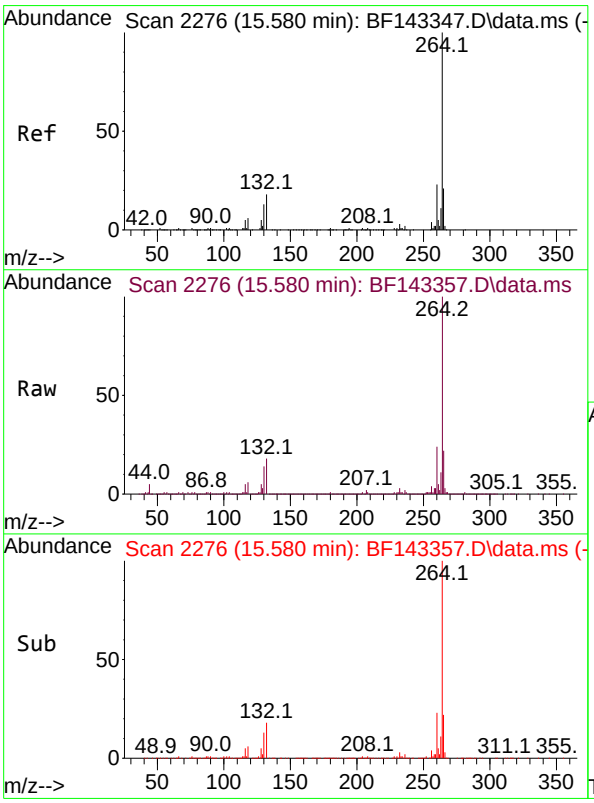
#85
Di-n-octyl phthalate
Concen: 59.598 ng
RT: 14.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:149 Resp: 1160032

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.0	10.8	16.2

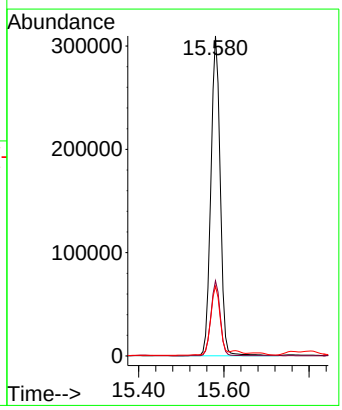


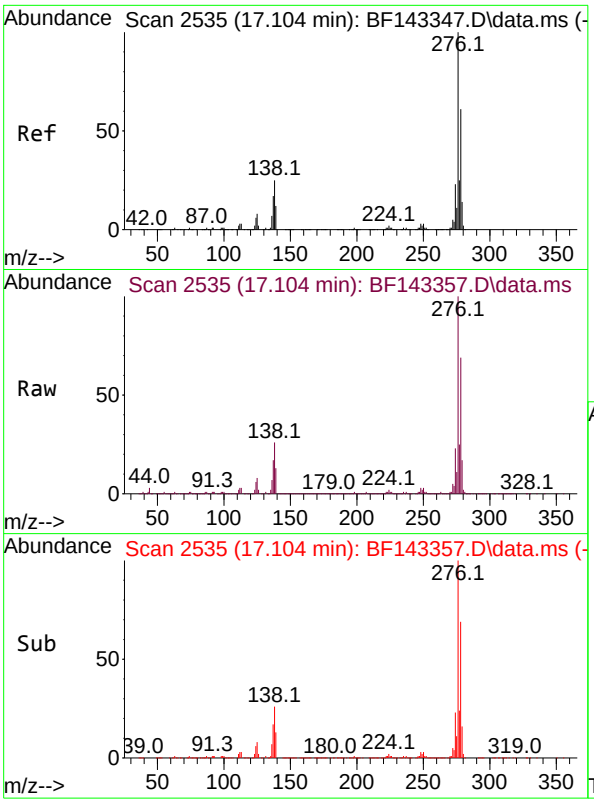


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:264 Resp: 473134

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.8	17.2	25.8



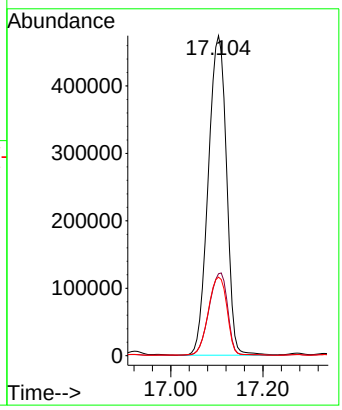


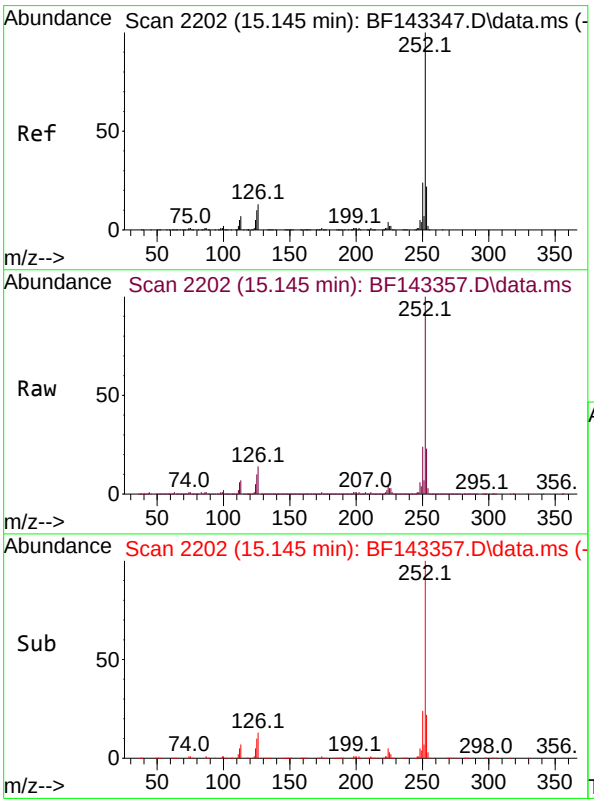
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.478 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:276 Resp: 1304300

Ion	Ratio	Lower	Upper
276	100		
138	26.1	21.1	31.7
277	25.1	20.2	30.2

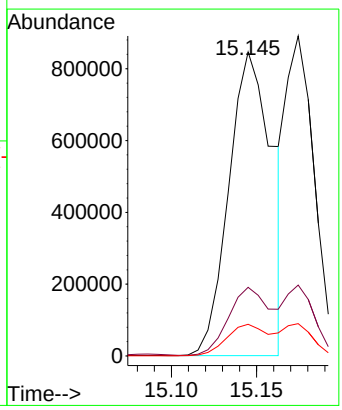


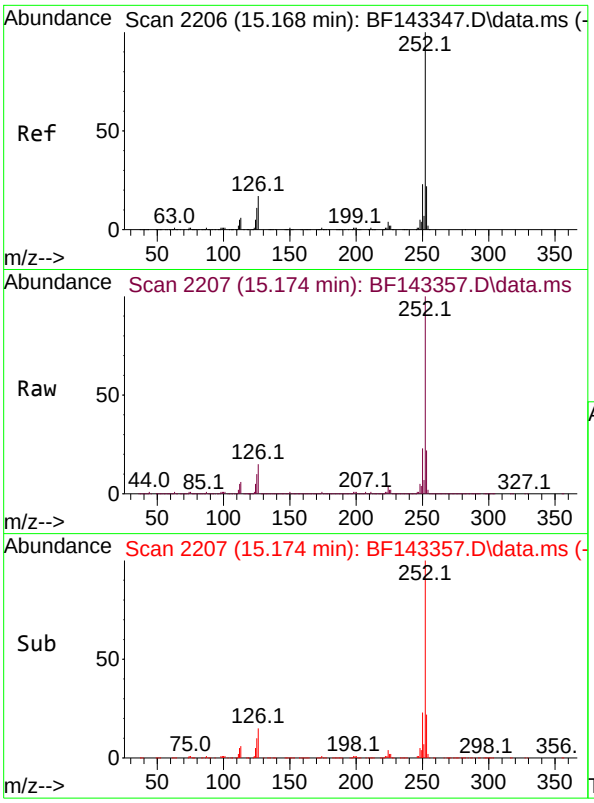


#88
Benzo(b)fluoranthene
Concen: 57.766 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:252 Resp: 1494896

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	10.4	7.8	11.6



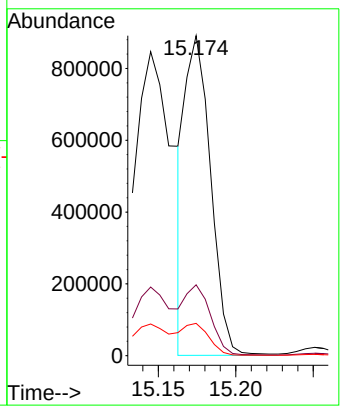


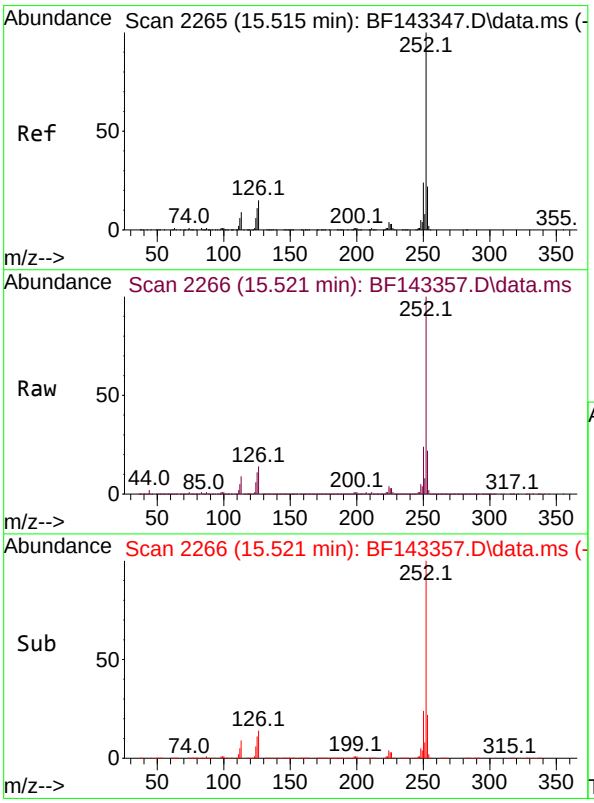
#89
Benzo(k)fluoranthene
Concen: 40.838 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:252 Resp: 1026897

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.1	8.4	12.6

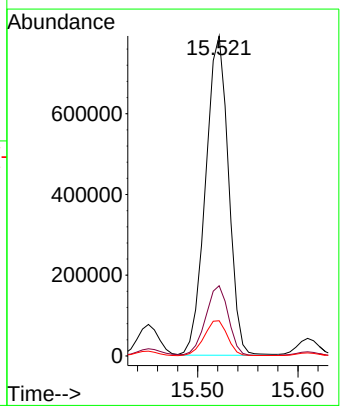


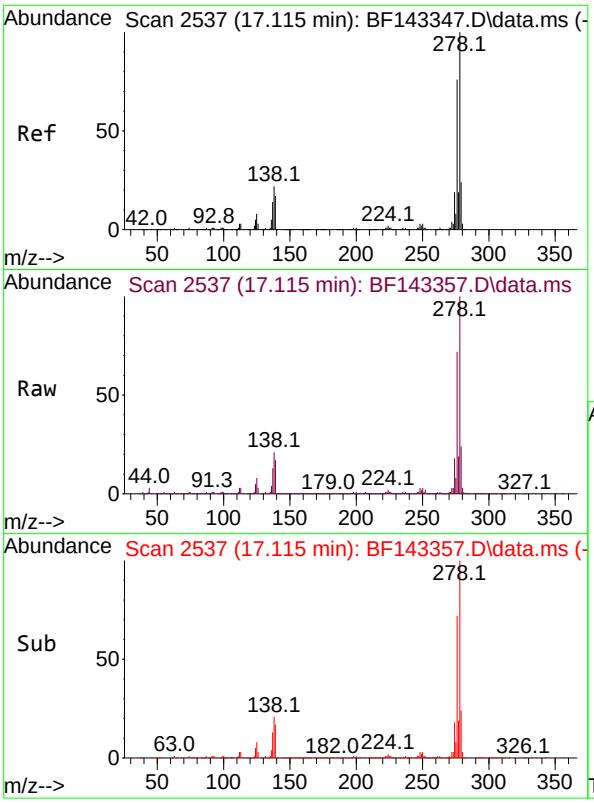


#90
Benzo(a)pyrene
Concen: 51.632 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:252 Resp: 1258435

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.0	9.1	13.7



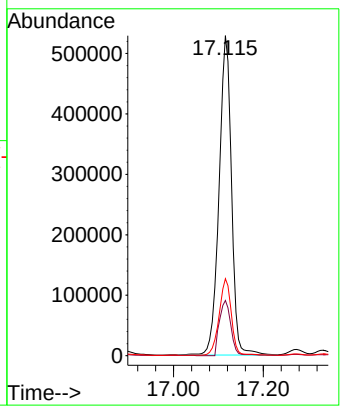


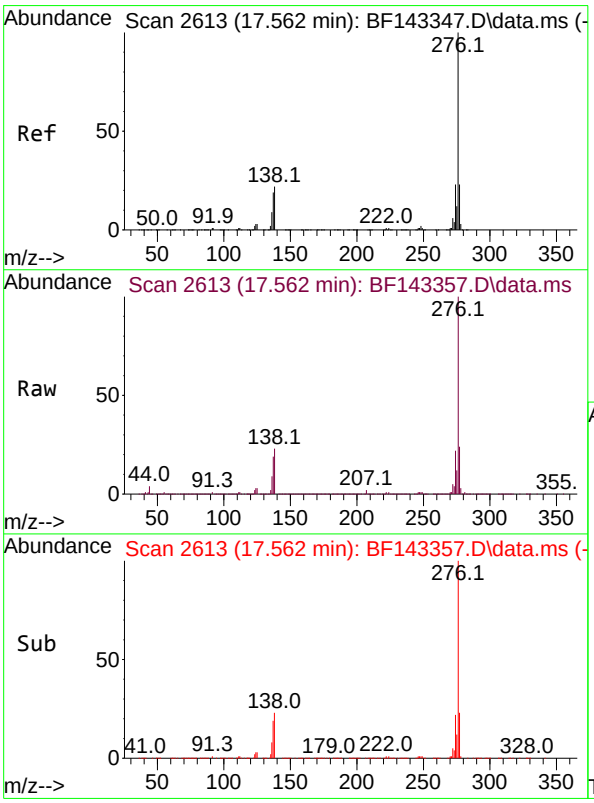
#91
Dibenzo(a,h)anthracene
Concen: 37.726 ng
RT: 17.115 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Instrument :
BNA_F
ClientSampleId :
COMP-6MS

Tgt Ion:278 Resp: 1021632

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.0	21.0
279	24.1	19.4	29.0

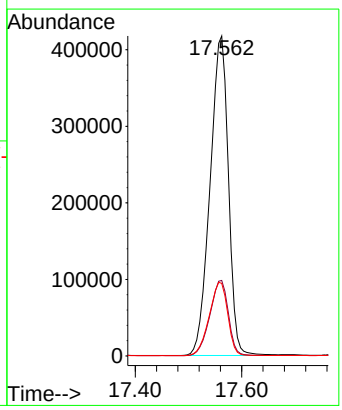




#92
Benzo(g,h,i)perylene
Concen: 36.575 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.000 min
Lab File: BF143357.D
Acq: 12 Aug 2025 17:02

Tgt Ion:276 Resp: 997763

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	22.7	17.8	26.8



Raw Data: **BF143358.D**

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-6MSD	SDG No.:	Q2807
Lab Sample ID:	Q2807-03MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143358.D	1	08/11/25 09:32	08/12/25 17:32	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		27.1	200	ug/Kg
86-73-7	Fluorene	1700		30.2	200	ug/Kg
85-01-8	Phenanthrene	2100		24.9	200	ug/Kg
120-12-7	Anthracene	1800		39.7	200	ug/Kg
129-00-0	Pyrene	1800		43.0	200	ug/Kg
56-55-3	Benzo(a)anthracene	2100		27.4	200	ug/Kg
218-01-9	Chrysene	2100		23.7	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		22.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	2100		35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		34.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		30.7	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	71.1		18 - 107	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.5		20 - 109	65%	SPK: 100
1718-51-0	Terphenyl-d14	59.1		10 - 105	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	183000	6.928			
1146-65-2	Naphthalene-d8	692000	8.21			
15067-26-2	Acenaphthene-d10	367000	9.969			
1517-22-2	Phenanthrene-d10	555000	11.451			
1719-03-5	Chrysene-d12	416000	14.092			
1520-96-3	Perylene-d12	485000	15.58			

Raw Data: **BF143358.D**

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	08/07/25
Project:	Girard School - PA			Date Received:	08/08/25
Client Sample ID:	COMP-6MSD			SDG No.:	Q2807
Lab Sample ID:	Q2807-03MSD			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	83.6
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143358.D	1	08/11/25 09:32	08/12/25 17:32	PB169189

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF143358.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143358.D
Acq On : 12 Aug 2025 17:32
Operator : RC/JU
Sample : Q2807-03MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 12 17:50:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
08/13/2025
Supervised By :Jagrut Upadhyay
08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	182920	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	692344	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	366844	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	555468	20.000	ng	0.00
76) Chrysene-d12	14.092	240	416428	20.000	ng	0.00
86) Perylene-d12	15.580	264	485253	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	951420	89.944	ng	0.00
7) Phenol-d6	6.563	99	1248982	92.075	ng	0.00
23) Nitrobenzene-d5	7.487	82	790054	71.062	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	321880	120.061	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1396151	64.538	ng	0.00
79) Terphenyl-d14	13.033	244	1378469	59.099	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	202404	36.978	ng	98
3) Pyridine	3.575	79	536938	36.812	ng	99
4) n-Nitrosodimethylamine	3.516	42	293233	43.157	ng	99
6) Aniline	6.593	93	508673	26.599	ng	94
8) 2-Chlorophenol	6.716	128	493385	43.651	ng	98
9) Benzaldehyde	6.481	77	290056	32.352	ng	99
10) Phenol	6.575	94	645482	40.168	ng	99
11) bis(2-Chloroethyl)ether	6.663	93	497248	41.985	ng	99
12) 1,3-Dichlorobenzene	6.875	146	538159	41.279	ng	99
13) 1,4-Dichlorobenzene	6.945	146	541866	41.412	ng	99
14) 1,2-Dichlorobenzene	7.098	146	522581	42.073	ng	99
15) Benzyl Alcohol	7.069	79	443671	45.629	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	912551	43.159	ng	96
17) 2-Methylphenol	7.181	107	407230	42.682	ng	100
18) Hexachloroethane	7.445	117	185892	45.314	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	361867	43.173	ng	100
20) 3+4-Methylphenols	7.334	107	481391	41.720	ng	97
22) Acetophenone	7.334	105	648720	42.526	ng	98
24) Nitrobenzene	7.504	77	536939	44.469	ng	99
25) Isophorone	7.745	82	1009801	44.492	ng	99
26) 2-Nitrophenol	7.822	139	251416	51.659	ng	99
27) 2,4-Dimethylphenol	7.863	122	458791	48.453	ng	100
28) bis(2-Chloroethoxy)met...	7.951	93	624694	45.081	ng	100
29) 2,4-Dichlorophenol	8.069	162	419655	45.376	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	439410	45.042	ng	99
31) Naphthalene	8.234	128	1380617	41.442	ng	100
32) Benzoic acid	7.981	122	235729	54.727	ng	96
33) 4-Chloroaniline	8.275	127	179093	14.905	ng	99
34) Hexachlorobutadiene	8.351	225	266834	43.970	ng	100
35) Caprolactam	8.645	113	137569m	52.913	ng	
36) 4-Chloro-3-methylphenol	8.763	107	439471	45.328	ng	99
37) 2-Methylnaphthalene	8.922	142	854428	39.012	ng	99
38) 1-Methylnaphthalene	9.022	142	886647	42.034	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	430702	42.905	ng	99
41) Hexachlorocyclopentadiene	9.081	237	414114	113.888	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	289029	50.746	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
Data File : BF143358.D
Acq On : 12 Aug 2025 17:32
Operator : RC/JU
Sample : Q2807-03MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 12 17:50:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

08/13/2025

Supervised By :Jagrut Upadhyay

08/13/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	307429	47.798	ng	99
46) 1,1'-Biphenyl	9.386	154	1139727	43.941	ng	100
47) 2-Chloronaphthalene	9.410	162	873358	42.753	ng	99
48) 2-Nitroaniline	9.504	65	284883	48.333	ng	99
49) Acenaphthylene	9.828	152	1424103	48.274	ng	100
50) Dimethylphthalate	9.686	163	1048412	48.911	ng	100
51) 2,6-Dinitrotoluene	9.745	165	225939	55.227	ng	93
52) Acenaphthene	9.998	154	906682	46.230	ng	100
53) 3-Nitroaniline	9.910	138	145648	33.179	ng	99
54) 2,4-Dinitrophenol	10.022	184	160114	88.430	ng	88
55) Dibenzofuran	10.175	168	1234339	43.730	ng	100
56) 4-Nitrophenol	10.081	139	309159	87.566	ng	97
57) 2,4-Dinitrotoluene	10.151	165	293766	54.165	ng	93
58) Fluorene	10.516	166	942278	43.705	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.292	232	248104	57.223	ng	98
60) Diethylphthalate	10.386	149	999890	52.077	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	465365	44.671	ng	98
62) 4-Nitroaniline	10.528	138	216183	50.901	ng	98
63) Azobenzene	10.663	77	1132778	51.653	ng	97
65) 4,6-Dinitro-2-methylph...	10.563	198	123428	53.875	ng	92
66) n-Nitrosodiphenylamine	10.622	169	839356	45.891	ng	100
67) 4-Bromophenyl-phenylether	10.992	248	296026	46.598	ng	99
68) Hexachlorobenzene	11.069	284	302252	44.139	ng	99
69) Atrazine	11.145	200	270600	56.724	ng	99
70) Pentachlorophenol	11.263	266	314047	92.681	ng	97
71) Phenanthrene	11.480	178	1562552	51.559	ng	99
72) Anthracene	11.527	178	1399057	45.520	ng	100
73) Carbazole	11.680	167	1164859	44.502	ng	99
74) Di-n-butylphthalate	12.010	149	1466852	66.224	ng	100
75) Fluoranthene	12.669	202	1596667	60.145	ng	99
77) Benzidine	12.780	184	502788	44.163	ng	99
78) Pyrene	12.898	202	1594136	45.632	ng	99
80) Butylbenzylphthalate	13.504	149	508159	71.821	ng	99
81) Benzo(a)anthracene	14.080	228	1366635	51.634	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	179105	25.060	ng	99
83) Chrysene	14.121	228	1273528	51.602	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	753262	72.006	ng	99
85) Di-n-octyl phthalate	14.674	149	1290695	61.853	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	1392678	40.060	ng	100
88) Benzo(b)fluoranthene	15.145	252	1535888	57.868	ng	99
89) Benzo(k)fluoranthene	15.174	252	1122098	43.509	ng	99
90) Benzo(a)pyrene	15.521	252	1321279	52.856	ng	100
91) Dibenzo(a,h)anthracene	17.121	278	1084994	39.066	ng	99
92) Benzo(g,h,i)perylene	17.562	276	1052897	37.632	ng	99

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

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Data File : BF143358.D
Acq On : 12 Aug 2025 17:32
Operator : RC/JU
Sample : Q2807-03MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 12 17:50:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

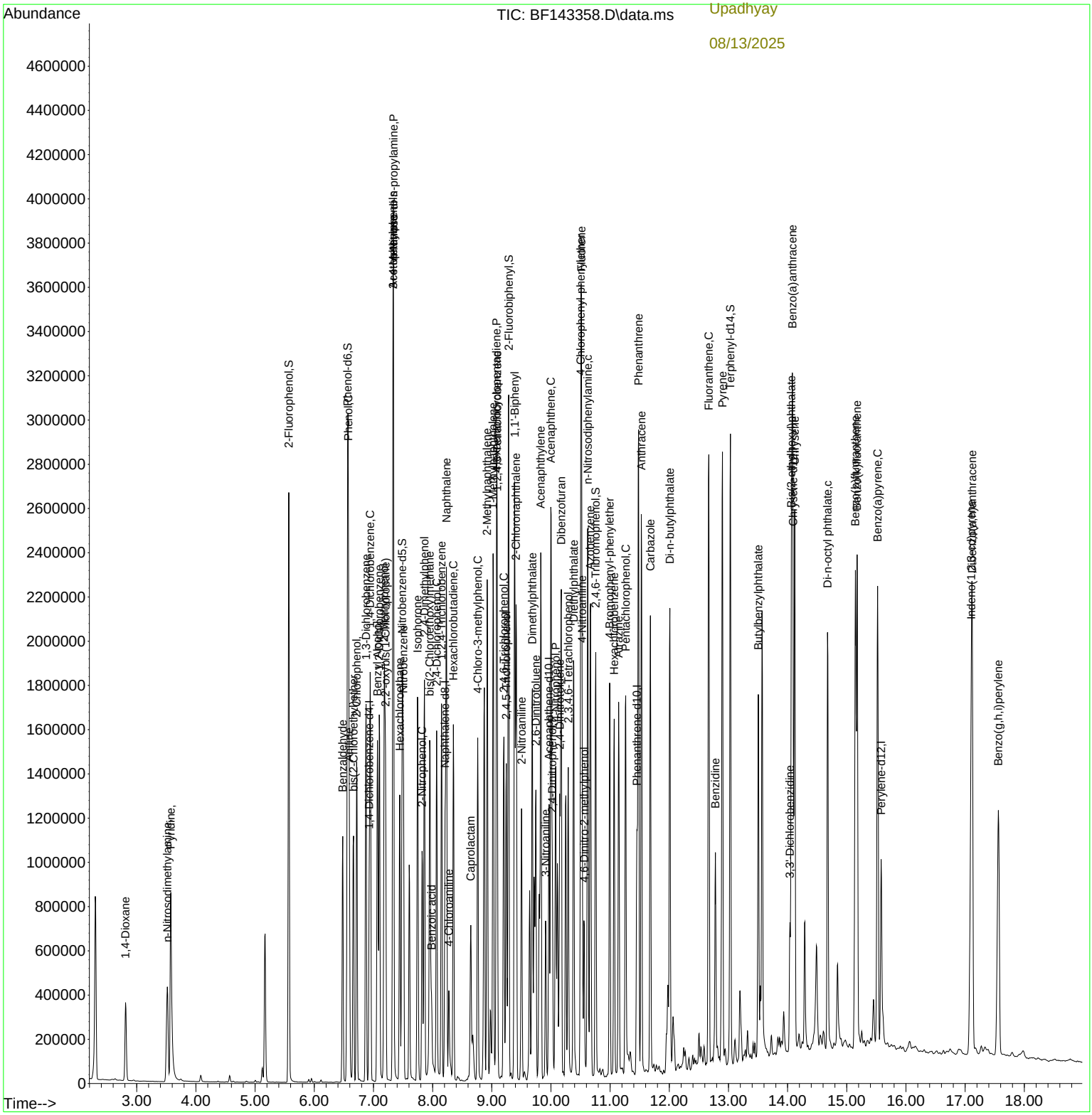
Manual Integrations APPROVED

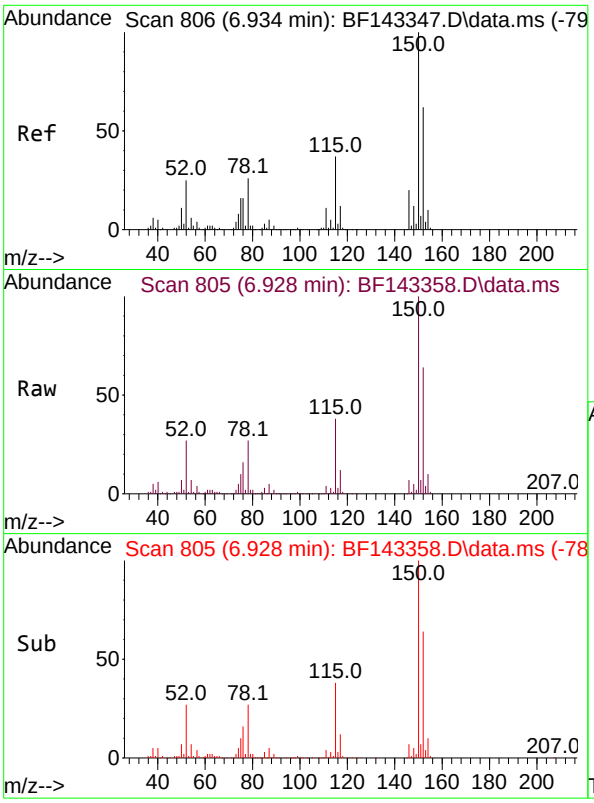
Reviewed By :Rahul Chavli

08/13/2025

Supervised By :Jagrut Upadhyay

08/13/2025

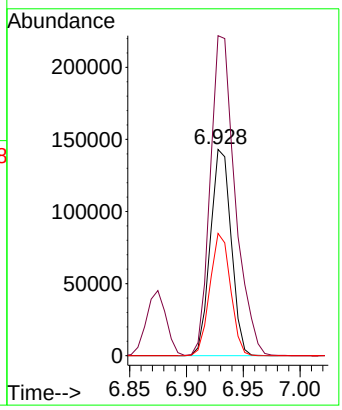




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:152 Resp: 18292

Ion	Ratio	Lower	Upper
152	100		
150	155.1	129.8	194.8
115	59.2	47.8	71.8



Instrument :
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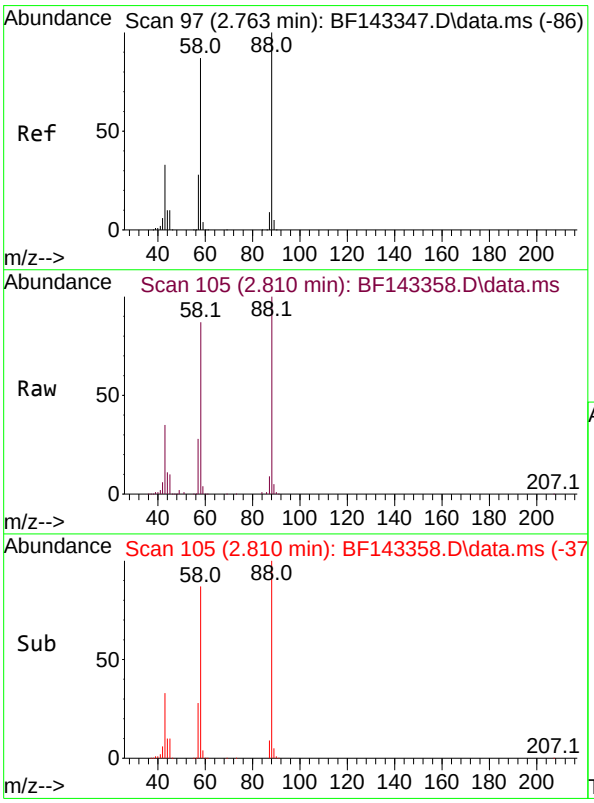
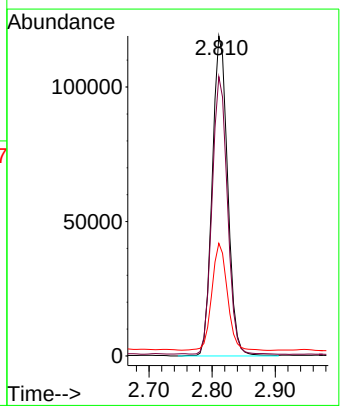
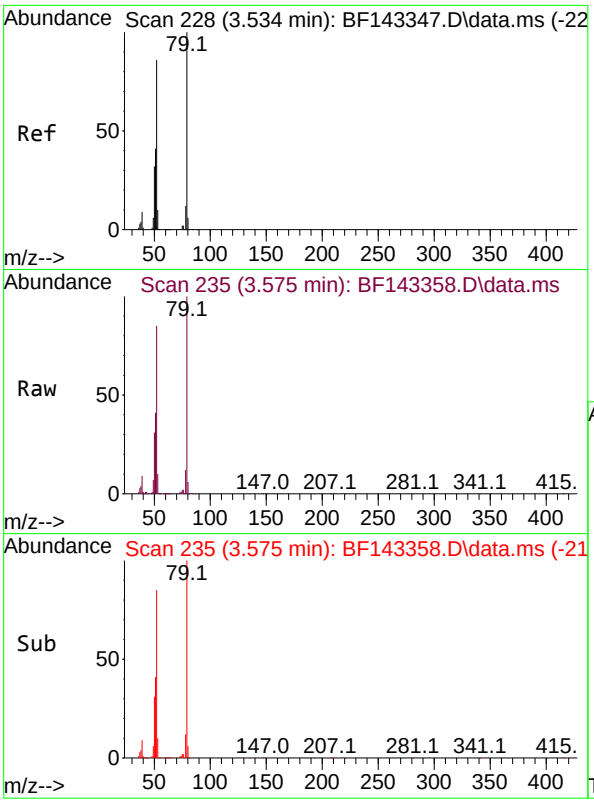


#2
1,4-Dioxane
Concen: 36.978 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.047 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 88 Resp: 202404

Ion	Ratio	Lower	Upper
88	100		
58	86.3	71.0	106.6
43	33.4	27.0	40.6

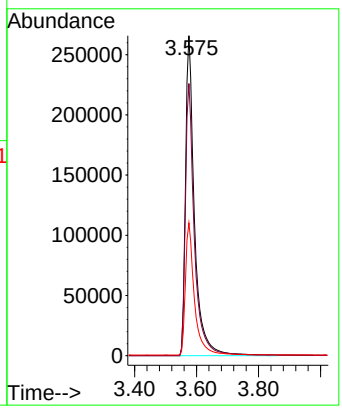




#3
Pyridine
Concen: 36.812 ng
RT: 3.575 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 79 Resp: 53693

Ion	Ratio	Lower	Upper
79	100		
52	85.0	68.7	103.1
51	41.5	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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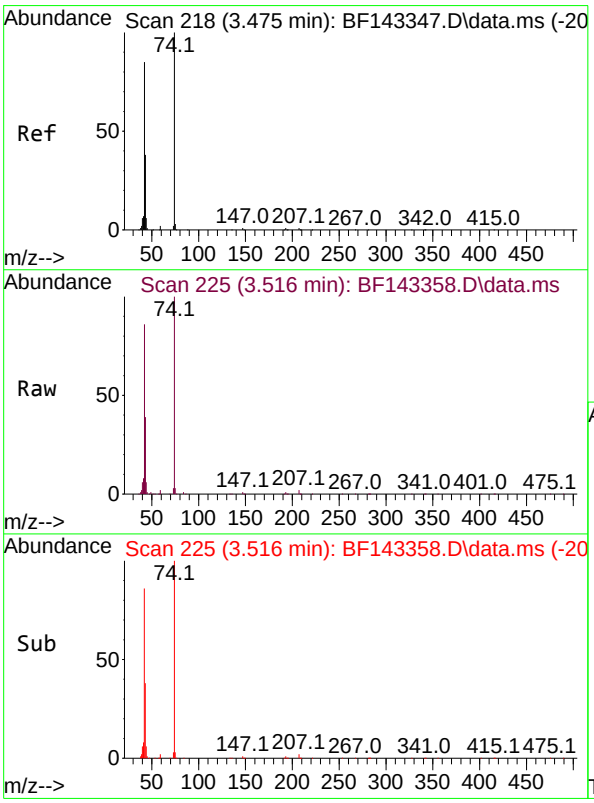
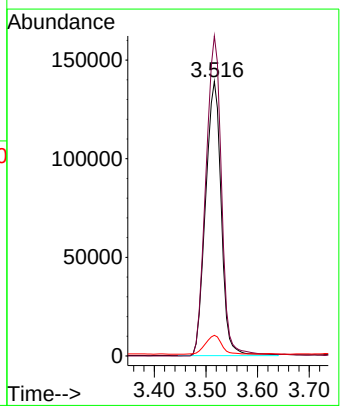
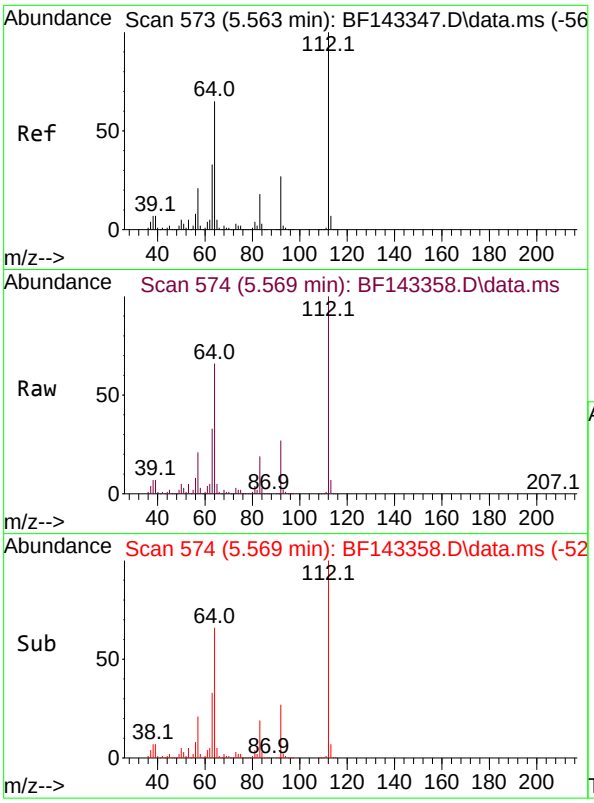


#4
n-Nitrosodimethylamine
Concen: 43.157 ng
RT: 3.516 min Scan# 225
Delta R.T. 0.041 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 42 Resp: 293233

Ion	Ratio	Lower	Upper
42	100		
74	116.6	94.1	141.1
44	7.5	6.5	9.7

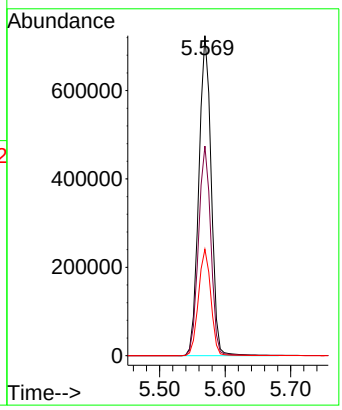




#5
2-Fluorophenol
Concen: 89.944 ng
RT: 5.569 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:112 Resp: 95142

Ion	Ratio	Lower	Upper
112	100		
64	65.5	52.1	78.1
63	33.3	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

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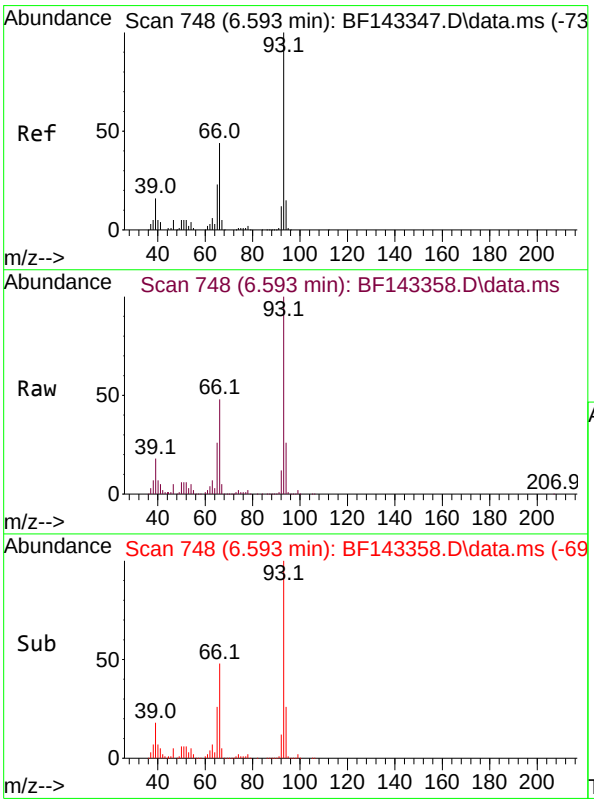
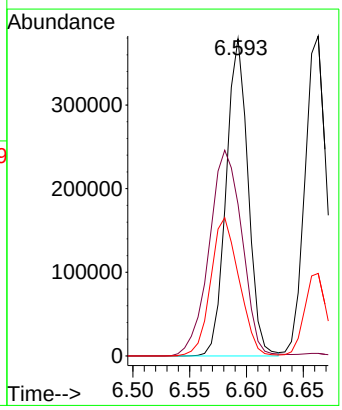
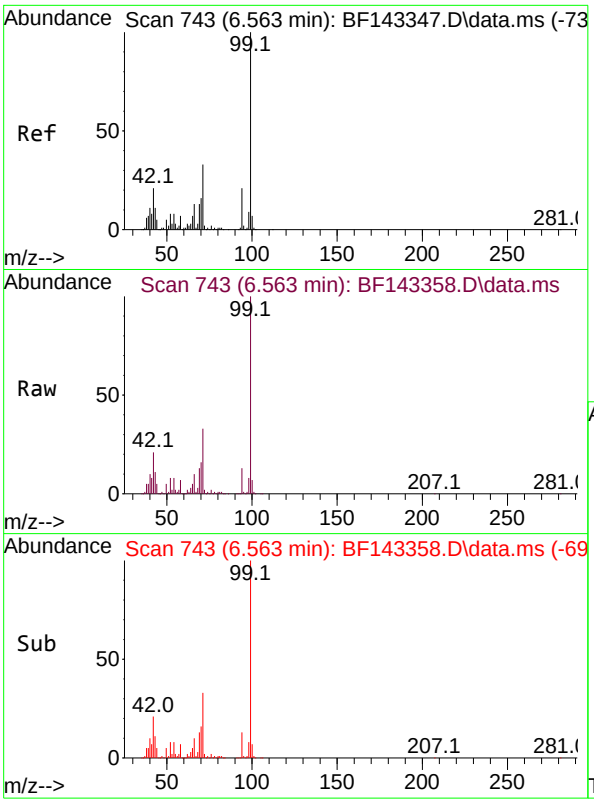


#6
Aniline
Concen: 26.599 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 93 Resp: 508673

Ion	Ratio	Lower	Upper
93	100		
66	47.8	35.3	52.9
65	25.6	18.2	27.4

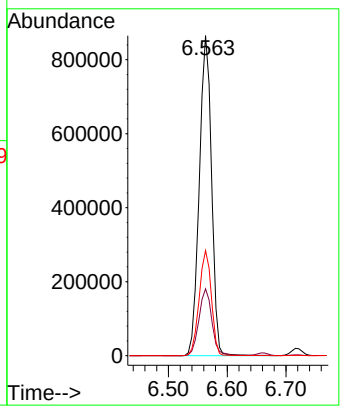




#7
Phenol-d6
Concen: 92.075 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 99 Resp: 124898

Ion	Ratio	Lower	Upper
99	100		
42	20.9	16.6	25.0
71	32.8	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

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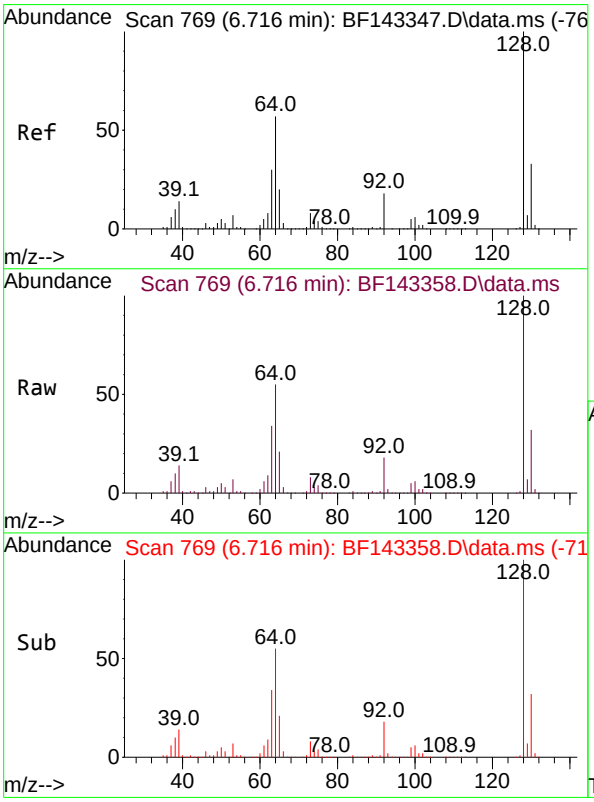
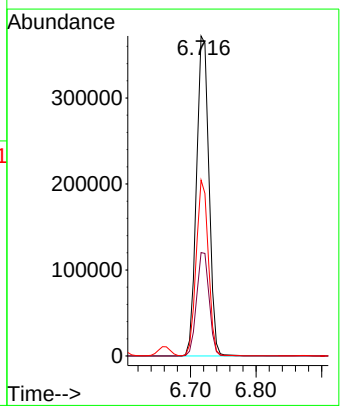
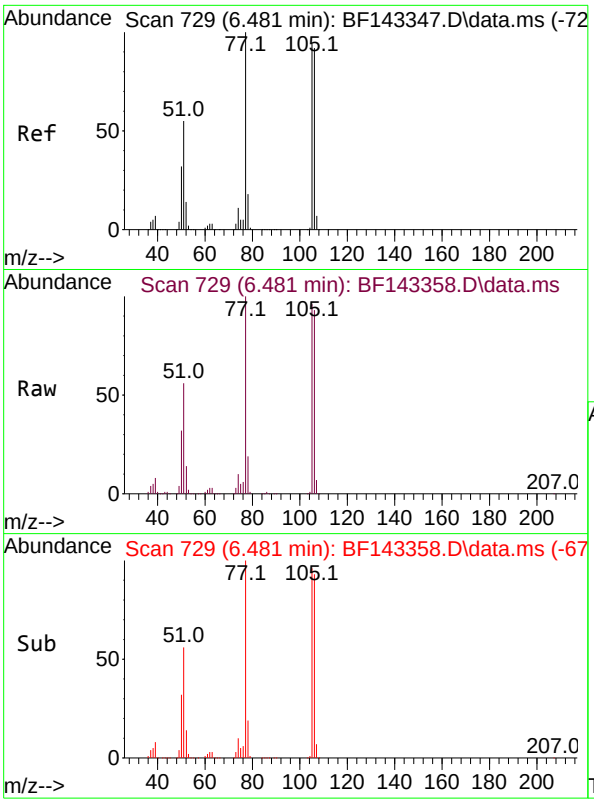


#8
2-Chlorophenol
Concen: 43.651 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:128 Resp: 493385

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	55.0	36.7	76.7

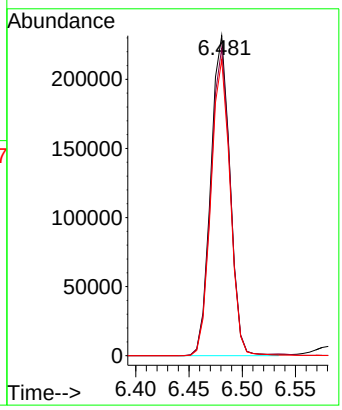




#9
Benzaldehyde
Concen: 32.352 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 77 Resp: 29005

Ion	Ratio	Lower	Upper
77	100		
105	96.2	74.2	114.2
106	92.6	72.2	112.2



Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

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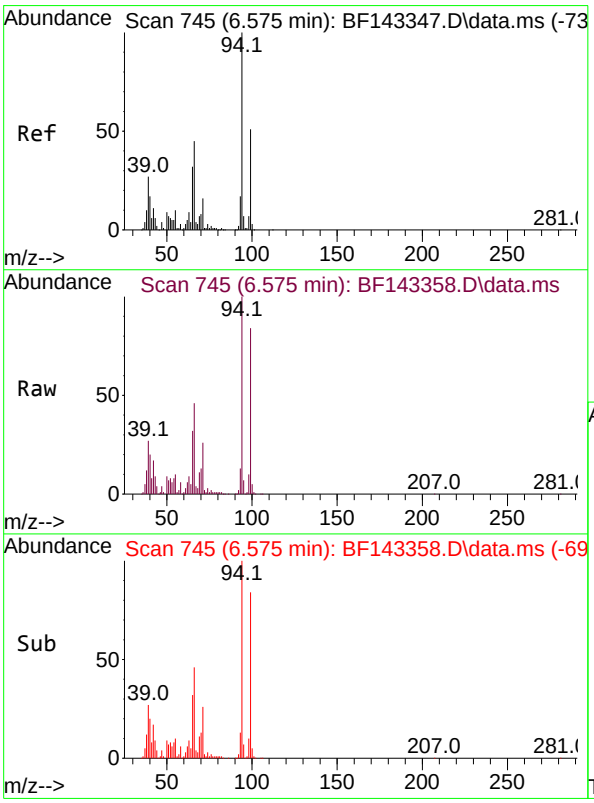
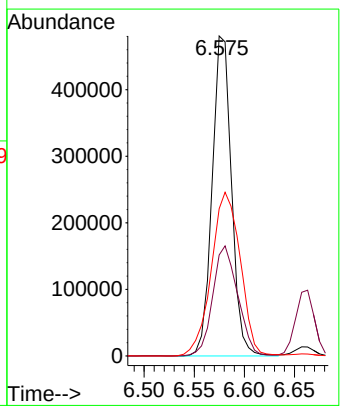
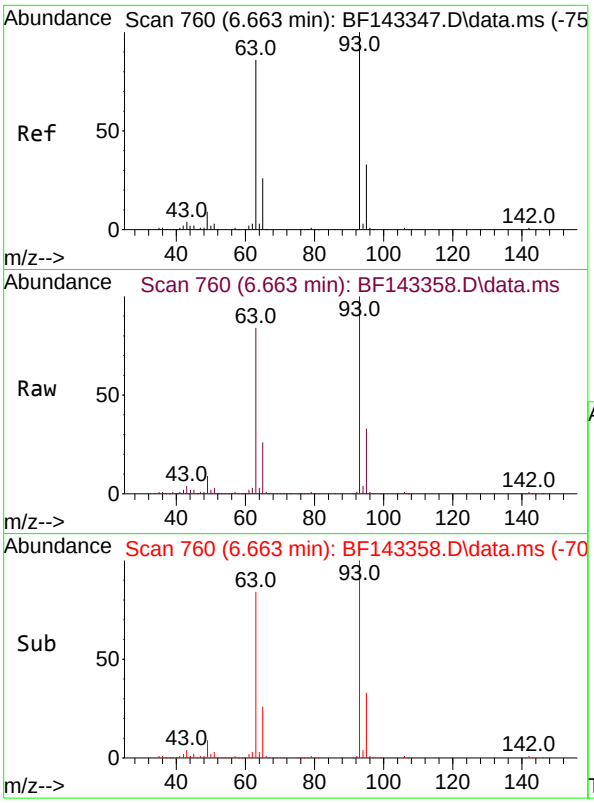


#10
Phenol
Concen: 40.168 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 94 Resp: 645482

Ion	Ratio	Lower	Upper
94	100		
65	31.5	12.0	52.0
66	46.0	25.6	65.6

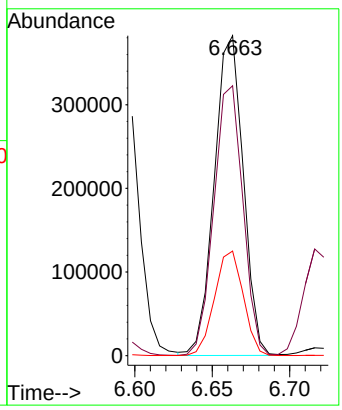




#11
bis(2-Chloroethyl)ether
Concen: 41.985 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 93 Resp: 4972

Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.7	105.7
95	32.7	13.0	53.0



Instrument :
BNA_F
ClientSampleId :
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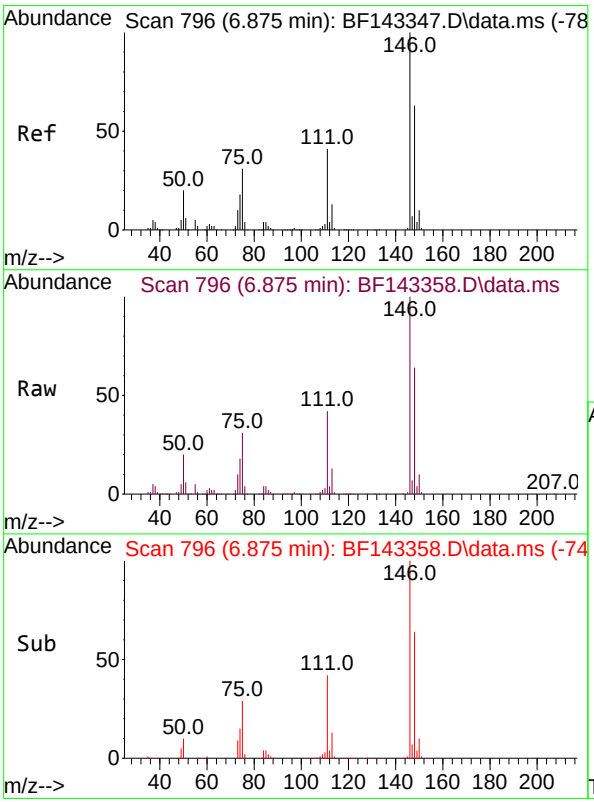
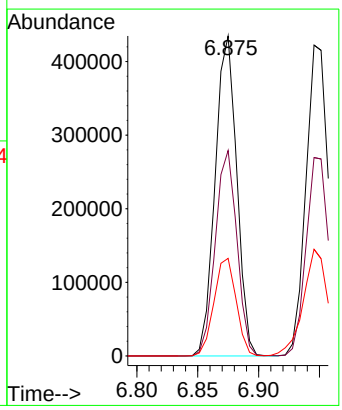
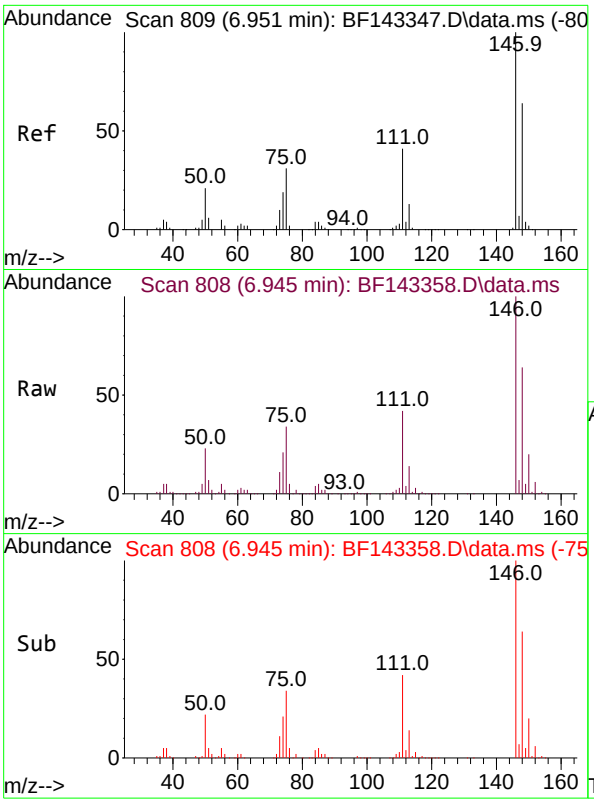


#12
1,3-Dichlorobenzene
Concen: 41.279 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:146 Resp: 538159

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.5	75.7
75	30.5	24.9	37.3

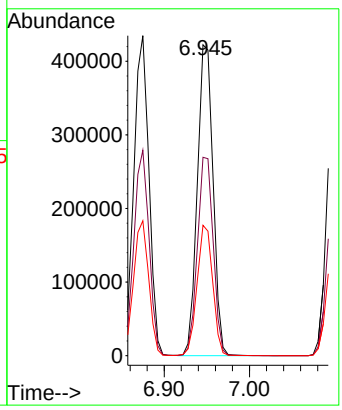




#13
1,4-Dichlorobenzene
Concen: 41.412 ng
RT: 6.945 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:146 Resp: 54186

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
111	41.9	32.6	48.8



Instrument :
BNA_F
ClientSampleId :
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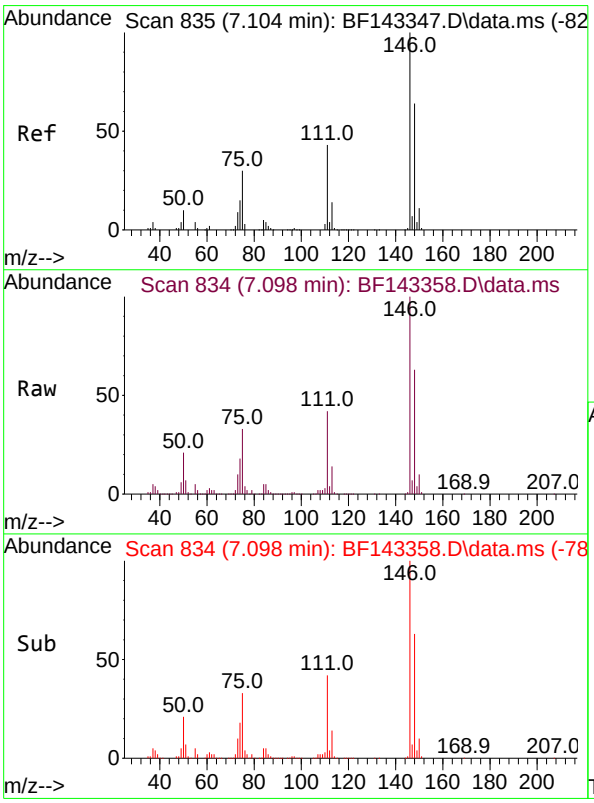
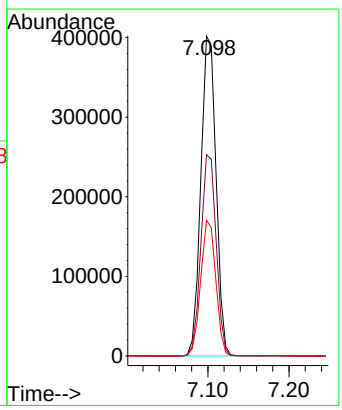
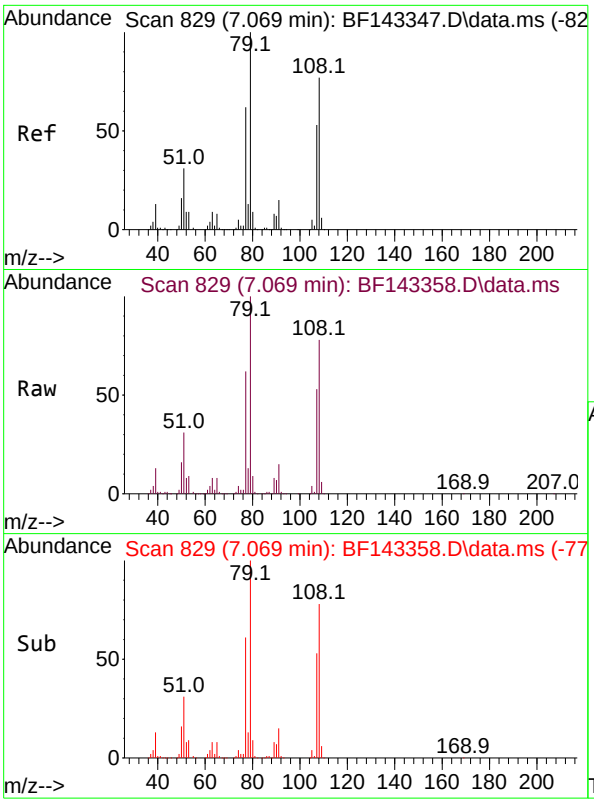


#14
1,2-Dichlorobenzene
Concen: 42.073 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:146 Resp: 522581

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.2
111	42.5	34.1	51.1

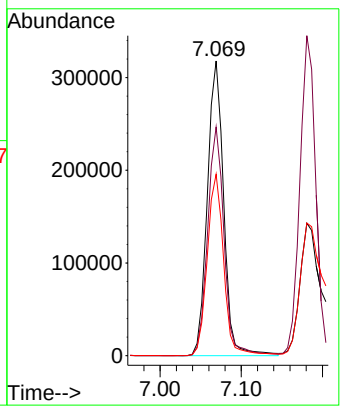




#15
Benzyl Alcohol
Concen: 45.629 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 79 Resp: 44367

Ion	Ratio	Lower	Upper
79	100		
108	77.6	61.5	92.3
77	61.6	49.8	74.8



Instrument :
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ClientSampleId :
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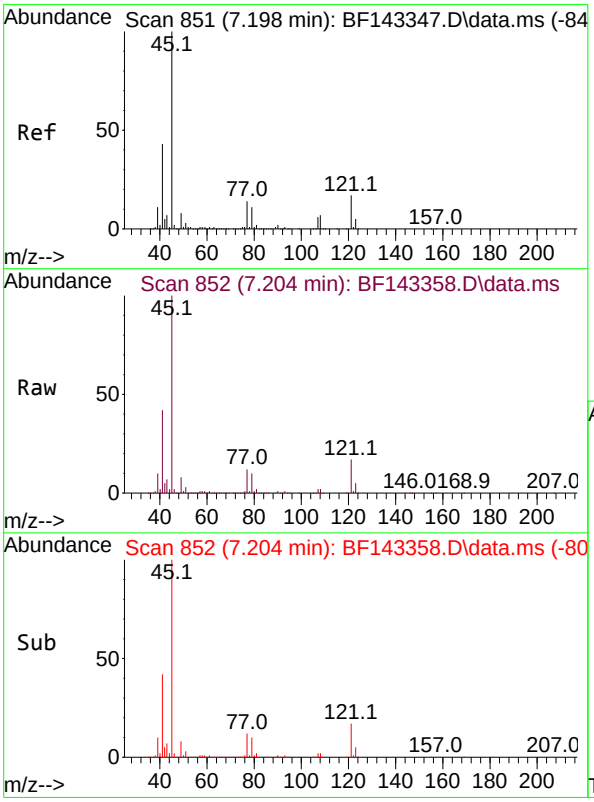
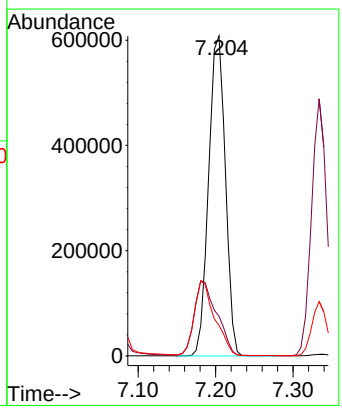
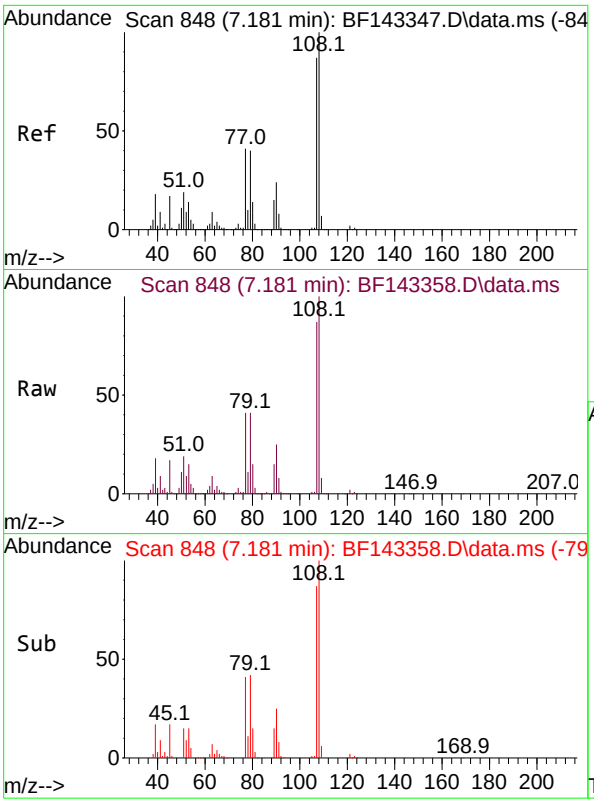


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.159 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 45 Resp: 912551

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	34.0
79	9.6	0.0	31.1

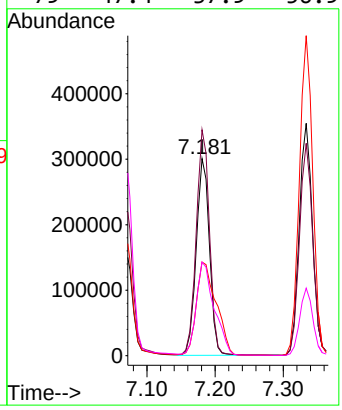




#17
2-Methylphenol
Concen: 42.682 ng
RT: 7.181 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:107 Resp: 40723

Ion	Ratio	Lower	Upper
107	100		
108	114.6	92.0	138.0
77	47.5	38.2	57.2
79	47.4	37.9	56.9



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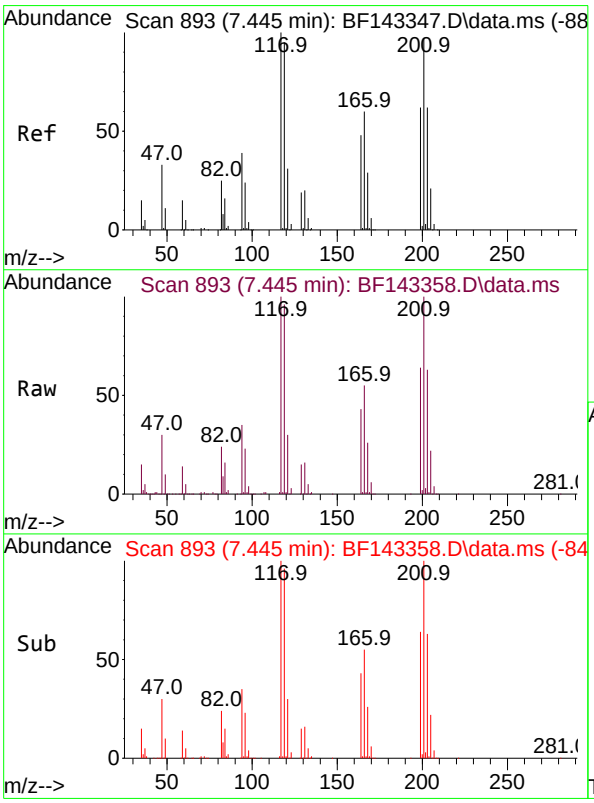
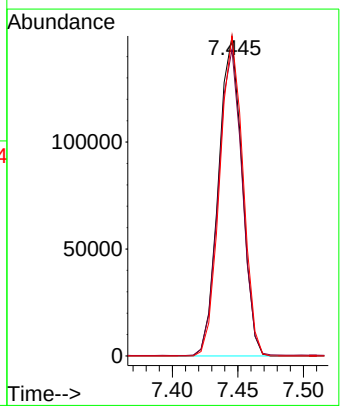
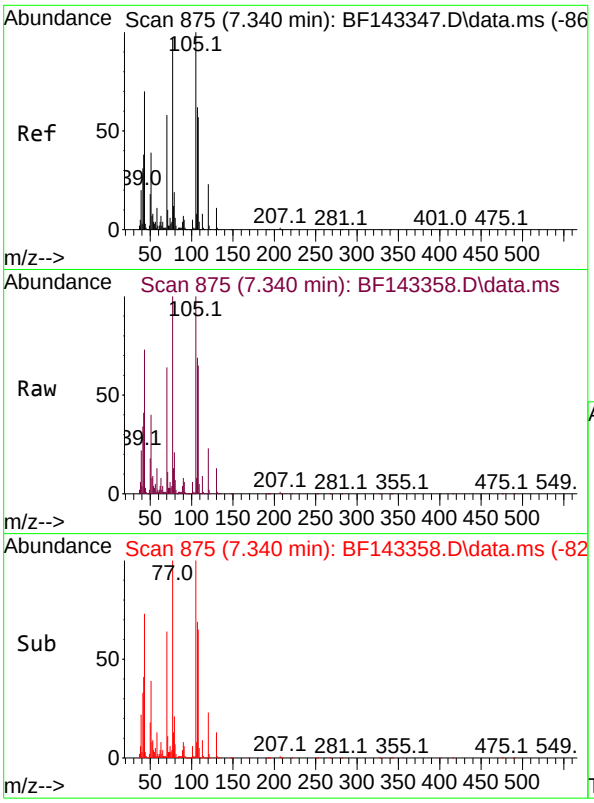


#18
Hexachloroethane
Concen: 45.314 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:117 Resp: 185892

Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.8	113.8
201	100.3	77.2	115.8

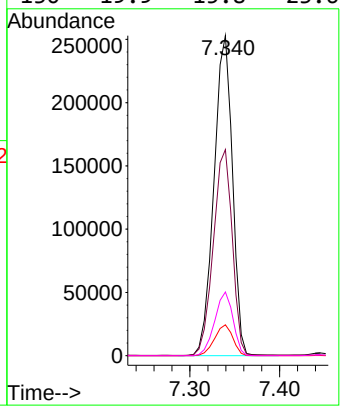




#19
n-Nitroso-di-n-propylamine
Concen: 43.173 ng
RT: 7.340 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 70 Resp: 36186

Ion	Ratio	Lower	Upper
70	100		
42	64.4	51.6	77.4
101	9.7	7.5	11.3
130	19.9	15.8	23.6



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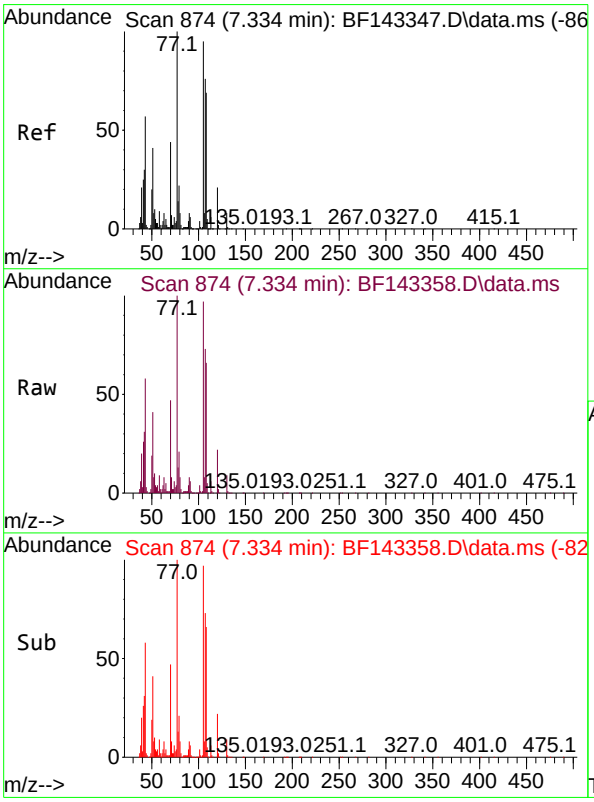
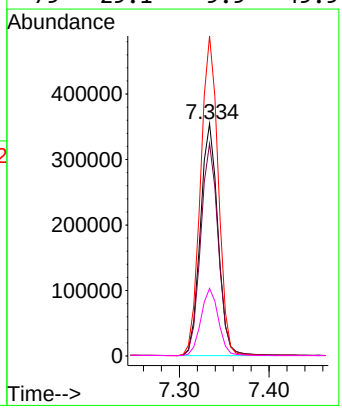
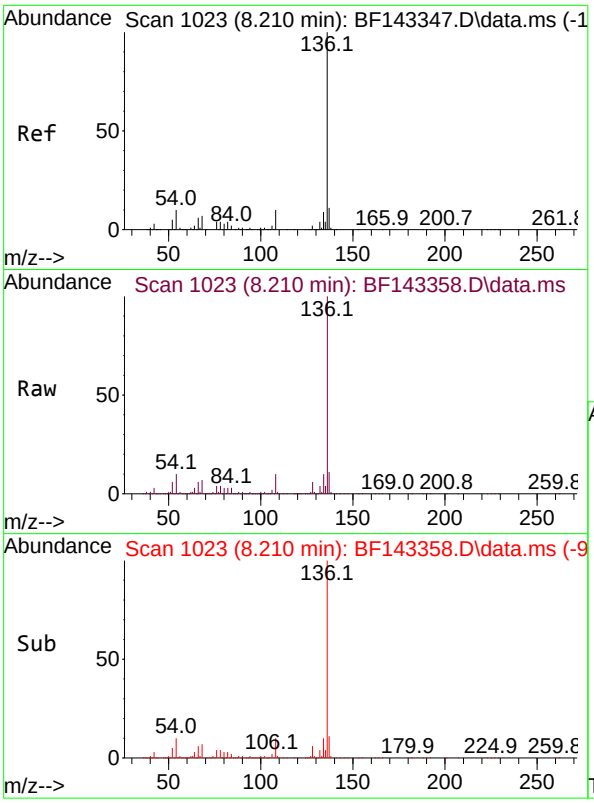


#20
3+4-Methylphenols
Concen: 41.720 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:107 Resp: 481391

Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.6	110.6
77	137.8	112.0	152.0
79	29.1	9.9	49.9

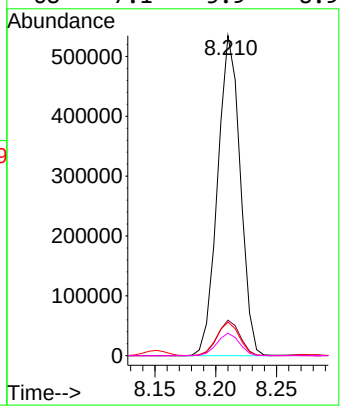




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:136 Resp: 69234

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.5	8.4	12.6
68	7.1	5.9	8.9



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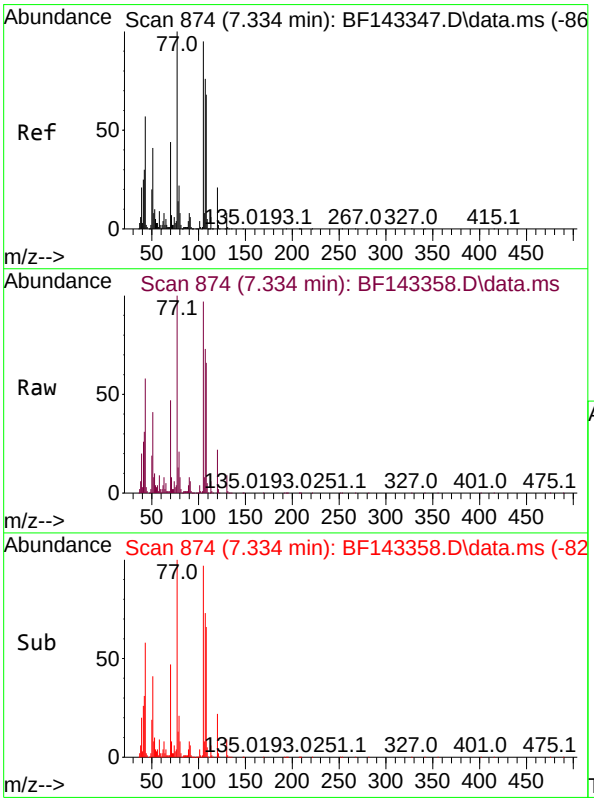
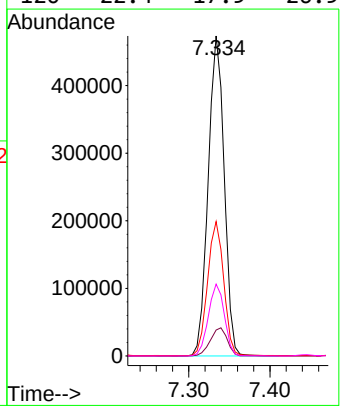
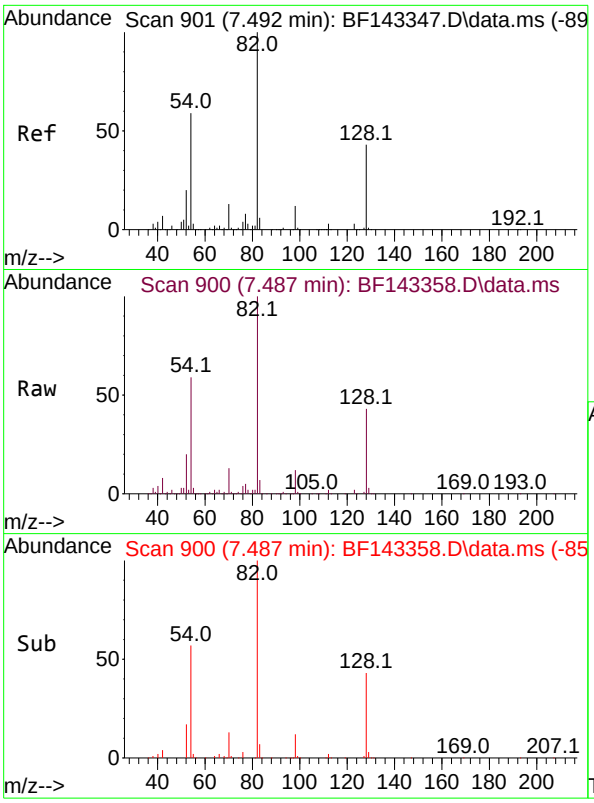


#22
Acetophenone
Concen: 42.526 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:105 Resp: 648720

Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.2	9.4
51	42.0	34.8	52.2
120	22.4	17.9	26.9

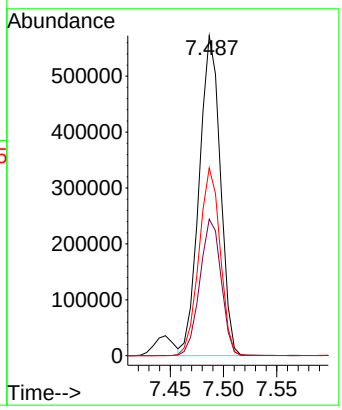




#23
Nitrobenzene-d5
Concen: 71.062 ng
RT: 7.487 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 82 Resp: 79005

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.5	50.3
54	58.7	46.7	70.1



Instrument :
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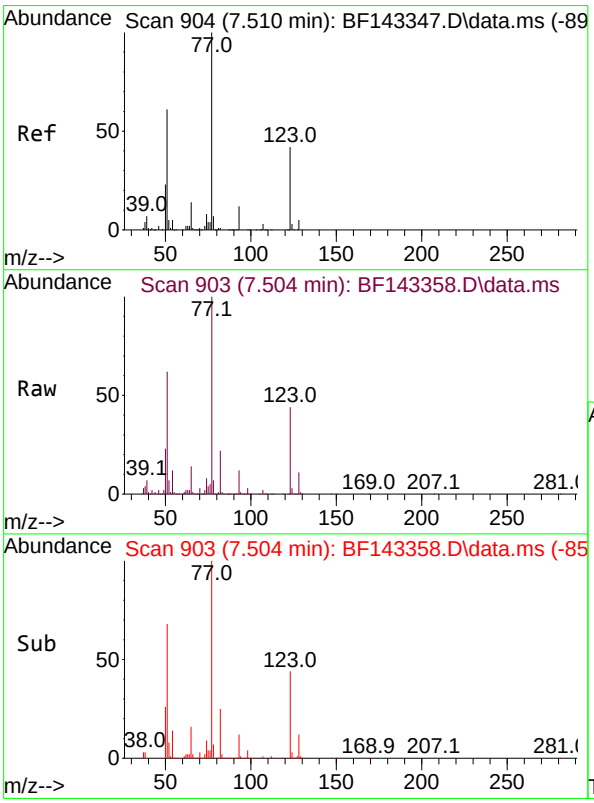
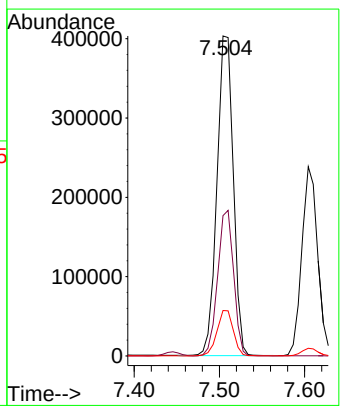
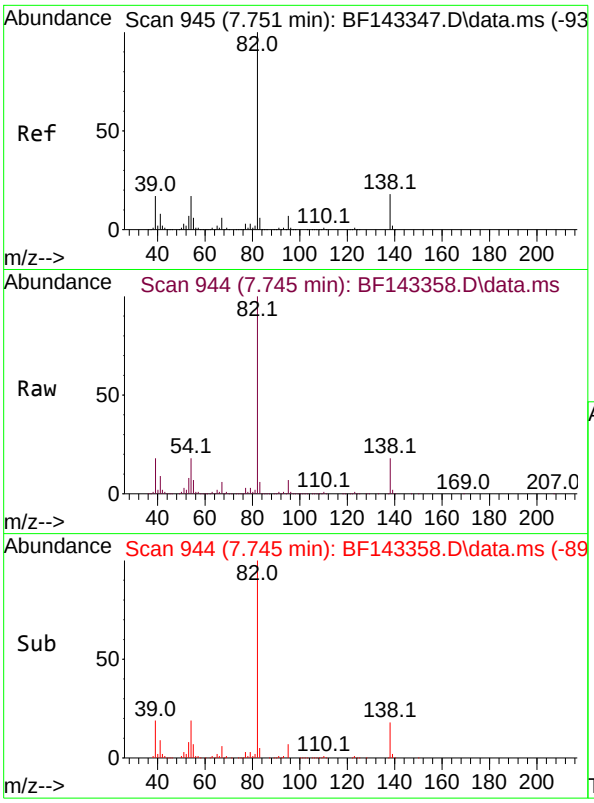


#24
Nitrobenzene
Concen: 44.469 ng
RT: 7.504 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 77 Resp: 536939

Ion	Ratio	Lower	Upper
77	100		
123	43.8	34.8	52.2
65	14.2	11.0	16.6

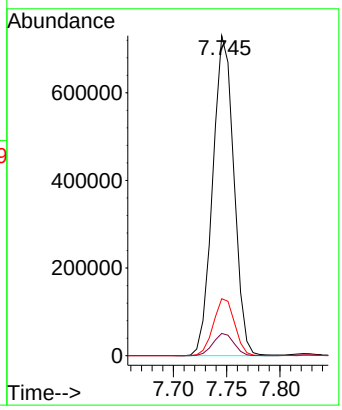




#25
Isophorone
Concen: 44.492 ng
RT: 7.745 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 82 Resp: 100980

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	17.8	14.6	21.8



Instrument :
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ClientSampleId :
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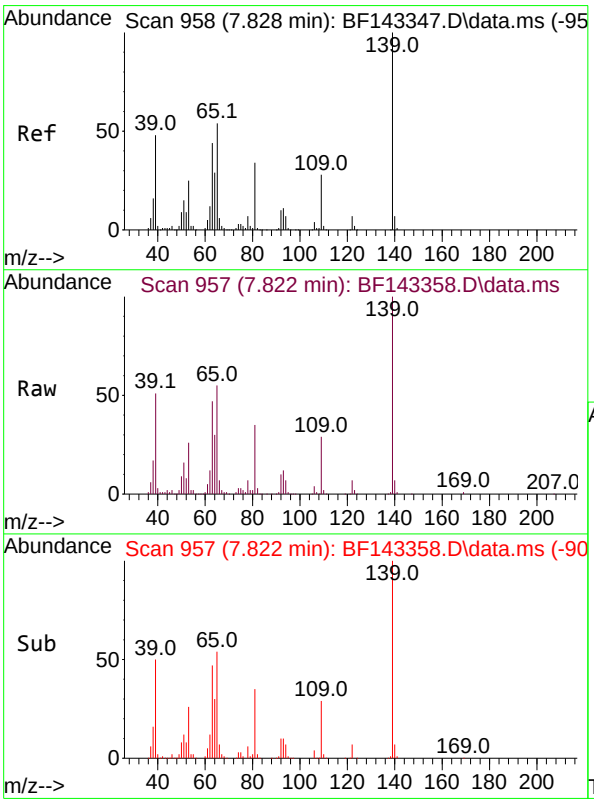
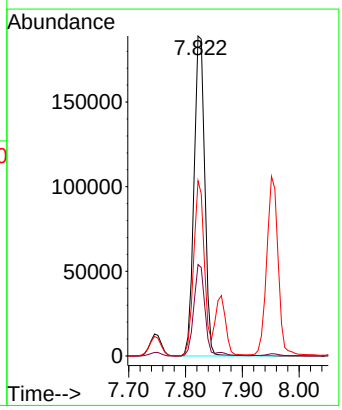
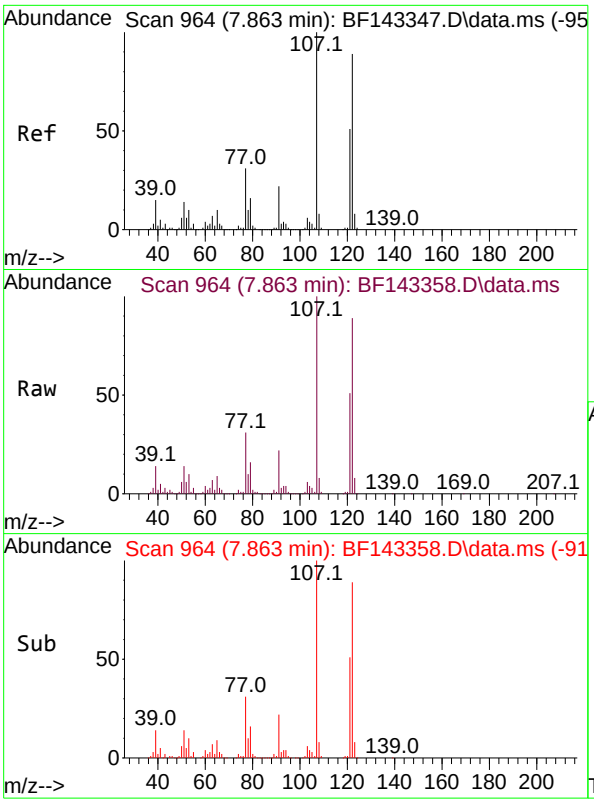


#26
2-Nitrophenol
Concen: 51.659 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:139 Resp: 251416

Ion	Ratio	Lower	Upper
139	100		
109	28.6	22.4	33.6
65	54.7	42.9	64.3

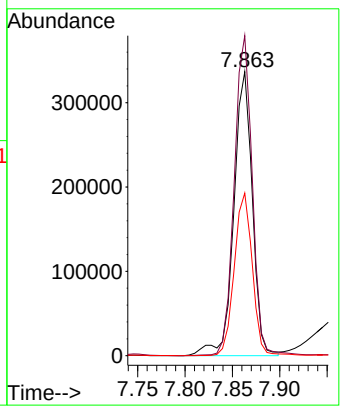




#27
2,4-Dimethylphenol
Concen: 48.453 ng
RT: 7.863 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:122 Resp: 45879

Ion	Ratio	Lower	Upper
122	100		
107	112.7	89.9	134.9
121	57.3	46.2	69.4



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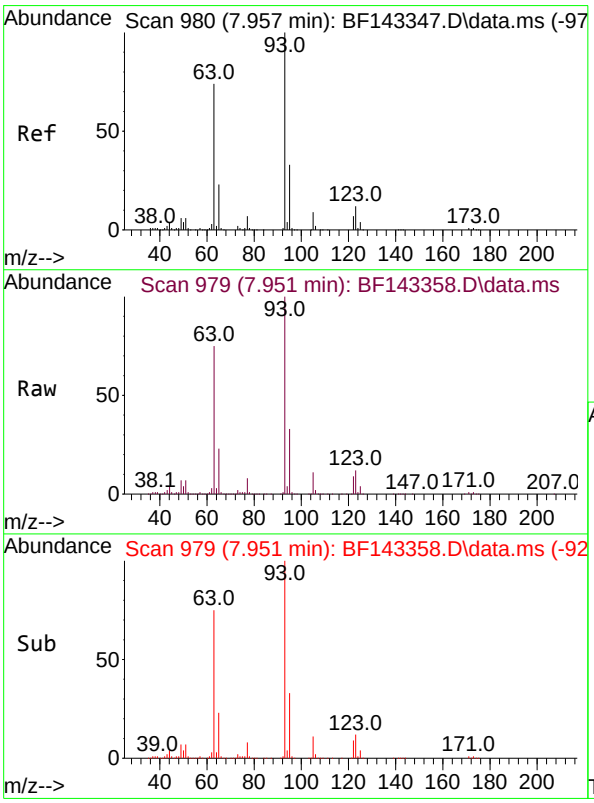
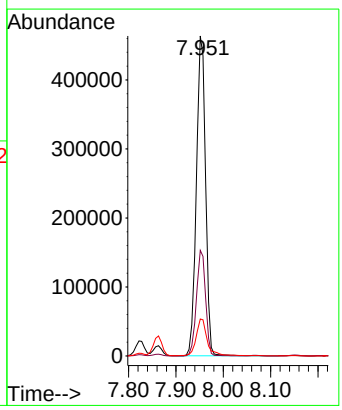
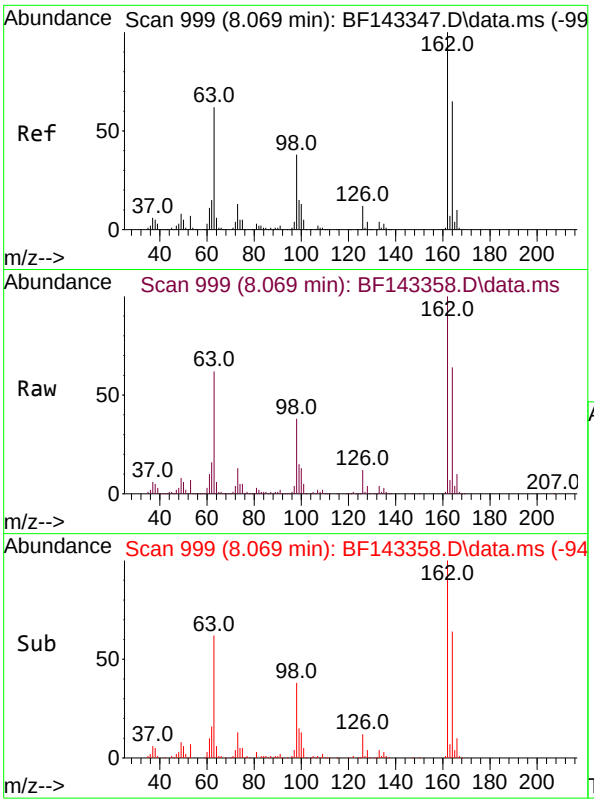


#28
bis(2-Chloroethoxy)methane
Concen: 45.081 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 93 Resp: 624694

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	11.6	9.4	14.2

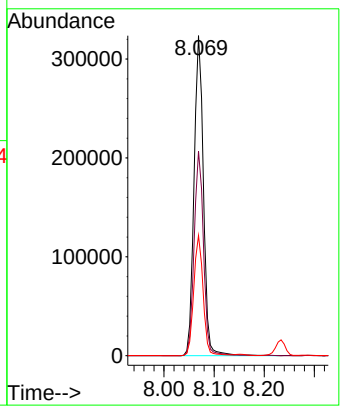




#29
2,4-Dichlorophenol
Concen: 45.376 ng
RT: 8.069 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:162 Resp: 41965

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.5	84.5
98	37.5	17.7	57.7



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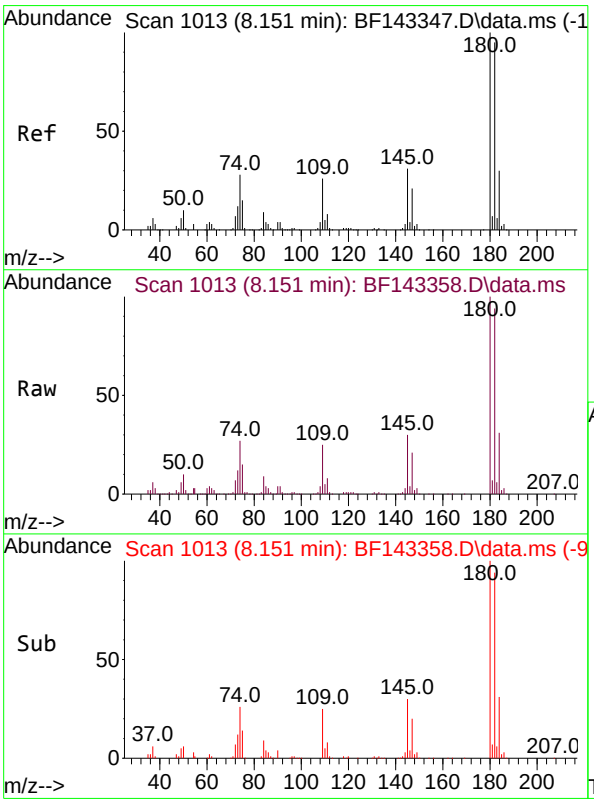
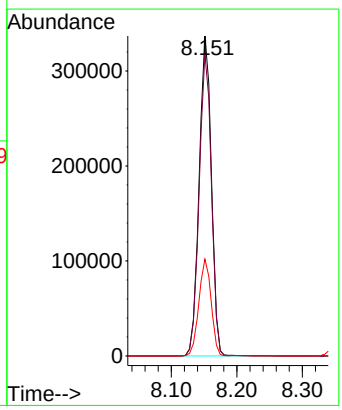
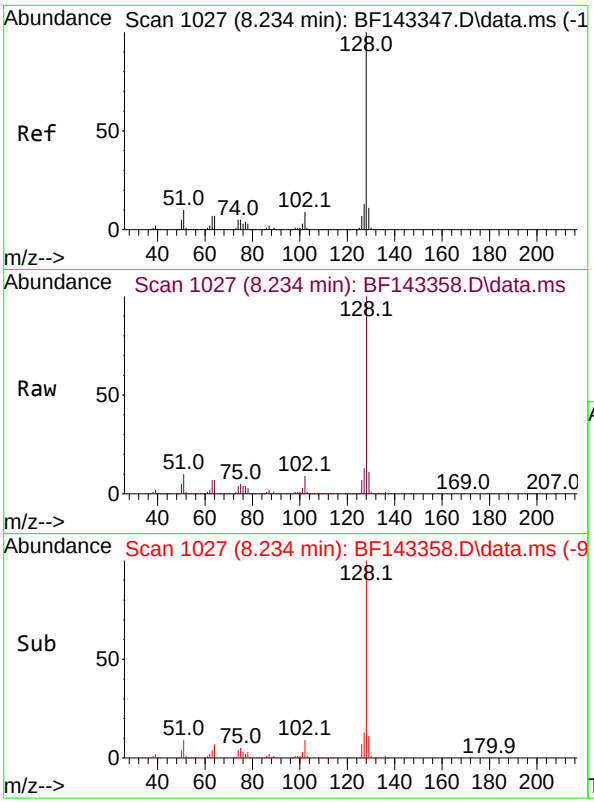


#30
1,2,4-Trichlorobenzene
Concen: 45.042 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:180 Resp: 439410

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	30.2	24.9	37.3

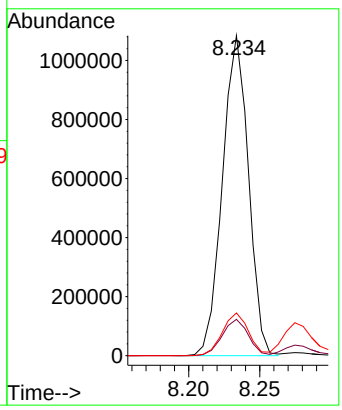




#31
Naphthalene
Concen: 41.442 ng
RT: 8.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:128 Resp: 138061

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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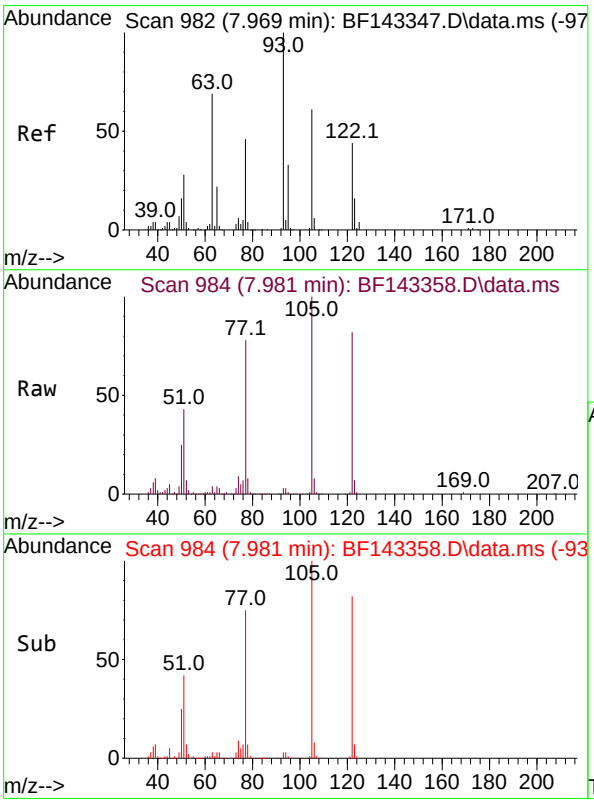
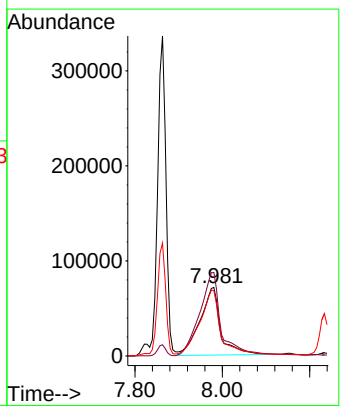
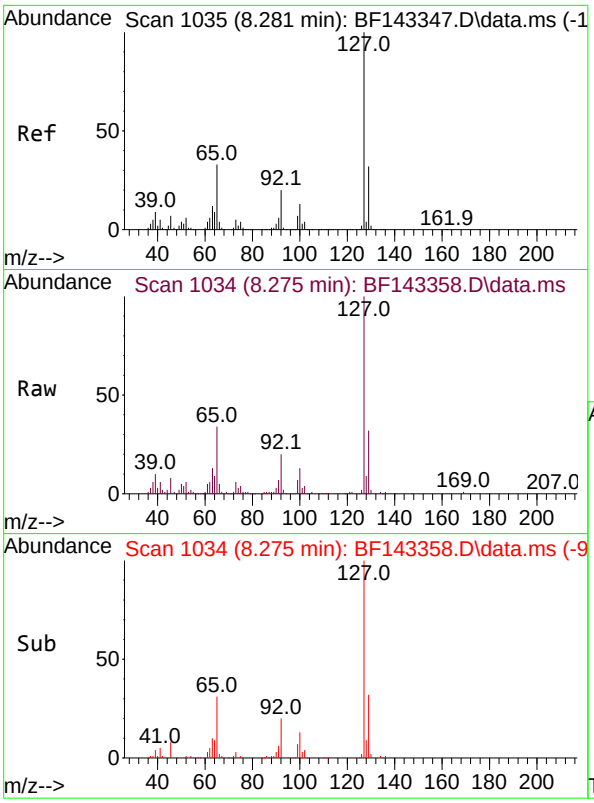


#32
Benzoic acid
Concen: 54.727 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:122 Resp: 235729

Ion	Ratio	Lower	Upper
122	100		
105	121.9	106.4	146.4
77	95.2	79.2	119.2

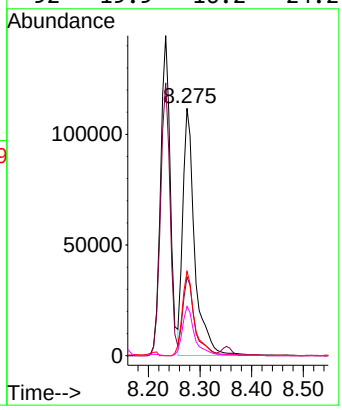




#33
4-Chloroaniline
Concen: 14.905 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:127 Resp: 17909

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	34.1	27.0	40.4
92	19.9	16.2	24.2



Instrument :
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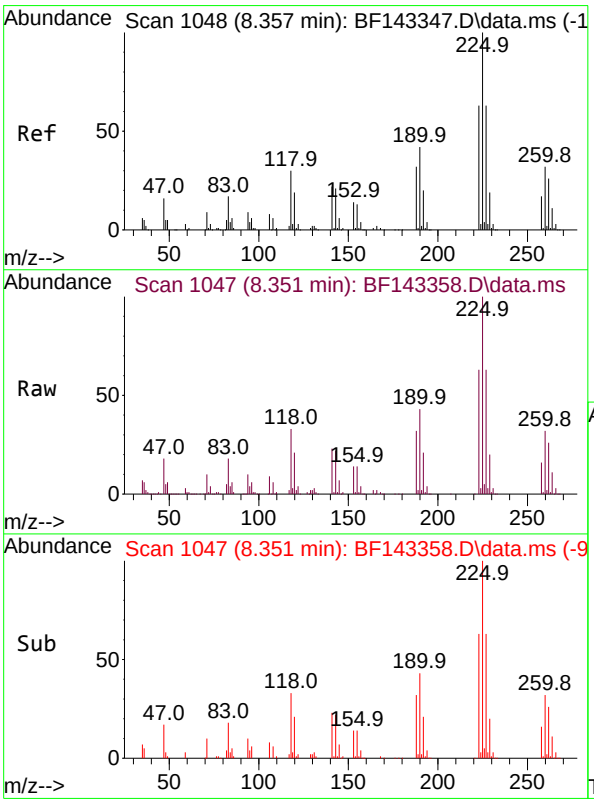
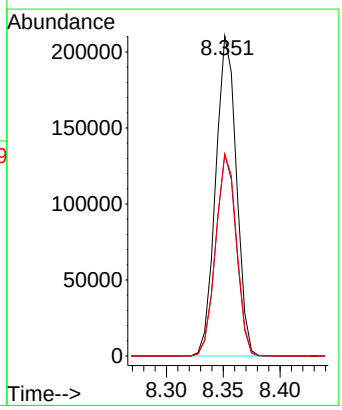
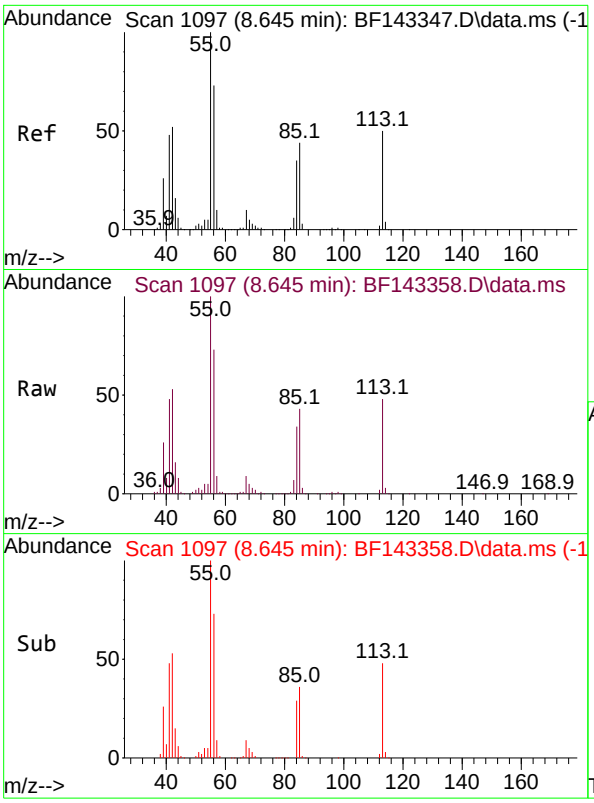


#34
Hexachlorobutadiene
Concen: 43.970 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:225 Resp: 266834

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.1	75.1
227	63.1	50.6	75.8

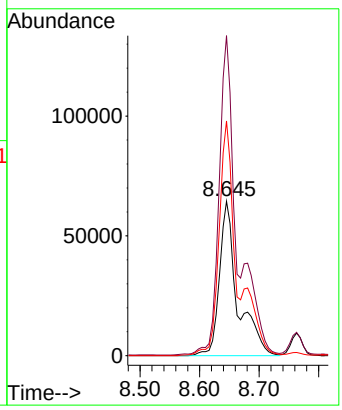




#35
Caprolactam
Concen: 52.913 ng m
RT: 8.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:113 Resp: 13756

Ion	Ratio	Lower	Upper
113	100		
55	207.1	181.4	221.4
56	151.9	127.3	167.3



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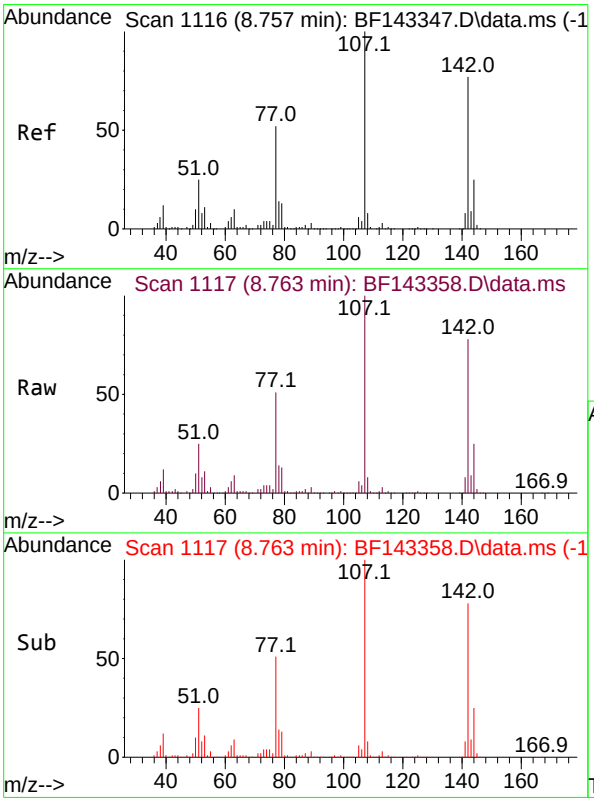
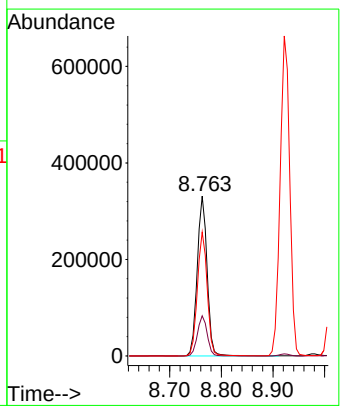
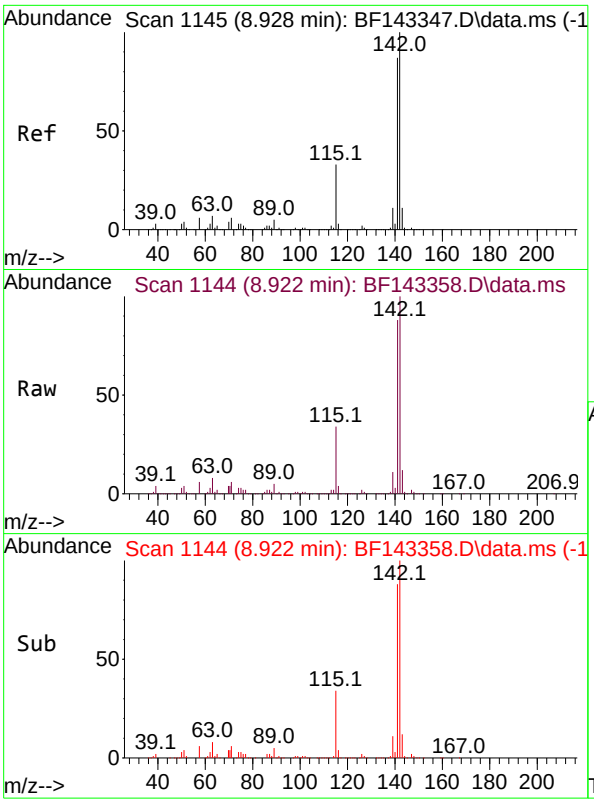


#36
4-Chloro-3-methylphenol
Concen: 45.328 ng
RT: 8.763 min Scan# 1117
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:107 Resp: 439471

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.0	30.0
142	77.5	61.3	91.9

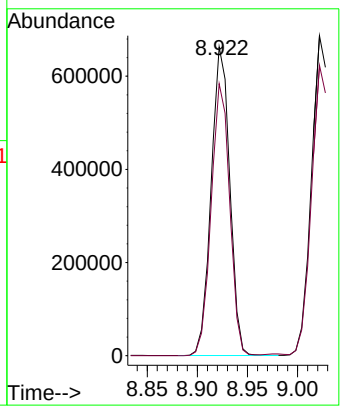




#37
2-Methylnaphthalene
Concen: 39.012 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:142 Resp: 85442

Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.8	104.8



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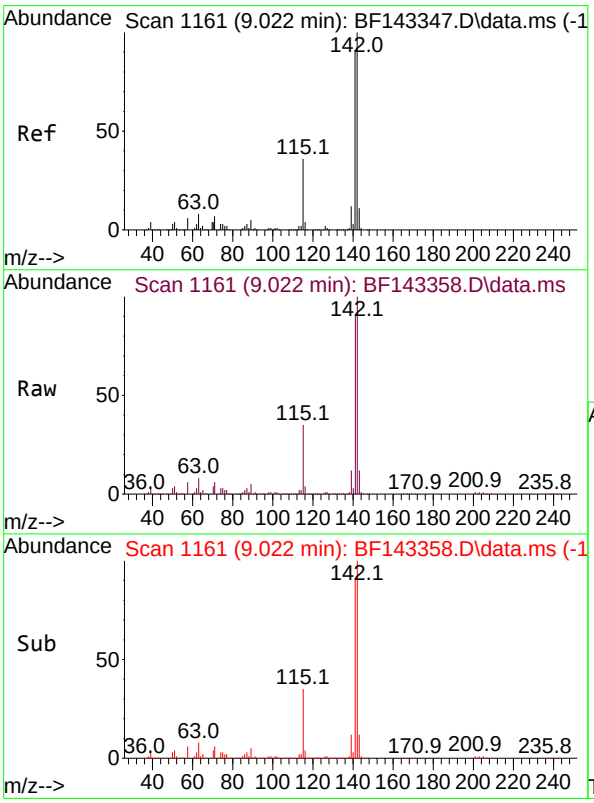
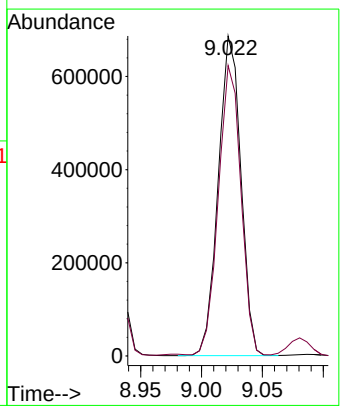
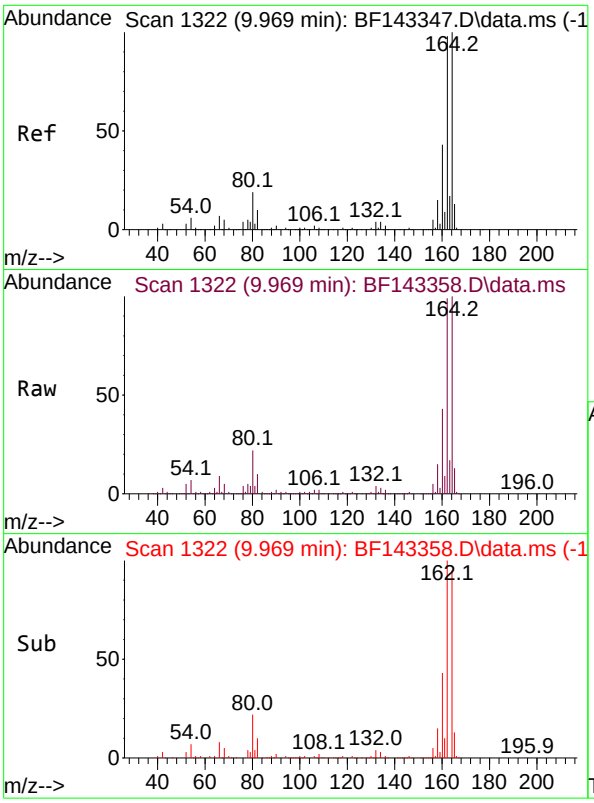


#38
1-Methylnaphthalene
Concen: 42.034 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:142 Resp: 886647

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.4

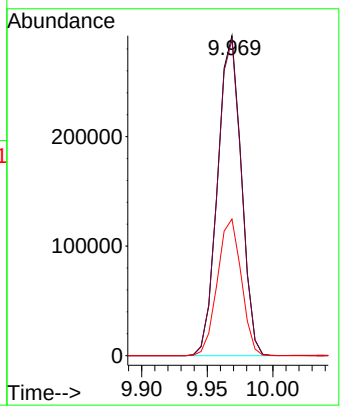




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:164 Resp: 36684

Ion	Ratio	Lower	Upper
164	100		
162	98.8	78.6	118.0
160	42.7	34.4	51.6



Instrument :
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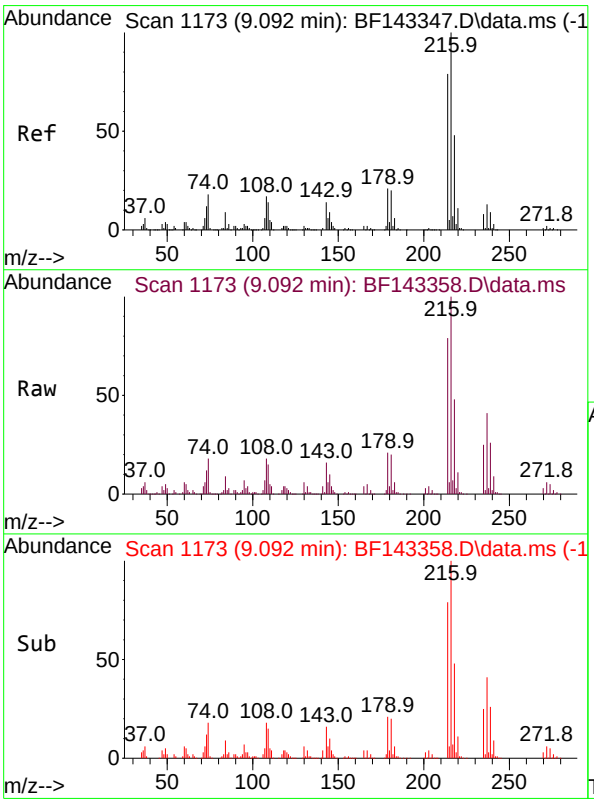
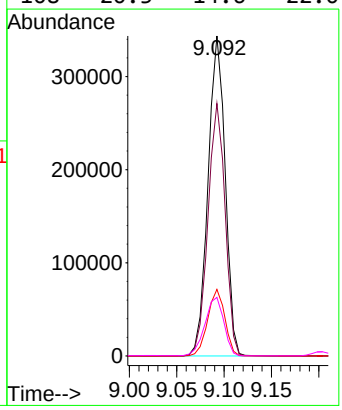
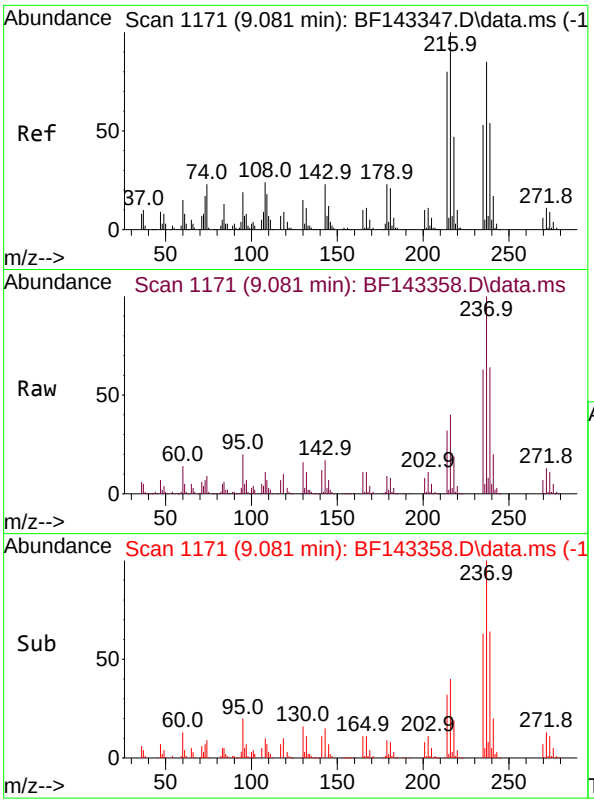


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.905 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:216 Resp: 430702

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.4
179	20.9	17.0	25.4
108	20.3	14.6	22.0

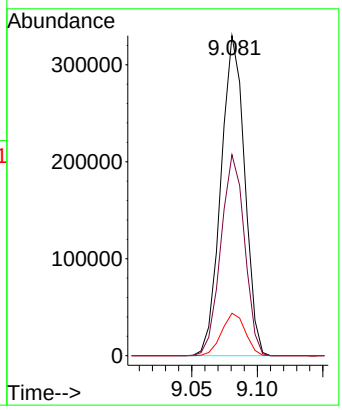




#41
Hexachlorocyclopentadiene
Concen: 113.888 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:237 Resp: 41411

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.0	82.0
272	13.3	0.0	32.6



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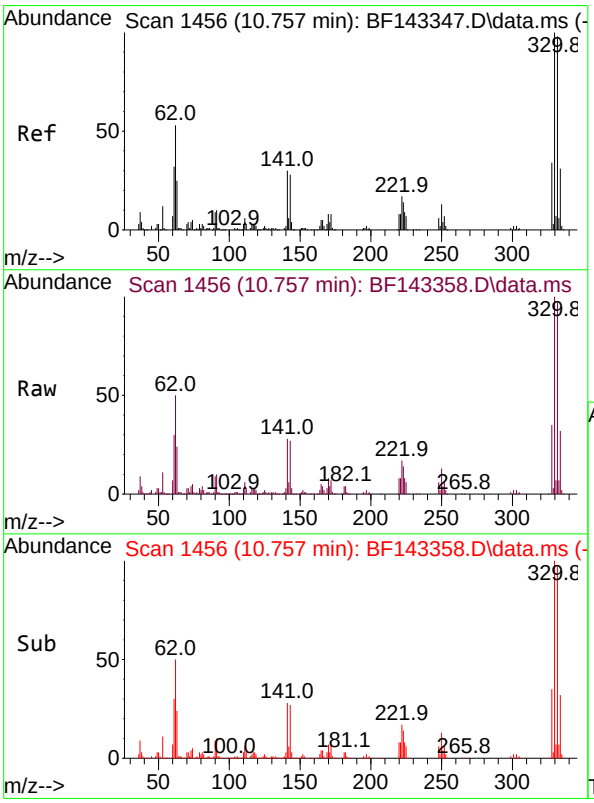
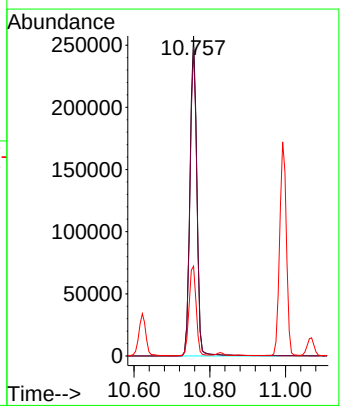
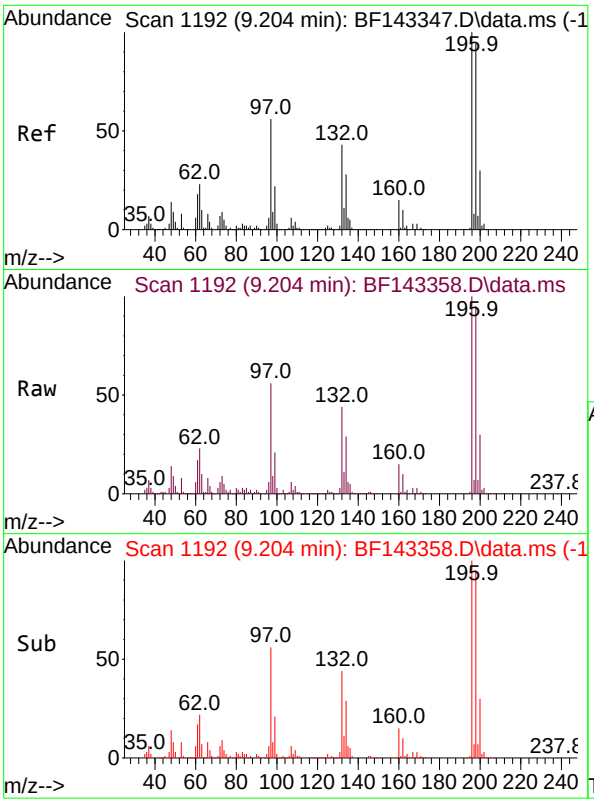


#42
2,4,6-Tribromophenol
Concen: 120.061 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:330 Resp: 321880

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.1	117.1
141	29.2	25.4	38.0

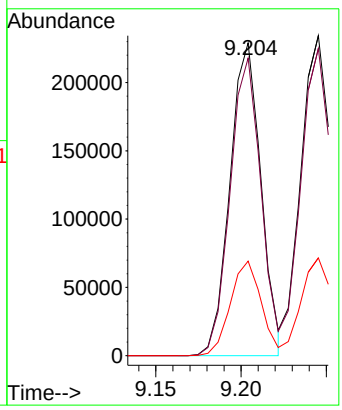




#43
2,4,6-Trichlorophenol
Concen: 50.746 ng
RT: 9.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:196 Resp: 28902

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.3	24.3	36.5



Instrument :
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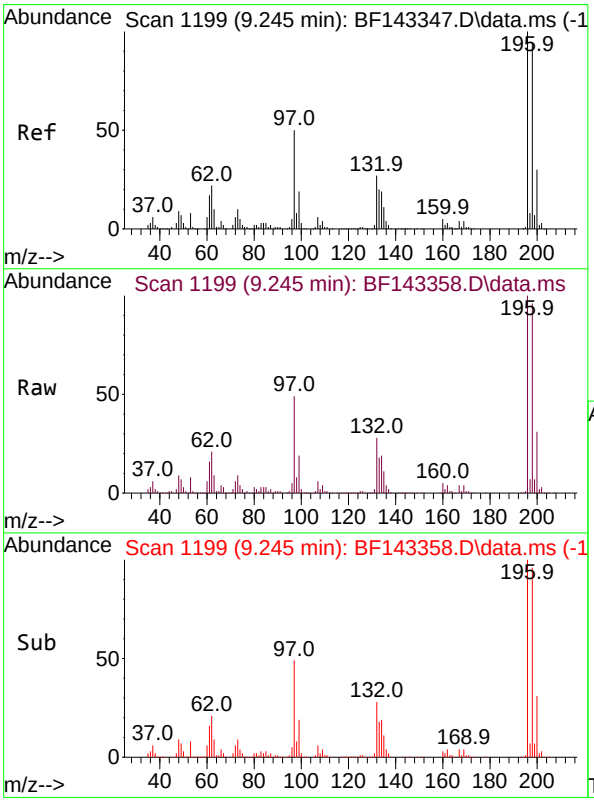
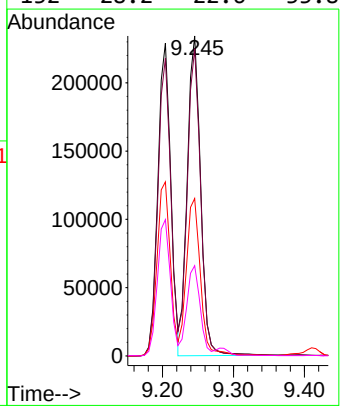
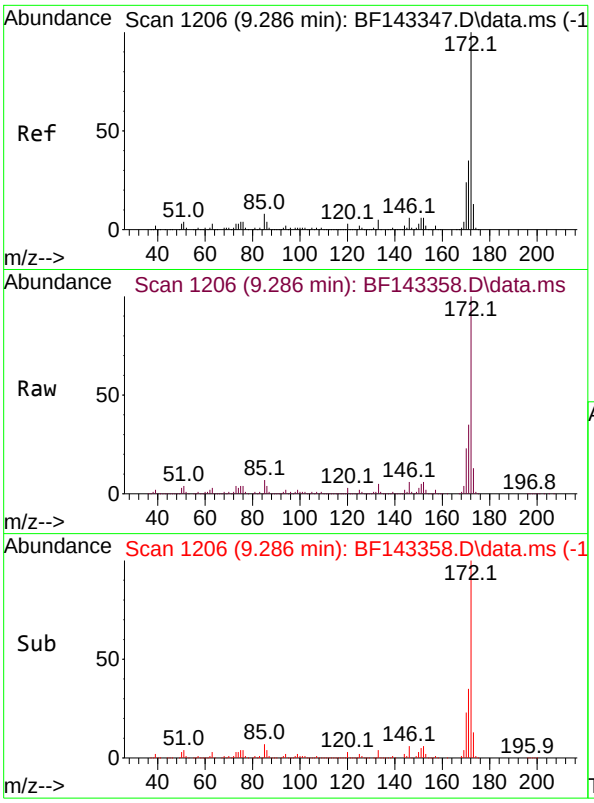


#44
2,4,5-Trichlorophenol
Concen: 47.798 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:196 Resp: 307429

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.4	113.2
97	49.2	39.9	59.9
132	28.2	22.6	33.8

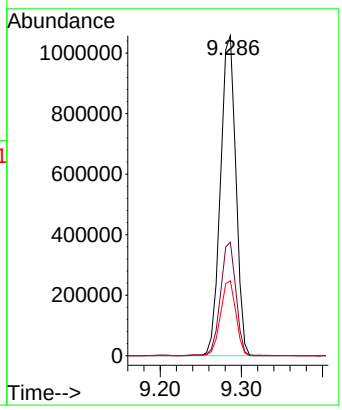




#45
2-Fluorobiphenyl
Concen: 64.538 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:172 Resp: 139615

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.4	19.1	28.7



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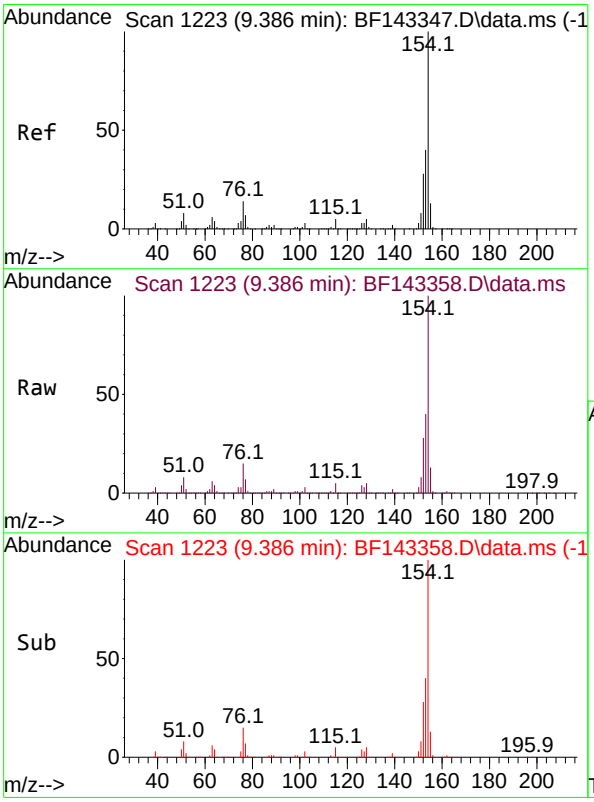
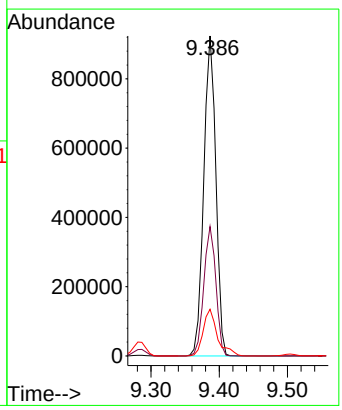
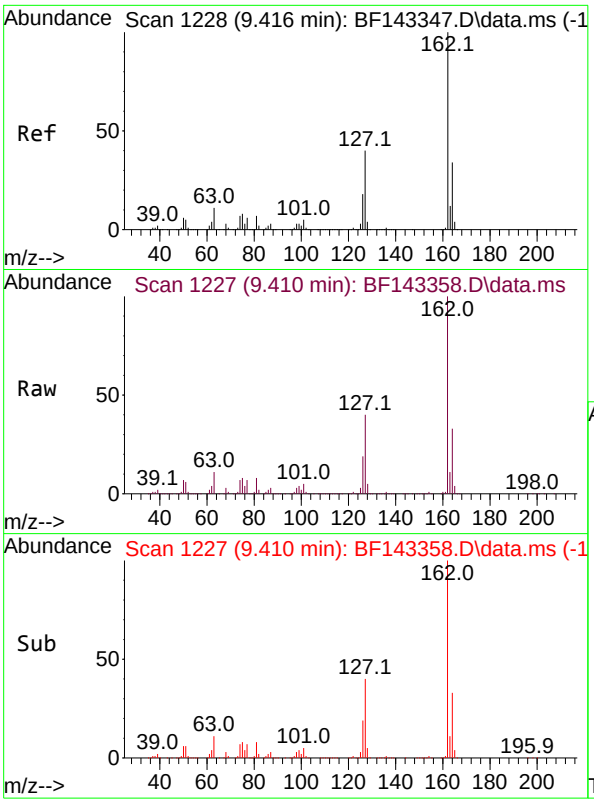


#46
1,1'-Biphenyl
Concen: 43.941 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:154 Resp: 1139727

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	14.6	0.0	34.4

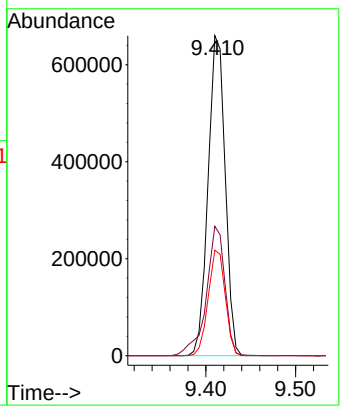




#47
2-Chloronaphthalene
Concen: 42.753 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:162 Resp: 87335

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.1	48.1
164	33.0	27.0	40.4



Instrument :
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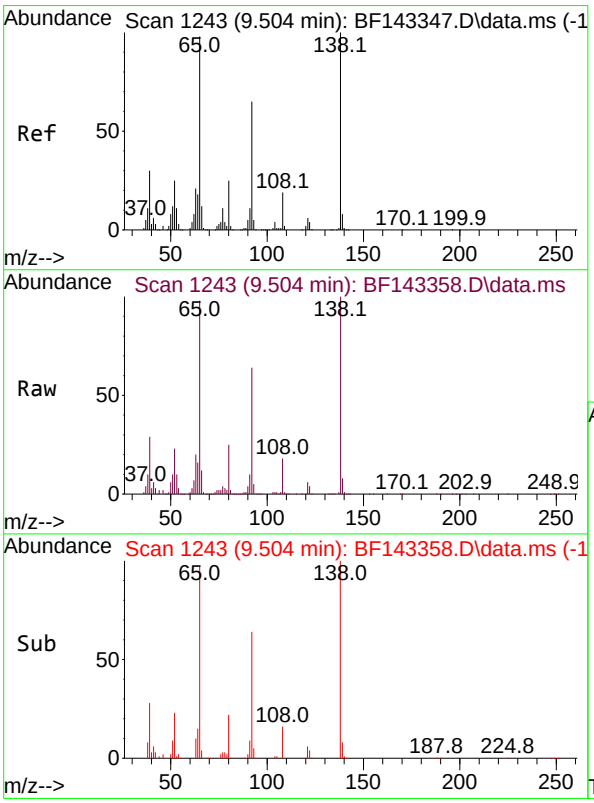
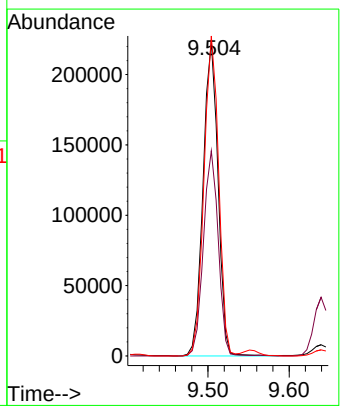
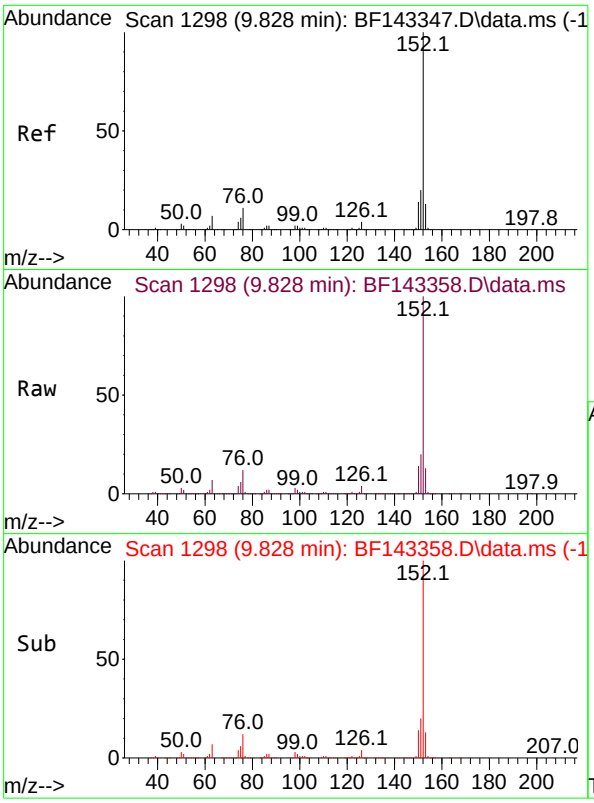


#48
2-Nitroaniline
Concen: 48.333 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 65 Resp: 284883

Ion	Ratio	Lower	Upper
65	100		
92	65.3	53.1	79.7
138	101.9	81.4	122.0

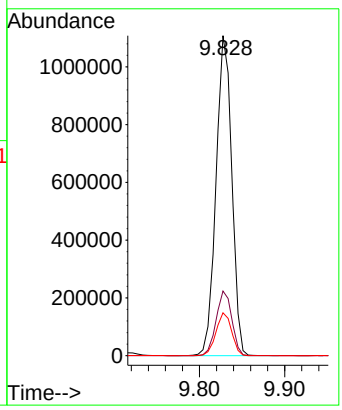




#49
Acenaphthylene
Concen: 48.274 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:152 Resp: 142410

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.4	10.6	16.0



Instrument :
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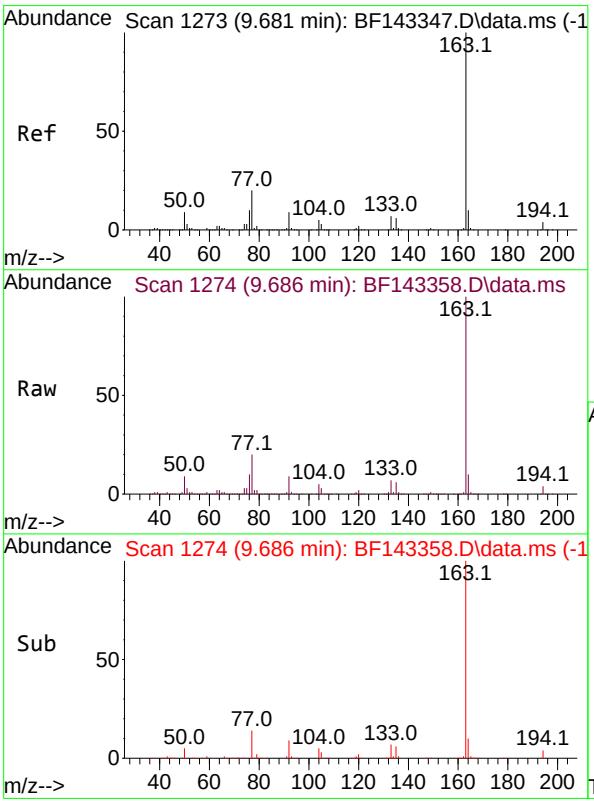
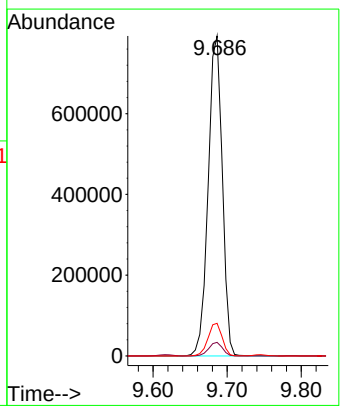
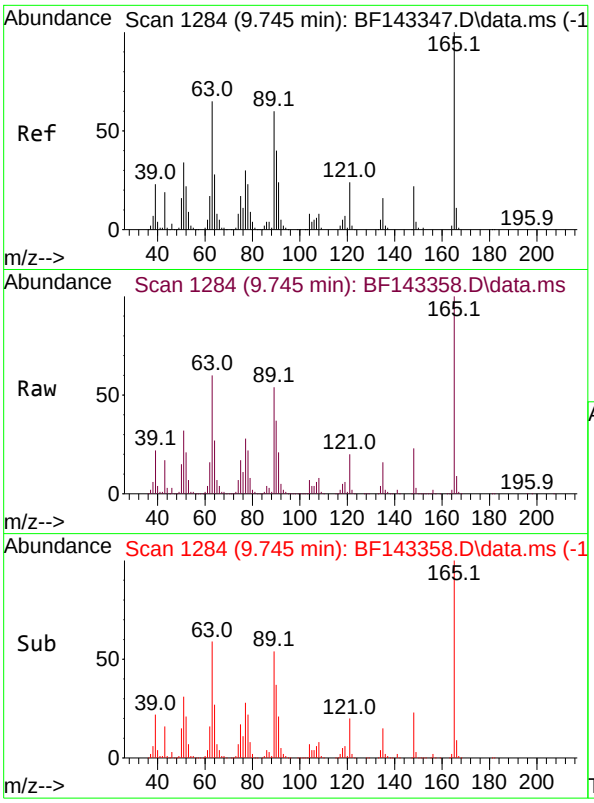


#50
Dimethylphthalate
Concen: 48.911 ng
RT: 9.686 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:163 Resp: 1048412

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.2	12.2

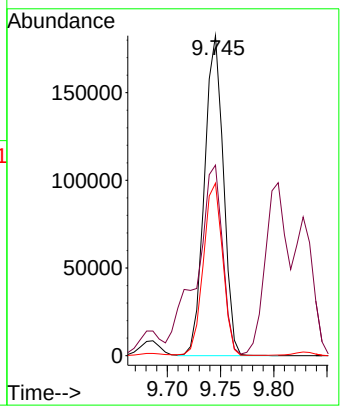




#51
2,6-Dinitrotoluene
Concen: 55.227 ng
RT: 9.745 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:165 Resp: 22593

Ion	Ratio	Lower	Upper
165	100		
63	59.6	51.6	77.4
89	53.9	47.7	71.5



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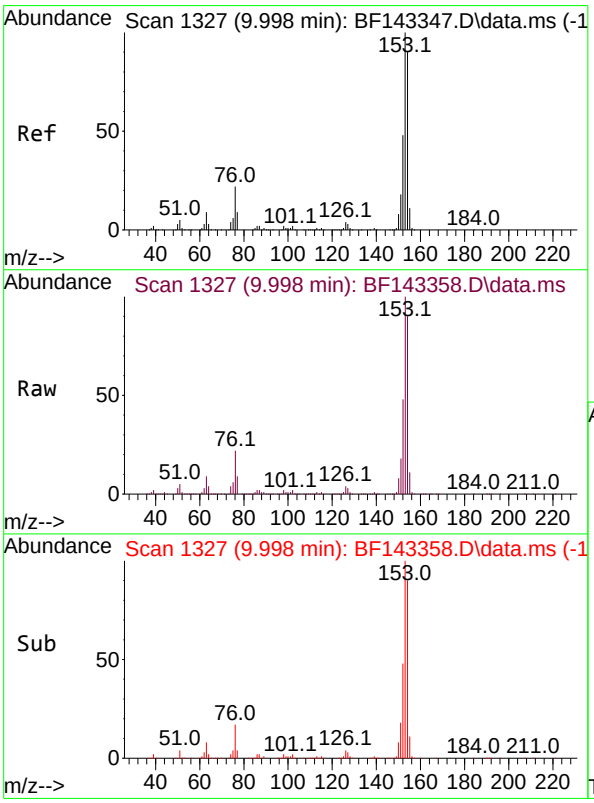
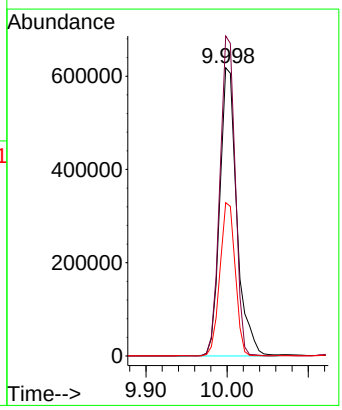
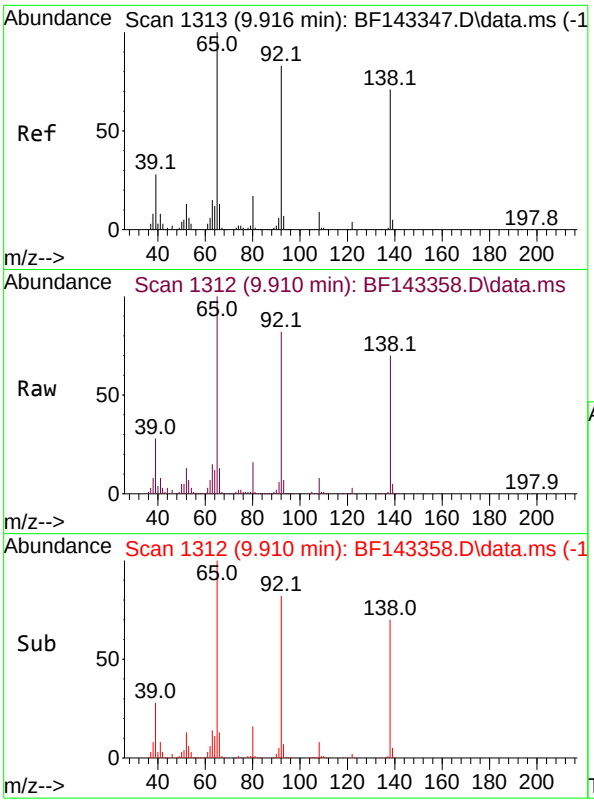


#52
Acenaphthene
Concen: 46.230 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:154 Resp: 906682

Ion	Ratio	Lower	Upper
154	100		
153	111.0	88.5	132.7
152	53.2	42.4	63.6

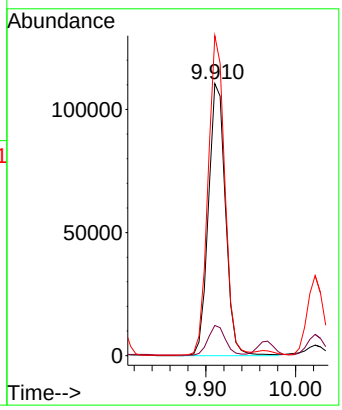




#53
3-Nitroaniline
Concen: 33.179 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:138 Resp: 14564

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.6	14.4
92	117.6	93.4	140.2



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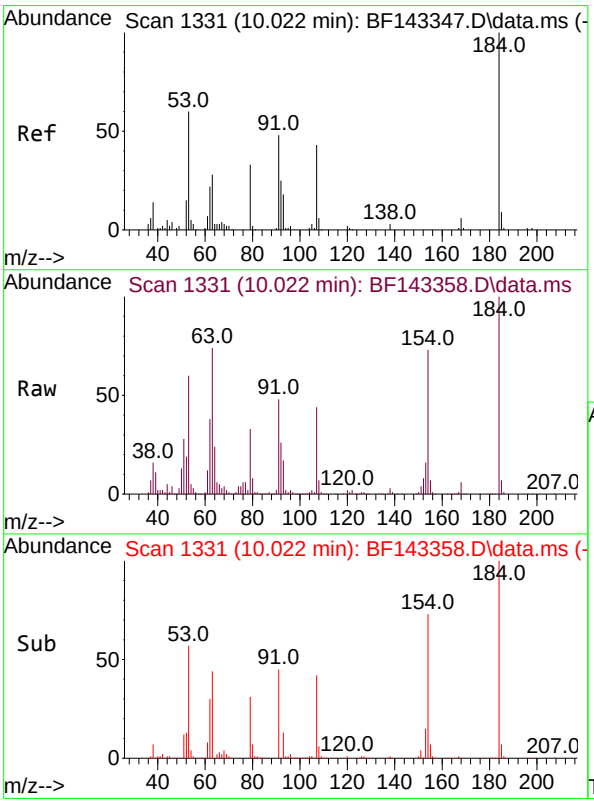
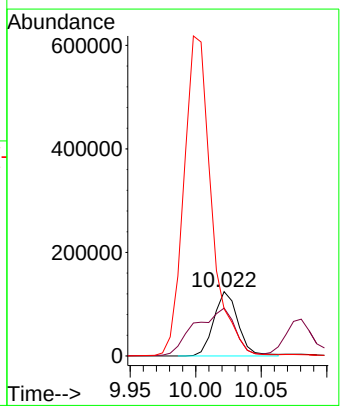
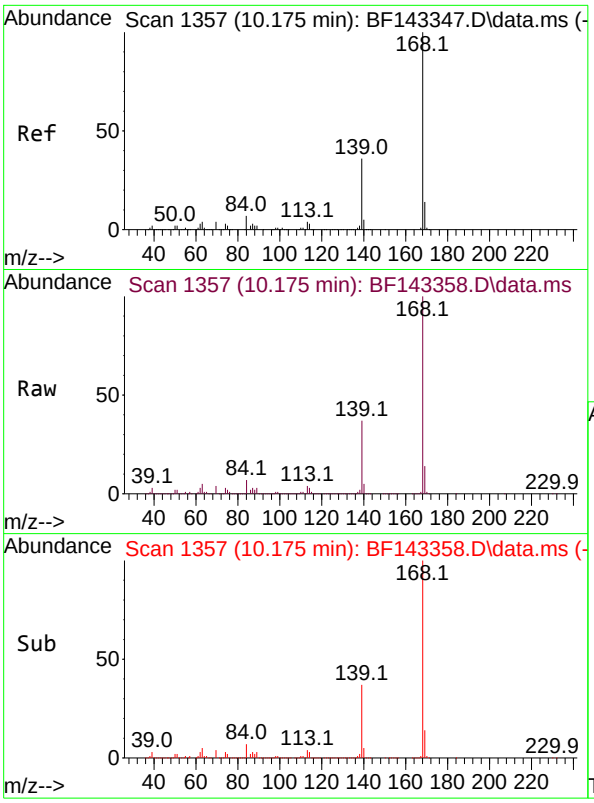


#54
2,4-Dinitrophenol
Concen: 88.430 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:184 Resp: 160114

Ion	Ratio	Lower	Upper
184	100		
63	74.5	62.5	93.7
154	73.0	73.0	109.4

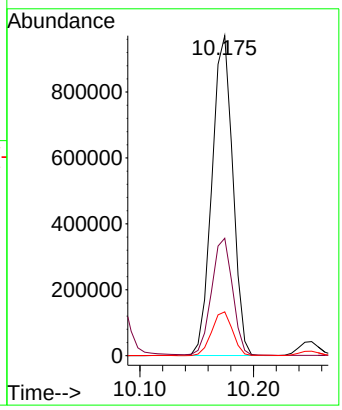




#55
Dibenzofuran
Concen: 43.730 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:168 Resp: 123433

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.4	44.0
169	13.7	11.0	16.6



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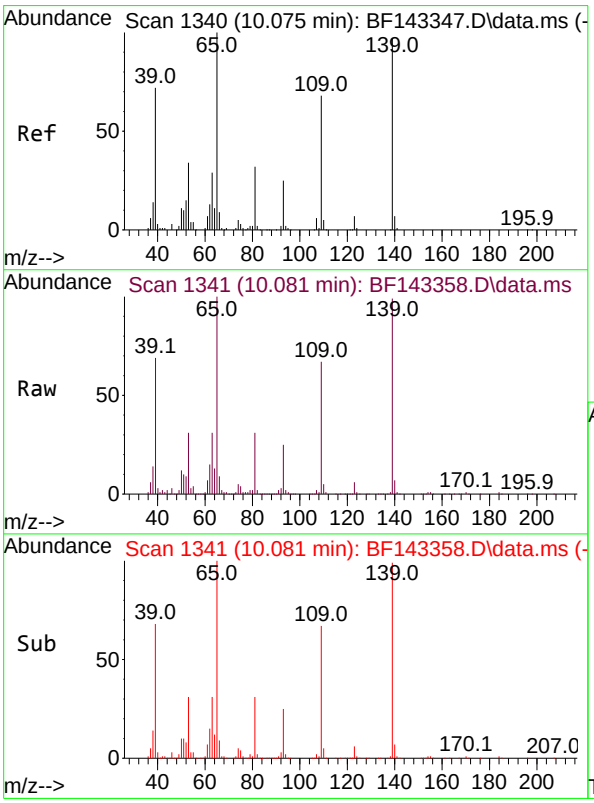
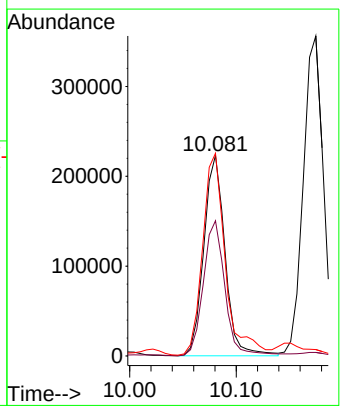
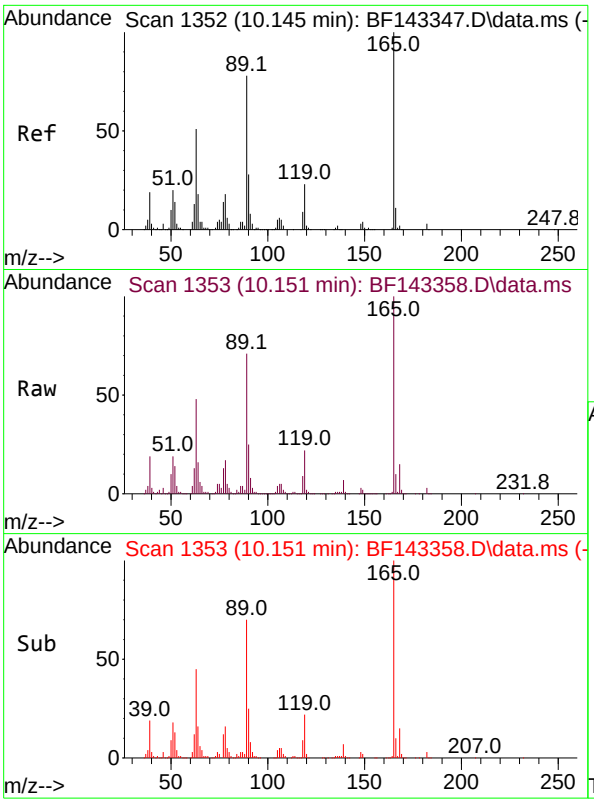


#56
4-Nitrophenol
Concen: 87.566 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:139 Resp: 309159

Ion	Ratio	Lower	Upper
139	100		
109	67.4	49.4	89.4
65	101.0	83.7	123.7

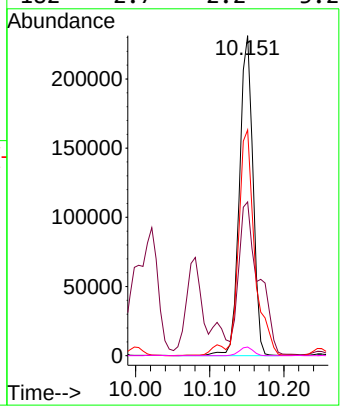




#57
2,4-Dinitrotoluene
Concen: 54.165 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:165 Resp: 29376

Ion	Ratio	Lower	Upper
165	100		
63	48.1	41.8	62.8
89	70.6	62.4	93.6
182	2.7	2.2	3.2



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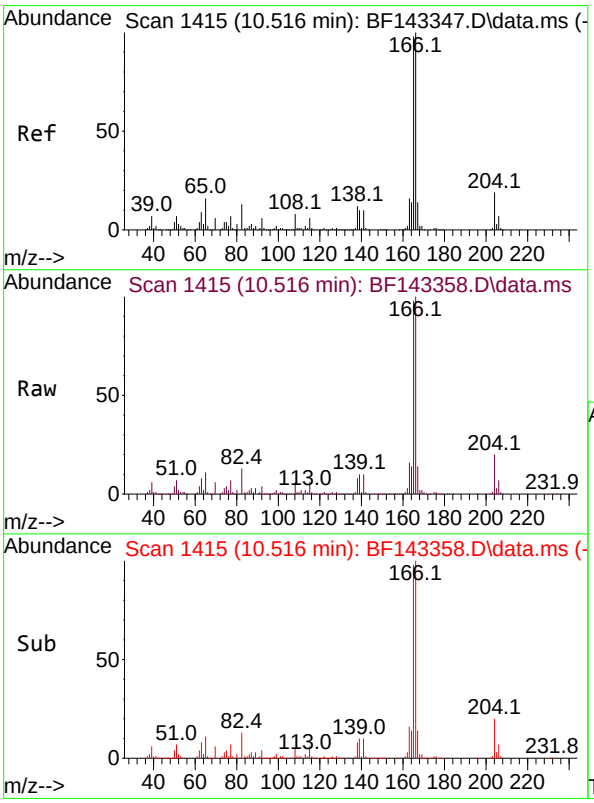
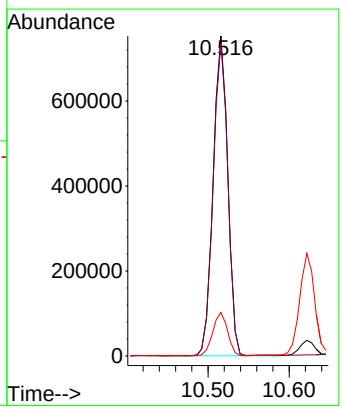
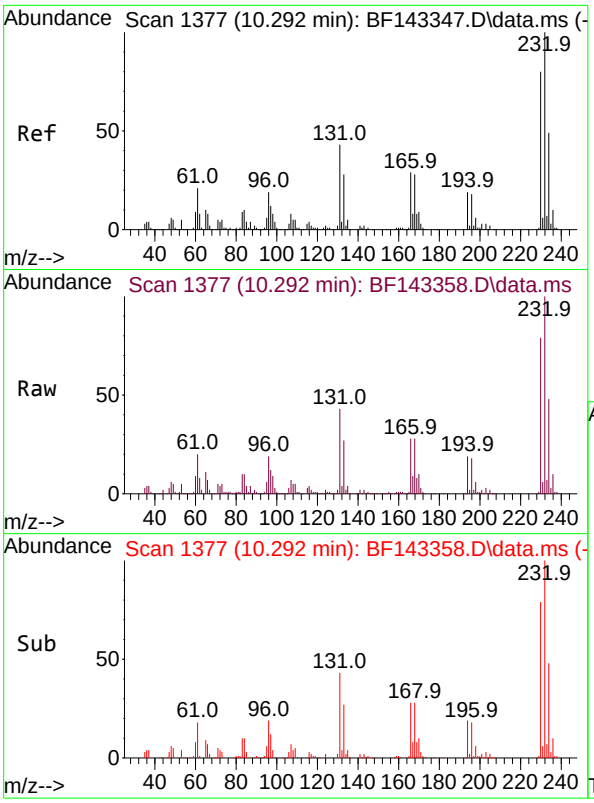


#58
Fluorene
Concen: 43.705 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:166 Resp: 942278

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.4
167	13.6	10.9	16.3

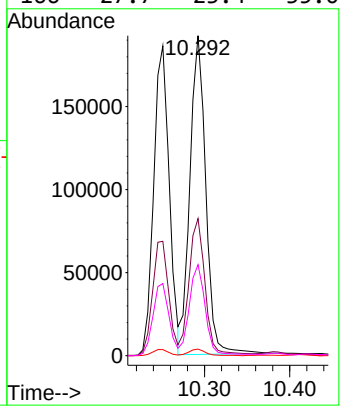




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.223 ng
RT: 10.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:232 Resp: 24810

Ion	Ratio	Lower	Upper
232	100		
131	43.7	34.6	51.8
130	2.2	1.7	2.5
166	27.7	23.4	35.0



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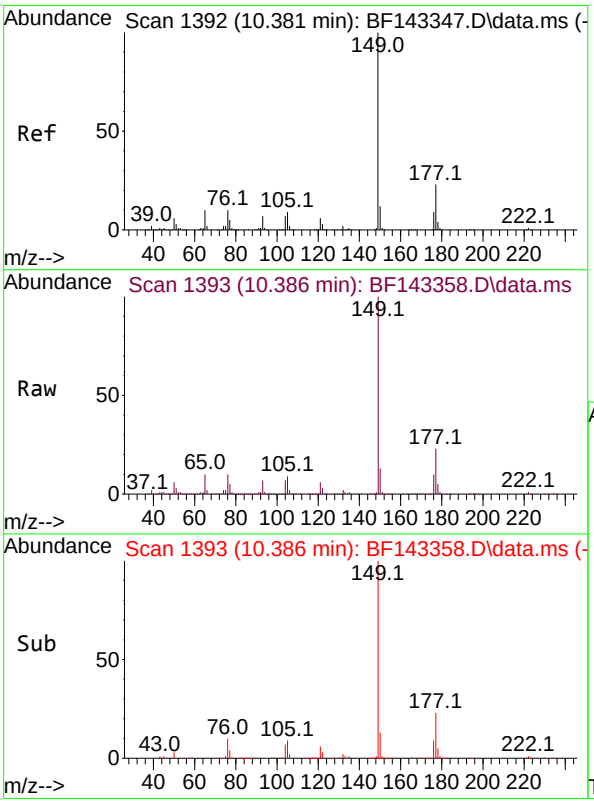
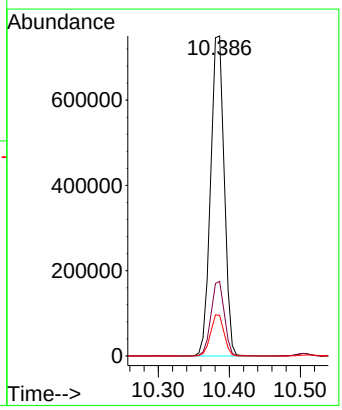
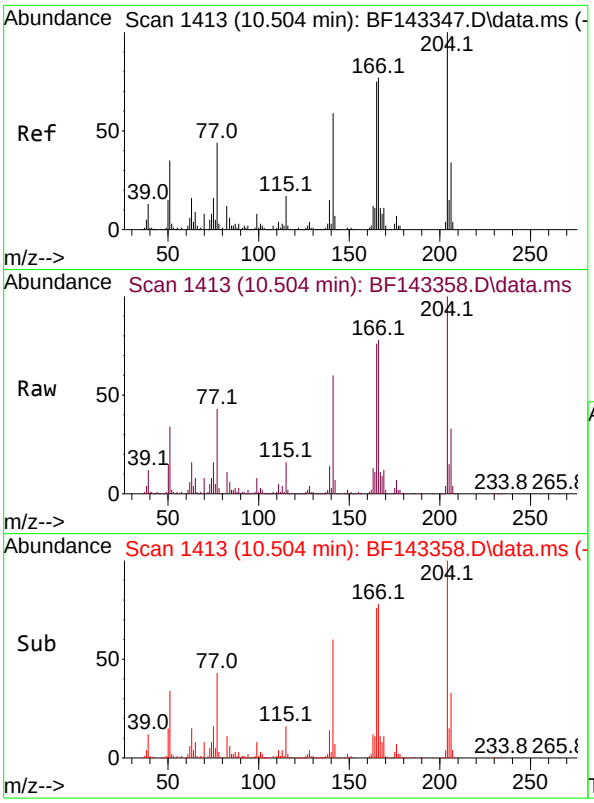


#60
Diethylphthalate
Concen: 52.077 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:149 Resp: 999890

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.2
150	12.7	9.9	14.9

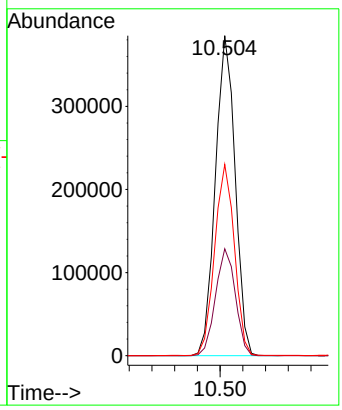




#61
4-Chlorophenyl-phenylether
Concen: 44.671 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:204 Resp: 46536

Ion	Ratio	Lower	Upper
204	100		
206	33.4	27.4	41.2
141	59.8	46.9	70.3



Instrument :
BNA_F
ClientSampleId :
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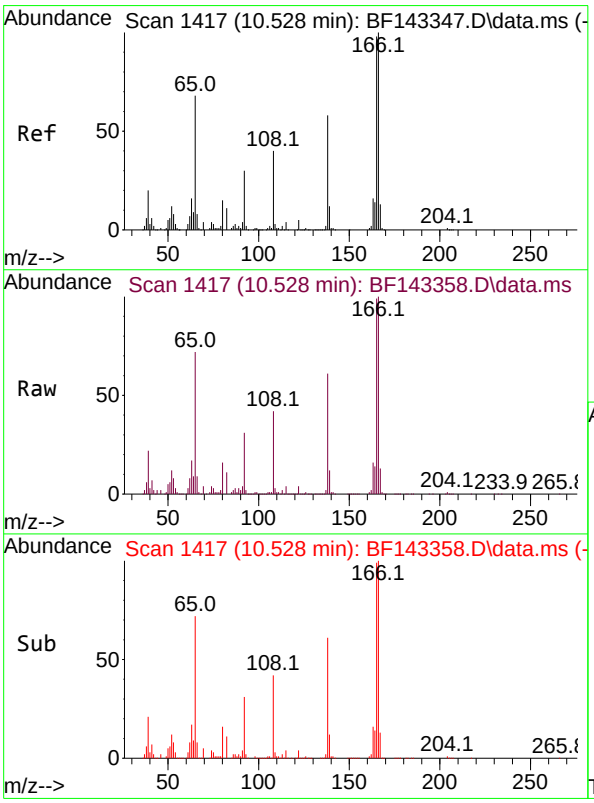
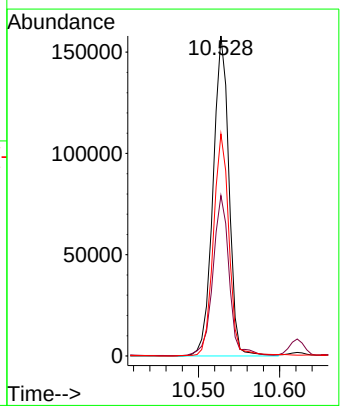
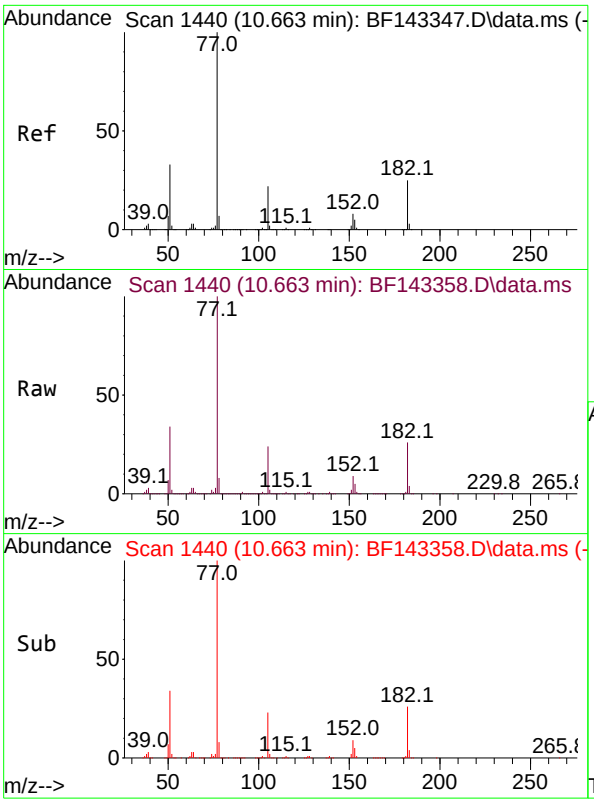


#62
4-Nitroaniline
Concen: 50.901 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:138 Resp: 216183

Ion	Ratio	Lower	Upper
138	100		
92	50.2	31.2	71.2
108	69.4	48.1	88.1

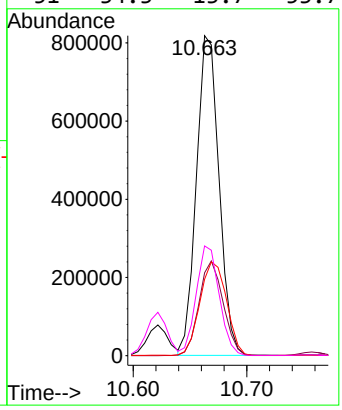




#63
Azobenzene
Concen: 51.653 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion: 77 Resp: 113277

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.4	44.4
105	23.9	1.8	41.8
51	34.3	13.7	53.7



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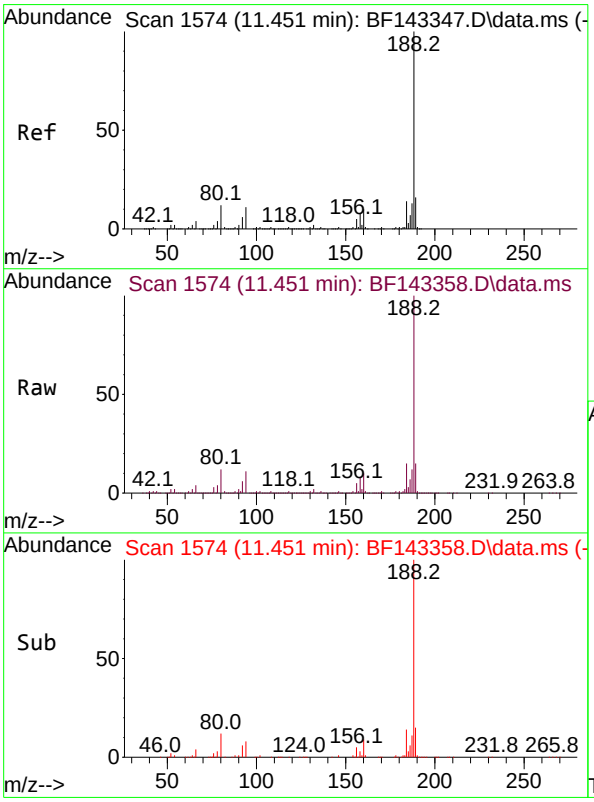
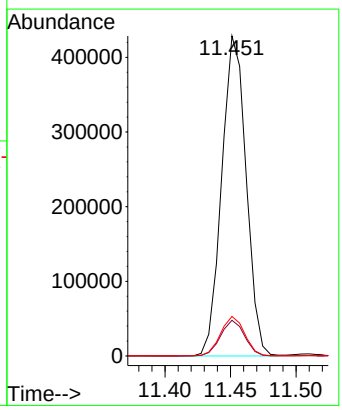
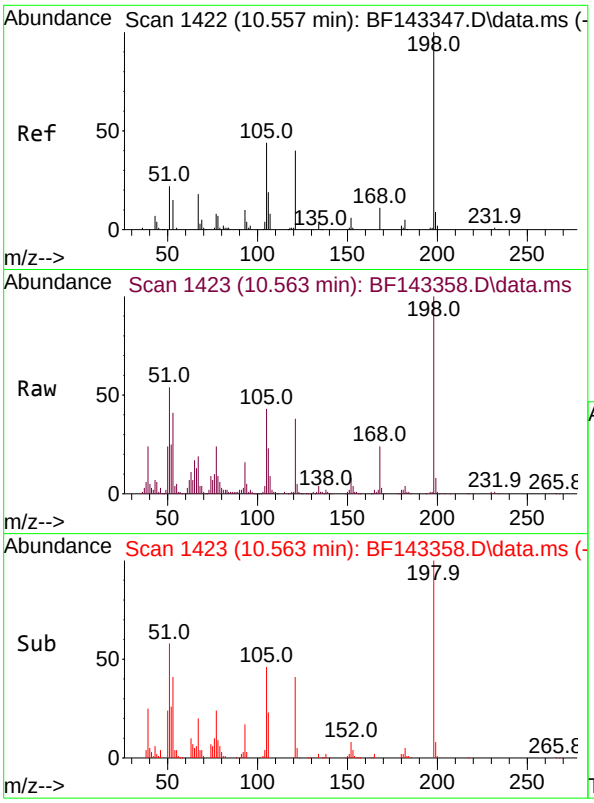


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:188 Resp: 555468

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.8	13.2
80	12.3	9.7	14.5

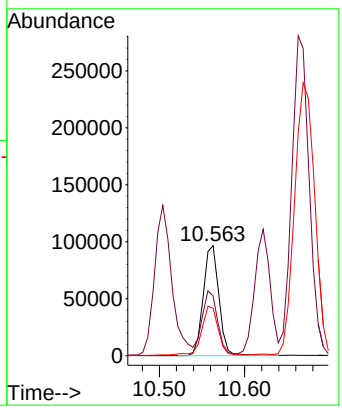




#65
4,6-Dinitro-2-methylphenol
Concen: 53.875 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:198 Resp: 12342

Ion	Ratio	Lower	Upper
198	100		
51	54.3	41.7	81.7
105	43.3	26.8	66.8



Instrument :
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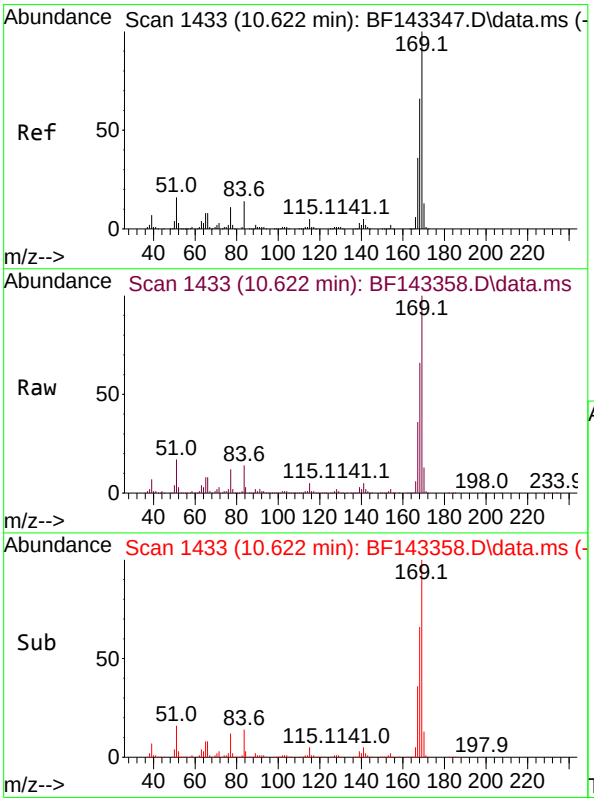
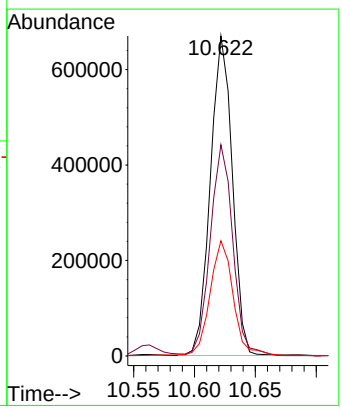
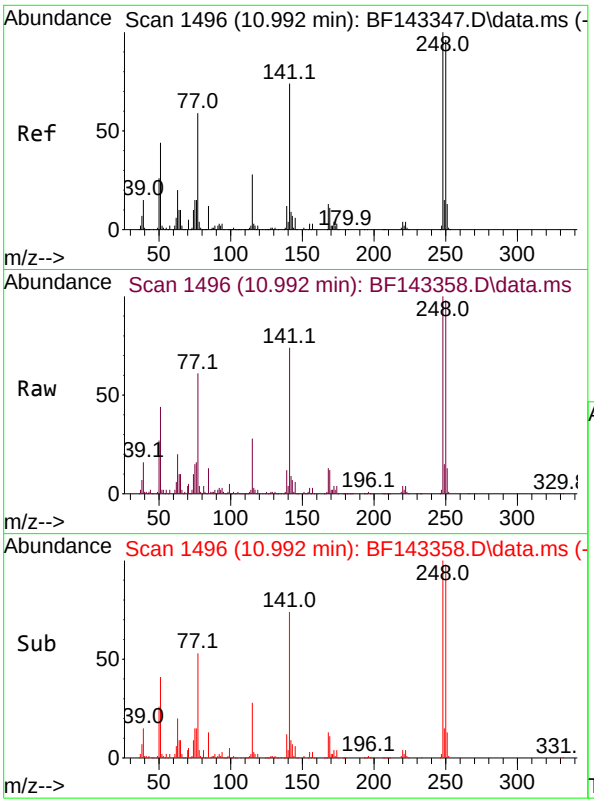


#66
n-Nitrosodiphenylamine
Concen: 45.891 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:169 Resp: 839356

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.7	79.1
167	36.0	28.6	42.8

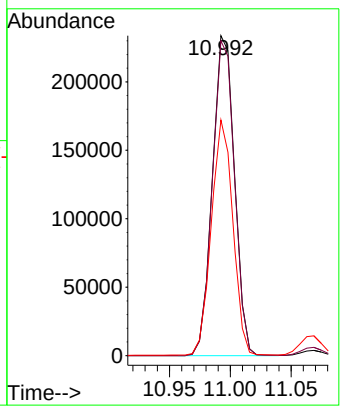




#67
4-Bromophenyl-phenylether
Concen: 46.598 ng
RT: 10.992 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:248 Resp: 29602(

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.1	115.7
141	73.7	59.1	88.7



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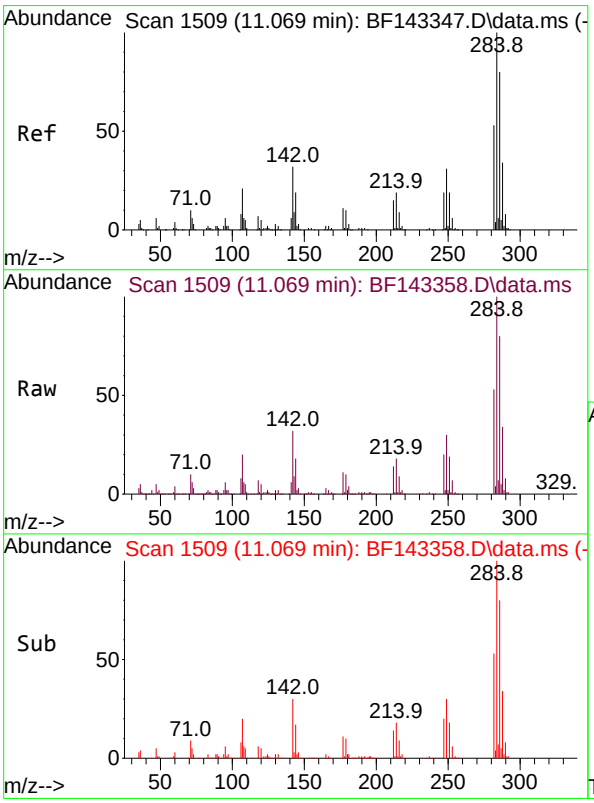
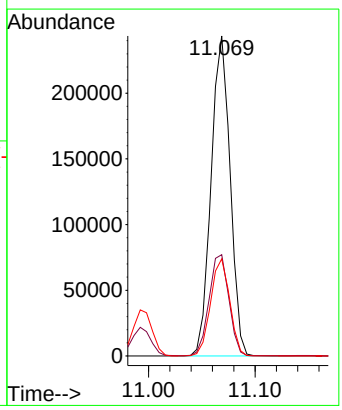
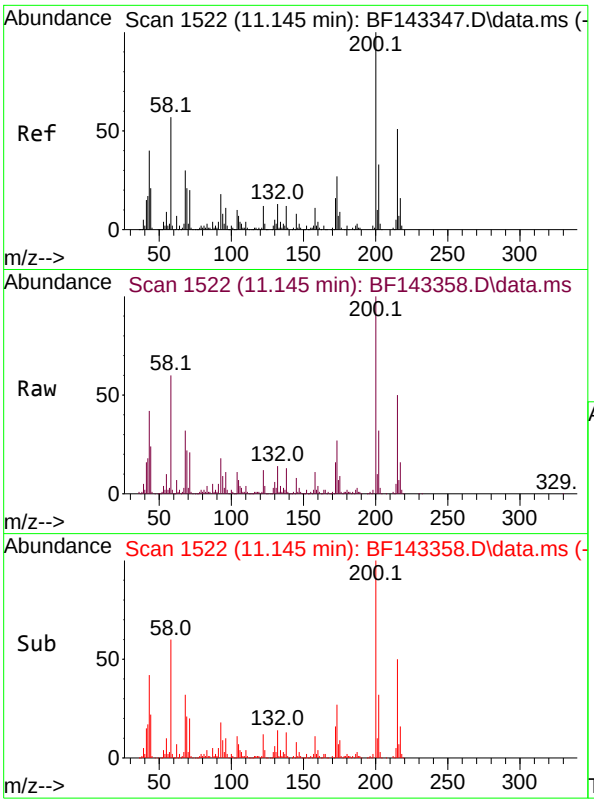


#68
Hexachlorobenzene
Concen: 44.139 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:284 Resp: 302252

Ion	Ratio	Lower	Upper
284	100		
142	31.6	25.7	38.5
249	30.4	24.6	37.0

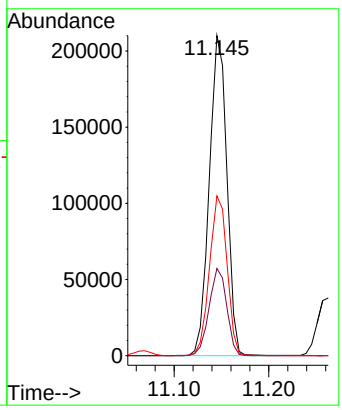




#69
Atrazine
Concen: 56.724 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:200 Resp: 27060

Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.6	46.6
215	49.9	30.6	70.6



Instrument :
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ClientSampleId :
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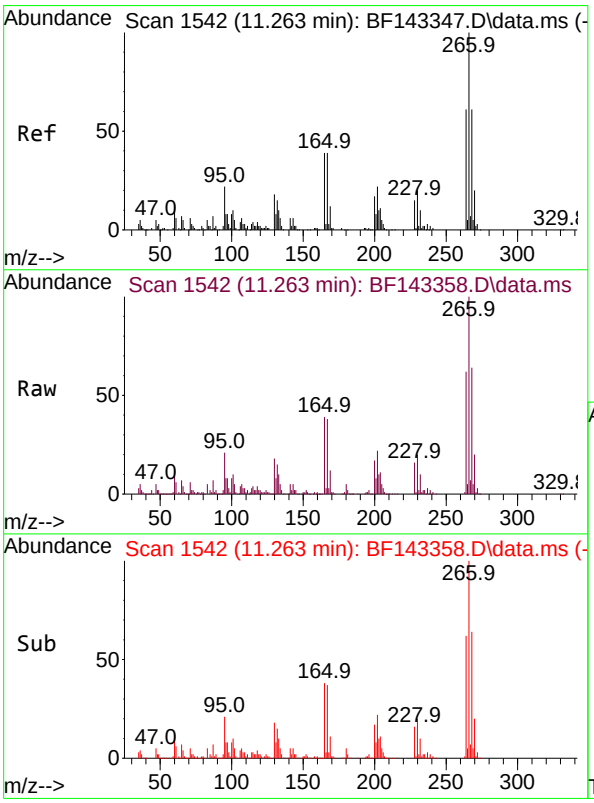
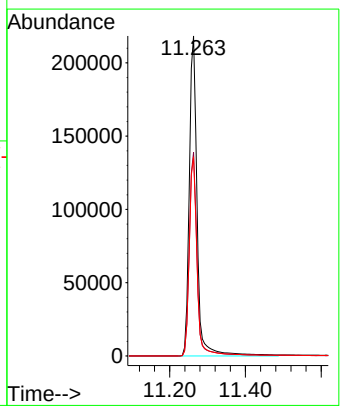
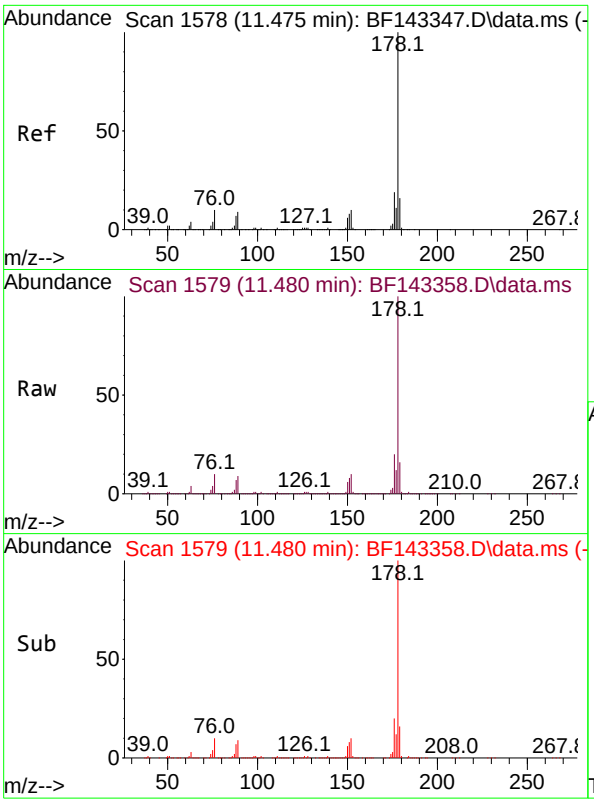


#70
Pentachlorophenol
Concen: 92.681 ng
RT: 11.263 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:266 Resp: 314047

Ion	Ratio	Lower	Upper
266	100		
268	63.6	48.8	73.2
264	62.3	48.8	73.2

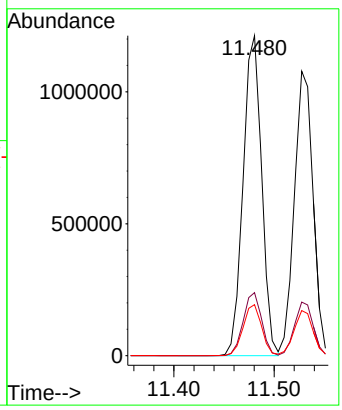




#71
Phenanthrene
Concen: 51.559 ng
RT: 11.480 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:178 Resp: 156255

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	16.0	12.5	18.7



Instrument :
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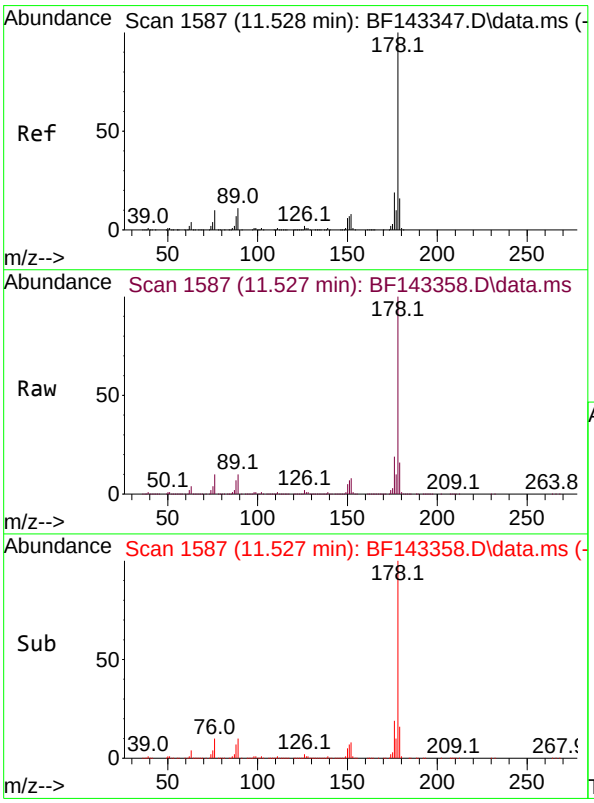
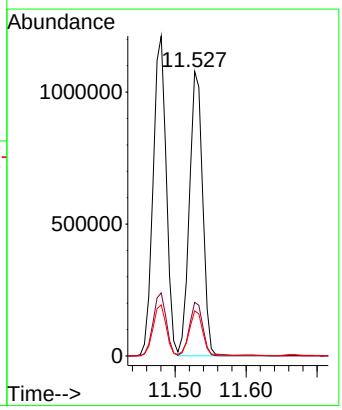
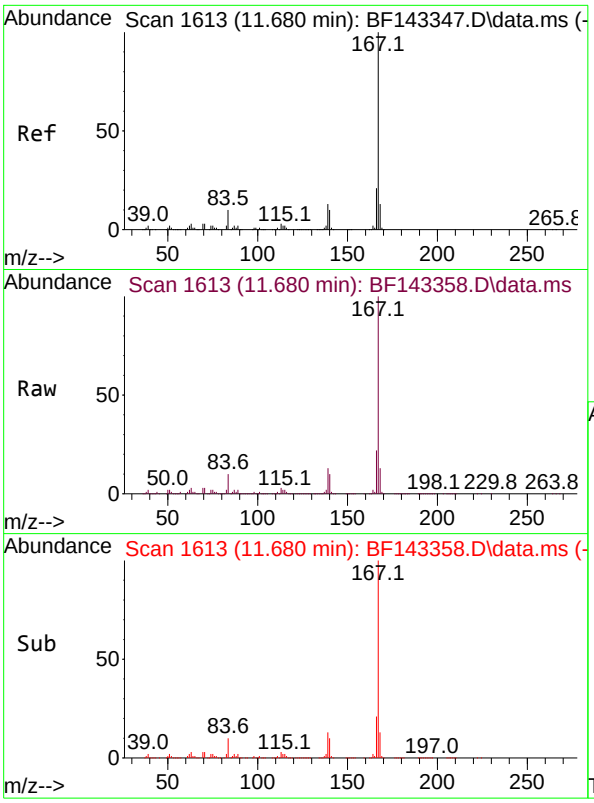


#72
Anthracene
Concen: 45.520 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:178 Resp: 1399057

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.9	12.7	19.1

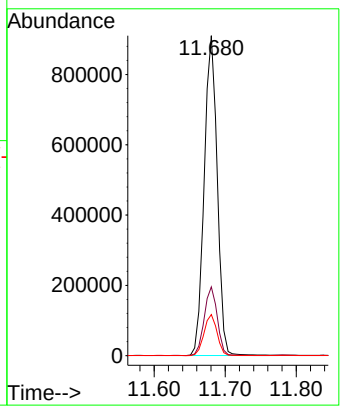




#73
Carbazole
Concen: 44.502 ng
RT: 11.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:167 Resp: 116485

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	12.9	10.2	15.2



Instrument :
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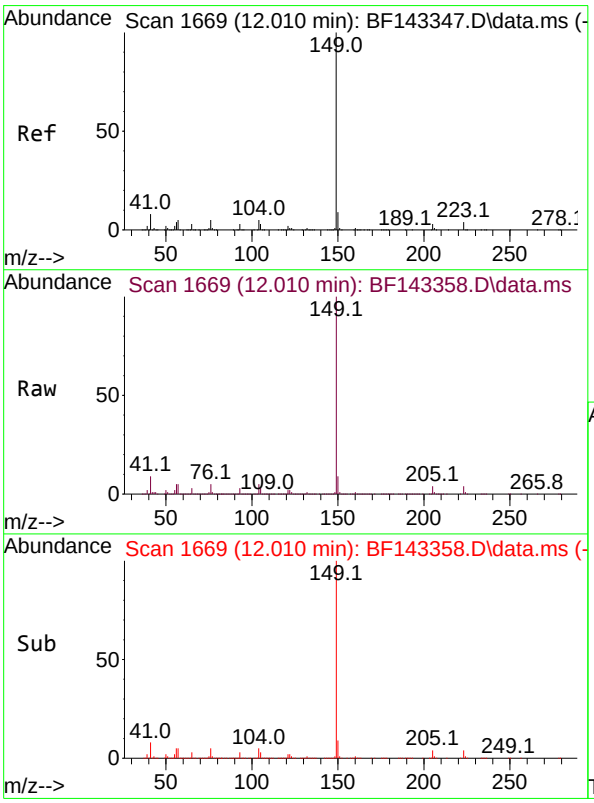
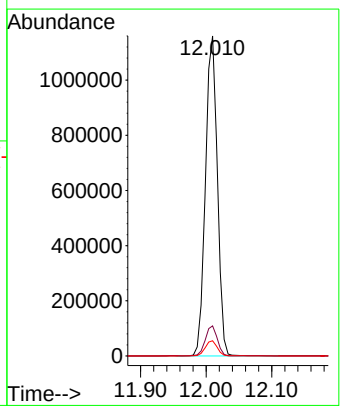
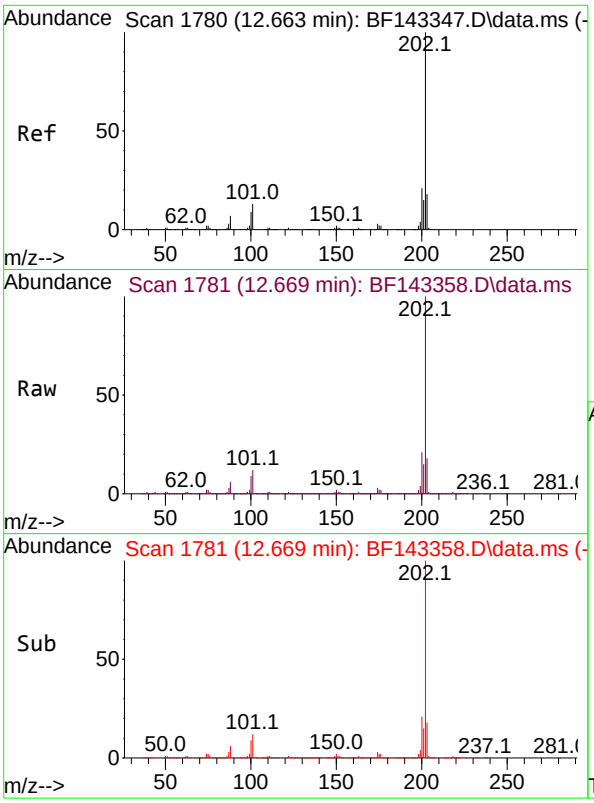


#74
Di-n-butylphthalate
Concen: 66.224 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:149 Resp: 1466852

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	4.7	3.8	5.8

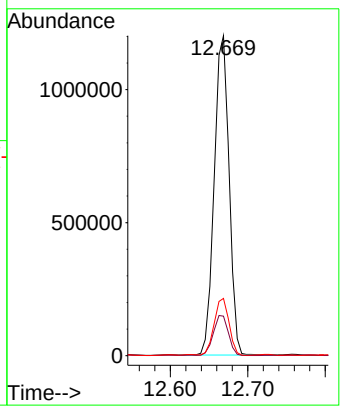




#75
Fluoranthene
Concen: 60.145 ng
RT: 12.669 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:202 Resp: 159666

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.9	0.0	37.6



Instrument :
BNA_F
ClientSampleId :
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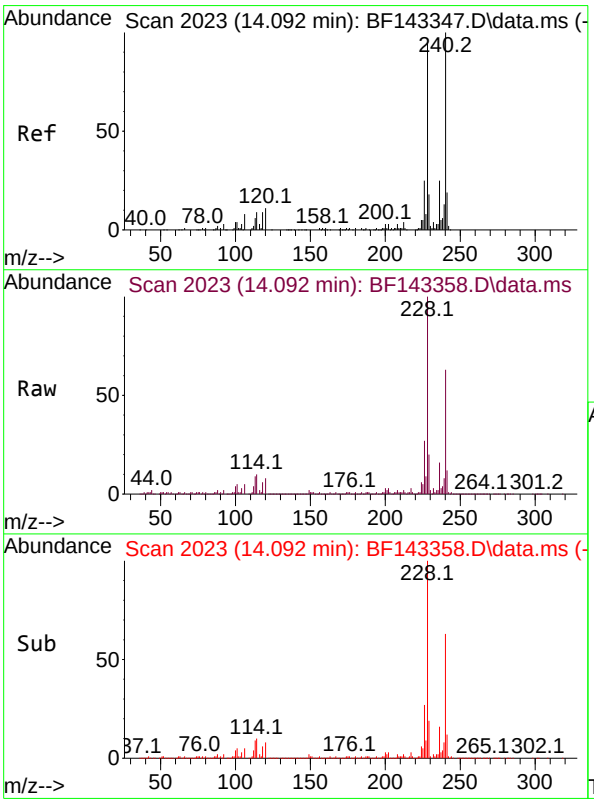
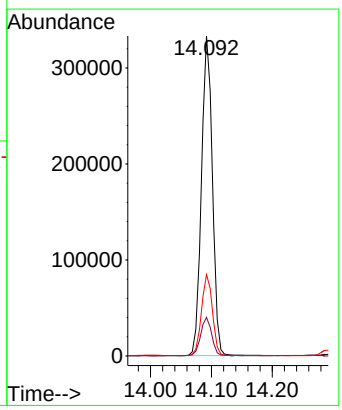
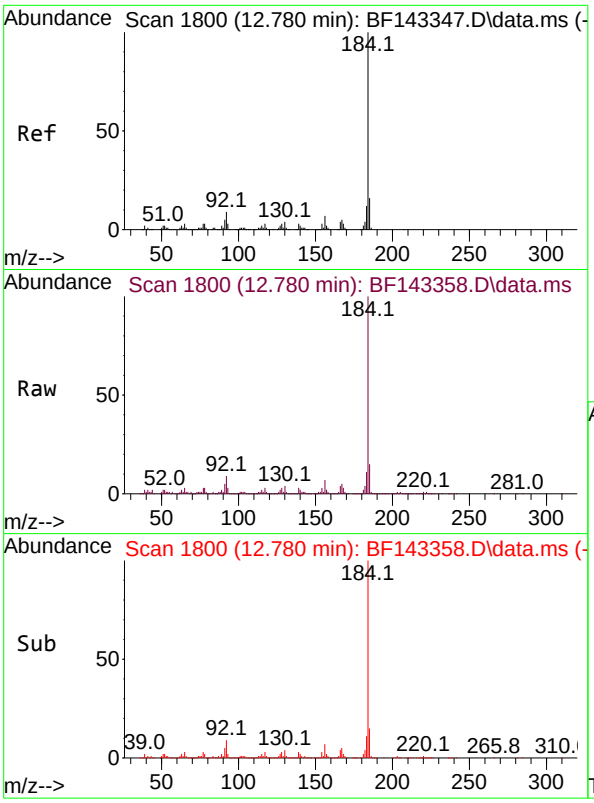


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:240 Resp: 416428

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.0	13.6
236	25.4	19.9	29.9

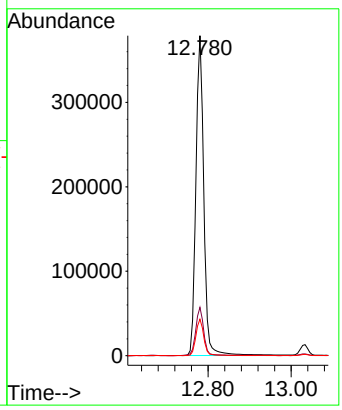




#77
Benzidine
Concen: 44.163 ng
RT: 12.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:184 Resp: 50278

Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.8	19.2
183	11.4	9.3	13.9



Instrument :
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ClientSampleId :
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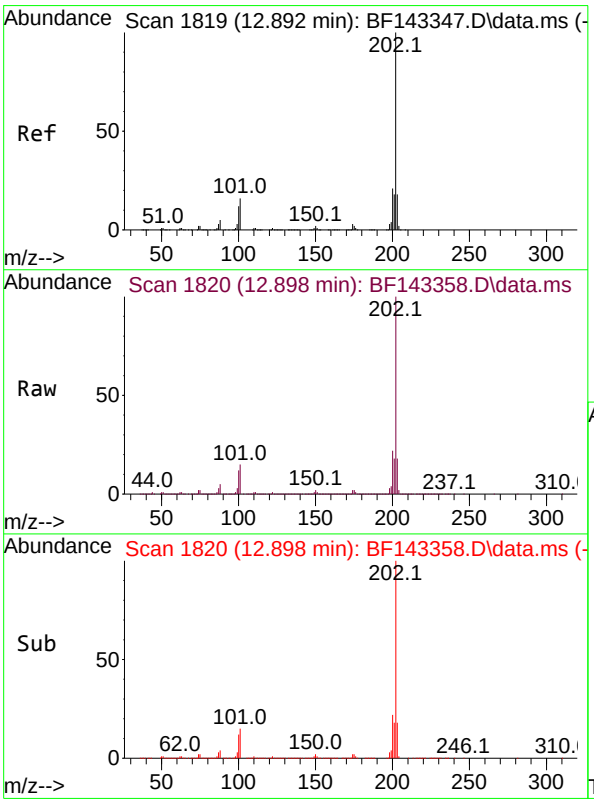
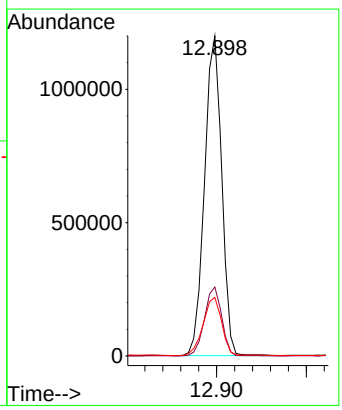
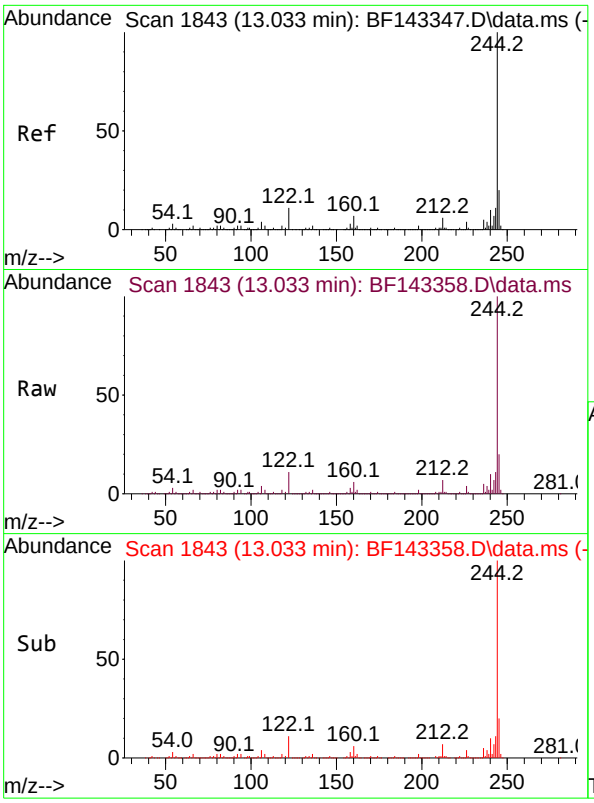


#78
Pyrene
Concen: 45.632 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:202 Resp: 1594136

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.3	14.2	21.4

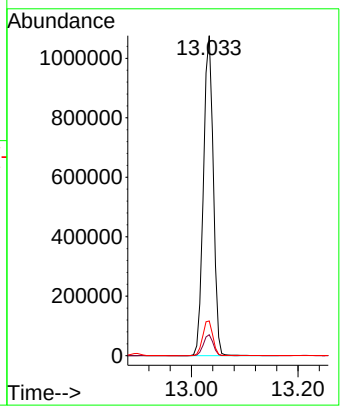




#79
Terphenyl-d14
Concen: 59.099 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:244 Resp: 137846

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.1	7.7
122	10.9	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
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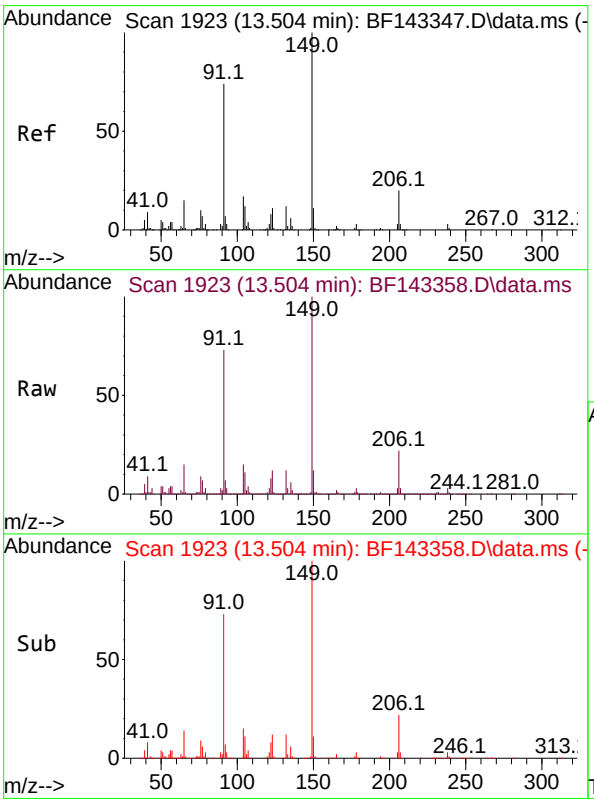
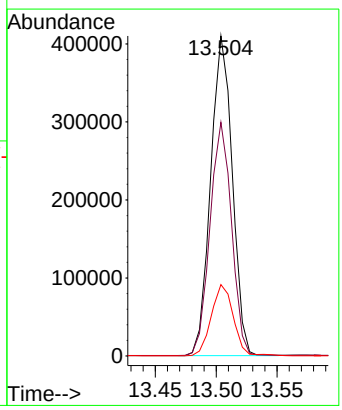
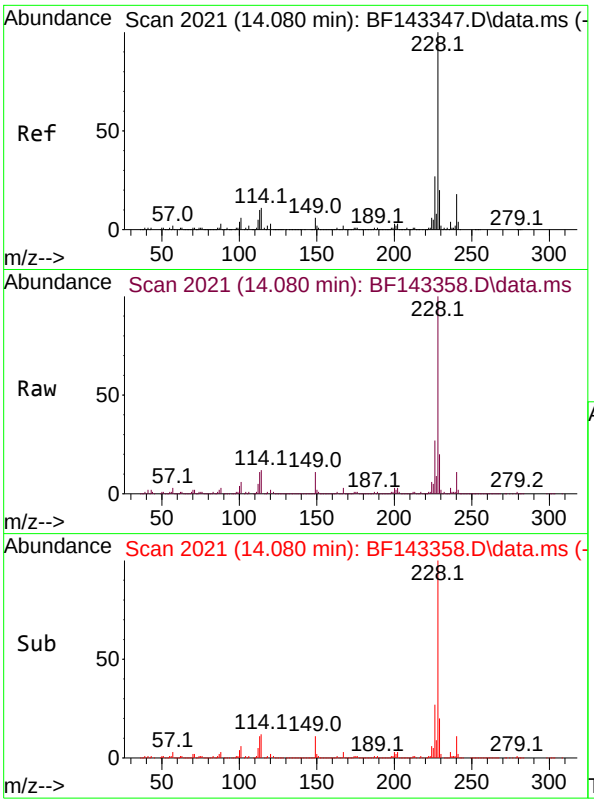


#80
Butylbenzylphthalate
Concen: 71.821 ng
RT: 13.504 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:149 Resp: 508159

Ion	Ratio	Lower	Upper
149	100		
91	73.0	58.8	88.2
206	22.3	16.4	24.6

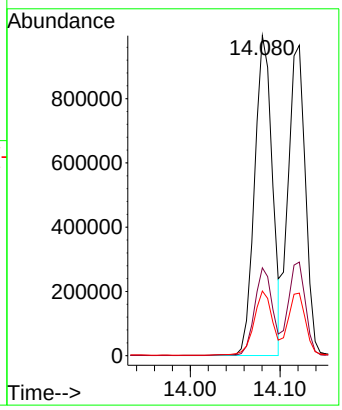




#81
Benzo(a)anthracene
Concen: 51.634 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:228 Resp: 136663

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	20.2	15.8	23.8



Instrument :
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ClientSampleId :
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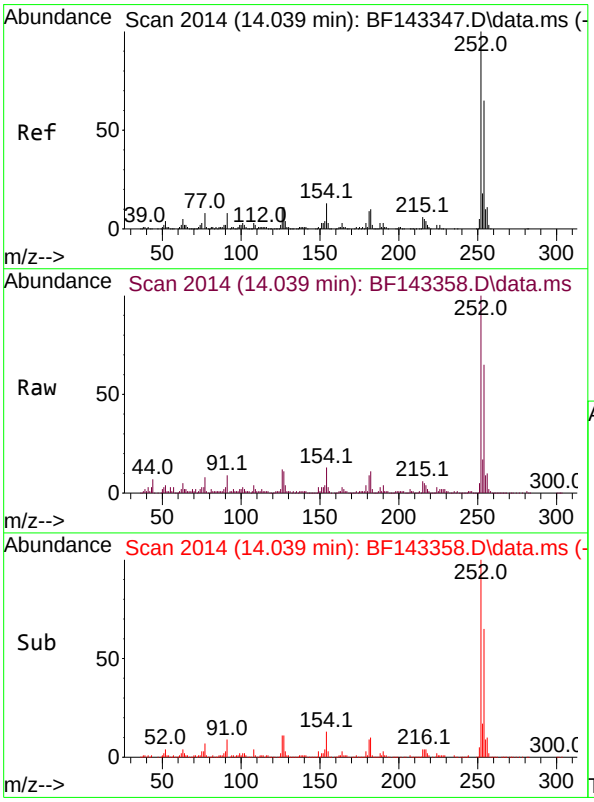
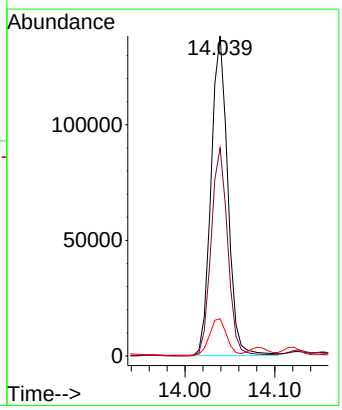
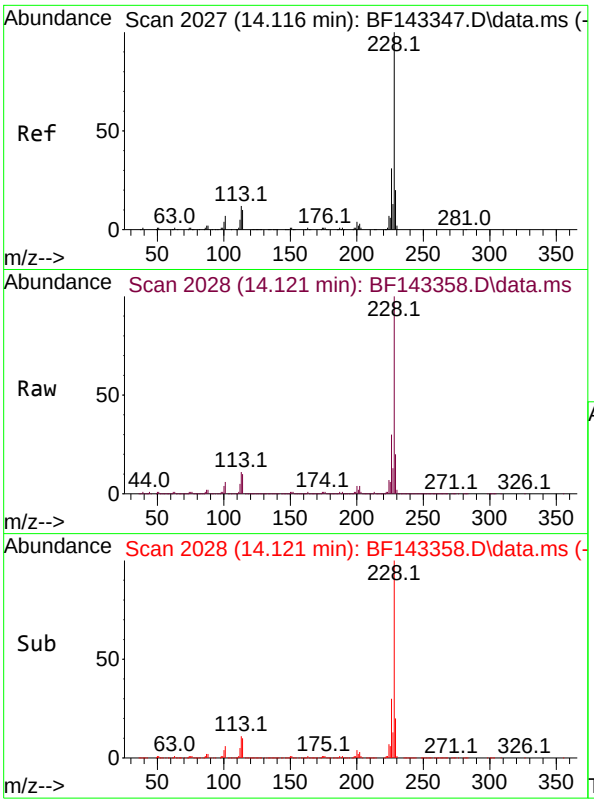


#82
3,3'-Dichlorobenzidine
Concen: 25.060 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:252 Resp: 179105

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.7	77.5
126	11.7	9.2	13.8

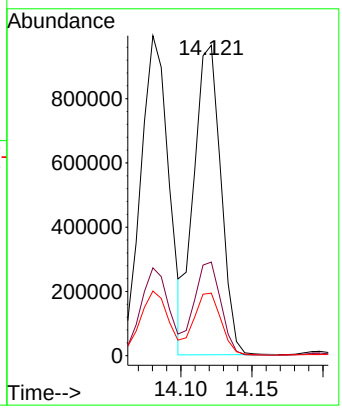




#83
Chrysene
Concen: 51.602 ng
RT: 14.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:228 Resp: 127352

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	20.2	15.8	23.6



Instrument :
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ClientSampleId :
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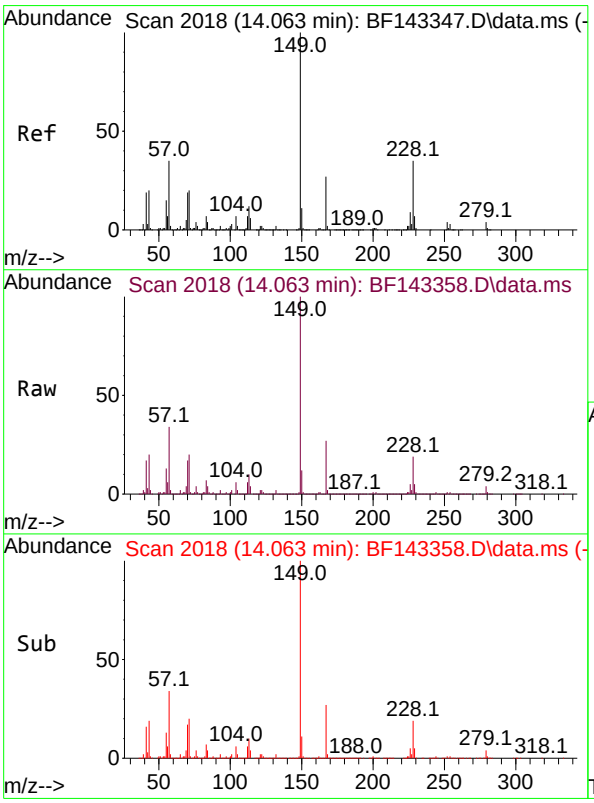
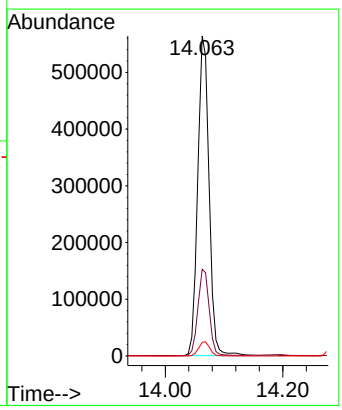
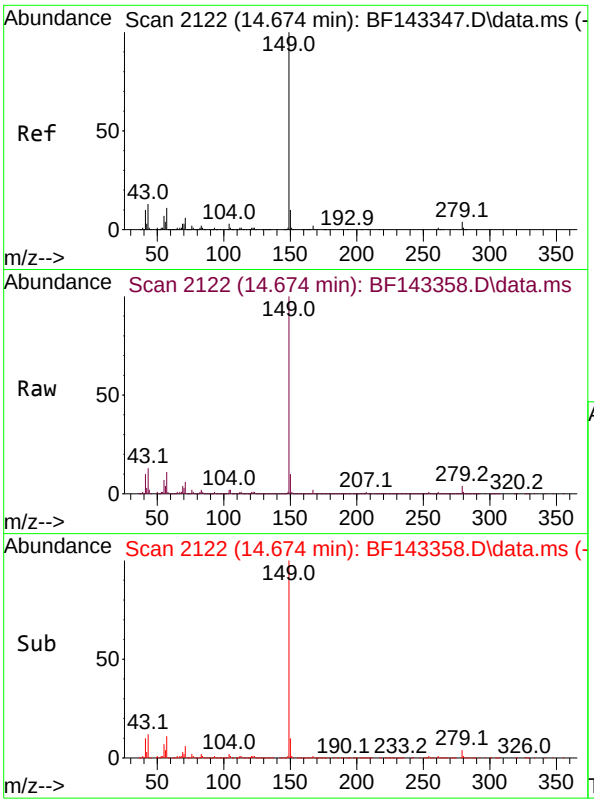


#84
Bis(2-ethylhexyl)phthalate
Concen: 72.006 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:149 Resp: 753262

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.3	3.2	4.8

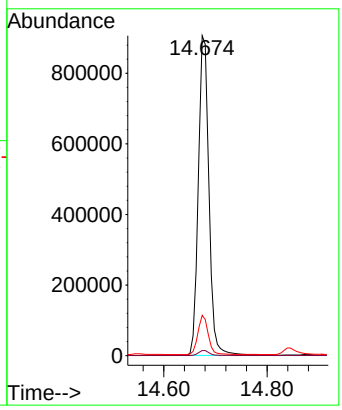




#85
Di-n-octyl phthalate
Concen: 61.853 ng
RT: 14.674 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:149 Resp: 129069

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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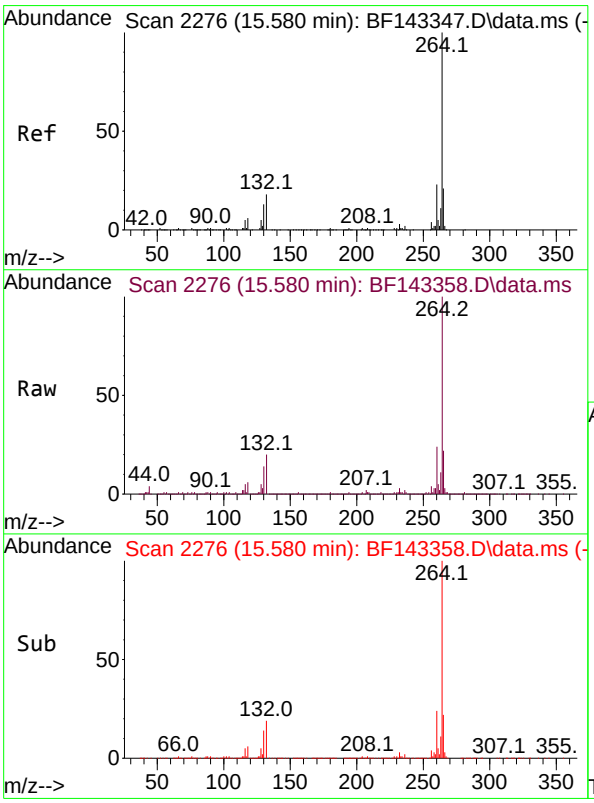
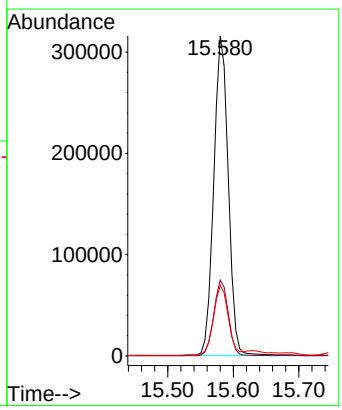
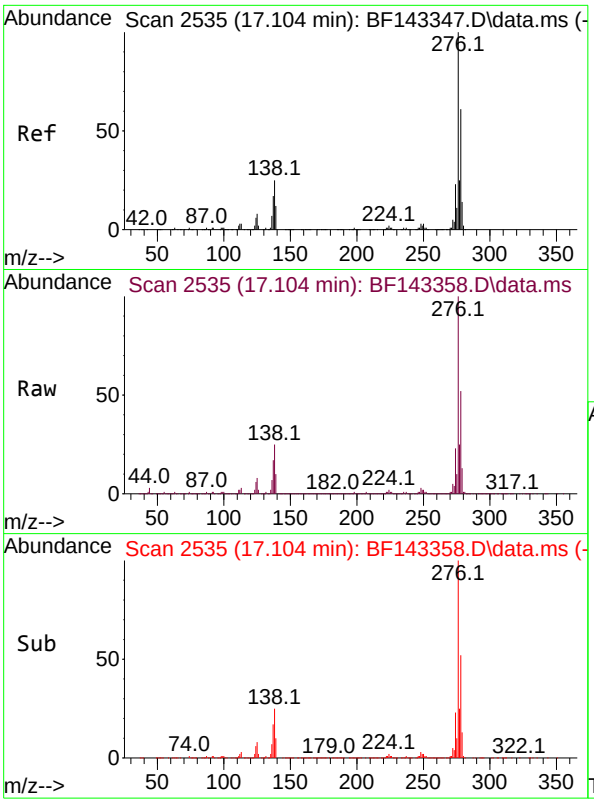


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:264 Resp: 485253

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.0	17.2	25.8

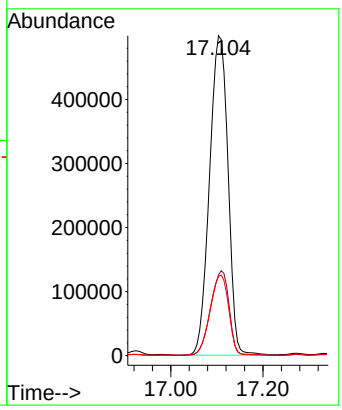




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.060 ng
RT: 17.104 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:276 Resp: 139267

Ion	Ratio	Lower	Upper
276	100		
138	26.4	21.1	31.7
277	25.3	20.2	30.2



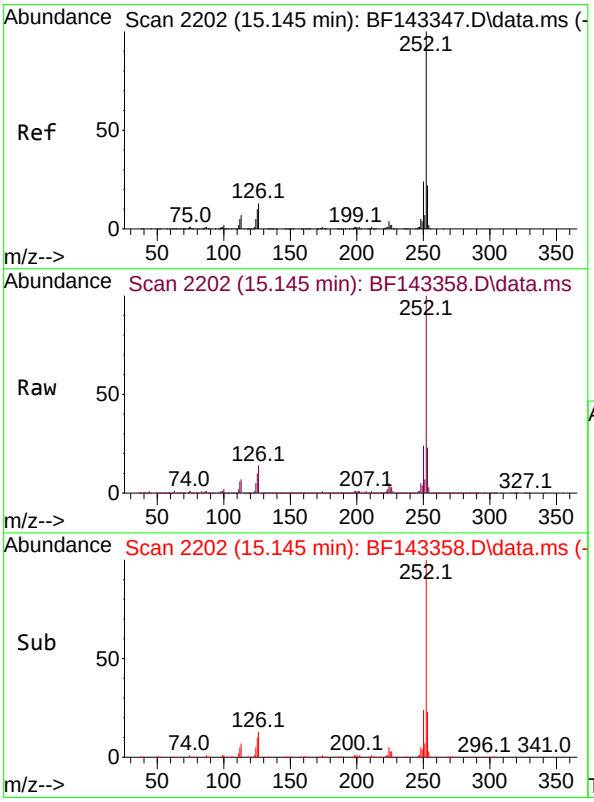
Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

08/13/2025
Supervised By :Jagrut Upadhyay

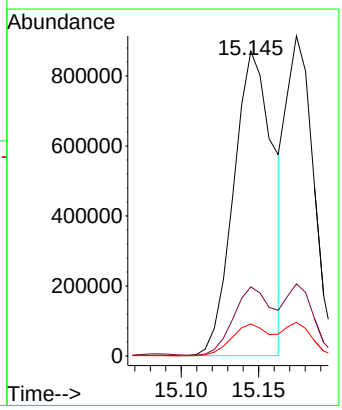
08/13/2025

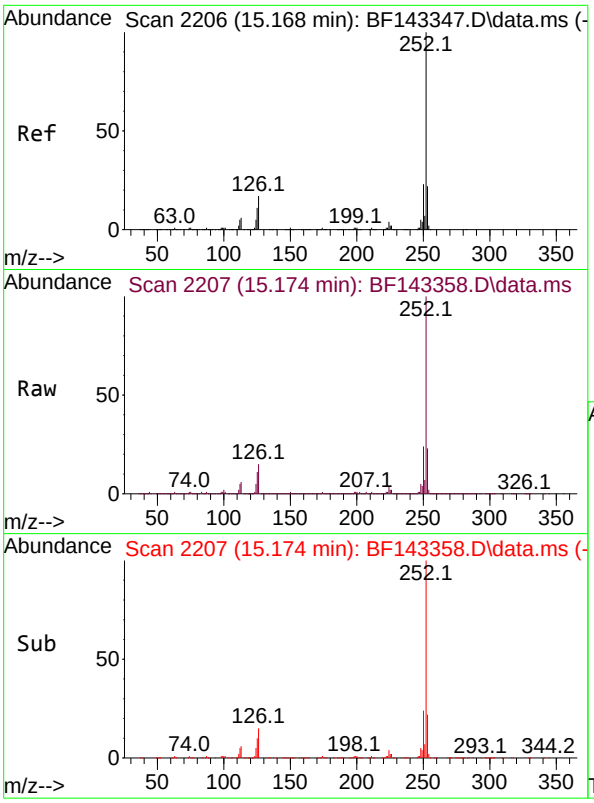


#88
Benzo(b)fluoranthene
Concen: 57.868 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:252 Resp: 1535888

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.5	7.8	11.6

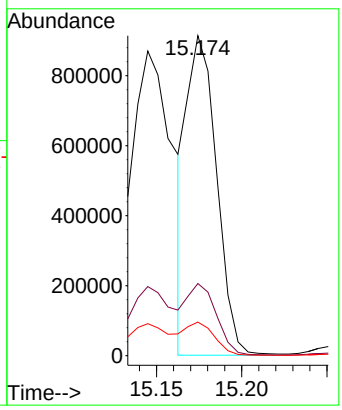




#89
Benzo(k)fluoranthene
Concen: 43.509 ng
RT: 15.174 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:252 Resp: 112209

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

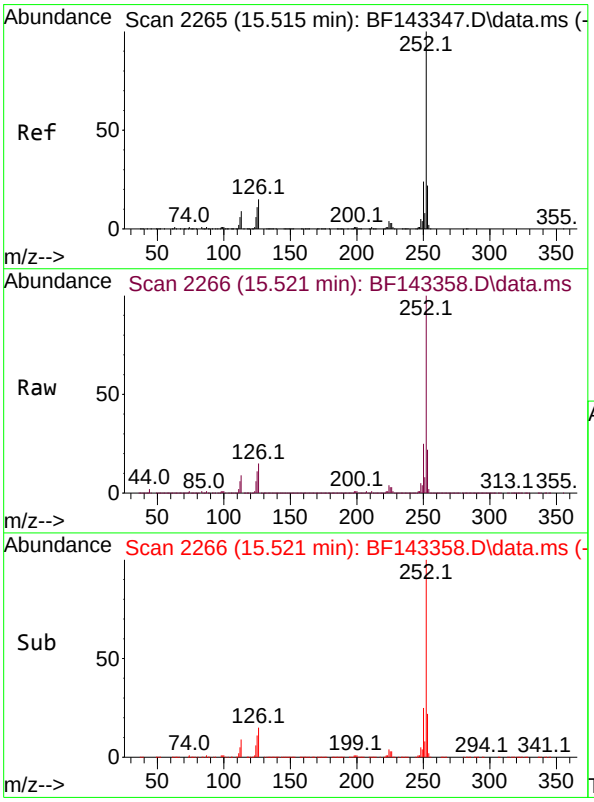
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

08/13/2025

Supervised By :Jagrut Upadhyay

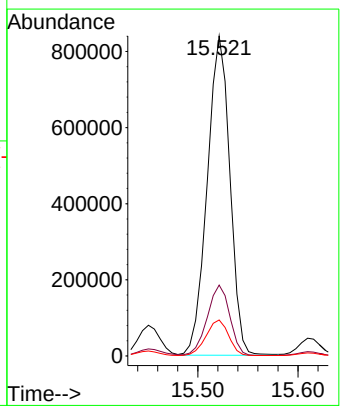
08/13/2025

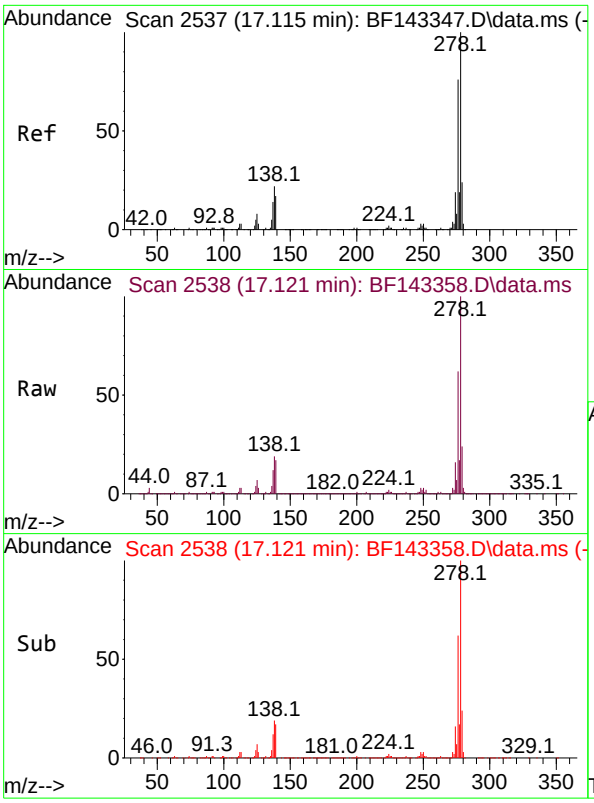


#90
Benzo(a)pyrene
Concen: 52.856 ng
RT: 15.521 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:252 Resp: 1321279

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	11.3	9.1	13.7

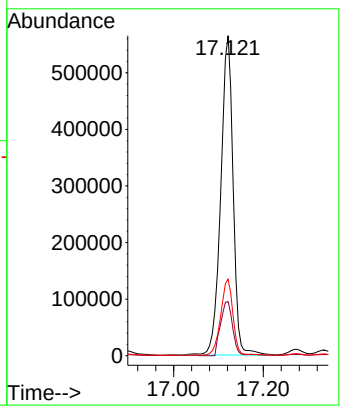




#91
Dibenzo(a,h)anthracene
Concen: 39.066 ng
RT: 17.121 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:278 Resp: 108499

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.0	21.0
279	23.9	19.4	29.0



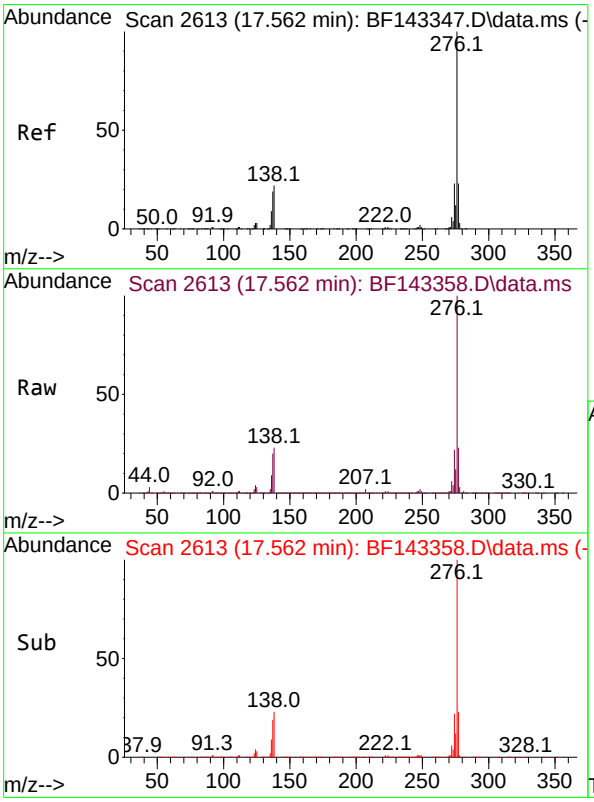
Instrument :
BNA_F
ClientSampleId :
COMP-6MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

08/13/2025
Supervised By :Jagrut Upadhyay

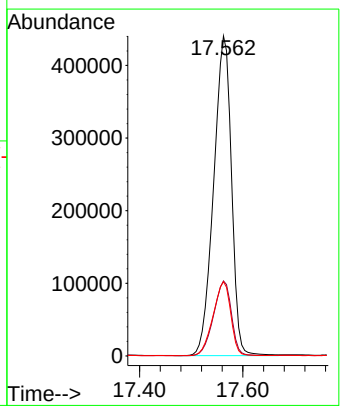
08/13/2025



#92
Benzo(g,h,i)perylene
Concen: 37.632 ng
RT: 17.562 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF143358.D
Acq: 12 Aug 2025 17:32

Tgt Ion:276 Resp: 1052897

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	23.2	17.8	26.8



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

Manual Integration Report

Sequence:	BF081225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF143345.D	Benzoic acid	Rahul	8/13/2025 8:58:28 AM	Jagrut	8/13/2025 11:10:31 AM	Peak Integrated by Software
PB169189BS	BF143353.D	Caprolactam	Rahul	8/13/2025 8:58:40 AM	Jagrut	8/13/2025 11:10:34 AM	Peak Integrated by Software
Q2807-02	BF143354.D	Benzo(b)fluoranthene	Rahul	8/13/2025 8:58:43 AM	Jagrut	8/13/2025 11:10:36 AM	Peak Integrated by Software
Q2807-02	BF143354.D	Chrysene	Rahul	8/13/2025 8:58:43 AM	Jagrut	8/13/2025 11:10:36 AM	Peak Integrated by Software
Q2807-03	BF143356.D	Benzo(b)fluoranthene	Rahul	8/13/2025 8:58:45 AM	Jagrut	8/13/2025 11:10:39 AM	Peak Integrated by Software
Q2807-03	BF143356.D	Benzo(k)fluoranthene	Rahul	8/13/2025 8:58:45 AM	Jagrut	8/13/2025 11:10:39 AM	Peak Integrated by Software
Q2807-03MSD	BF143358.D	Caprolactam	Rahul	8/13/2025 8:58:48 AM	Jagrut	8/13/2025 11:10:41 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM				
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM				
SubDirectory	BF081225	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143342.D	12 Aug 2025 08:34	RC/JU	Ok
2	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03	RC/JU	Ok
3	SSTDICC005	BF143344.D	12 Aug 2025 09:34	RC/JU	Ok
4	SSTDICC010	BF143345.D	12 Aug 2025 10:04	RC/JU	Ok,M
5	SSTDICC020	BF143346.D	12 Aug 2025 10:35	RC/JU	Ok
6	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	RC/JU	Ok
7	SSTDICC050	BF143348.D	12 Aug 2025 11:37	RC/JU	Ok
8	SSTDICC060	BF143349.D	12 Aug 2025 12:07	RC/JU	Ok
9	SSTDICC080	BF143350.D	12 Aug 2025 12:38	RC/JU	Ok
10	SSTDICV040	BF143351.D	12 Aug 2025 13:52	RC/JU	Ok
11	PB169189BL	BF143352.D	12 Aug 2025 14:22	RC/JU	Ok
12	PB169189BS	BF143353.D	12 Aug 2025 14:53	RC/JU	Ok,M
13	Q2807-02	BF143354.D	12 Aug 2025 15:33	RC/JU	Ok,M
14	Q2807-01	BF143355.D	12 Aug 2025 16:02	RC/JU	Ok
15	Q2807-03	BF143356.D	12 Aug 2025 16:32	RC/JU	Ok,M
16	Q2807-03MS	BF143357.D	12 Aug 2025 17:02	RC/JU	Ok
17	Q2807-03MSD	BF143358.D	12 Aug 2025 17:32	RC/JU	Ok,M
18	Q2830-07	BF143359.D	12 Aug 2025 18:02	RC/JU	Ok
19	Q2830-01	BF143360.D	12 Aug 2025 18:32	RC/JU	Ok
20	Q2830-03	BF143361.D	12 Aug 2025 19:02	RC/JU	Ok
21	Q2830-05	BF143362.D	12 Aug 2025 19:32	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM				
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM				
SubDirectory	BF081225	HP Acquire Method	BNA_F		HP Processing Method	bf081225	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2831-01	BF143363.D	12 Aug 2025 20:02	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/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	BF143342.D	12 Aug 2025 08:34		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143343.D	12 Aug 2025 09:03		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143344.D	12 Aug 2025 09:34		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF143345.D	12 Aug 2025 10:04		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143346.D	12 Aug 2025 10:35		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF143347.D	12 Aug 2025 11:06	Compound #26,41,48,51,56,57,65,70,80,84, 85 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF143348.D	12 Aug 2025 11:37	Compound #32,54 kept on QR	RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143349.D	12 Aug 2025 12:07		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143350.D	12 Aug 2025 12:38	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBF081225	BF143351.D	12 Aug 2025 13:52		RC/JU	Ok
11	PB169189BL	PB169189BL	BF143352.D	12 Aug 2025 14:22		RC/JU	Ok
12	PB169189BS	PB169189BS	BF143353.D	12 Aug 2025 14:53	Compound#44,51,59,62,74 failing high	RC/JU	Ok,M
13	Q2807-02	COMP-5	BF143354.D	12 Aug 2025 15:33		RC/JU	Ok,M
14	Q2807-01	COMP-4	BF143355.D	12 Aug 2025 16:02		RC/JU	Ok
15	Q2807-03	COMP-6	BF143356.D	12 Aug 2025 16:32		RC/JU	Ok,M
16	Q2807-03MS	COMP-6MS	BF143357.D	12 Aug 2025 17:02		RC/JU	Ok
17	Q2807-03MSD	COMP-6MSD	BF143358.D	12 Aug 2025 17:32		RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF081225

Review By	Jagrut	Review On	8/13/2025 11:12:27 AM		
Supervise By	Rahul	Supervise On	8/13/2025 3:44:43 PM		
SubDirectory	BF081225	HP Acquire Method	BNA_F	HP Processing Method	bf081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2830-07	BIN0009-DRIVEWAY-T	BF143359.D	12 Aug 2025 18:02		RC/JU	Ok
19	Q2830-01	BIN0009-DRIVEWAY-T	BF143360.D	12 Aug 2025 18:32		RC/JU	Ok
20	Q2830-03	BIN0009-DRIVEWAY-T	BF143361.D	12 Aug 2025 19:02		RC/JU	Ok
21	Q2830-05	BIN0009-DRIVEWAY-T	BF143362.D	12 Aug 2025 19:32		RC/JU	Ok
22	Q2831-01	VNJ-238	BF143363.D	12 Aug 2025 20:02		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 08/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:17
Out Date: 08/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136752

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
Q2807-01	COMP-4	1	1.15	10.53	11.68	9.9	83.1	
Q2807-02	COMP-5	2	1.18	10.50	11.68	10.05	84.5	
Q2807-03	COMP-6	3	1.18	10.70	11.88	10.12	83.6	
Q2808-01	TP-7	4	1.15	10.75	11.9	8.3	66.5	
Q2808-02	TP-7-EPH	5	1.16	10.77	11.93	9.2	74.7	
Q2808-03	TP-7-VOC	6	1.12	9.64	10.76	9.16	83.4	
Q2809-01	OR-03-08082025	7	1.18	10.51	11.69	11.02	93.6	
Q2809-02	OR-03-08082025-E2	8	1.16	10.42	11.58	10.86	93.1	
Q2812-05	SVOC-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q2812-06	PEST-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q2812-07	PEST-GPC-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q2812-08	SVOC-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2812-09	PEST-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
Q2812-10	PEST -GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

1913752

WorkList Name : %1-080825 **WorkList ID :** 191161 **Department :** Wet-Chemistry **Date :** 08-08-2025 07:50:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2807-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	J12	08/07/2025	Chemtech -SO
Q2807-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	J12	08/07/2025	Chemtech -SO
Q2807-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	J12	08/07/2025	Chemtech -SO
Q2808-01	TP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/08/2025	Chemtech -SO
Q2808-02	TP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/08/2025	Chemtech -SO
Q2808-03	TP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/08/2025	Chemtech -SO
Q2809-01	OR-03-08082025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/08/2025	Chemtech -SO
Q2809-02	OR-03-08082025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	08/08/2025	Chemtech -SO
Q2812-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J11	08/01/2025	Chemtech -SO
Q2812-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J11	08/01/2025	Chemtech -SO
Q2812-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J11	08/01/2025	Chemtech -SO
Q2812-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J11	08/01/2025	Chemtech -SO
Q2812-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J11	08/01/2025	Chemtech -SO
Q2812-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J11	08/01/2025	Chemtech -SO

Date/Time 08/08/25 15:00

Raw Sample Received by: SB (ooC)

Raw Sample Relinquished by: JDCSM)

Date/Time 08/08/25 17:25

Raw Sample Received by: JDCSM)

Raw Sample Relinquished by: SB (ooC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169189

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/11/2025
Matrix :	Solid			**Extraction Start Time :**	09:32
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/11/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	EP2626
Baked Na2SO4	N/A	EP2629
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/11/25	RS (G4-lab)	RC/SVOC
12:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169189

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169189BL	SBLK189	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			U3-1
PB169189BS	SLCS189	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1			2
Q2807-01	COMP-4	SVOCMS Group1	30.05	N/A	ritesh	RUPESH	1	E		3
Q2807-02	COMP-5	SVOCMS Group1	30.09	N/A	ritesh	RUPESH	1	E		4
Q2807-03	COMP-6	SVOCMS Group1	30.02	N/A	ritesh	RUPESH	1	E		5
Q2807-03MS	COMP-6MS	SVOCMS Group1	30.05	N/A	ritesh	RUPESH	1	E		6
Q2807-03MSD	COMP-6MSD	SVOCMS Group1	30.07	N/A	ritesh	RUPESH	1	E		U6-1
Q2808-01	TP-7	SVOC-TCL BNA -20	50.08	N/A	ritesh	RUPESH	1	E		2
Q2809-01	OR-03-08082025	SVOC-TCL BNA -20	50.02	N/A	ritesh	RUPESH	1	E		3

RS
8/1/

* **Extracts relinguished on the same date as received.**

169189
9:32

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2809 **WorkList ID :** 191193 **Department :** Extraction **Date :** 08-11-2025 08:40:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2807-01	COMP-4	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	J12	08/07/2025	8270E
Q2807-02	COMP-5	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	J12	08/07/2025	8270E
Q2807-03	COMP-6	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	J12	08/07/2025	8270E
Q2808-01	TP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	08/08/2025	8270E
Q2809-01	OR-03-08082025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	08/08/2025	8270E

Date/Time 08/11/25 9:27
Raw Sample Received by: RJ (LEN-Lab)
Raw Sample Relinquished by: SM

Date/Time 08/11/25 9:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (LEN-Lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2807
COC Number 2045306

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd Suite 3800
CITY Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Girard School
PROJECT NO.: 20001558.001A LOCATION: Philadelphia
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

PADEP Historic Clean Fill Parameters

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	COMP-4	Soil	✓		8/7/25	9:00	4	✓									
2.	COMP-5	↓	↓		↓	9:50	↓	↓									
3.	COMP-6	↓	↓		↓	10:30	↓	↓									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/7/25	1.
2.	8/8/25 937	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: If Cont 1

Page 1 of 1

CLIENT: ☐ Hand Delivered ☑ Other FedEx

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2807 POWE02
Client Name : Kleinfelder
Client Contact : Mark Warchol
Invoice Name : Kleinfelder
Invoice Contact : Mark Warchol

Order Date : 8/8/2025 10:01:00 AM
Project Name : Girad School
Receive DateTime : 8/8/2025 9:37:00 AM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2807-01	COMP-4	Solid	08/07/2025	09:00					
					VOCMS Group1		8260D		5 Bus. Days
Q2807-02	COMP-5	Solid	08/07/2025	09:50					
					VOCMS Group1		8260D		5 Bus. Days
Q2807-03	COMP-6	Solid	08/07/2025	10:30					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : CP
Date / Time : 8/8/25 10:18

Received By : Sam
Date / Time : 08/08/25 10:18 IR# 6 FED 2

Storage Area : VOA Refridgerator Room