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

SEMI-VOLATILE ORGANICS

PROJECT NAME : RFP 918

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : Q3321

ATTENTION : Smita Sumbaly

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q3321-01	P001-DS-01
Q3321-02	P001-DS-01

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: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 918
Project # N/A
Order ID # Q3321
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 10/09/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.

The RPD for {Q3310-01MSD} with File ID: BF143929.D met criteria except for 2,4-Dinitrophenol[44%], 4,6-Dinitro-2-methylphenol[49%] and Hexachlorocyclopentadiene[21%], RPD failed due to result difference between MS and MSD, Therefor no further corrective action was taken.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression.

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

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E. Calculation:
Concentration ug/Kg,

$$\text{(dry weight basis)} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(RRF)\,(Vi)\,(Wt)\,(D)}$$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vi = Volume of extract injected in microliters (uL)
Vt = Volume of concentrated extract in microliters (uL)
Wt = Weight of the original sample extracted in g
Df = Dilution factor
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

$$D = \frac{100 - \%\text{moisture}}{100}$$

F. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q3321 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF100625.M) for 2,4-Dinitrophenol this Compounds is passing on Linear regression.			
	The Continuous Calibration met the requirements.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			

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

(CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all compounds. The RPD for {Q3310-01MSD} with File ID: BF143929.D met criteria except for 2,4-Dinitrophenol[44%], 4,6-Dinitro-2-methylphenol[49%] and Hexachlorocyclopentadiene[21%], RPD failed due to result difference between MS and MSD, Therefor no further corrective action was taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3321

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 10/17/2025

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LAB CHRONICLE

OrderID:	Q3321	**OrderDate:**	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 918
Contact:	Smita Sumbaly	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	**P001-DS-01**	**SOIL**			**10/08/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/10/25	10/10/25	
Q3321-02	**P001-DS-01**	**TCLP**			**10/08/25**			**10/09/25**
			TCLP BNA	8270E		10/13/25	10/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3321

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**P001-DS-01**								
Q3321-01	P001-DS-01	SOIL	Phenanthrene		710.000		26.6	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Anthracene		180.000	J	42.4	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Carbazole		93.800	J	39.8	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Fluoranthene		1,500.000		38.2	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Pyrene		970.000		45.9	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(a)anthracene		860.000		29.3	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Chrysene		770.000		25.4	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Bis(2-ethylhexyl)phthalate		530.000		75.5	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(b)fluoranthene		1,300.000		24.2	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(k)fluoranthene		490.000		28.6	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(a)pyrene		900.000		37.6	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Indeno(1,2,3-cd)pyrene		430.000		37.1	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Dibenzo(a,h)anthracene		120.000	J	34.9	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(g,h,i)perylene		490.000		32.8	220	ug/Kg
			Total Svoc :		**9,343.80**				
Q3321-01	P001-DS-01	SOIL	2,6-Octadienal, 3,7-dimethyl-, (E)	*	160.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo[e]pyrene	*	490.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Neral	*	94.300	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	n-Hexadecanoic acid	*	750.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Octadecanoic acid	*	210.000	J	0	0	ug/Kg
			Total Tics :		**1,944.30**				
			Total Concentration:		**11,288.10**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170055BL	PB170055BL	2-Fluorophenol	150	130	87		18	112
		Phenol-d6	150	127	84		15	107
		Nitrobenzene-d5	100	94.6	95		18	107
		2-Fluorobiphenyl	100	84.2	84		20	109
		2,4,6-Tribromophenol	150	152	101		10	116
		Terphenyl-d14	100	88.1	88		10	105
PB170055BS	PB170055BS	2-Fluorophenol	150	117	78		18	112
		Phenol-d6	150	116	77		15	107
		Nitrobenzene-d5	100	86.6	87		18	107
		2-Fluorobiphenyl	100	77.2	77		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	93.4	93		10	105
Q3310-01MS	SS-01-0-1MS	2-Fluorophenol	150	84.5	56		18	112
		Phenol-d6	150	84.2	56		15	107
		Nitrobenzene-d5	100	59.4	59		18	107
		2-Fluorobiphenyl	100	50.0	50		20	109
		2,4,6-Tribromophenol	150	71.0	47		10	116
		Terphenyl-d14	100	37.8	38		10	105
Q3310-01MSD	SS-01-0-1MSD	2-Fluorophenol	150	81.9	55		18	112
		Phenol-d6	150	80.9	54		15	107
		Nitrobenzene-d5	100	57.4	57		18	107
		2-Fluorobiphenyl	100	49.4	49		20	109
		2,4,6-Tribromophenol	150	66.1	44		10	116
		Terphenyl-d14	100	35.9	36		10	105
Q3321-01	P001-DS-01	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	71.7	48		15	107
		Nitrobenzene-d5	100	51.7	52		18	107
		2-Fluorobiphenyl	100	43.9	44		20	109
		2,4,6-Tribromophenol	150	61.7	41		10	116
		Terphenyl-d14	100	30.6	31		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3310-01MS		**Client Sample ID: SS-01-0-1MS**									
Benzaldehyde	2500	0	1600	ug/Kg	64				10	171	
Phenol	2500	0	2500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	2500	0	2400	ug/Kg	96				54	125	
2-Chlorophenol	2500	0	2400	ug/Kg	96				51	121	
2-Methylphenol	2500	0	2400	ug/Kg	96				47	125	
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96				46	119	
Acetophenone	2500	0	2600	ug/Kg	104				55	128	
3+4-Methylphenols	2500	0	2300	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	2500	0	2300	ug/Kg	92				59	119	
Hexachloroethane	2500	0	2300	ug/Kg	92				51	116	
Nitrobenzene	2500	0	2600	ug/Kg	104				47	124	
Isophorone	2500	0	2400	ug/Kg	96				49	127	
2-Nitrophenol	2500	0	2700	ug/Kg	108				43	131	
2,4-Dimethylphenol	2500	0	2700	ug/Kg	108				63	151	
bis(2-Chloroethoxy)methane	2500	0	2500	ug/Kg	100				51	119	
2,4-Dichlorophenol	2500	0	2400	ug/Kg	96				50	122	
Naphthalene	2500	180	2500	ug/Kg	93				51	121	
4-Chloroaniline	2500	0	870	ug/Kg	35				10	100	
Hexachlorobutadiene	2500	0	2300	ug/Kg	92				44	126	
Caprolactam	2500	0	2500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2500	0	2300	ug/Kg	92				57	132	
2-Methylnaphthalene	2500	0	2200	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	5100	0	2700	ug/Kg	53				10	175	
2,4,6-Trichlorophenol	2500	0	2500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	2500	0	2400	ug/Kg	96				38	135	
1,1-Biphenyl	2500	0	2800	ug/Kg	112				55	131	
2-Chloronaphthalene	2500	0	2500	ug/Kg	100				48	124	
2-Nitroaniline	2500	0	2800	ug/Kg	112				47	134	
Dimethylphthalate	2500	0	2600	ug/Kg	104				54	120	
Acenaphthylene	2500	0	2800	ug/Kg	112				57	125	
2,6-Dinitrotoluene	2500	0	2900	ug/Kg	116				48	127	
3-Nitroaniline	2500	0	1800	ug/Kg	72				10	112	
Acenaphthene	2500	220	2400	ug/Kg	87				70	121	
2,4-Dinitrophenol	5100	0	1100	ug/Kg	22				10	155	
4-Nitrophenol	5100	0	4500	ug/Kg	88				10	175	
Dibenzofuran	2500	150	2500	ug/Kg	94				52	114	
2,4-Dinitrotoluene	2500	0	2700	ug/Kg	108				41	140	
Diethylphthalate	2500	0	2500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92				48	122	
Fluorene	2500	160	2400	ug/Kg	90				53	118	
4-Nitroaniline	2500	0	2100	ug/Kg	84				29	140	
4,6-Dinitro-2-methylphenol	2500	0	700	ug/Kg	28				10	160	
N-Nitrosodiphenylamine	2500	0	2700	ug/Kg	108				73	118	
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104				65	121	
Hexachlorobenzene	2500	0	2400	ug/Kg	96				67	118	
Atrazine	2500	0	2700	ug/Kg	108				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	5100	0	4900	ug/Kg	96				13	153	
Phenanthrene	2500	1800	3800	ug/Kg	80				52	128	
Anthracene	2500	470	2800	ug/Kg	93				62	124	
Carbazole	2500	310	2800	ug/Kg	100				59	119	
Di-n-butylphthalate	2500	0	2700	ug/Kg	108				55	125	
Fluoranthene	2500	2200	4400	ug/Kg	88				44	125	
Pyrene	2500	1300	3100	ug/Kg	72				37	122	
Butylbenzylphthalate	2500	0	2700	ug/Kg	108				44	135	
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96				15	112	
Benzo(a)anthracene	2500	1000	3500	ug/Kg	100				53	119	
Chrysene	2500	850	3300	ug/Kg	98				57	121	
bis(2-Ethylhexyl)phthalate	2500	0	3000	ug/Kg	120				42	169	
Di-n-octyl phthalate	2500	0	3300	ug/Kg	132				51	156	
Benzo(b)fluoranthene	2500	1200	4000	ug/Kg	112				52	117	
Benzo(k)fluoranthene	2500	380	2800	ug/Kg	97				57	134	
Benzo(a)pyrene	2500	800	3400	ug/Kg	104				70	142	
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76				40	129	
Dibenz(a,h)anthracene	2500	0	2000	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	2500	0	2900	ug/Kg	116				52	134	
1,4-Dioxane	2500	0	2200	ug/Kg	88				46	112	
2,3,4,6-Tetrachlorophenol	2500	0	2400	ug/Kg	96				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3310-01MSD		**Client Sample ID: SS-01-0-1MSD**									
Benzaldehyde	2500	0	1500	ug/Kg	60		6		10	171	20
Phenol	2500	0	2400	ug/Kg	96		4		51	122	20
bis(2-Chloroethyl)ether	2500	0	2300	ug/Kg	92		4		54	125	20
2-Chlorophenol	2500	0	2300	ug/Kg	92		4		51	121	20
2-Methylphenol	2500	0	2300	ug/Kg	92		4		47	125	20
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96		0		46	119	20
Acetophenone	2500	0	2500	ug/Kg	100		4		55	128	20
3+4-Methylphenols	2500	0	2200	ug/Kg	88		4		49	125	20
N-Nitroso-di-n-propylamine	2500	0	2200	ug/Kg	88		4		59	119	20
Hexachloroethane	2500	0	2200	ug/Kg	88		4		51	116	20
Nitrobenzene	2500	0	2500	ug/Kg	100		4		47	124	20
Isophorone	2500	0	2400	ug/Kg	96		0		49	127	20
2-Nitrophenol	2500	0	2600	ug/Kg	104		4		43	131	20
2,4-Dimethylphenol	2500	0	2600	ug/Kg	104		4		63	151	20
bis(2-Chloroethoxy)methane	2500	0	2300	ug/Kg	92		8		51	119	20
2,4-Dichlorophenol	2500	0	2300	ug/Kg	92		4		50	122	20
Naphthalene	2500	180	2400	ug/Kg	89		4		51	121	20
4-Chloroaniline	2500	0	900	ug/Kg	36		3		10	100	20
Hexachlorobutadiene	2500	0	2300	ug/Kg	92		0		44	126	20
Caprolactam	2500	0	2300	ug/Kg	92		8		51	134	20
4-Chloro-3-methylphenol	2500	0	2200	ug/Kg	88		4		57	132	20
2-Methylnaphthalene	2500	0	2100	ug/Kg	84		5		59	123	20
Hexachlorocyclopentadiene	5100	0	2200	ug/Kg	43		21	*	10	175	20
2,4,6-Trichlorophenol	2500	0	2400	ug/Kg	96		4		33	141	20
2,4,5-Trichlorophenol	2500	0	2300	ug/Kg	92		4		38	135	20
1,1-Biphenyl	2500	0	2800	ug/Kg	112		0		55	131	20
2-Chloronaphthalene	2500	0	2400	ug/Kg	96		4		48	124	20
2-Nitroaniline	2500	0	2800	ug/Kg	112		0		47	134	20
Dimethylphthalate	2500	0	2500	ug/Kg	100		4		54	120	20
Acenaphthylene	2500	0	2700	ug/Kg	108		4		57	125	20
2,6-Dinitrotoluene	2500	0	2800	ug/Kg	112		4		48	127	20
3-Nitroaniline	2500	0	1900	ug/Kg	76		5		10	112	20
Acenaphthene	2500	220	2300	ug/Kg	83		5		70	121	20
2,4-Dinitrophenol	5100	0	720	ug/Kg	14		44	*	10	155	20
4-Nitrophenol	5100	0	4200	ug/Kg	82		7		10	175	20
Dibenzofuran	2500	150	2400	ug/Kg	90		4		52	114	20
2,4-Dinitrotoluene	2500	0	2600	ug/Kg	104		4		41	140	20
Diethylphthalate	2500	0	2400	ug/Kg	96		4		51	119	20
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92		0		48	122	20
Fluorene	2500	160	2300	ug/Kg	86		5		53	118	20
4-Nitroaniline	2500	0	2000	ug/Kg	80		5		29	140	20
4,6-Dinitro-2-methylphenol	2500	0	420	ug/Kg	17		49	*	10	160	20
N-Nitrosodiphenylamine	2500	0	2800	ug/Kg	112		4		73	118	20
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104		0		65	121	20
Hexachlorobenzene	2500	0	2400	ug/Kg	96		0		67	118	20
Atrazine	2500	0	2600	ug/Kg	104		4		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321 **Analytical Method:** SW8270E

Client: Weston Solutions, Inc. **DataFile:** BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	5100	0	4700	ug/Kg	92		4		13	153	20
Phenanthrene	2500	1800	3900	ug/Kg	84		5		52	128	20
Anthracene	2500	470	2800	ug/Kg	93		0		62	124	20
Carbazole	2500	310	2800	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	2500	0	2700	ug/Kg	108		0		55	125	20
Fluoranthene	2500	2200	4400	ug/Kg	88		0		44	125	20
Pyrene	2500	1300	3000	ug/Kg	68		6		37	122	20
Butylbenzylphthalate	2500	0	2600	ug/Kg	104		4		44	135	20
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96		0		15	112	20
Benzo(a)anthracene	2500	1000	3400	ug/Kg	96		4		53	119	20
Chrysene	2500	850	3200	ug/Kg	94		4		57	121	20
bis(2-Ethylhexyl)phthalate	2500	0	2900	ug/Kg	116		3		42	169	20
Di-n-octyl phthalate	2500	0	3200	ug/Kg	128		3		51	156	20
Benzo(b)fluoranthene	2500	1200	3500	ug/Kg	92		20		52	117	20
Benzo(k)fluoranthene	2500	380	2700	ug/Kg	93		4		57	134	20
Benzo(a)pyrene	2500	800	3300	ug/Kg	100		4		70	142	20
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76		0		40	129	20
Dibenz(a,h)anthracene	2500	0	1900	ug/Kg	76		5		43	123	20
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74		0		24	125	20
1,2,4,5-Tetrachlorobenzene	2500	0	2800	ug/Kg	112		4		52	134	20
1,4-Dioxane	2500	0	2200	ug/Kg	88		0		46	112	20
2,3,4,6-Tetrachlorophenol	2500	0	2200	ug/Kg	88		9		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3321 **Analytical Method:** 8270E

Client: Weston Solutions, Inc. **DataFile:** BF143949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170055BS	Benzaldehyde	1700	950	ug/Kg	56				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	710	ug/Kg	42				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3600	ug/Kg	109				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	
	4-Nitrophenol	3300	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3321 **Analytical Method:** 8270E

Client: Weston Solutions, Inc. **DataFile:** BF143949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB170055BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	850	ug/Kg	50				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170055BL

Lab Name: Alliance | Contract: ROYF02

Lab Code: ACE | SDG NO.: Q3321

Lab File ID: BF143921.D | Lab Sample ID: PB170055BL

Instrument ID: BNA_F | Date Extracted: 10/10/2025

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

Level: (low/med) LOW | Time Analyzed: 13:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SS-01-0-1MS	Q3310-01MS	BF143928.D	10/10/2025
P001-DS-01	Q3321-01	BF143926.D	10/10/2025
SS-01-0-1MSD	Q3310-01MSD	BF143929.D	10/10/2025
PB170055BS	PB170055BS	BF143949.D	10/14/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3321

Lab File ID: BF143874.D DFTPP Injection Date: 10/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3321

Lab File ID: BF143919.D DFTPP Injection Date: 10/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	86.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (18.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143920.D	10/10/2025	12:32
PB170055BL	PB170055BL	BF143921.D	10/10/2025	13:24
P001-DS-01	Q3321-01	BF143926.D	10/10/2025	15:51
SS-01-0-1MS	Q3310-01MS	BF143928.D	10/10/2025	16:49
SS-01-0-1MSD	Q3310-01MSD	BF143929.D	10/10/2025	17:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG NO.: Q3321

Lab File ID: BF143945.D DFTPP Injection Date: 10/14/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143946.D	10/14/2025	13:57
PB170055BS	PB170055BS	BF143949.D	10/14/2025	16:13

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3321

Client ID : SSTDCCC040 Date Analyzed: 10/10/2025

Lab File ID: BF143920.D Time Analyzed: 12:32

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	114205	6.881	454258	8.17	244959	9.92
	UPPER LIMIT	228410	7.381	908516	8.669	489918	10.422
	LOWER LIMIT	57102.5	6.381	227129	7.669	122480	9.422
	EPA SAMPLE NO.						
01	PB170055BL	136492	6.88	545950	8.16	298735	9.92
02	SS-01-0-1MS	113164	6.89	420905	8.17	206322	9.93
03	SS-01-0-1MSD	118400	6.88	432037	8.17	206418	9.93
04	P001-DS-01	108001	6.88	403837	8.16	207929	9.92

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.: Q3321

Client ID: SSTDCCC040 Date Analyzed: 10/10/2025

Lab File ID: BF143920.D Time Analyzed: 12:32

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	425799	11.416	235995	14.063	249897	15.539
	UPPER LIMIT	851598	11.916	471990	14.563	499794	16.039
	LOWER LIMIT	212900	10.916	117998	13.563	124949	15.039
	EPA SAMPLE NO.						
01	PB170055BL	543488	11.41	387902	14.06	313224	15.54
02	SS-01-0-1MS	308746	11.42	255306	14.07	243905	15.55
03	SS-01-0-1MSD	294129	11.42	250086	14.07	234027	15.55
04	P001-DS-01	321893	11.41	291502	14.06	280555	15.55

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3321

Client ID : SSTDCCC040 Date Analyzed: 10/14/2025

Lab File ID: BF143946.D Time Analyzed: 13:57

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	131735	6.881	483664	8.17	238586	9.92
	UPPER LIMIT	263470	7.381	967328	8.669	477172	10.422
	LOWER LIMIT	65867.5	6.381	241832	7.669	119293	9.422
	EPA SAMPLE NO.						
01	PB170055BS	118783	6.88	465023	8.16	256823	9.92

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3321

Client ID: SSTDCCC040 Date Analyzed: 10/14/2025

Lab File ID: BF143946.D Time Analyzed: 13:57

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	401091	11.416	215371	14.063	223666	15.545
	UPPER LIMIT	802182	11.916	430742	14.563	447332	16.045
	LOWER LIMIT	200546	10.916	107686	13.563	111833	15.045
	EPA SAMPLE NO.						
01	PB170055BS	433771	11.42	247361	14.06	229733	15.55

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	78.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	200	U	1	200	420	ug/Kg	10/10/25 15:51	PB170055
108-95-2	Phenol	28.2	U	1	28.2	220	ug/Kg	10/10/25 15:51	PB170055
111-44-4	bis(2-Chloroethyl)ether	31.0	U	1	31.0	220	ug/Kg	10/10/25 15:51	PB170055
95-57-8	2-Chlorophenol	31.1	U	1	31.1	220	ug/Kg	10/10/25 15:51	PB170055
95-48-7	2-Methylphenol	38.1	U	1	38.1	220	ug/Kg	10/10/25 15:51	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	47.8	U	1	47.8	220	ug/Kg	10/10/25 15:51	PB170055
98-86-2	Acetophenone	37.6	U	1	37.6	220	ug/Kg	10/10/25 15:51	PB170055
65794-96-9	3+4-Methylphenols	52.4	U	1	52.4	420	ug/Kg	10/10/25 15:51	PB170055
621-64-7	n-Nitroso-di-n-propylamine	60.4	U	1	60.4	100	ug/Kg	10/10/25 15:51	PB170055
67-72-1	Hexachloroethane	22.4	U	1	22.4	220	ug/Kg	10/10/25 15:51	PB170055
98-95-3	Nitrobenzene	23.3	U	1	23.3	220	ug/Kg	10/10/25 15:51	PB170055
78-59-1	Isophorone	41.8	U	1	41.8	220	ug/Kg	10/10/25 15:51	PB170055
88-75-5	2-Nitrophenol	74.2	U	1	74.2	220	ug/Kg	10/10/25 15:51	PB170055
105-67-9	2,4-Dimethylphenol	82.6	U	1	82.6	220	ug/Kg	10/10/25 15:51	PB170055
111-91-1	bis(2-Chloroethoxy)methane	39.3	U	1	39.3	220	ug/Kg	10/10/25 15:51	PB170055
120-83-2	2,4-Dichlorophenol	36.1	U	1	36.1	220	ug/Kg	10/10/25 15:51	PB170055
91-20-3	Naphthalene	28.9	U	1	28.9	220	ug/Kg	10/10/25 15:51	PB170055
106-47-8	4-Chloroaniline	45.1	U	1	45.1	220	ug/Kg	10/10/25 15:51	PB170055
87-68-3	Hexachlorobutadiene	32.2	U	1	32.2	220	ug/Kg	10/10/25 15:51	PB170055
105-60-2	Caprolactam	66.4	U	1	66.4	420	ug/Kg	10/10/25 15:51	PB170055
59-50-7	4-Chloro-3-methylphenol	36.6	U	1	36.6	220	ug/Kg	10/10/25 15:51	PB170055
91-57-6	2-Methylnaphthalene	32.6	U	1	32.6	220	ug/Kg	10/10/25 15:51	PB170055
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	420	ug/Kg	10/10/25 15:51	PB170055
88-06-2	2,4,6-Trichlorophenol	25.2	U	1	25.2	220	ug/Kg	10/10/25 15:51	PB170055
95-95-4	2,4,5-Trichlorophenol	37.1	U	1	37.1	220	ug/Kg	10/10/25 15:51	PB170055
92-52-4	1,1-Biphenyl	27.8	U	1	27.8	220	ug/Kg	10/10/25 15:51	PB170055
91-58-7	2-Chloronaphthalene	28.7	U	1	28.7	220	ug/Kg	10/10/25 15:51	PB170055
88-74-4	2-Nitroaniline	61.3	U	1	61.3	220	ug/Kg	10/10/25 15:51	PB170055
131-11-3	Dimethylphthalate	34.5	U	1	34.5	220	ug/Kg	10/10/25 15:51	PB170055
208-96-8	Acenaphthylene	36.8	U	1	36.8	220	ug/Kg	10/10/25 15:51	PB170055
606-20-2	2,6-Dinitrotoluene	42.8	U	1	42.8	220	ug/Kg	10/10/25 15:51	PB170055
99-09-2	3-Nitroaniline	58.6	U	1	58.6	220	ug/Kg	10/10/25 15:51	PB170055
83-32-9	Acenaphthene	27.2	U	1	27.2	220	ug/Kg	10/10/25 15:51	PB170055
51-28-5	2,4-Dinitrophenol	290	U	1	290	420	ug/Kg	10/10/25 15:51	PB170055
100-02-7	4-Nitrophenol	140	U	1	140	420	ug/Kg	10/10/25 15:51	PB170055
132-64-9	Dibenzofuran	28.9	U	1	28.9	220	ug/Kg	10/10/25 15:51	PB170055
121-14-2	2,4-Dinitrotoluene	63.9	U	1	63.9	220	ug/Kg	10/10/25 15:51	PB170055
84-66-2	Diethylphthalate	36.1	U	1	36.1	220	ug/Kg	10/10/25 15:51	PB170055
7005-72-3	4-Chlorophenyl-phenylether	34.0	U	1	34.0	220	ug/Kg	10/10/25 15:51	PB170055
86-73-7	Fluorene	32.2	U	1	32.2	220	ug/Kg	10/10/25 15:51	PB170055
100-01-6	4-Nitroaniline	81.8	U	1	81.8	220	ug/Kg	10/10/25 15:51	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	420	ug/Kg	10/10/25 15:51	PB170055

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	78.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	41.9	U	1	41.9	220	ug/Kg	10/10/25 15:51	PB170055
101-55-3	4-Bromophenyl-phenylether	35.4	U	1	35.4	220	ug/Kg	10/10/25 15:51	PB170055
118-74-1	Hexachlorobenzene	32.2	U	1	32.2	220	ug/Kg	10/10/25 15:51	PB170055
1912-24-9	Atrazine	43.3	U	1	43.3	220	ug/Kg	10/10/25 15:51	PB170055
87-86-5	Pentachlorophenol	65.4	U	1	65.4	420	ug/Kg	10/10/25 15:51	PB170055
85-01-8	Phenanthrene	710		1	26.6	220	ug/Kg	10/10/25 15:51	PB170055
120-12-7	Anthracene	180	J	1	42.4	220	ug/Kg	10/10/25 15:51	PB170055
86-74-8	Carbazole	93.8	J	1	39.8	220	ug/Kg	10/10/25 15:51	PB170055
84-74-2	Di-n-butylphthalate	61.1	U	1	61.1	220	ug/Kg	10/10/25 15:51	PB170055
206-44-0	Fluoranthene	1500		1	38.2	220	ug/Kg	10/10/25 15:51	PB170055
129-00-0	Pyrene	970		1	45.9	220	ug/Kg	10/10/25 15:51	PB170055
85-68-7	Butylbenzylphthalate	91.0	U	1	91.0	220	ug/Kg	10/10/25 15:51	PB170055
91-94-1	3,3-Dichlorobenzidine	46.8	U	1	46.8	420	ug/Kg	10/10/25 15:51	PB170055
56-55-3	Benzo(a)anthracene	860		1	29.3	220	ug/Kg	10/10/25 15:51	PB170055
218-01-9	Chrysene	770		1	25.4	220	ug/Kg	10/10/25 15:51	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	530		1	75.5	220	ug/Kg	10/10/25 15:51	PB170055
117-84-0	Di-n-octyl phthalate	110	U	1	110	420	ug/Kg	10/10/25 15:51	PB170055
205-99-2	Benzo(b)fluoranthene	1300		1	24.2	220	ug/Kg	10/10/25 15:51	PB170055
207-08-9	Benzo(k)fluoranthene	490		1	28.6	220	ug/Kg	10/10/25 15:51	PB170055
50-32-8	Benzo(a)pyrene	900		1	37.6	220	ug/Kg	10/10/25 15:51	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	430		1	37.1	220	ug/Kg	10/10/25 15:51	PB170055
53-70-3	Dibenzo(a,h)anthracene	120	J	1	34.9	220	ug/Kg	10/10/25 15:51	PB170055
191-24-2	Benzo(g,h,i)perylene	490		1	32.8	220	ug/Kg	10/10/25 15:51	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	32.6	U	1	32.6	220	ug/Kg	10/10/25 15:51	PB170055
123-91-1	1,4-Dioxane	57.6	U	1	57.6	220	ug/Kg	10/10/25 15:51	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	34.9	U	1	34.9	220	ug/Kg	10/10/25 15:51	PB170055
SURROGATES									
367-12-4	2-Fluorophenol	74.7			18 - 112	50%	SPK: 150		
13127-88-3	Phenol-d6	71.7			15 - 107	48%	SPK: 150		
4165-60-0	Nitrobenzene-d5	51.7			18 - 107	52%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.9			20 - 109	44%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	61.7			10 - 116	41%	SPK: 150		
1718-51-0	Terphenyl-d14	30.6			10 - 105	31%	SPK: 100		
INTERNAL STANDARDS		**Area**							
3855-82-1	1,4-Dichlorobenzene-d4	108000							
1146-65-2	Naphthalene-d8	404000							
15067-26-2	Acenaphthene-d10	208000							
1517-22-2	Phenanthrene-d10	322000							
1719-03-5	Chrysene-d12	292000							
1520-96-3	Perylene-d12	281000							
TENTATIVE IDENTIFIED COMPOUNDS									
000106-26-3	Neral	94.3	J			8.42	ug/Kg		
000141-27-5	2,6-Octadienal, 3,7-dimethyl-, (E)	160	J			8.59	ug/Kg		

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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	78.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	240	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	750	J			11.9	ug/Kg		
000057-11-4	Octadecanoic acid	210	J			12.7	ug/Kg		
000192-97-2	Benzo[e]pyrene	490	J			15.4	ug/Kg		

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\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Time: Oct 10 17:16:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

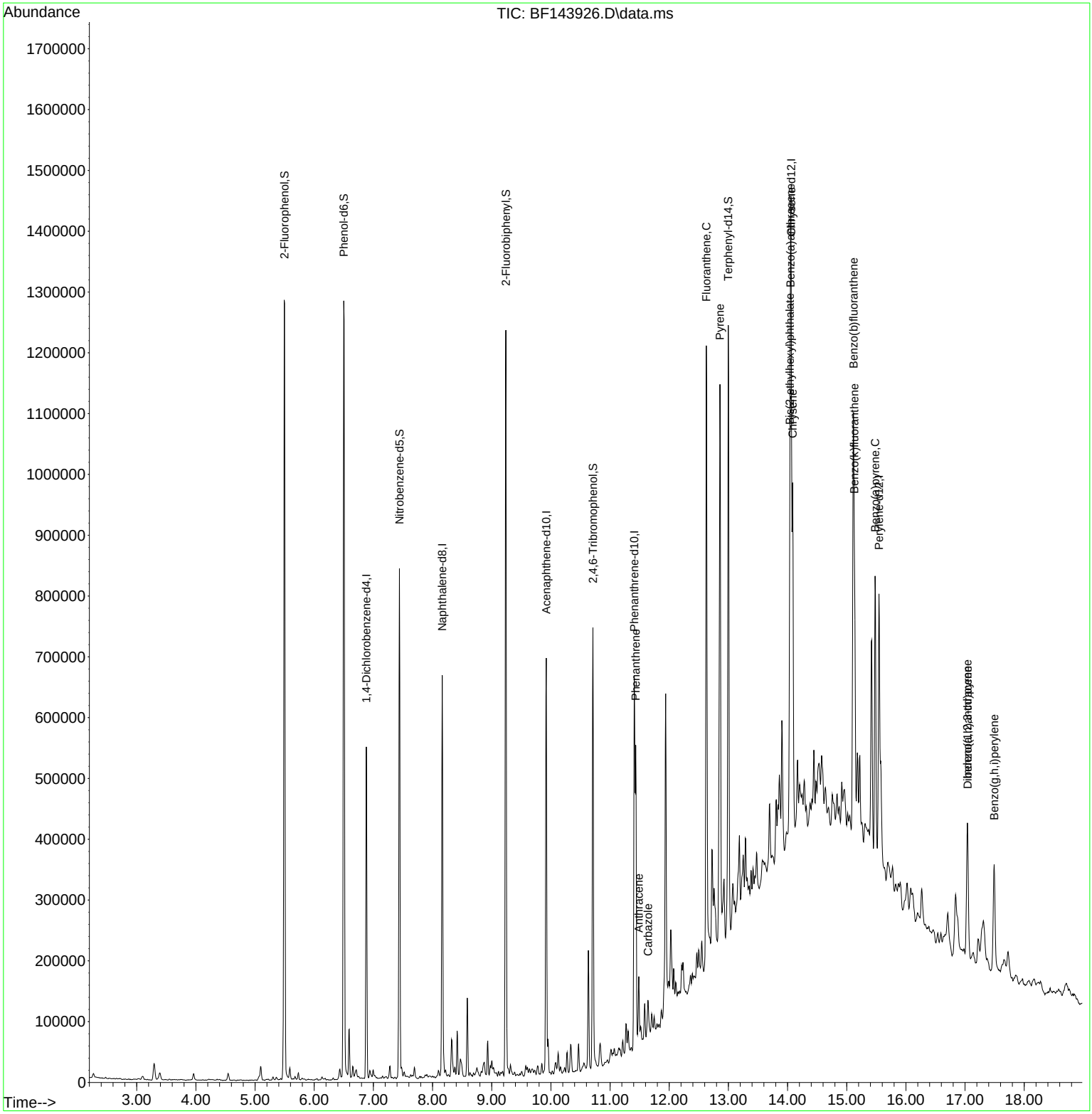
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	108001	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	403837	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	207929	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	321893	20.000	ng		0.00
76) Chrysene-d12	14.063	240	291502	20.000	ng		0.00
86) Perylene-d12	15.545	264	280555	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	507798	74.664	ng		0.00
7) Phenol-d6	6.498	99	581255	71.701	ng		-0.02
23) Nitrobenzene-d5	7.440	82	343410	51.664	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	127809	61.713	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	575895	43.947	ng		-0.01
79) Terphenyl-d14	12.998	244	521233	30.560	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	261640	16.766	ng		98
72) Anthracene	11.486	178	68115	4.321	ng		99
73) Carbazole	11.639	167	30822	2.207	ng		95
75) Fluoranthene	12.627	202	584300	36.248	ng		99
78) Pyrene	12.857	202	553727	22.785	ng		97
81) Benzo(a)anthracene	14.051	228	384901	20.177	ng		98
83) Chrysene	14.086	228	319540	18.099	ng		97
84) Bis(2-ethylhexyl)phtha...	14.039	149	118990	12.507	ng		98
87) Indeno(1,2,3-cd)pyrene	17.039	276	172242	10.019	ng		97
88) Benzo(b)fluoranthene	15.116	252	474866m	29.466	ng		
89) Benzo(k)fluoranthene	15.127	252	172469m	11.565	ng		
90) Benzo(a)pyrene	15.480	252	296801	21.239	ng	#	96
91) Dibenzo(a,h)anthracene	17.045	278	39701	2.871	ng	#	84
92) Benzo(g,h,i)perylene	17.492	276	159145	11.511	ng	#	95

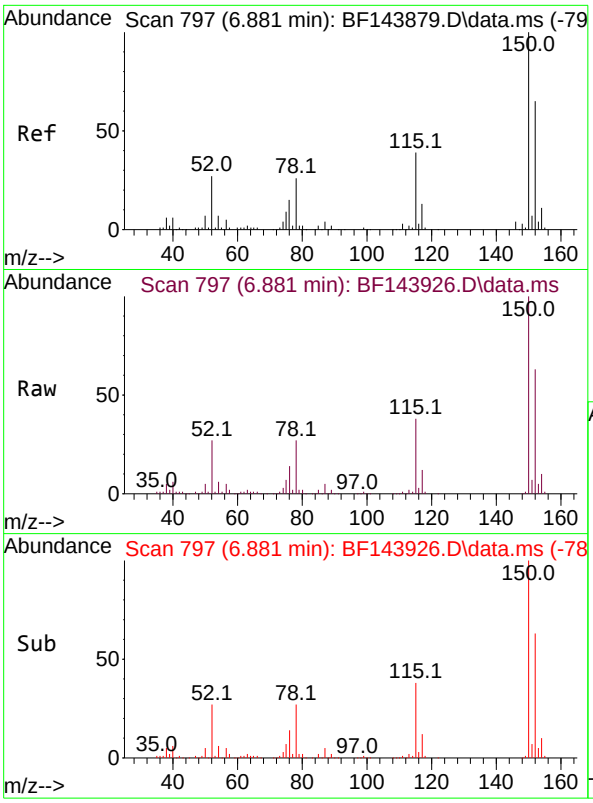
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Time: Oct 10 17:16:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



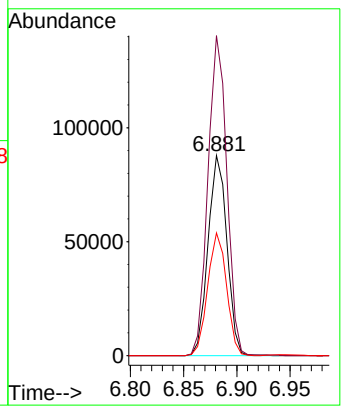


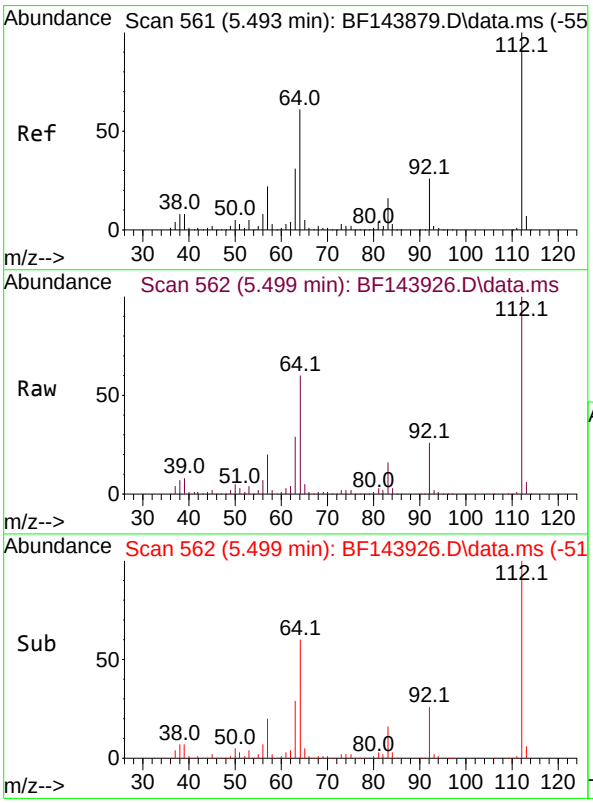
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:152 Resp: 108001

Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	61.3	48.1	72.1

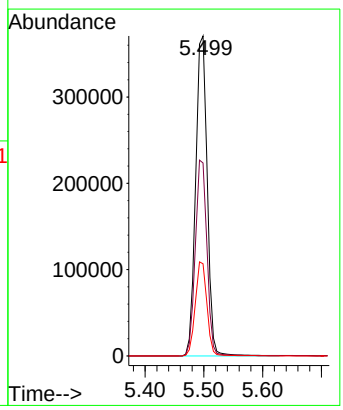


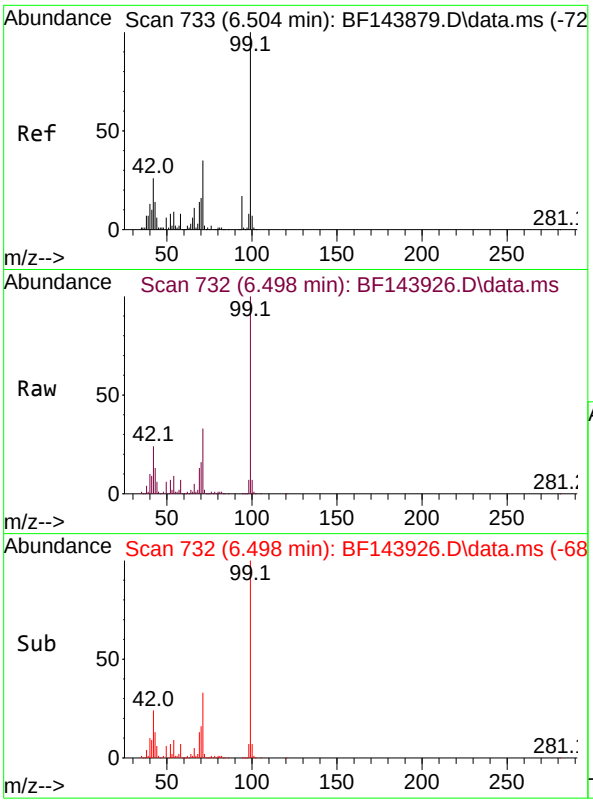


#5
2-Fluorophenol
Concen: 74.664 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:112 Resp: 507798

Ion	Ratio	Lower	Upper
112	100		
64	60.3	49.1	73.7
63	28.8	24.5	36.7



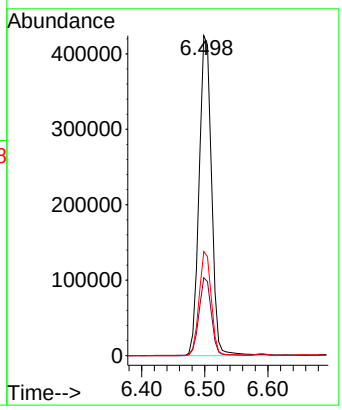


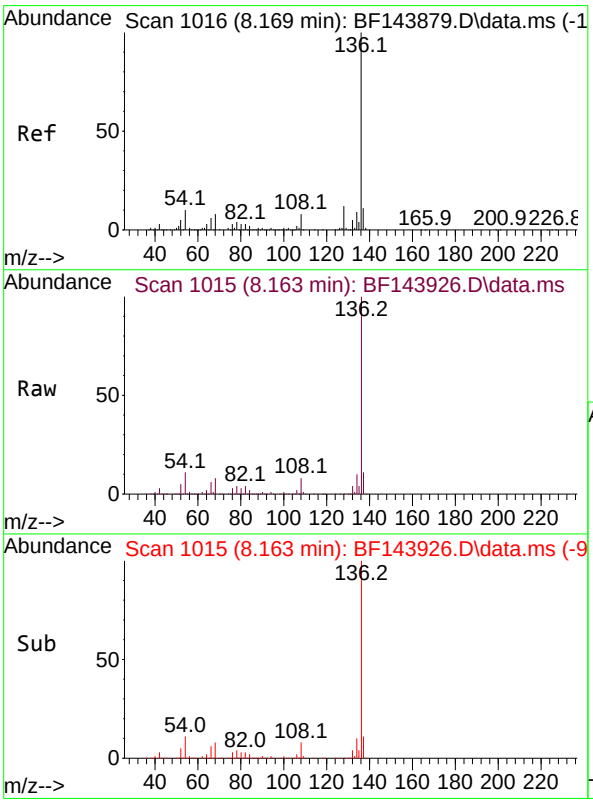
#7
Phenol-d6
Concen: 71.701 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion: 99 Resp: 581255

Ion	Ratio	Lower	Upper
99	100		
42	24.3	21.0	31.4
71	32.5	27.8	41.8

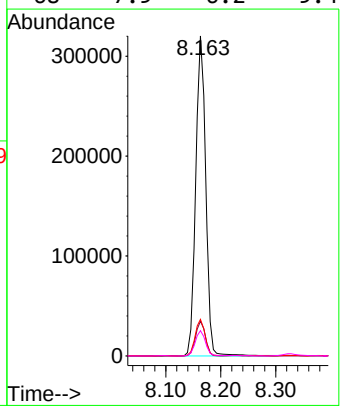


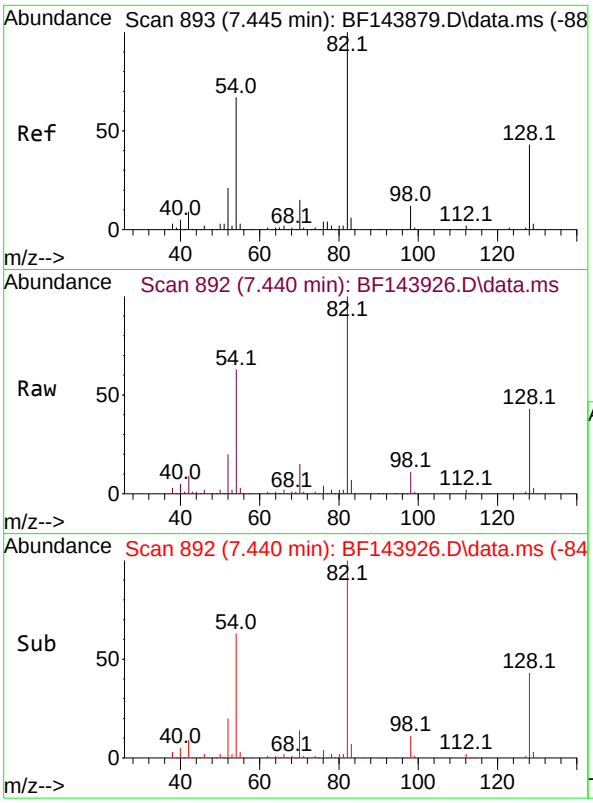


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:136 Resp: 403837

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.4	8.2	12.4
68	7.9	6.2	9.4



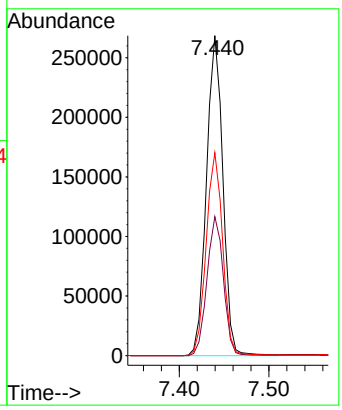


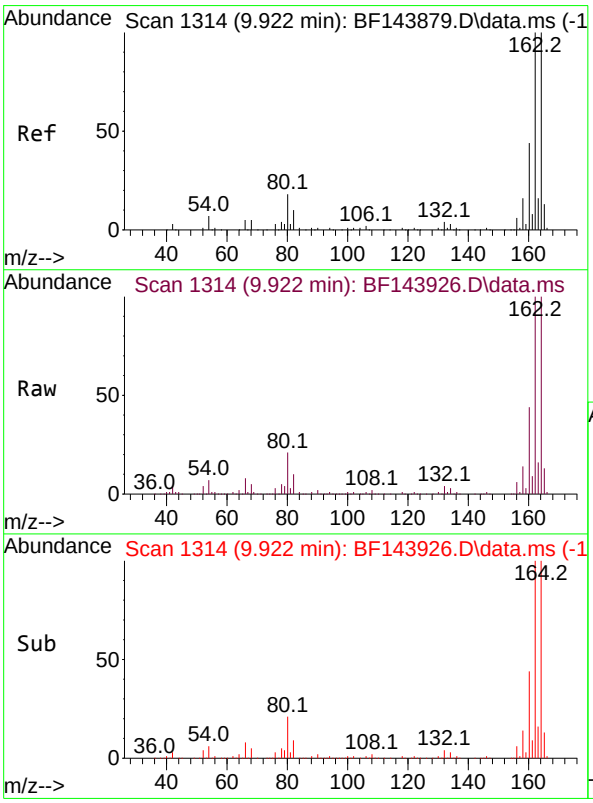
#23
Nitrobenzene-d5
Concen: 51.664 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion: 82 Resp: 343410

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	63.4	53.2	79.8

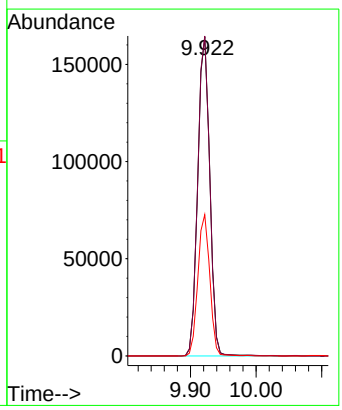


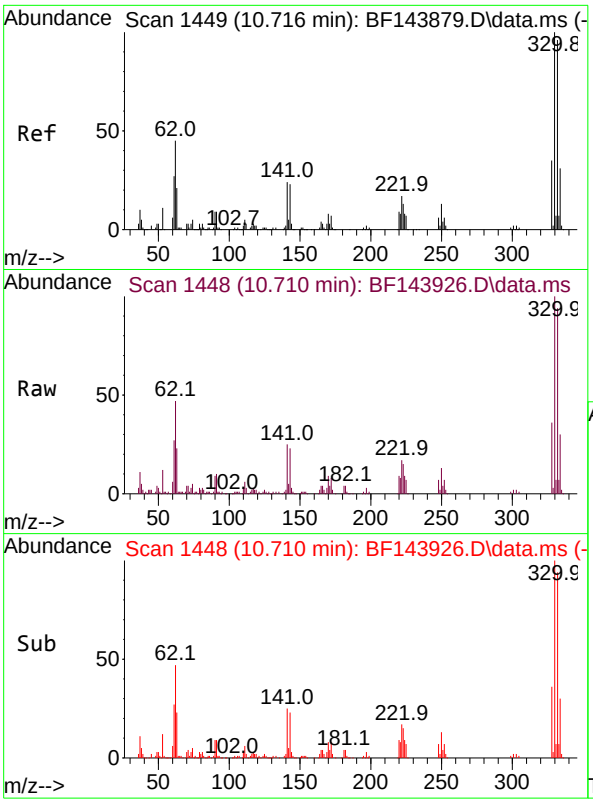


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:164 Resp: 207929

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	44.3	35.4	53.0



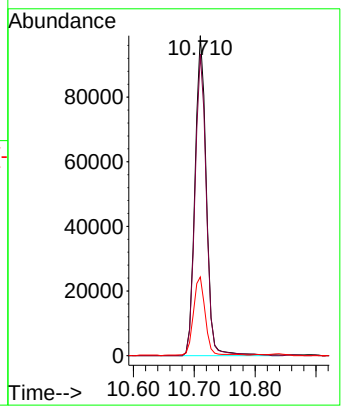


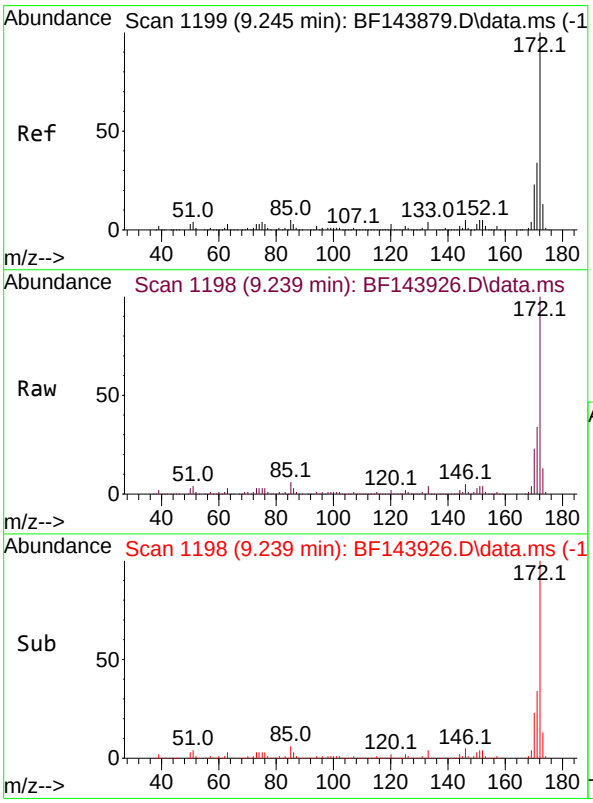
#42
2,4,6-Tribromophenol
Concen: 61.713 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:330 Resp: 127809

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.9	115.3
141	25.7	20.2	30.4

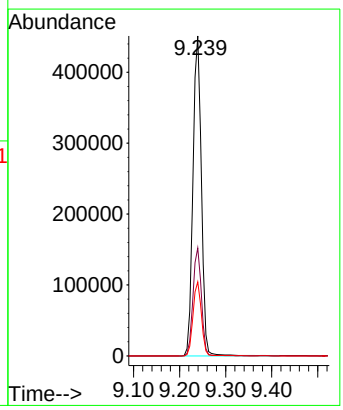


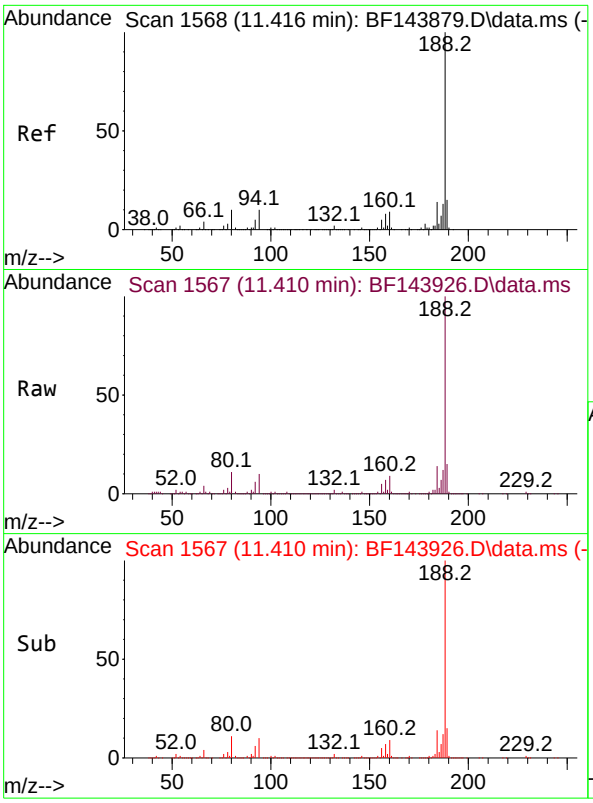


#45
2-Fluorobiphenyl
Concen: 43.947 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:172 Resp: 575895

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.4	41.0
170	23.1	18.6	28.0



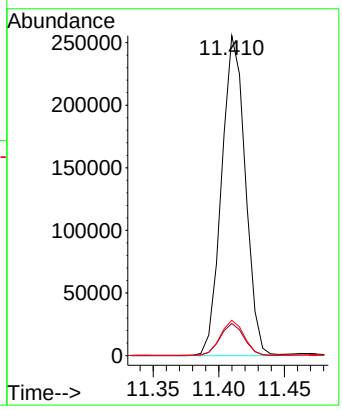


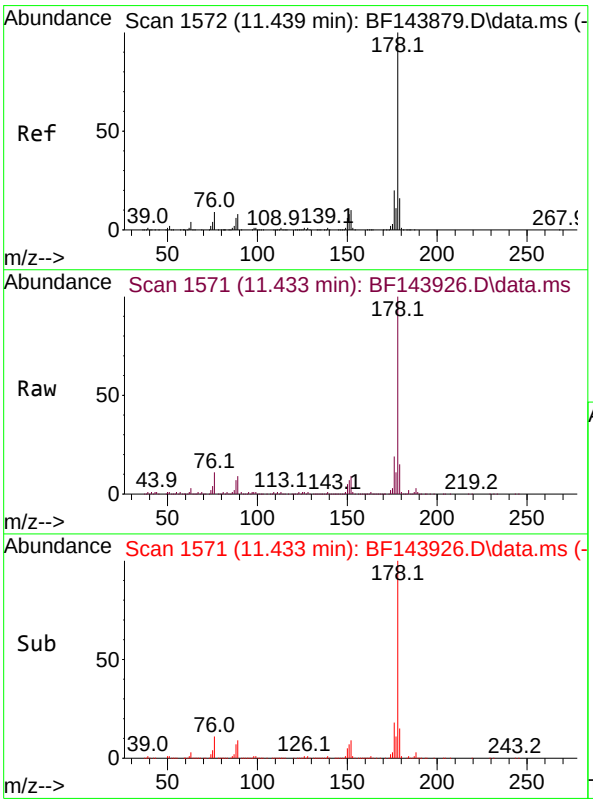
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:188 Resp: 321893

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	11.0	7.9	11.9

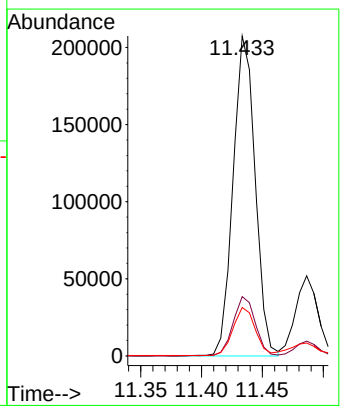


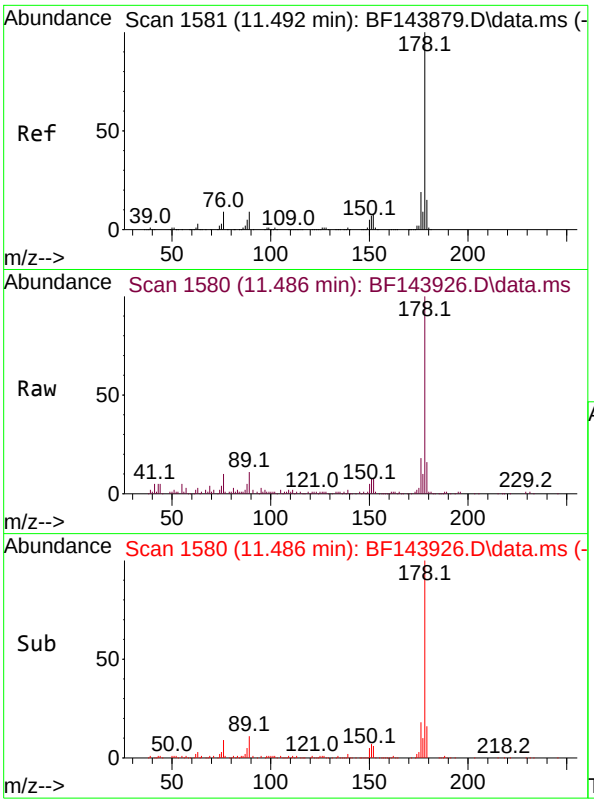


#71
Phenanthrene
Concen: 16.766 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:178 Resp: 261640

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.1	12.4	18.6



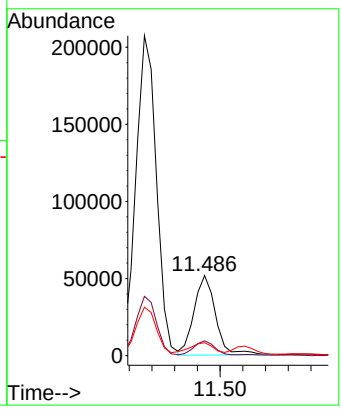


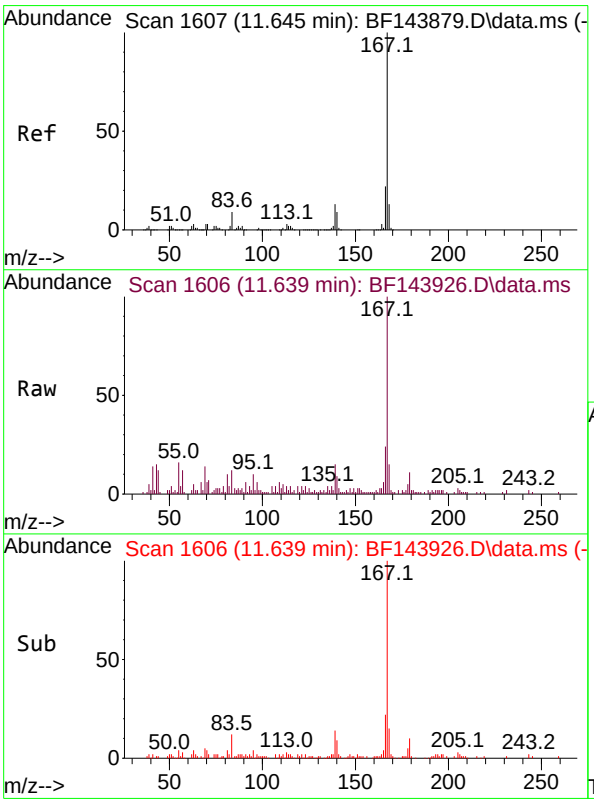
#72
Anthracene
Concen: 4.321 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:178 Resp: 68115

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	16.1	12.2	18.2

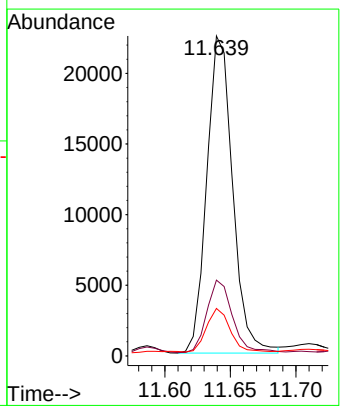


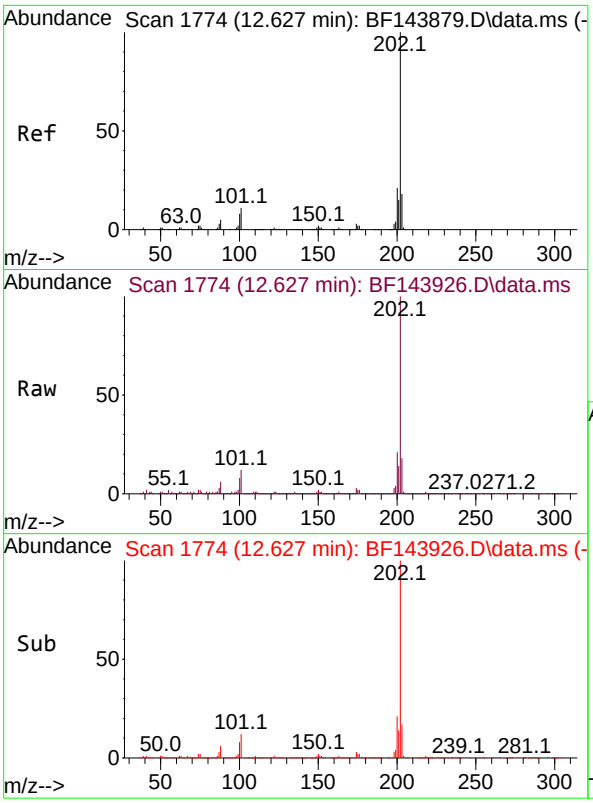


#73
Carbazole
Concen: 2.207 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:167 Resp: 30822

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.2	25.8
139	14.8	10.1	15.1



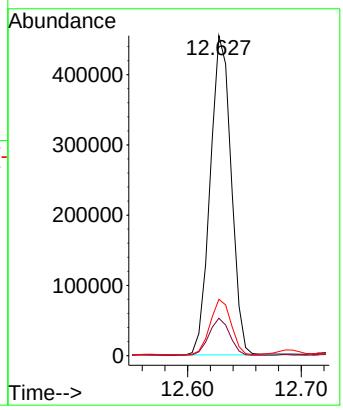


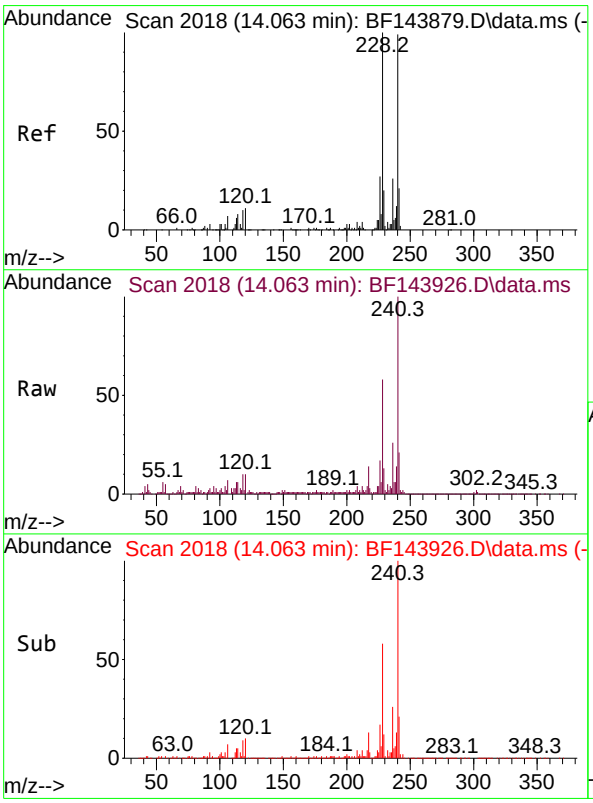
#75
Fluoranthene
Concen: 36.248 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:202 Resp: 584300

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	30.7
203	17.6	0.0	37.8

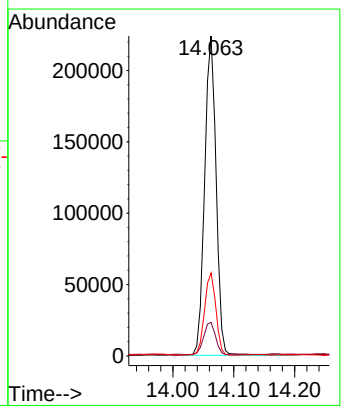


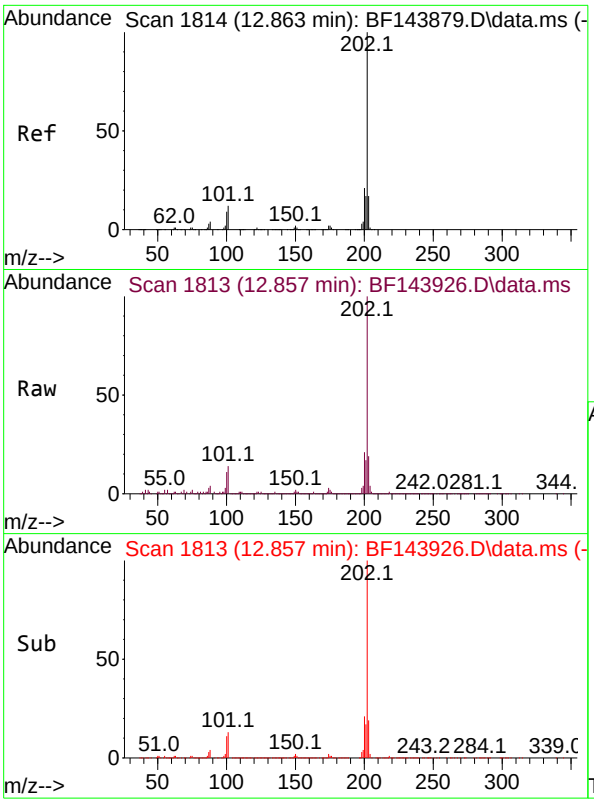


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:240 Resp: 291502

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	25.9	21.1	31.7



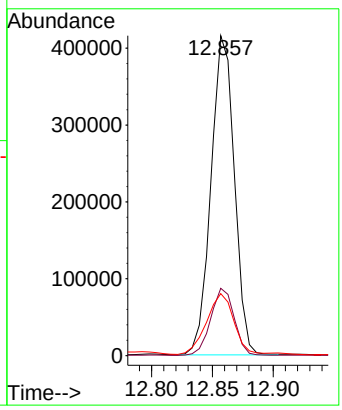


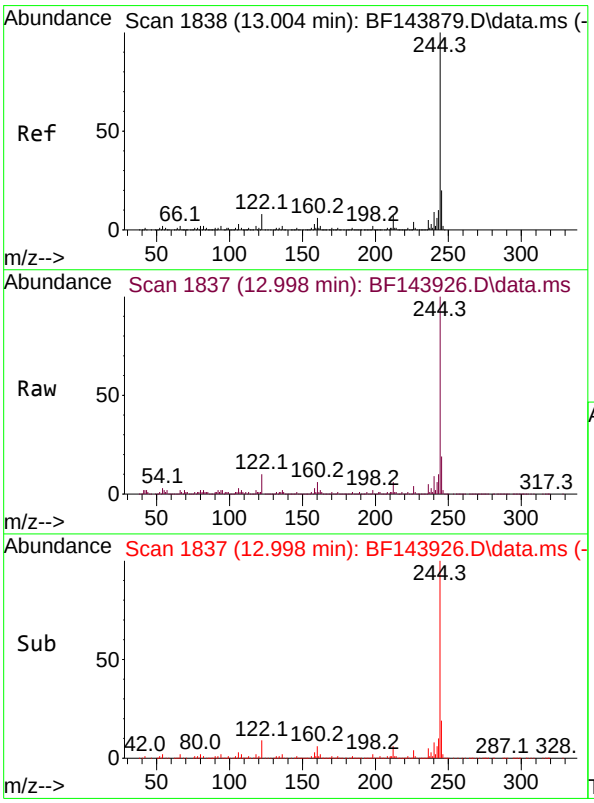
#78
Pyrene
Concen: 22.785 ng
RT: 12.857 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:202 Resp: 553727

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	19.4	13.8	20.6

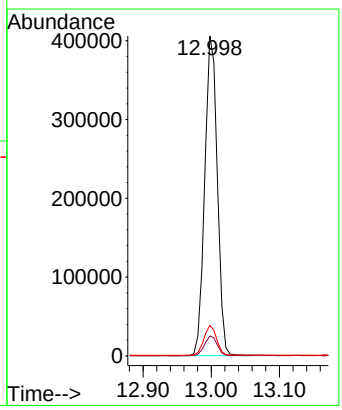


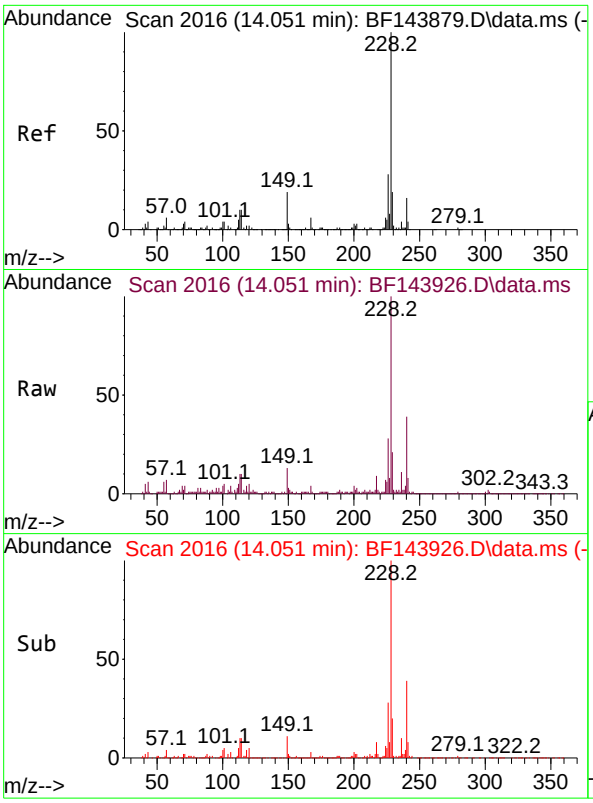


#79
Terphenyl-d14
Concen: 30.560 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:244 Resp: 521233

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	9.5	6.4	9.6



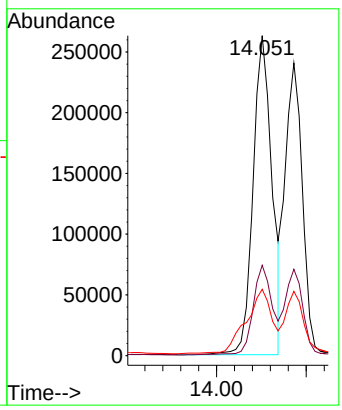


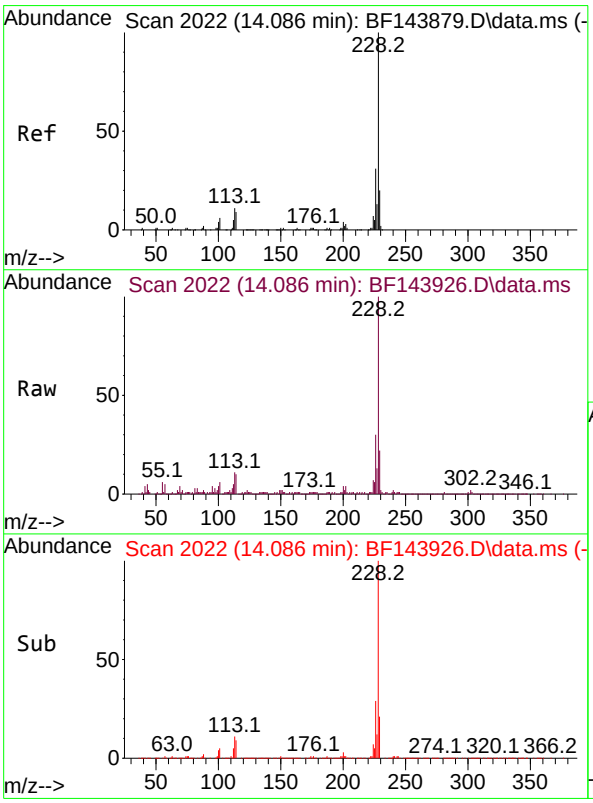
#81
Benzo(a)anthracene
Concen: 20.177 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:228 Resp: 384901

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.2
229	20.7	15.6	23.4

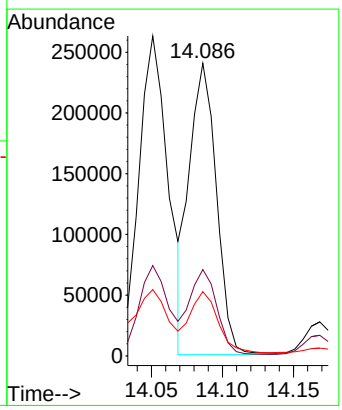


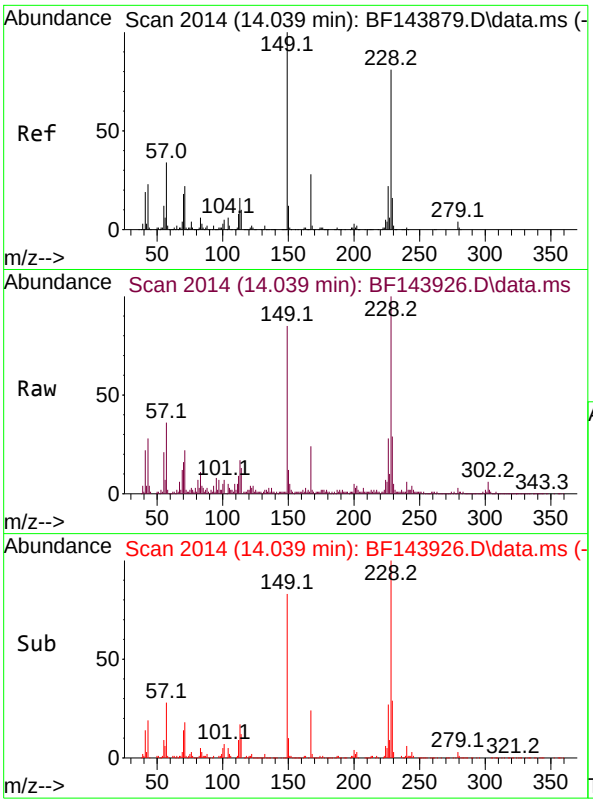


#83
Chrysene
Concen: 18.099 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:228 Resp: 319540

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	21.9	15.9	23.9



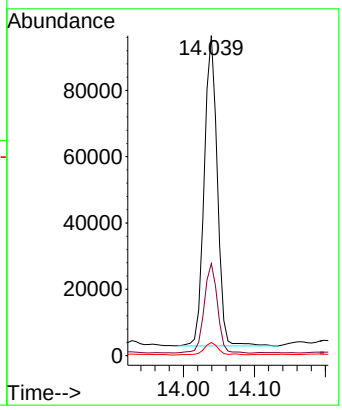


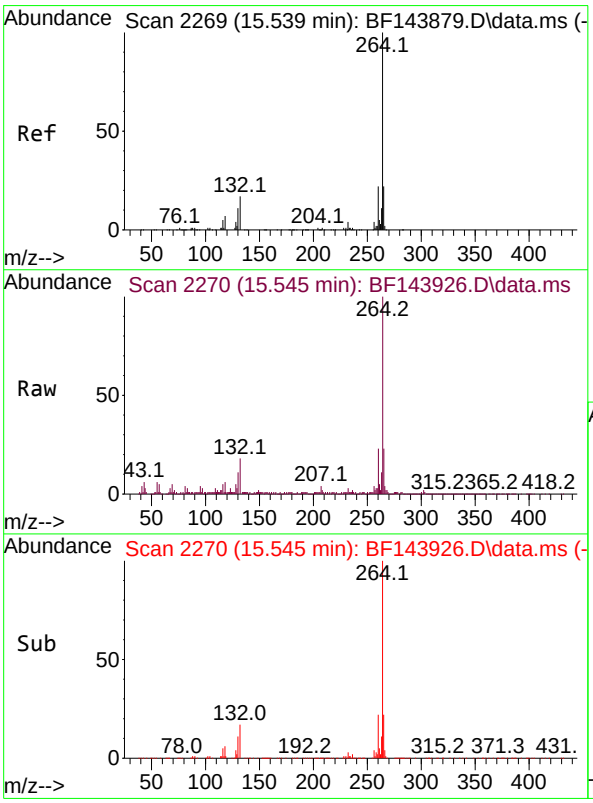
#84
Bis(2-ethylhexyl)phthalate
Concen: 12.507 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:149 Resp: 118990

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.4
279	4.1	3.1	4.7

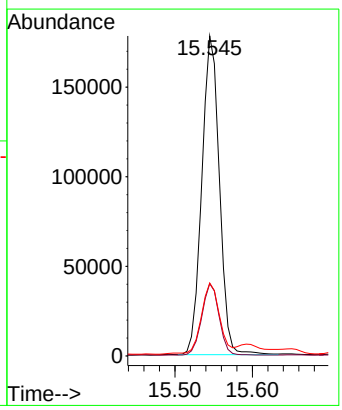


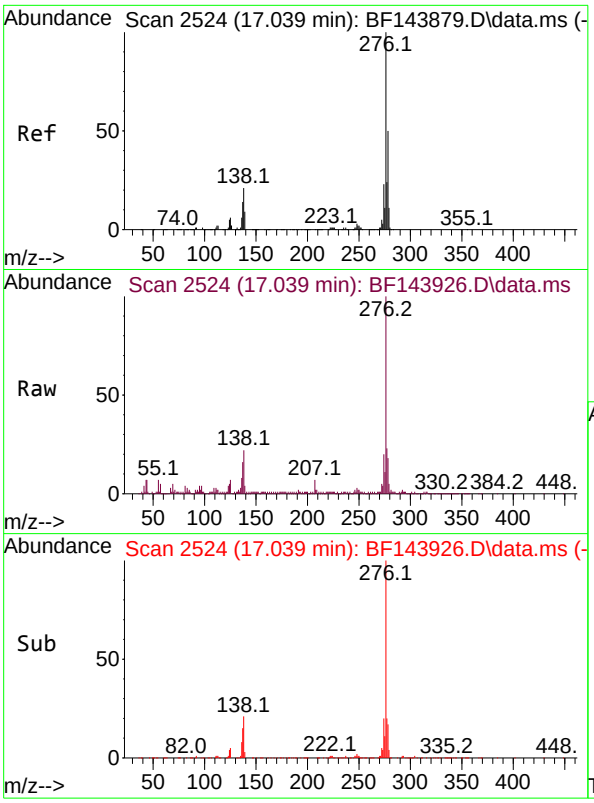


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:264 Resp: 280555

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.8	26.8
265	22.8	17.5	26.3



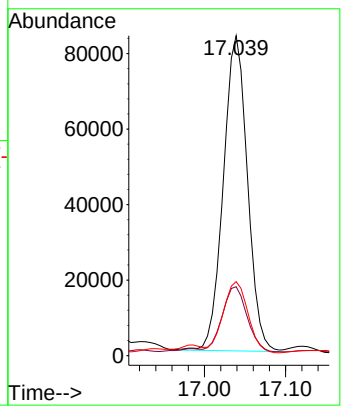


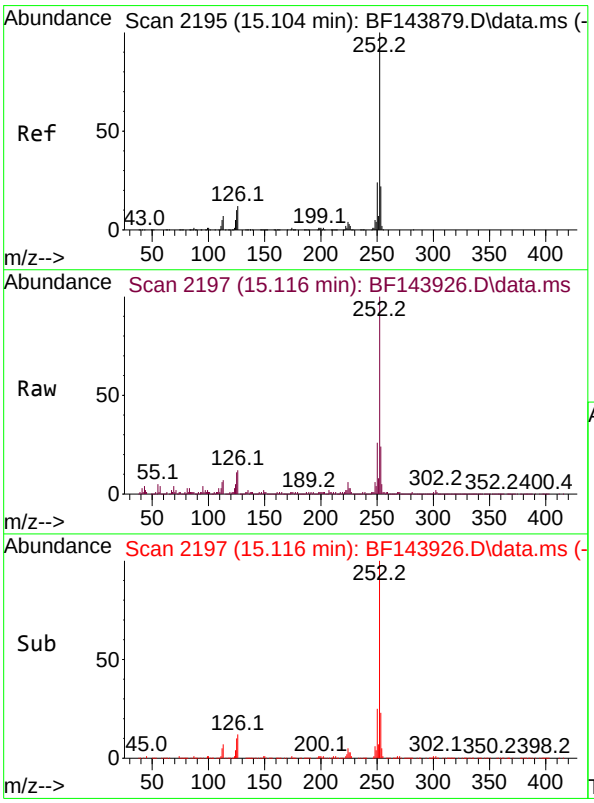
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.019 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:276 Resp: 172242

Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.2	27.2
277	23.5	19.8	29.6

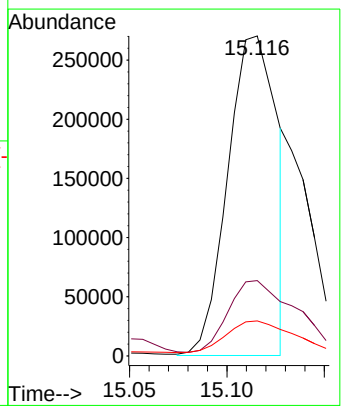


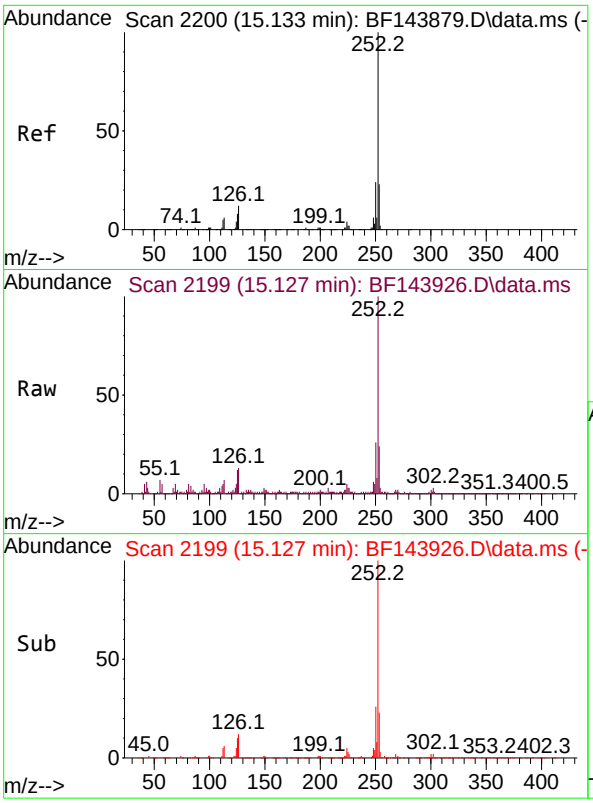


#88
Benzo(b)fluoranthene
Concen: 29.466 ng m
RT: 15.116 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:252 Resp: 474866

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	11.0	7.8	11.6



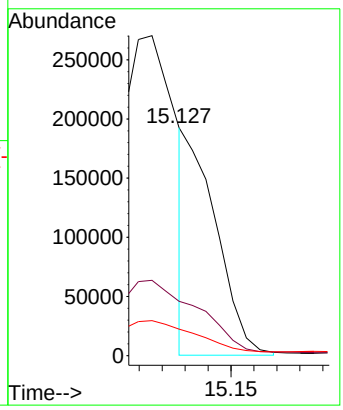


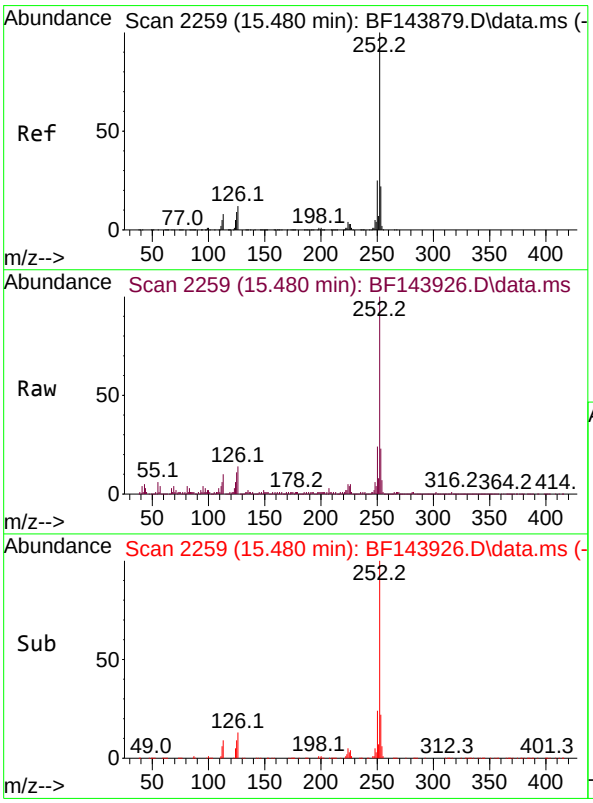
#89
Benzo(k)fluoranthene
Concen: 11.565 ng m
RT: 15.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:252 Resp: 172469

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	11.6	7.4	11.2#

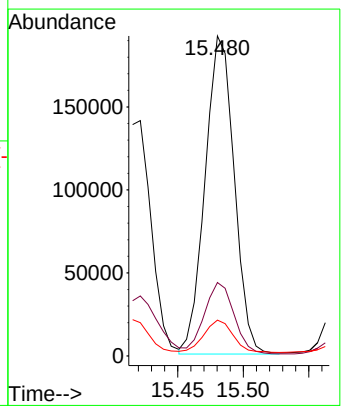


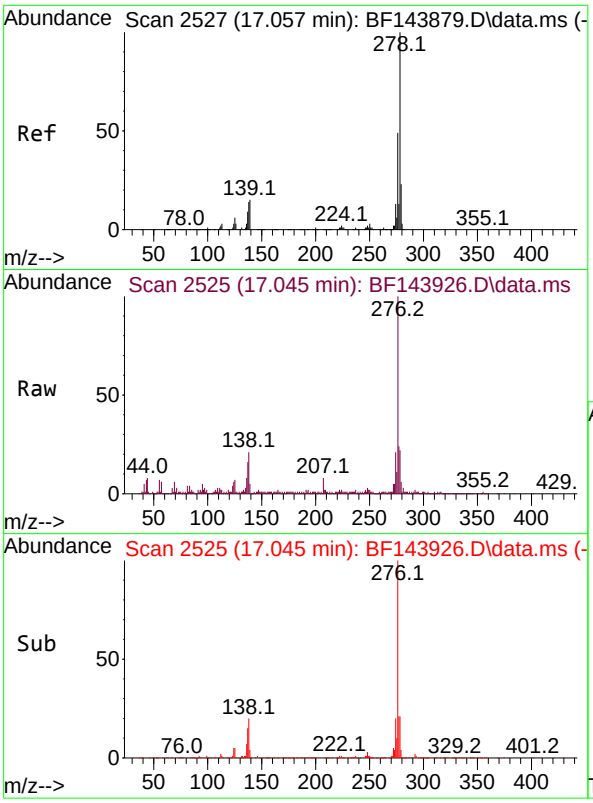


#90
Benzo(a)pyrene
Concen: 21.239 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:252 Resp: 296801

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	11.2	7.0	10.4#



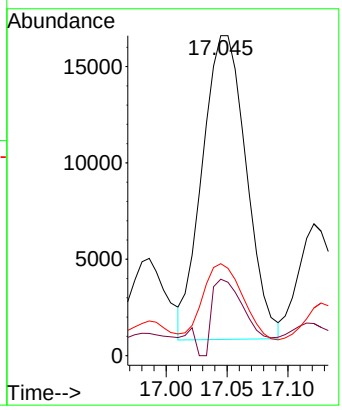


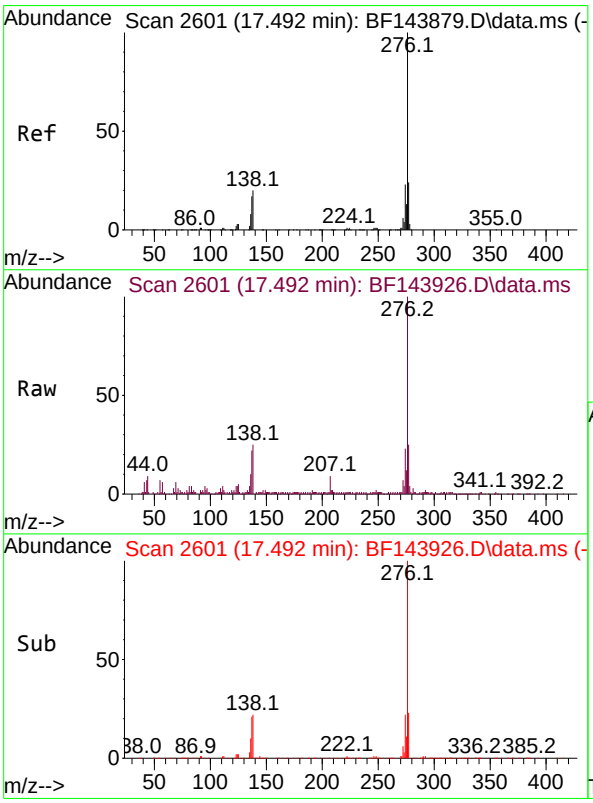
#91
Dibenzo(a,h)anthracene
Concen: 2.871 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion:278 Resp: 39701

Ion	Ratio	Lower	Upper
278	100		
139	23.9	11.7	17.5#
279	28.7	18.4	27.6#

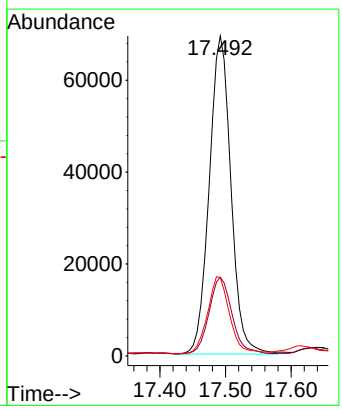




#92
Benzo(g,h,i)perylene
Concen: 11.511 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

Tgt Ion:276 Resp: 159145

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	24.5	16.1	24.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143926.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.293	180	187	195	rBV	27420	60337	2.87%	0.229%
2	3.393	195	204	216	rVB4	11512	29545	1.41%	0.112%
3	5.093	483	493	500	rBV2	22717	47765	2.27%	0.182%
4	5.493	554	561	573	rBV	1282180	1789803	85.16%	6.802%
5	5.587	573	577	584	rVB	18832	26575	1.26%	0.101%
6	6.434	713	721	725	rBV2	17402	32528	1.55%	0.124%
7	6.498	727	732	743	rVV	1279459	1762583	83.87%	6.698%
8	6.593	743	748	752	rVV	80054	103732	4.94%	0.394%
9	6.651	752	758	762	rVV	18253	26368	1.25%	0.100%
10	6.710	762	768	772	rVB3	11506	21641	1.03%	0.082%
11	6.881	792	797	803	rBV	545385	670684	31.91%	2.549%
12	6.940	803	807	814	rBV4	12012	21425	1.02%	0.081%
13	7.281	858	865	869	rBV2	20373	30209	1.44%	0.115%
14	7.440	886	892	897	rBV	836498	1069508	50.89%	4.064%
15	7.693	931	935	944	rVB	18476	29268	1.39%	0.111%
16	8.098	996	1004	1009	rBV10	11778	23378	1.11%	0.089%
17	8.163	1009	1015	1022	rBV	658308	857191	40.79%	3.258%
18	8.322	1037	1042	1049	rBV2	61046	109113	5.19%	0.415%
19	8.416	1054	1058	1063	rVV	74903	94982	4.52%	0.361%
20	8.469	1063	1067	1077	rVB3	28715	70035	3.33%	0.266%
21	8.587	1082	1087	1092	rBV2	128954	161528	7.69%	0.614%
22	8.751	1109	1115	1124	rVB7	13875	32116	1.53%	0.122%
23	8.875	1129	1136	1141	rVB5	20563	43708	2.08%	0.166%
24	8.934	1141	1146	1150	rVB	56305	67257	3.20%	0.256%
25	9.239	1192	1198	1203	rBV	1226312	1562479	74.35%	5.938%
26	9.316	1208	1211	1219	rVB2	16355	26199	1.25%	0.100%
27	9.575	1250	1255	1258	rBV	16586	26184	1.25%	0.100%
28	9.775	1285	1289	1294	rBV	13957	22041	1.05%	0.084%
29	9.845	1297	1301	1305	rBV	17406	23423	1.11%	0.089%
30	9.922	1305	1314	1318	rVV	682523	894837	42.58%	3.401%
31	9.951	1318	1319	1323	rVB	55335	47904	2.28%	0.182%
32	10.081	1335	1341	1344	rBV6	18774	35272	1.68%	0.134%
33	10.122	1344	1348	1352	rVV2	34243	52974	2.52%	0.201%
34	10.275	1370	1374	1378	rVB	33119	41534	1.98%	0.158%
35	10.334	1379	1384	1392	rBV2	45820	81124	3.86%	0.308%
36	10.469	1402	1407	1412	rVB	45725	60728	2.89%	0.231%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.633	1430	1435	1442	rVB	194378	248447	11.82%	0.944%
38	10.710	1442	1448	1462	rBV	724831	979697	46.62%	3.723%
39	10.833	1463	1469	1476	rVV3	37352	75963	3.61%	0.289%
40	11.016	1494	1500	1503	rBV5	21803	43098	2.05%	0.164%
41	11.216	1530	1534	1538	rBV	26054	36598	1.74%	0.139%
42	11.269	1539	1543	1547	rVV4	49087	78051	3.71%	0.297%
43	11.304	1547	1549	1555	rVB	32410	41826	1.99%	0.159%
44	11.410	1562	1567	1570	rBV	615670	954134	45.40%	3.626%
45	11.433	1570	1571	1576	rVV	485629	423496	20.15%	1.609%
46	11.486	1576	1580	1583	rVV	96139	117312	5.58%	0.446%
47	11.586	1593	1597	1601	rBV	57472	73761	3.51%	0.280%
48	11.639	1601	1606	1613	rBV2	60932	120045	5.71%	0.456%
49	11.704	1614	1617	1621	rBV2	27519	37452	1.78%	0.142%
50	11.869	1642	1645	1648	rBV4	22869	32683	1.56%	0.124%
51	11.939	1649	1657	1663	rBV2	531611	847122	40.31%	3.219%
52	12.028	1668	1672	1678	rVV2	114785	219546	10.45%	0.834%
53	12.075	1678	1680	1683	rVB	42056	46214	2.20%	0.176%
54	12.210	1700	1703	1705	rBV	45676	58543	2.79%	0.222%
55	12.627	1769	1774	1786	rBV	1018004	1497035	71.23%	5.689%
56	12.722	1787	1790	1794	rBV	153458	236614	11.26%	0.899%
57	12.857	1807	1813	1819	rBV	910000	1429556	68.02%	5.433%
58	12.998	1833	1837	1844	rVB	993794	1364381	64.92%	5.185%
59	13.286	1884	1886	1890	rVB2	70687	78270	3.72%	0.297%
60	13.904	1988	1991	1998	rVB2	213825	332966	15.84%	1.265%
61	14.057	2010	2017	2020	rBV3	1023037	2101643	100.00%	7.987%
62	15.116	2191	2197	2205	rBV	684228	1630145	77.57%	6.195%
63	15.421	2244	2249	2254	rVB	343263	576145	27.41%	2.190%
64	15.480	2255	2259	2265	rVV	460030	725135	34.50%	2.756%
65	15.545	2266	2270	2285	rVB2	451166	997888	47.48%	3.792%
66	17.039	2519	2524	2533	rVB2	223259	469512	22.34%	1.784%
67	17.492	2596	2601	2613	rVB	173537	384148	18.28%	1.460%

Sum of corrected areas: 26313404

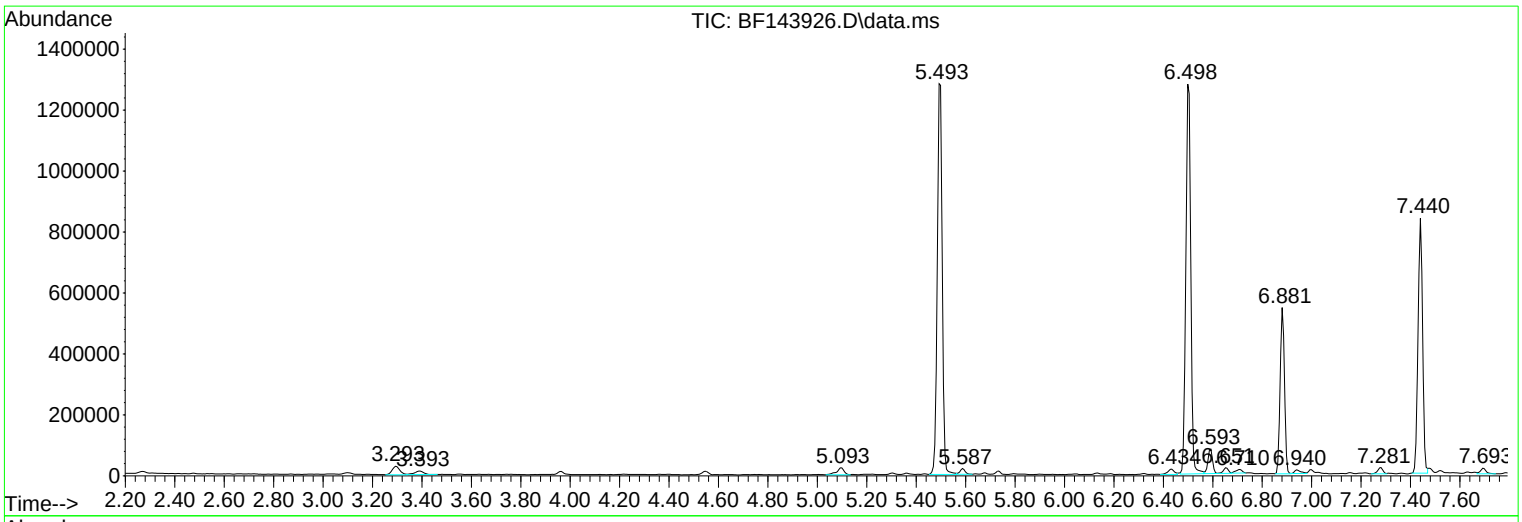
Sample Results: **BF143926.D**

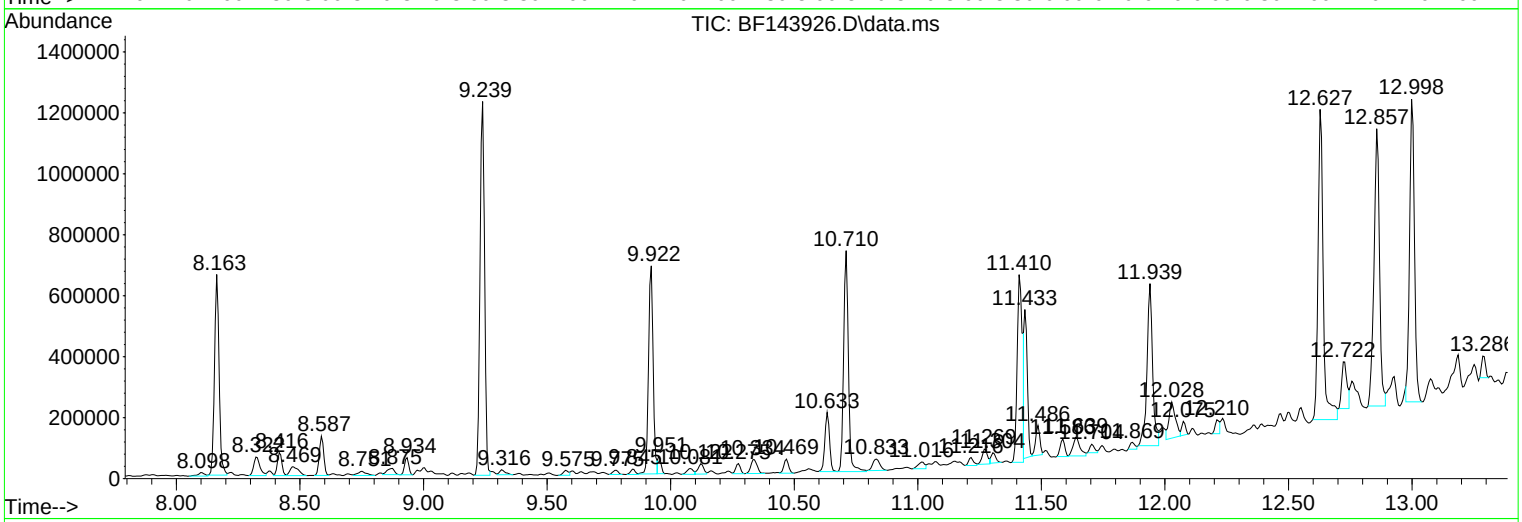
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

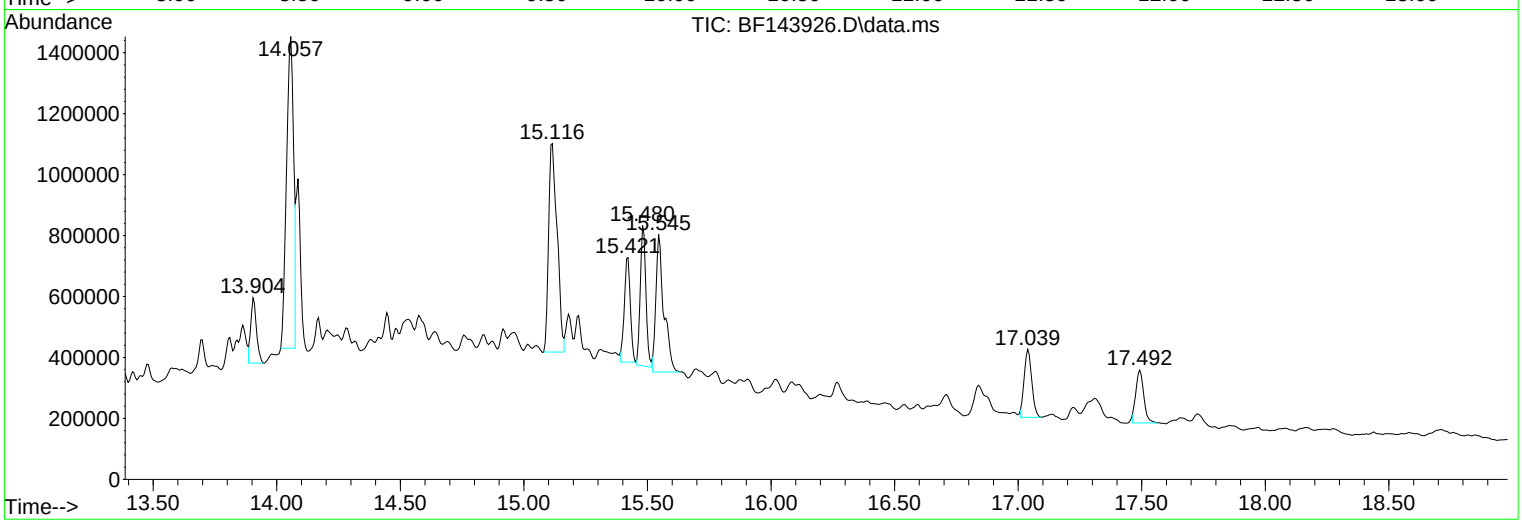
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

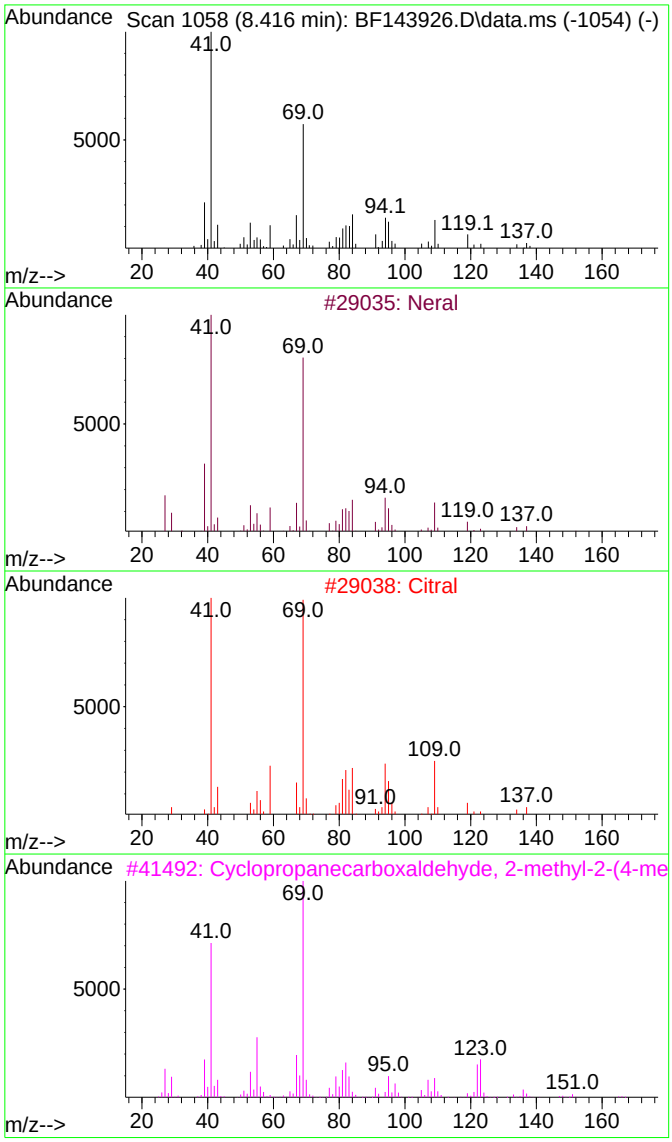
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

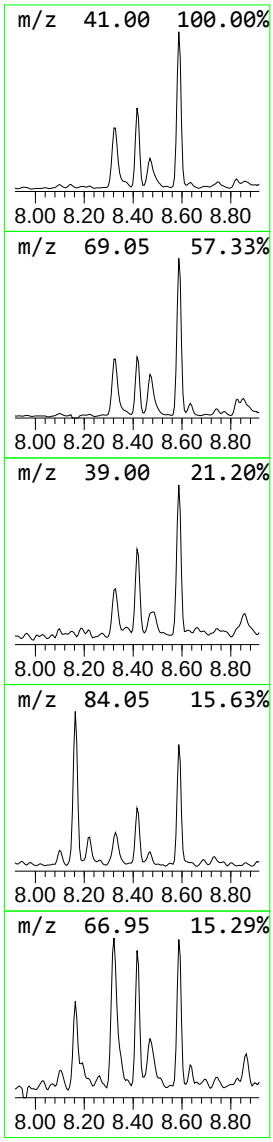
****

Peak Number 3 Neral Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.416	2.22 ng	94982	Naphthalene-d8	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neral	152	C10H16O	000106-26-3	90
2	Citral	152	C10H16O	005392-40-5	86
3	Cyclopropanecarboxaldehyde, 2-me...	166	C11H18O	097231-35-1	32
4	Verbenol	152	C10H16O	000473-67-6	32
5	1,4-Heptadiene, 3,3,6-trimethyl-	138	C10H18	074498-89-8	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

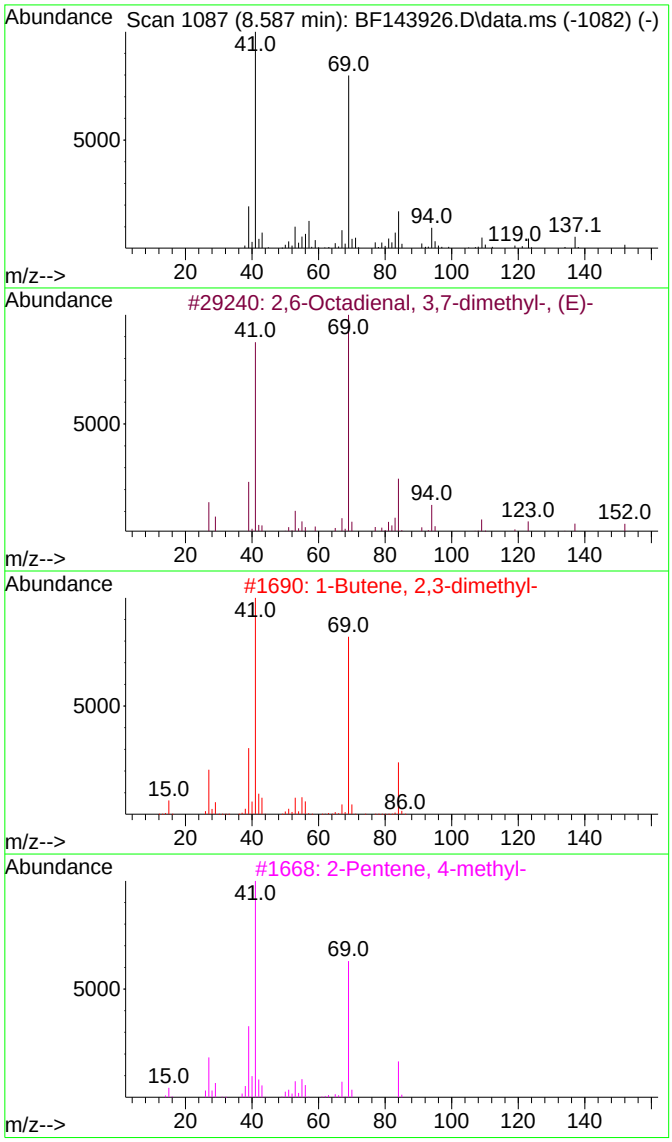
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

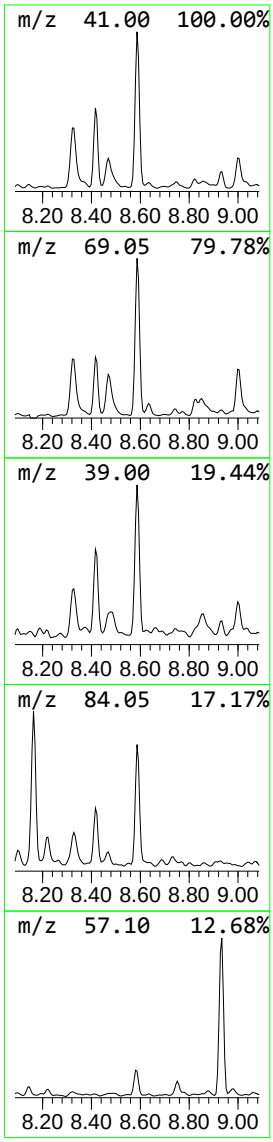
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,6-Octadienal, 3,7-dimethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.587	3.77 ng	161528	Naphthalene-d8	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadienal, 3,7-dimethyl-, (E)-	152	C10H16O	000141-27-5	87
2	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	64
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	64
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	64
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

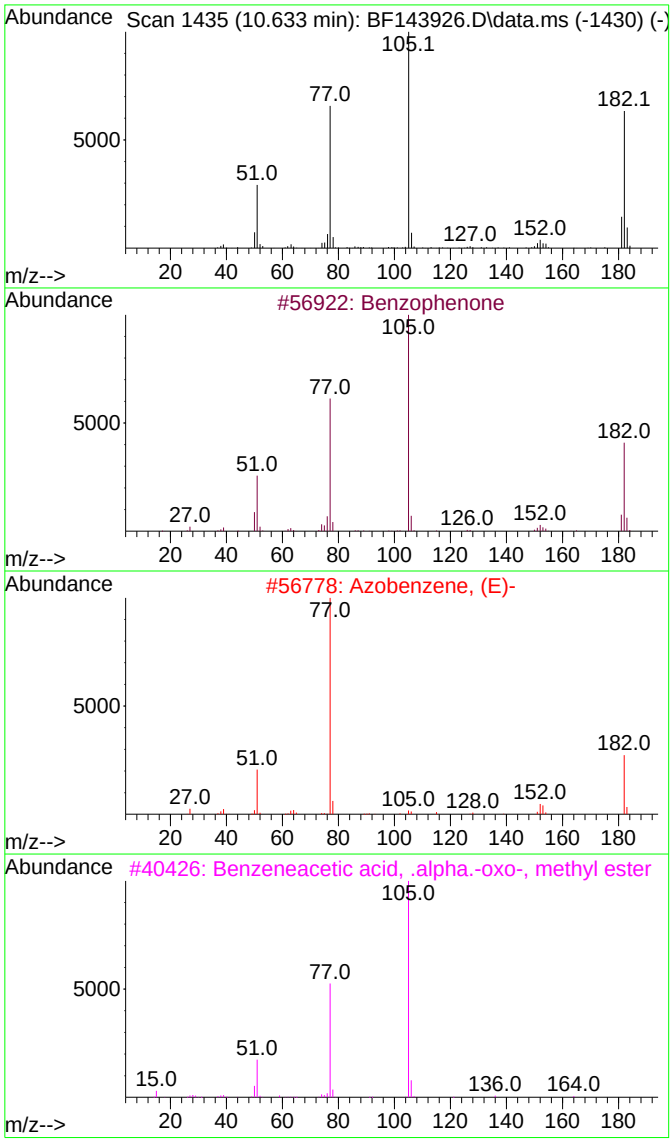
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

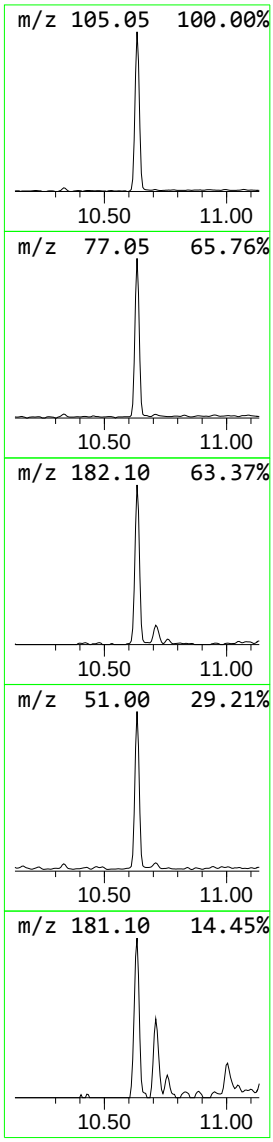
****

Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	5.55 ng	248447	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	53
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	46
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43
5	Methyl benzilate	242	C15H14O3	000076-89-1	43





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On    : 10 Oct 2025  15:51
Operator  : RC/JU
Sample    : Q3321-01
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

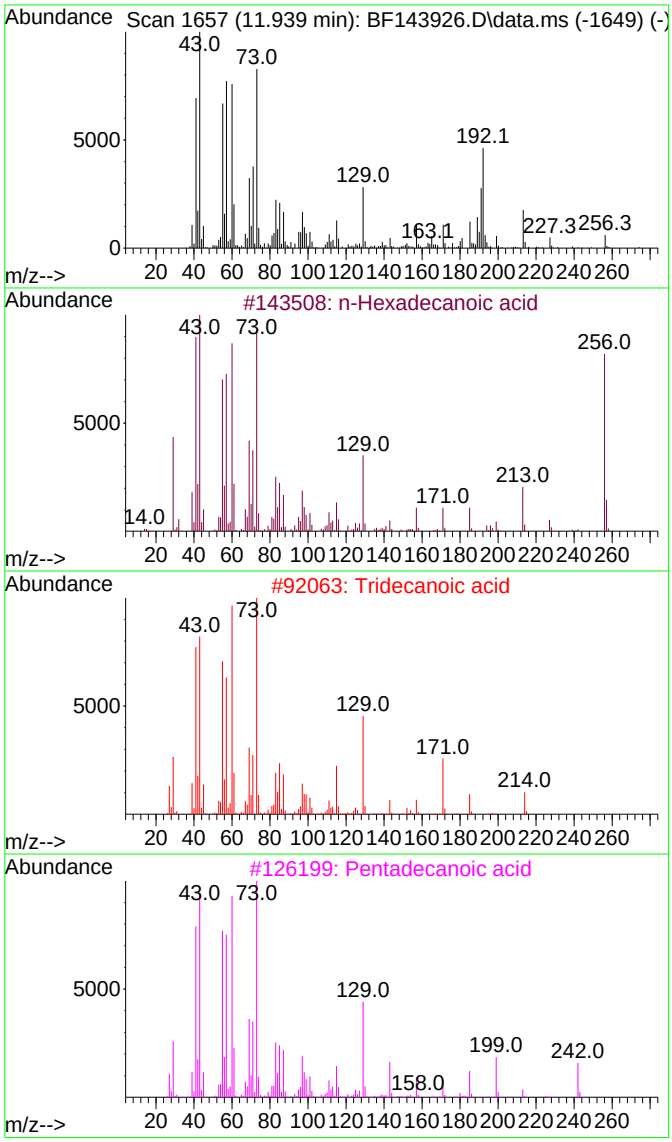
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

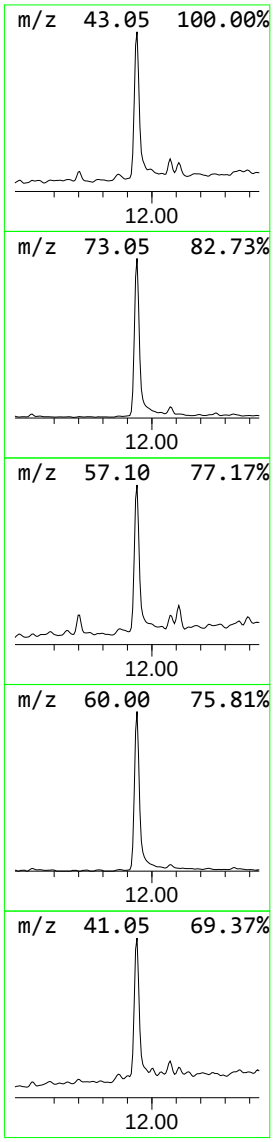
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	17.76 ng	847122	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	50
5	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

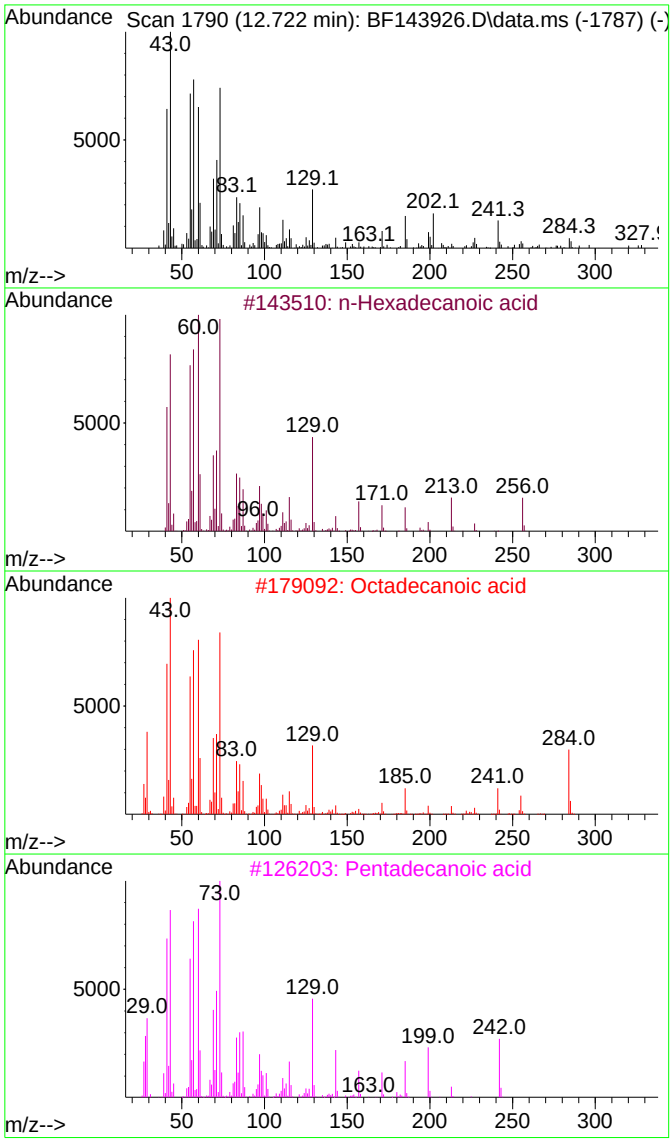
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

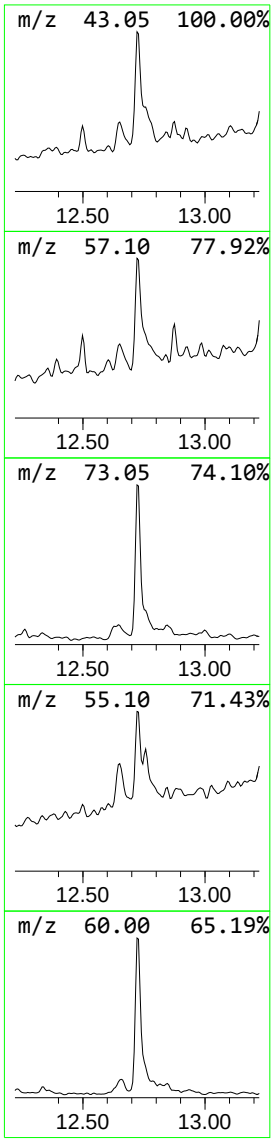
****

Peak Number 8 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	4.96 ng	236614	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Dodecanoic acid	200	C12H24O2	000143-07-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

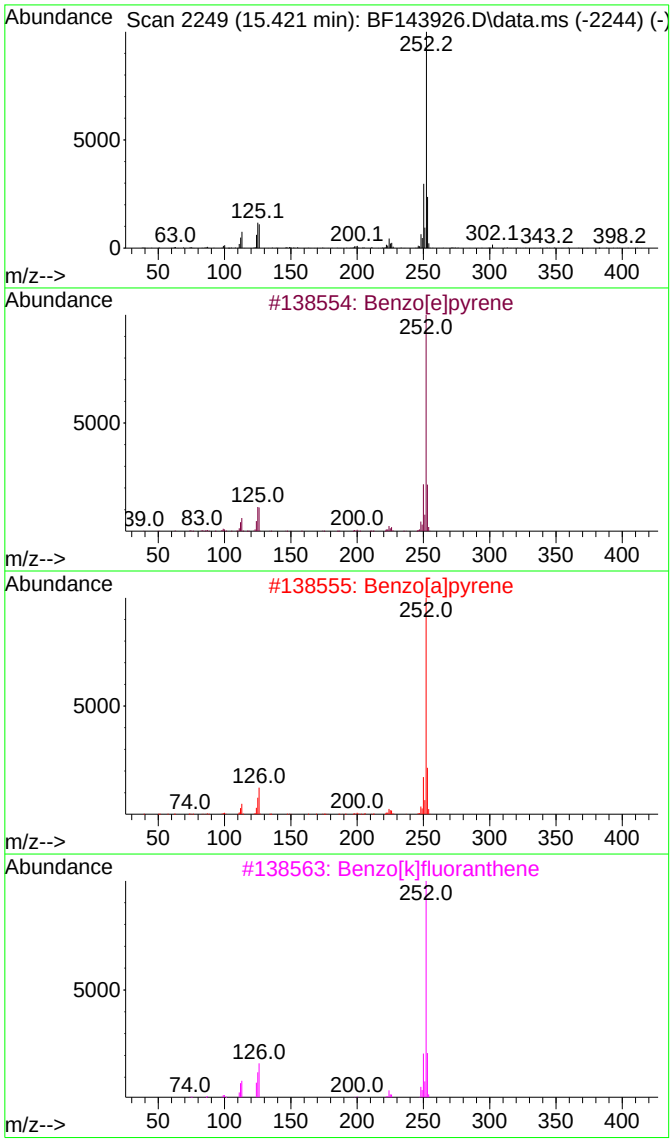
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

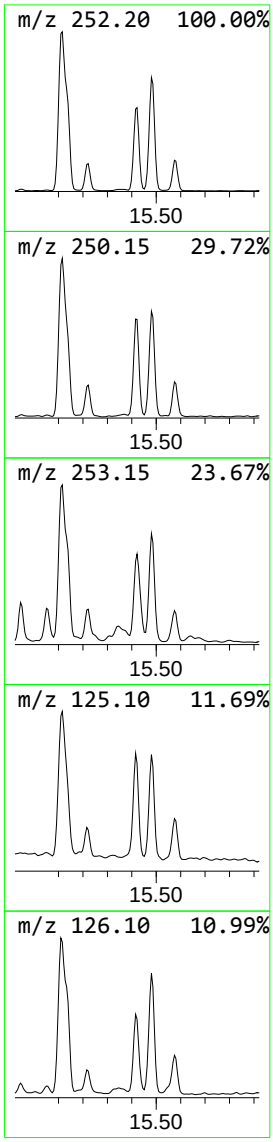
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	11.55 ng	576145	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Neral	8.416	2.2	ng	94982	2	8.163	857191	20.0
2,6-Octadienal,...	8.587	3.8	ng	161528	2	8.163	857191	20.0
Benzophenone	10.634	5.5	ng	248447	3	9.922	894837	20.0
n-Hexadecanoic ...	11.939	17.8	ng	847122	4	11.410	954134	20.0
Octadecanoic acid	12.722	5.0	ng	236614	4	11.410	954134	20.0
Benzo[e]pyrene	15.421	11.6	ng	576145	6	15.545	997888	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF1438
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96
3)		Pyridine		1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74
4)		n-Nitrosodimet...			0.825	0.895	0.909	0.917	0.909	0.900	0.893	3.81
5)	S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)		Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7)	S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)		2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)		Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10)	C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)		bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)		1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13)	C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)		1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)		Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)		2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)		2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)		Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19)	P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)		3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23)	S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)		Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)		Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26)	C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)		2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)		bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29)	C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)		1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)		Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)		Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)		4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34)	C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)		Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36)	C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)		2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)		1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

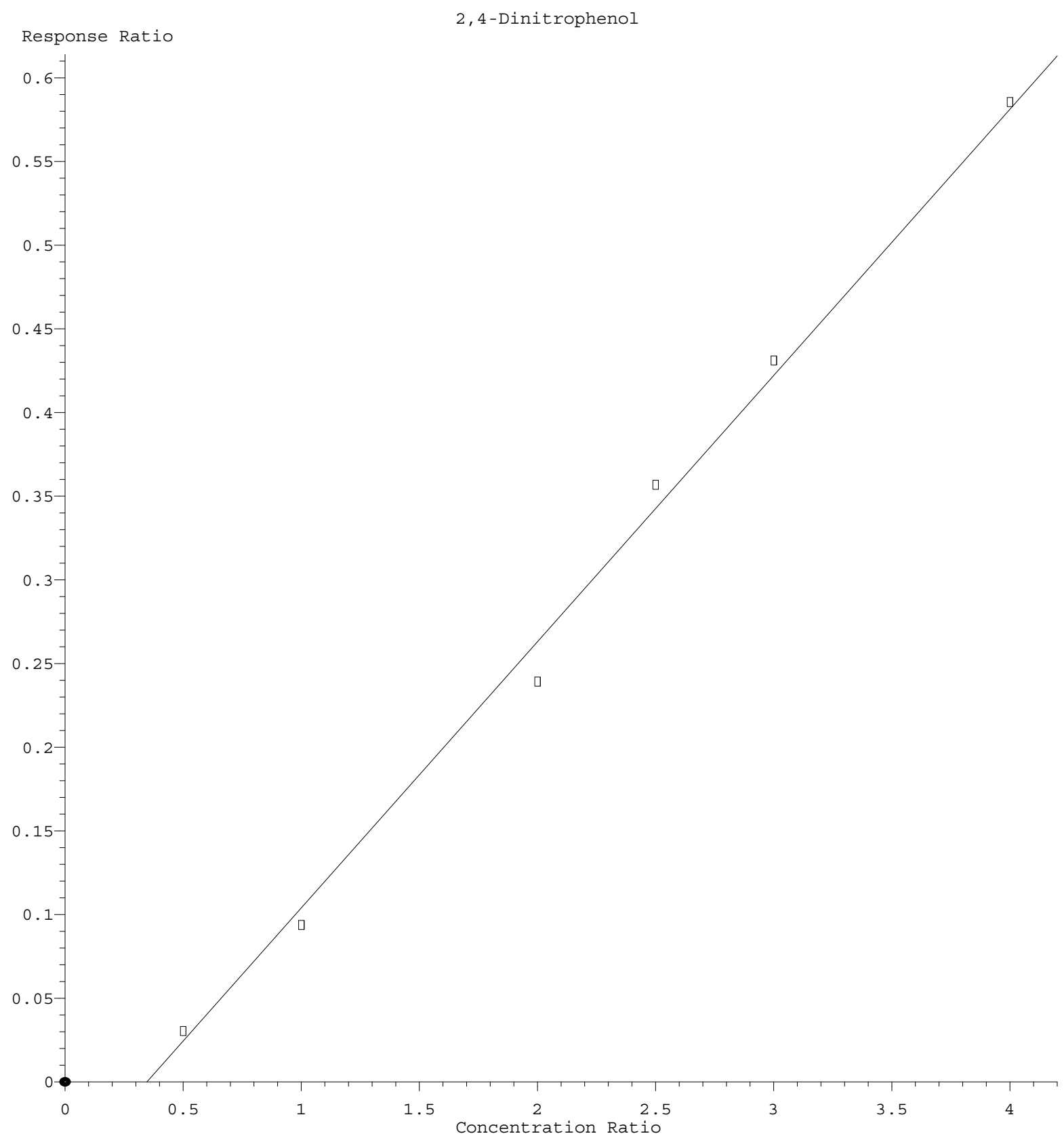
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38
41)	P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77
42)	S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51
43)	C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07
44)		2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34
45)	S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04
46)		1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77
47)		2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50
48)		2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43
49)		Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11
50)		Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29
51)		2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13
52)	C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21
53)		3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59
54)	P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25
55)		Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13
56)	P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55
57)		2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30
58)		Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21
59)		2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49
60)		Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62
61)		4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43
62)		4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25
63)		Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26
66)	c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22
67)		4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74
68)		Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59
69)		Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44
70)	C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10
71)		Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94
72)		Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43
73)		Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10
74)		Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76
75)	C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16
78)		Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87
79)	S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70
80)		Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31
81)		Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49
82)		3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41
83)		Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41
84)		Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70
85)	c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)		Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)		Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90)	C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)		Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)		Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range



Response = 1.591e-001 * Amt - 5.521e-002
Coef of Det (r^2) = 0.995474 Curve Fit: wlr(1/a)
Method Name: Z:\BNA-20\HPCHEM1\BNA F\Methods\8270-BF100625.M
Calibration Table Last Updated: Mon Oct 06 15:29:47 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143875.D
Acq On : 06 Oct 2025 09:59
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

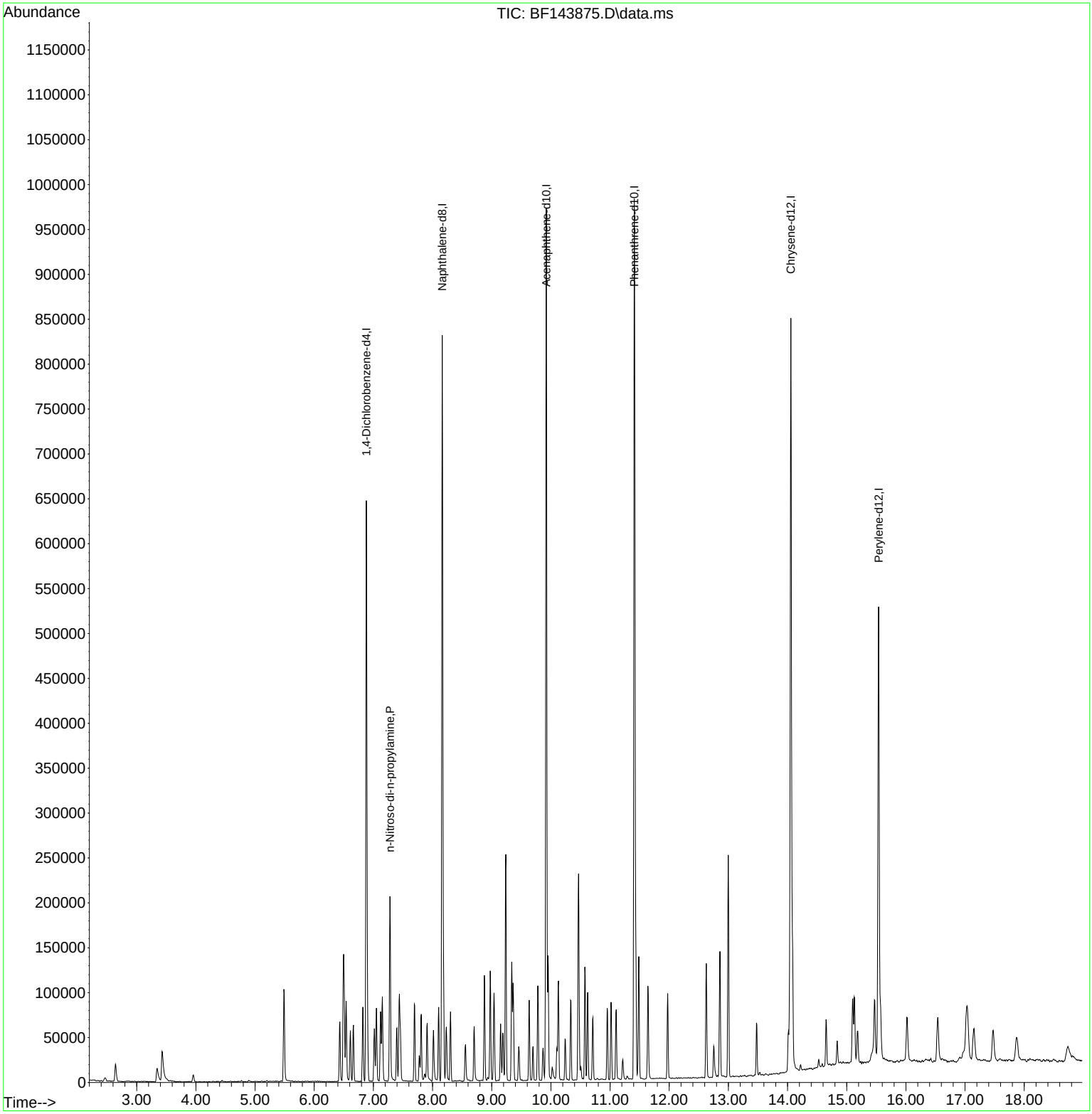
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373433	20.000	ng	-0.01
86) Perylene-d12	15.539	264	316147	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...	7.281	70	16847	2.559	ng	98

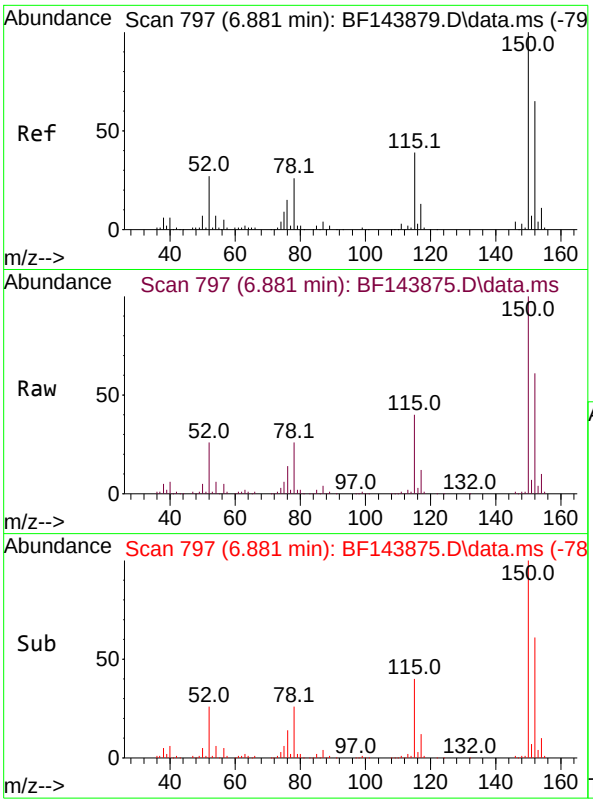
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143875.D
Acq On : 06 Oct 2025 09:59
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



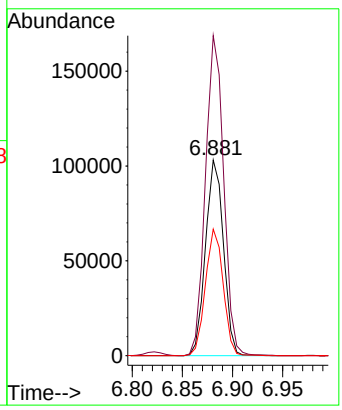


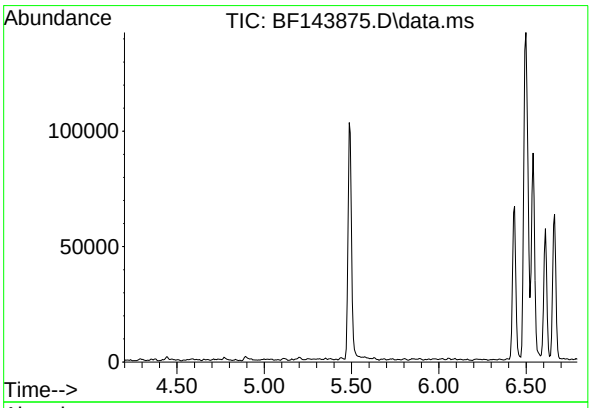
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 128129

Ion	Ratio	Lower	Upper
152	100		
150	163.6	124.4	186.6
115	64.7	48.1	72.1



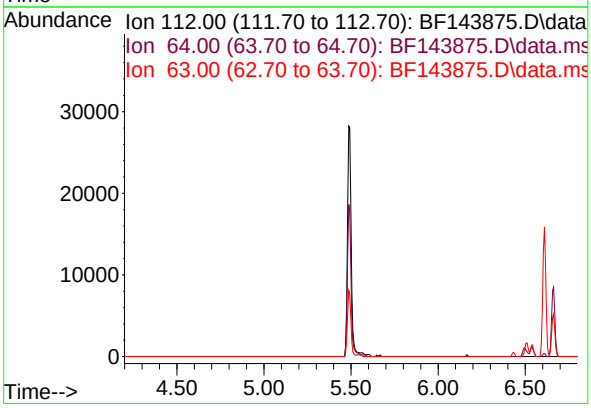


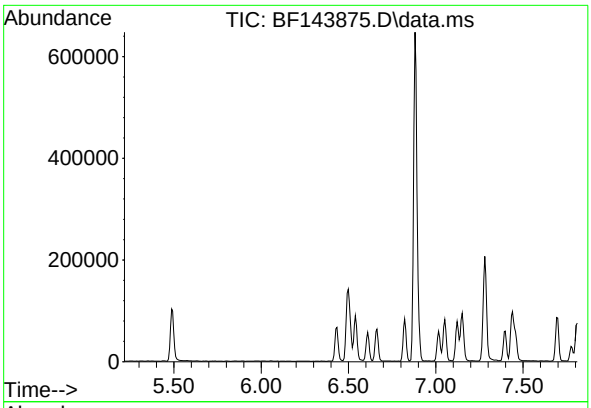
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.4
63	30.6





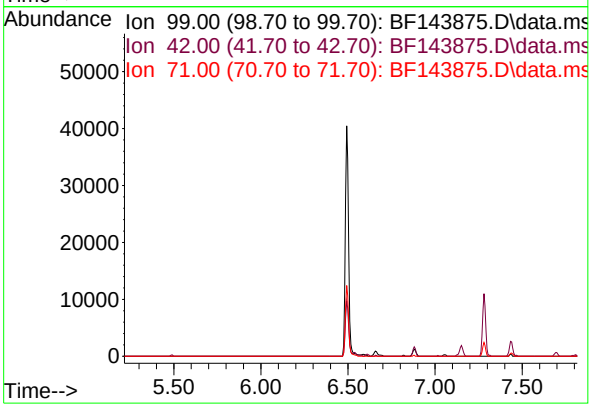
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

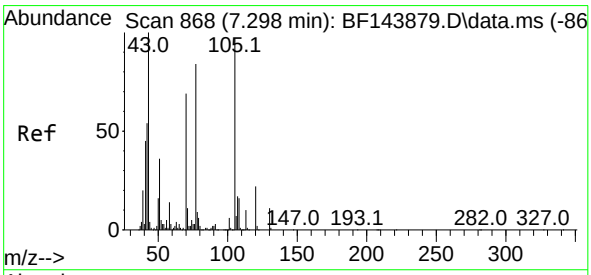
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

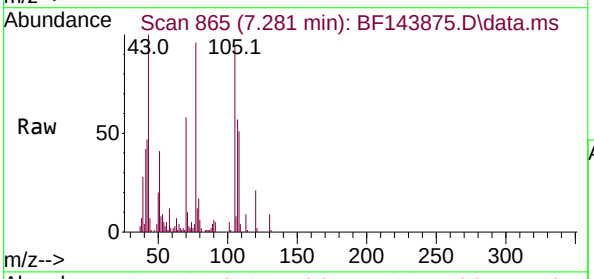
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

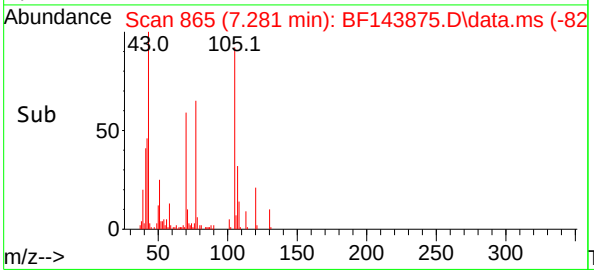
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	26.2
71	34.8





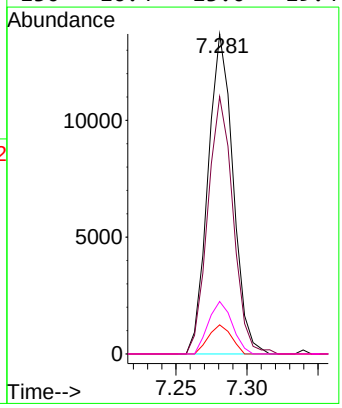


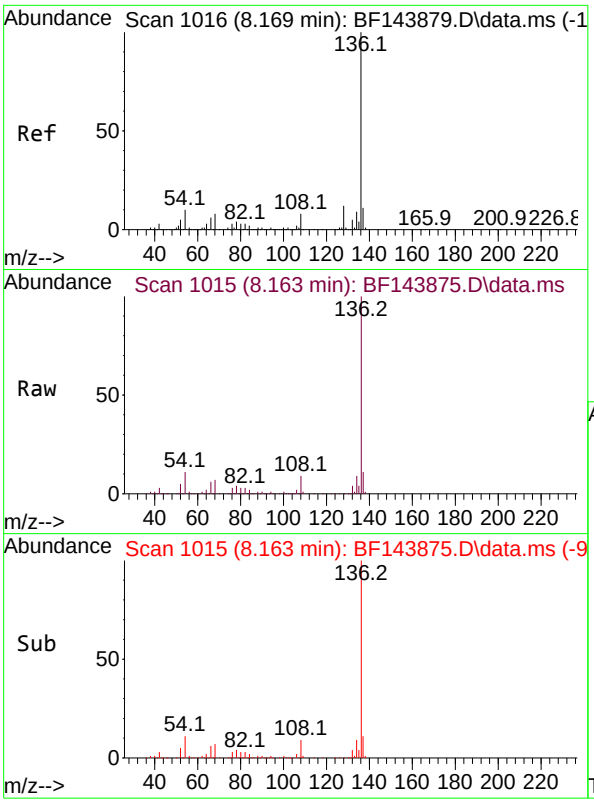


#19
n-Nitroso-di-n-propylamine
Concen: 2.559 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 70 Resp: 16847

Ion	Ratio	Lower	Upper
70	100		
42	80.4	62.8	94.2
101	9.1	6.7	10.1
130	16.4	13.0	19.4



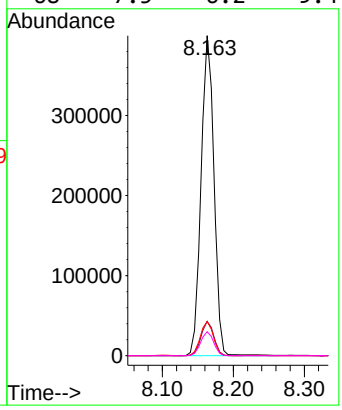


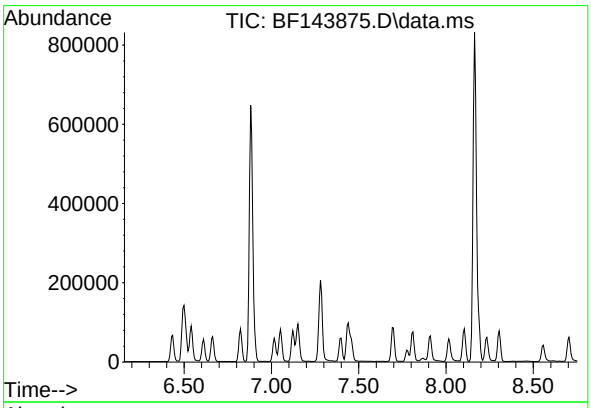
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 501174

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.7	8.2	12.4
68	7.5	6.2	9.4



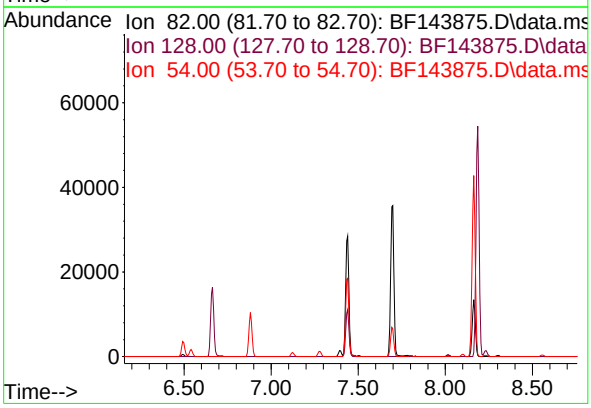


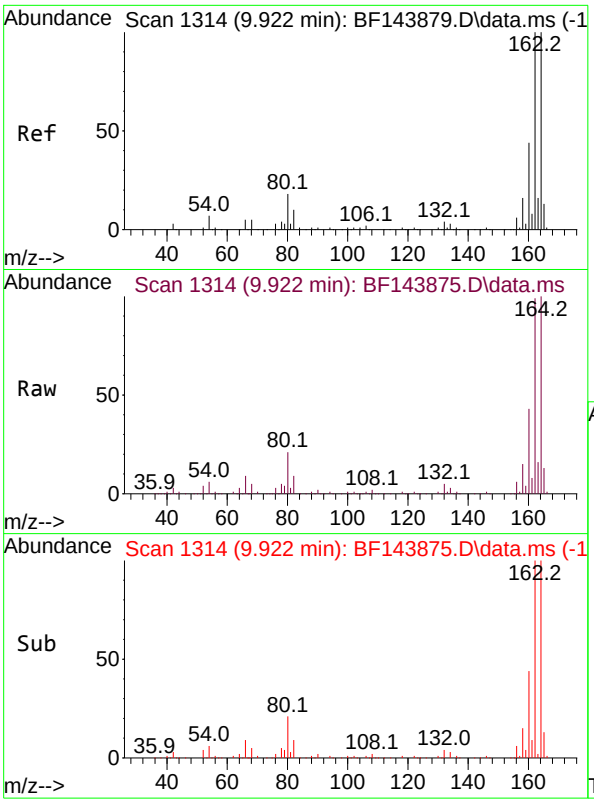
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.46 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.5
54	66.5



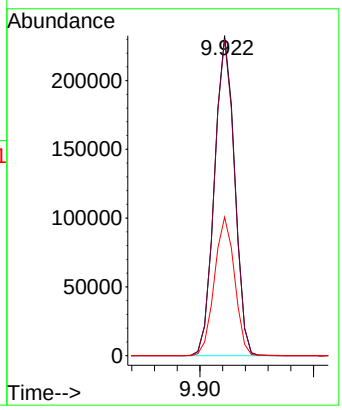


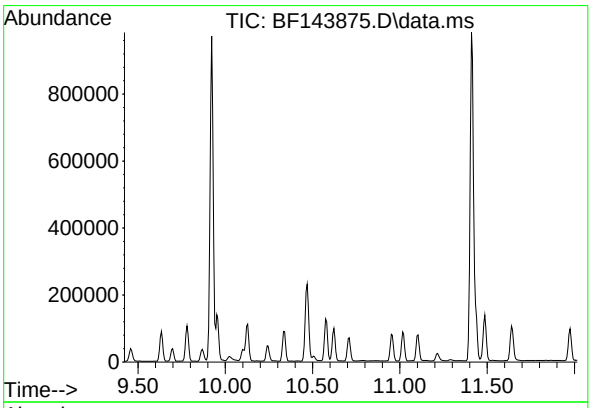
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 285618

Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.2
160	43.3	35.4	53.0



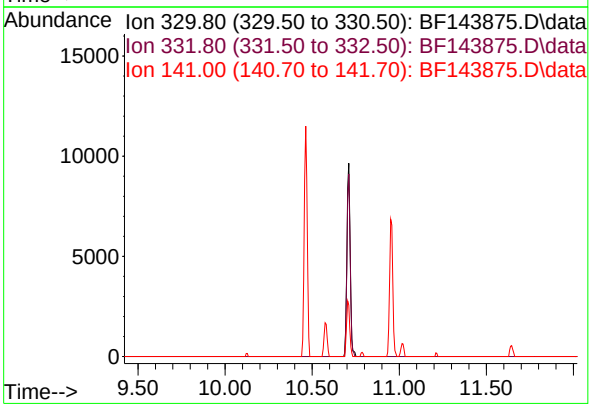


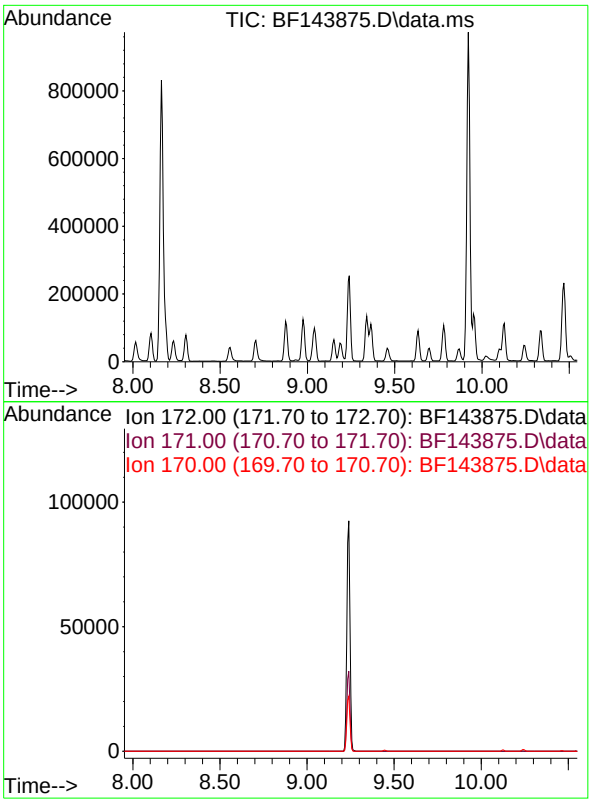
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	25.3





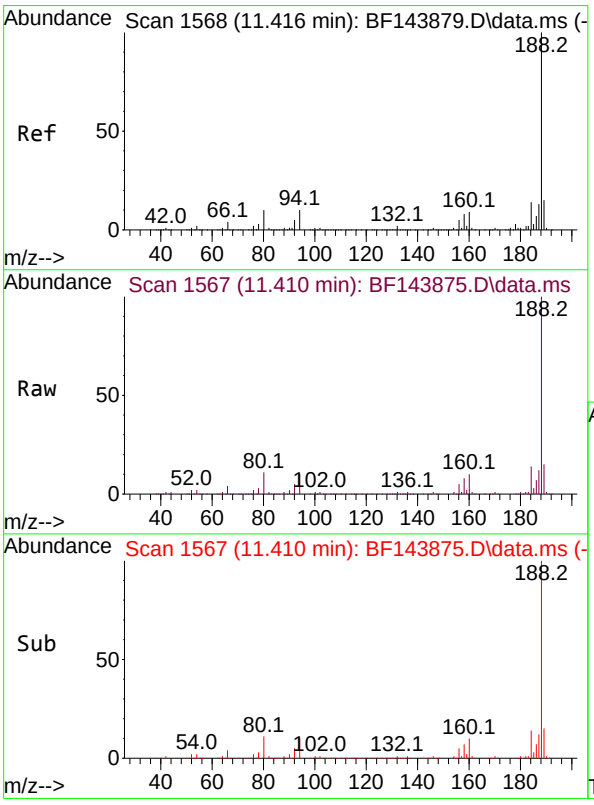
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

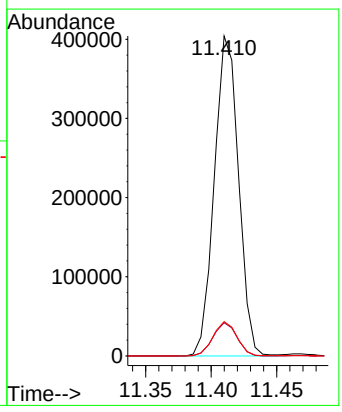
Sig	Exp Ratio
172	100
171	34.2
170	23.3

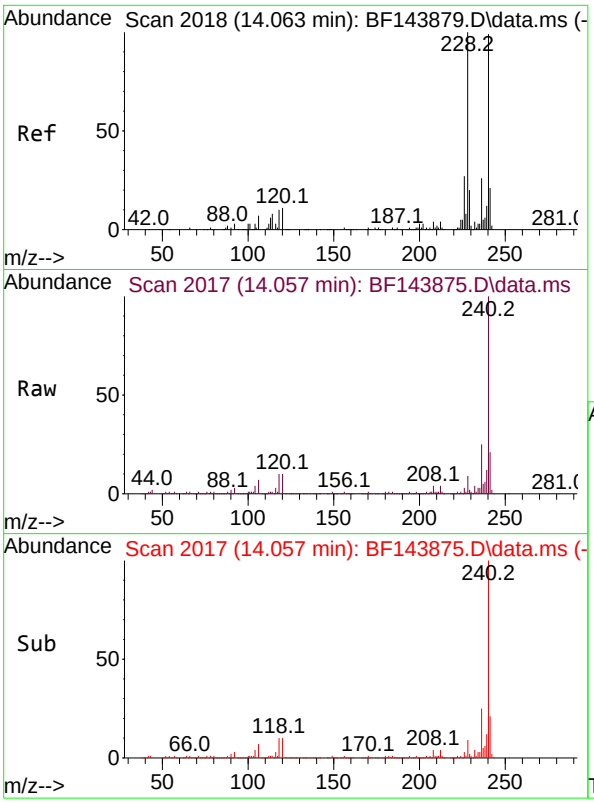


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion:188 Resp: 520523

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	10.7	7.9	11.9



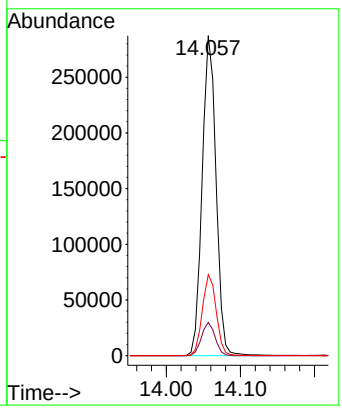


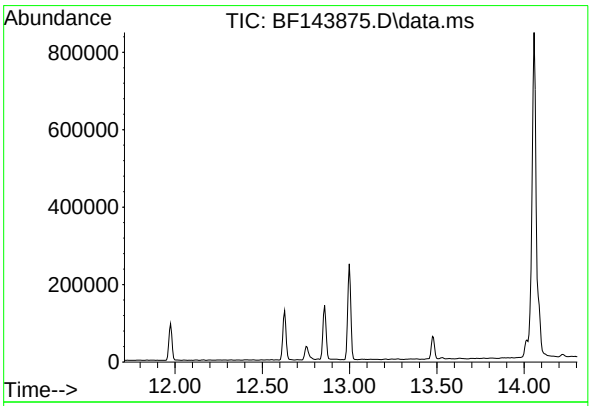
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 373433

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	25.3	21.1	31.7



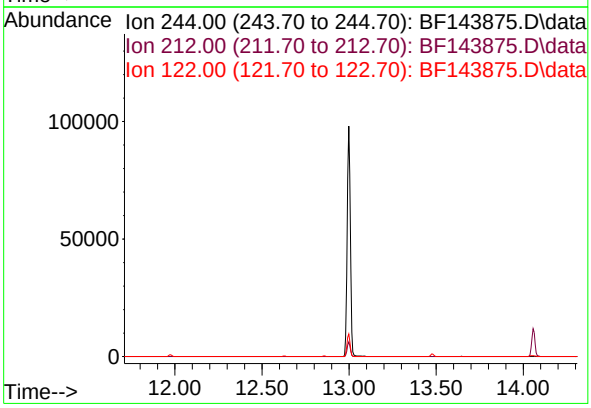


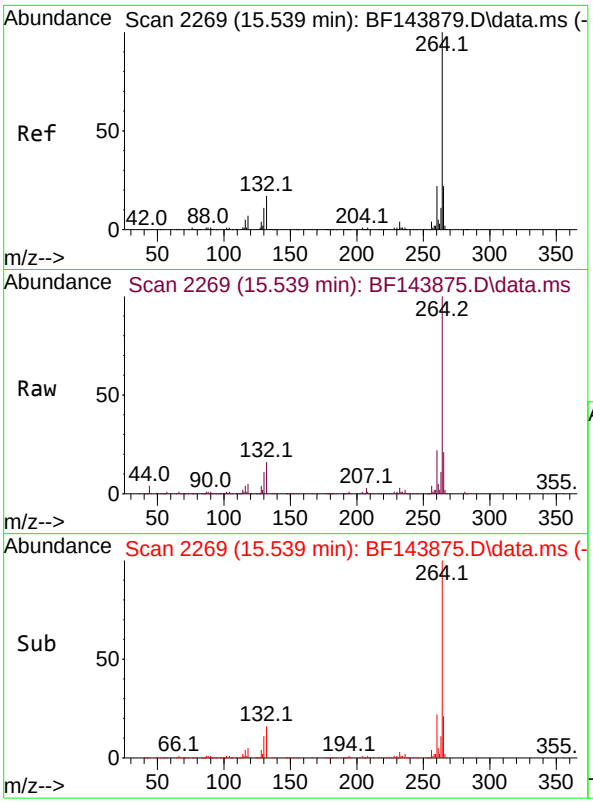
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.01 min

Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	8.0



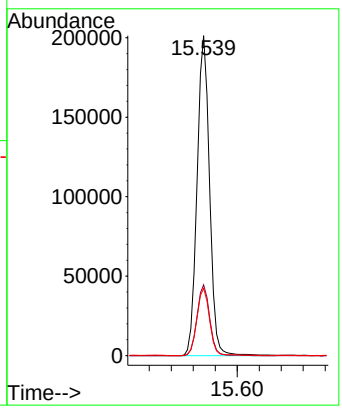


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 316147

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.8	26.8
265	21.0	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	137596	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	524114	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	303230	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	538298	20.000	ng	0.00
76) Chrysene-d12	14.057	240	379937	20.000	ng	-0.01
86) Perylene-d12	15.539	264	317181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94810	10.942	ng	-0.01
7) Phenol-d6	6.493	99	111877	10.832	ng	-0.02
23) Nitrobenzene-d5	7.440	82	85080	9.862	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	29360	9.721	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	237689	12.438	ng	-0.01
79) Terphenyl-d14	12.998	244	247223	11.121	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	21110	5.265	ng	96
3) Pyridine	3.422	79	58179	4.984	ng	96
6) Aniline	6.540	93	82563	5.335	ng	99
8) 2-Chlorophenol	6.663	128	45534	5.376	ng	96
10) Phenol	6.510	94	66523m	5.388	ng	
11) bis(2-Chloroethyl)ether	6.610	93	51163	5.364	ng	98
12) 1,3-Dichlorobenzene	6.822	146	59929	5.911	ng	96
13) 1,4-Dichlorobenzene	6.898	146	56869	5.686	ng	98
14) 1,2-Dichlorobenzene	7.051	146	54371	5.676	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	121082	5.577	ng	99
17) 2-Methylphenol	7.122	107	36595	5.228	ng	97
18) Hexachloroethane	7.398	117	18346	5.501	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	39050	5.524	ng	98
22) Acetophenone	7.287	105	67515	6.092	ng	95
24) Nitrobenzene	7.457	77	48413	5.054	ng	96
25) Isophorone	7.692	82	98761	5.429	ng	100
26) 2-Nitrophenol	7.775	139	15870	3.864	ng	93
27) 2,4-Dimethylphenol	7.810	122	37645	5.095	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	66779	5.812	ng	99
29) 2,4-Dichlorophenol	8.016	162	41484	5.390	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	43309	5.722	ng	100
31) Naphthalene	8.187	128	144561	6.063	ng	100
33) 4-Chloroaniline	8.234	127	48181	5.388	ng	97
34) Hexachlorobutadiene	8.304	225	30246	5.751	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	39500	5.343	ng	99
37) 2-Methylnaphthalene	8.875	142	97227	6.122	ng	100
38) 1-Methylnaphthalene	8.975	142	94190	6.114	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	46252	5.519	ng	93
43) 2,4,6-Trichlorophenol	9.151	196	30908	5.047	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	33613	5.194	ng	94
46) 1,1'-Biphenyl	9.339	154	122568	6.105	ng	100
47) 2-Chloronaphthalene	9.363	162	98102	5.861	ng	98
48) 2-Nitroaniline	9.457	65	22188	4.193	ng	98
49) Acenaphthylene	9.781	152	136204	5.788	ng	98
50) Dimethylphthalate	9.634	163	109323	5.677	ng	98
51) 2,6-Dinitrotoluene	9.698	165	15228	4.265	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	89242	5.787	ng		98
53) 3-Nitroaniline	9.869	138	19400	4.437	ng	#	97
55) Dibenzofuran	10.128	168	127374	5.852	ng		99
57) 2,4-Dinitrotoluene	10.098	165	19103	3.932	ng	#	97
58) Fluorene	10.469	166	105607	6.430	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	20888	4.560	ng	#	96
60) Diethylphthalate	10.339	149	100010	5.590	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	52199	6.011	ng		95
62) 4-Nitroaniline	10.475	138	19447	4.625	ng		95
63) Azobenzene	10.622	77	105174	5.625	ng		98
66) n-Nitrosodiphenylamine	10.575	169	95847	5.671	ng		96
67) 4-Bromophenyl-phenylether	10.957	248	33236	5.587	ng		95
68) Hexachlorobenzene	11.016	284	37233	5.406	ng		97
69) Atrazine	11.104	200	26507	5.174	ng		93
71) Phenanthrene	11.433	178	156676	6.004	ng		99
72) Anthracene	11.486	178	156289	5.928	ng		99
73) Carbazole	11.639	167	136597	5.850	ng		97
74) Di-n-butylphthalate	11.975	149	146596	5.417	ng		98
75) Fluoranthene	12.627	202	155574	5.771	ng		98
78) Pyrene	12.857	202	174542	5.510	ng		99
80) Butylbenzylphthalate	13.474	149	44252	4.302	ng		99
81) Benzo(a)anthracene	14.045	228	127434	5.125	ng		98
83) Chrysene	14.080	228	130450	5.669	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	56165	4.529	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	88321	4.544	ng		95
88) Benzo(b)fluoranthene	15.098	252	95737	5.255	ng		100
89) Benzo(k)fluoranthene	15.127	252	90226	5.352	ng		99
90) Benzo(a)pyrene	15.474	252	79275	5.018	ng	#	96
91) Dibenzo(a,h)anthracene	17.045	278	70452	4.507	ng		97
92) Benzo(g,h,i)perylene	17.474	276	70468	4.508	ng		96

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

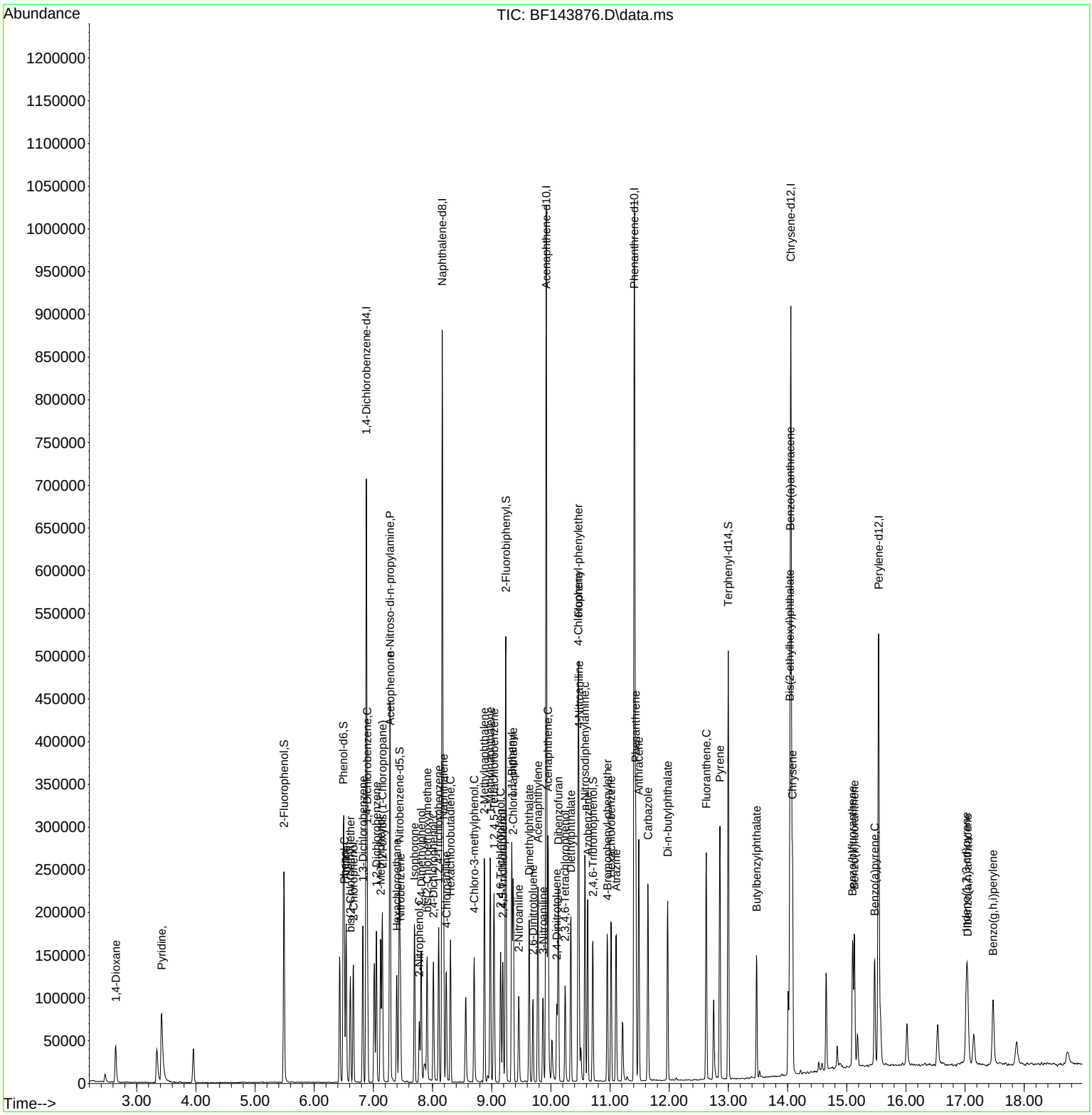
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

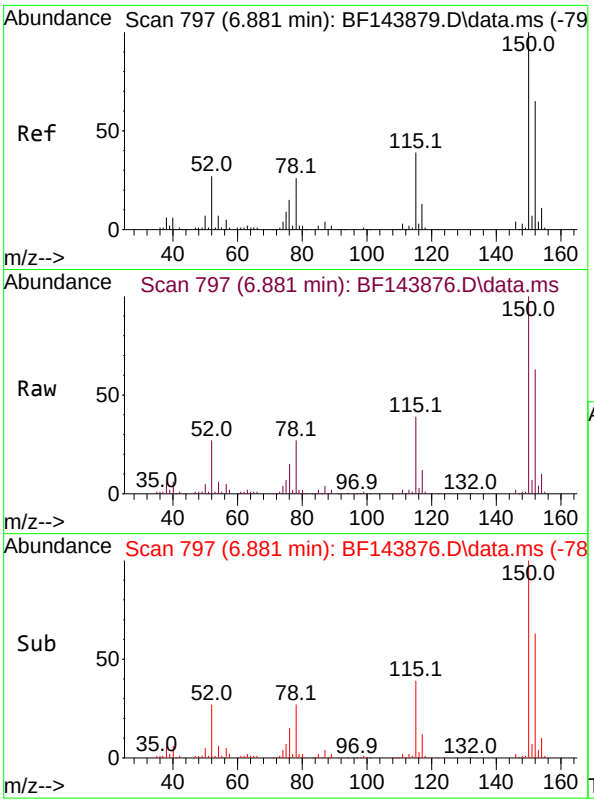
Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

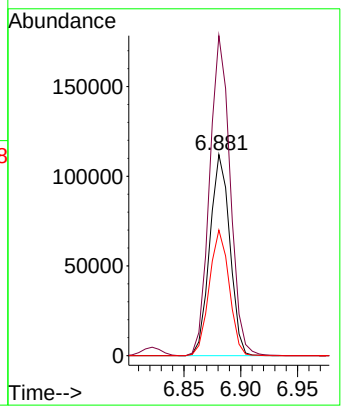




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:152 Resp: 13759

Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.4	186.6
115	62.4	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
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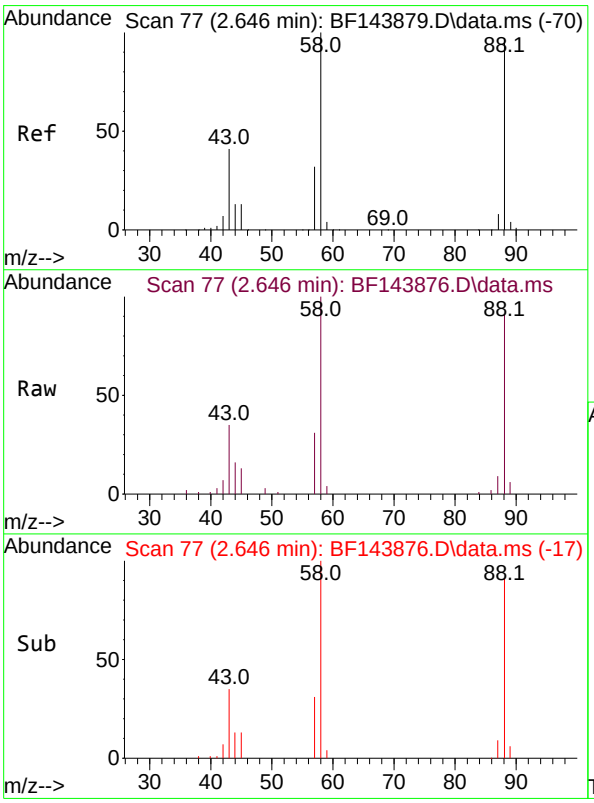
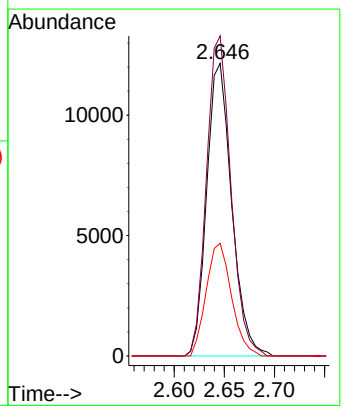
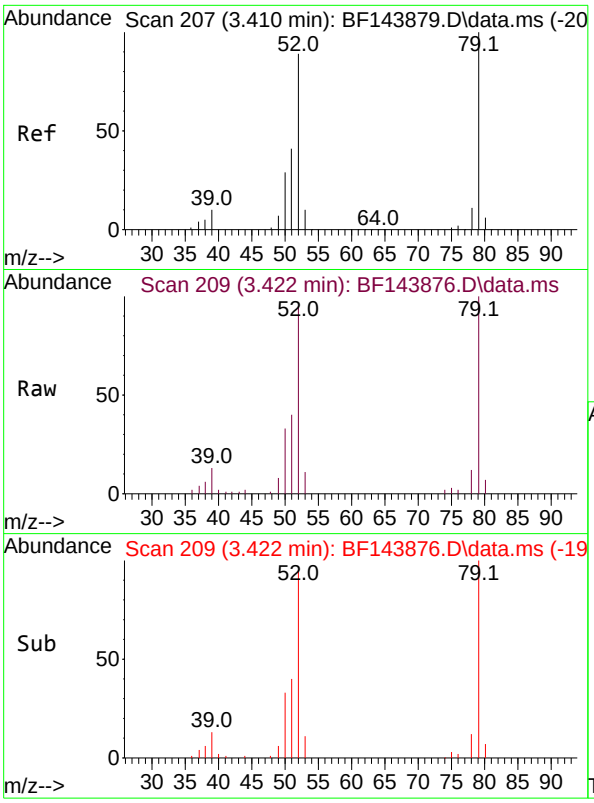


#2
1,4-Dioxane
Concen: 5.265 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 88 Resp: 21110

Ion	Ratio	Lower	Upper
88	100		
58	106.6	83.0	124.6
43	38.9	33.9	50.9

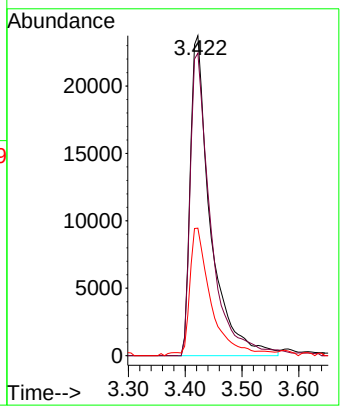




#3
Pyridine
Concen: 4.984 ng
RT: 3.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 79 Resp: 5817

Ion	Ratio	Lower	Upper
79	100		
52	94.5	71.5	107.3
51	39.8	32.9	49.3



Instrument :
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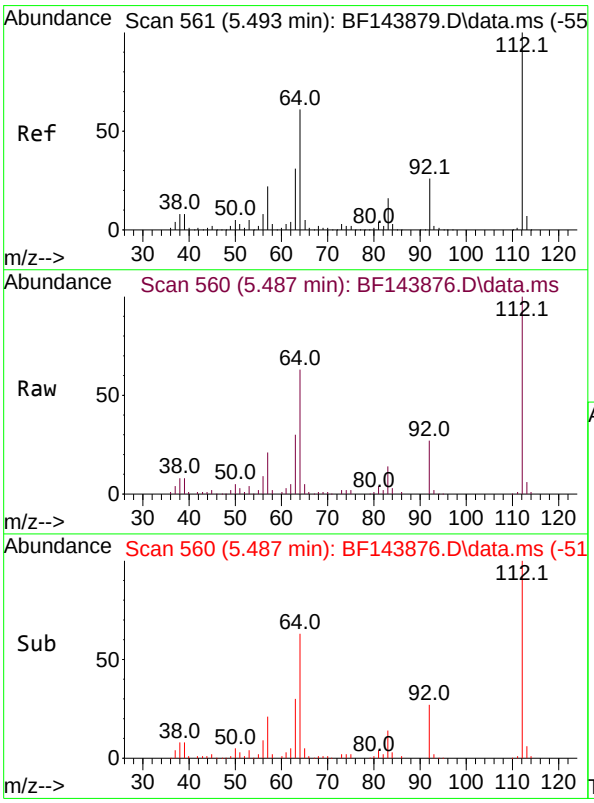
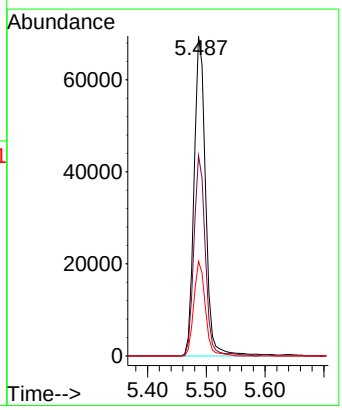
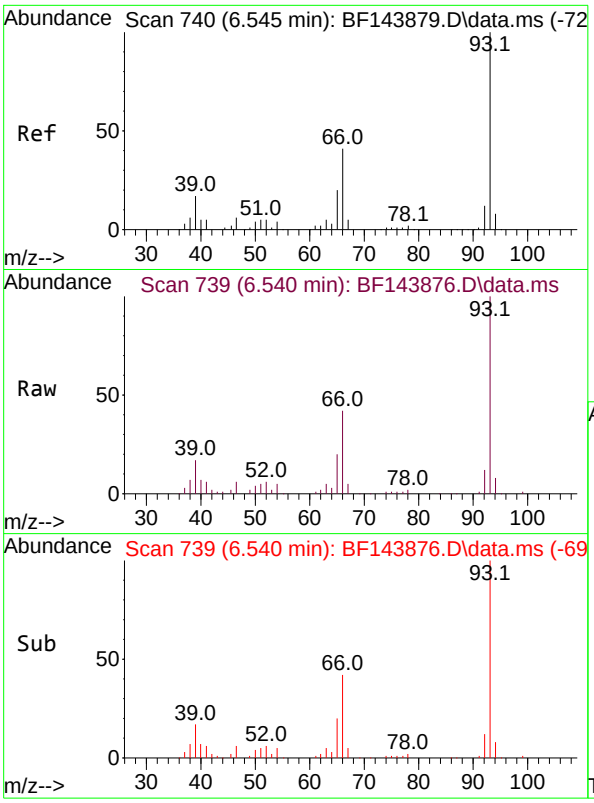


#5
2-Fluorophenol
Concen: 10.942 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:112 Resp: 94810

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.1	73.7
63	29.6	24.5	36.7

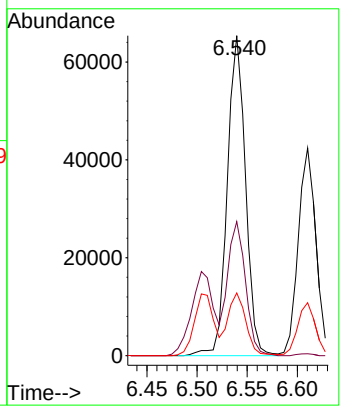




#6
Aniline
Concen: 5.335 ng
RT: 6.540 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 8256

Ion	Ratio	Lower	Upper
93	100		
66	41.9	33.0	49.6
65	19.6	15.8	23.8



Instrument :
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ClientSampleId :
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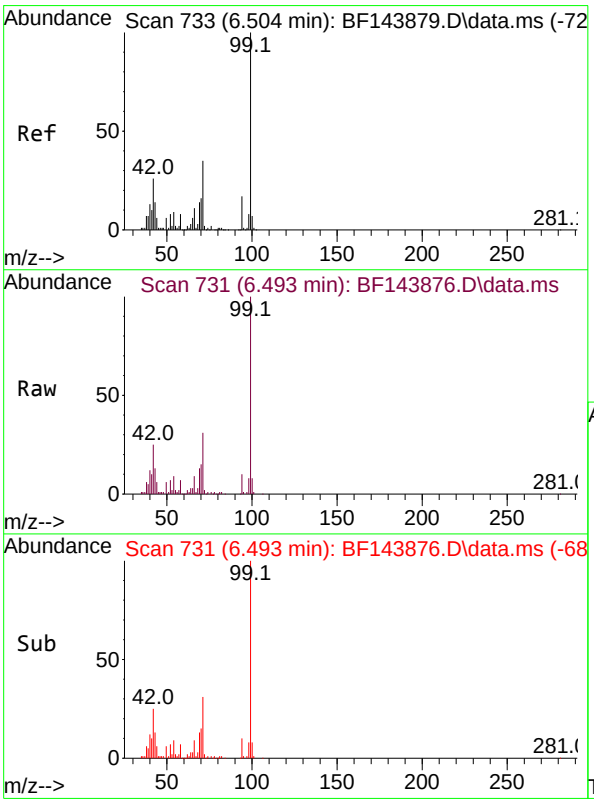
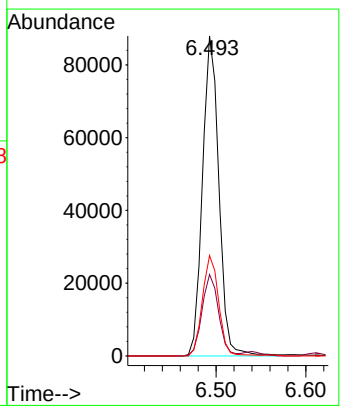
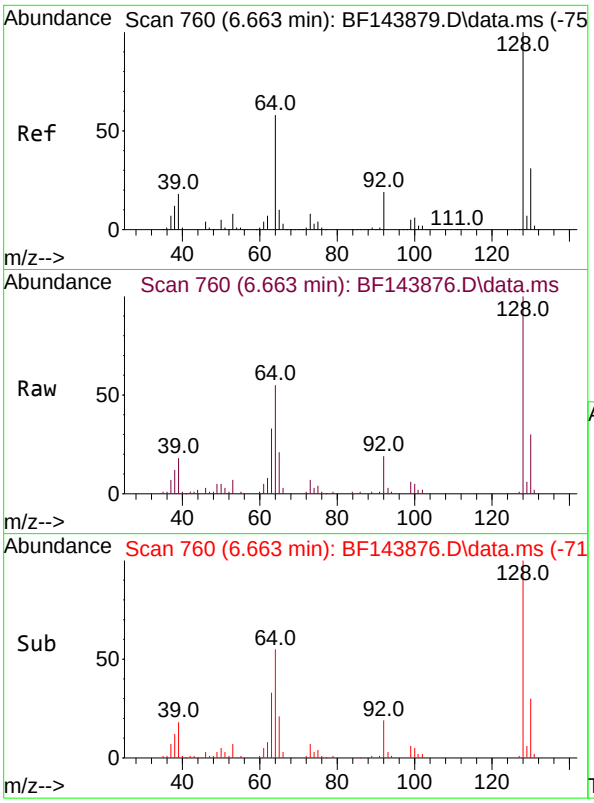


#7
Phenol-d6
Concen: 10.832 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.023 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 99 Resp: 111877

Ion	Ratio	Lower	Upper
99	100		
42	25.4	21.0	31.4
71	31.4	27.8	41.8

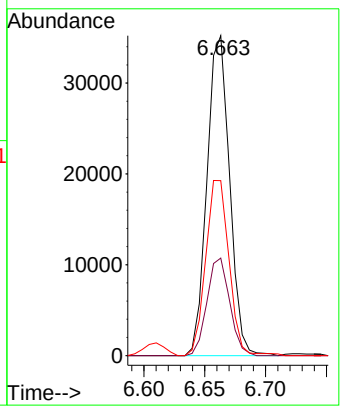




#8
2-Chlorophenol
Concen: 5.376 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:128 Resp: 4553

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	54.7	39.0	79.0



Instrument :
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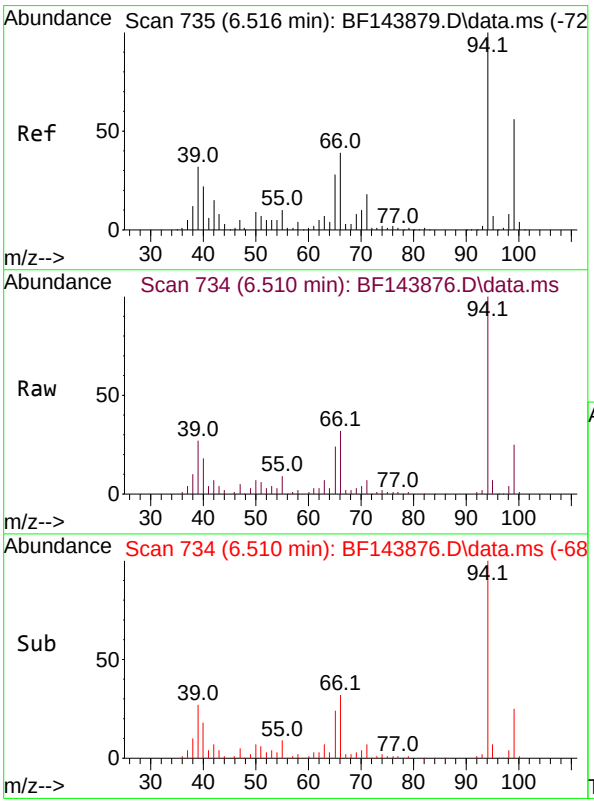
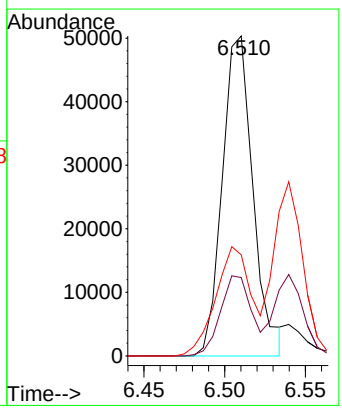
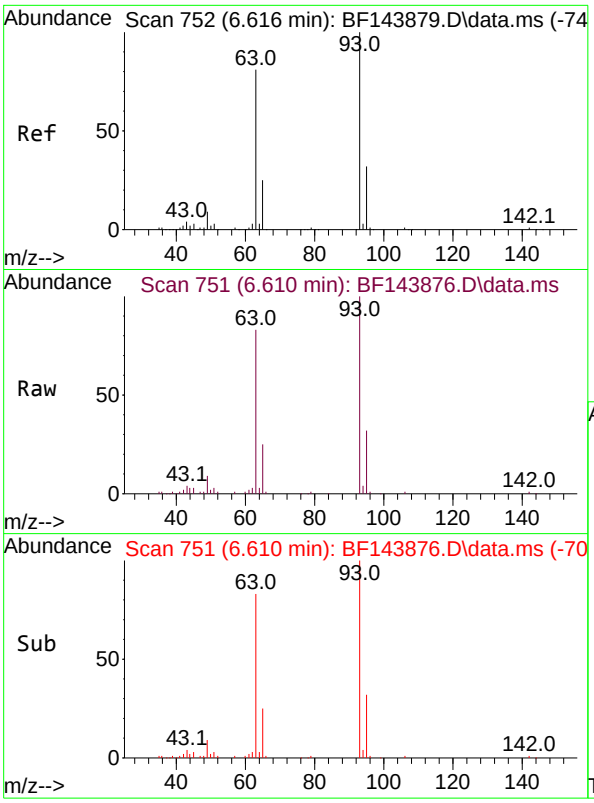


#10
Phenol
Concen: 5.388 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 94 Resp: 66523

Ion	Ratio	Lower	Upper
94	100		
65	24.5	8.5	48.5
66	31.6	19.9	59.9

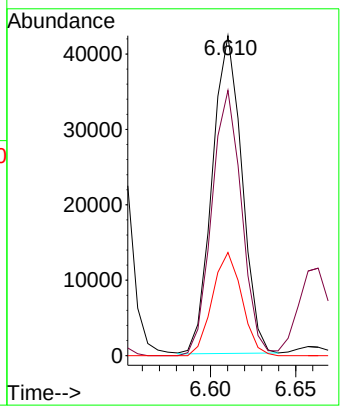




#11
bis(2-Chloroethyl)ether
Concen: 5.364 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 5116

Ion	Ratio	Lower	Upper
93	100		
63	82.9	60.9	100.9
95	32.2	11.5	51.5



Instrument :
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ClientSampleId :
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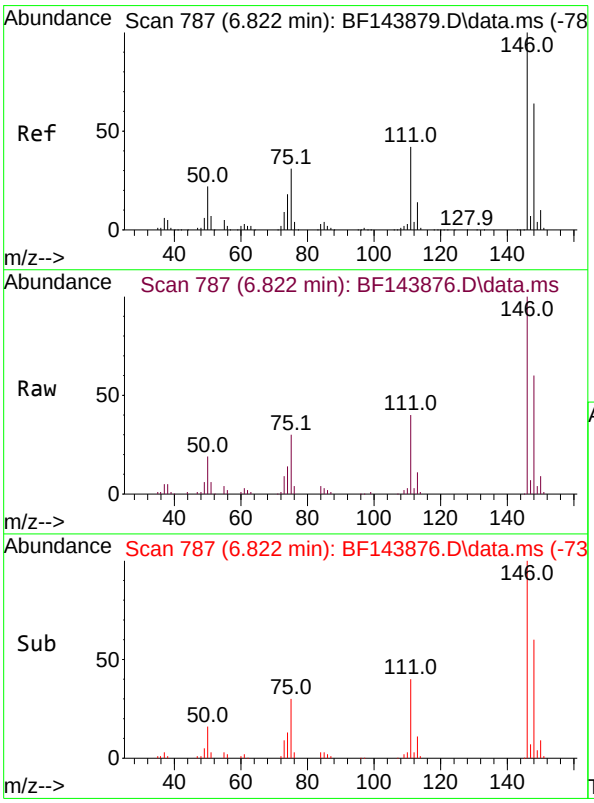
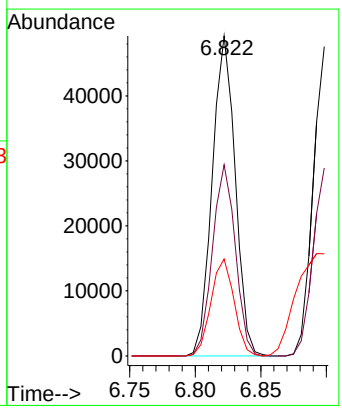
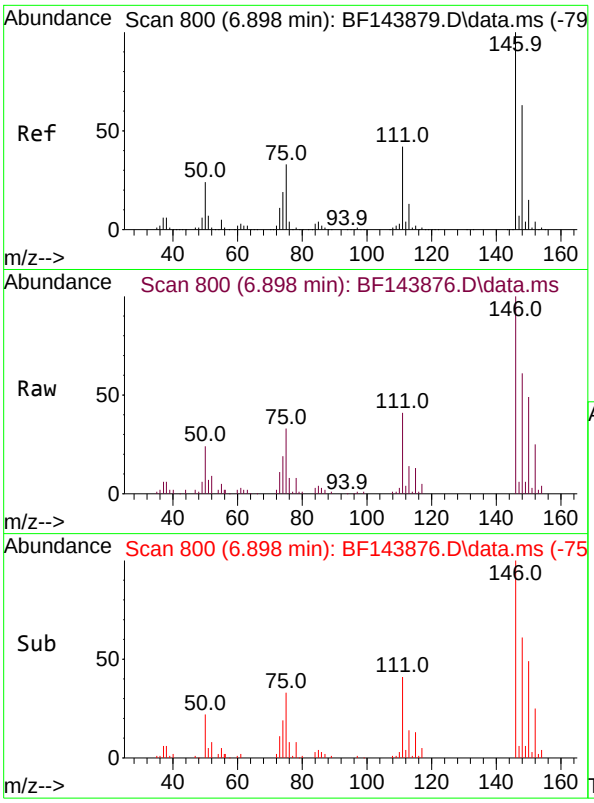


#12
1,3-Dichlorobenzene
Concen: 5.911 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 59929

Ion	Ratio	Lower	Upper
146	100		
148	59.7	51.0	76.4
75	30.3	24.9	37.3

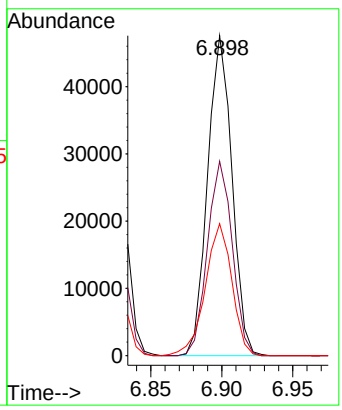




#13
1,4-Dichlorobenzene
Concen: 5.686 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 5686

Ion	Ratio	Lower	Upper
146	100		
148	60.7	50.5	75.7
111	41.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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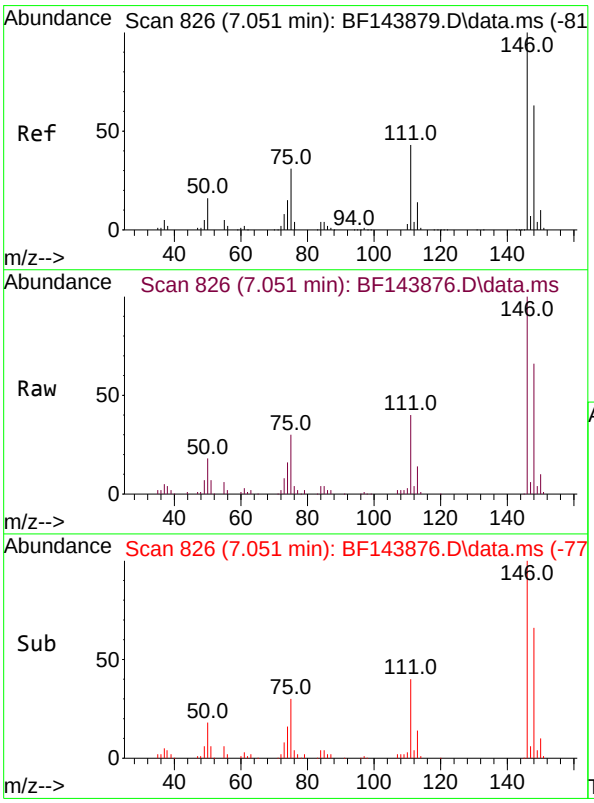
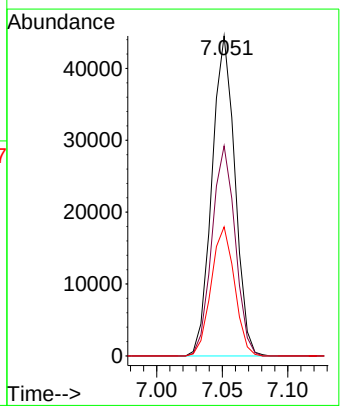
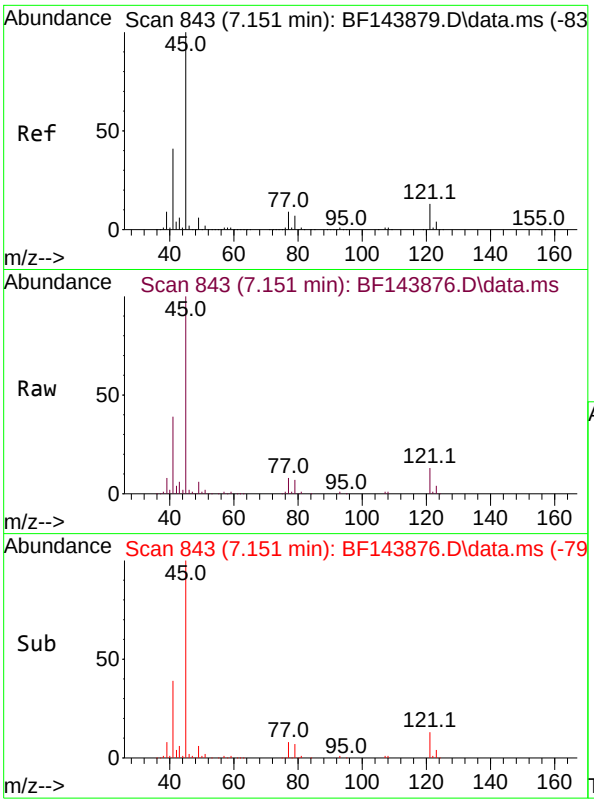


#14
1,2-Dichlorobenzene
Concen: 5.676 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 54371

Ion	Ratio	Lower	Upper
146	100		
148	65.6	50.6	75.8
111	40.3	34.6	51.8

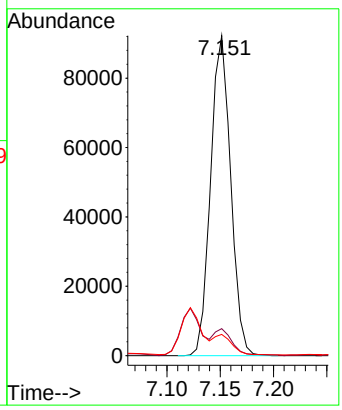




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.577 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 45 Resp: 12108

Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	29.0
79	6.6	0.0	26.8



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ClientSampleId :
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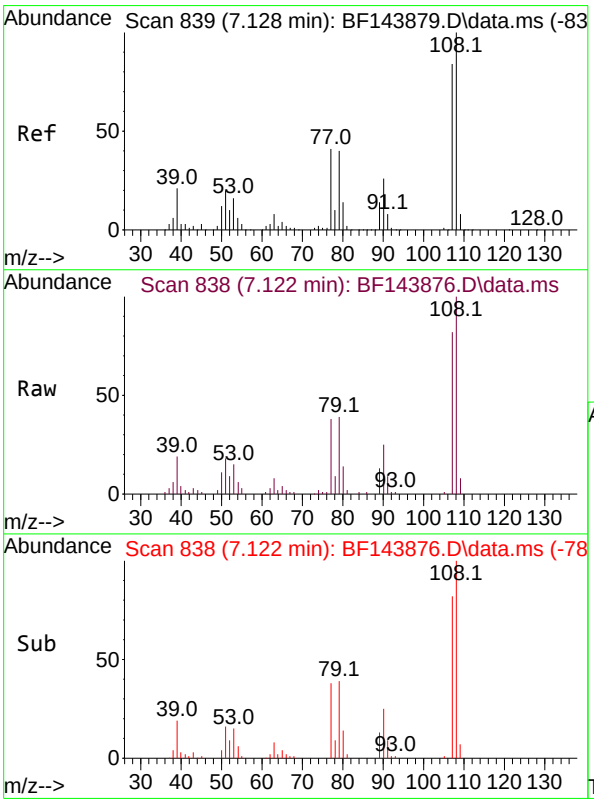
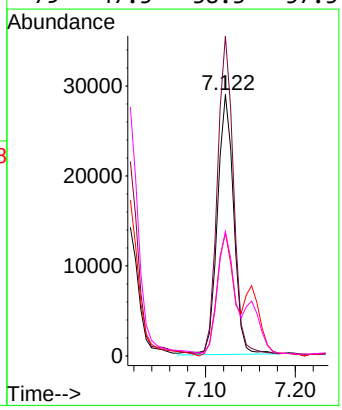
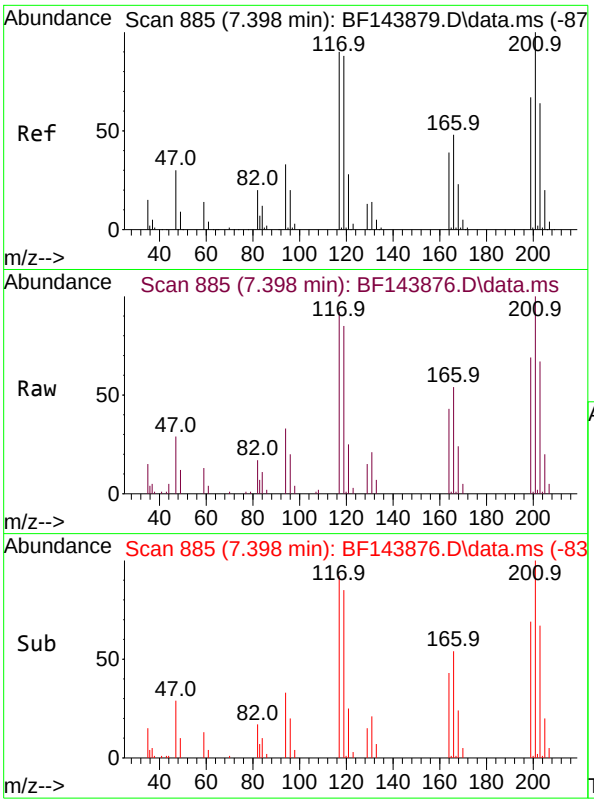


#17
2-Methylphenol
Concen: 5.228 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:107 Resp: 36595

Ion	Ratio	Lower	Upper
107	100		
108	122.4	94.7	142.1
77	47.0	38.8	58.2
79	47.5	38.3	57.5

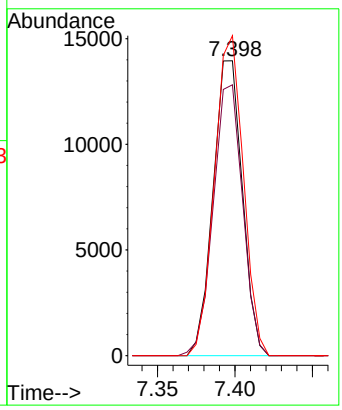




#18
Hexachloroethane
Concen: 5.501 ng
RT: 7.398 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:117 Resp: 1834

Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.8	116.8
201	108.5	88.5	132.7



Instrument :
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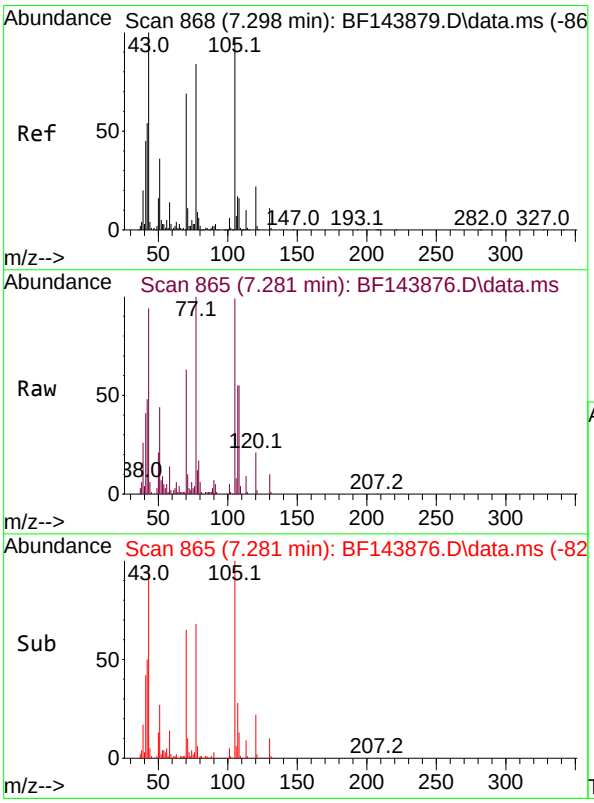
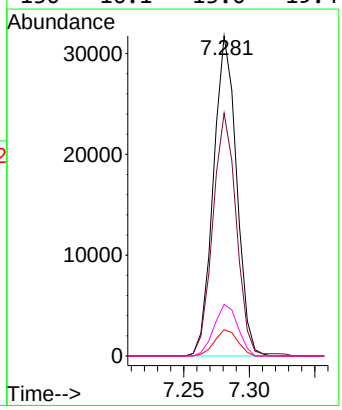
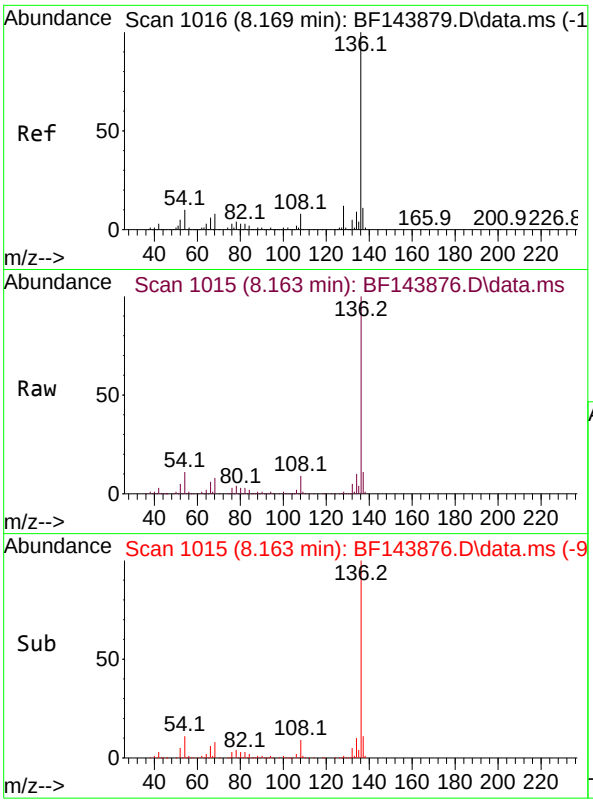


#19
n-Nitroso-di-n-propylamine
Concen: 5.524 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 70 Resp: 39050

Ion	Ratio	Lower	Upper
70	100		
42	75.9	62.8	94.2
101	8.2	6.7	10.1
130	16.1	13.0	19.4

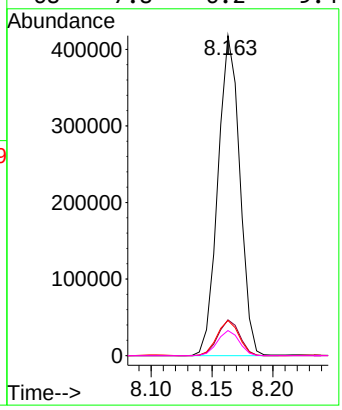




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:136 Resp: 524114

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.0	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
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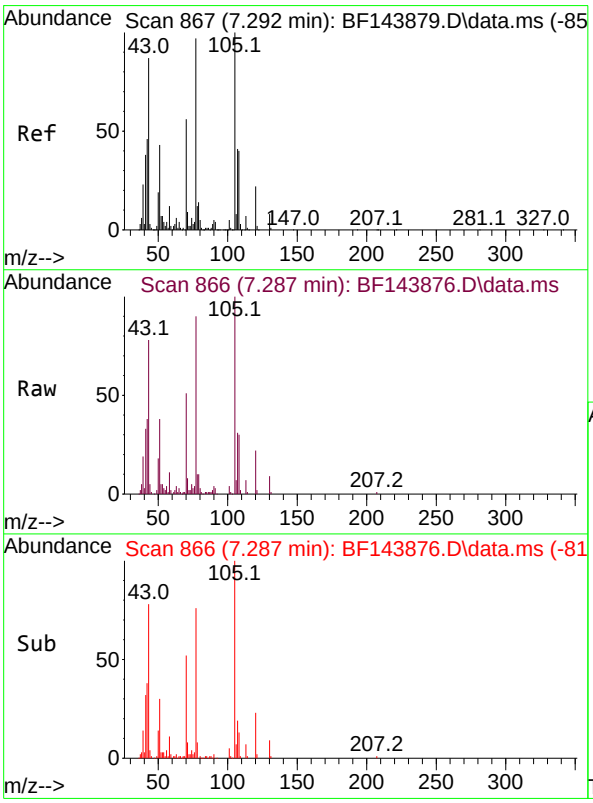
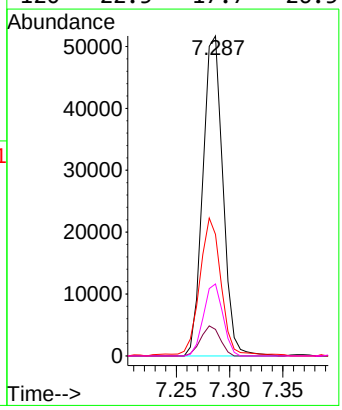
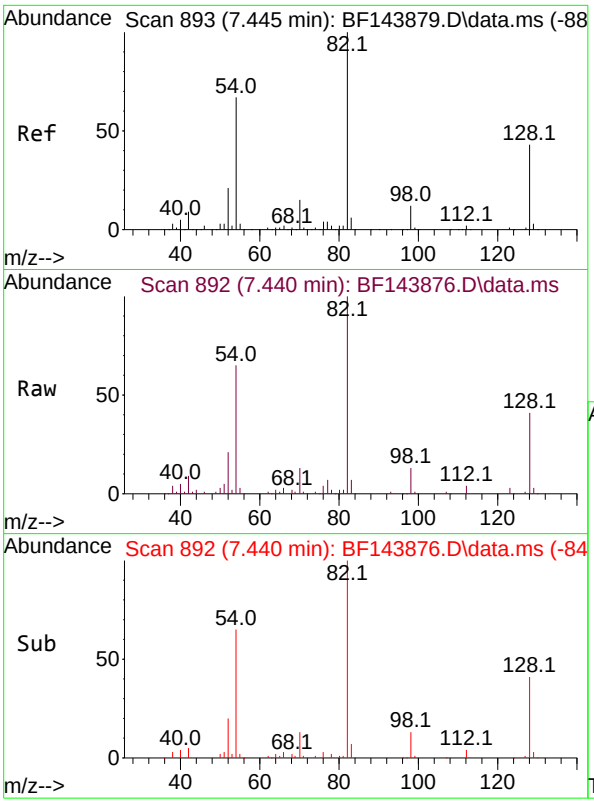


#22
Acetophenone
Concen: 6.092 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:105 Resp: 67515

Ion	Ratio	Lower	Upper
105	100		
71	8.3	7.4	11.0
51	38.0	34.2	51.4
120	22.5	17.7	26.5

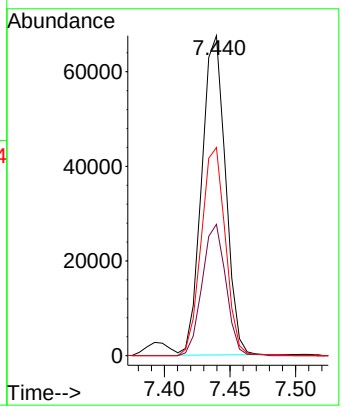




#23
Nitrobenzene-d5
Concen: 9.862 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 82 Resp: 8508

Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.0	51.0
54	65.0	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
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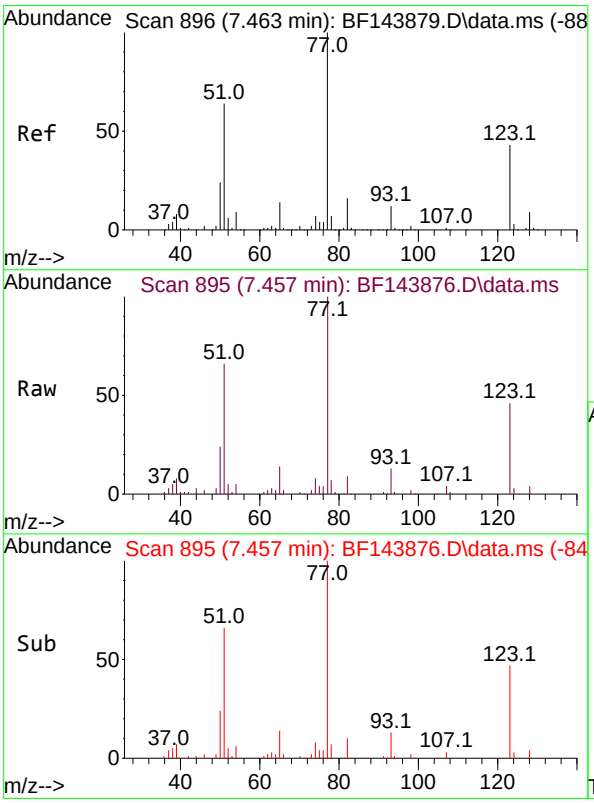
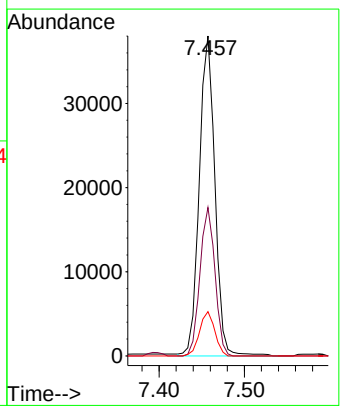
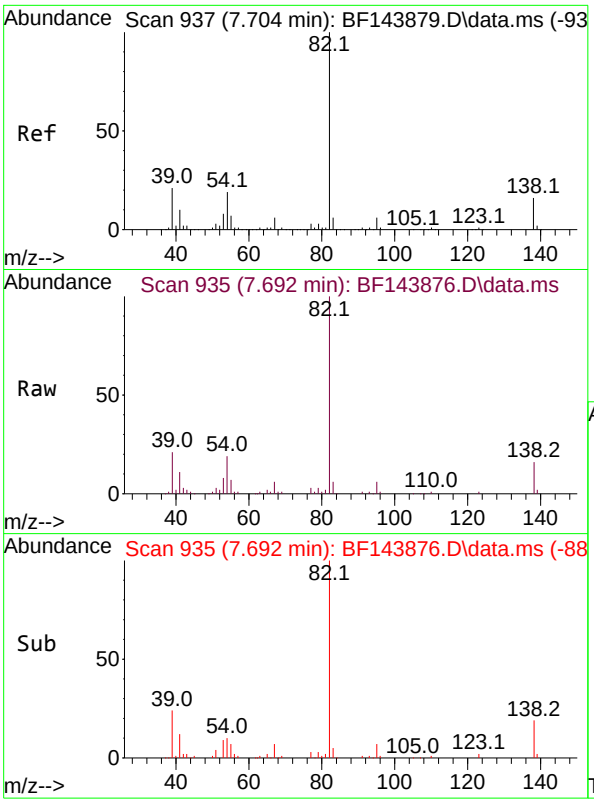


#24
Nitrobenzene
Concen: 5.054 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 77 Resp: 48413

Ion	Ratio	Lower	Upper
77	100		
123	46.4	34.2	51.4
65	13.8	11.0	16.6

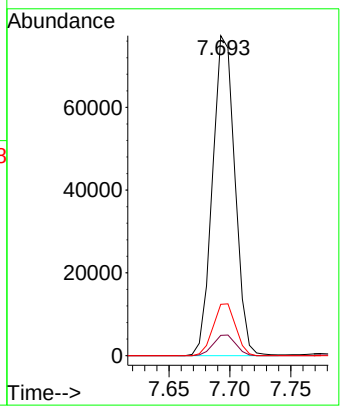




#25
Isophorone
Concen: 5.429 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.029 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 82 Resp: 9876

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	16.0	12.9	19.3



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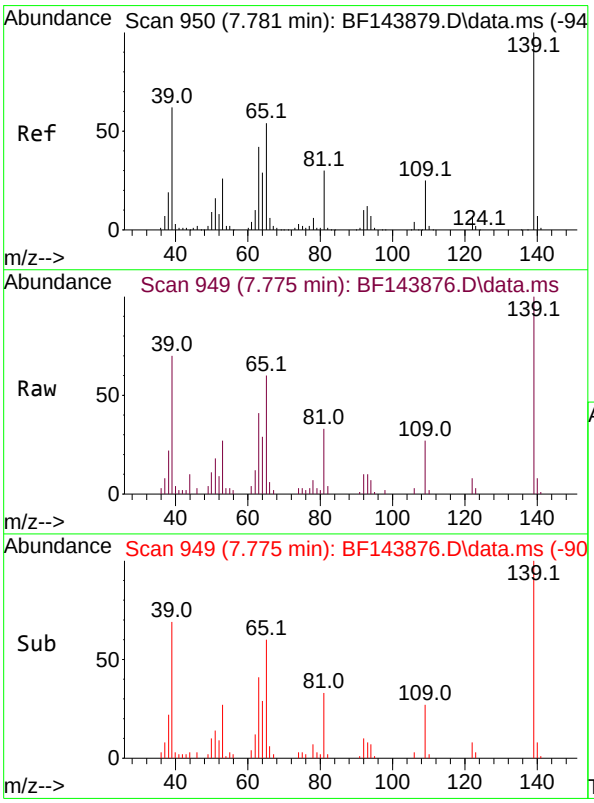
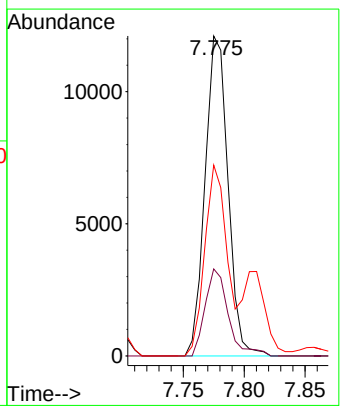
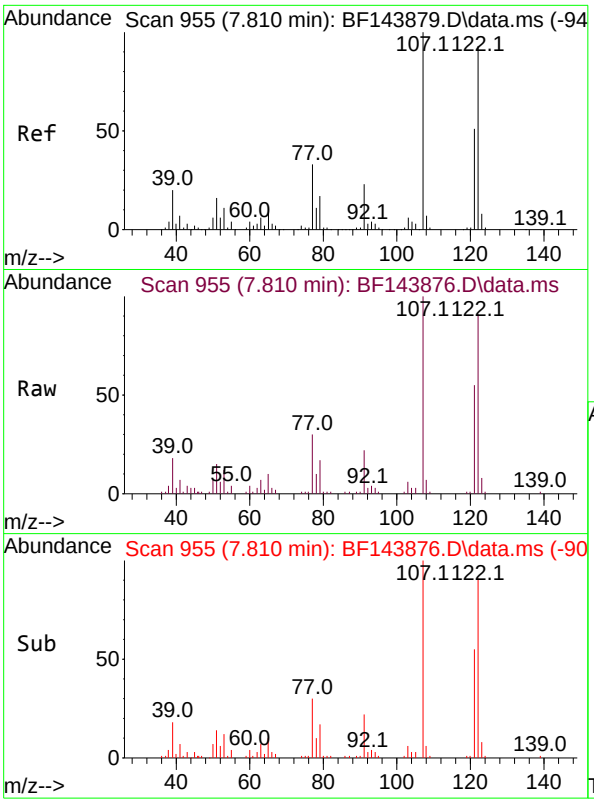


#26
2-Nitrophenol
Concen: 3.864 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:139 Resp: 15870

Ion	Ratio	Lower	Upper
139	100		
109	27.2	19.8	29.6
65	59.6	42.9	64.3

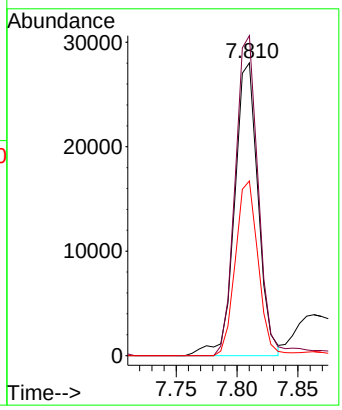




#27
2,4-Dimethylphenol
Concen: 5.095 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:122 Resp: 3764

Ion	Ratio	Lower	Upper
122	100		
107	109.3	86.1	129.1
121	59.6	43.8	65.6



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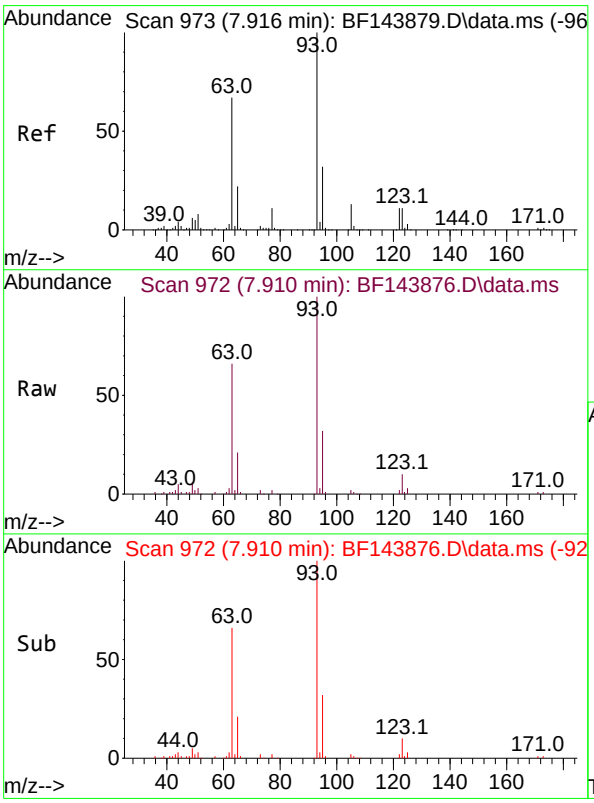
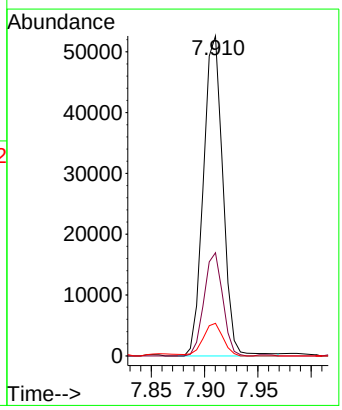
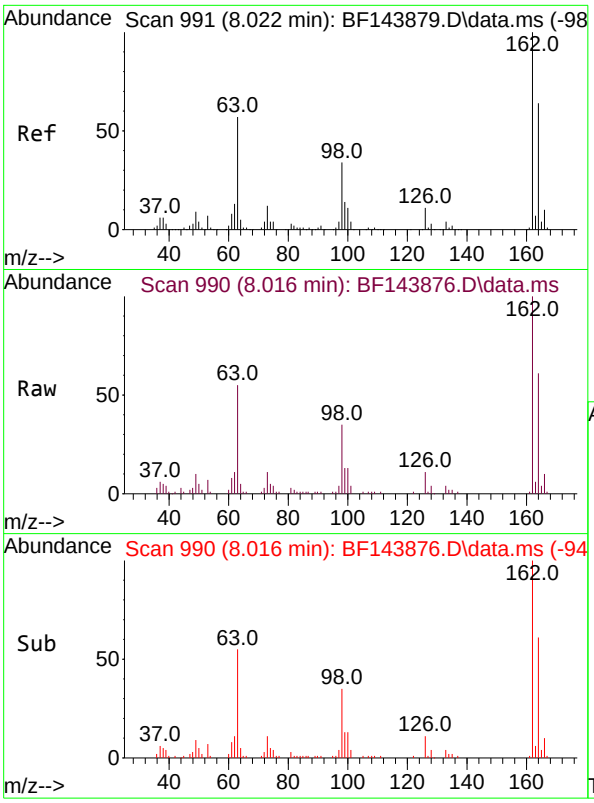


#28
bis(2-Chloroethoxy)methane
Concen: 5.812 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 66779

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.9	38.9
123	10.2	9.4	14.0

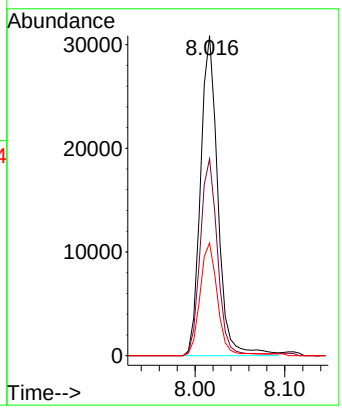




#29
2,4-Dichlorophenol
Concen: 5.390 ng
RT: 8.016 min Scan# 99
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:162 Resp: 4148

Ion	Ratio	Lower	Upper
162	100		
164	61.5	43.9	83.9
98	35.2	14.4	54.4



Instrument :
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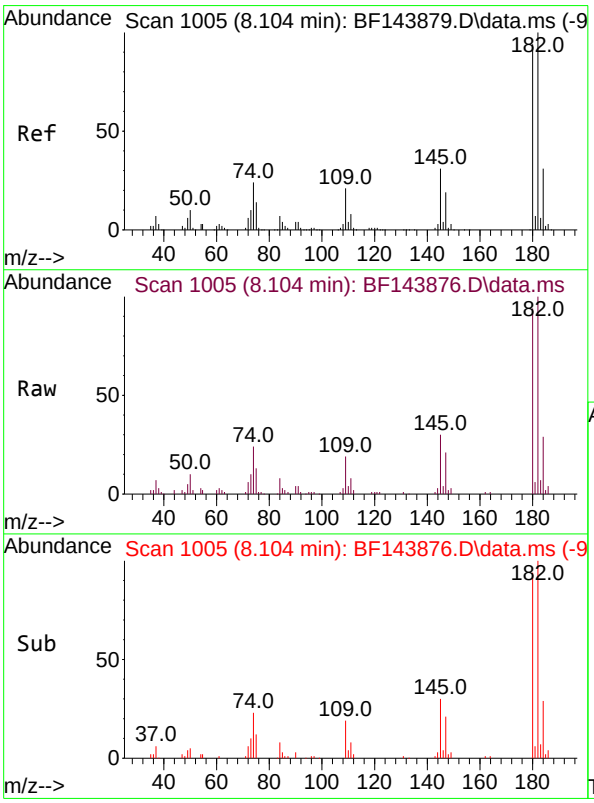
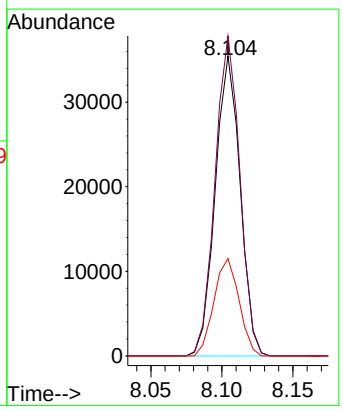
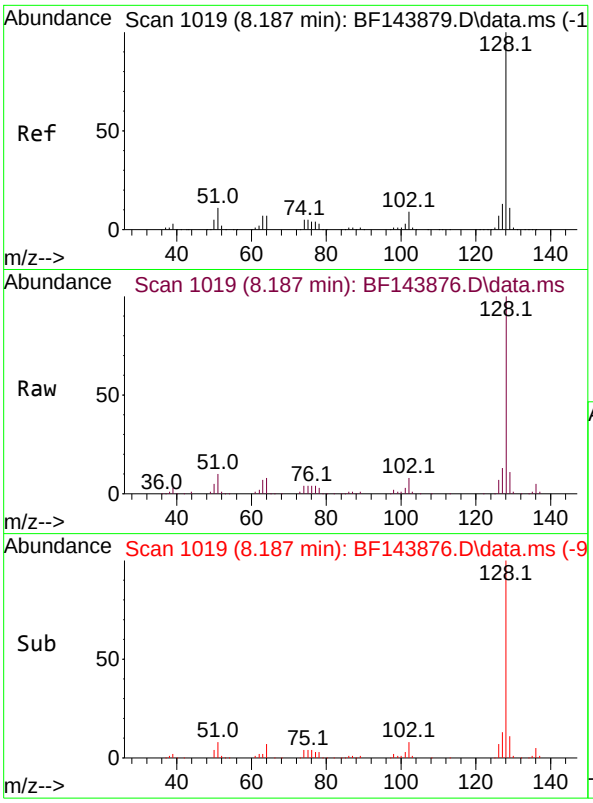


#30
1,2,4-Trichlorobenzene
Concen: 5.722 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:180 Resp: 43309

Ion	Ratio	Lower	Upper
180	100		
182	106.7	85.4	128.0
145	32.5	26.3	39.5

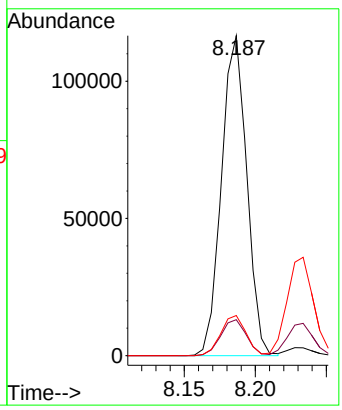




#31
Naphthalene
Concen: 6.063 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:128 Resp: 14456

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.5	10.0	15.0



Instrument :
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ClientSampleId :
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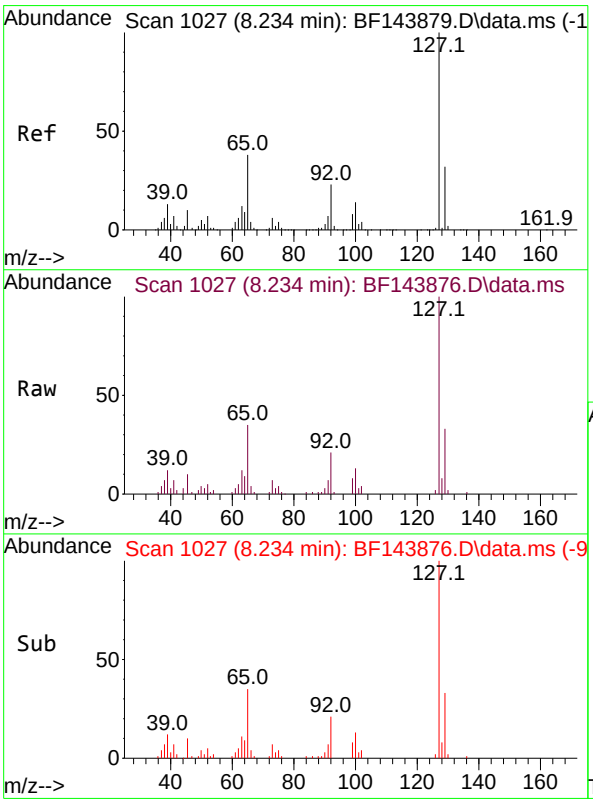
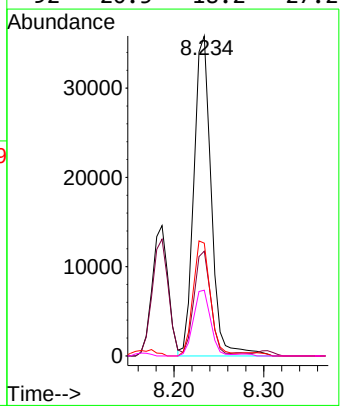
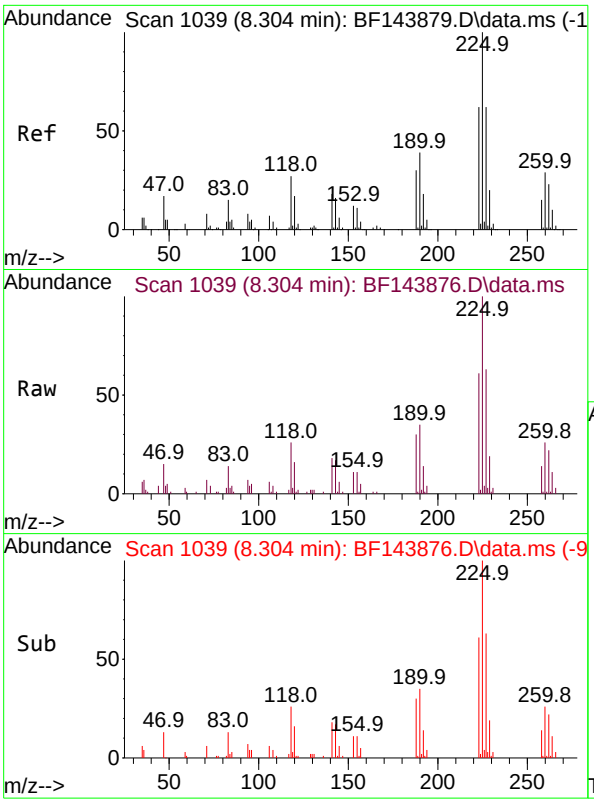


#33
4-Chloroaniline
Concen: 5.388 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:127 Resp: 48181

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.8
65	35.2	30.0	45.0
92	20.5	18.2	27.2

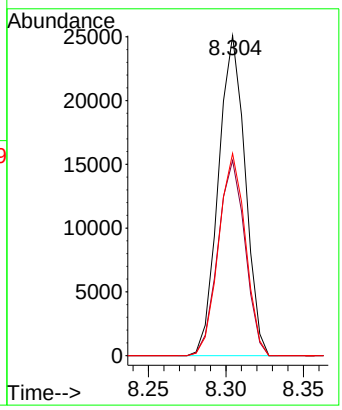




#34
Hexachlorobutadiene
Concen: 5.751 ng
RT: 8.304 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:225 Resp: 3024

Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.4	74.2
227	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
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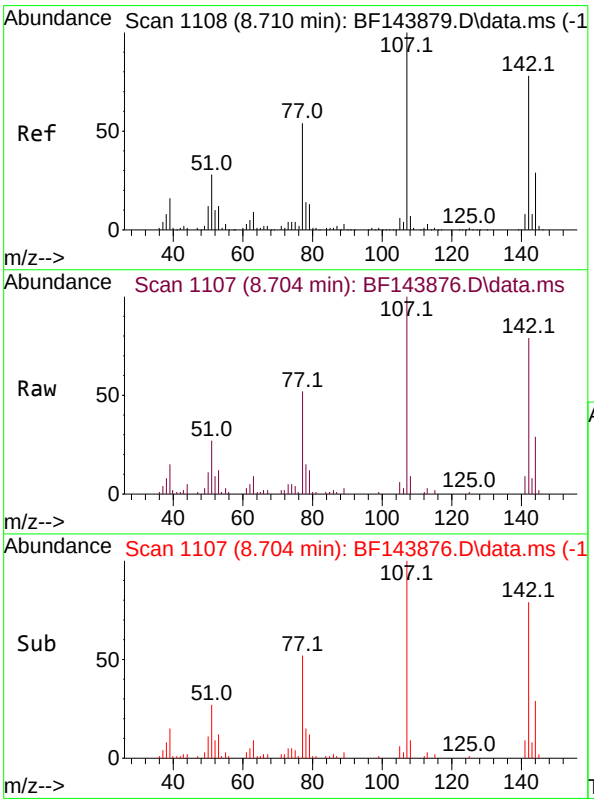
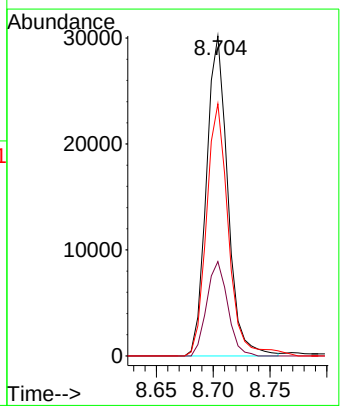
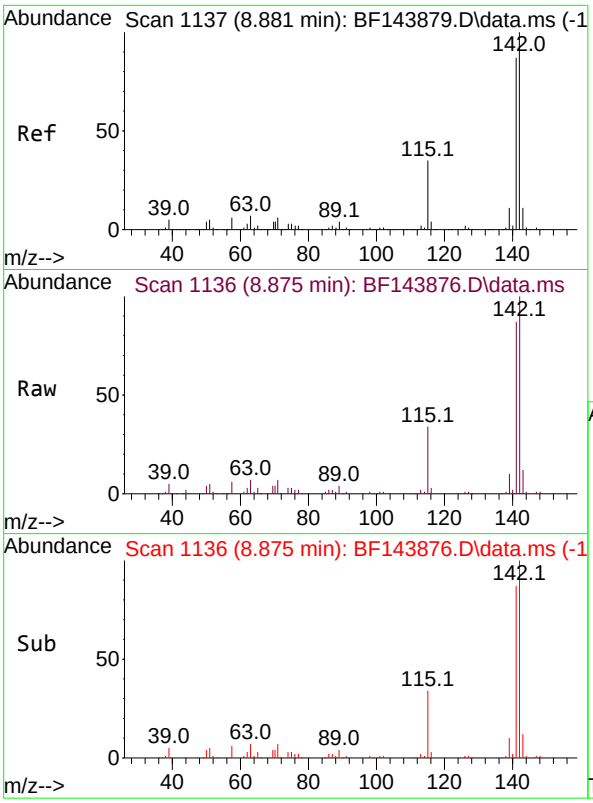


#36
4-Chloro-3-methylphenol
Concen: 5.343 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:107 Resp: 39500

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.1	34.7
142	78.8	62.6	94.0

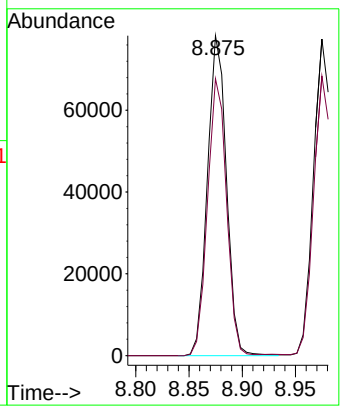




#37
2-Methylnaphthalene
Concen: 6.122 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:142 Resp: 9722

Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
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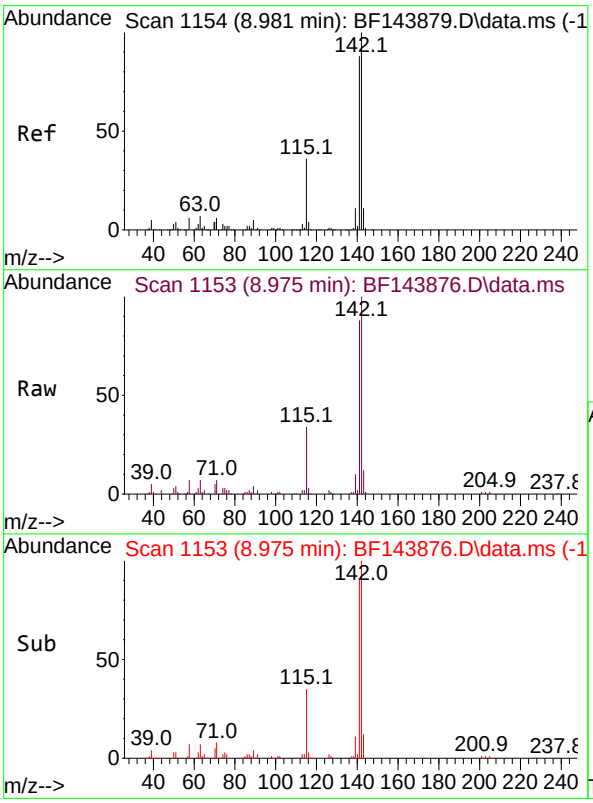
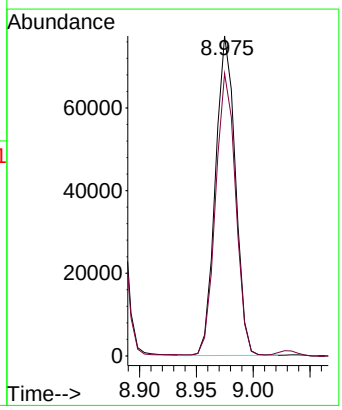
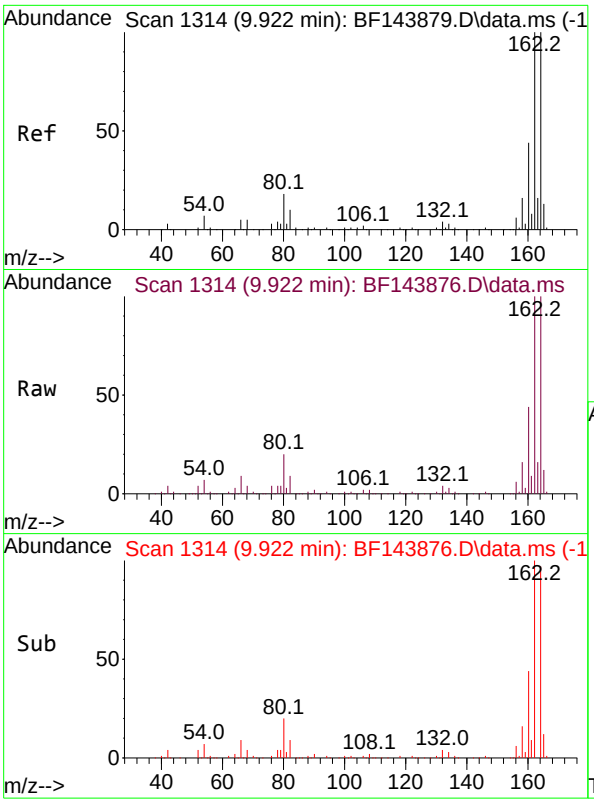


#38
1-Methylnaphthalene
Concen: 6.114 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:142 Resp: 94190

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

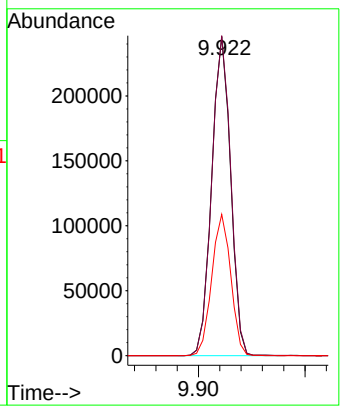




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:164 Resp: 30323

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	44.3	35.4	53.0



Instrument :
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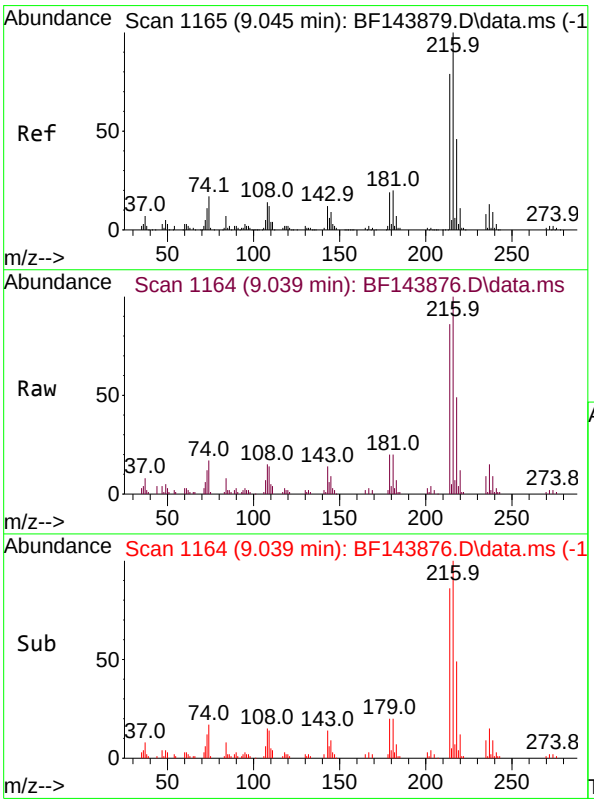
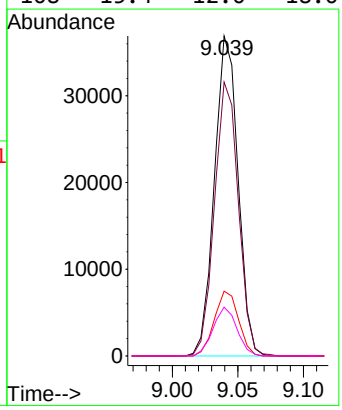
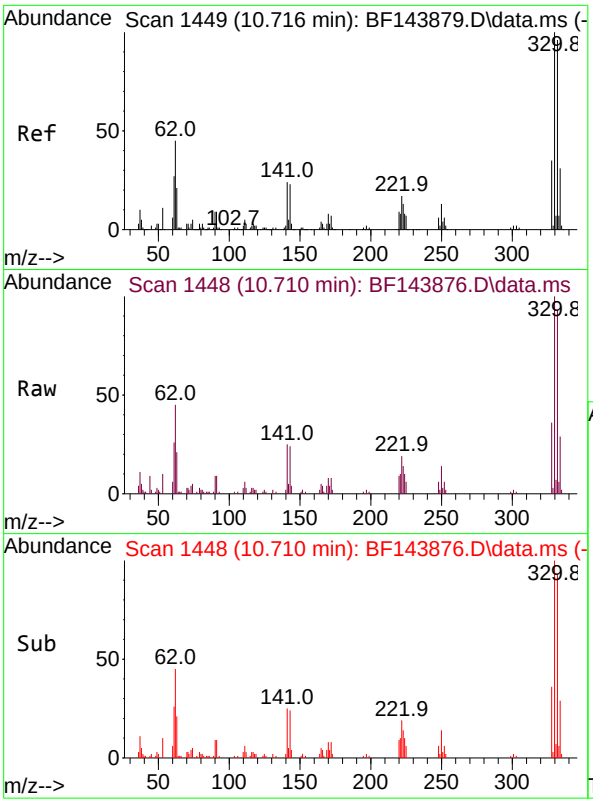


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.519 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:216 Resp: 46252

Ion	Ratio	Lower	Upper
216	100		
214	86.6	62.6	94.0
179	20.7	15.4	23.0
108	15.4	12.0	18.0

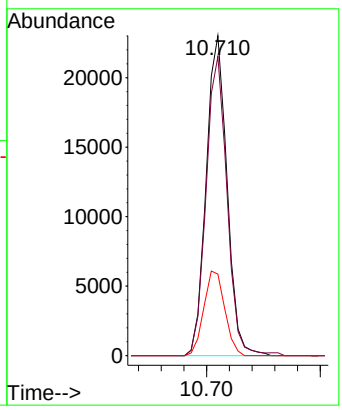




#42
2,4,6-Tribromophenol
Concen: 9.721 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:330 Resp: 2936

Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.9	115.3
141	26.6	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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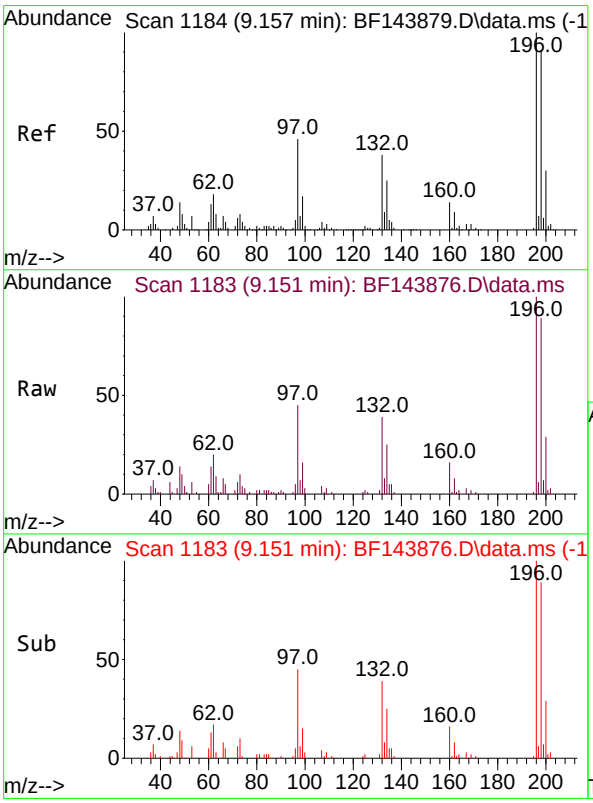
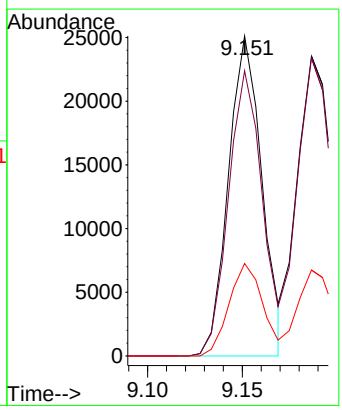
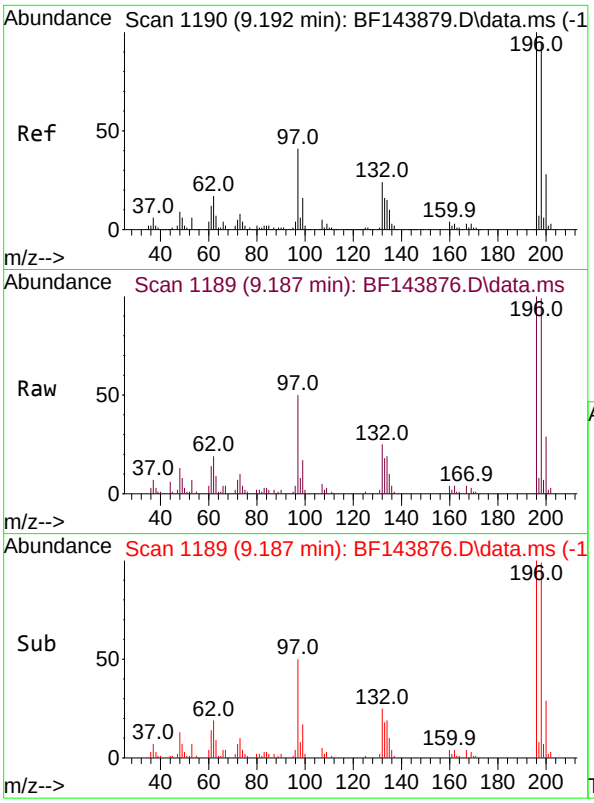


#43
2,4,6-Trichlorophenol
Concen: 5.047 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:196 Resp: 30908

Ion	Ratio	Lower	Upper
196	100		
198	89.1	72.8	109.2
200	28.9	24.0	36.0

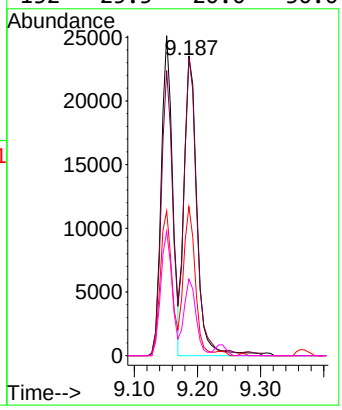




#44
2,4,5-Trichlorophenol
Concen: 5.194 ng
RT: 9.187 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:196 Resp: 3361

Ion	Ratio	Lower	Upper
196	100		
198	99.4	75.5	113.3
97	49.7	33.9	50.9
132	25.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
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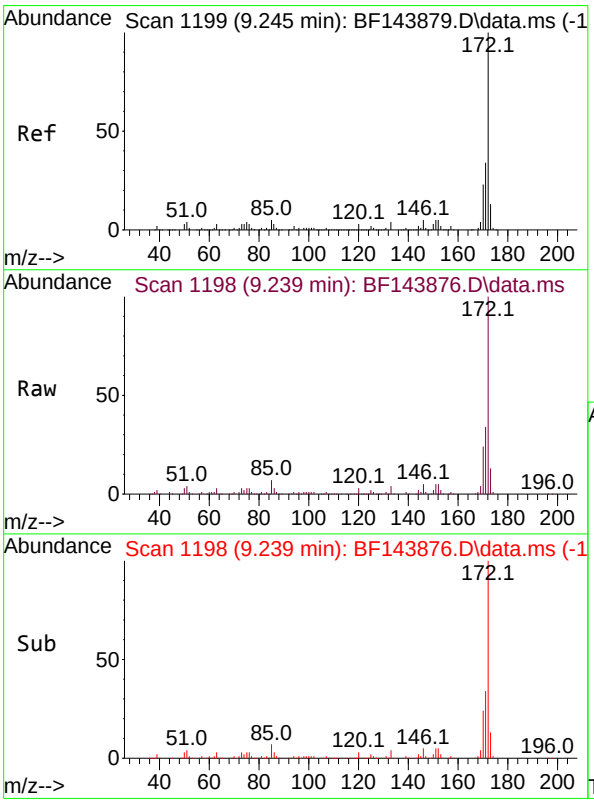
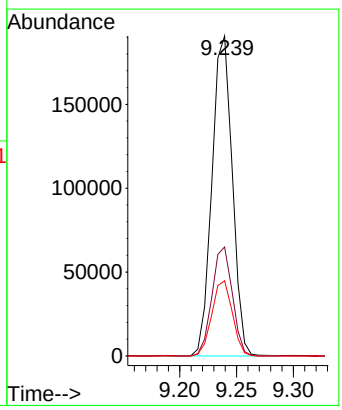
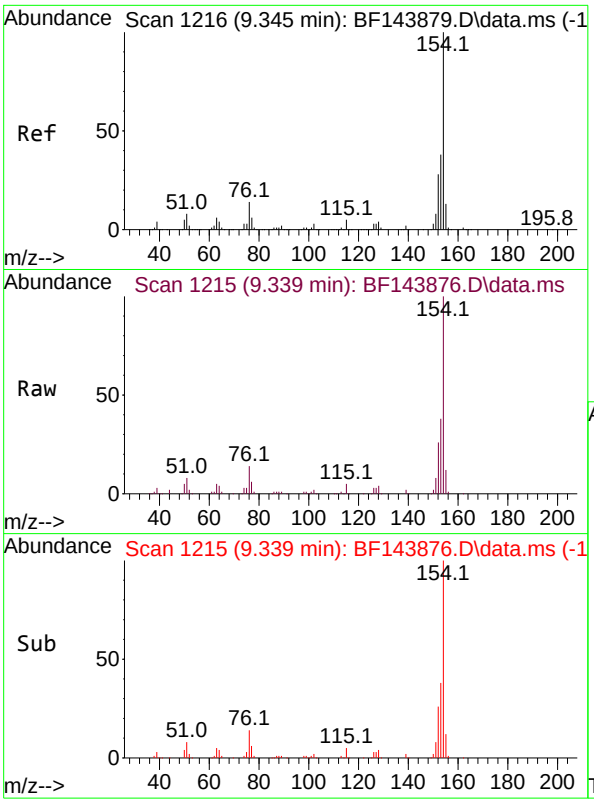


#45
2-Fluorobiphenyl
Concen: 12.438 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:172 Resp: 237689

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.0
170	23.5	18.6	28.0

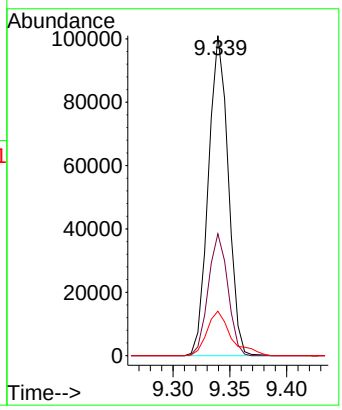




#46
1,1'-Biphenyl
Concen: 6.105 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:154 Resp: 12256

Ion	Ratio	Lower	Upper
154	100		
153	38.1	18.4	58.4
76	13.9	0.0	34.0



Instrument :
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ClientSampleId :
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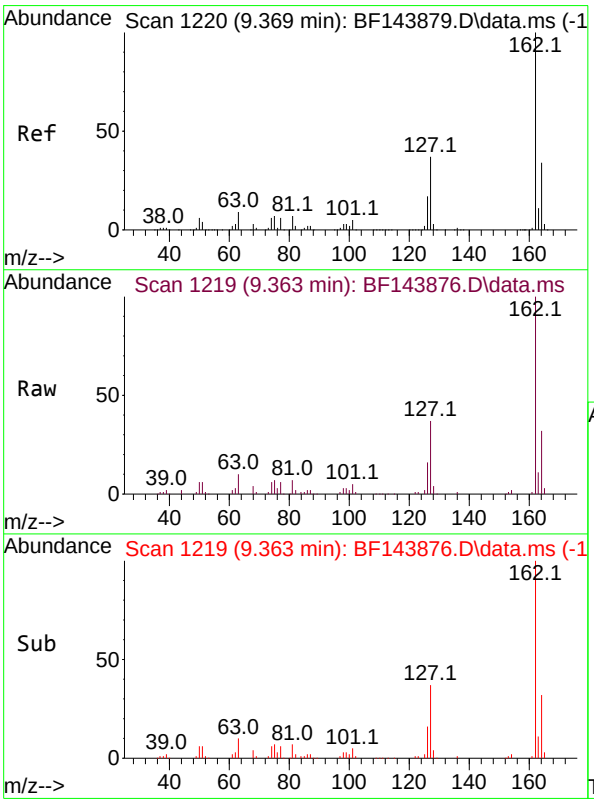
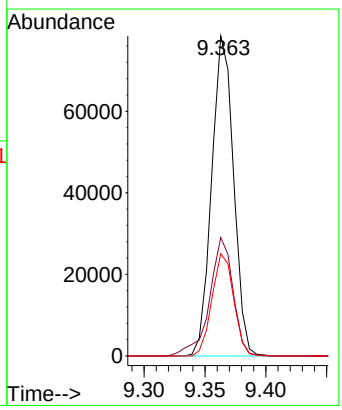
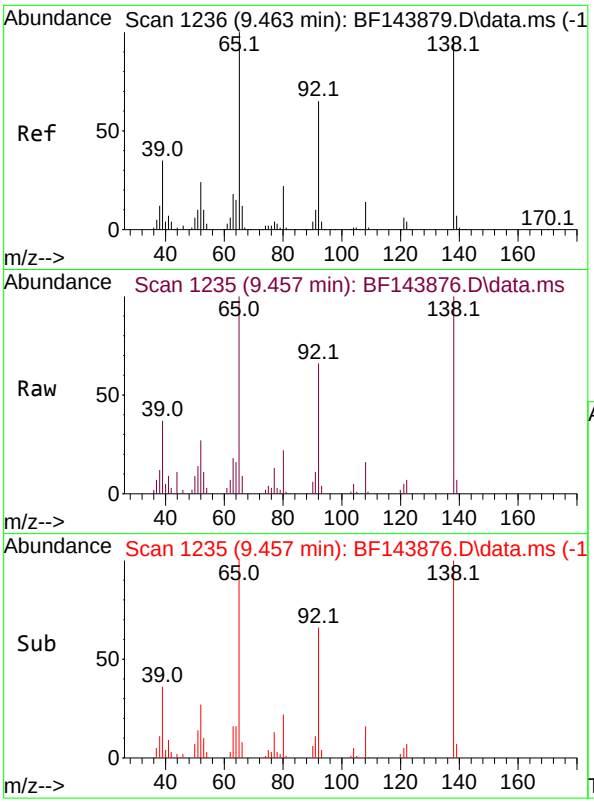


#47
2-Chloronaphthalene
Concen: 5.861 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:162 Resp: 98102

Ion	Ratio	Lower	Upper
162	100		
127	37.0	30.2	45.2
164	32.0	26.9	40.3

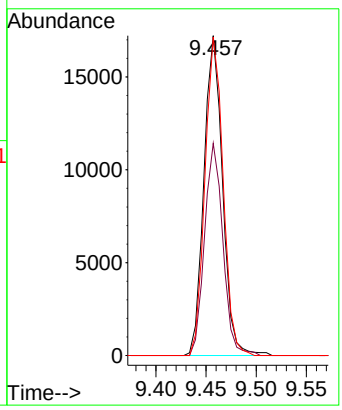




#48
2-Nitroaniline
Concen: 4.193 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 65 Resp: 2218

Ion	Ratio	Lower	Upper
65	100		
92	66.3	52.1	78.1
138	99.6	77.4	116.2



Instrument :
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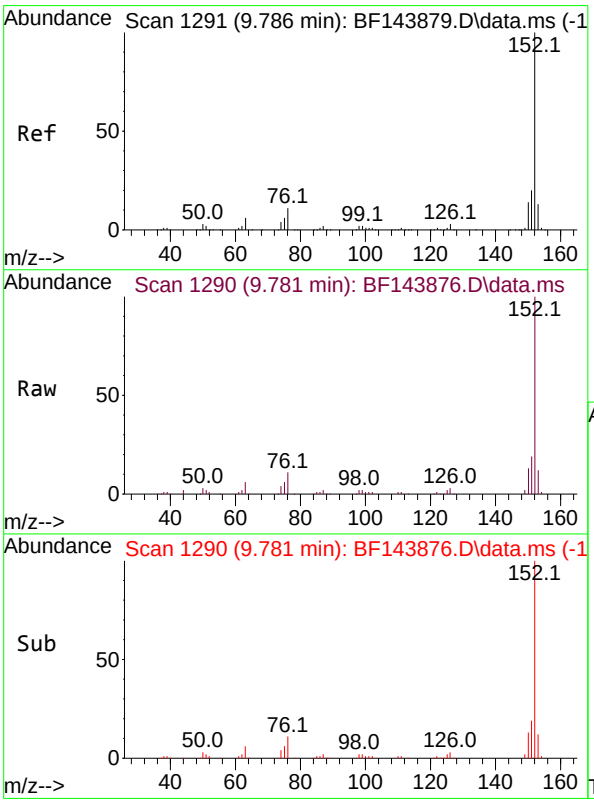
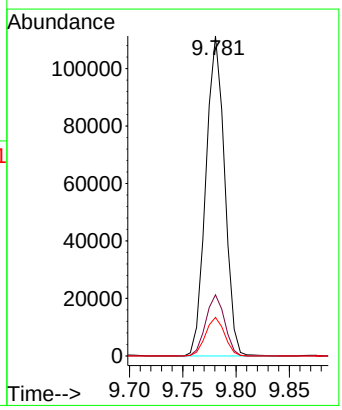
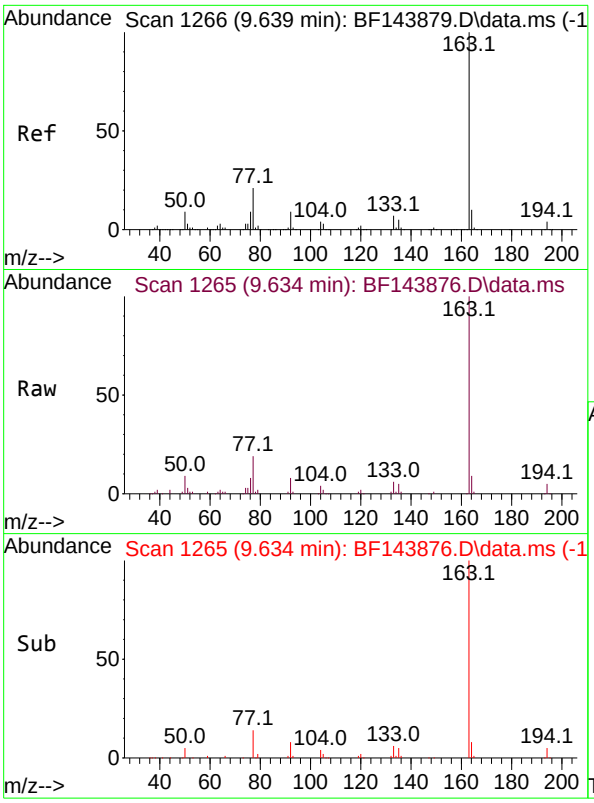


#49
Acenaphthylene
Concen: 5.788 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:152 Resp: 136204

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	12.0	10.5	15.7

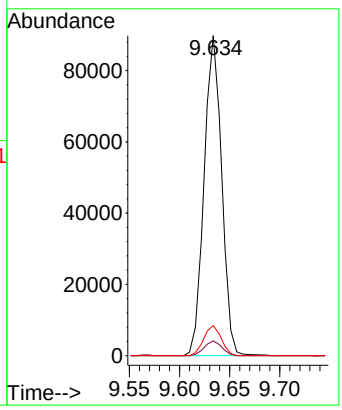




#50
Dimethylphthalate
Concen: 5.677 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:163 Resp: 10932

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	9.4	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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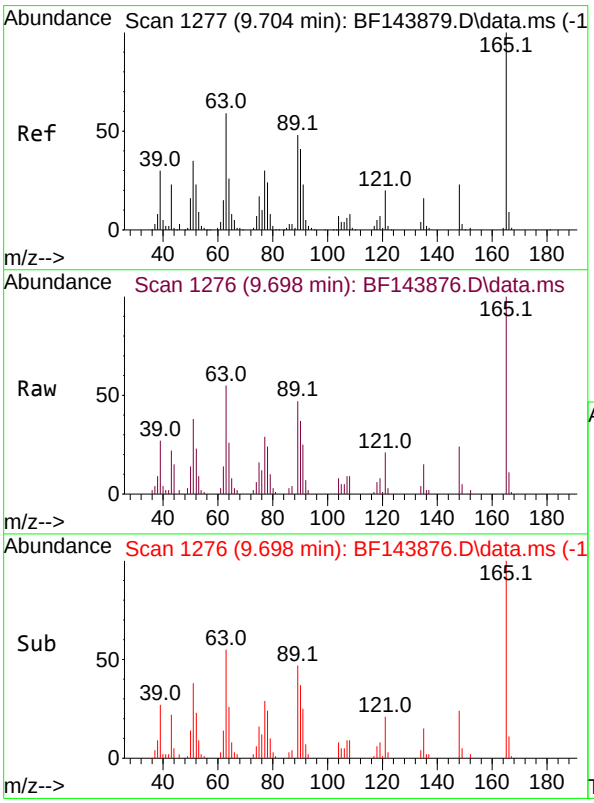
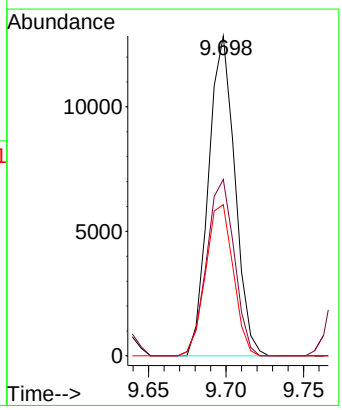
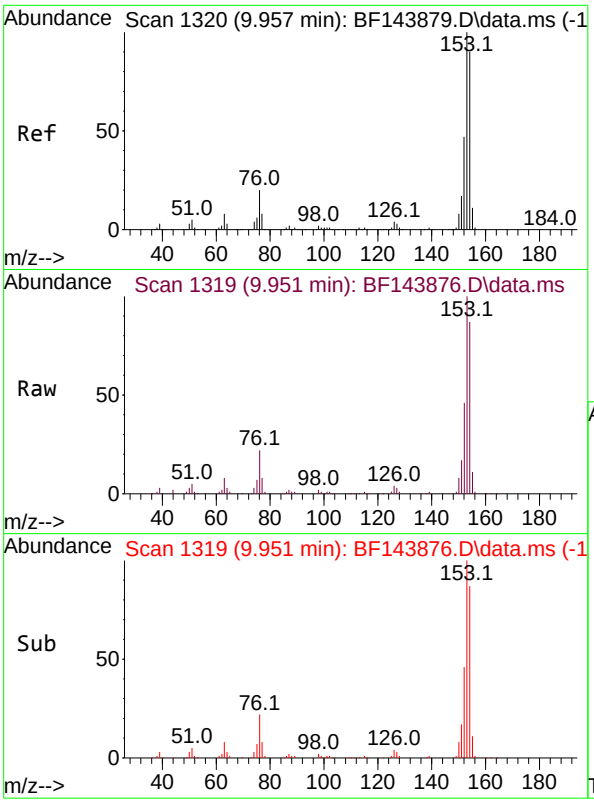


#51
2,6-Dinitrotoluene
Concen: 4.265 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:165 Resp: 15228

Ion	Ratio	Lower	Upper
165	100		
63	55.1	47.3	70.9
89	47.3	38.2	57.4

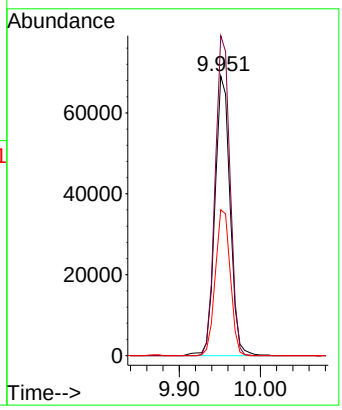




#52
Acenaphthene
Concen: 5.787 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:154 Resp: 8924

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.3	133.9
152	52.2	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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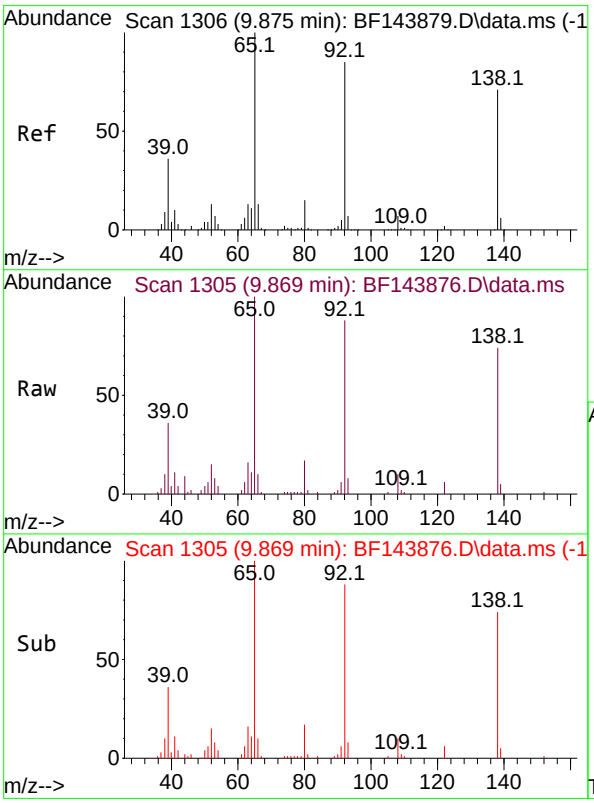
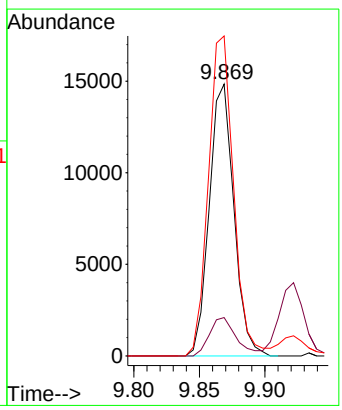
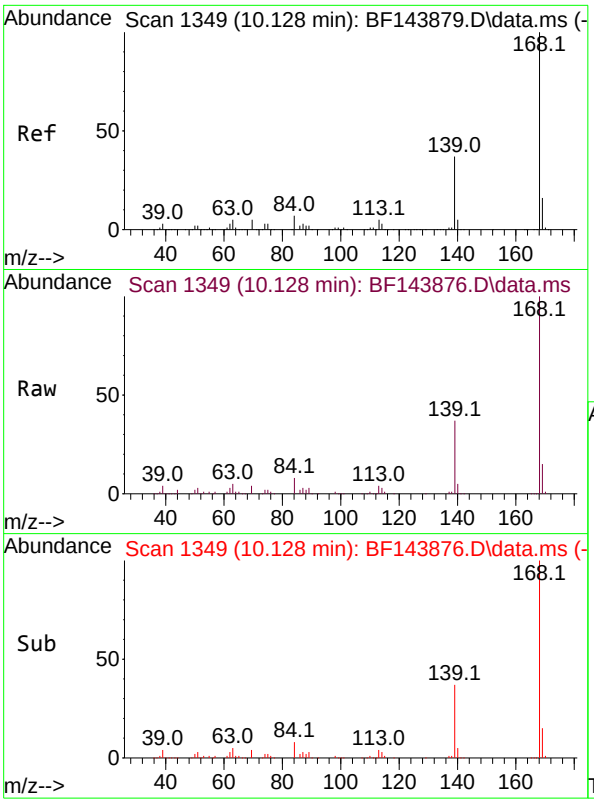


#53
3-Nitroaniline
Concen: 4.437 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:138 Resp: 19400

Ion	Ratio	Lower	Upper
138	100		
108	14.1	8.3	12.5#
92	117.8	96.2	144.2

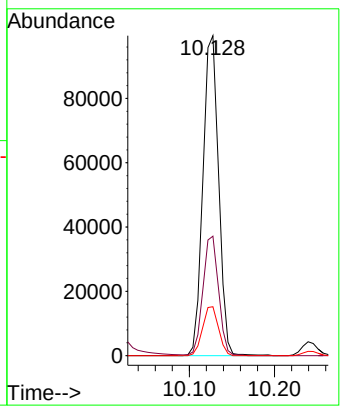




#55
Dibenzofuran
Concen: 5.852 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:168 Resp: 12737

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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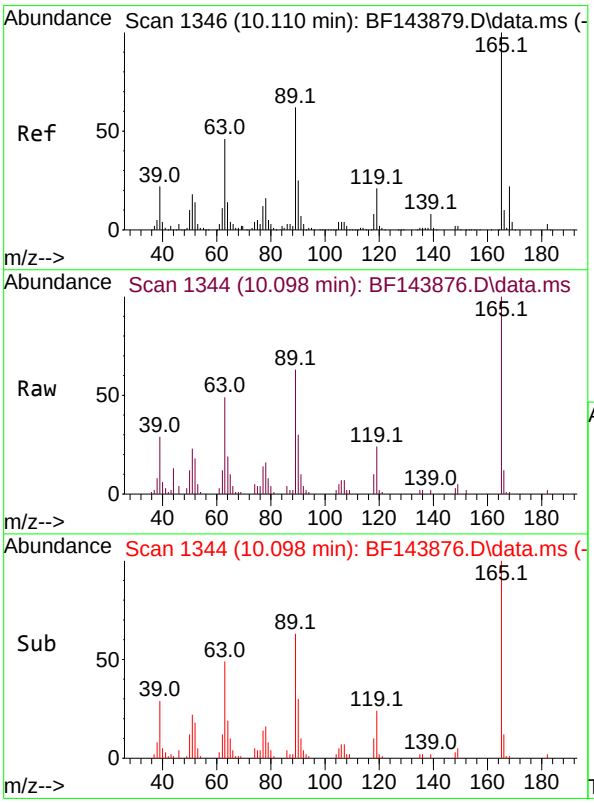
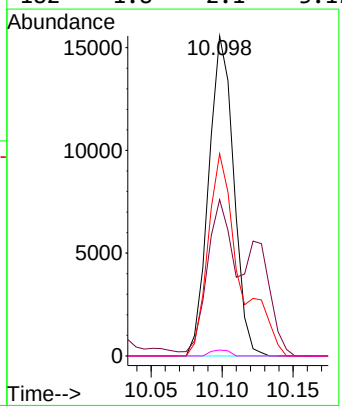
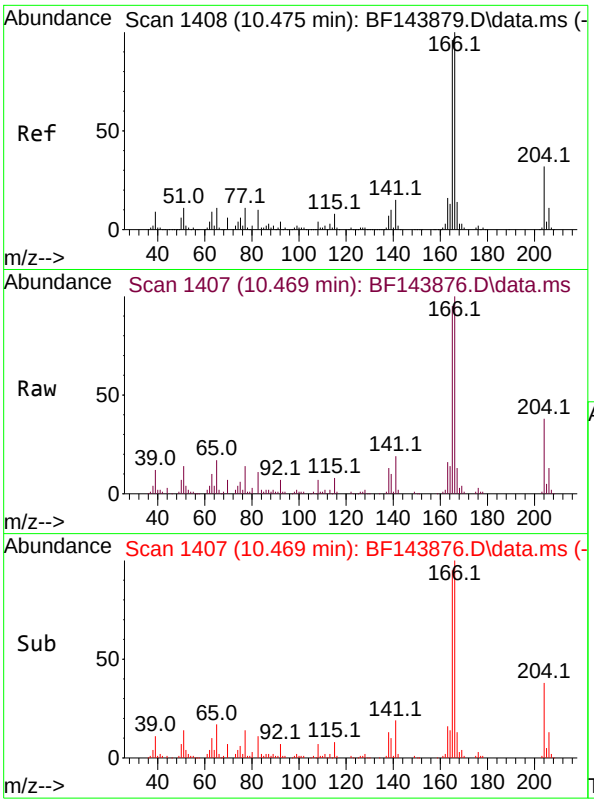


#57
2,4-Dinitrotoluene
Concen: 3.932 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:165 Resp: 19103

Ion	Ratio	Lower	Upper
165	100		
63	48.8	37.2	55.8
89	63.2	49.4	74.2
182	1.8	2.1	3.1#





#58
Fluorene
Concen: 6.430 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:166 Resp: 10560

Ion	Ratio	Lower	Upper
166	100		
165	94.8	77.0	115.6
167	12.7	11.1	16.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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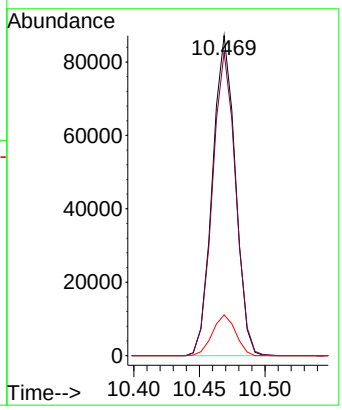
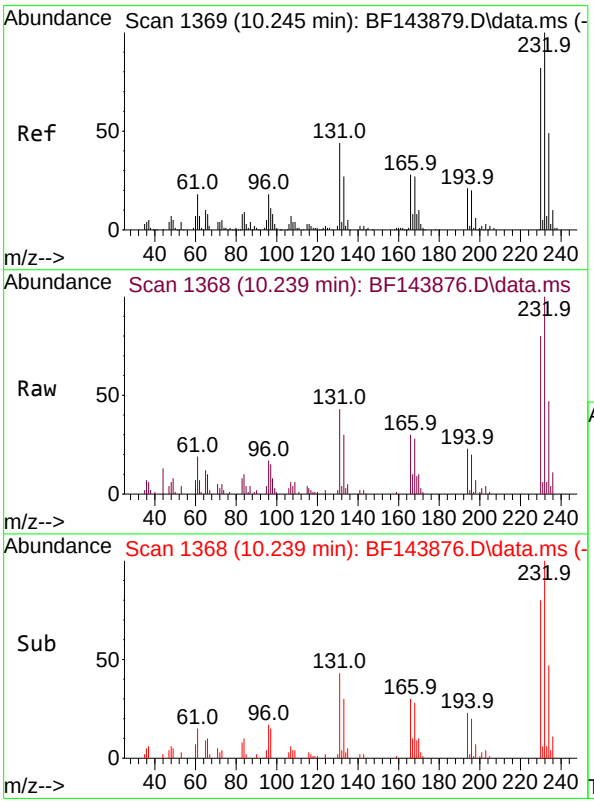
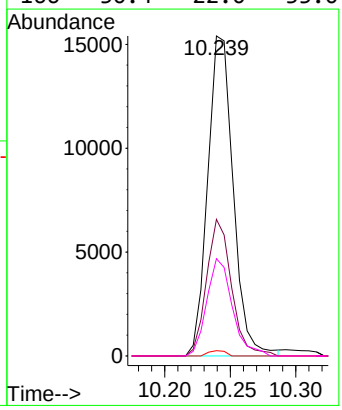


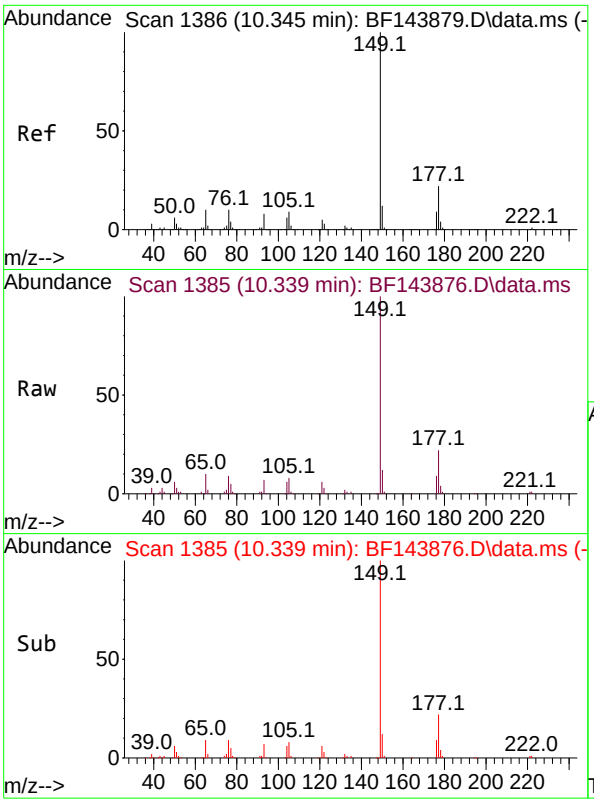


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.560 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:232 Resp: 20888

Ion	Ratio	Lower	Upper
232	100		
131	41.6	34.9	52.3
130	1.1	1.6	2.4#
166	30.4	22.0	33.0

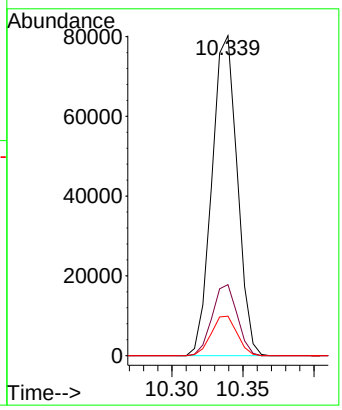




#60
Diethylphthalate
Concen: 5.590 ng
RT: 10.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 10001

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.3	9.8	14.8



Instrument :
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ClientSampleId :
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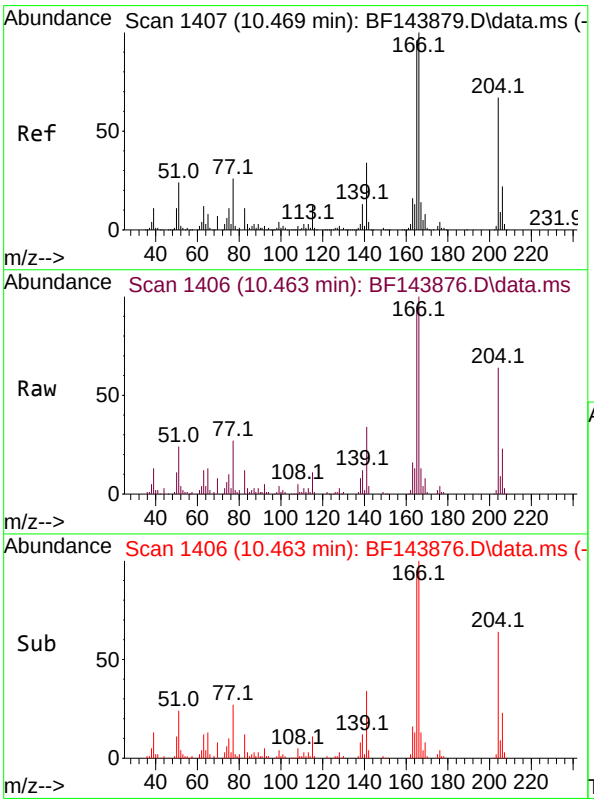
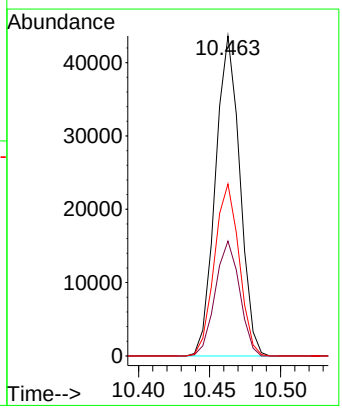
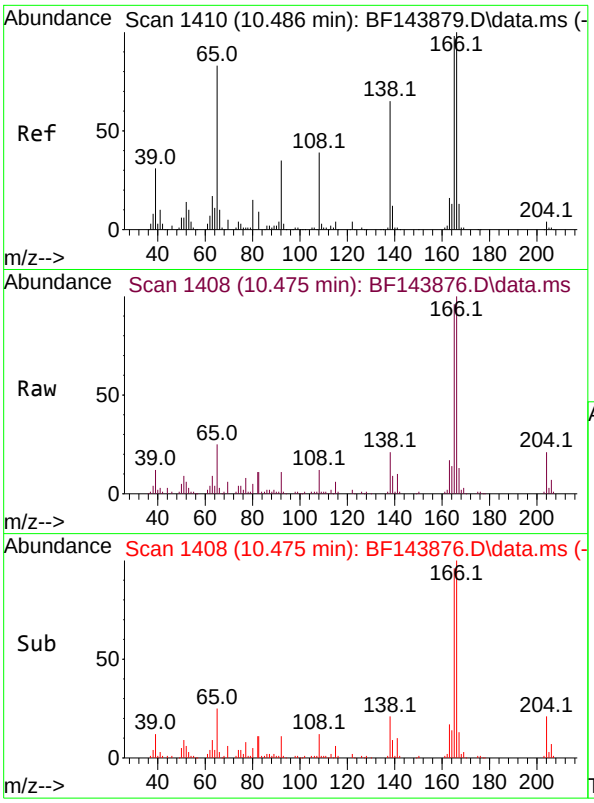


#61
4-Chlorophenyl-phenylether
Concen: 6.011 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:204 Resp: 52199

Ion	Ratio	Lower	Upper
204	100		
206	35.9	26.6	40.0
141	53.7	40.4	60.6

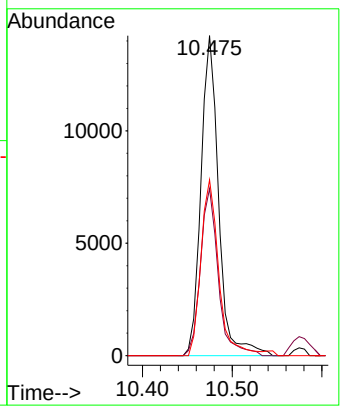




#62
4-Nitroaniline
Concen: 4.625 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:138 Resp: 1944

Ion	Ratio	Lower	Upper
138	100		
92	52.2	33.9	73.9
108	54.9	40.2	80.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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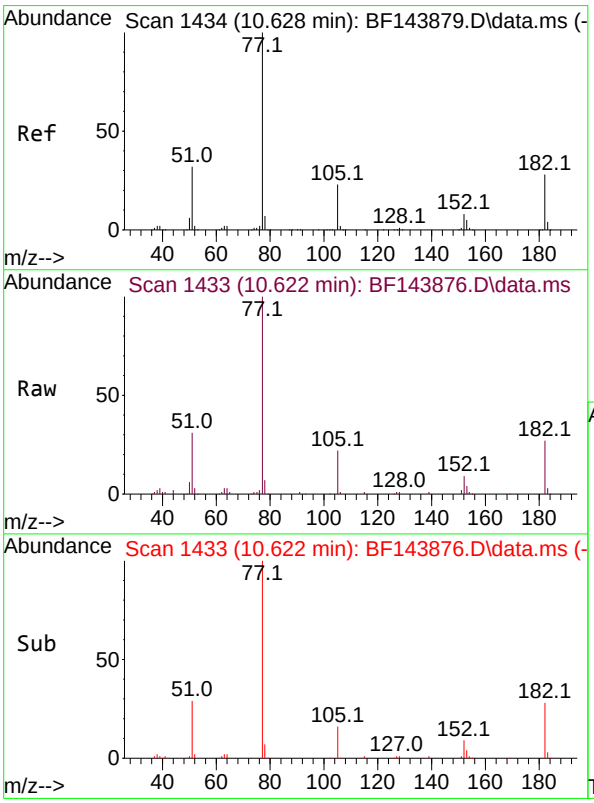
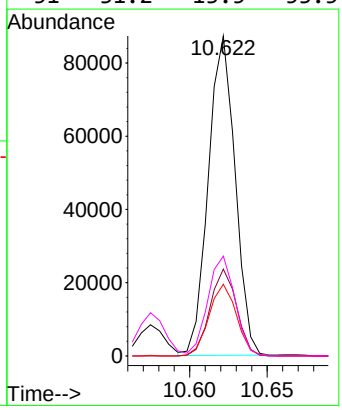
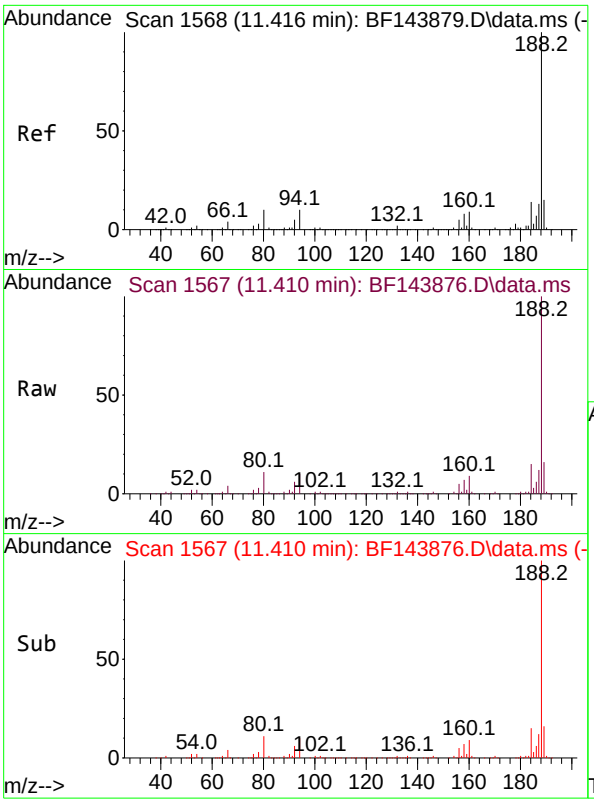


#63
Azobenzene
Concen: 5.625 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 77 Resp: 105174

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.3	47.3
105	22.4	3.0	43.0
51	31.2	13.5	53.5

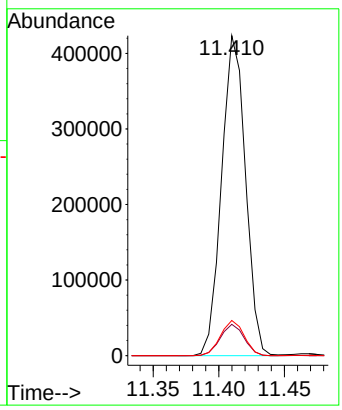




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:188 Resp: 538298

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.6
80	11.0	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
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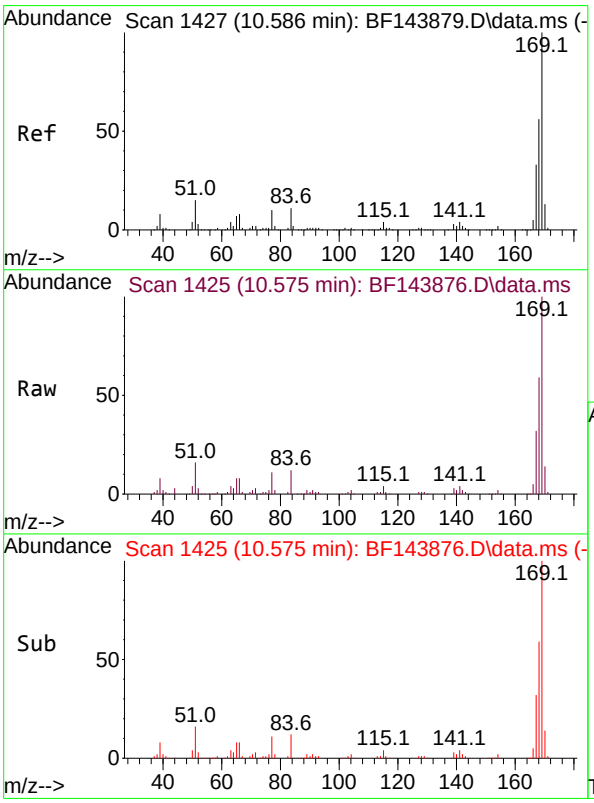
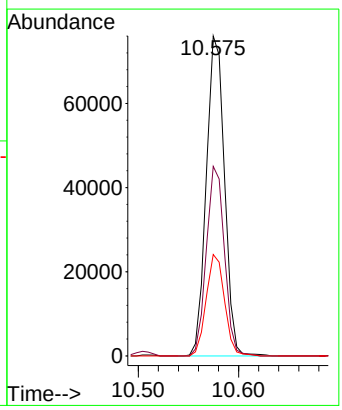
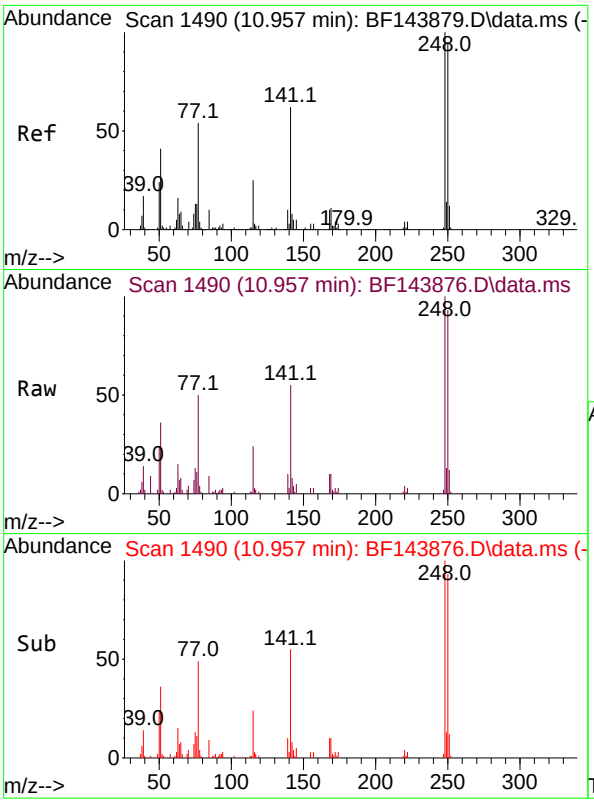


#66
n-Nitrosodiphenylamine
Concen: 5.671 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:169 Resp: 95847

Ion	Ratio	Lower	Upper
169	100		
168	59.2	44.9	67.3
167	31.7	26.3	39.5





#67
4-Bromophenyl-phenylether
Concen: 5.587 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:248 Resp: 3323

Ion	Ratio	Lower	Upper
248	100		
250	93.4	76.3	114.5
141	55.4	49.7	74.5

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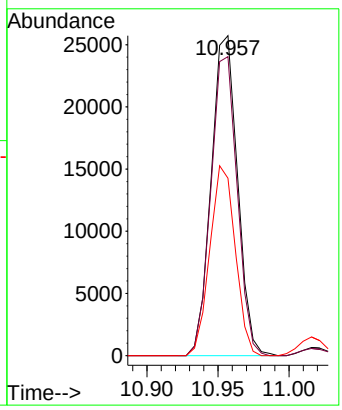
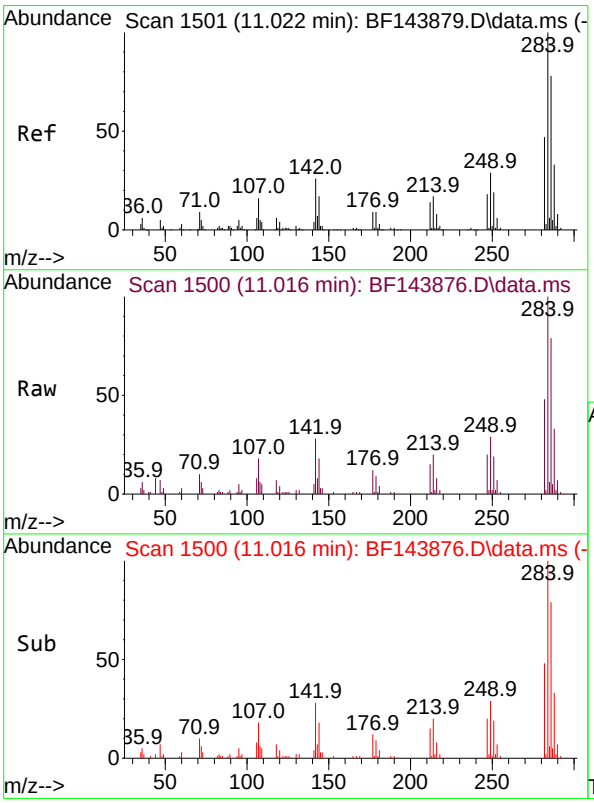
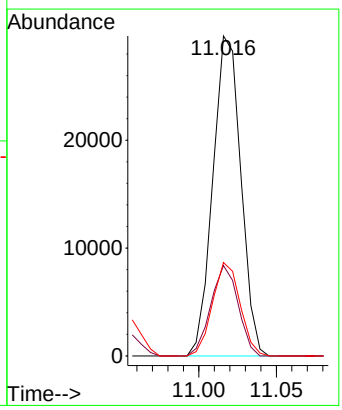


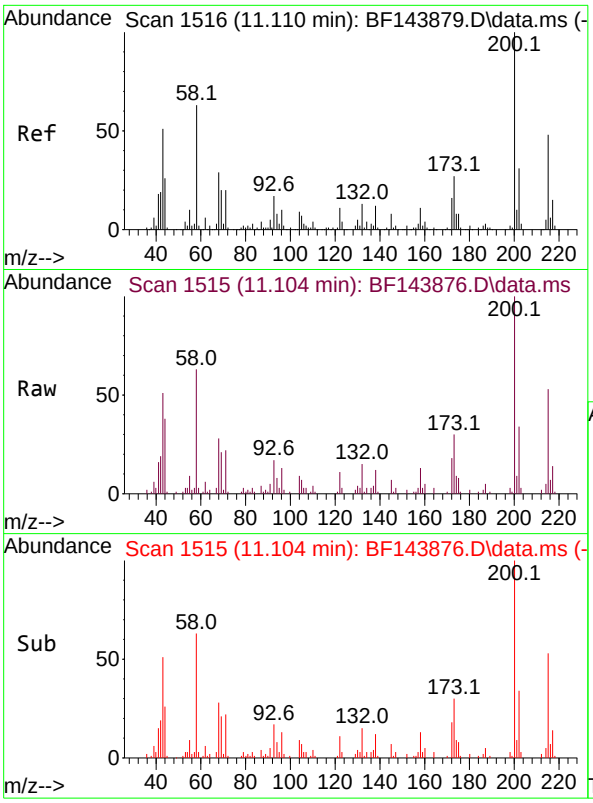


#68
Hexachlorobenzene
Concen: 5.406 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:284 Resp: 37233

Ion	Ratio	Lower	Upper
284	100		
142	28.2	20.6	30.8
249	29.2	23.2	34.8

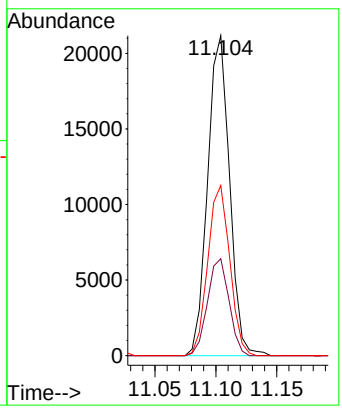




#69
Atrazine
Concen: 5.174 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:200 Resp: 2650

Ion	Ratio	Lower	Upper
200	100		
173	30.3	7.0	47.0
215	53.2	27.8	67.8



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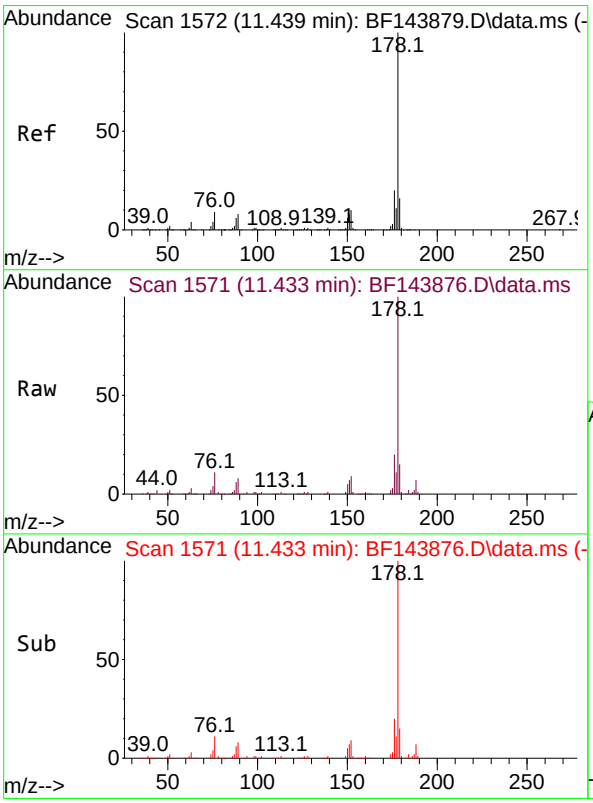
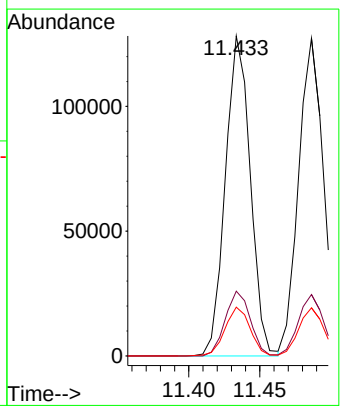
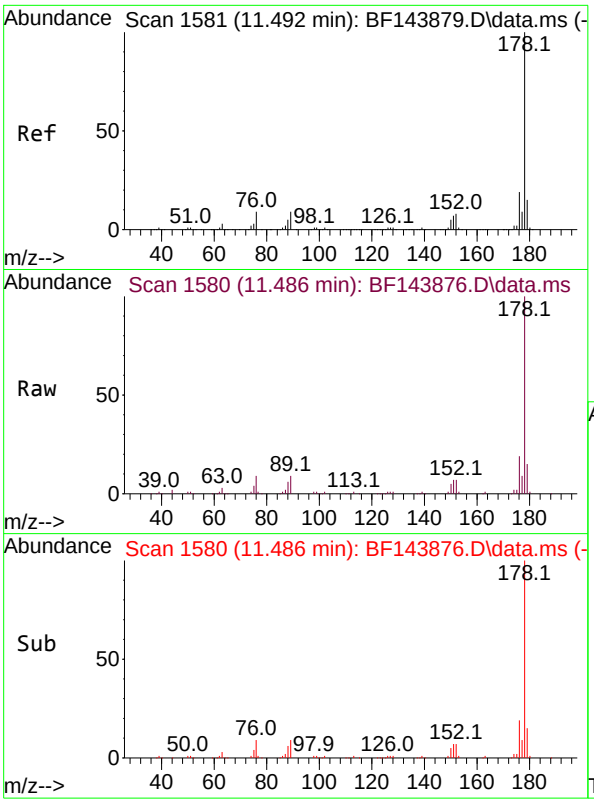


#71
Phenanthrene
Concen: 6.004 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:178 Resp: 156676

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.2	12.4	18.6

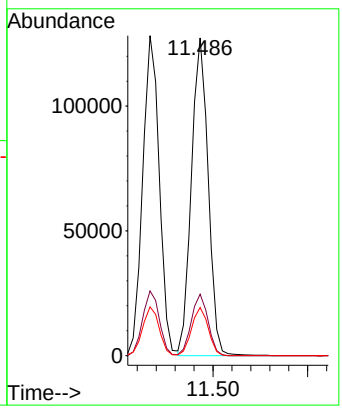




#72
Anthracene
Concen: 5.928 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:178 Resp: 15628

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	15.1	12.2	18.2



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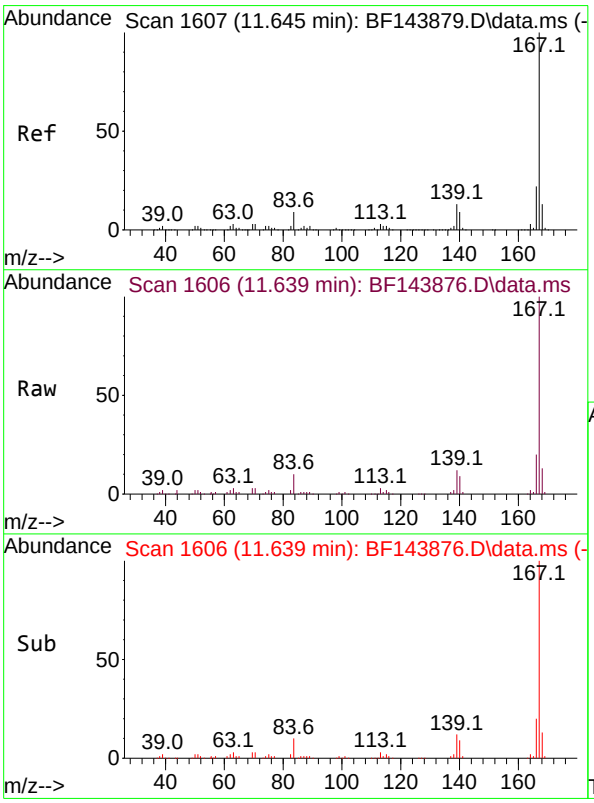
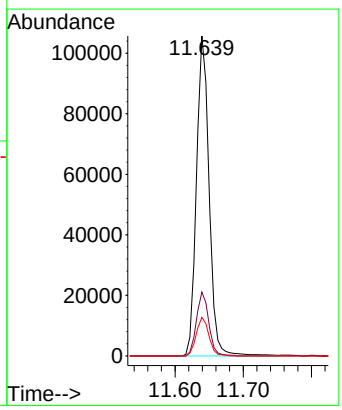
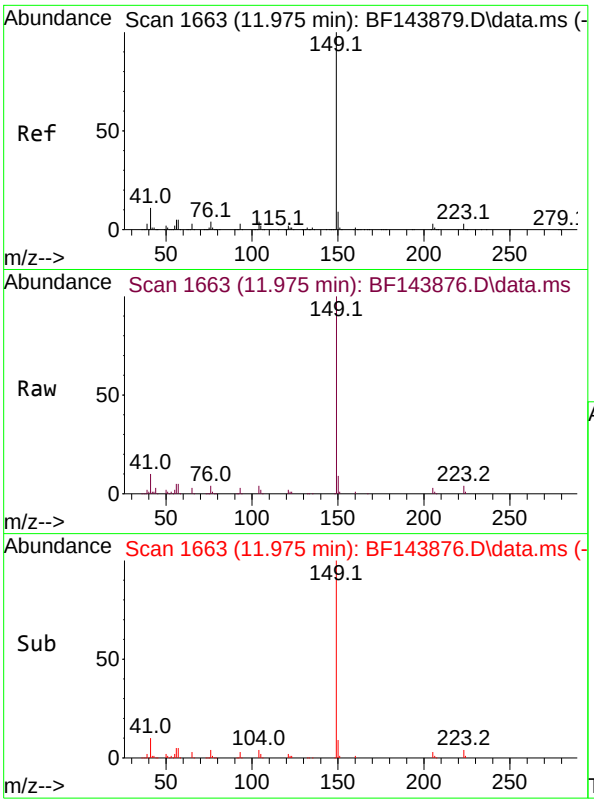


#73
Carbazole
Concen: 5.850 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:167 Resp: 136597

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.2	25.8
139	12.0	10.1	15.1

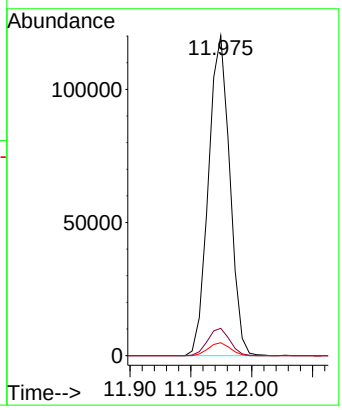




#74
Di-n-butylphthalate
Concen: 5.417 ng
RT: 11.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 14659

Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.4	11.2
104	4.0	3.4	5.2



Instrument :
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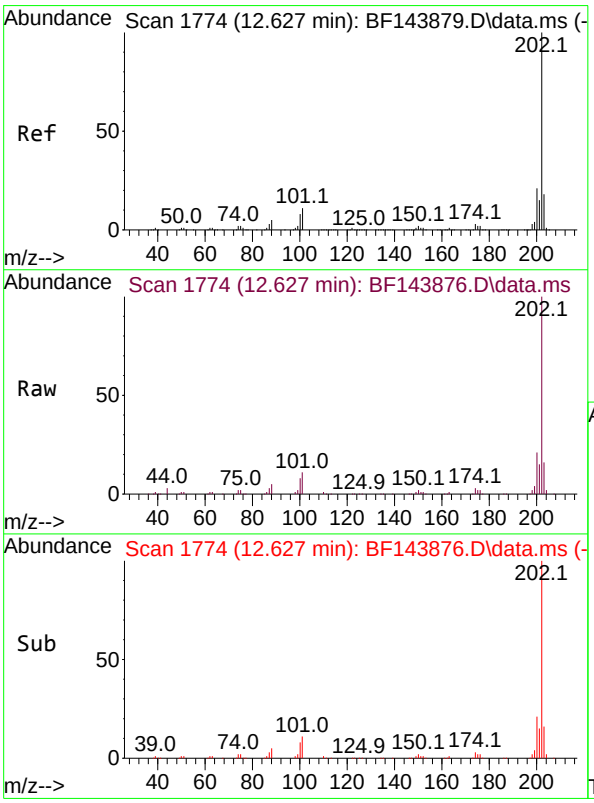
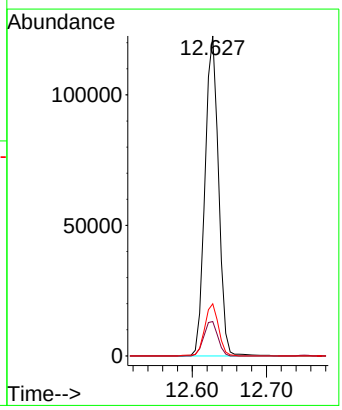
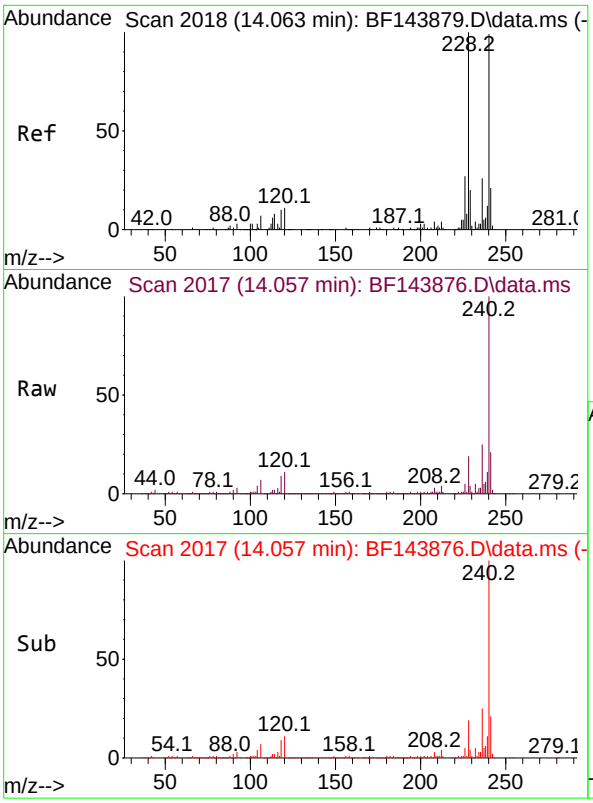


#75
Fluoranthene
Concen: 5.771 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:202 Resp: 155574

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	16.3	0.0	37.8

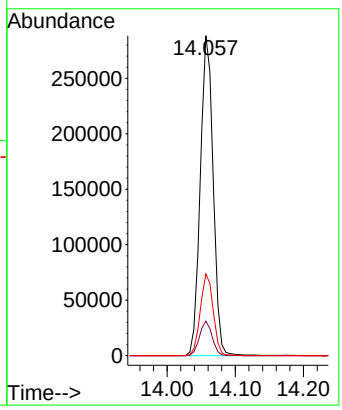




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:240 Resp: 37993

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.5	21.1	31.7



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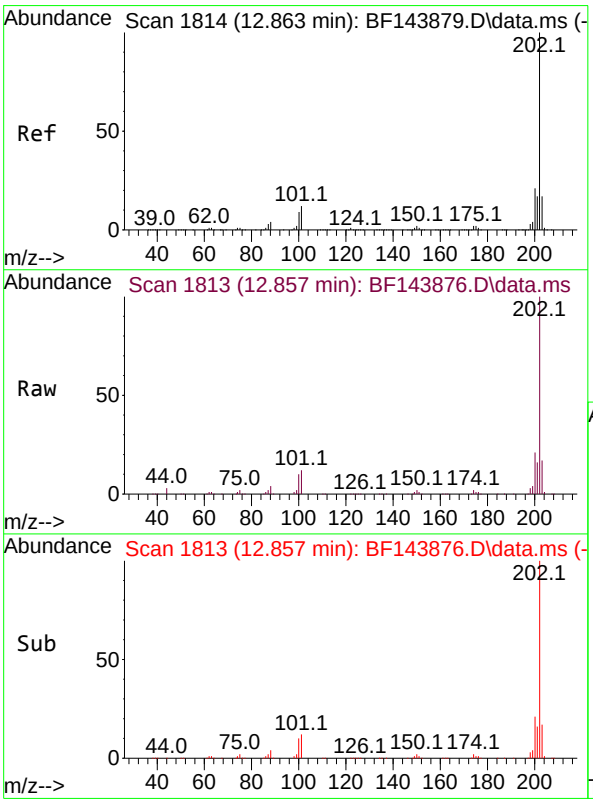
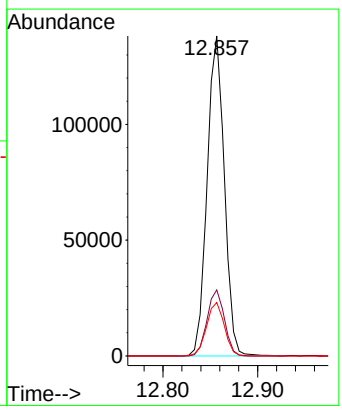
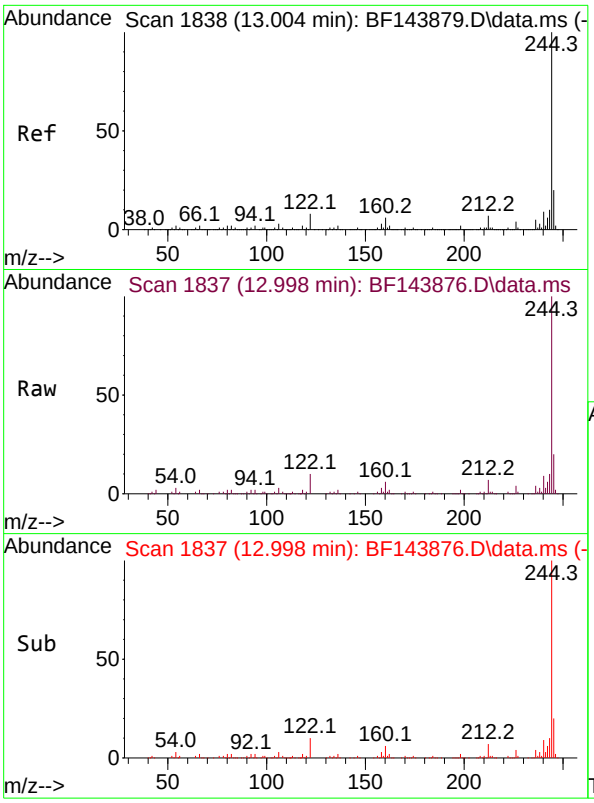


#78
Pyrene
Concen: 5.510 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:202 Resp: 174542

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	16.7	13.8	20.6

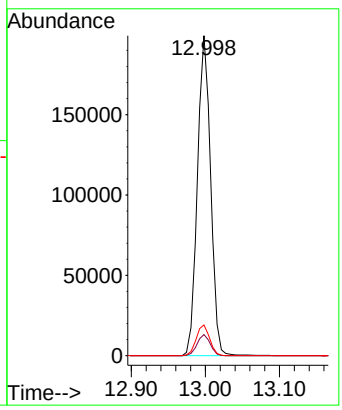




#79
Terphenyl-d14
Concen: 11.121 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:244 Resp: 24722

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.6	6.4	9.6



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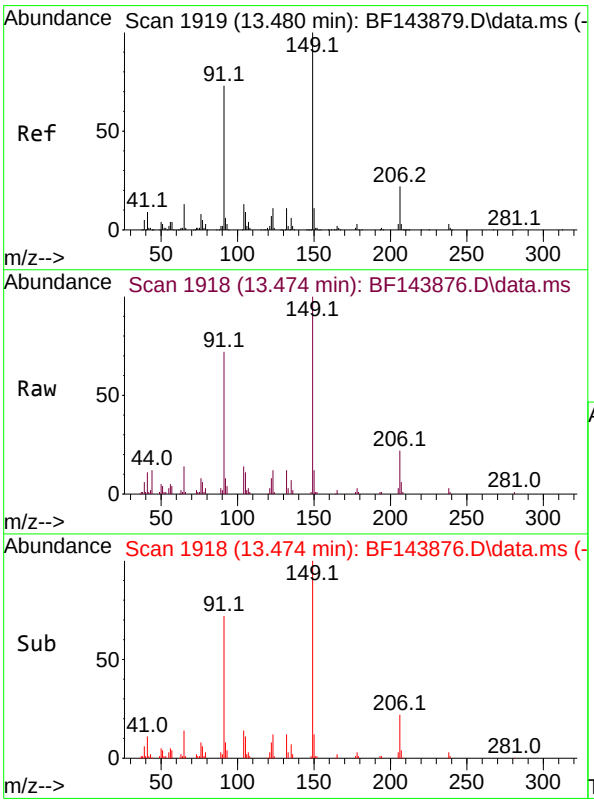
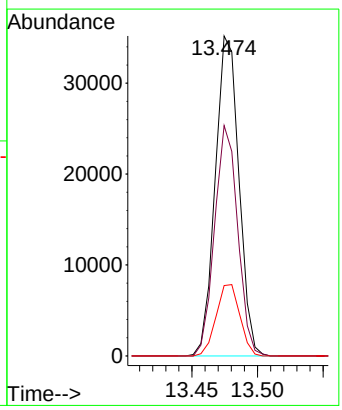
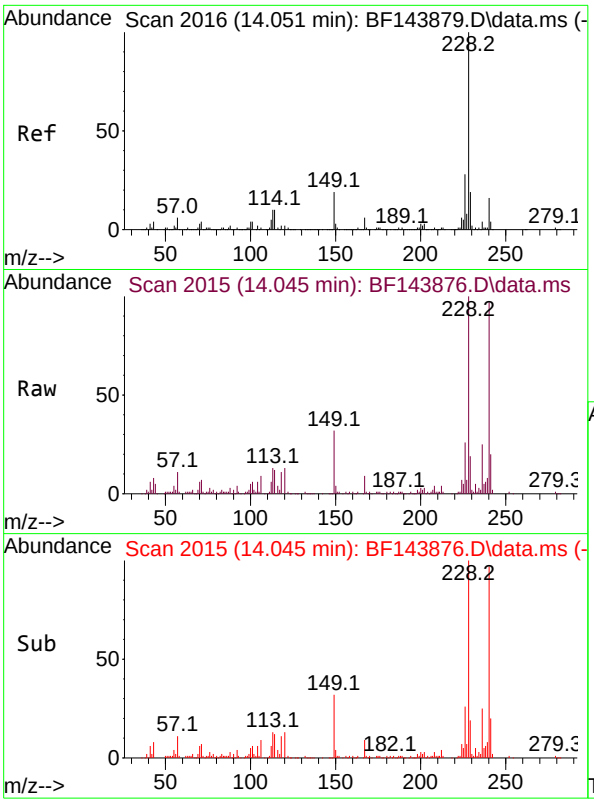


#80
Butylbenzylphthalate
Concen: 4.302 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 44252

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.2	87.2
206	22.0	17.9	26.9

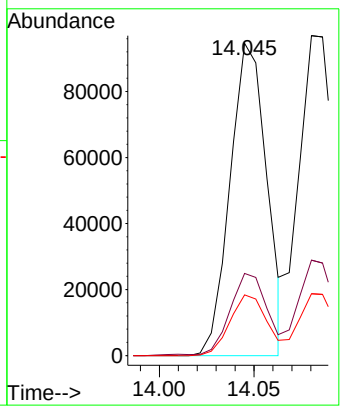




#81
Benzo(a)anthracene
Concen: 5.125 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:228 Resp: 12743

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.2	33.2
229	19.4	15.6	23.4



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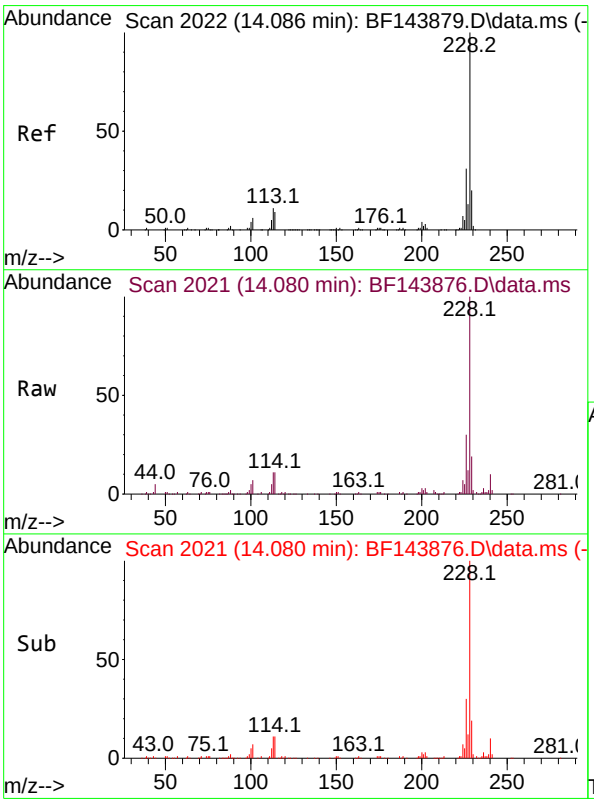
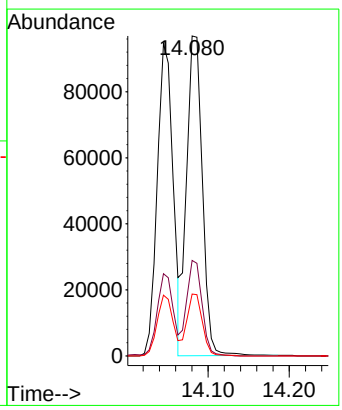
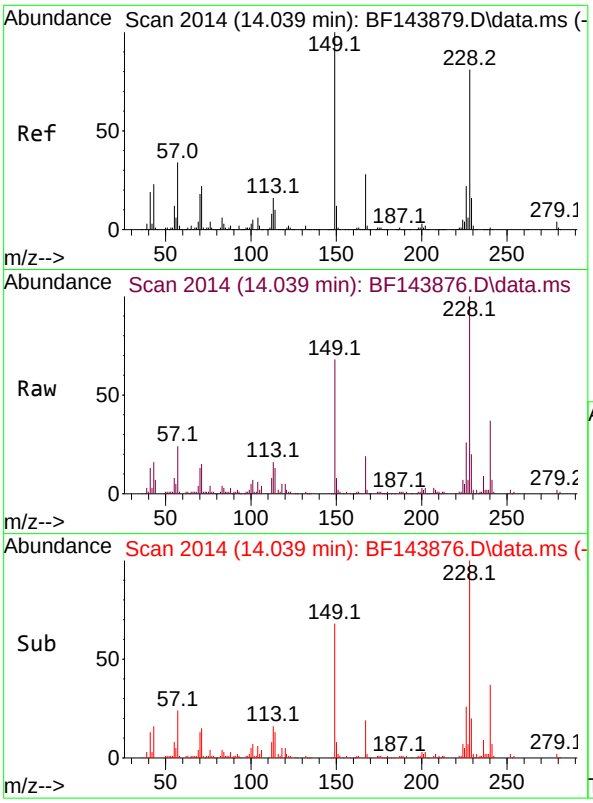


#83
Chrysene
Concen: 5.669 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:228 Resp: 130450

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	19.3	15.9	23.9

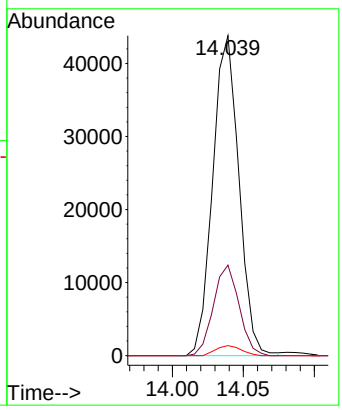




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.529 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 5616

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.4
279	3.1	3.1	4.7



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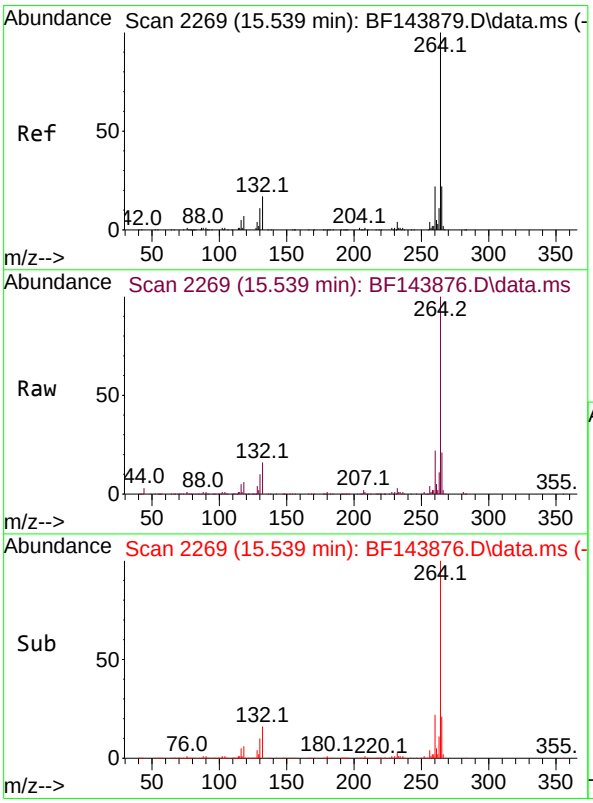
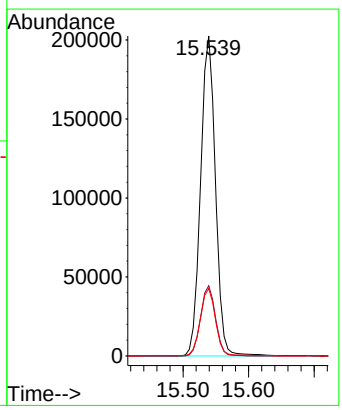
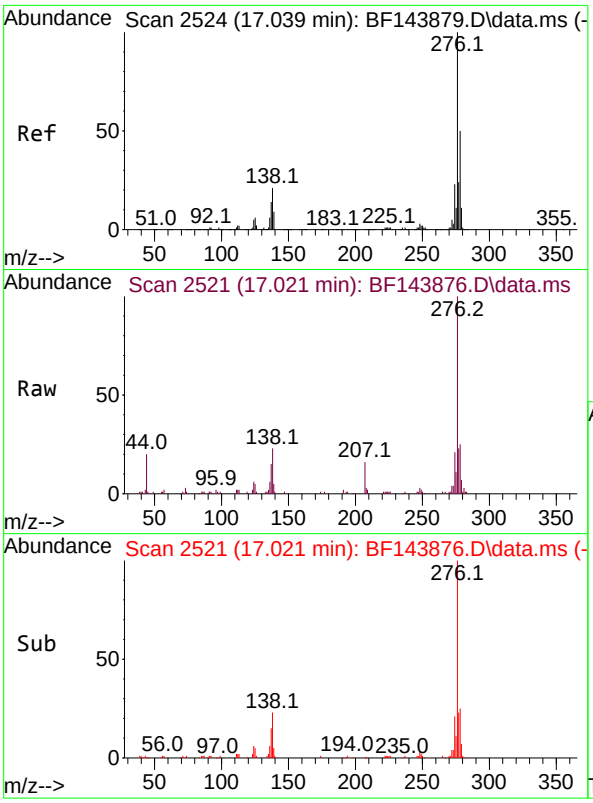


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:264 Resp: 317181

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.8	26.8
265	21.0	17.5	26.3

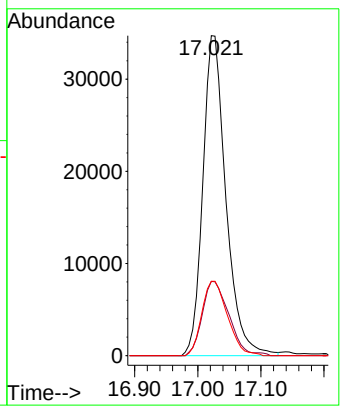




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.544 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:276 Resp: 8832

Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.2	27.2
277	25.7	19.8	29.6



Instrument :
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ClientSampleId :
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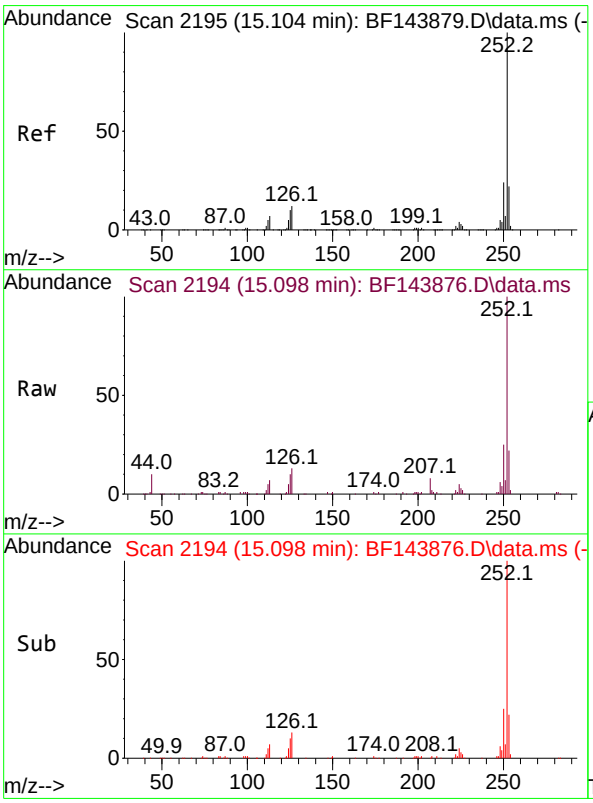
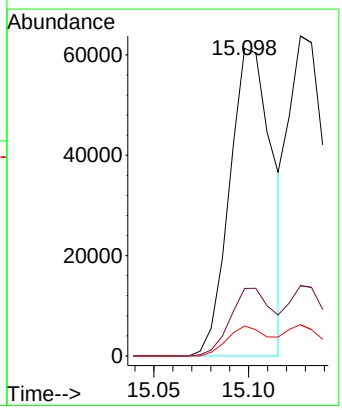
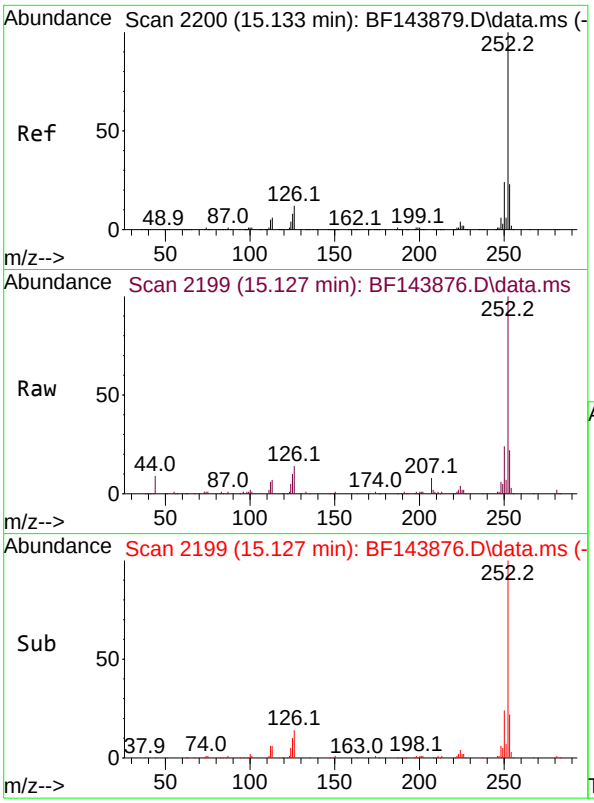


#88
Benzo(b)fluoranthene
Concen: 5.255 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 95737

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.7	7.8	11.6

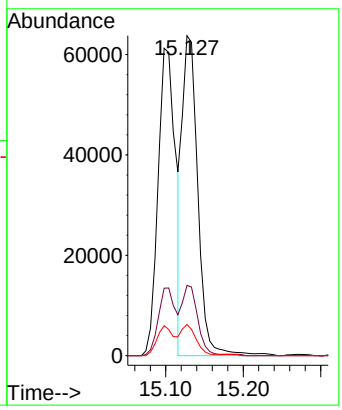




#89
Benzo(k)fluoranthene
Concen: 5.352 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 9022

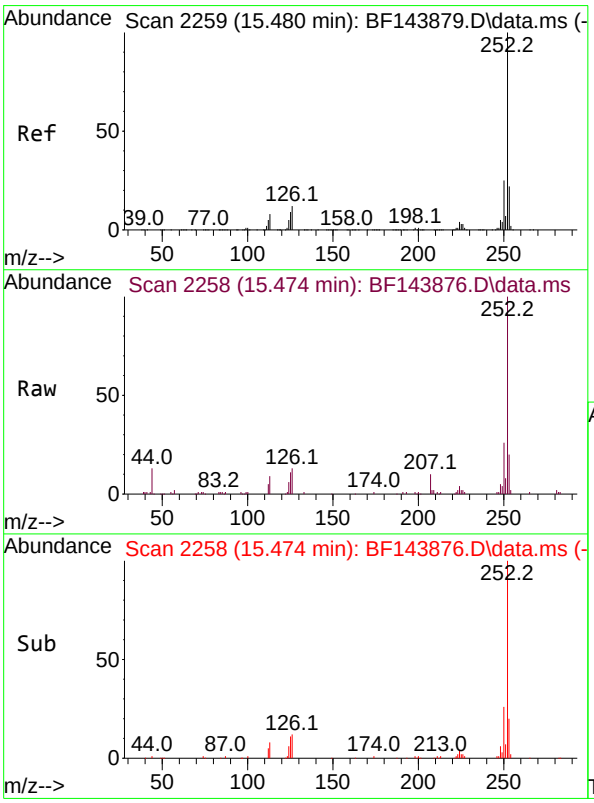
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.7	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

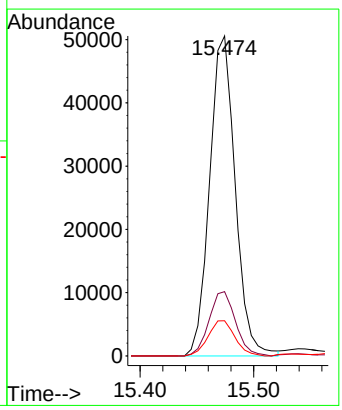
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

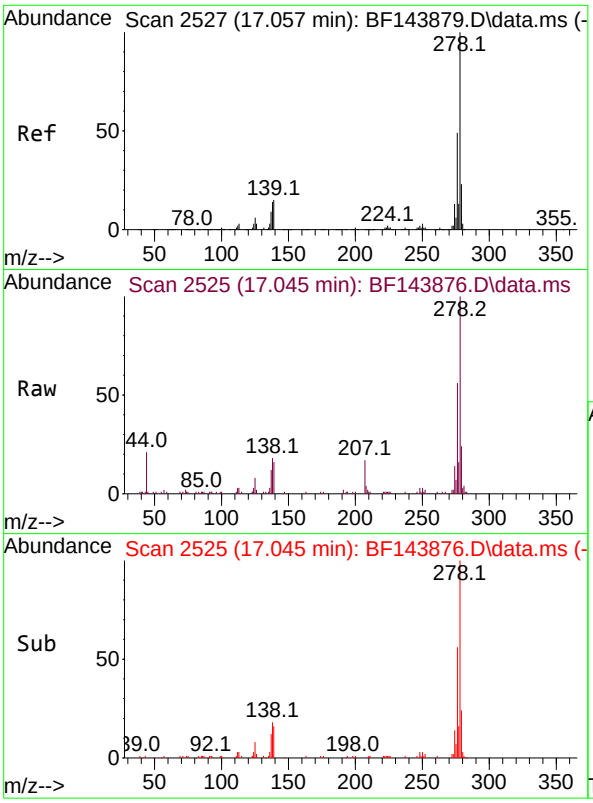


#90
Benzo(a)pyrene
Concen: 5.018 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 79275

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.3	25.9
125	11.0	7.0	10.4#

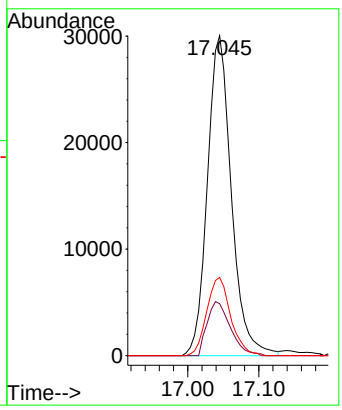




#91
Dibenzo(a,h)anthracene
Concen: 4.507 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:278 Resp: 7045

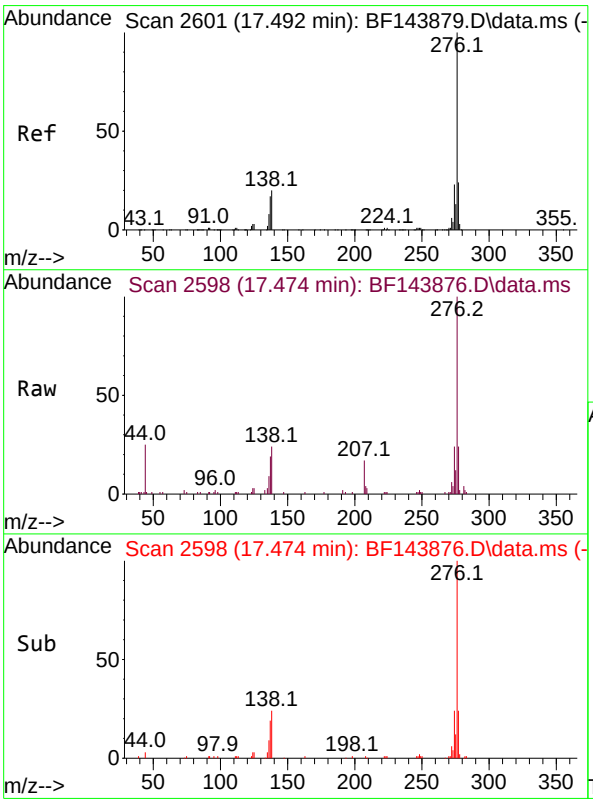
Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.7	17.5
279	24.4	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

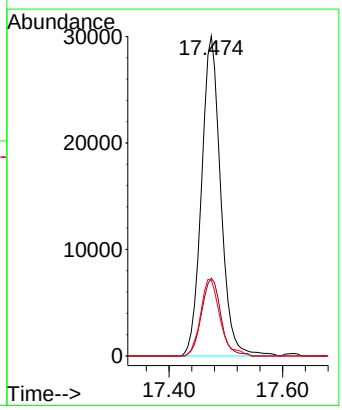
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 4.508 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:276 Resp: 70468

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	23.7	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126533	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	493548	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	283821	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	504357	20.000	ng	0.00
76) Chrysene-d12	14.057	240	366499	20.000	ng	-0.01
86) Perylene-d12	15.539	264	297391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	170697	21.422	ng	-0.01
7) Phenol-d6	6.493	99	206358	21.727	ng	-0.02
23) Nitrobenzene-d5	7.440	82	164127	20.204	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	54453	19.262	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	404164	22.595	ng	-0.01
79) Terphenyl-d14	12.998	244	442968	20.657	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	37665	10.215	ng	96
3) Pyridine	3.399	79	105800	9.856	ng	99
4) n-Nitrosodimethylamine	3.322	42	49793	8.818	ng	99
6) Aniline	6.540	93	147222	10.344	ng	98
8) 2-Chlorophenol	6.663	128	77754	9.983	ng	97
9) Benzaldehyde	6.434	77	70546	9.629	ng	98
10) Phenol	6.510	94	114780m	10.109	ng	
11) bis(2-Chloroethyl)ether	6.610	93	92208	10.513	ng	98
12) 1,3-Dichlorobenzene	6.822	146	100630	10.793	ng	96
13) 1,4-Dichlorobenzene	6.898	146	101588	11.046	ng	97
14) 1,2-Dichlorobenzene	7.051	146	95345	10.824	ng	98
15) Benzyl Alcohol	7.016	79	70756	9.943	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	214183	10.728	ng	99
17) 2-Methylphenol	7.122	107	66872	10.389	ng	96
18) Hexachloroethane	7.398	117	32160	10.486	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	71731	11.034	ng	94
20) 3+4-Methylphenols	7.275	107	88634	11.881	ng	95
22) Acetophenone	7.287	105	113751	10.900	ng	96
24) Nitrobenzene	7.457	77	86228	9.558	ng	96
25) Isophorone	7.698	82	174767	10.203	ng	98
26) 2-Nitrophenol	7.781	139	32787	8.477	ng	95
27) 2,4-Dimethylphenol	7.810	122	70960	10.199	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	116898	10.804	ng	95
29) 2,4-Dichlorophenol	8.016	162	72141	9.954	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	73668	10.336	ng	98
31) Naphthalene	8.187	128	245857	10.951	ng	99
32) Benzoic acid	7.869	122	32361m	6.721	ng	
33) 4-Chloroaniline	8.234	127	91294	10.842	ng	95
34) Hexachlorobutadiene	8.304	225	52824	10.665	ng	98
35) Caprolactam	8.569	113	22813	9.900	ng	95
36) 4-Chloro-3-methylphenol	8.704	107	74546	10.708	ng	96
37) 2-Methylnaphthalene	8.875	142	168581	11.272	ng	98
38) 1-Methylnaphthalene	8.975	142	161895	11.160	ng	96
40) 1,2,4,5-Tetrachloroben...	9.039	216	83972	10.705	ng	97
41) Hexachlorocyclopentadiene	9.034	237	25812	7.932	ng	95
43) 2,4,6-Trichlorophenol	9.151	196	55929	9.758	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	63036	10.407	ng		98
46) 1,1'-Biphenyl	9.339	154	209528	11.150	ng		99
47) 2-Chloronaphthalene	9.363	162	169672	10.829	ng		96
48) 2-Nitroaniline	9.457	65	45663	9.219	ng		96
49) Acenaphthylene	9.781	152	241454	10.962	ng		98
50) Dimethylphthalate	9.633	163	191729	10.638	ng		99
51) 2,6-Dinitrotoluene	9.698	165	28928	8.655	ng		95
52) Acenaphthene	9.957	154	158214	10.962	ng		99
53) 3-Nitroaniline	9.869	138	38386	9.380	ng		99
54) 2,4-Dinitrophenol	9.975	184	8624	10.761	ng	#	60
55) Dibenzofuran	10.128	168	228160	11.199	ng		97
56) 4-Nitrophenol	10.016	139	24585	7.934	ng		89
57) 2,4-Dinitrotoluene	10.098	165	40299	8.862	ng		95
58) Fluorene	10.469	166	179607	11.683	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	43052	10.041	ng	#	95
60) Diethylphthalate	10.339	149	181846	10.860	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	94000	11.565	ng		98
62) 4-Nitroaniline	10.475	138	36684	9.322	ng		95
63) Azobenzene	10.622	77	188888	10.794	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	16274	6.421	ng		96
66) n-Nitrosodiphenylamine	10.580	169	172118	10.869	ng		97
67) 4-Bromophenyl-phenylether	10.957	248	58980	10.581	ng		96
68) Hexachlorobenzene	11.022	284	67494	10.459	ng		98
69) Atrazine	11.104	200	52016	10.837	ng		98
70) Pentachlorophenol	11.216	266	29608	7.989	ng		96
71) Phenanthrene	11.433	178	275484	11.267	ng		99
72) Anthracene	11.486	178	276694	11.201	ng		99
73) Carbazole	11.639	167	242534	11.086	ng		99
74) Di-n-butylphthalate	11.975	149	275838	10.879	ng		99
75) Fluoranthene	12.627	202	290713	11.510	ng		99
77) Benzidine	12.751	184	128424	10.092	ng		98
78) Pyrene	12.857	202	304789	9.975	ng		99
80) Butylbenzylphthalate	13.480	149	92241	9.296	ng		97
81) Benzo(a)anthracene	14.051	228	246871	10.293	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	66722	9.129	ng	#	99
83) Chrysene	14.086	228	217741	9.809	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	113431	9.483	ng		97
85) Di-n-octyl phthalate	14.657	149	153434	7.810	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	164200	9.011	ng		96
88) Benzo(b)fluoranthene	15.104	252	169146	9.901	ng		99
89) Benzo(k)fluoranthene	15.133	252	174390	11.032	ng		98
90) Benzo(a)pyrene	15.474	252	149543	10.096	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	135992	9.279	ng		97
92) Benzo(g,h,i)perylene	17.474	276	132076	9.012	ng		98

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

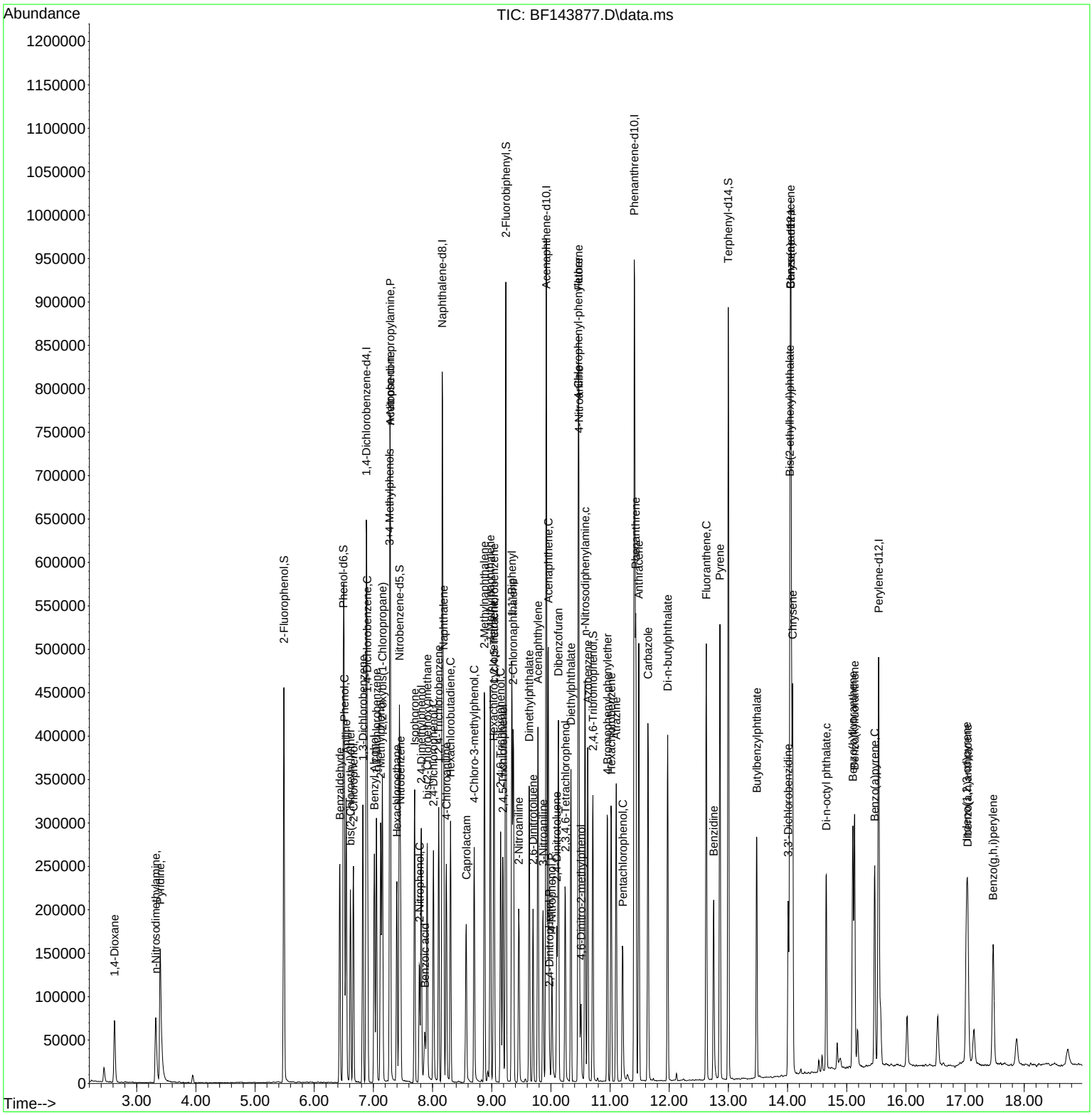
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

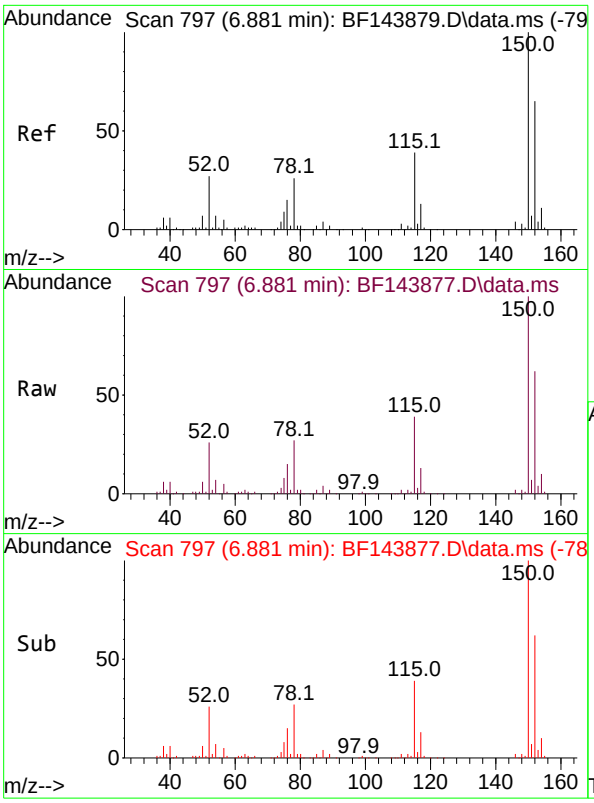
Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

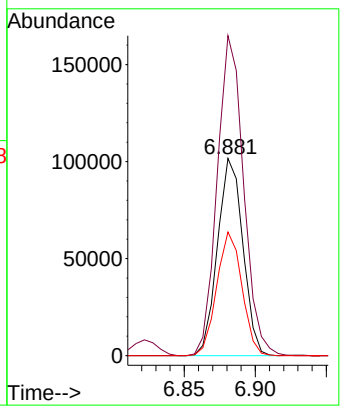




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:152 Resp: 12653

Ion	Ratio	Lower	Upper
152	100		
150	162.3	124.4	186.6
115	62.7	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
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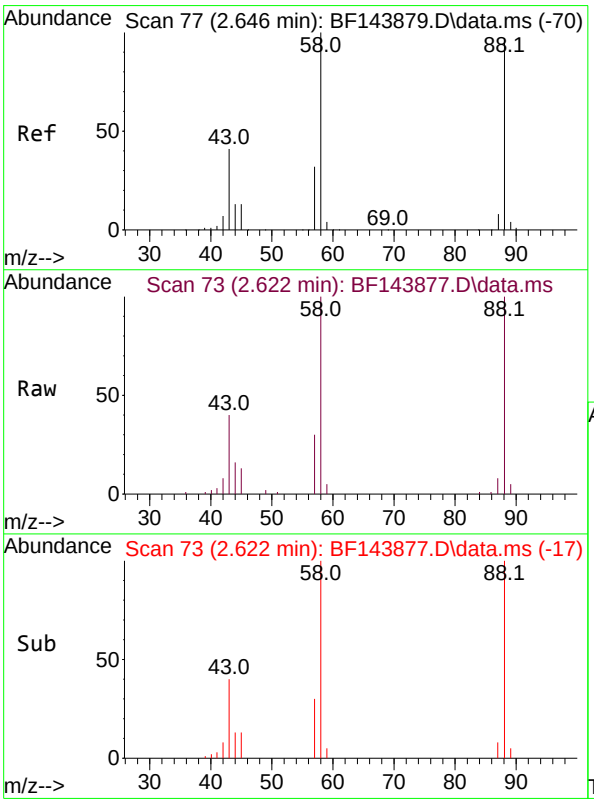
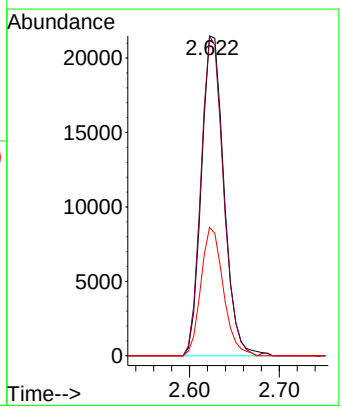
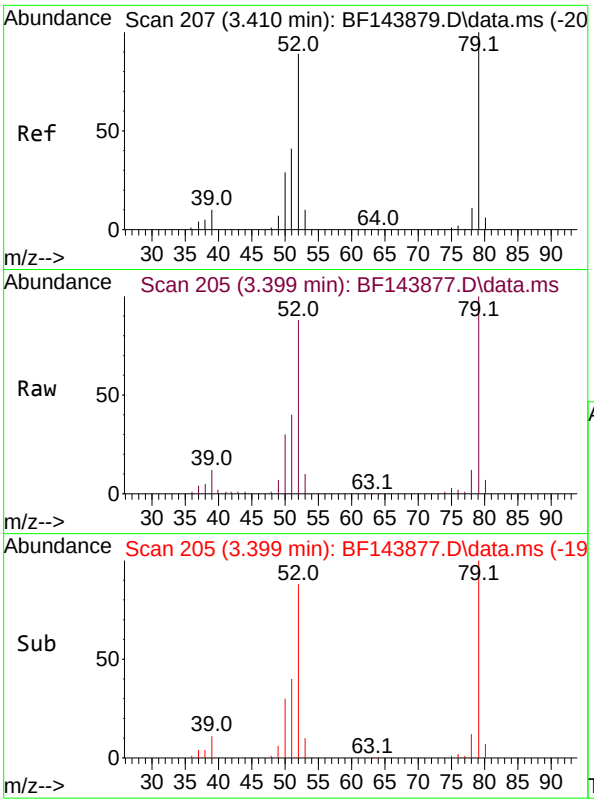


#2
1,4-Dioxane
Concen: 10.215 ng
RT: 2.622 min Scan# 73
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 88 Resp: 37665

Ion	Ratio	Lower	Upper
88	100		
58	99.3	83.0	124.6
43	39.9	33.9	50.9

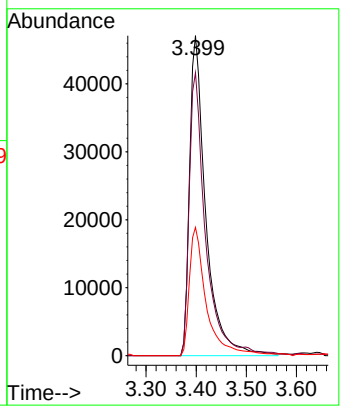




#3
Pyridine
Concen: 9.856 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 79 Resp: 10580

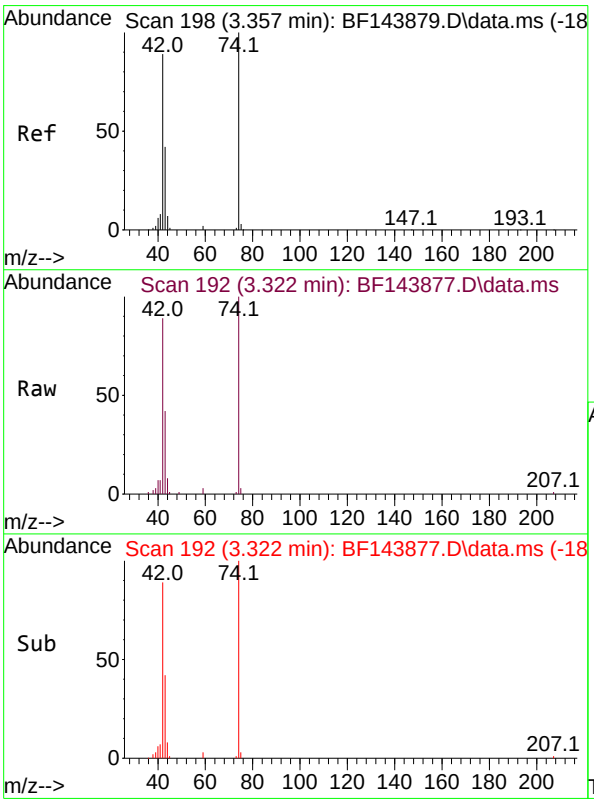
Ion	Ratio	Lower	Upper
79	100		
52	88.4	71.5	107.3
51	40.1	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

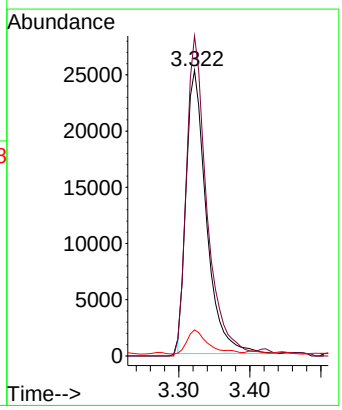
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

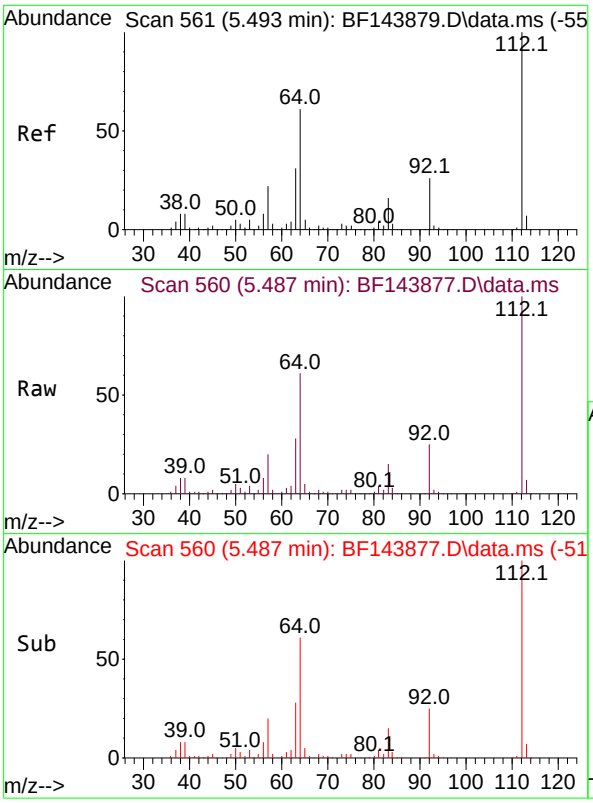


#4
n-Nitrosodimethylamine
Concen: 8.818 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.065 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 42 Resp: 49793

Ion	Ratio	Lower	Upper
42	100		
74	112.1	90.0	135.0
44	9.1	6.2	9.2





#5
2-Fluorophenol
Concen: 21.422 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

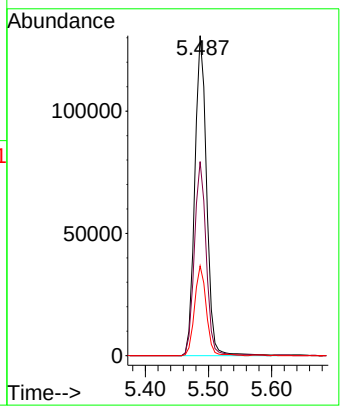
Tgt Ion:112 Resp: 17069

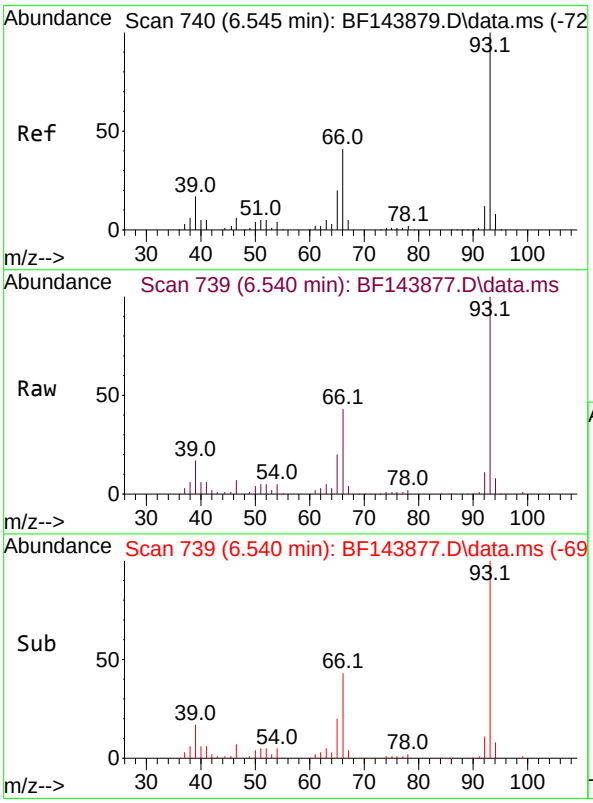
Ion	Ratio	Lower	Upper
112	100		
64	60.6	49.1	73.7
63	28.0	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

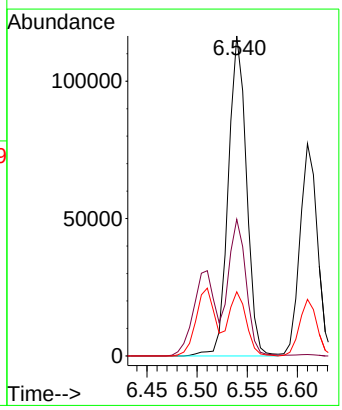


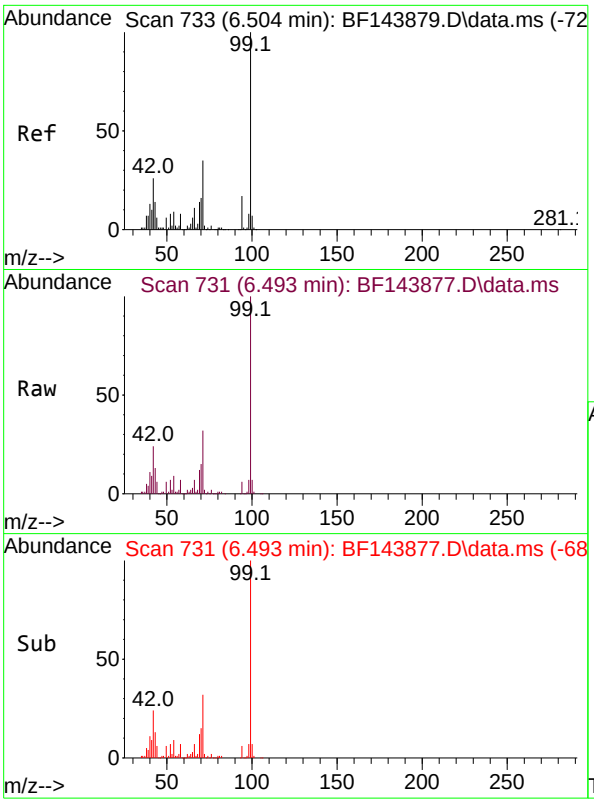


#6
Aniline
Concen: 10.344 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 147222

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.0	49.6
65	20.0	15.8	23.8

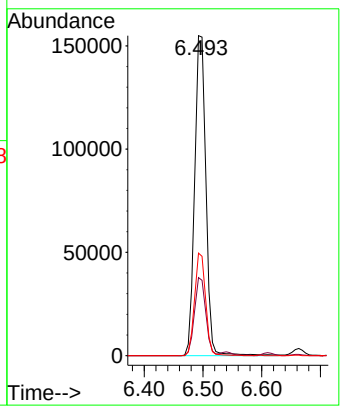




#7
Phenol-d6
Concen: 21.727 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 99 Resp: 20635

Ion	Ratio	Lower	Upper
99	100		
42	24.4	21.0	31.4
71	32.0	27.8	41.8



Instrument :
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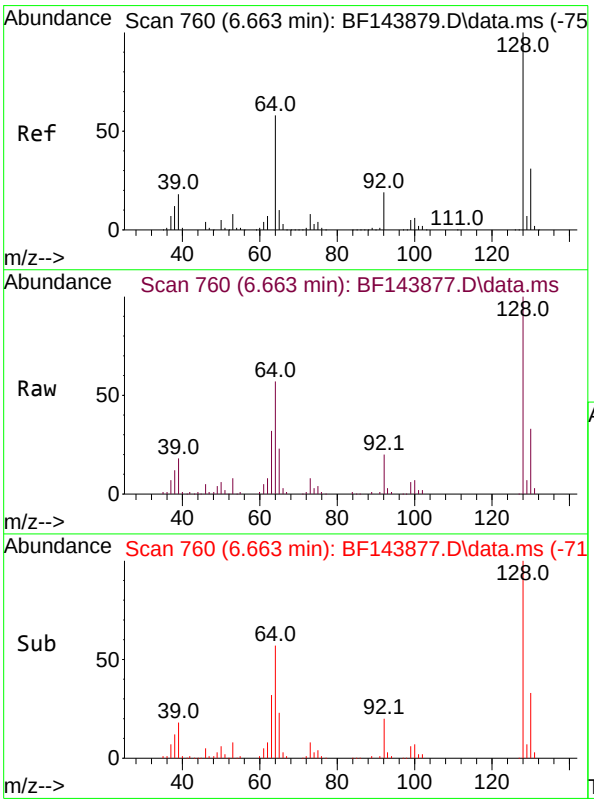
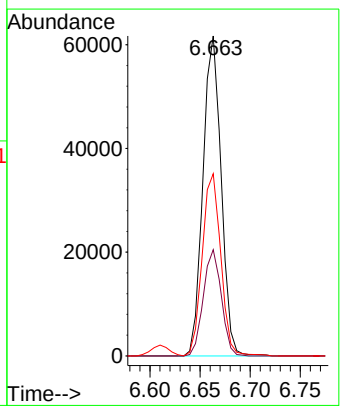
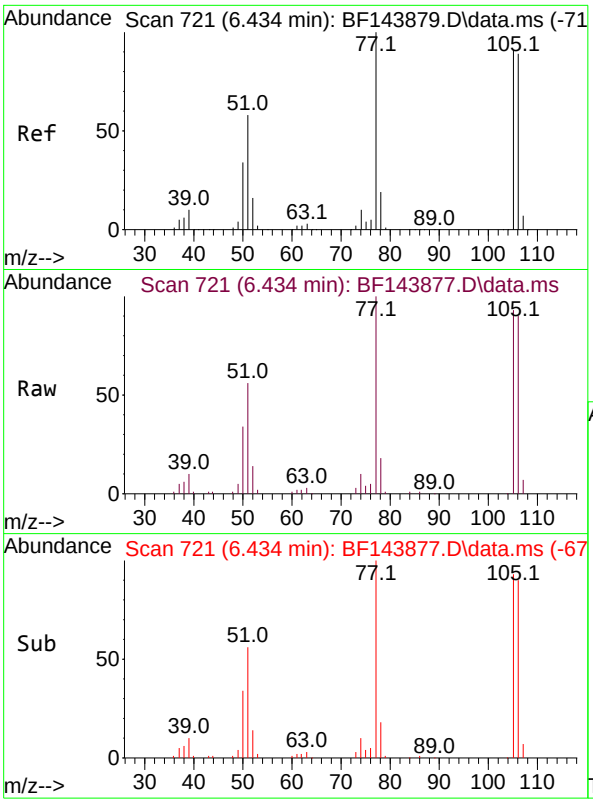


#8
2-Chlorophenol
Concen: 9.983 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:128 Resp: 77754

Ion	Ratio	Lower	Upper
128	100		
130	33.2	10.7	50.7
64	56.9	39.0	79.0

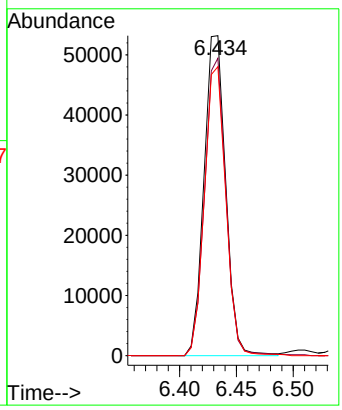




#9
Benzaldehyde
Concen: 9.629 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 7054

Ion	Ratio	Lower	Upper
77	100		
105	92.9	70.9	110.9
106	90.3	68.9	108.9



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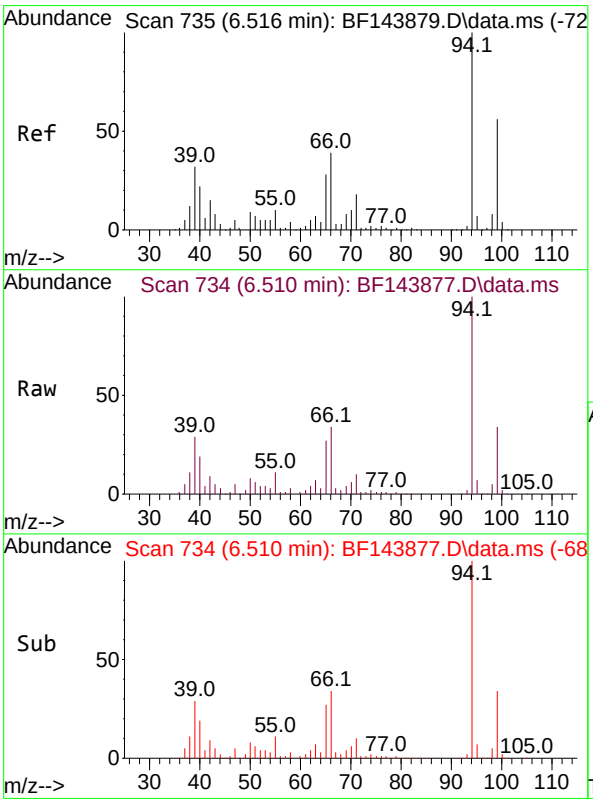
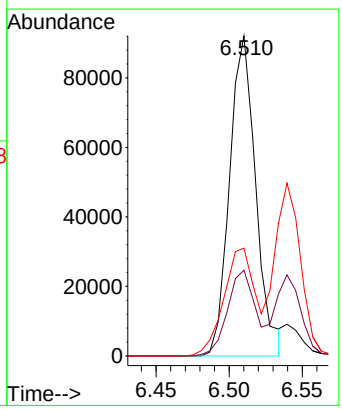
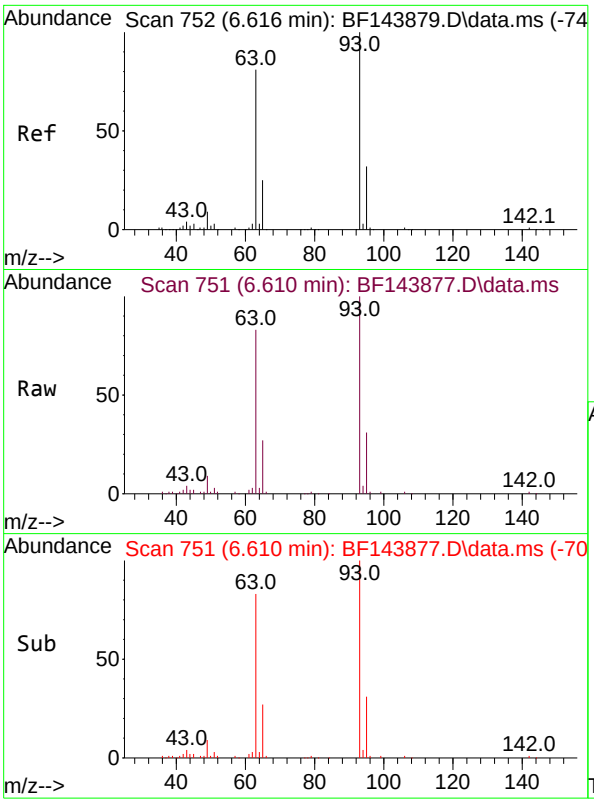


#10
Phenol
Concen: 10.109 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 94 Resp: 114780

Ion	Ratio	Lower	Upper
94	100		
65	26.8	8.5	48.5
66	33.7	19.9	59.9

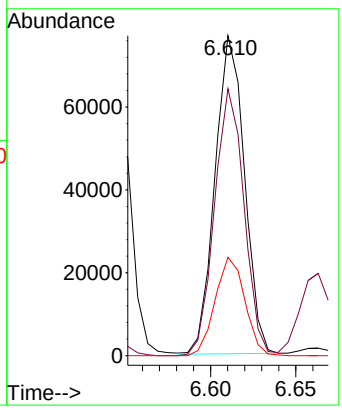




#11
bis(2-Chloroethyl)ether
Concen: 10.513 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 9220

Ion	Ratio	Lower	Upper
93	100		
63	83.4	60.9	100.9
95	30.7	11.5	51.5



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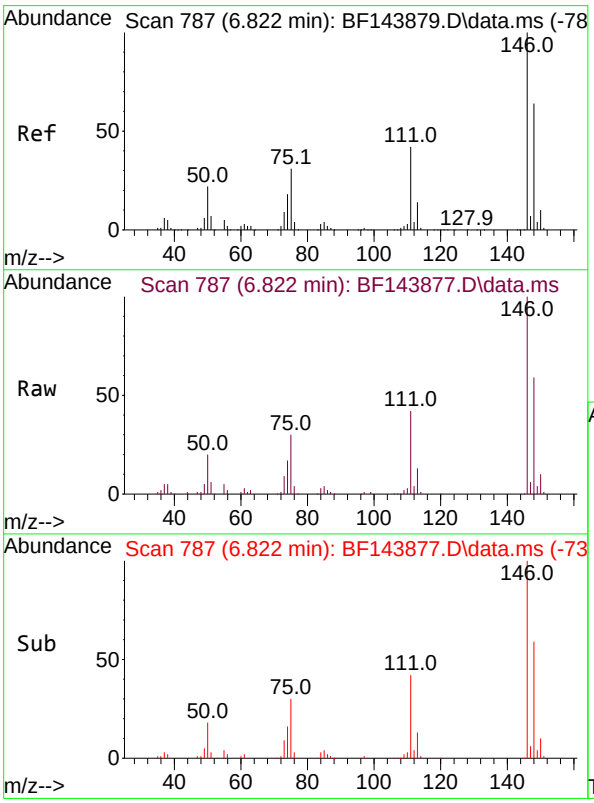
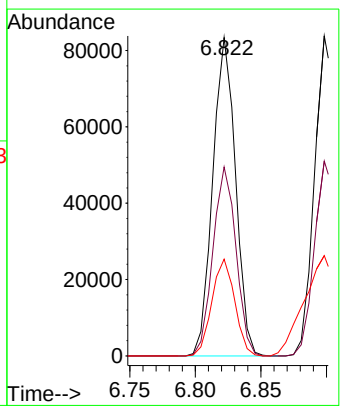
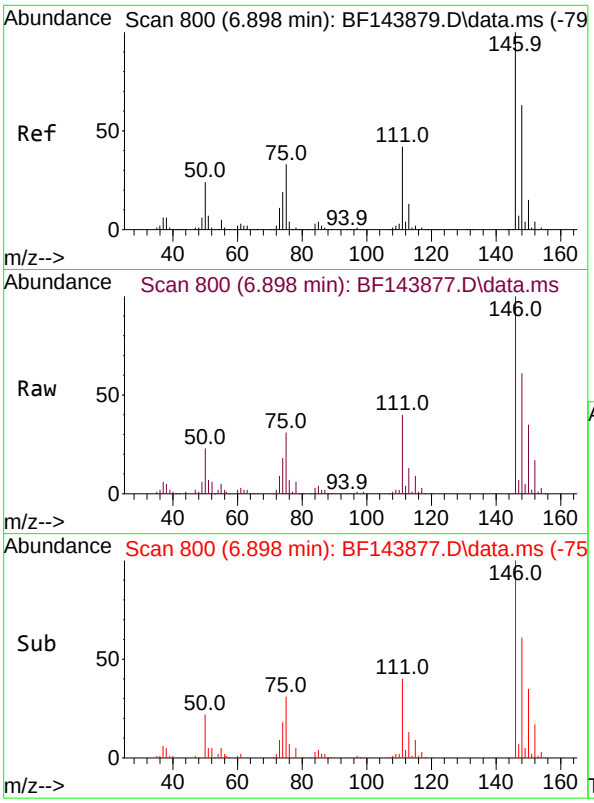


#12
1,3-Dichlorobenzene
Concen: 10.793 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 100630

Ion	Ratio	Lower	Upper
146	100		
148	59.3	51.0	76.4
75	30.4	24.9	37.3

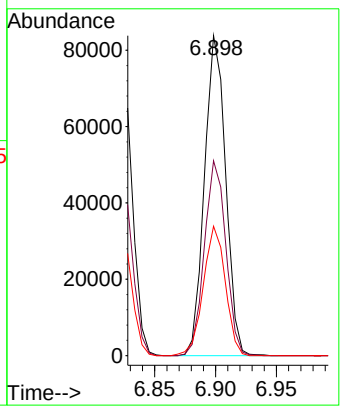




#13
1,4-Dichlorobenzene
Concen: 11.046 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 10158

Ion	Ratio	Lower	Upper
146	100		
148	60.9	50.5	75.7
111	40.4	33.4	50.0



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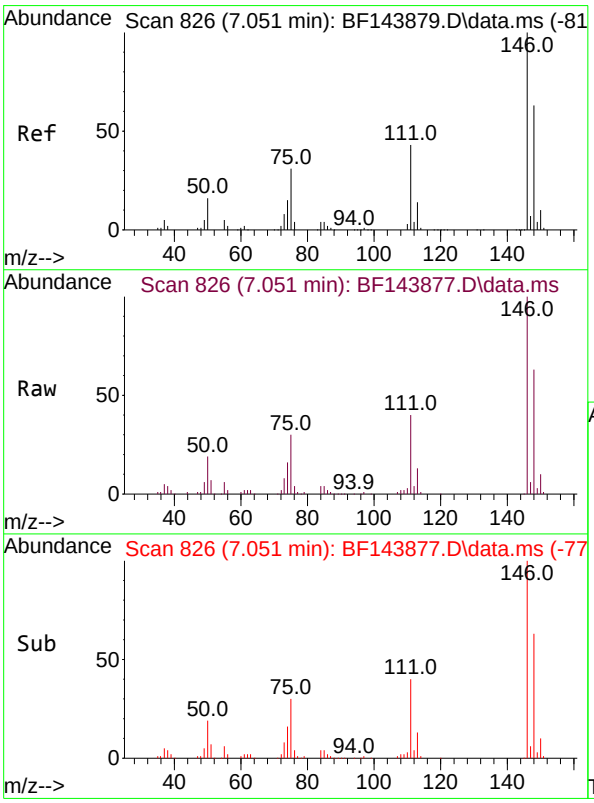
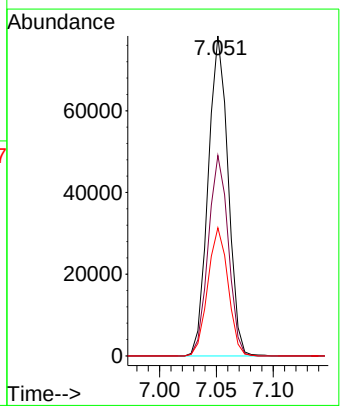
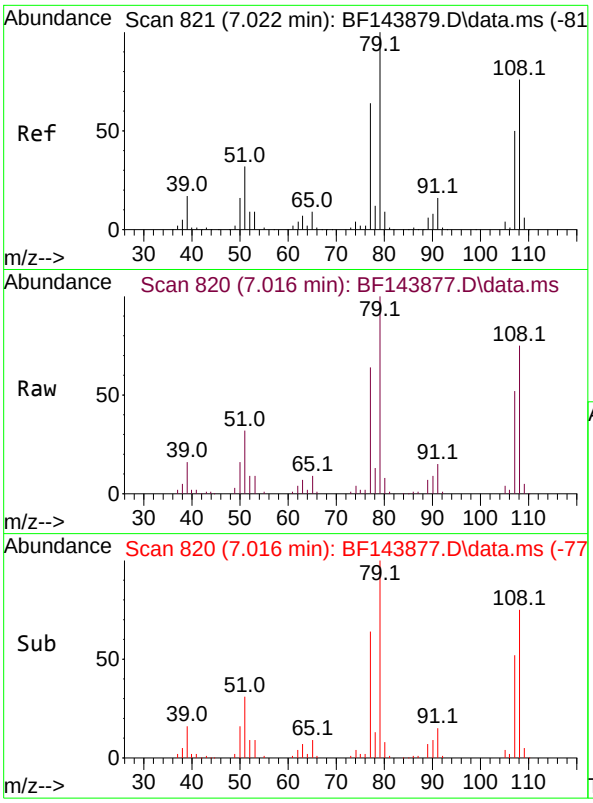


#14
1,2-Dichlorobenzene
Concen: 10.824 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 95345

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.6	75.8
111	40.0	34.6	51.8

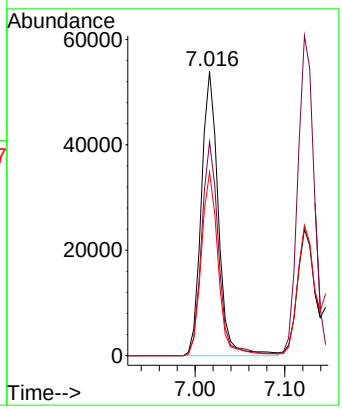




#15
Benzyl Alcohol
Concen: 9.943 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 79 Resp: 7075

Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.8	91.2
77	64.5	51.0	76.6



Instrument :
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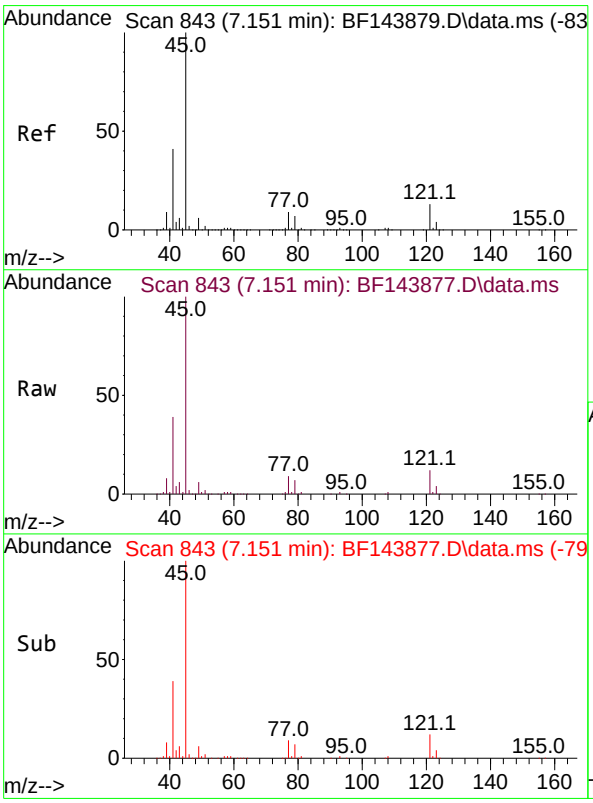
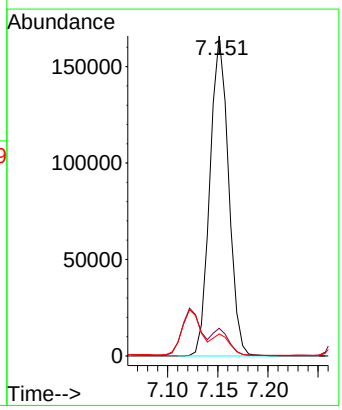
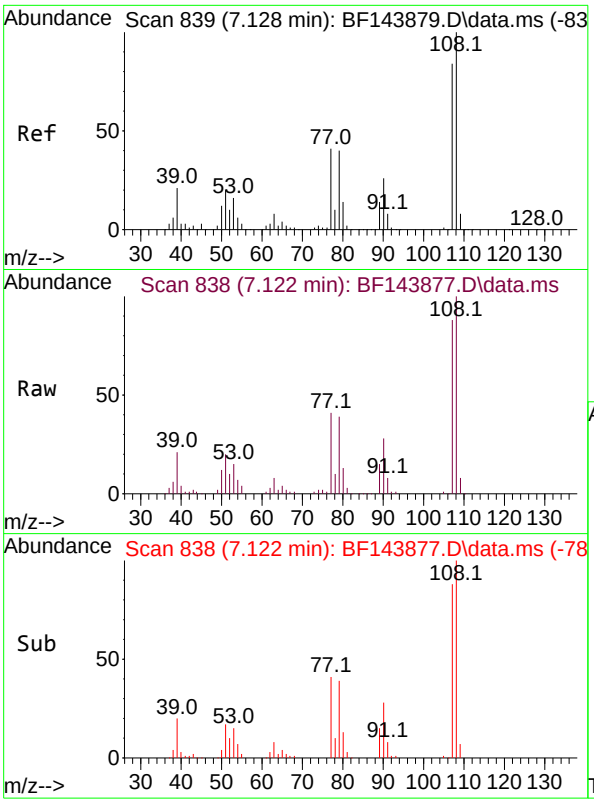


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.728 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 45 Resp: 214183

Ion	Ratio	Lower	Upper
45	100		
77	8.6	0.0	29.0
79	6.9	0.0	26.8

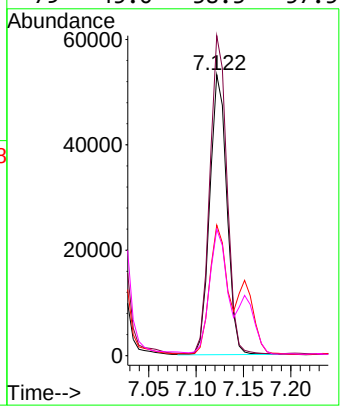




#17
2-Methylphenol
Concen: 10.389 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 6687

Ion	Ratio	Lower	Upper
107	100		
108	113.9	94.7	142.1
77	46.4	38.8	58.2
79	45.0	38.3	57.5



Instrument :
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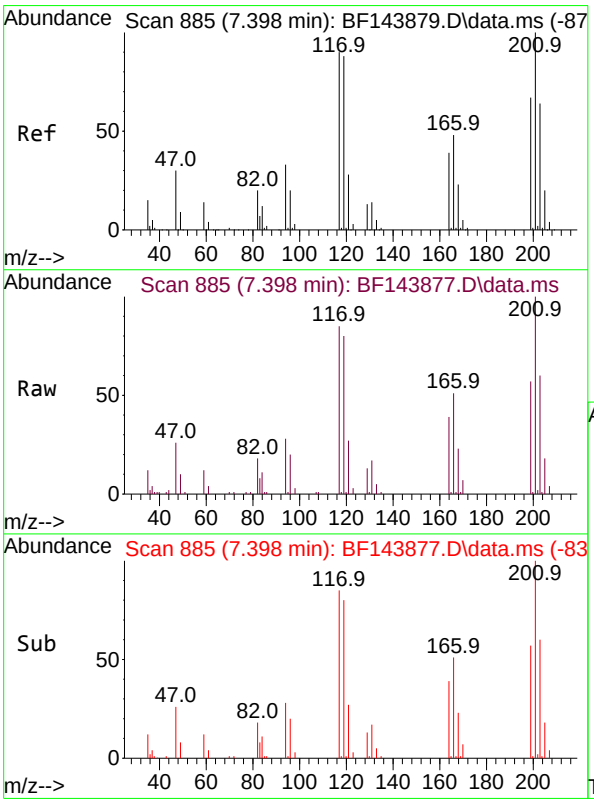
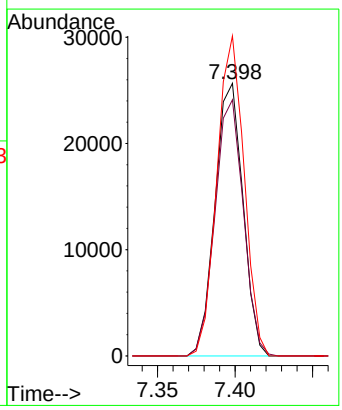
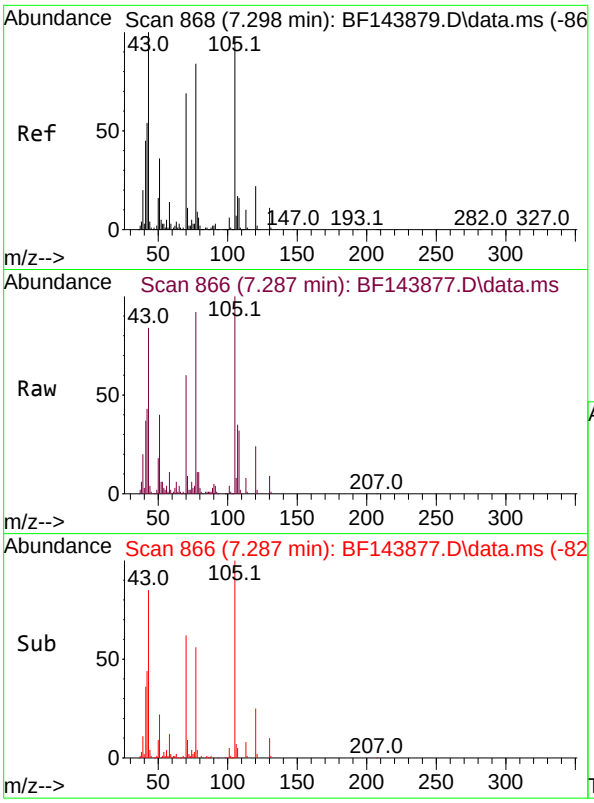


#18
Hexachloroethane
Concen: 10.486 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:117 Resp: 32160

Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.8	116.8
201	117.4	88.5	132.7

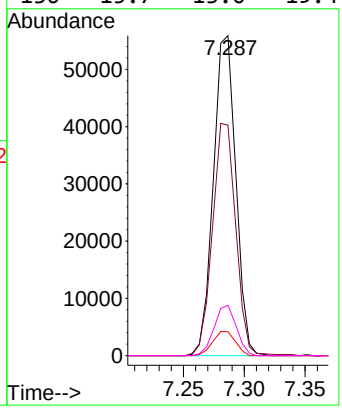




#19
n-Nitroso-di-n-propylamine
Concen: 11.034 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 70 Resp: 7173

Ion	Ratio	Lower	Upper
70	100		
42	72.0	62.8	94.2
101	7.5	6.7	10.1
130	15.7	13.0	19.4



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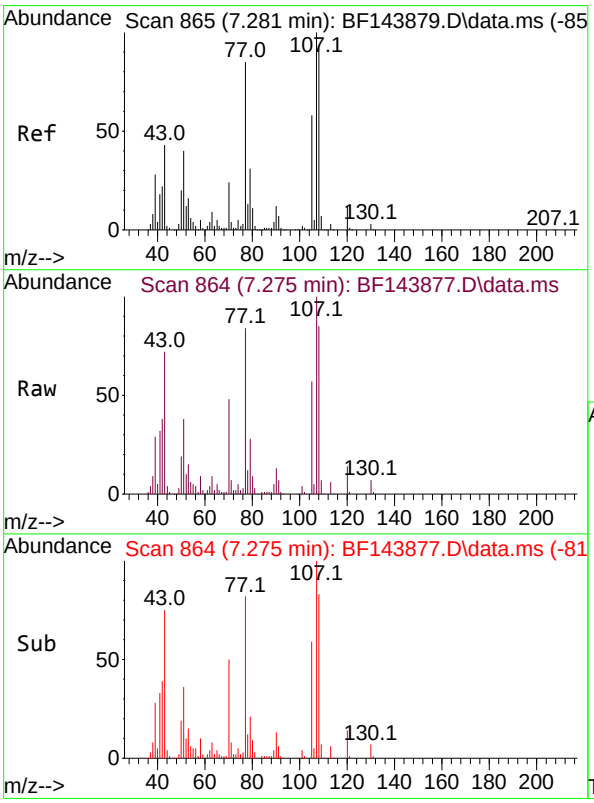
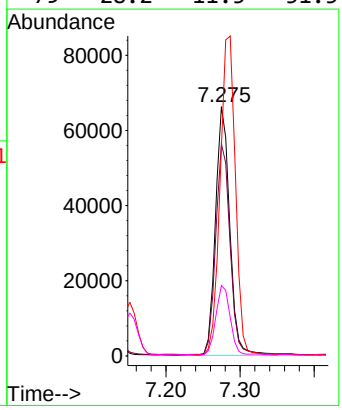
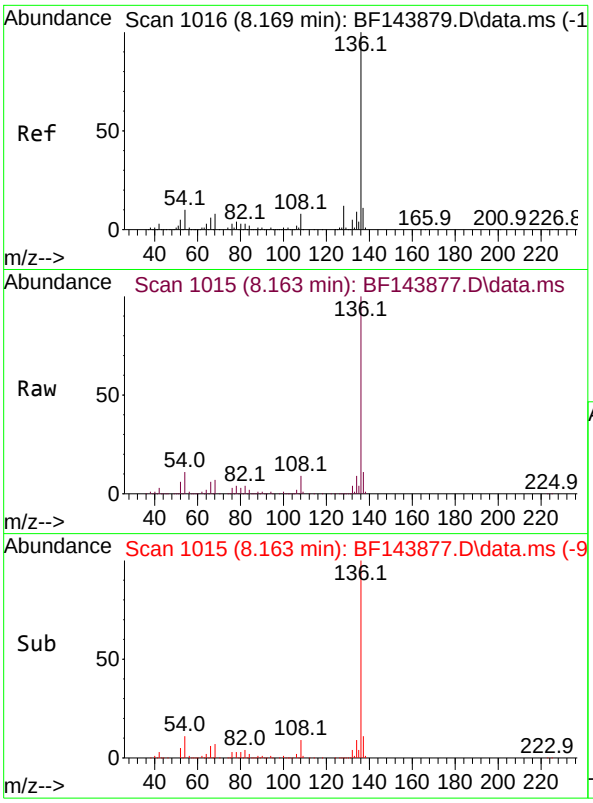


#20
3+4-Methylphenols
Concen: 11.881 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 88634

Ion	Ratio	Lower	Upper
107	100		
108	85.2	73.0	113.0
77	83.5	64.6	104.6
79	28.2	11.5	51.5

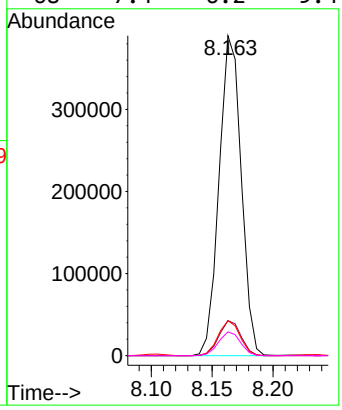




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:136 Resp: 49354

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.0	8.2	12.4
68	7.4	6.2	9.4



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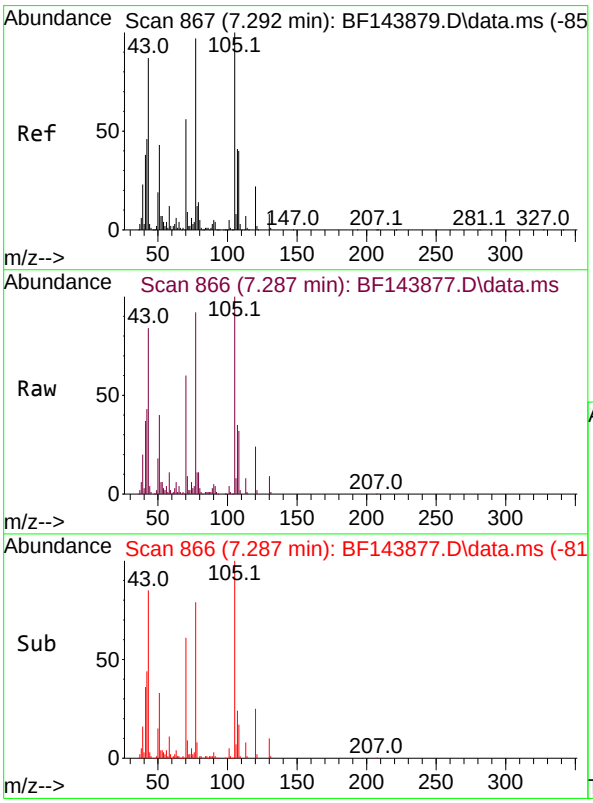
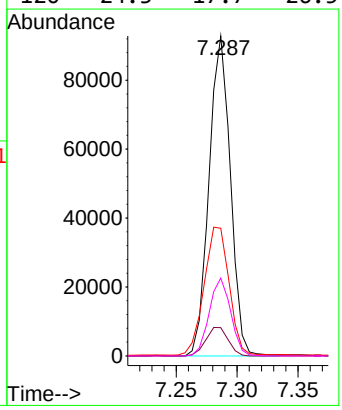
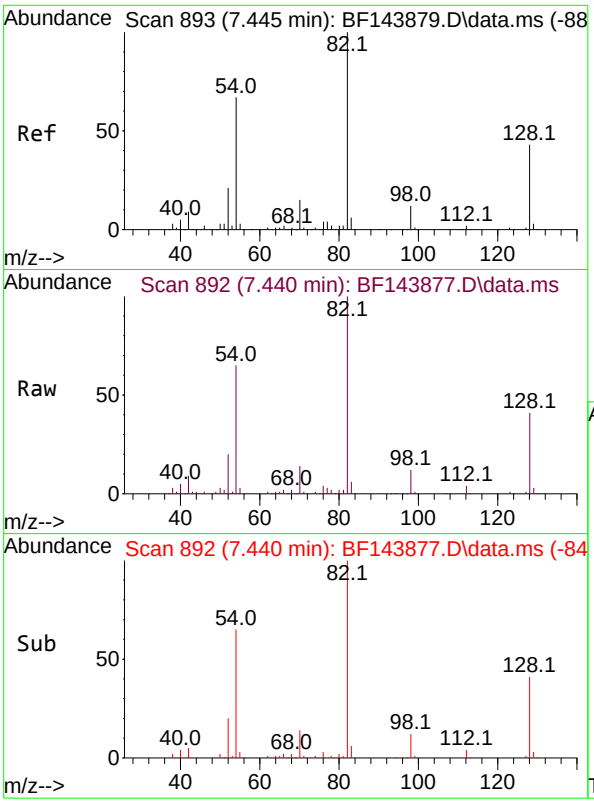


#22
Acetophenone
Concen: 10.900 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:105 Resp: 113751

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.4	11.0
51	39.9	34.2	51.4
120	24.3	17.7	26.5

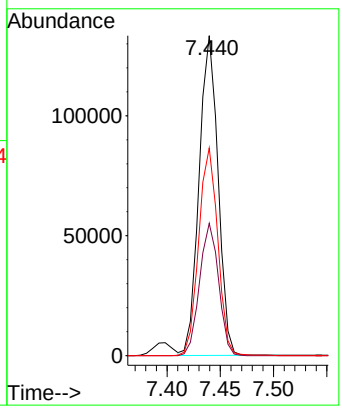




#23
Nitrobenzene-d5
Concen: 20.204 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 82 Resp: 16412

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	64.9	53.2	79.8



Instrument :
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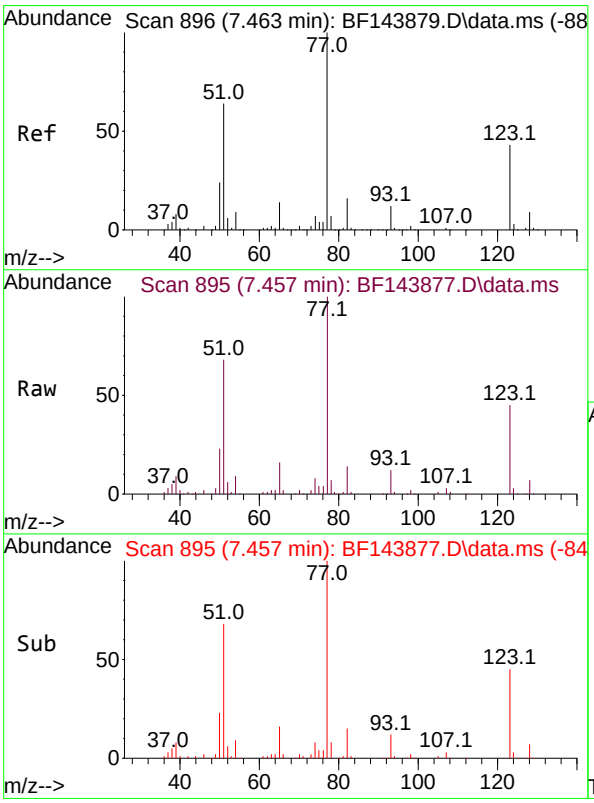
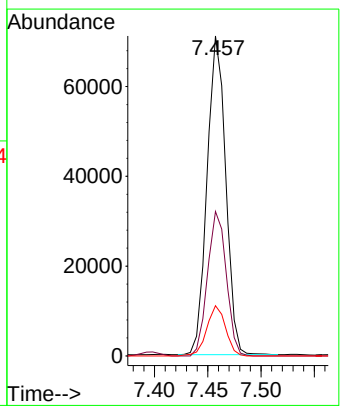
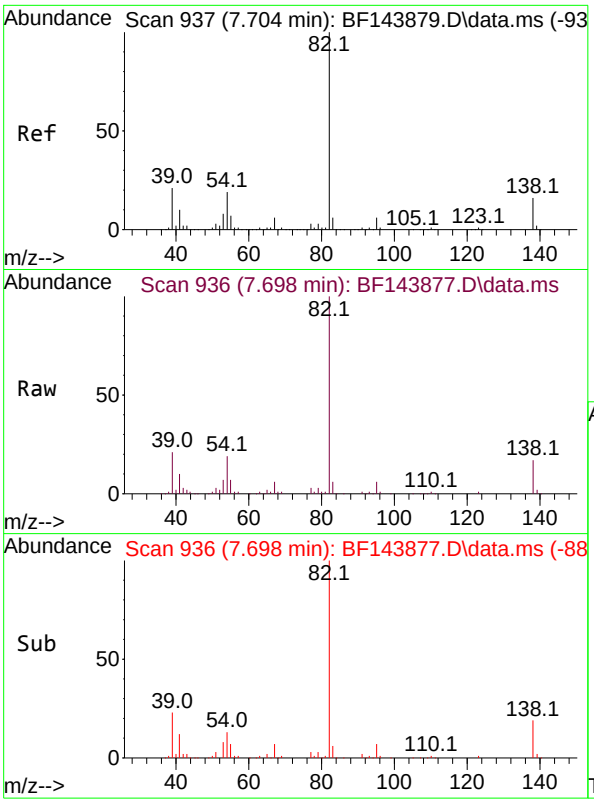


#24
Nitrobenzene
Concen: 9.558 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 86228

Ion	Ratio	Lower	Upper
77	100		
123	45.1	34.2	51.4
65	15.7	11.0	16.6

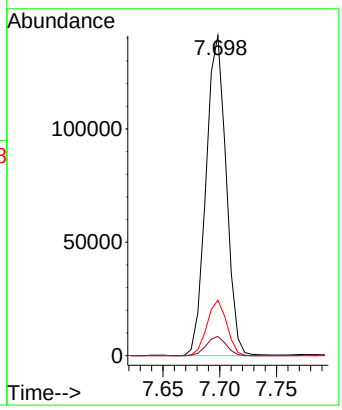




#25
Isophorone
Concen: 10.203 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 82 Resp: 17476

Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	17.3	12.9	19.3



Instrument :
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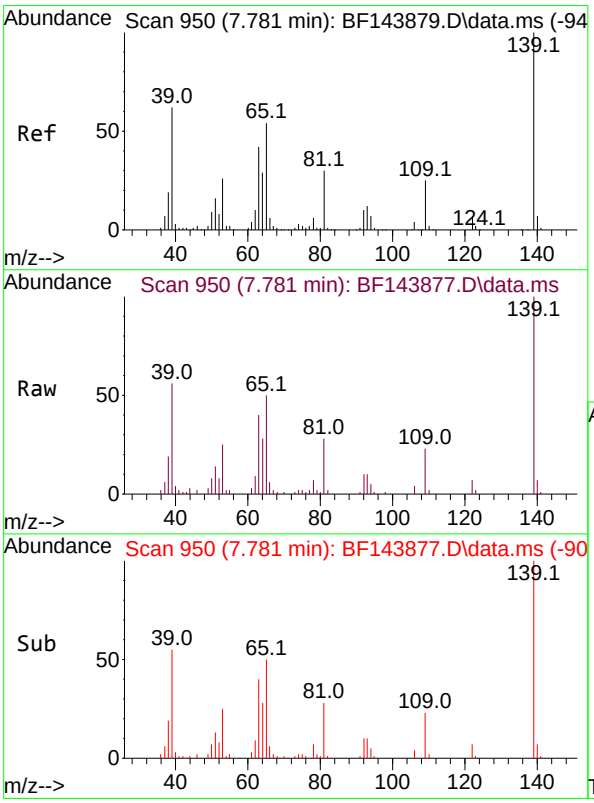
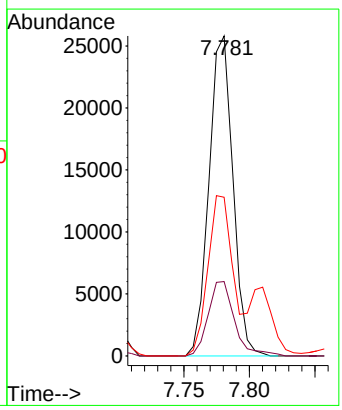
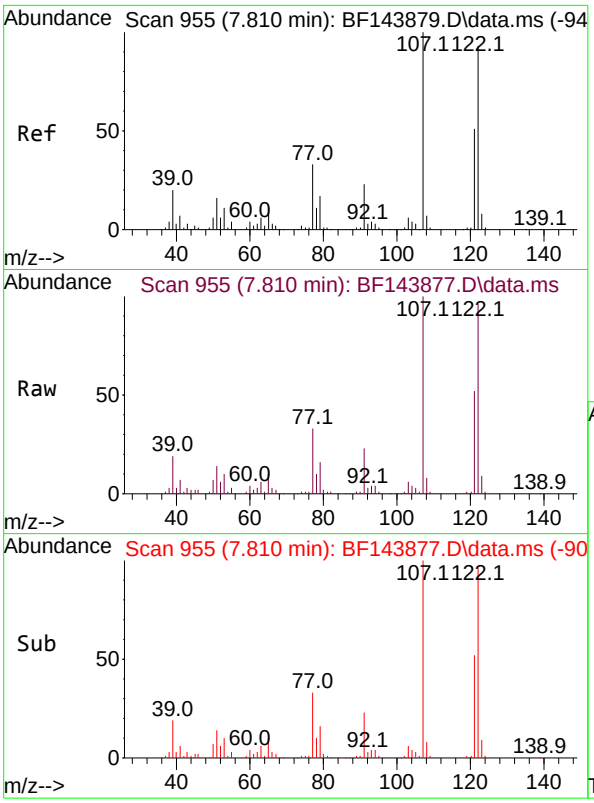


#26
2-Nitrophenol
Concen: 8.477 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:139 Resp: 32787

Ion	Ratio	Lower	Upper
139	100		
109	23.2	19.8	29.6
65	49.6	42.9	64.3

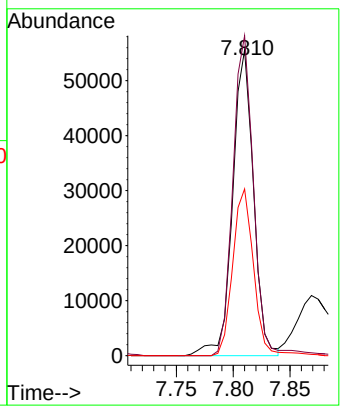




#27
2,4-Dimethylphenol
Concen: 10.199 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:122 Resp: 7096

Ion	Ratio	Lower	Upper
122	100		
107	104.7	86.1	129.1
121	54.5	43.8	65.6



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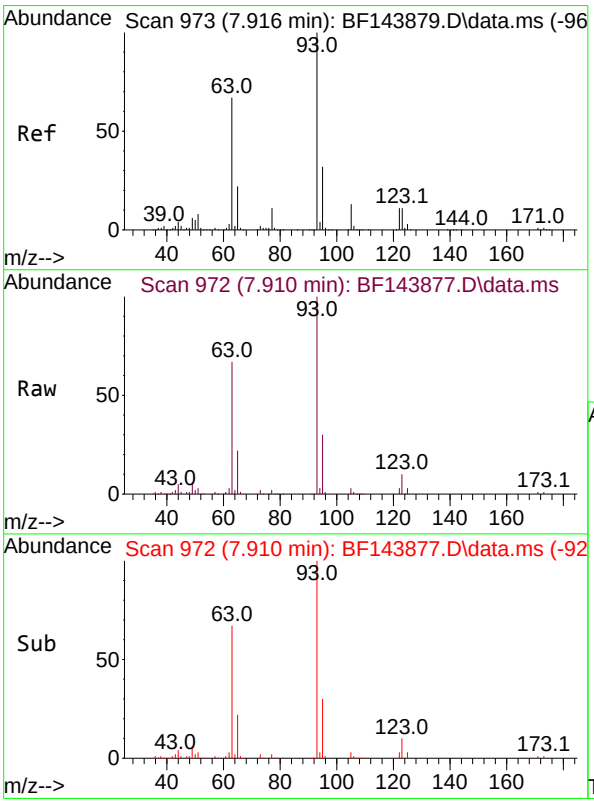
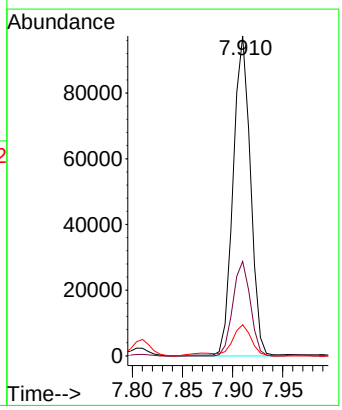
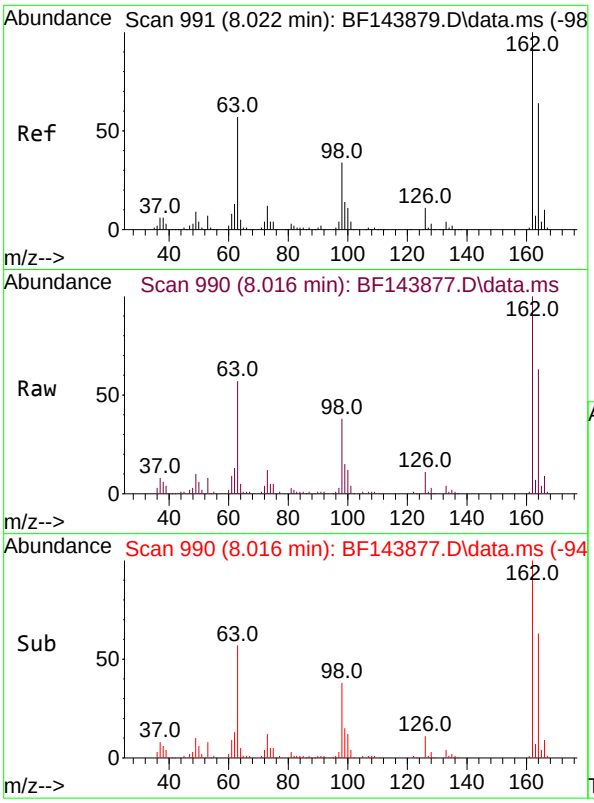


#28
bis(2-Chloroethoxy)methane
Concen: 10.804 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 116898

Ion	Ratio	Lower	Upper
93	100		
95	29.5	25.9	38.9
123	9.7	9.4	14.0

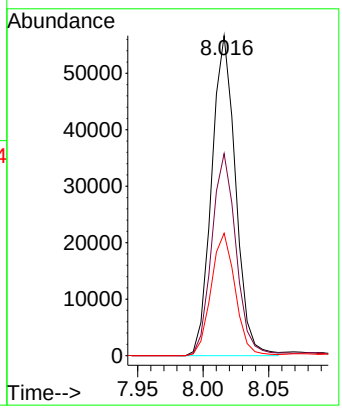




#29
2,4-Dichlorophenol
Concen: 9.954 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:162 Resp: 7214

Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.9	83.9
98	38.2	14.4	54.4



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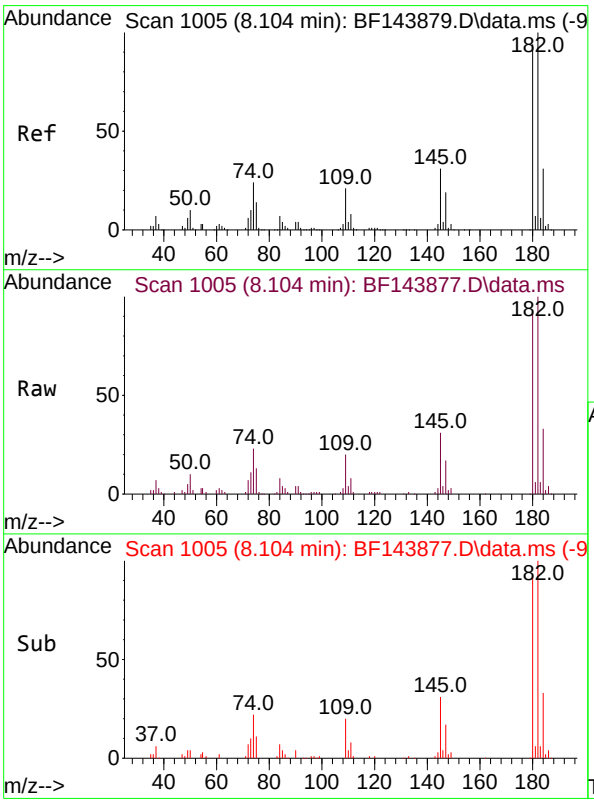
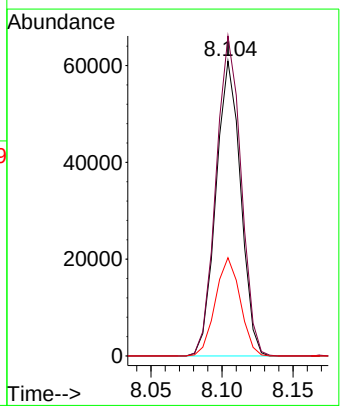
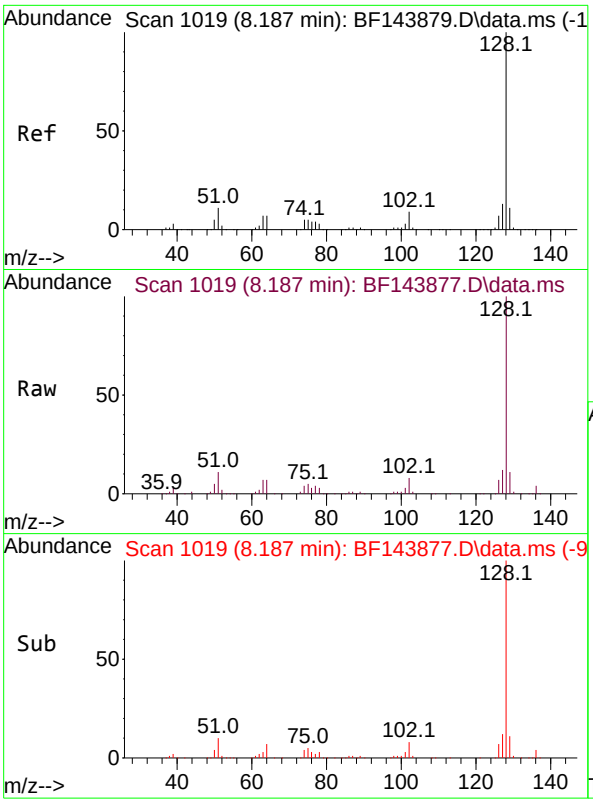


#30
1,2,4-Trichlorobenzene
Concen: 10.336 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:180 Resp: 73668

Ion	Ratio	Lower	Upper
180	100		
182	108.6	85.4	128.0
145	33.3	26.3	39.5

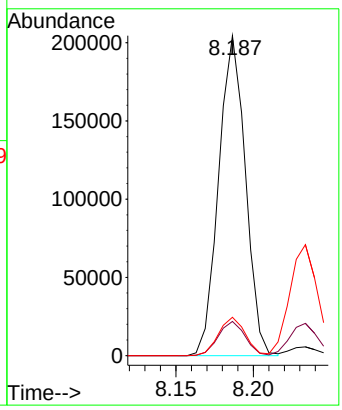




#31
Naphthalene
Concen: 10.951 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:128 Resp: 24585

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.0	10.0	15.0



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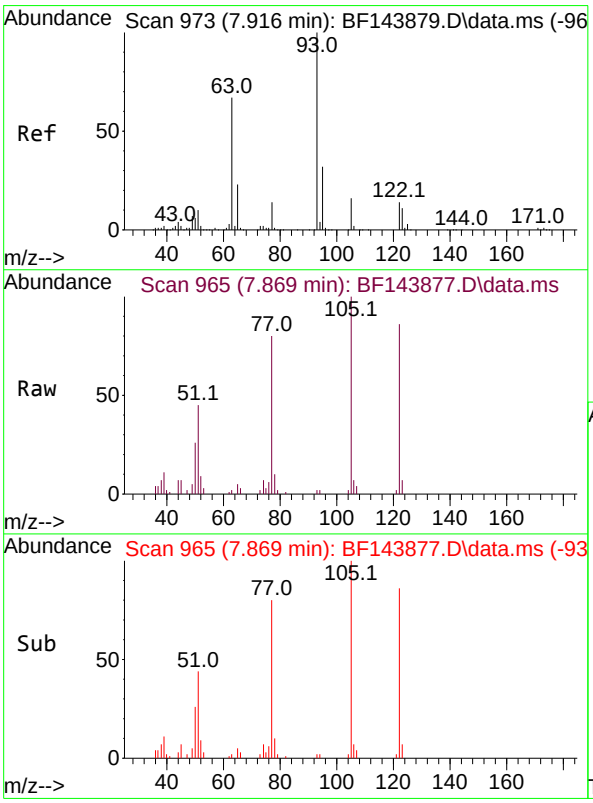
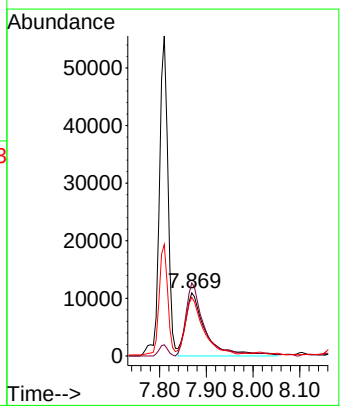
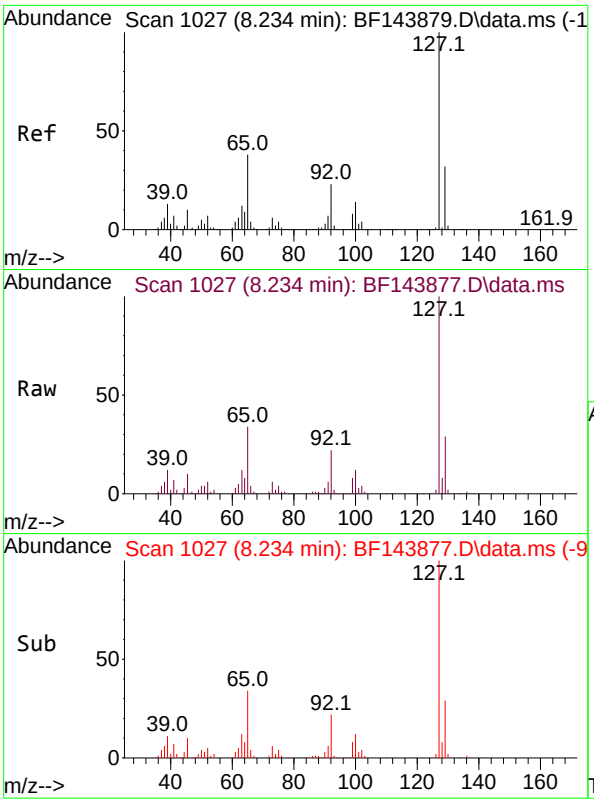


#32
Benzoic acid
Concen: 6.721 ng m
RT: 7.869 min Scan# 965
Delta R.T. -0.094 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:122 Resp: 32361

Ion	Ratio	Lower	Upper
122	100		
105	115.7	93.5	133.5
77	92.9	76.3	116.3

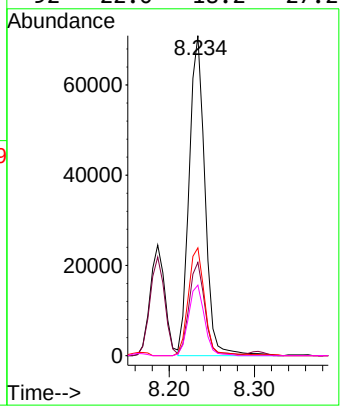




#33
4-Chloroaniline
Concen: 10.842 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:127 Resp: 91294

Ion	Ratio	Lower	Upper
127	100		
129	29.1	25.8	38.8
65	33.7	30.0	45.0
92	22.0	18.2	27.2



Instrument :
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ClientSampleId :
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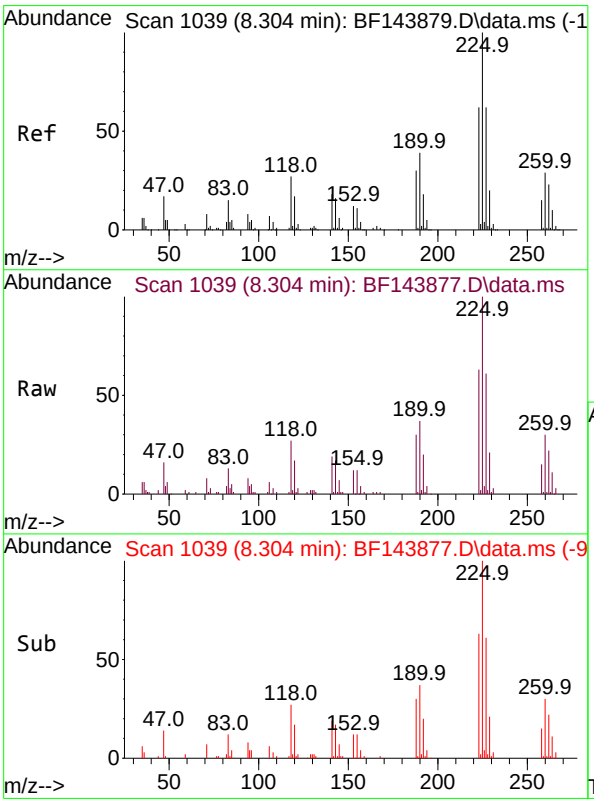
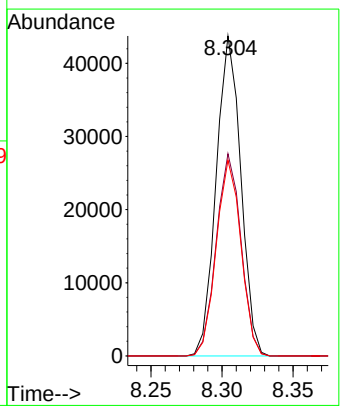
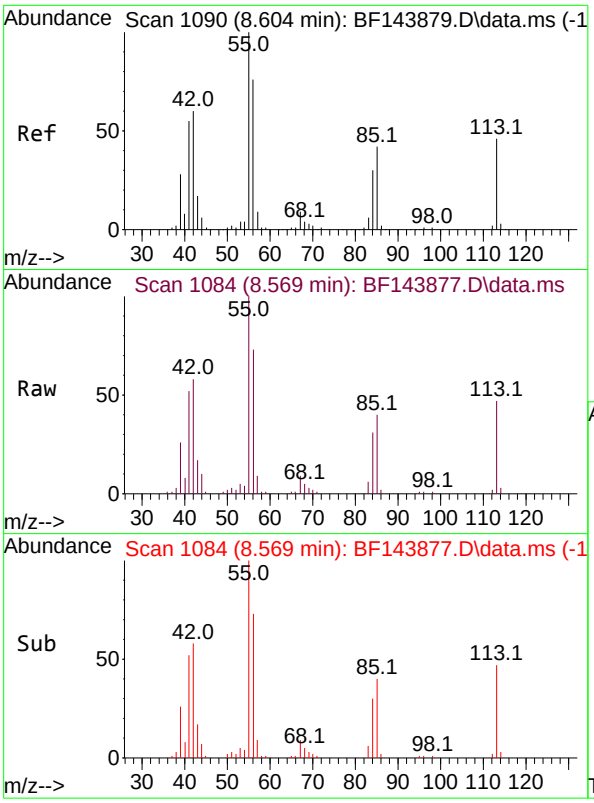


#34
Hexachlorobutadiene
Concen: 10.665 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:225 Resp: 52824

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.4	74.2
227	61.1	49.7	74.5

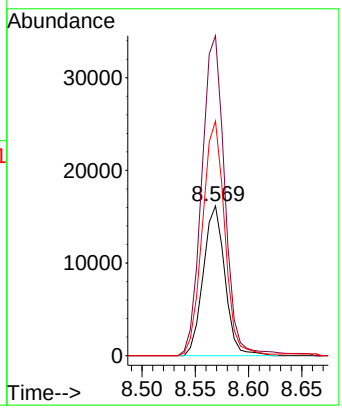




#35
Caprolactam
Concen: 9.900 ng
RT: 8.569 min Scan# 10
Delta R.T. -0.076 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:113 Resp: 2281

Ion	Ratio	Lower	Upper
113	100		
55	213.8	199.6	239.6
56	156.7	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
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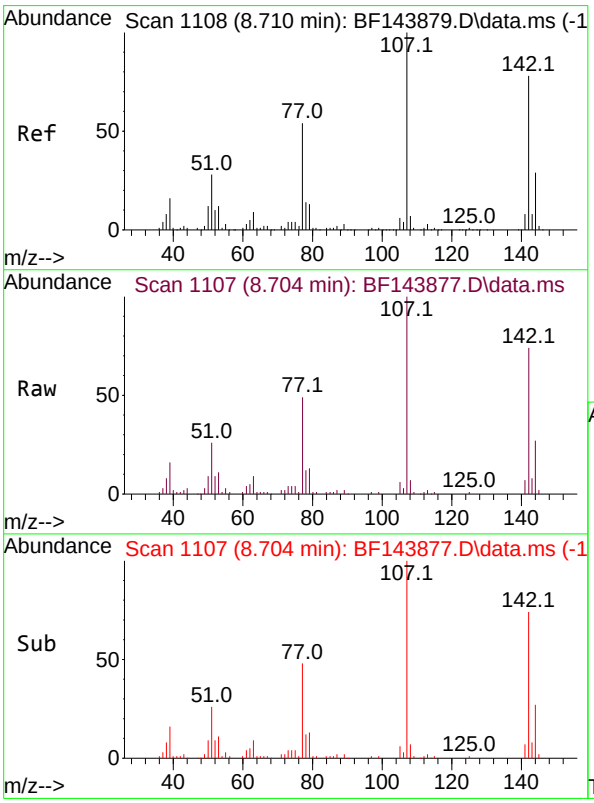
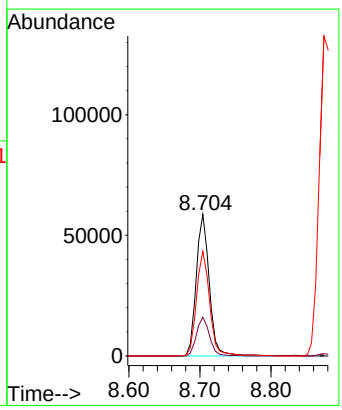
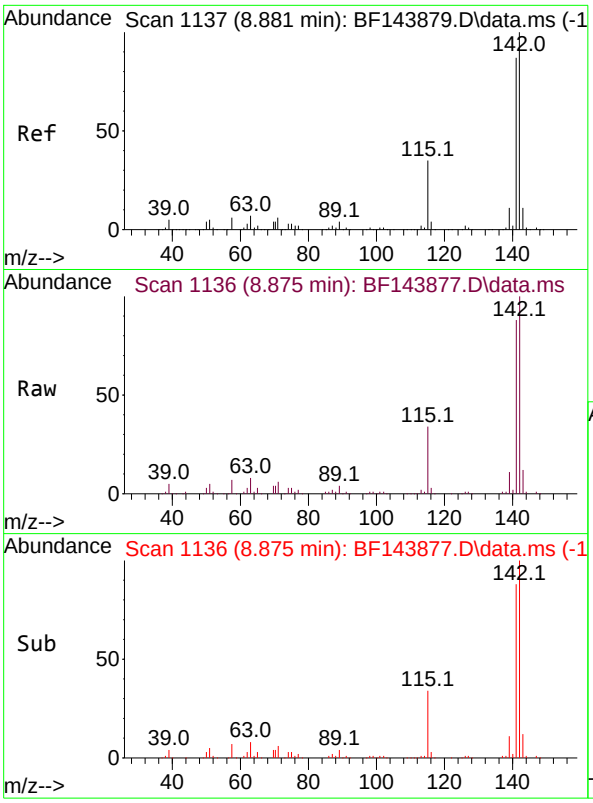


#36
4-Chloro-3-methylphenol
Concen: 10.708 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 74546

Ion	Ratio	Lower	Upper
107	100		
144	27.3	23.1	34.7
142	74.0	62.6	94.0

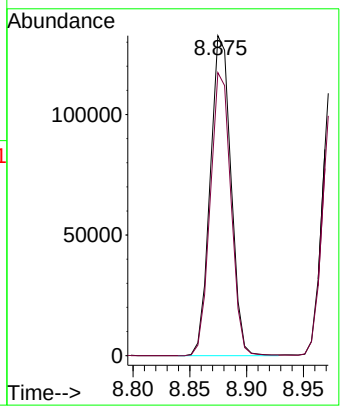




#37
2-Methylnaphthalene
Concen: 11.272 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:142 Resp: 16858

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.2	103.8



Instrument :
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ClientSampleId :
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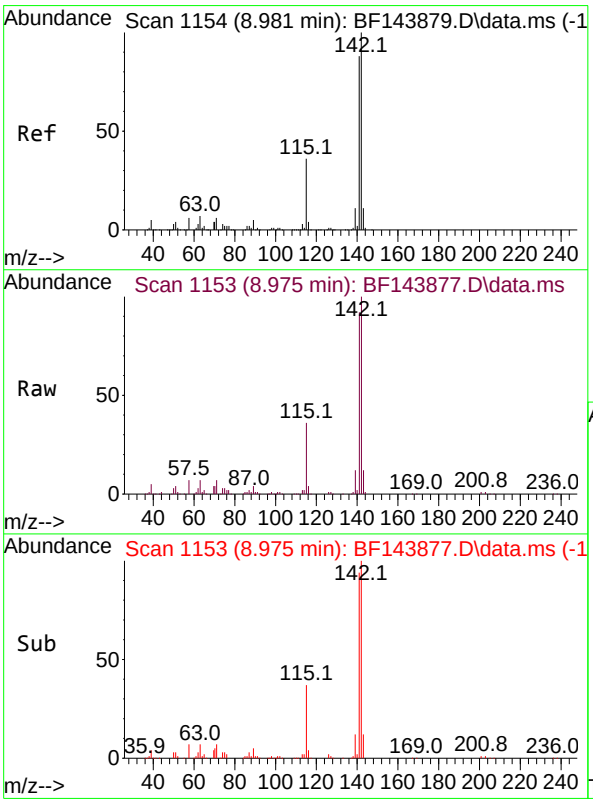
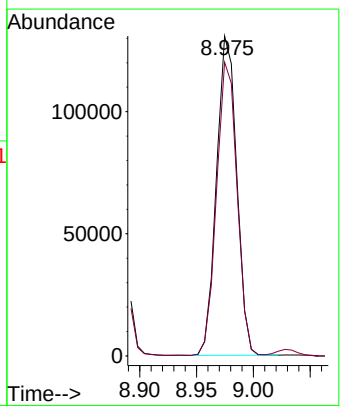
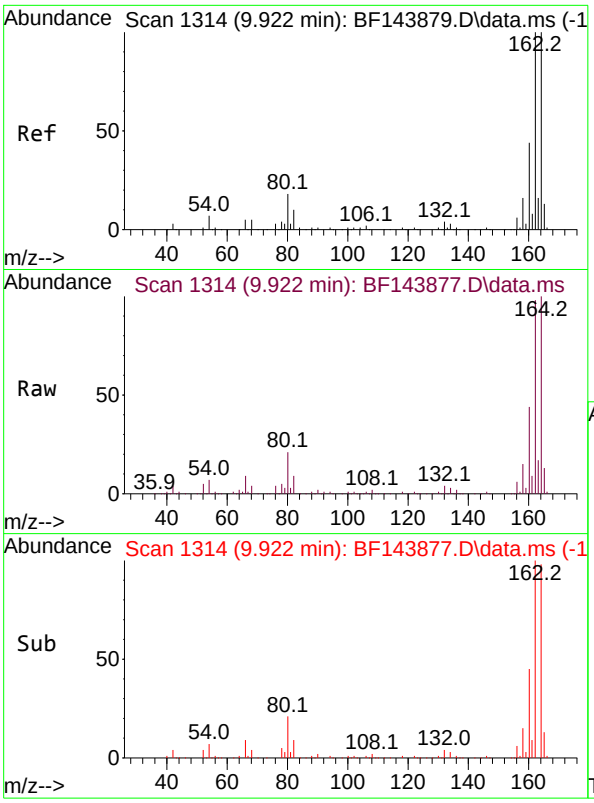


#38
1-Methylnaphthalene
Concen: 11.160 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:142 Resp: 161895

Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.8	106.2

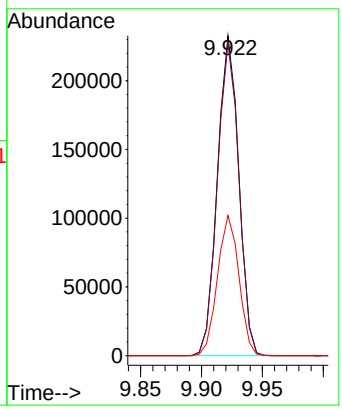




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:164 Resp: 28382

Ion	Ratio	Lower	Upper
164	100		
162	97.5	80.2	120.2
160	43.8	35.4	53.0



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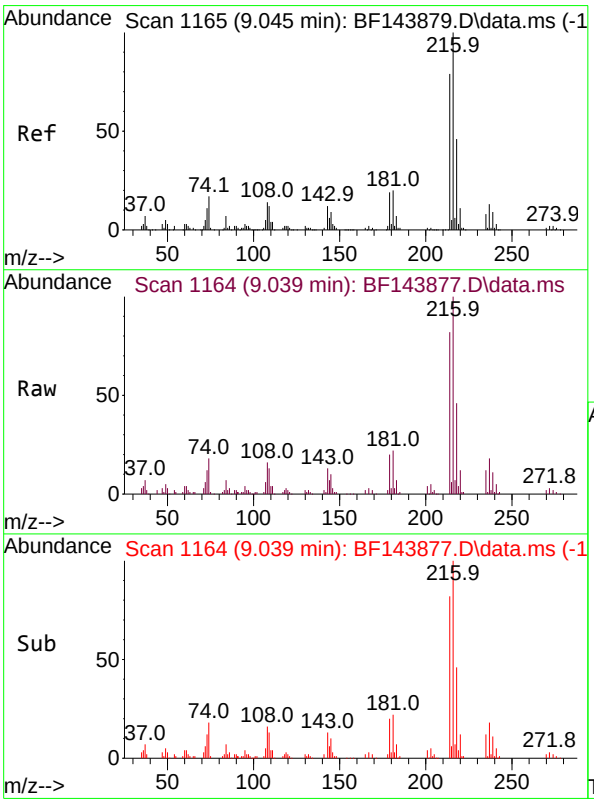
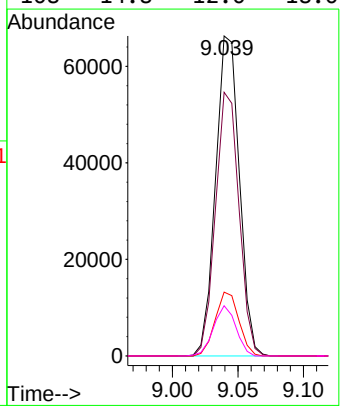
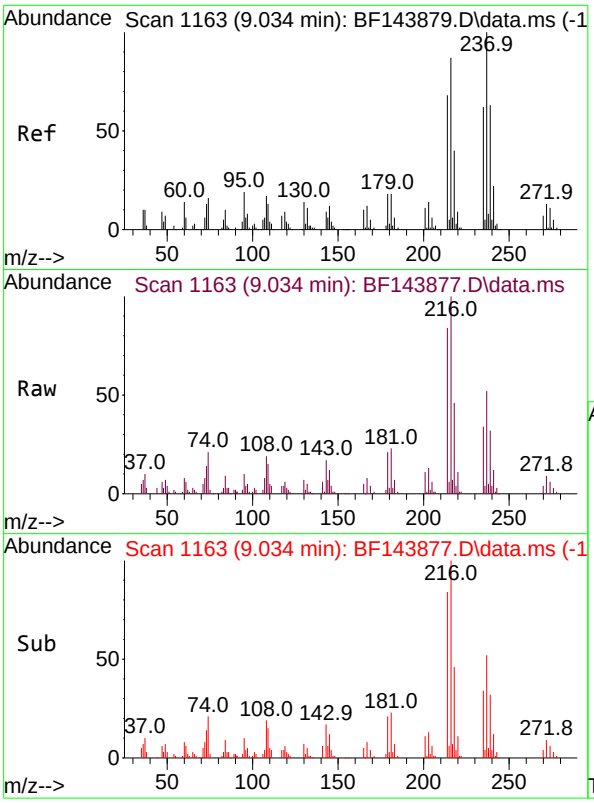


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.705 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:216 Resp: 83972

Ion	Ratio	Lower	Upper
216	100		
214	81.4	62.6	94.0
179	19.8	15.4	23.0
108	14.8	12.0	18.0

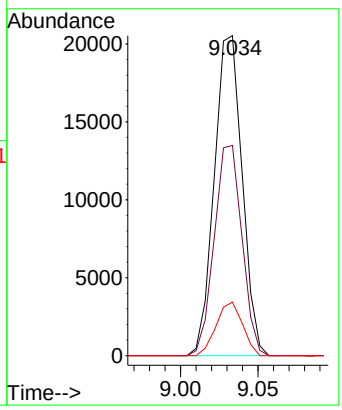




#41
Hexachlorocyclopentadiene
Concen: 7.932 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:237 Resp: 2581

Ion	Ratio	Lower	Upper
237	100		
235	65.7	42.3	82.3
272	16.7	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
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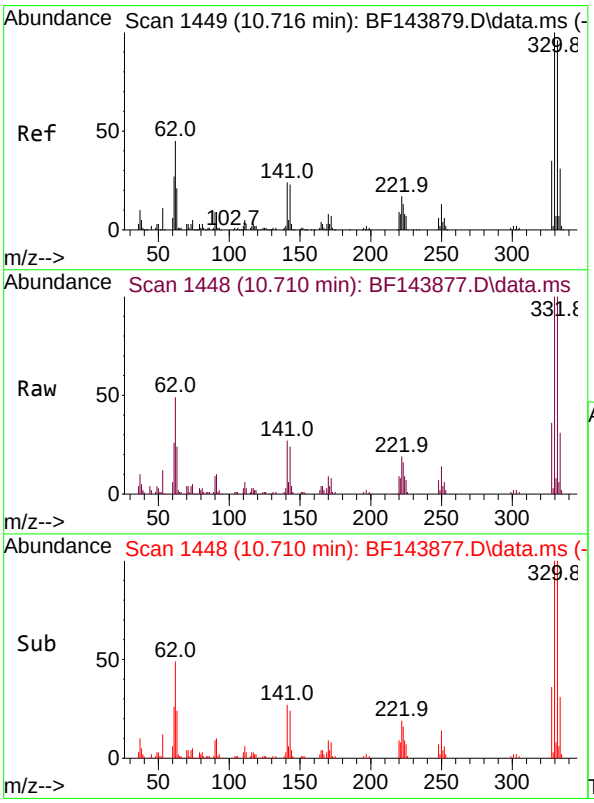
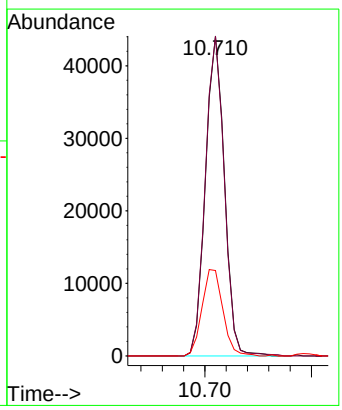
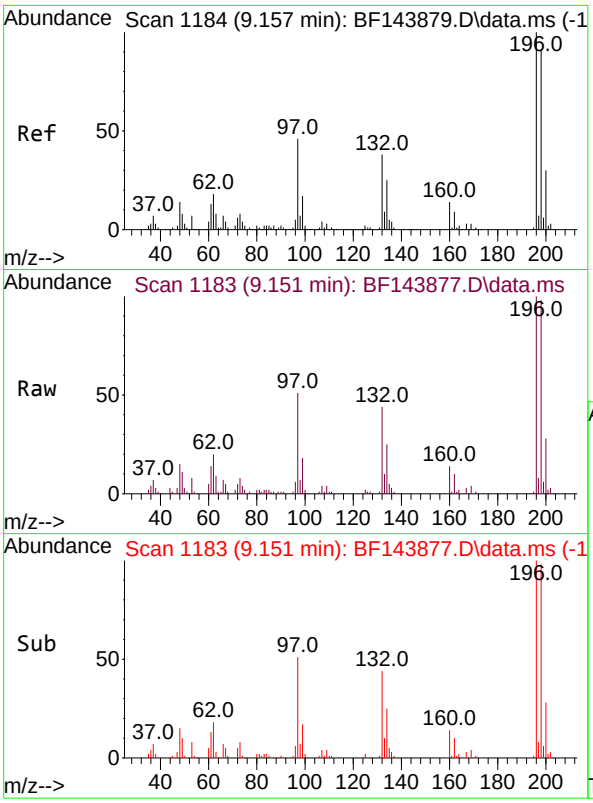


#42
2,4,6-Tribromophenol
Concen: 19.262 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:330 Resp: 54453

Ion	Ratio	Lower	Upper
330	100		
332	100.2	76.9	115.3
141	29.7	20.2	30.4

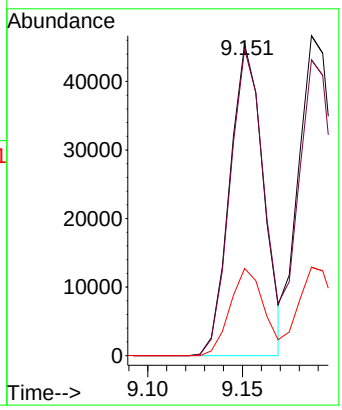




#43
2,4,6-Trichlorophenol
Concen: 9.758 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:196 Resp: 5592

Ion	Ratio	Lower	Upper
196	100		
198	98.4	72.8	109.2
200	28.0	24.0	36.0



Instrument :
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ClientSampleId :
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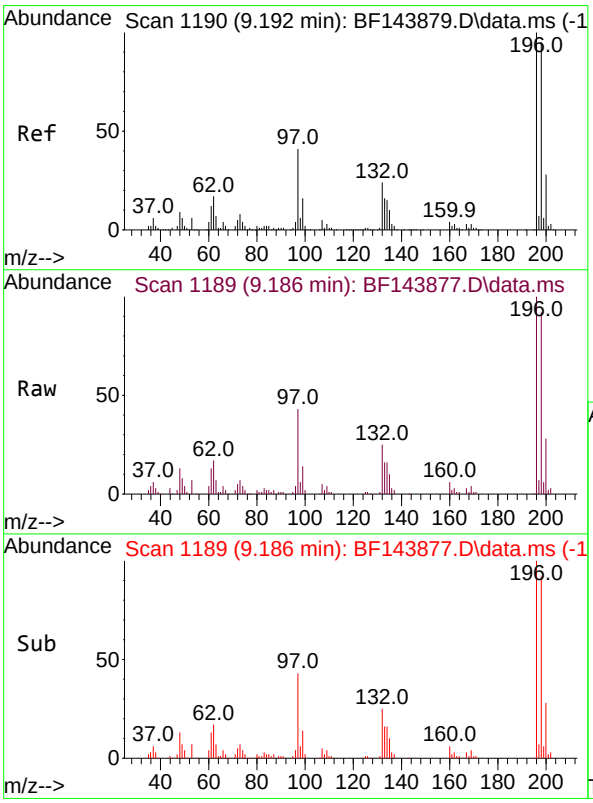
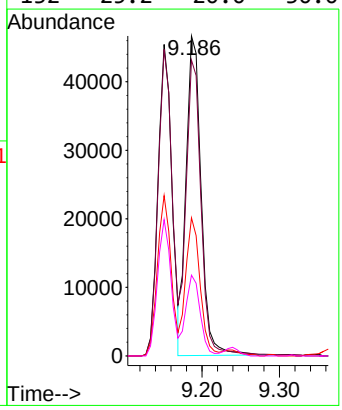
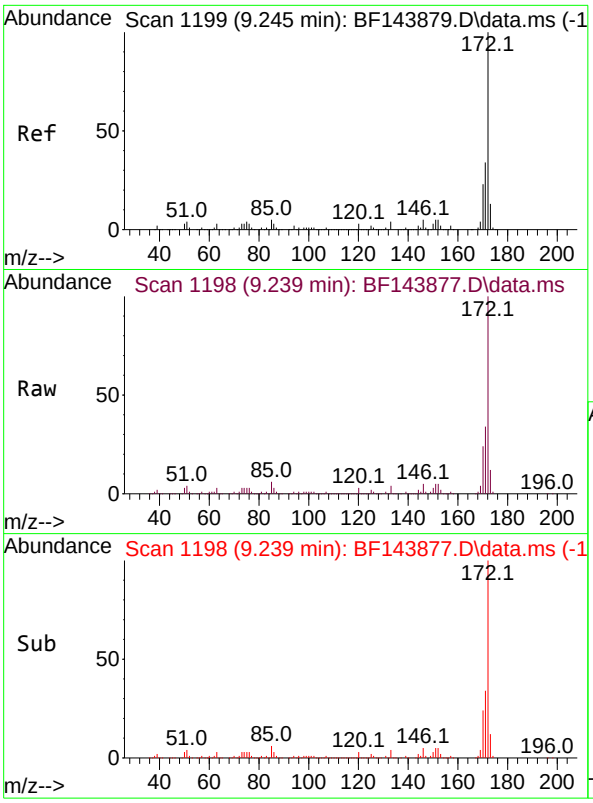


#44
2,4,5-Trichlorophenol
Concen: 10.407 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:196 Resp: 63036

Ion	Ratio	Lower	Upper
196	100		
198	92.4	75.5	113.3
97	43.1	33.9	50.9
132	25.2	20.0	30.0

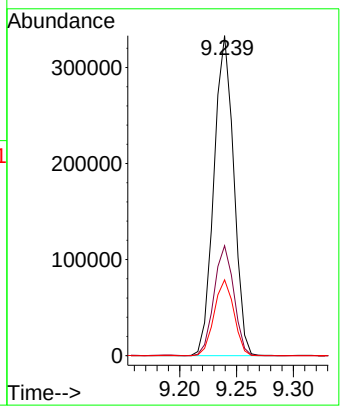




#45
2-Fluorobiphenyl
Concen: 22.595 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:172 Resp: 40416

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.7	18.6	28.0



Instrument :
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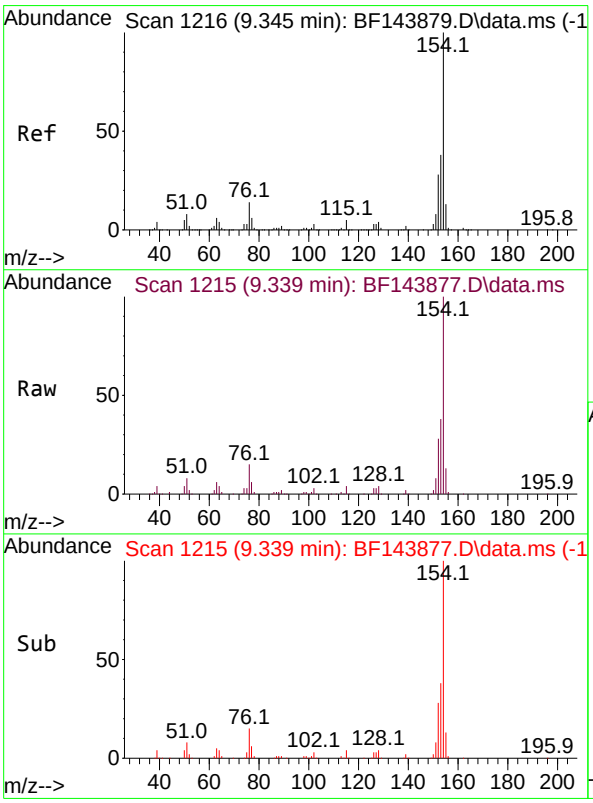
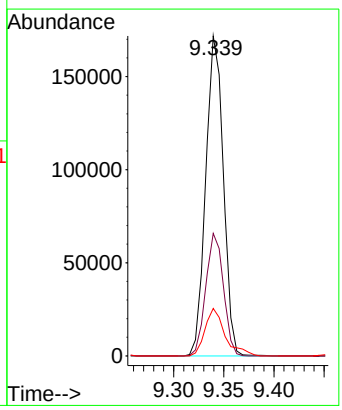
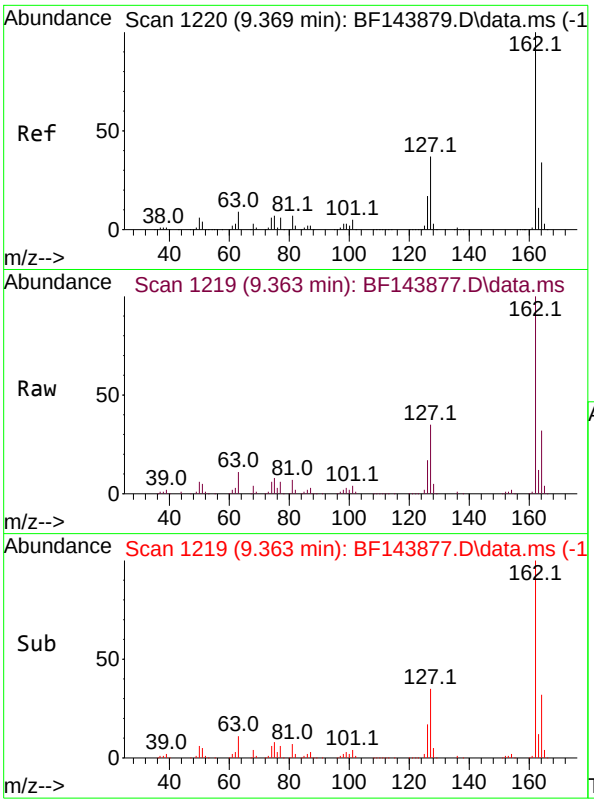


#46
1,1'-Biphenyl
Concen: 11.150 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:154 Resp: 209528

Ion	Ratio	Lower	Upper
154	100		
153	38.3	18.4	58.4
76	14.8	0.0	34.0

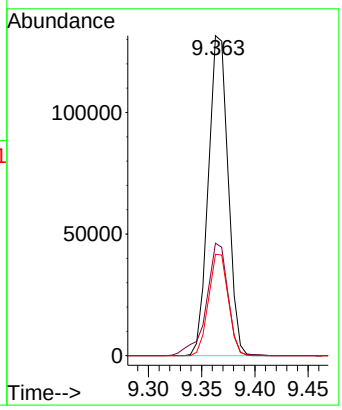




#47
2-Chloronaphthalene
Concen: 10.829 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:162 Resp: 16967

Ion	Ratio	Lower	Upper
162	100		
127	35.1	30.2	45.2
164	31.7	26.9	40.3



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ClientSampleId :
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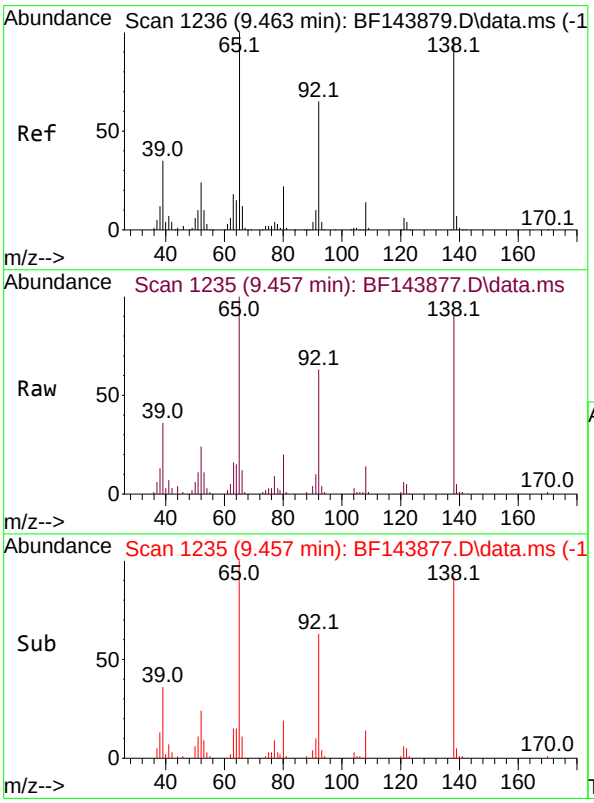
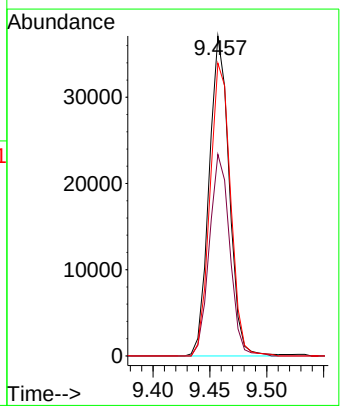
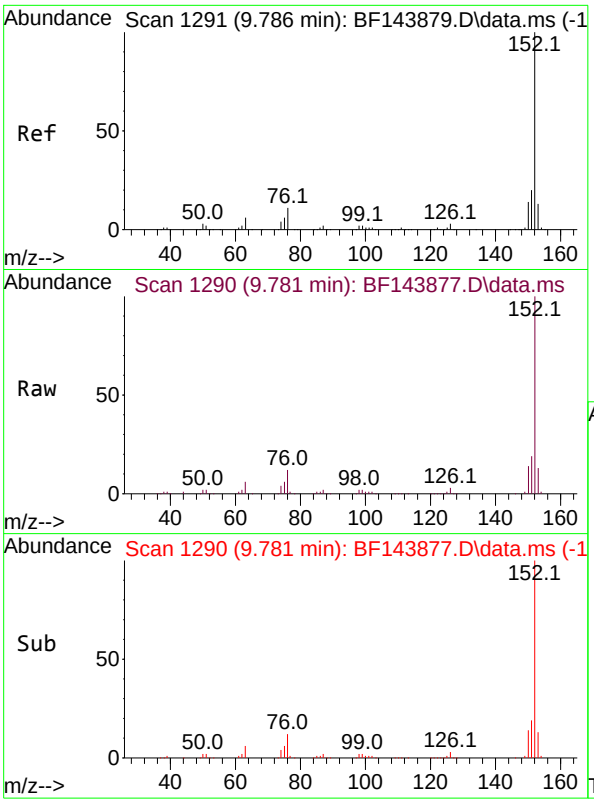


#48
2-Nitroaniline
Concen: 9.219 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 65 Resp: 45663

Ion	Ratio	Lower	Upper
65	100		
92	63.0	52.1	78.1
138	91.5	77.4	116.2

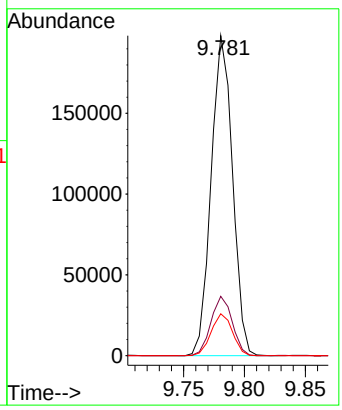




#49
Acenaphthylene
Concen: 10.962 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:152 Resp: 24145

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.8	23.6
153	13.1	10.5	15.7



Instrument :
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ClientSampleId :
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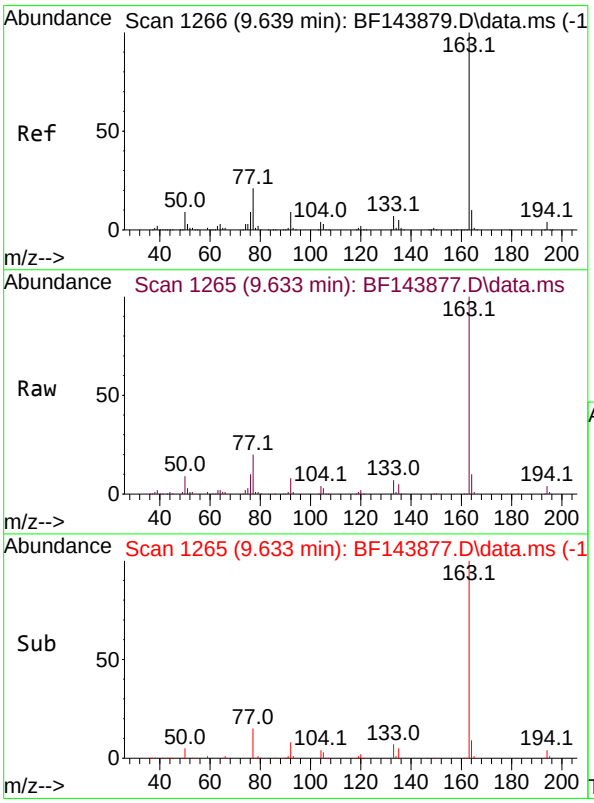
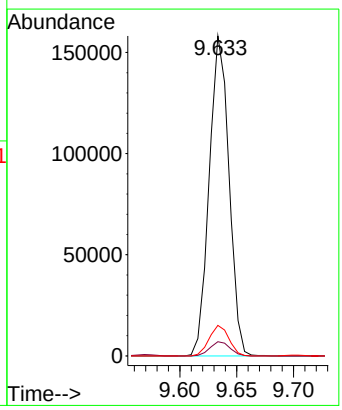
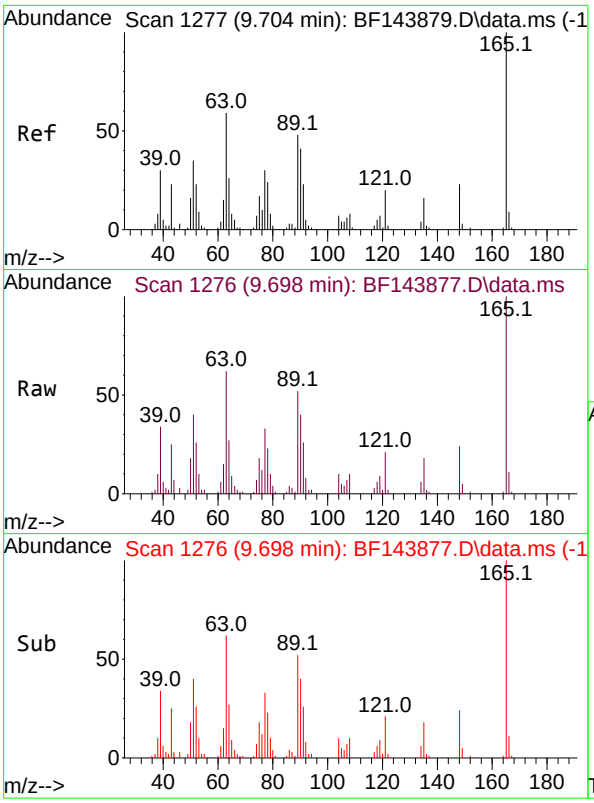


#50
Dimethylphthalate
Concen: 10.638 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:163 Resp: 191729

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.5	8.1	12.1

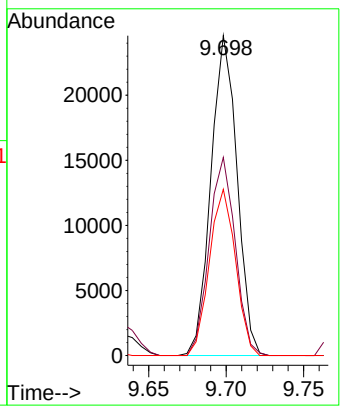




#51
2,6-Dinitrotoluene
Concen: 8.655 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:165 Resp: 2892

Ion	Ratio	Lower	Upper
165	100		
63	61.9	47.3	70.9
89	52.0	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
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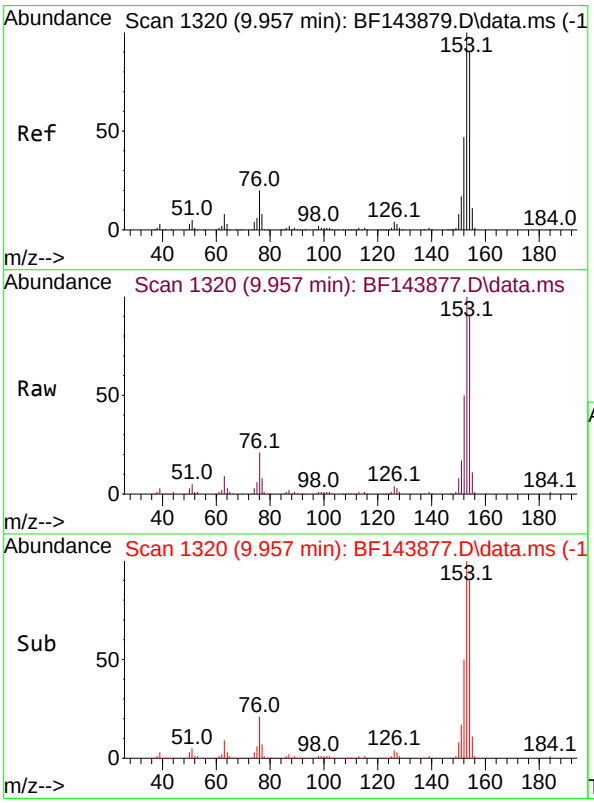
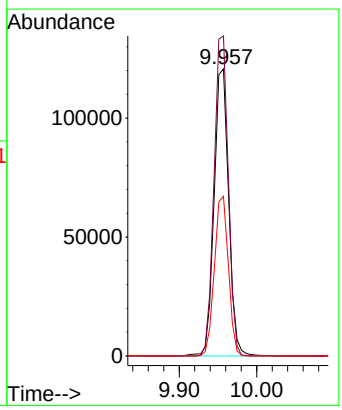
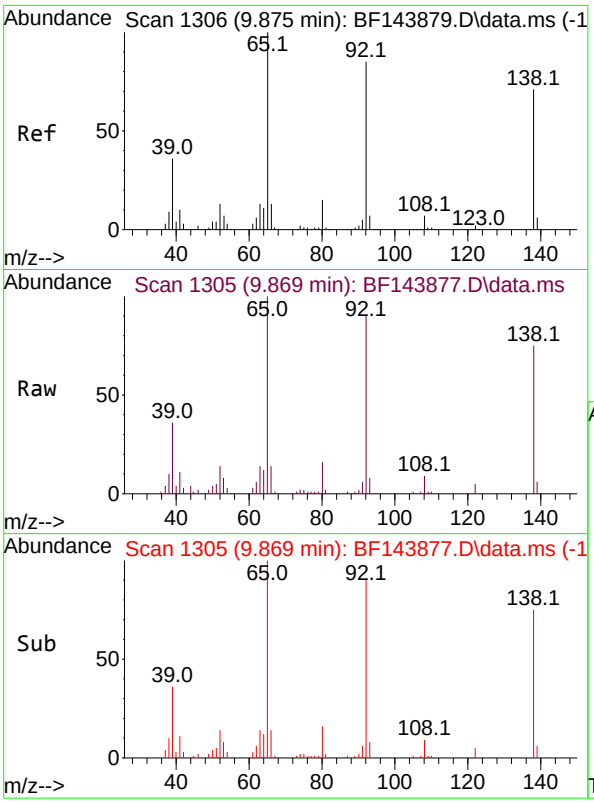


#52
Acenaphthene
Concen: 10.962 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:154 Resp: 158214

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	55.6	42.2	63.2

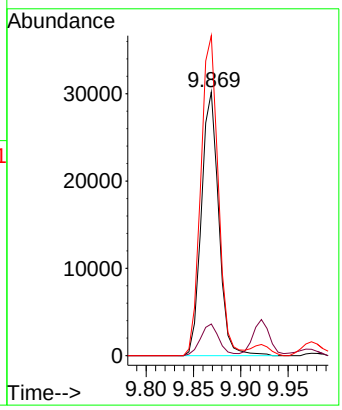




#53
3-Nitroaniline
Concen: 9.380 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:138 Resp: 3838

Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.3	12.5
92	121.4	96.2	144.2



Instrument :
BNA_F
ClientSampleId :
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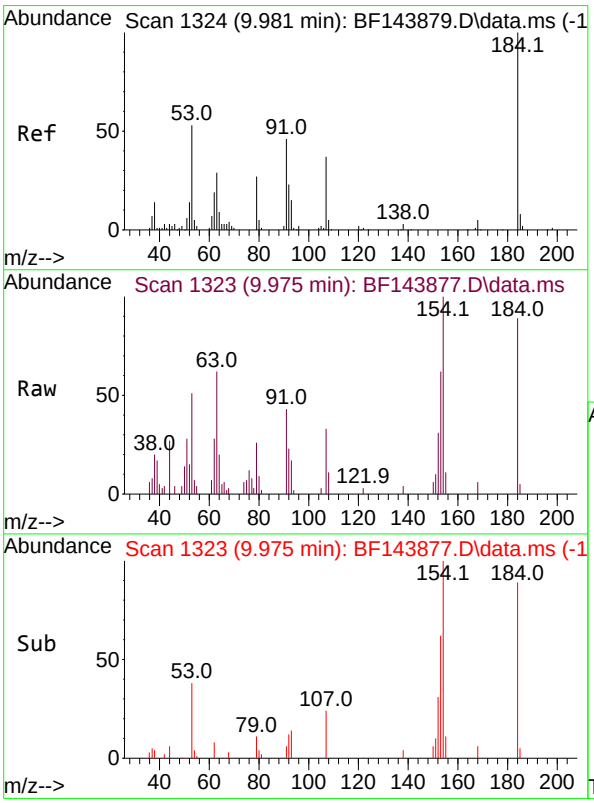
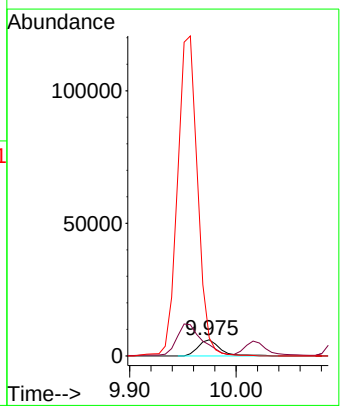
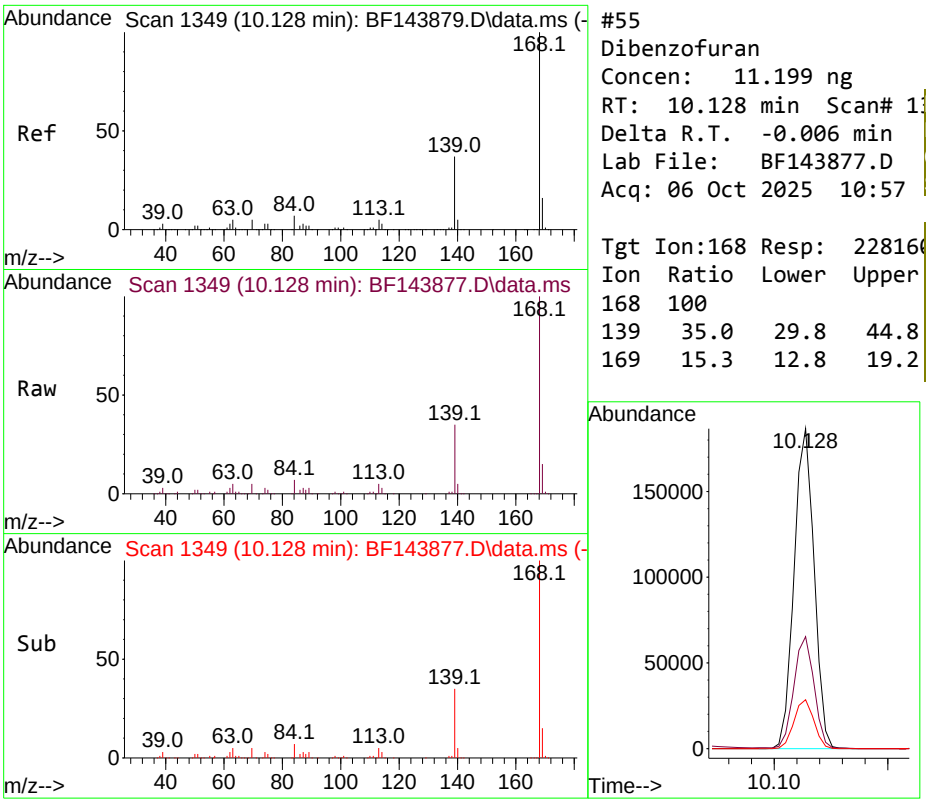


#54
2,4-Dinitrophenol
Concen: 10.761 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:184 Resp: 8624

Ion	Ratio	Lower	Upper
184	100		
63	69.4	48.2	72.4
154	112.7	49.2	73.8#





#55
Dibenzofuran
Concen: 11.199 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:168 Resp: 22816

Ion	Ratio	Lower	Upper
168	100		
139	35.0	29.8	44.8
169	15.3	12.8	19.2

Instrument :
BNA_F
ClientSampleId :
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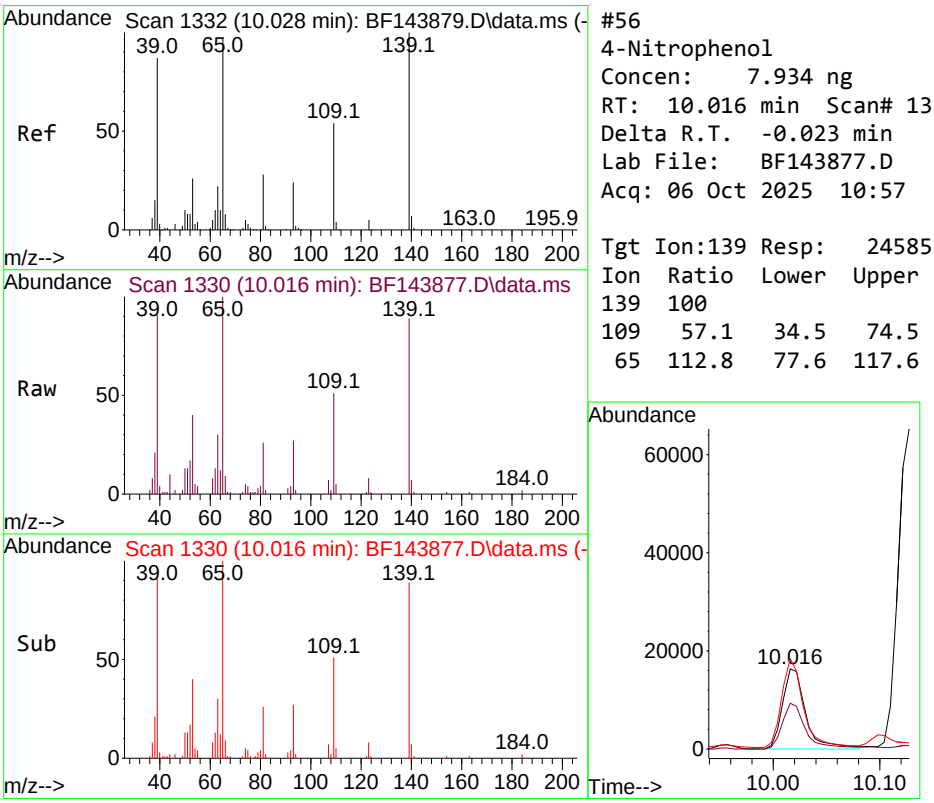
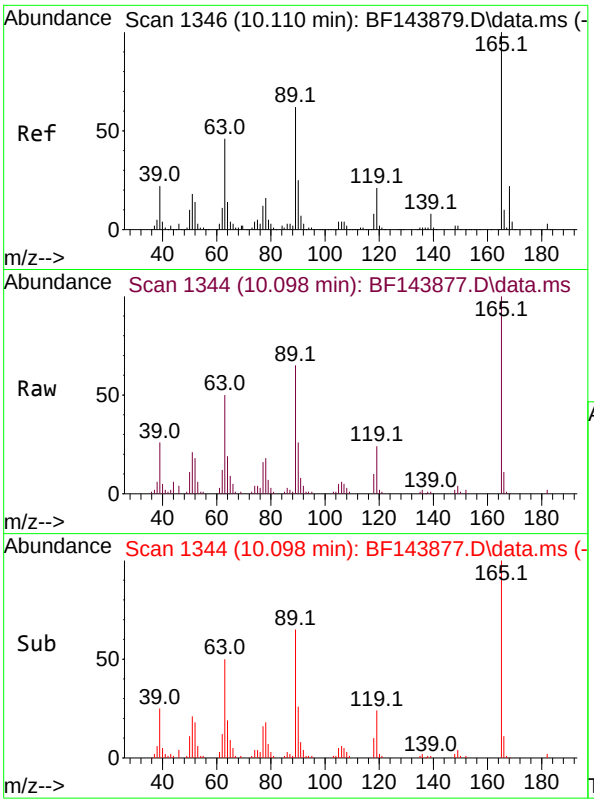


#56
4-Nitrophenol
Concen: 7.934 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:139 Resp: 24585

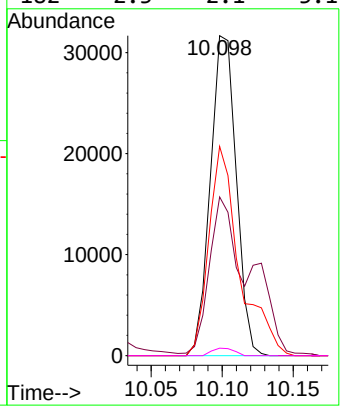
Ion	Ratio	Lower	Upper
139	100		
109	57.1	34.5	74.5
65	112.8	77.6	117.6



#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:165 Resp: 4029

Ion	Ratio	Lower	Upper
165	100		
63	49.6	37.2	55.8
89	65.4	49.4	74.2
182	2.3	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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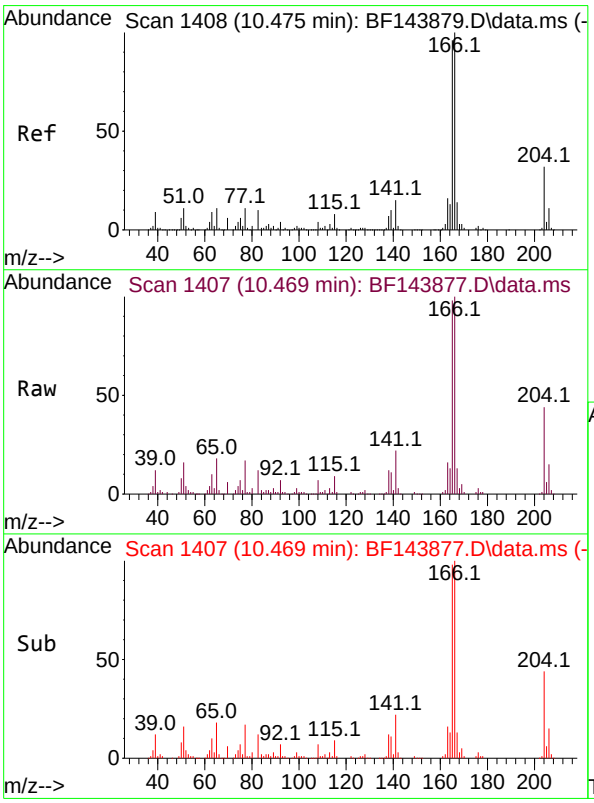
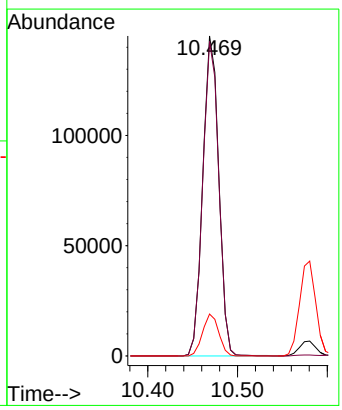
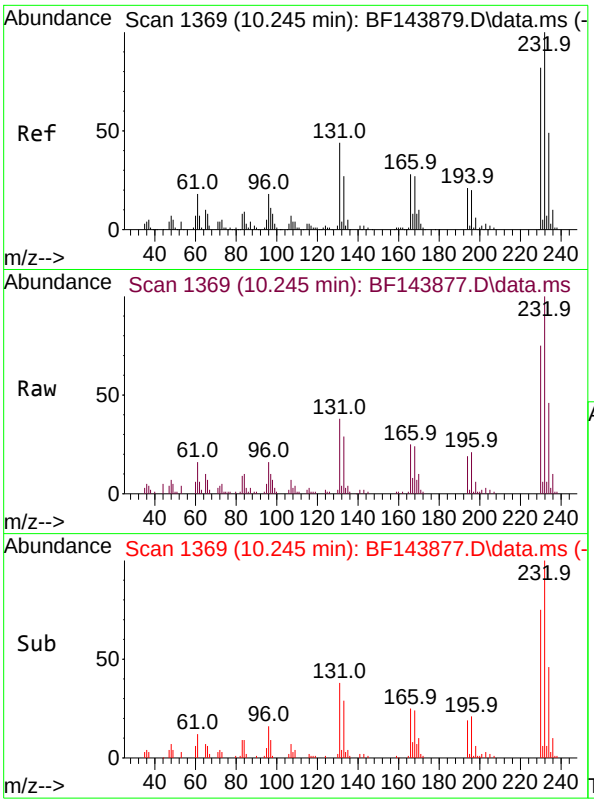


#58
Fluorene
Concen: 11.683 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:166 Resp: 179607

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.0	115.6
167	13.1	11.1	16.7

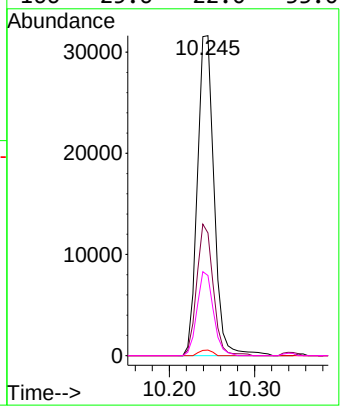




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.041 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:232 Resp: 4305

Ion	Ratio	Lower	Upper
232	100		
131	40.3	34.9	52.3
130	1.4	1.6	2.4#
166	25.6	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
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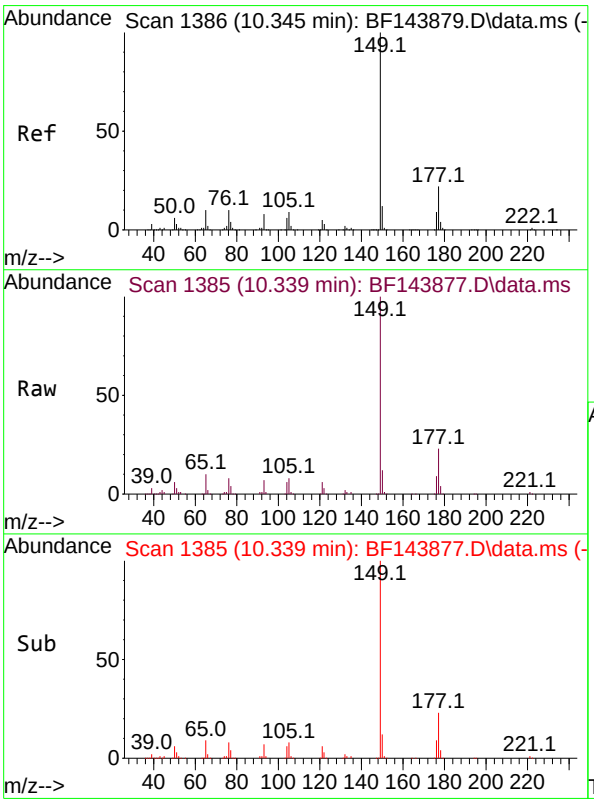
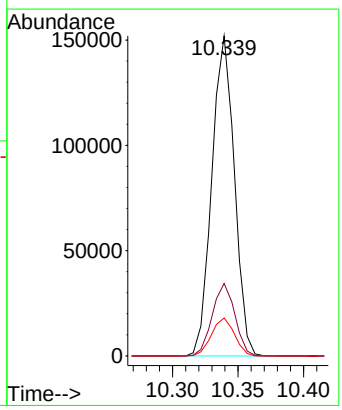
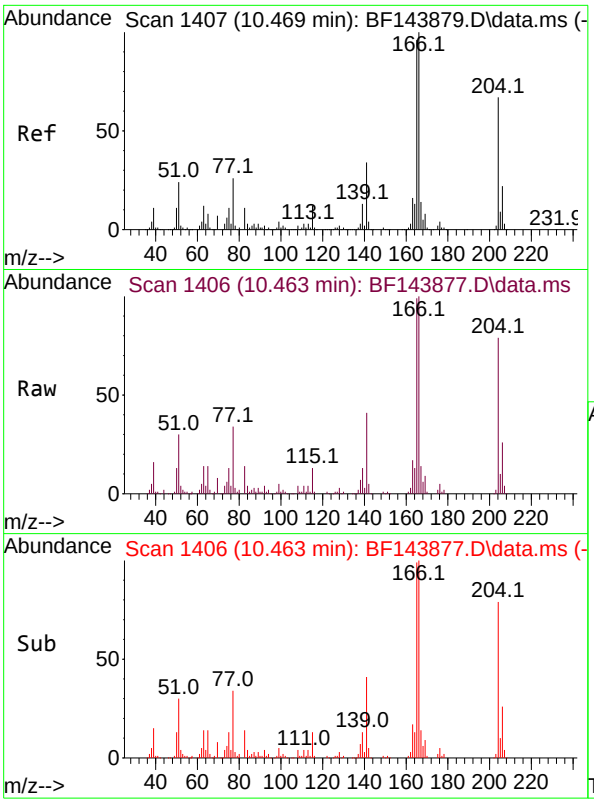


#60
Diethylphthalate
Concen: 10.860 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 181846

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	11.8	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 11.565 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:204 Resp: 9400

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	52.2	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
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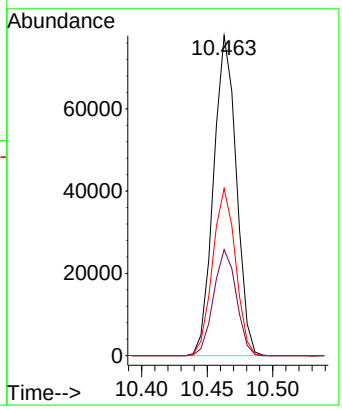
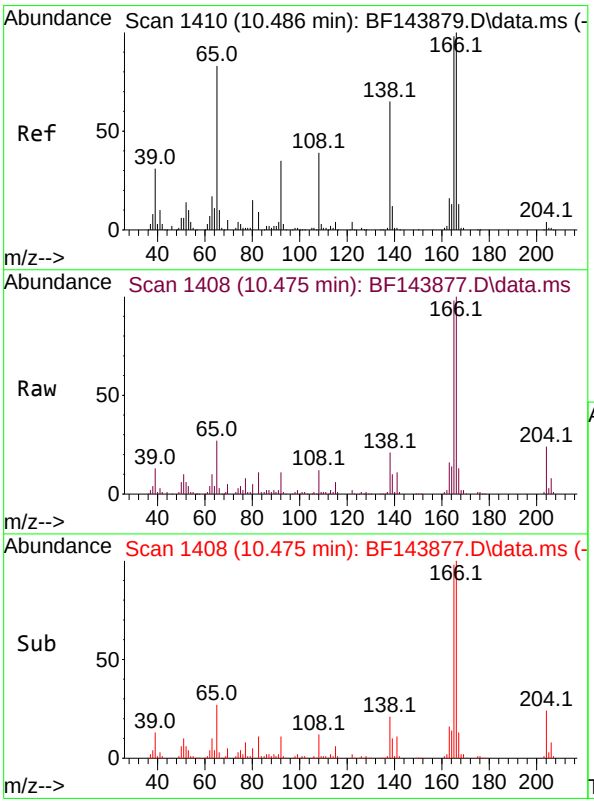
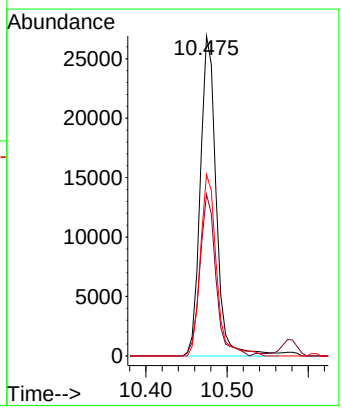


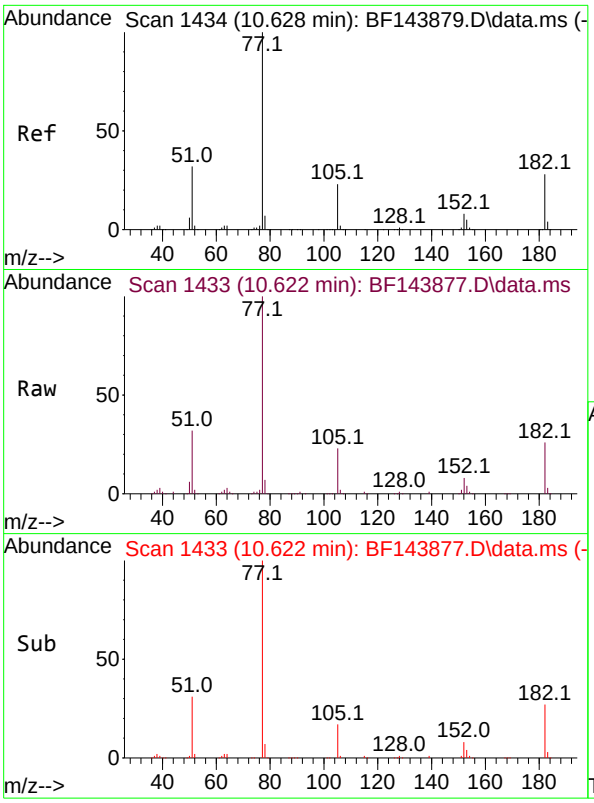


#62
4-Nitroaniline
Concen: 9.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:138 Resp: 36684

Ion	Ratio	Lower	Upper
138	100		
92	50.5	33.9	73.9
108	56.7	40.2	80.2

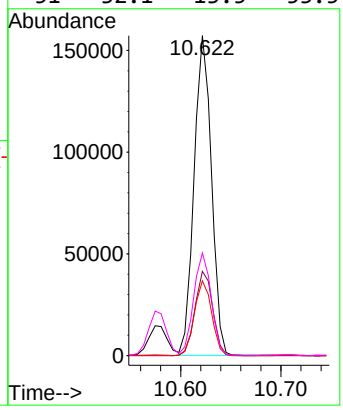




#63
Azobenzene
Concen: 10.794 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 188888

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	23.4	3.0	43.0
51	32.1	13.5	53.5



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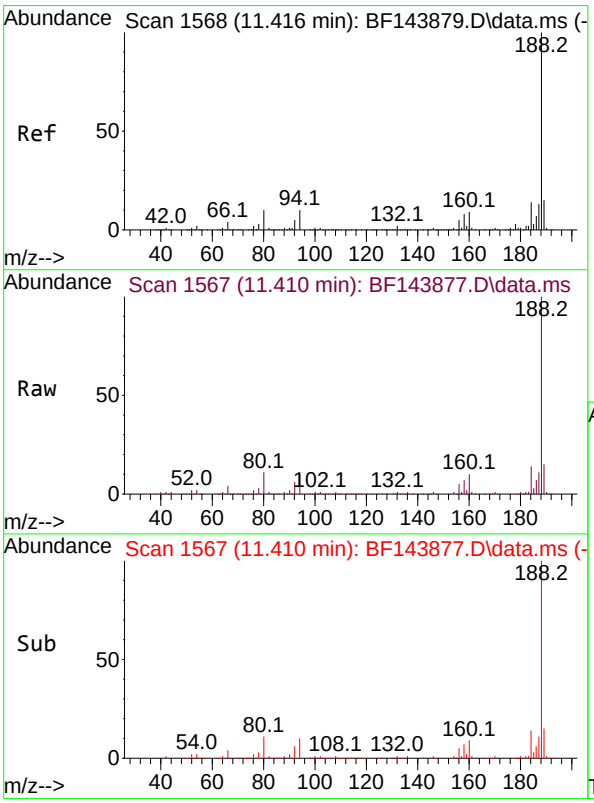
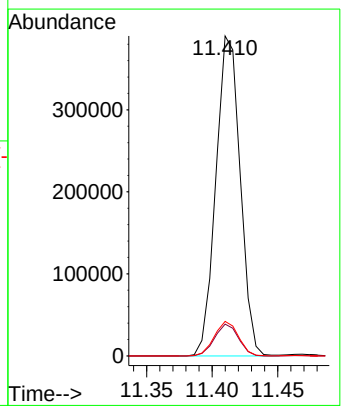
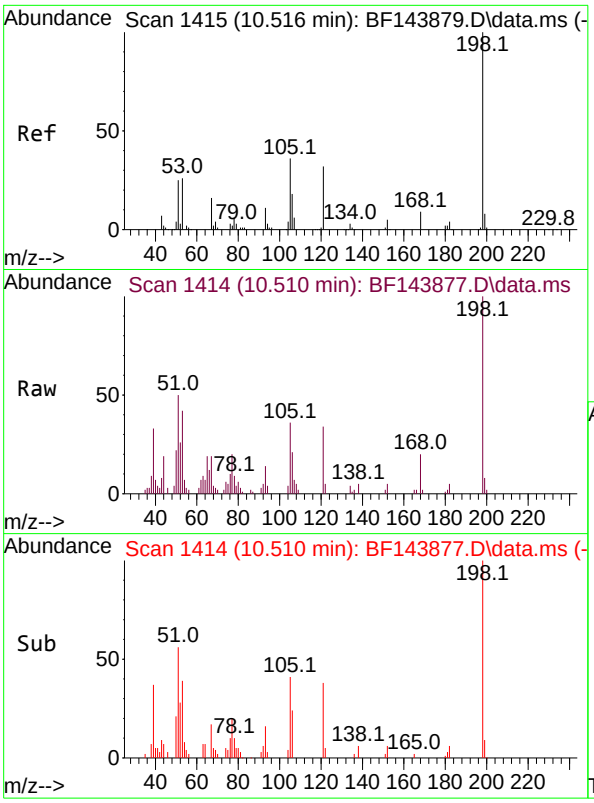


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:188 Resp: 504357

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.8	7.9	11.9

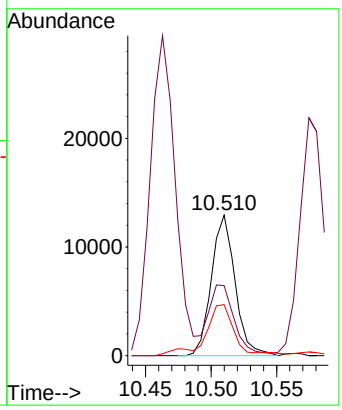




#65
4,6-Dinitro-2-methylphenol
Concen: 6.421 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:198 Resp: 1627

Ion	Ratio	Lower	Upper
198	100		
51	49.9	33.8	73.8
105	36.3	17.0	57.0



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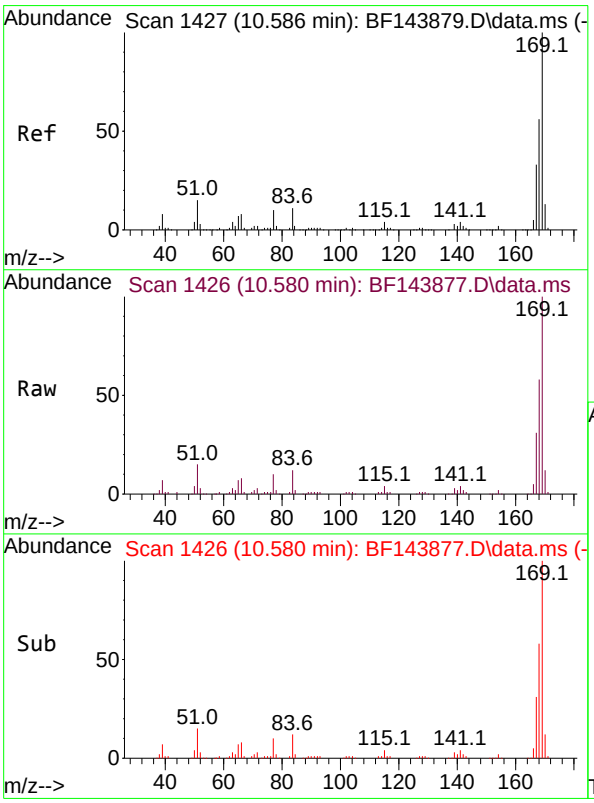
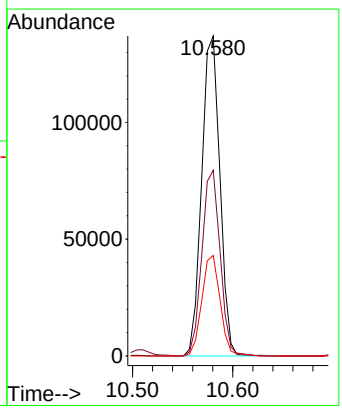
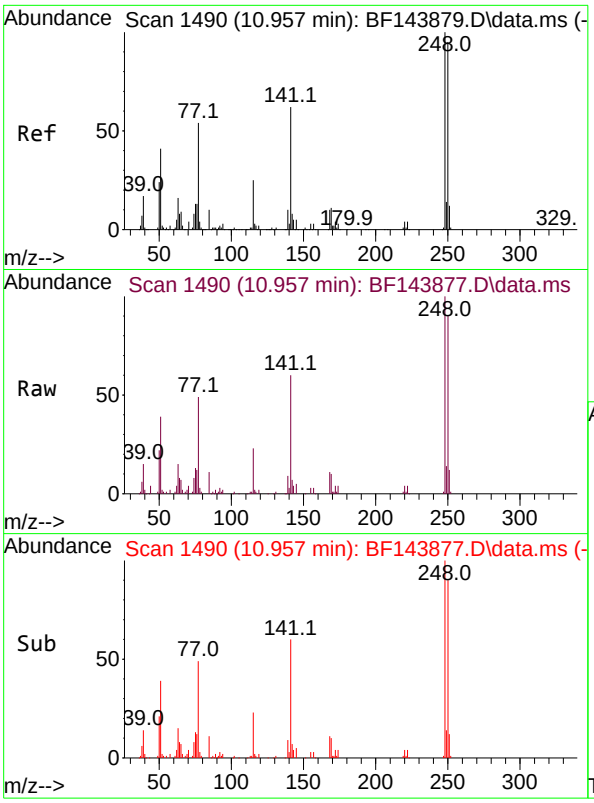


#66
n-Nitrosodiphenylamine
Concen: 10.869 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:169 Resp: 172118

Ion	Ratio	Lower	Upper
169	100		
168	58.0	44.9	67.3
167	31.4	26.3	39.5

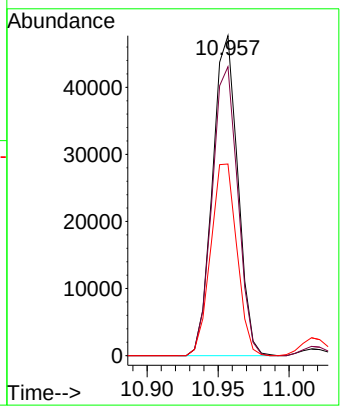




#67
4-Bromophenyl-phenylether
Concen: 10.581 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:248 Resp: 5898

Ion	Ratio	Lower	Upper
248	100		
250	90.3	76.3	114.5
141	59.9	49.7	74.5



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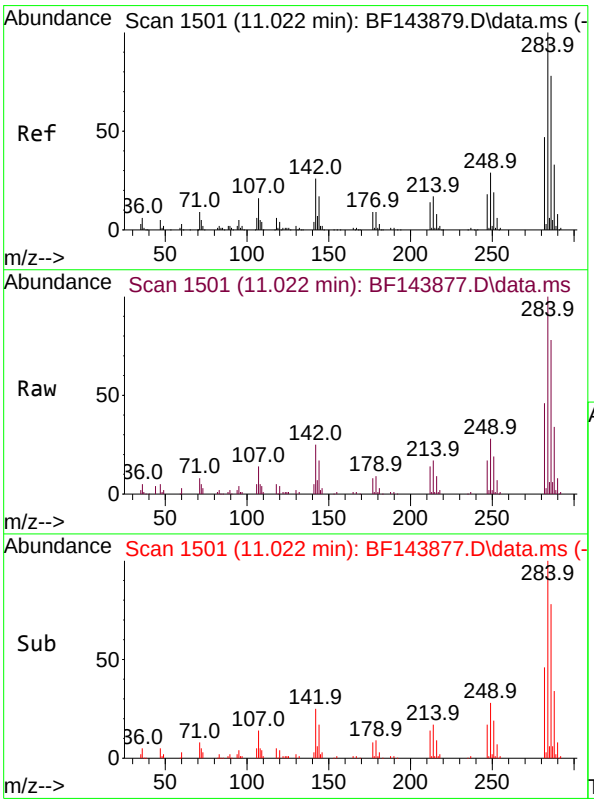
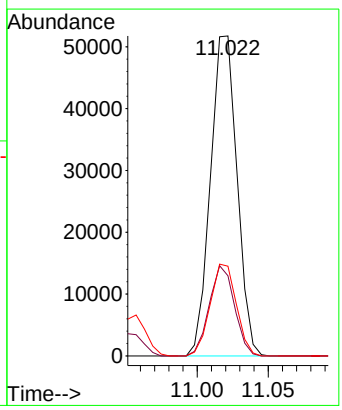
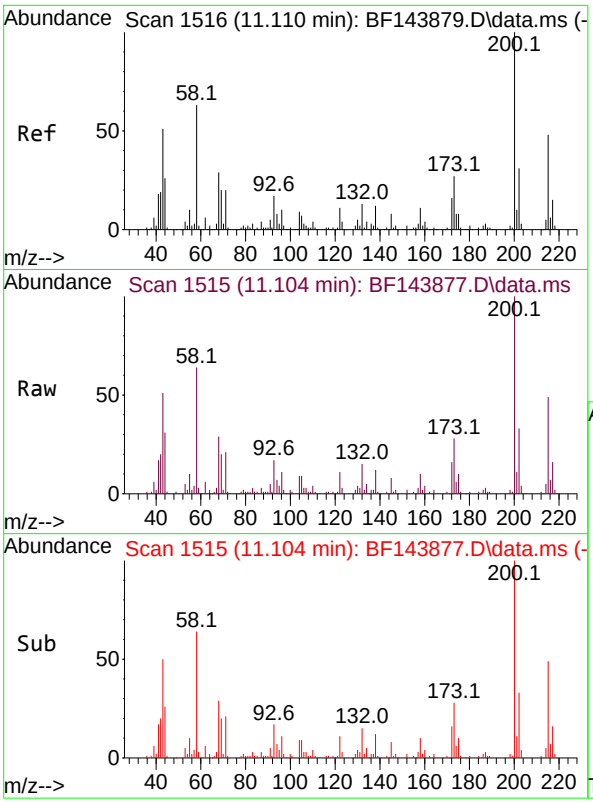


#68
Hexachlorobenzene
Concen: 10.459 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:284 Resp: 67494

Ion	Ratio	Lower	Upper
284	100		
142	25.0	20.6	30.8
249	28.0	23.2	34.8

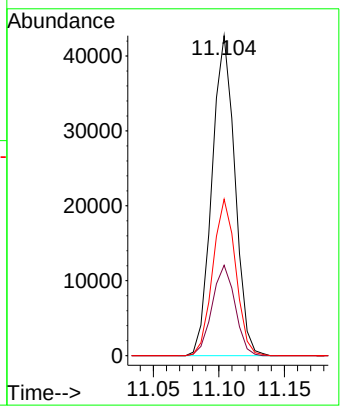




#69
Atrazine
Concen: 10.837 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:200 Resp: 5201

Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.0	47.0
215	48.9	27.8	67.8



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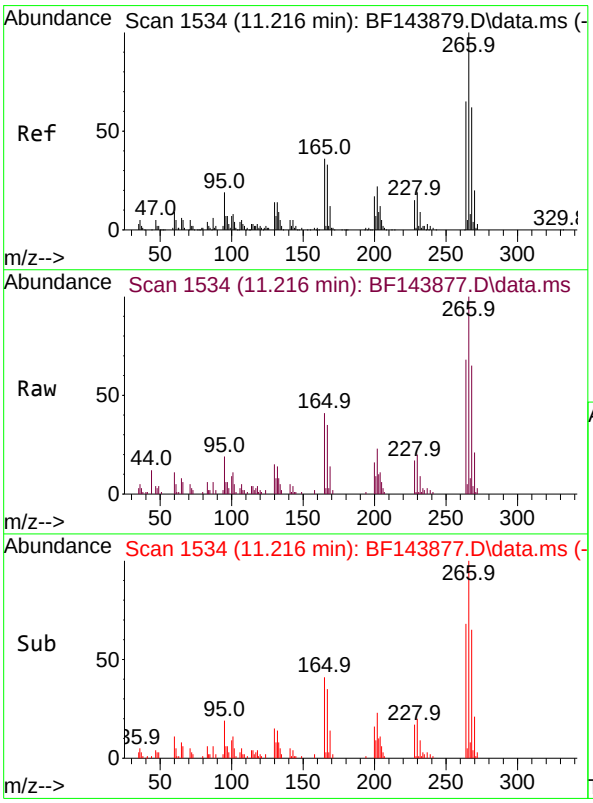
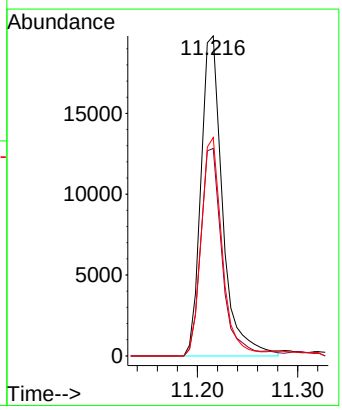
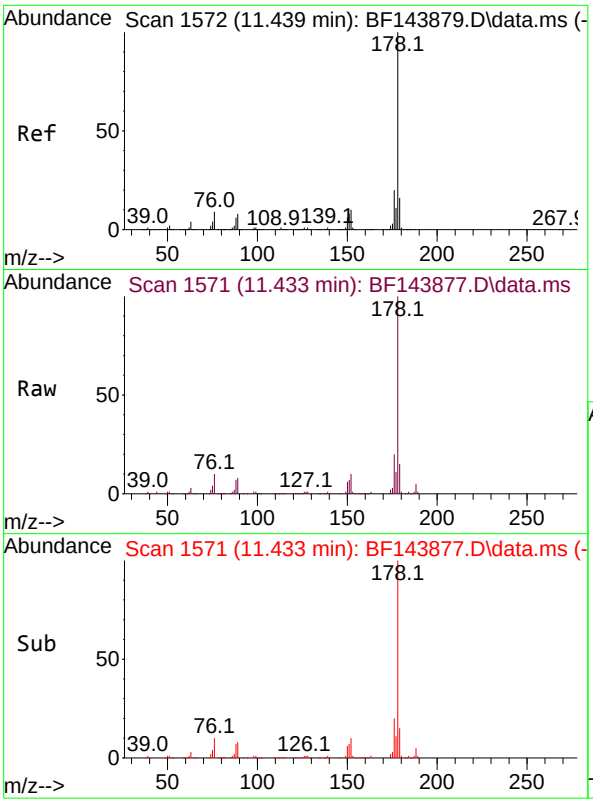


#70
Pentachlorophenol
Concen: 7.989 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:266 Resp: 29608

Ion	Ratio	Lower	Upper
266	100		
268	64.8	49.4	74.0
264	68.2	51.8	77.6

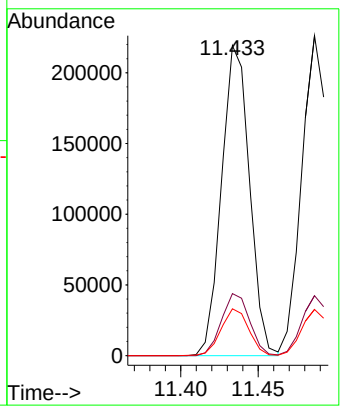




#71
Phenanthrene
Concen: 11.267 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:178 Resp: 27548

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.1	12.4	18.6



Instrument :
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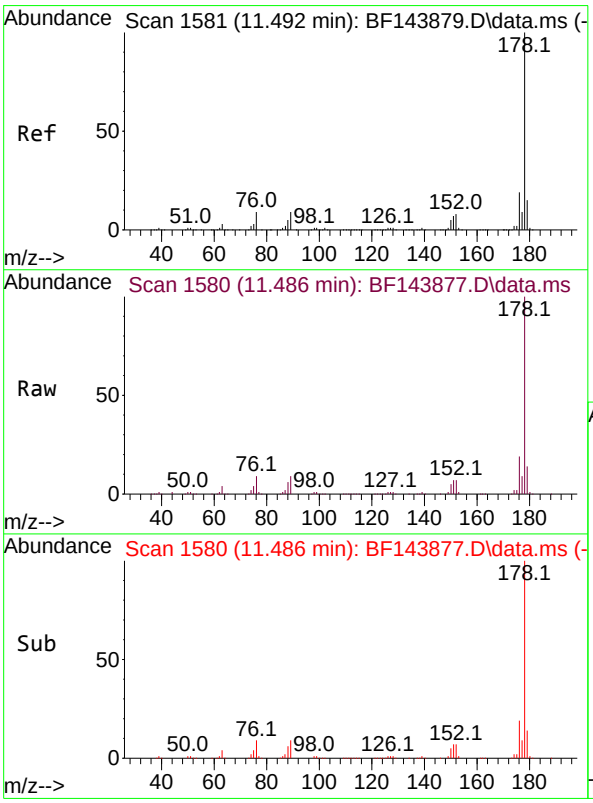
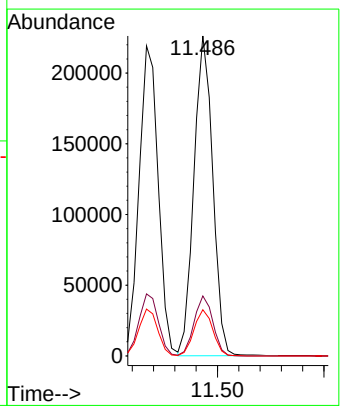
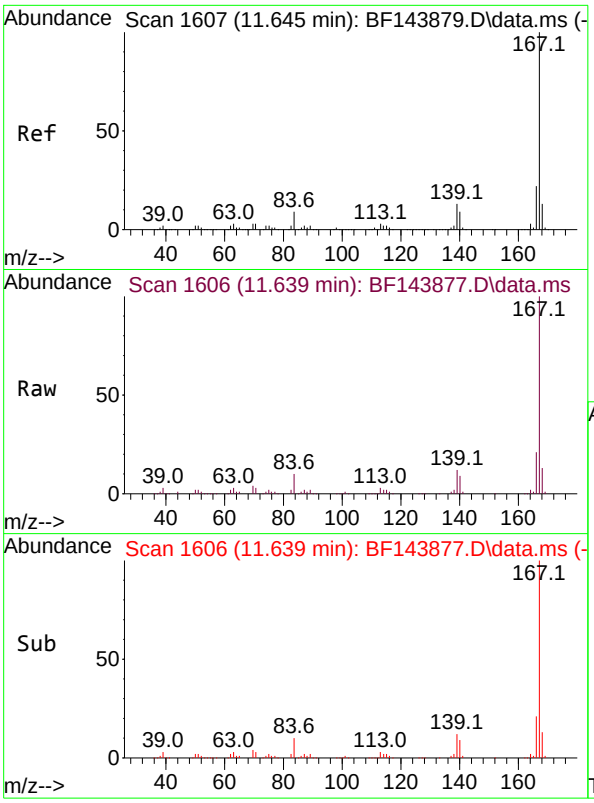


#72
Anthracene
Concen: 11.201 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:178 Resp: 276694

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	14.4	12.2	18.2

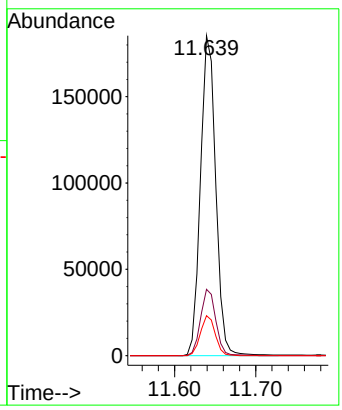




#73
Carbazole
Concen: 11.086 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:167 Resp: 24253

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.5	10.1	15.1



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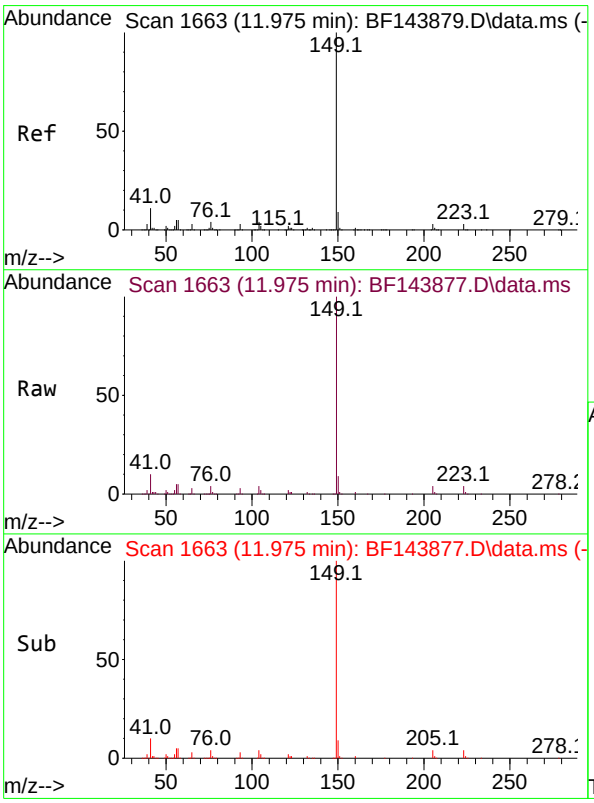
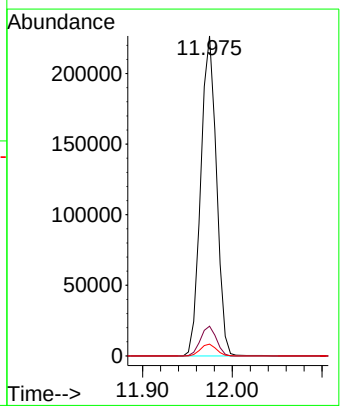
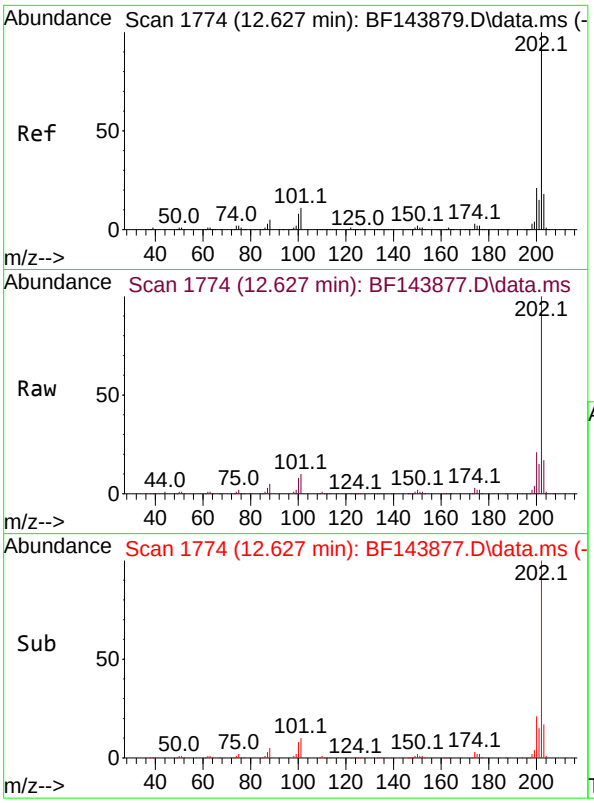


#74
Di-n-butylphthalate
Concen: 10.879 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 275838

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	3.7	3.4	5.2

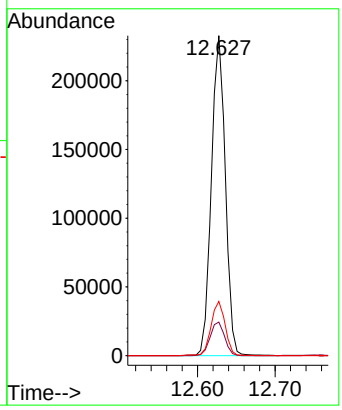




#75
Fluoranthene
Concen: 11.510 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:202 Resp: 29071

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	16.9	0.0	37.8



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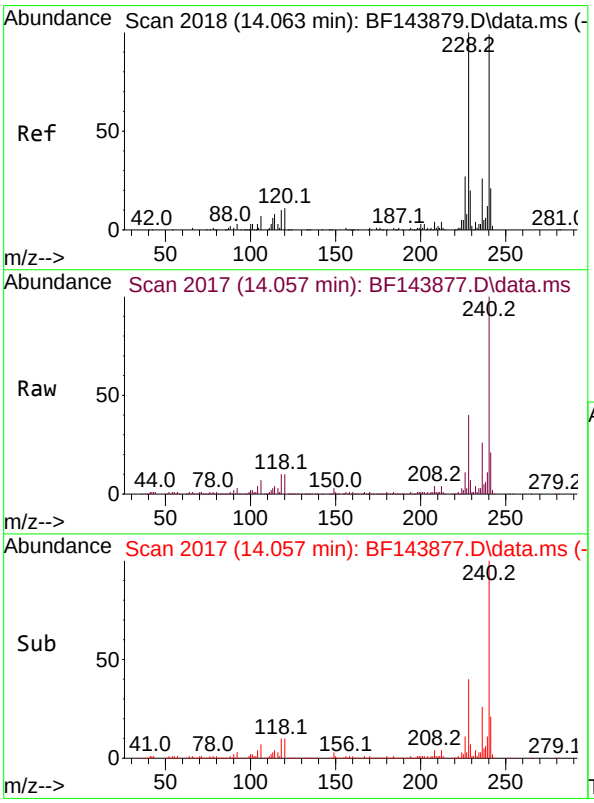
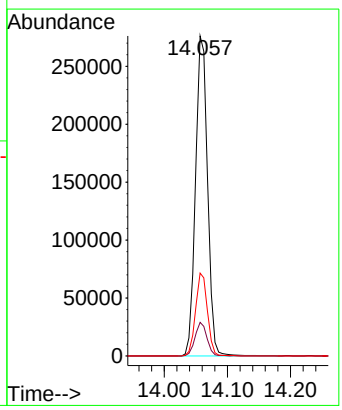
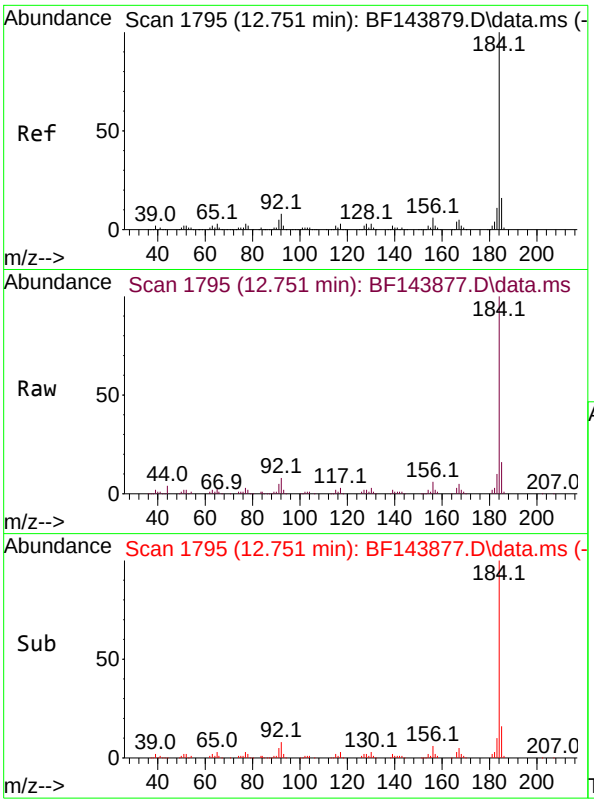


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:240 Resp: 366499

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	25.9	21.1	31.7

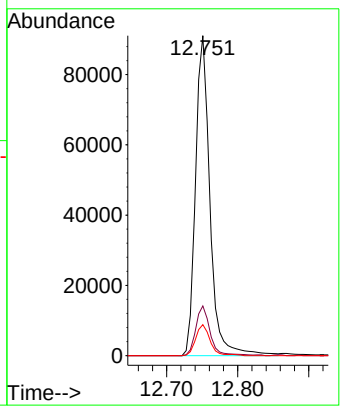




#77
Benzidine
Concen: 10.092 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:184 Resp: 12842

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	9.7	8.8	13.2



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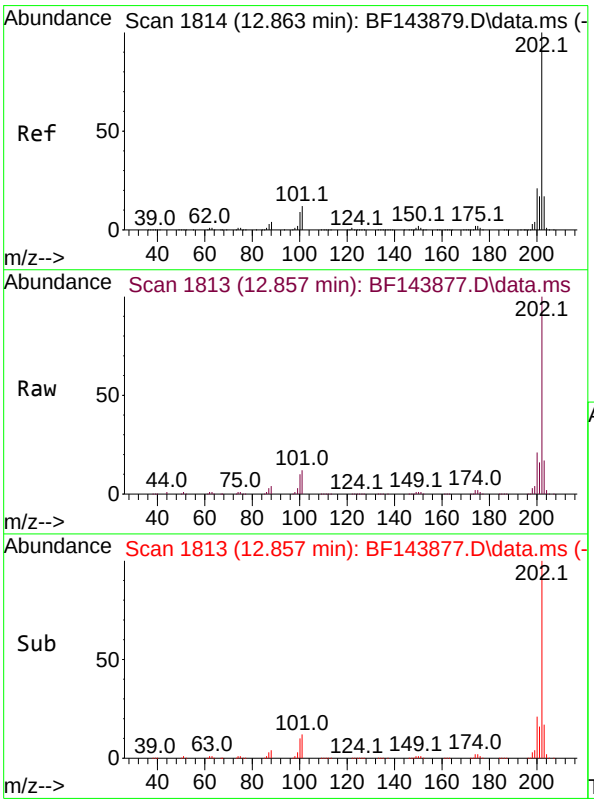
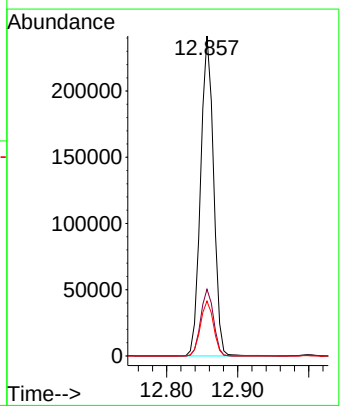
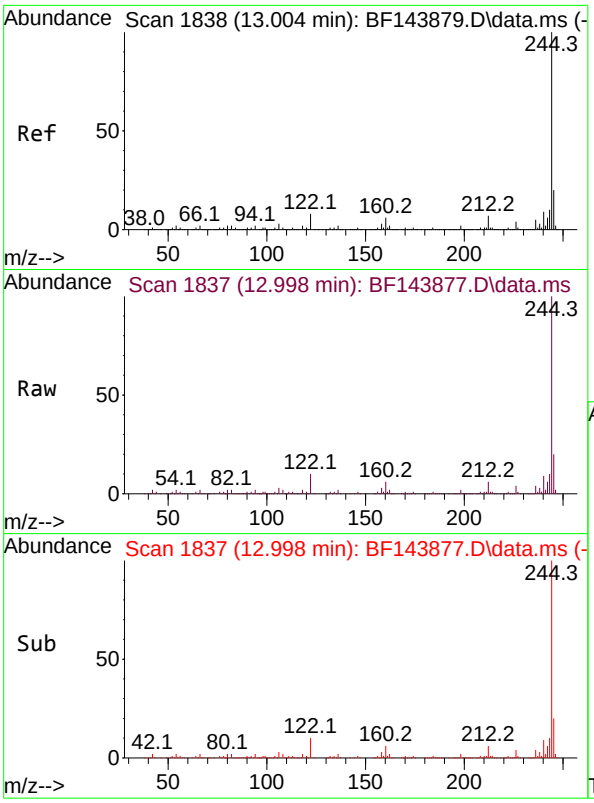


#78
Pyrene
Concen: 9.975 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:202 Resp: 304789

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.6
203	17.1	13.8	20.6

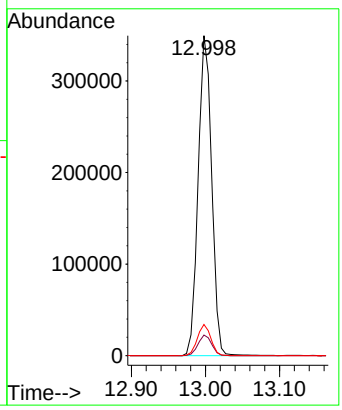




#79
Terphenyl-d14
Concen: 20.657 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:244 Resp: 44296

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.7	6.4	9.6



Instrument :
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ClientSampleId :
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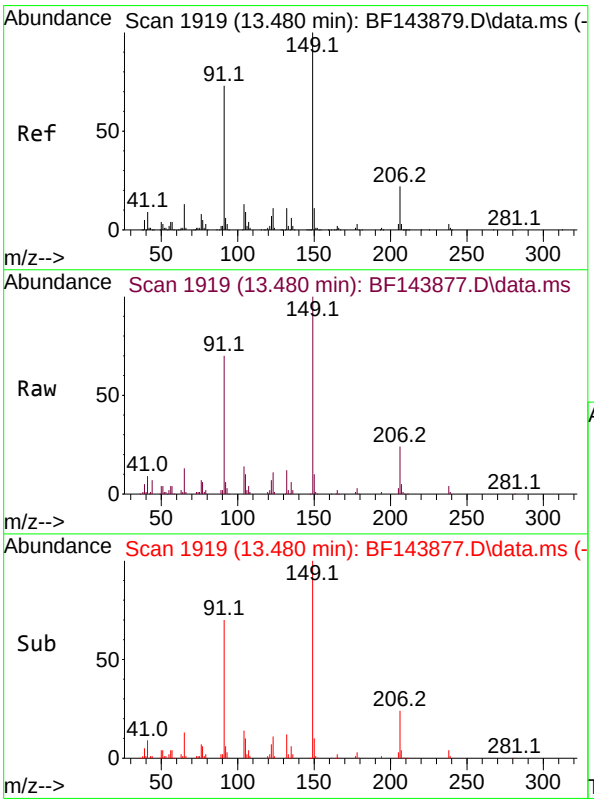
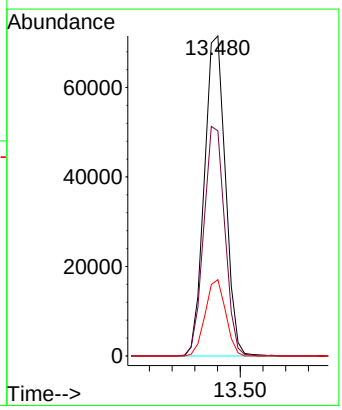
Supervised By :Jagrut Upadhyay 10/07/2025

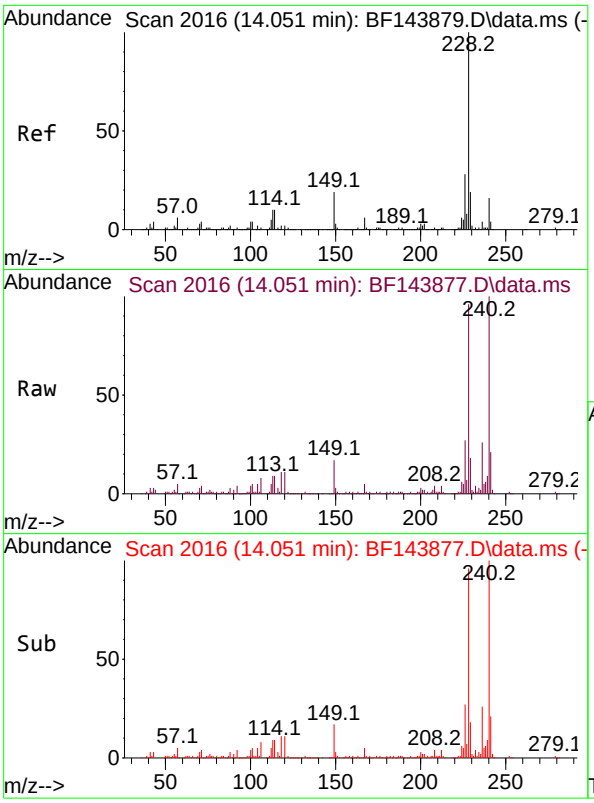


#80
Butylbenzylphthalate
Concen: 9.296 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 92241

Ion	Ratio	Lower	Upper
149	100		
91	70.3	58.2	87.2
206	23.8	17.9	26.9

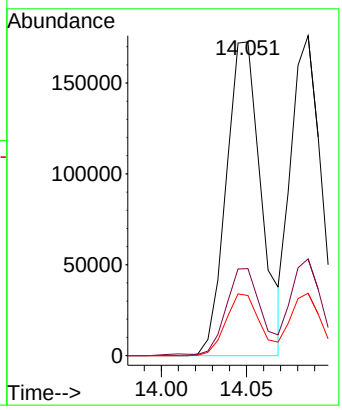




#81
Benzo(a)anthracene
Concen: 10.293 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:228 Resp: 24687

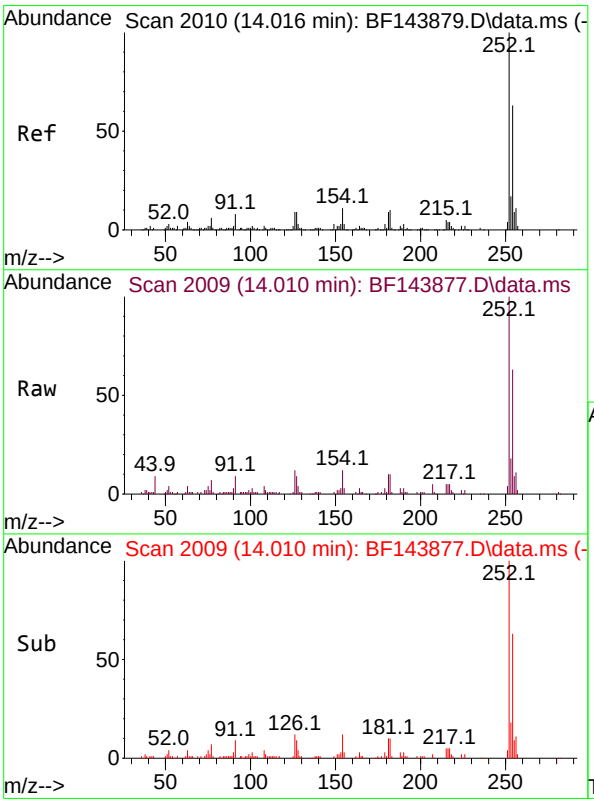
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

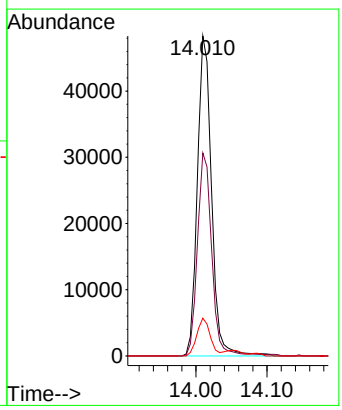
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

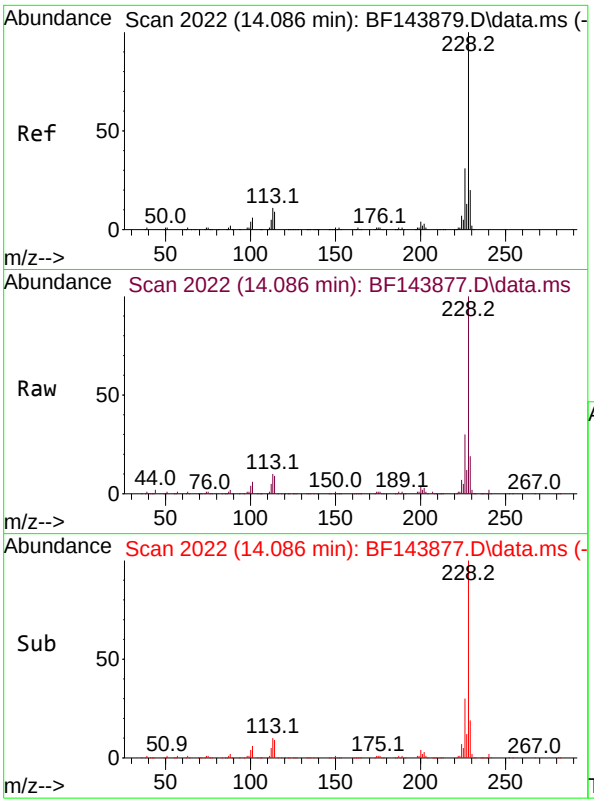


#82
3,3'-Dichlorobenzidine
Concen: 9.129 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 66722

Ion	Ratio	Lower	Upper
252	100		
254	63.4	50.6	76.0
126	11.8	7.0	10.6#

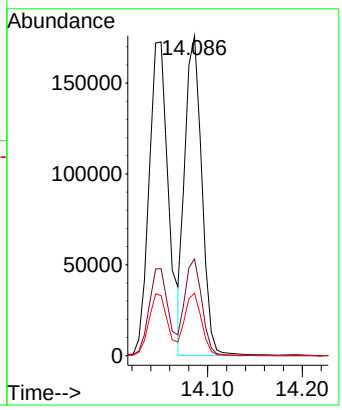




#83
Chrysene
Concen: 9.809 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:228 Resp: 21774

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.5	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Rahul Chavli 10/07/2025
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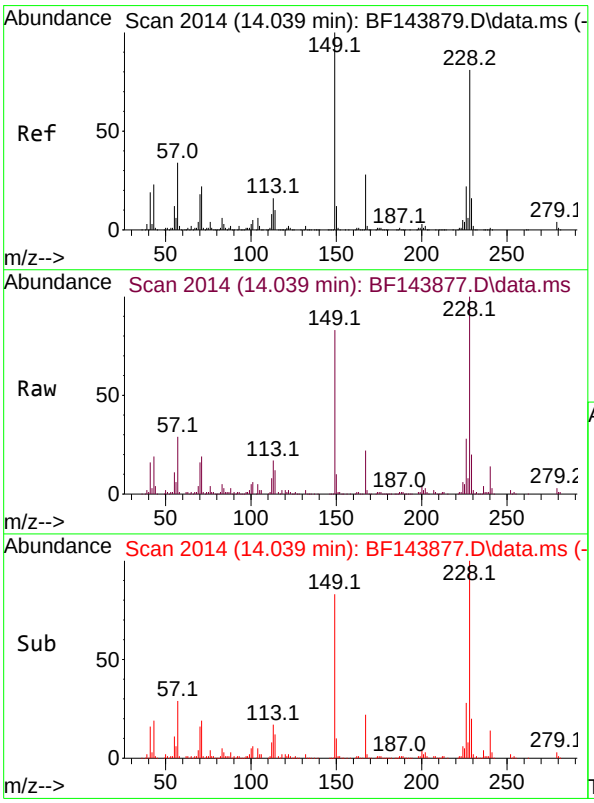
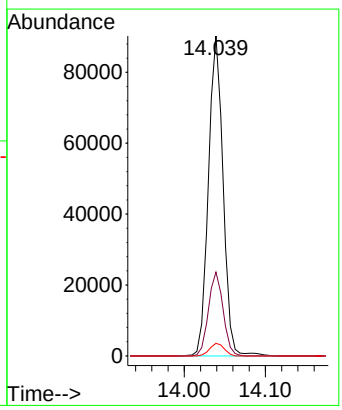
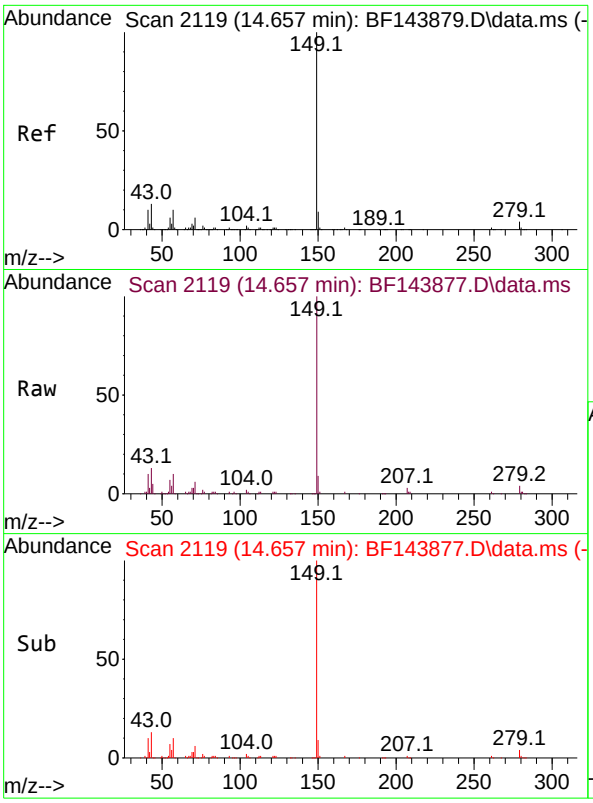


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.483 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 113431

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.2	33.4
279	3.9	3.1	4.7

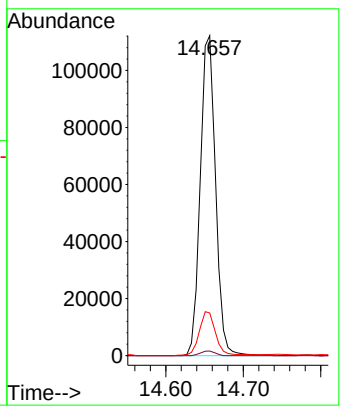




#85
Di-n-octyl phthalate
Concen: 7.810 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 15343

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	14.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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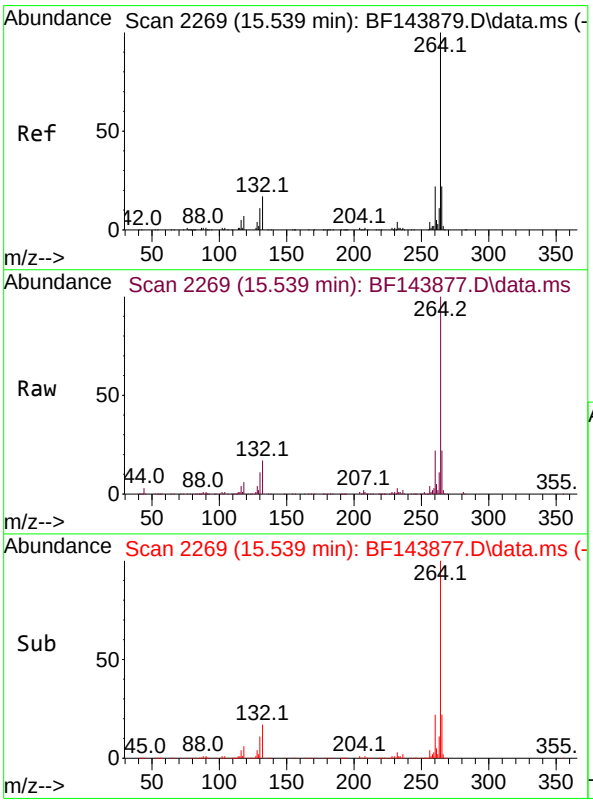
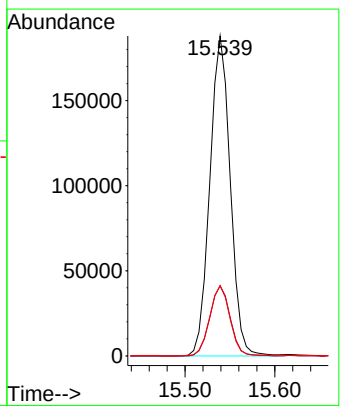
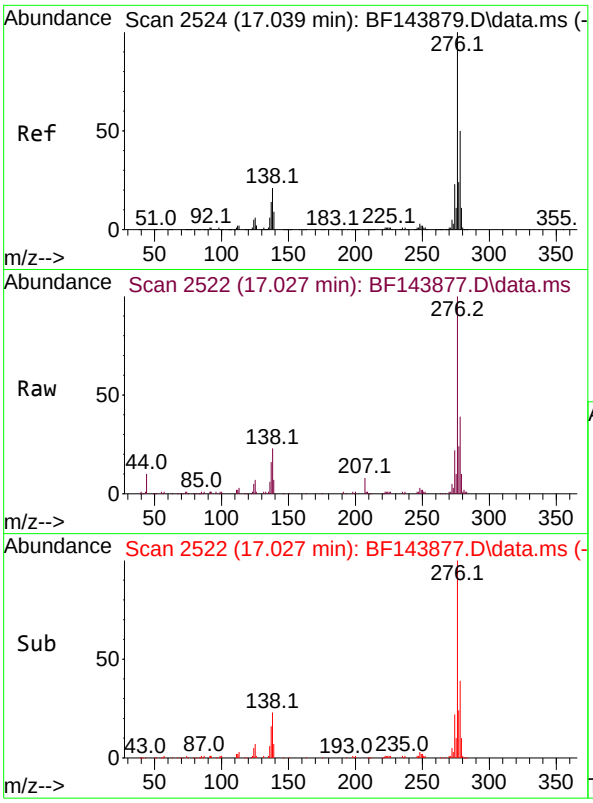


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:264 Resp: 297391

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	21.9	17.5	26.3

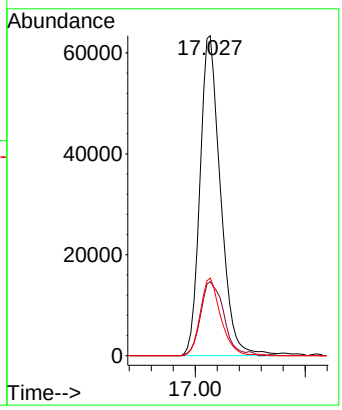




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.011 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:276 Resp: 16420

Ion	Ratio	Lower	Upper
276	100		
138	26.2	18.2	27.2
277	24.1	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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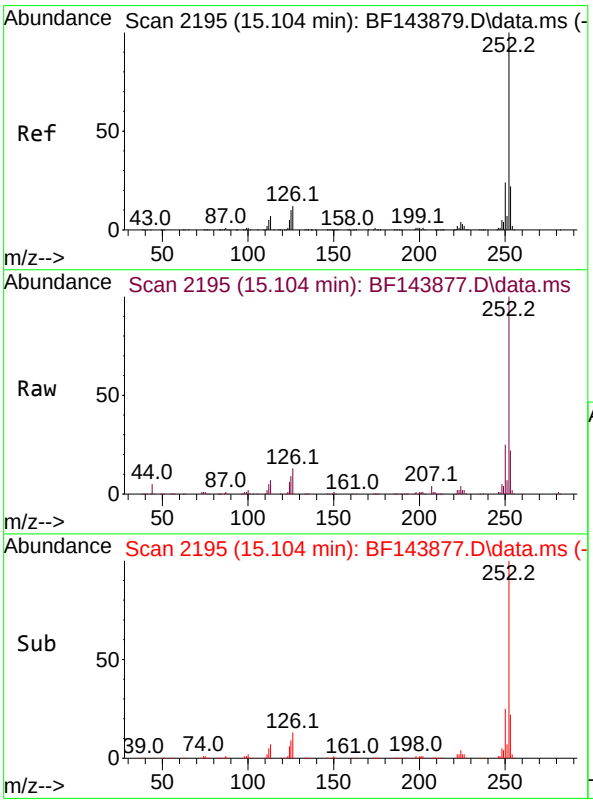
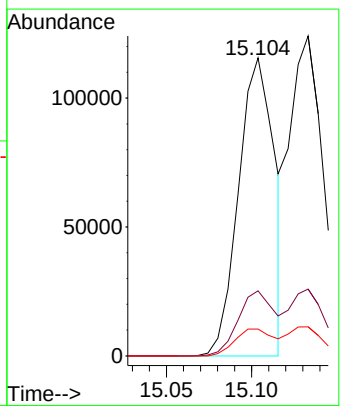
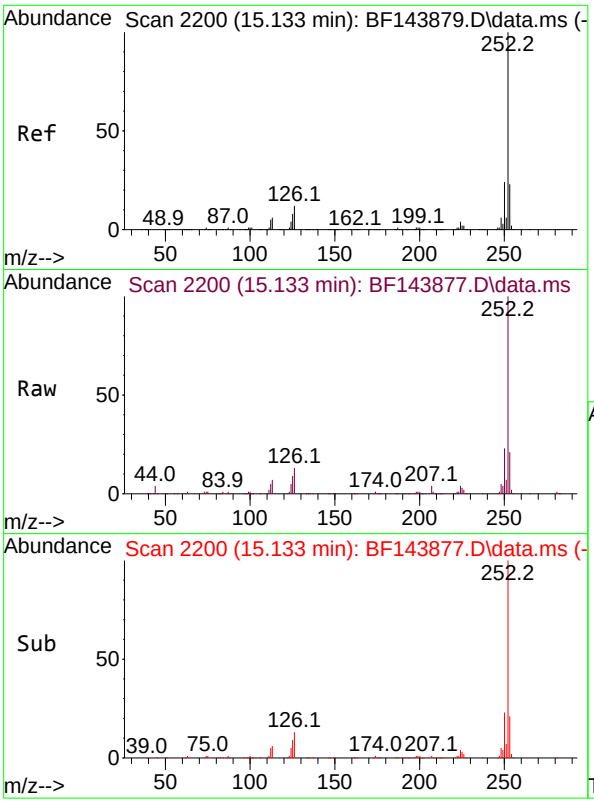


#88
Benzo(b)fluoranthene
Concen: 9.901 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 169146

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.0	7.8	11.6

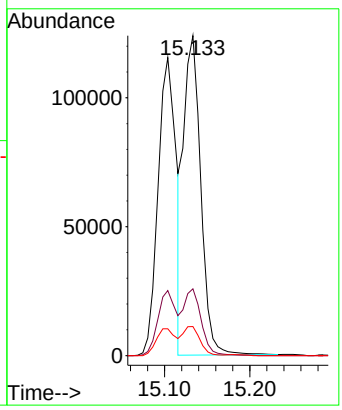




#89
Benzo(k)fluoranthene
Concen: 11.032 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 17439

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	9.1	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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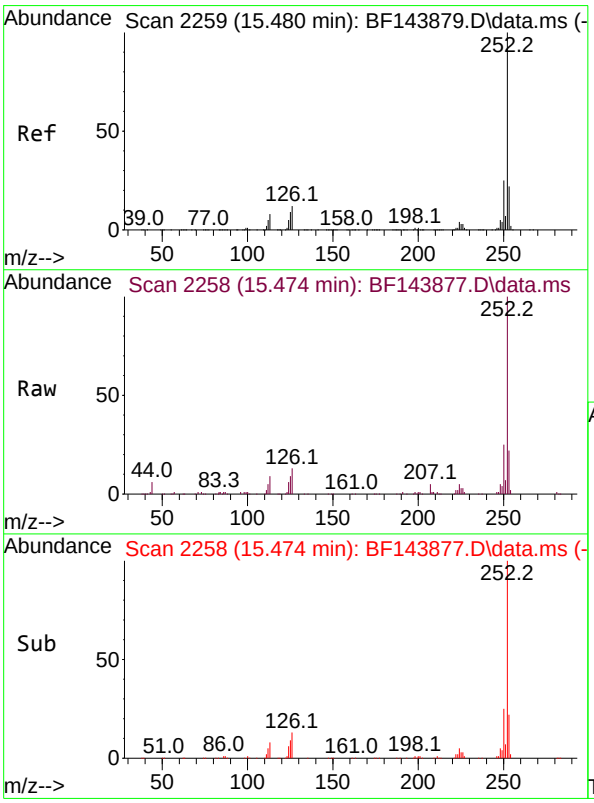
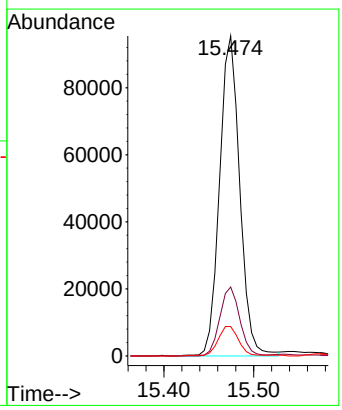
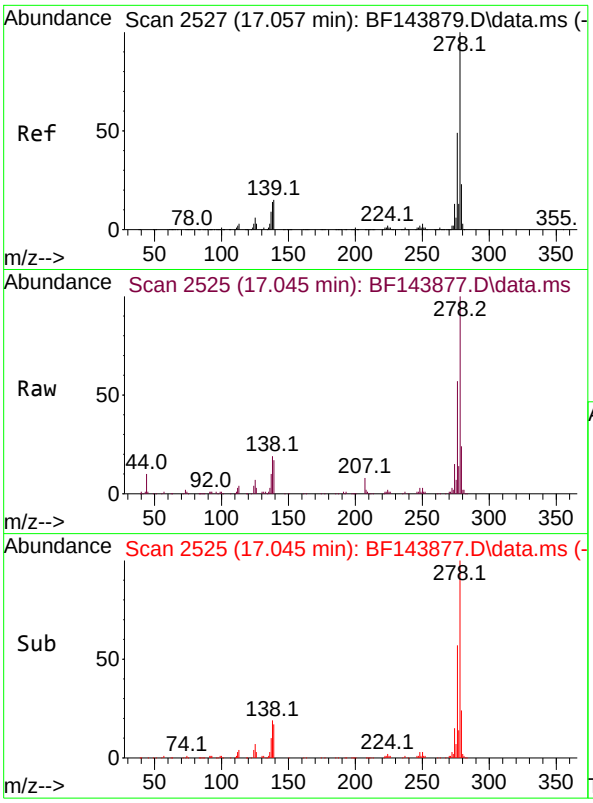


#90
Benzo(a)pyrene
Concen: 10.096 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 149543

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	9.2	7.0	10.4

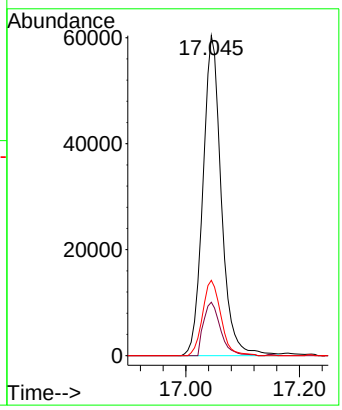




#91
Dibenzo(a,h)anthracene
Concen: 9.279 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:278 Resp: 13599

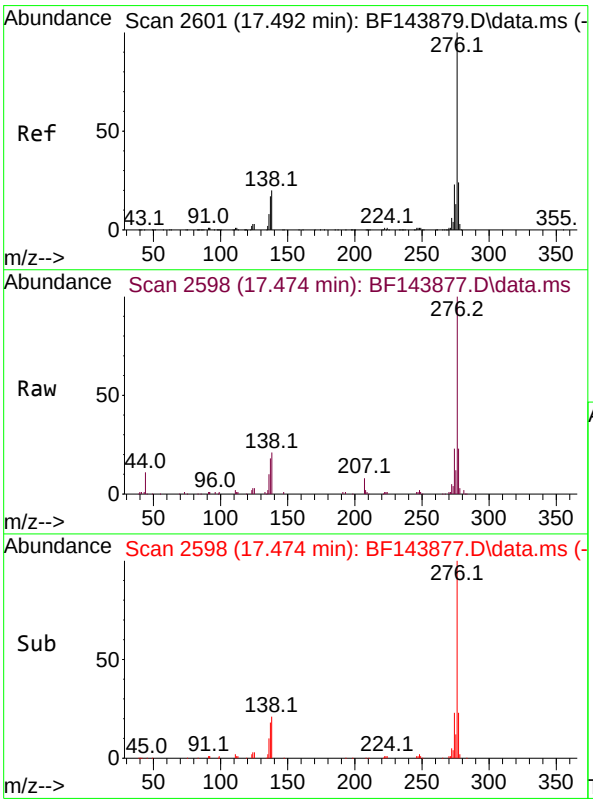
Ion	Ratio	Lower	Upper
278	100		
139	16.7	11.7	17.5
279	23.5	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

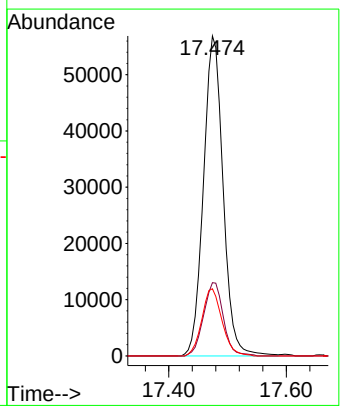
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 9.012 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:276 Resp: 132076

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.6
138	21.0	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	144072	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	561772	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	311297	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	536961	20.000	ng		0.00
76) Chrysene-d12	14.063	240	346764	20.000	ng		0.00
86) Perylene-d12	15.539	264	314616	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	389641	42.947	ng		0.00
7) Phenol-d6	6.498	99	461437	42.670	ng		-0.02
23) Nitrobenzene-d5	7.439	82	389584	42.133	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	130577	42.114	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	831185	42.367	ng		-0.01
79) Terphenyl-d14	12.998	244	881486	43.445	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	86079	20.503	ng		97
3) Pyridine	3.410	79	251988	20.618	ng		99
4) n-Nitrosodimethylamine	3.346	42	128915	20.051	ng		96
6) Aniline	6.540	93	340202	20.994	ng		99
8) 2-Chlorophenol	6.663	128	183611	20.704	ng		99
9) Benzaldehyde	6.434	77	147781	17.715	ng		99
10) Phenol	6.510	94	272100m	21.046	ng		
11) bis(2-Chloroethyl)ether	6.616	93	211296	21.157	ng		100
12) 1,3-Dichlorobenzene	6.822	146	228938	21.566	ng		98
13) 1,4-Dichlorobenzene	6.898	146	225703	21.554	ng		99
14) 1,2-Dichlorobenzene	7.051	146	216196	21.555	ng		98
15) Benzyl Alcohol	7.016	79	164008	20.241	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	471598	20.745	ng		100
17) 2-Methylphenol	7.128	107	151099	20.616	ng		99
18) Hexachloroethane	7.398	117	74147	21.232	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	151838	20.512	ng		99
20) 3+4-Methylphenols	7.281	107	193273	22.753	ng	#	86
22) Acetophenone	7.287	105	259382	21.837	ng		100
24) Nitrobenzene	7.463	77	218497	21.279	ng		100
25) Isophorone	7.698	82	397606	20.393	ng		99
26) 2-Nitrophenol	7.781	139	91336	20.747	ng		96
27) 2,4-Dimethylphenol	7.810	122	163783	20.682	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	260252	21.131	ng		98
29) 2,4-Dichlorophenol	8.016	162	175934	21.328	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	172265	21.234	ng		98
31) Naphthalene	8.186	128	545971	21.365	ng		99
32) Benzoic acid	7.892	122	98172m	17.912	ng		
33) 4-Chloroaniline	8.233	127	200545	20.924	ng		98
34) Hexachlorobutadiene	8.304	225	118056	20.941	ng		98
35) Caprolactam	8.586	113	51159	19.505	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	162629	20.524	ng		97
37) 2-Methylnaphthalene	8.875	142	367401	21.583	ng		99
38) 1-Methylnaphthalene	8.975	142	353459	21.407	ng		97
40) 1,2,4,5-Tetrachloroben...	9.045	216	185181	21.523	ng		98
41) Hexachlorocyclopentadiene	9.033	237	67128	18.807	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	132747	21.116	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	143043	21.532	ng		98
46) 1,1'-Biphenyl	9.339	154	450706	21.868	ng		100
47) 2-Chloronaphthalene	9.369	162	372531	21.679	ng		96
48) 2-Nitroaniline	9.457	65	115519	21.263	ng		98
49) Acenaphthylene	9.780	152	512980	21.234	ng		100
50) Dimethylphthalate	9.639	163	415359	21.011	ng		100
51) 2,6-Dinitrotoluene	9.698	165	76360	20.831	ng		96
52) Acenaphthene	9.957	154	341066	21.545	ng		99
53) 3-Nitroaniline	9.869	138	95127	21.194	ng		99
54) 2,4-Dinitrophenol	9.975	184	29199	18.734	ng	#	67
55) Dibenzofuran	10.128	168	489250	21.894	ng		98
56) 4-Nitrophenol	10.022	139	66930	19.694	ng		97
57) 2,4-Dinitrotoluene	10.104	165	106136	21.280	ng		99
58) Fluorene	10.469	166	365206	21.659	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	98138	20.869	ng		99
60) Diethylphthalate	10.339	149	396233	21.575	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	194875	21.860	ng		97
62) 4-Nitroaniline	10.480	138	88594	20.526	ng		98
63) Azobenzene	10.622	77	407261	21.218	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	49405	18.309	ng		100
66) n-Nitrosodiphenylamine	10.580	169	362217	21.484	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	123882	20.876	ng		98
68) Hexachlorobenzene	11.022	284	141316	20.570	ng		99
69) Atrazine	11.104	200	114492	22.405	ng		99
70) Pentachlorophenol	11.216	266	81624	20.687	ng		95
71) Phenanthrene	11.439	178	572157	21.979	ng		98
72) Anthracene	11.486	178	567724	21.588	ng		100
73) Carbazole	11.639	167	504282	21.651	ng		99
74) Di-n-butylphthalate	11.974	149	595140	22.047	ng		99
75) Fluoranthene	12.627	202	587348	21.843	ng		98
77) Benzidine	12.751	184	249358	20.710	ng		97
78) Pyrene	12.857	202	613300	21.215	ng		99
80) Butylbenzylphthalate	13.480	149	200832	21.391	ng		97
81) Benzo(a)anthracene	14.051	228	469566	20.693	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	139822	20.219	ng	#	96
83) Chrysene	14.086	228	439378	20.920	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	238132	21.041	ng		100
85) Di-n-octyl phthalate	14.657	149	349721	18.814	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	384441	19.942	ng		97
88) Benzo(b)fluoranthene	15.104	252	355882	19.692	ng		99
89) Benzo(k)fluoranthene	15.133	252	386399	23.106	ng		98
90) Benzo(a)pyrene	15.474	252	326291	20.822	ng		98
91) Dibenzo(a,h)anthracene	17.051	278	319216	20.589	ng		99
92) Benzo(g,h,i)perylene	17.480	276	309120	19.937	ng		98

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

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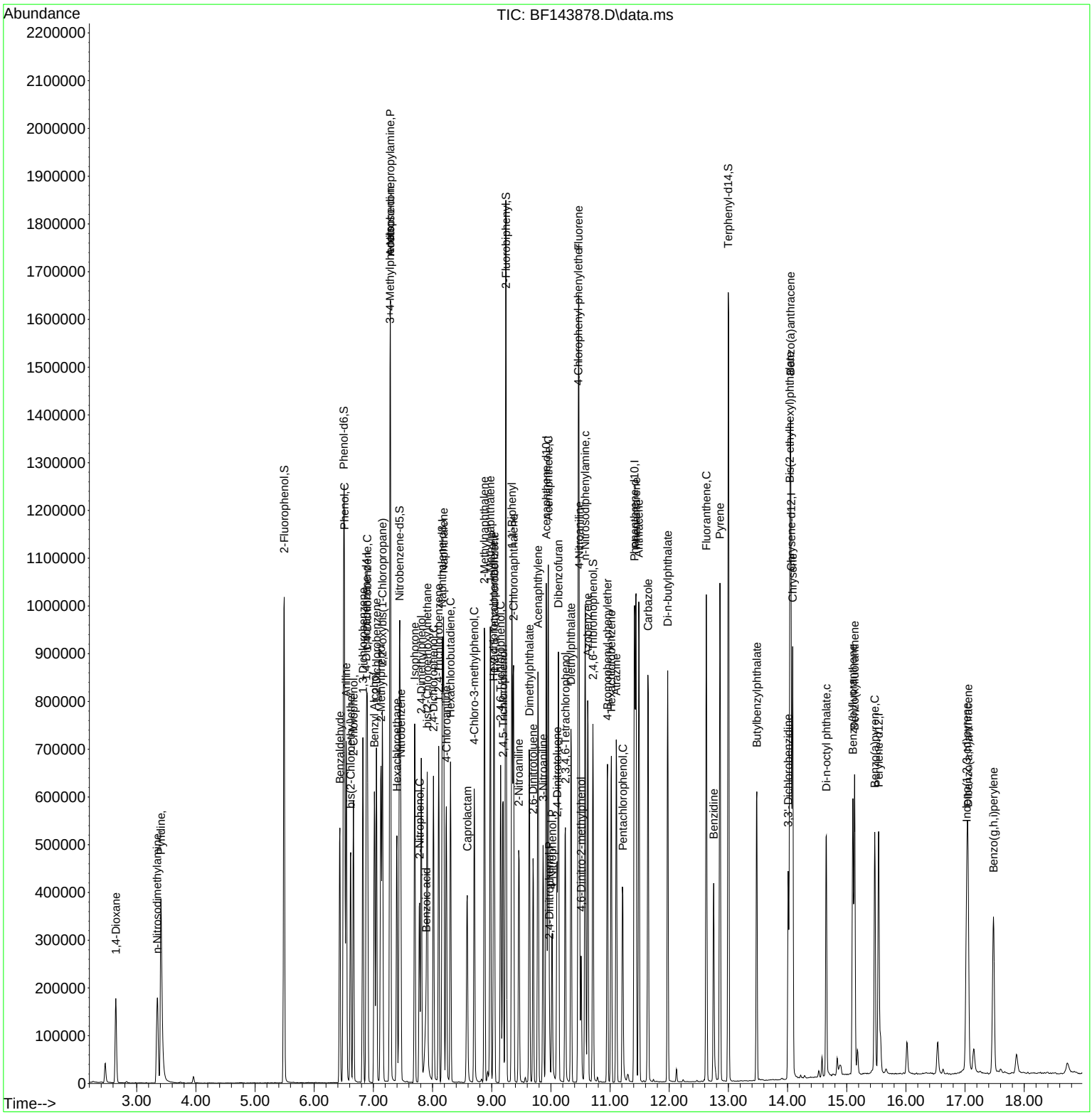
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

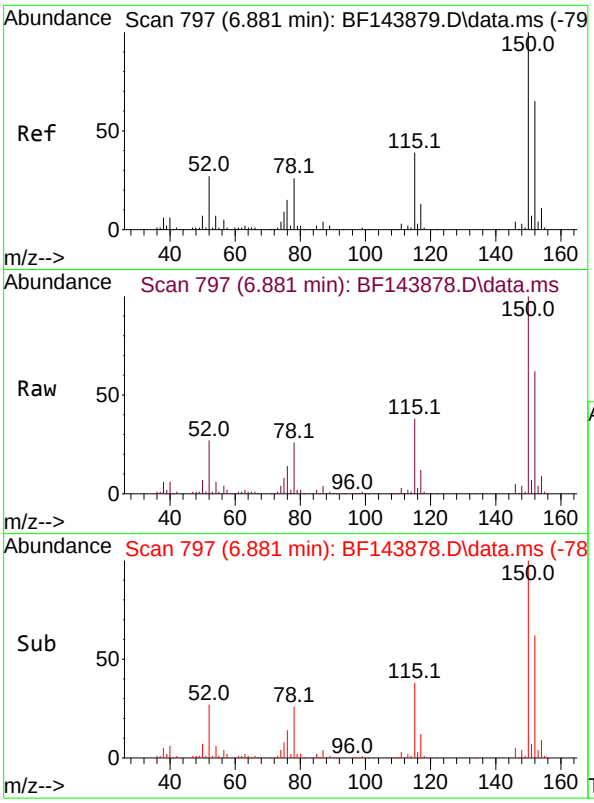
Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

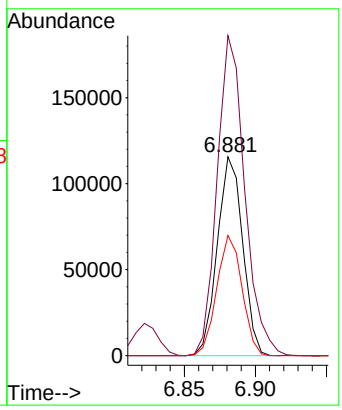




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:152 Resp: 144071

Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.4	186.6
115	60.4	48.1	72.1



Instrument :
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ClientSampleId :
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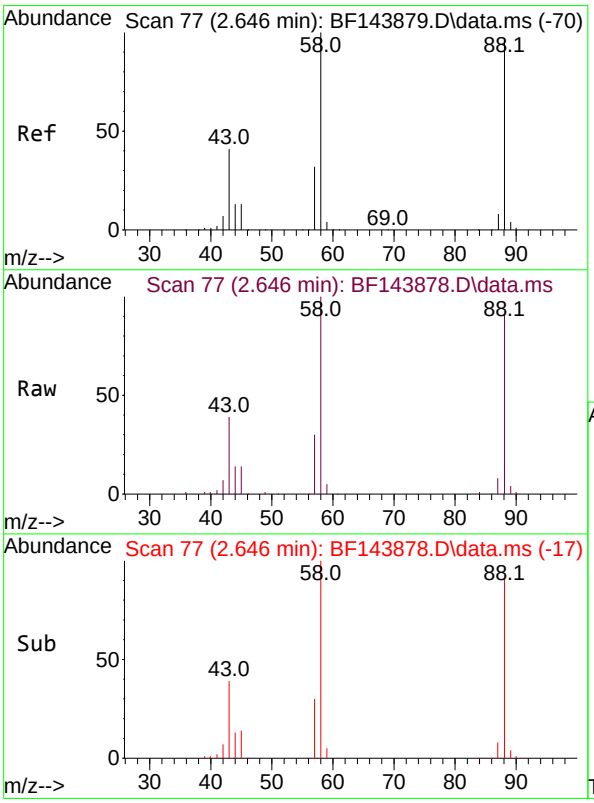
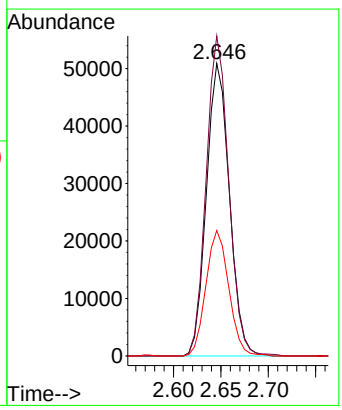
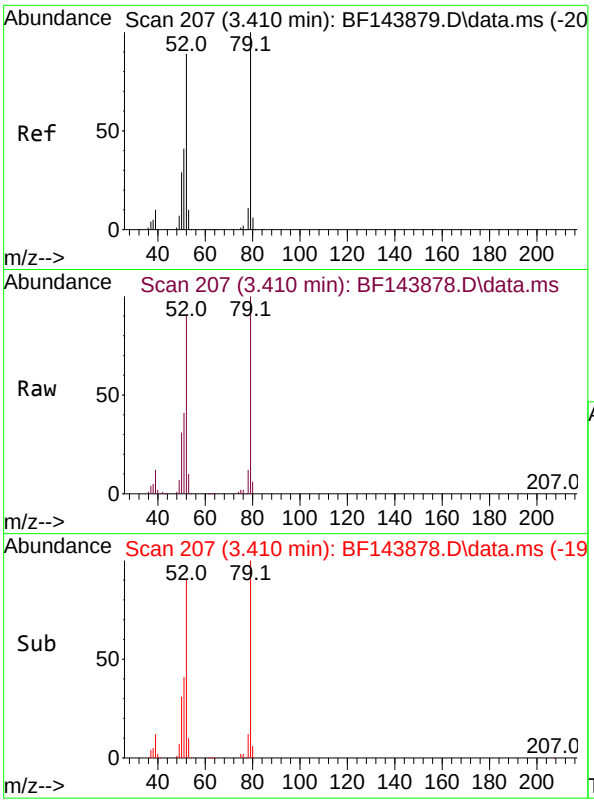


#2
1,4-Dioxane
Concen: 20.503 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 88 Resp: 86079

Ion	Ratio	Lower	Upper
88	100		
58	107.3	83.0	124.6
43	42.6	33.9	50.9

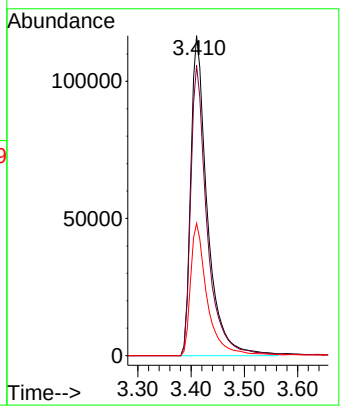




#3
Pyridine
Concen: 20.618 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 79 Resp: 25198

Ion	Ratio	Lower	Upper
79	100		
52	90.7	71.5	107.3
51	41.3	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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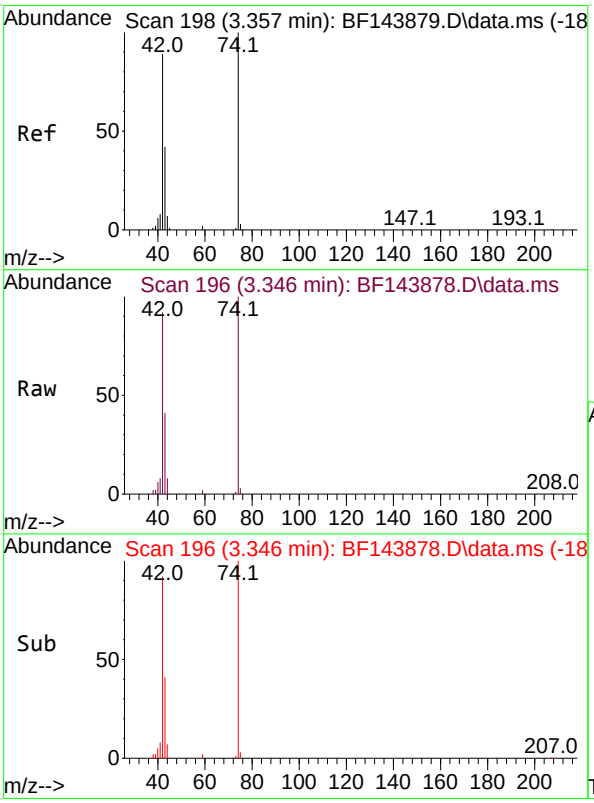
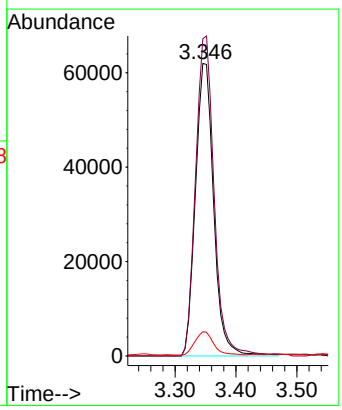
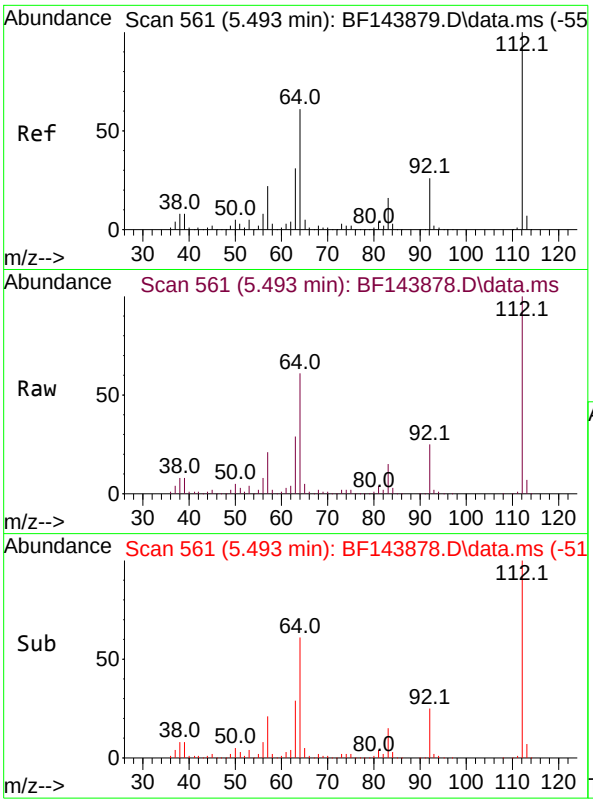


#4
n-Nitrosodimethylamine
Concen: 20.051 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.041 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 42 Resp: 128915

Ion	Ratio	Lower	Upper
42	100		
74	108.5	90.0	135.0
44	8.2	6.2	9.2

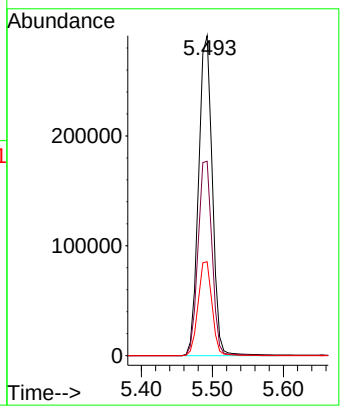




#5
2-Fluorophenol
Concen: 42.947 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:112 Resp: 38964

Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.1	73.7
63	29.3	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
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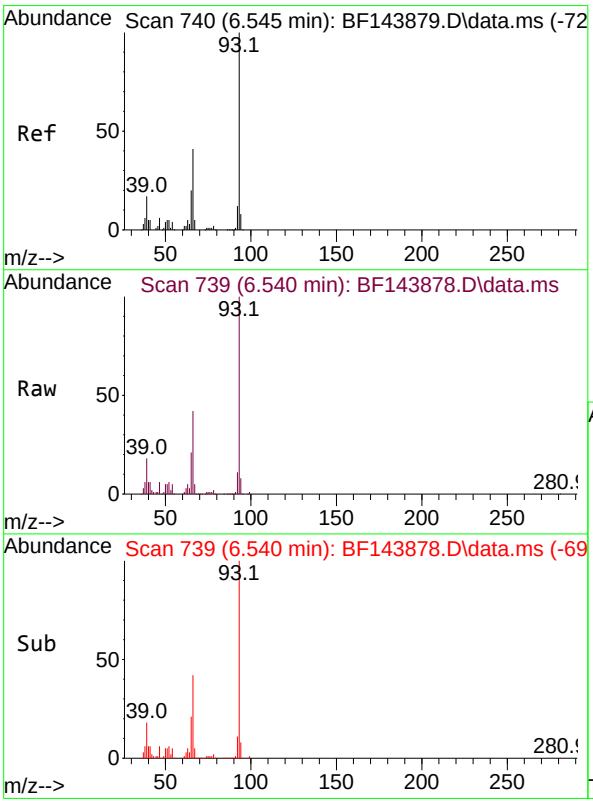
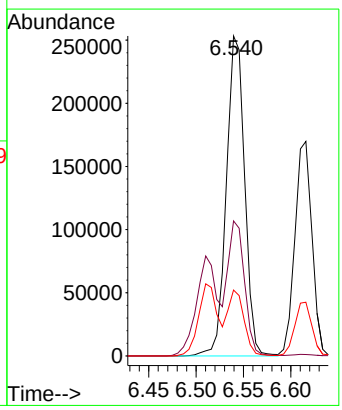
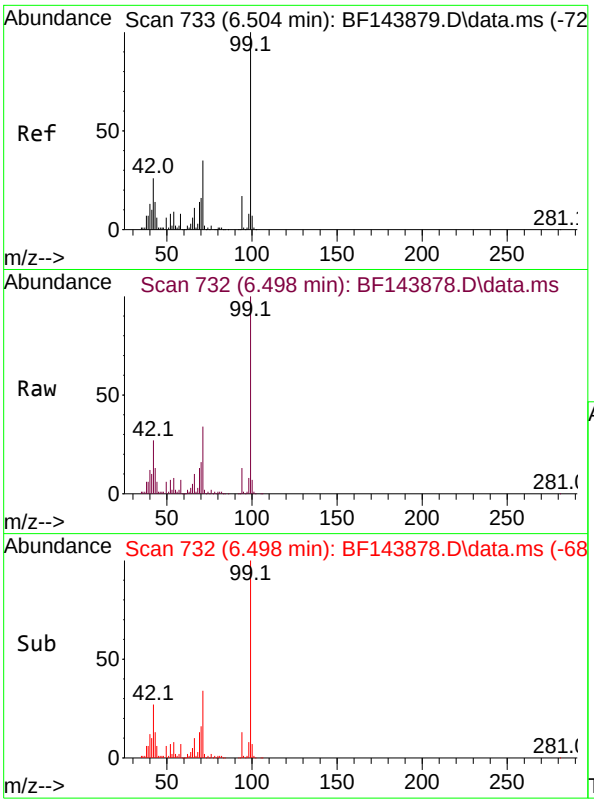


#6
Aniline
Concen: 20.994 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 340202

Ion	Ratio	Lower	Upper
93	100		
66	42.2	33.0	49.6
65	20.6	15.8	23.8

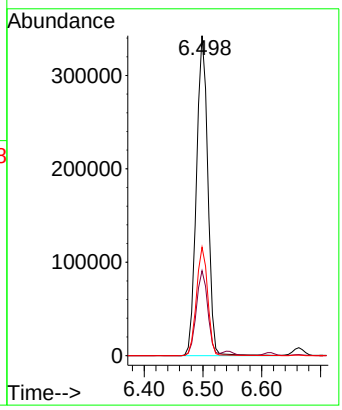




#7
Phenol-d6
Concen: 42.670 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 99 Resp: 46143

Ion	Ratio	Lower	Upper
99	100		
42	26.5	21.0	31.4
71	33.9	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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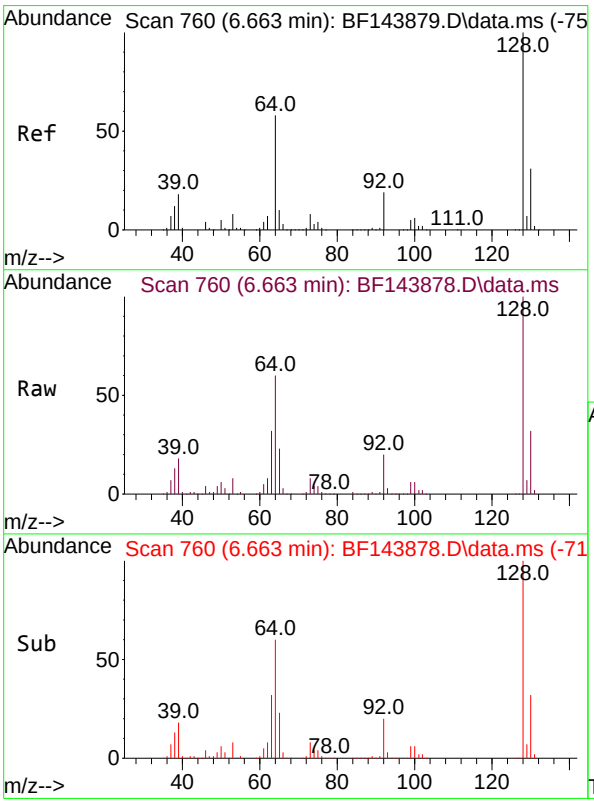
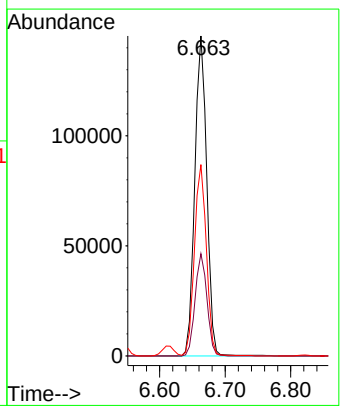
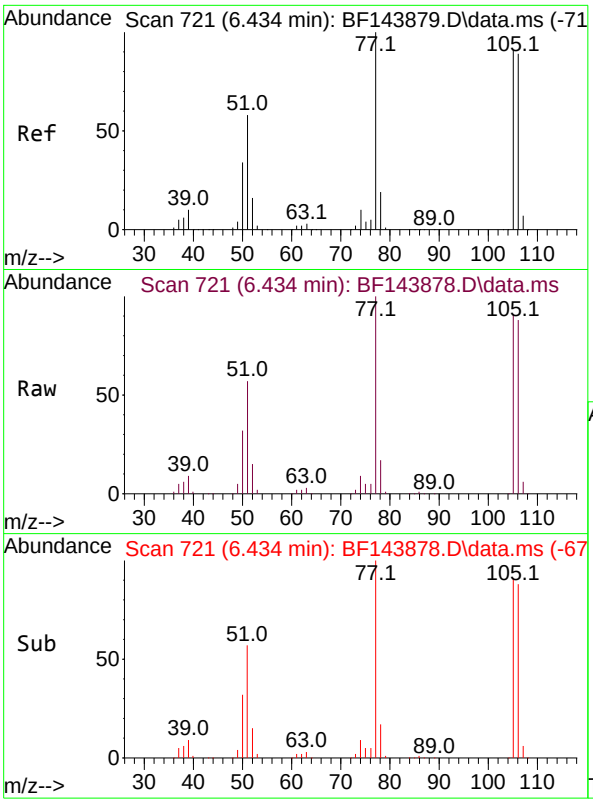


#8
2-Chlorophenol
Concen: 20.704 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:128 Resp: 183611

Ion	Ratio	Lower	Upper
128	100		
130	31.9	10.7	50.7
64	59.8	39.0	79.0

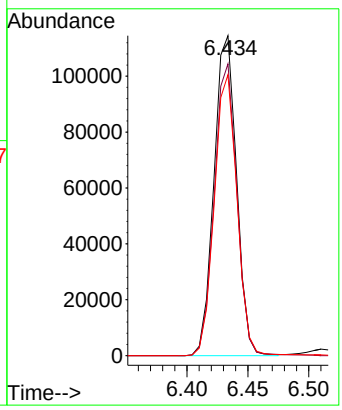




#9
Benzaldehyde
Concen: 17.715 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 14778

Ion	Ratio	Lower	Upper
77	100		
105	91.2	70.9	110.9
106	87.8	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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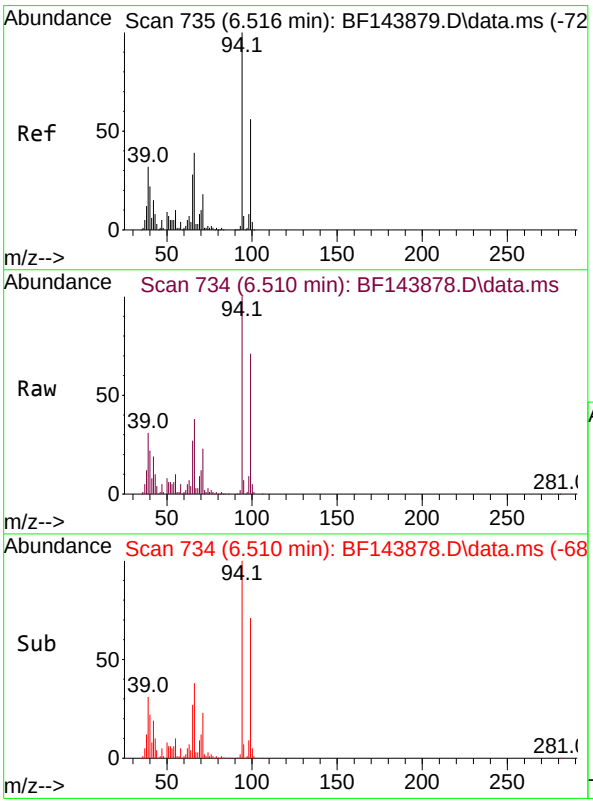
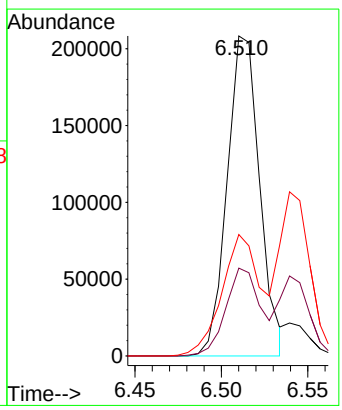
Supervised By :Jagrut Upadhyay 10/07/2025

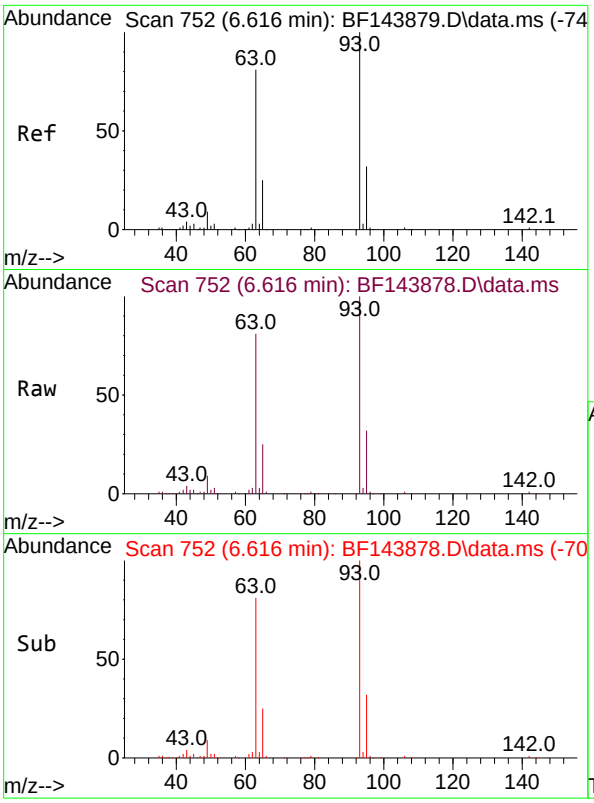


#10
Phenol
Concen: 21.046 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 94 Resp: 272100

Ion	Ratio	Lower	Upper
94	100		
65	27.4	8.5	48.5
66	37.9	19.9	59.9

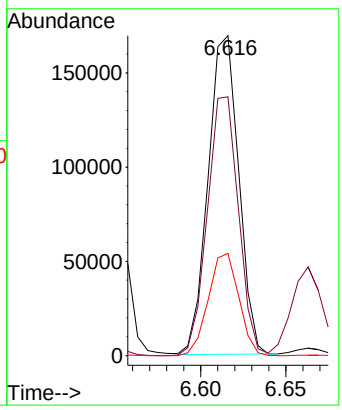




#11
bis(2-Chloroethyl)ether
Concen: 21.157 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 21129

Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.9	100.9
95	31.9	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
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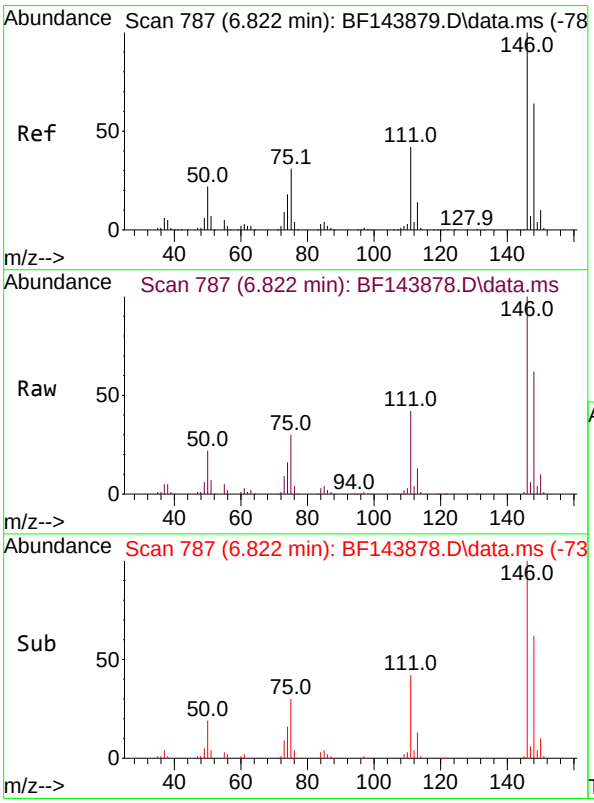
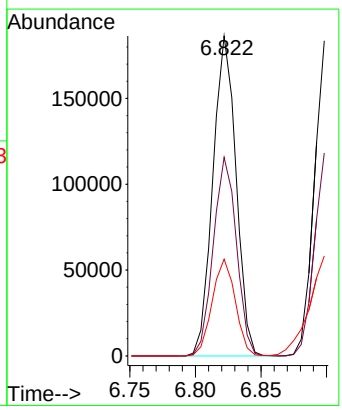
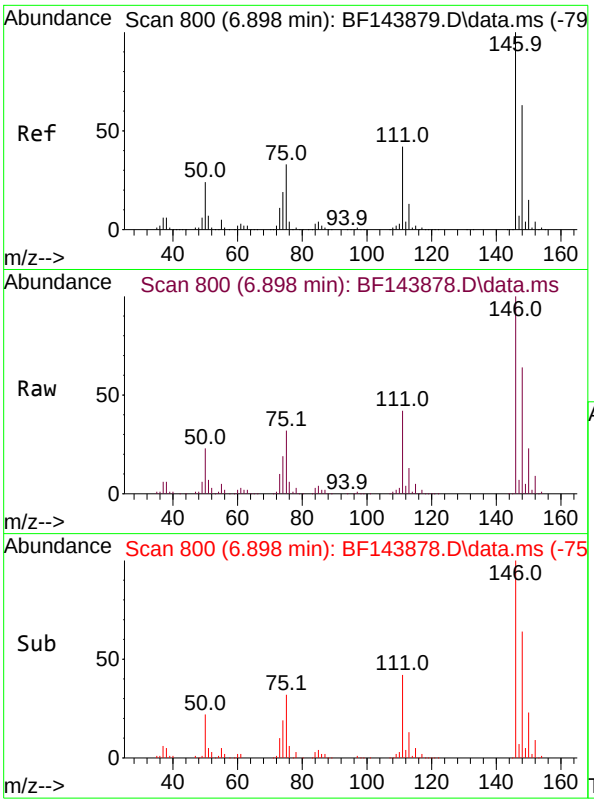


#12
1,3-Dichlorobenzene
Concen: 21.566 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 228938

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.0	76.4
75	30.2	24.9	37.3

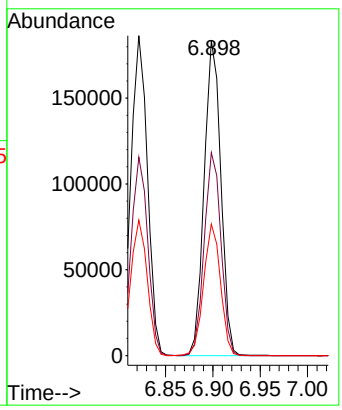




#13
1,4-Dichlorobenzene
Concen: 21.554 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 22570

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
111	41.8	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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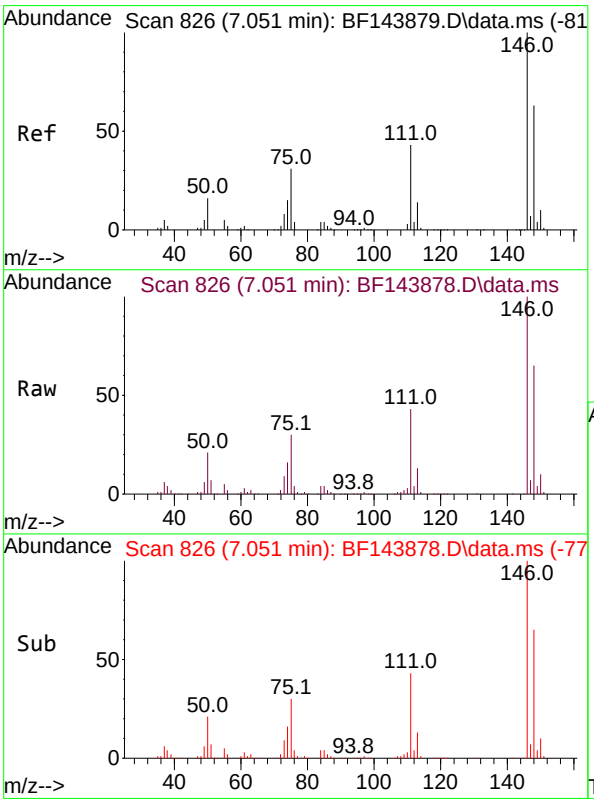
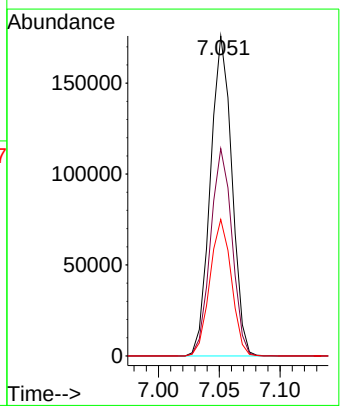
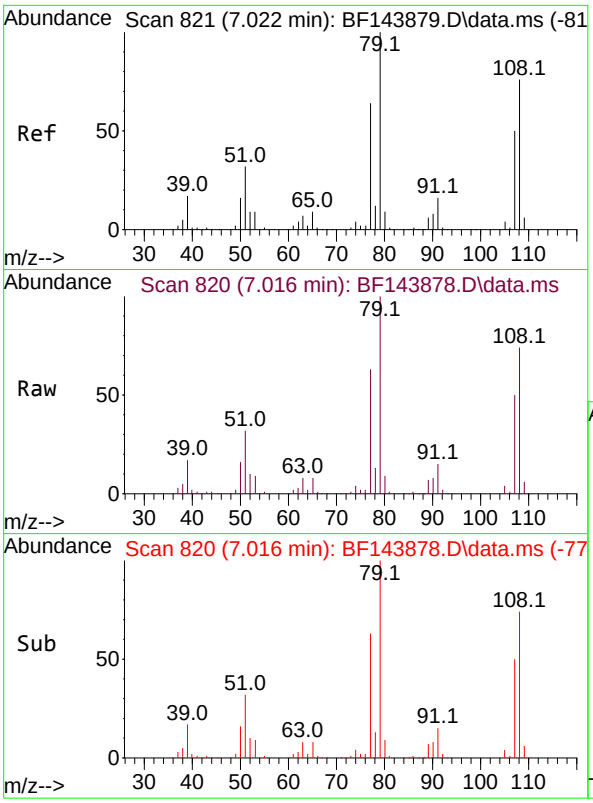


#14
1,2-Dichlorobenzene
Concen: 21.555 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 216196

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.6	75.8
111	42.6	34.6	51.8

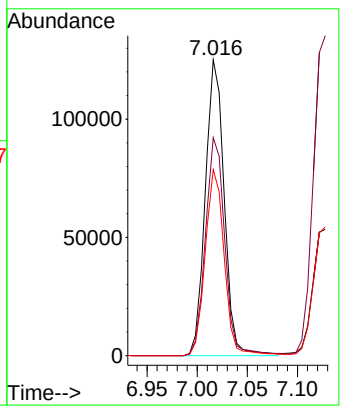




#15
Benzyl Alcohol
Concen: 20.241 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 79 Resp: 16400

Ion	Ratio	Lower	Upper
79	100		
108	73.6	60.8	91.2
77	62.9	51.0	76.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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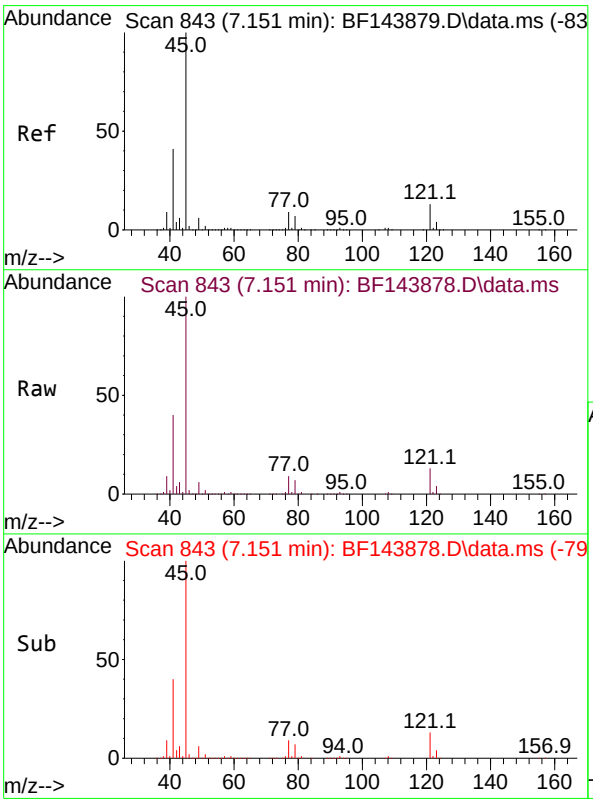
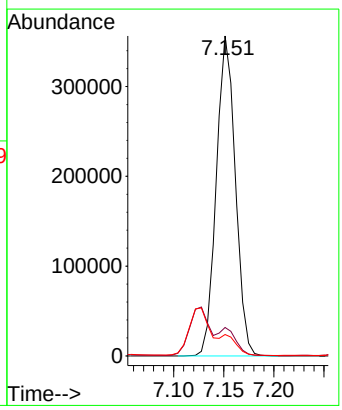
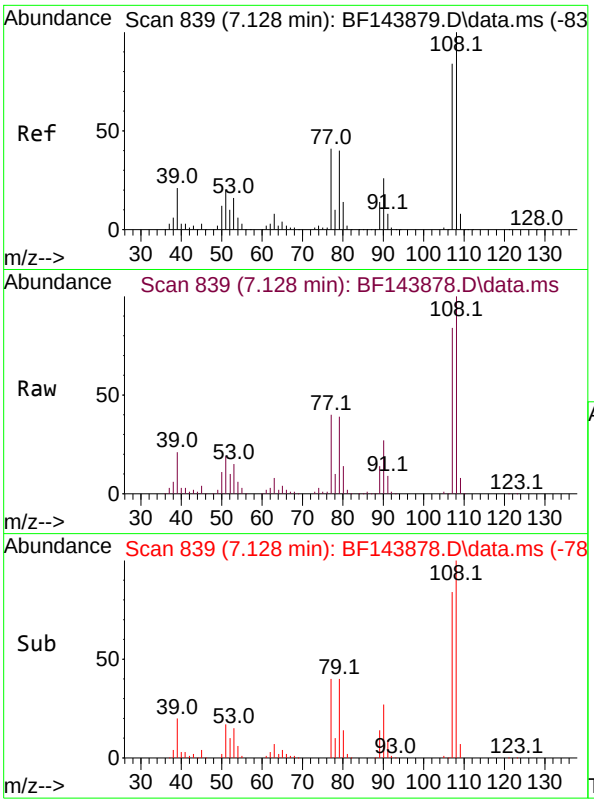


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.745 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 45 Resp: 471598

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	29.0
79	6.7	0.0	26.8

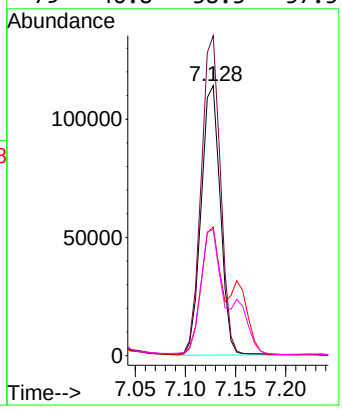




#17
2-Methylphenol
Concen: 20.616 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 151099

Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	47.6	38.8	58.2
79	46.8	38.3	57.5



Instrument :
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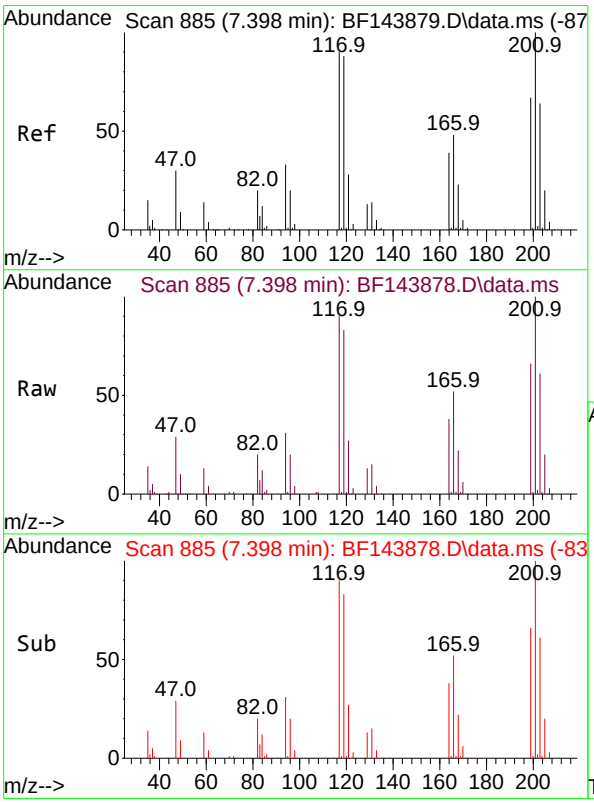
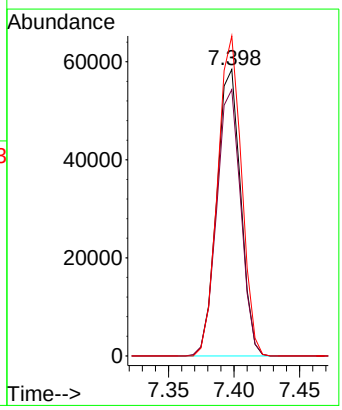
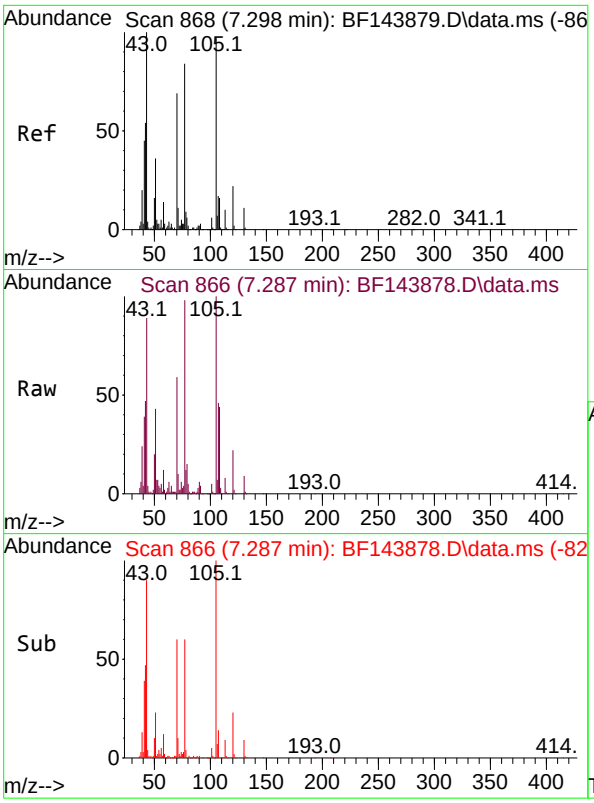


#18
Hexachloroethane
Concen: 21.232 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:117 Resp: 74147

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.8	116.8
201	111.7	88.5	132.7

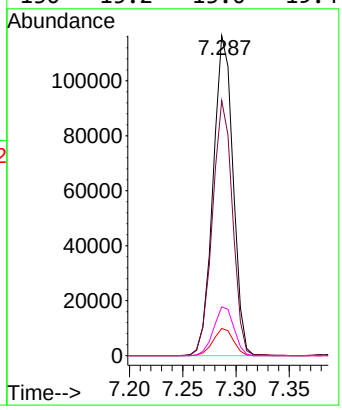




#19
n-Nitroso-di-n-propylamine
Concen: 20.512 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 70 Resp: 15183

Ion	Ratio	Lower	Upper
70	100		
42	79.7	62.8	94.2
101	8.5	6.7	10.1
130	15.2	13.0	19.4



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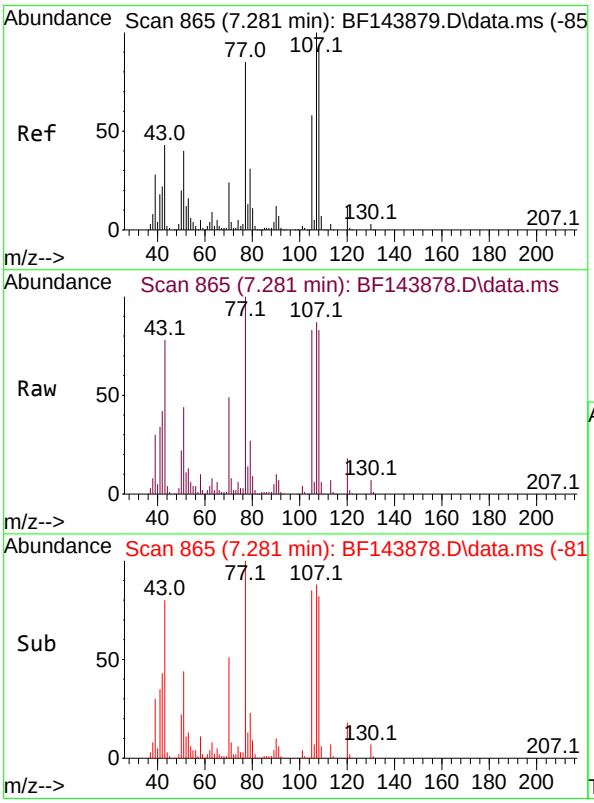
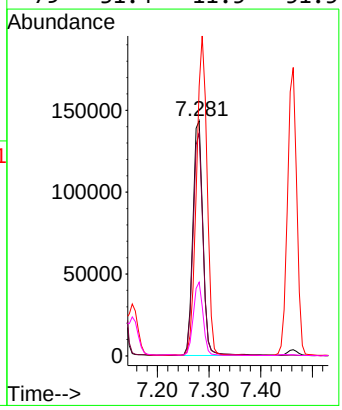
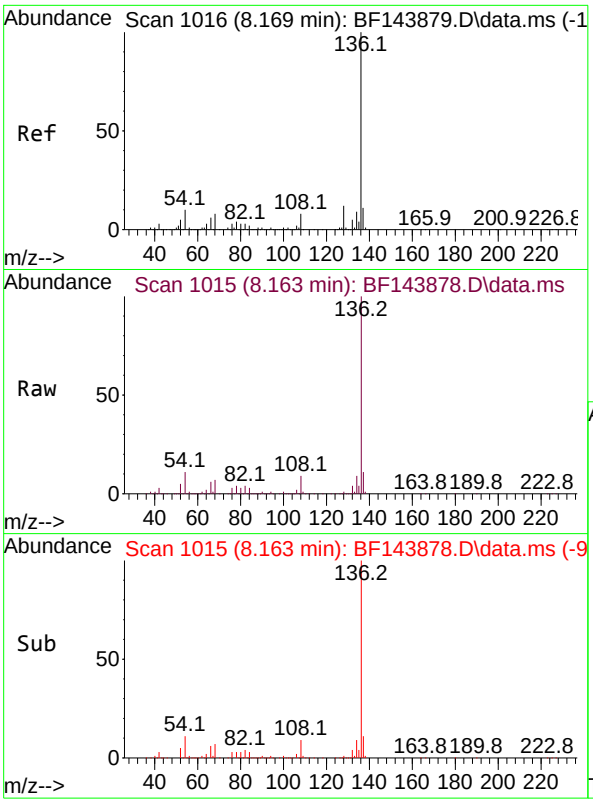


#20
3+4-Methylphenols
Concen: 22.753 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 193273

Ion	Ratio	Lower	Upper
107	100		
108	94.8	73.0	113.0
77	114.7	64.6	104.6#
79	31.4	11.5	51.5

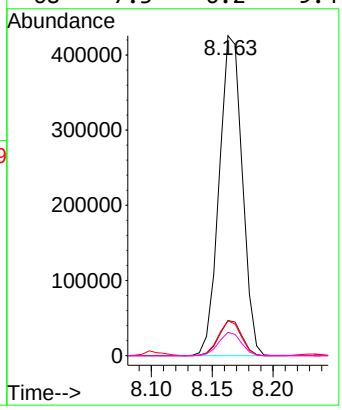




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:136 Resp: 56177

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.9	8.2	12.4
68	7.3	6.2	9.4



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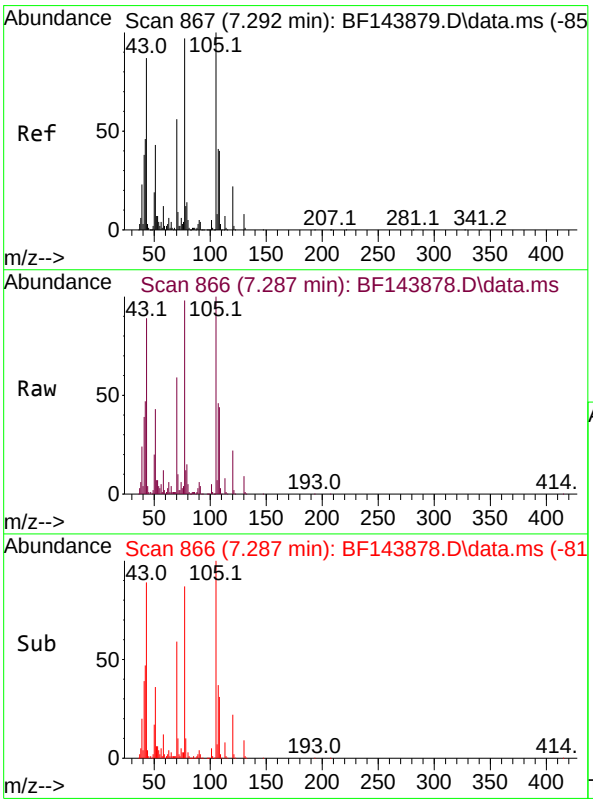
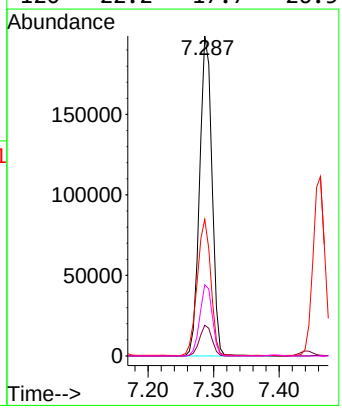
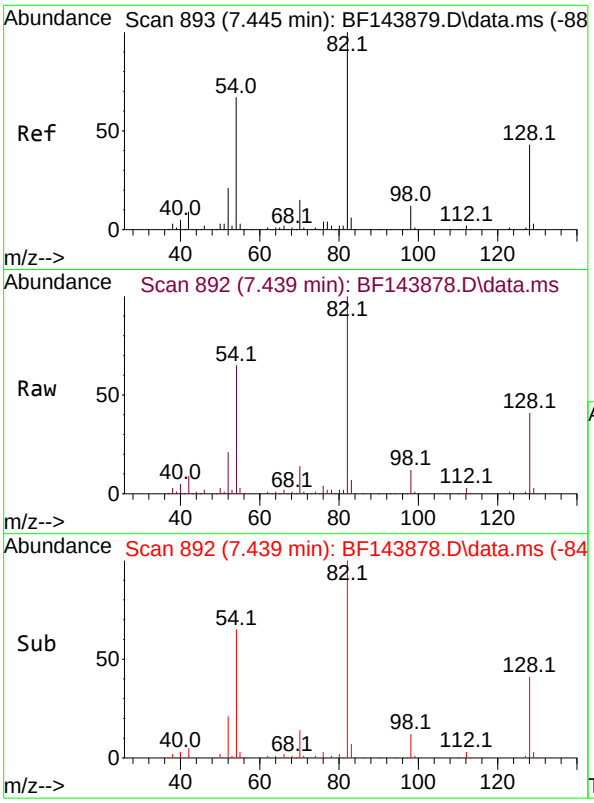


#22
Acetophenone
Concen: 21.837 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:105 Resp: 259382

Ion	Ratio	Lower	Upper
105	100		
71	9.6	7.4	11.0
51	42.6	34.2	51.4
120	22.2	17.7	26.5

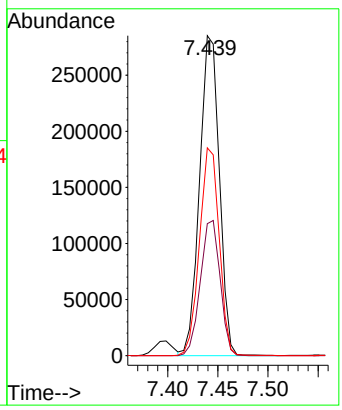




#23
Nitrobenzene-d5
Concen: 42.133 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 82 Resp: 389584

Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.0	51.0
54	64.9	53.2	79.8



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ClientSampleId :
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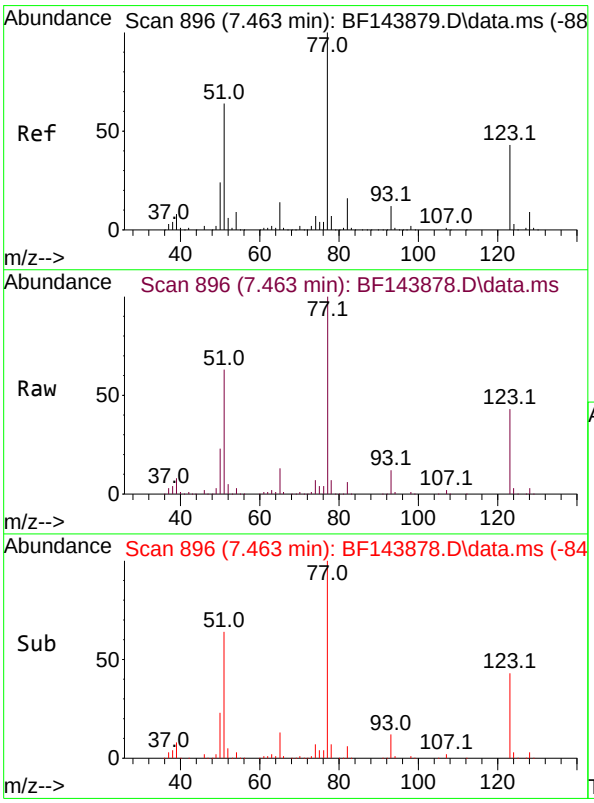
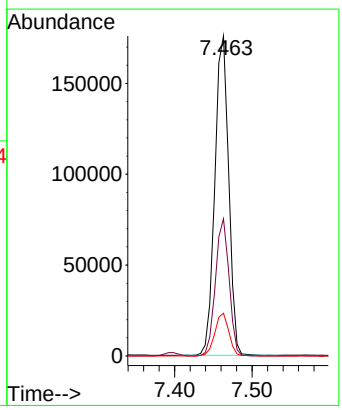
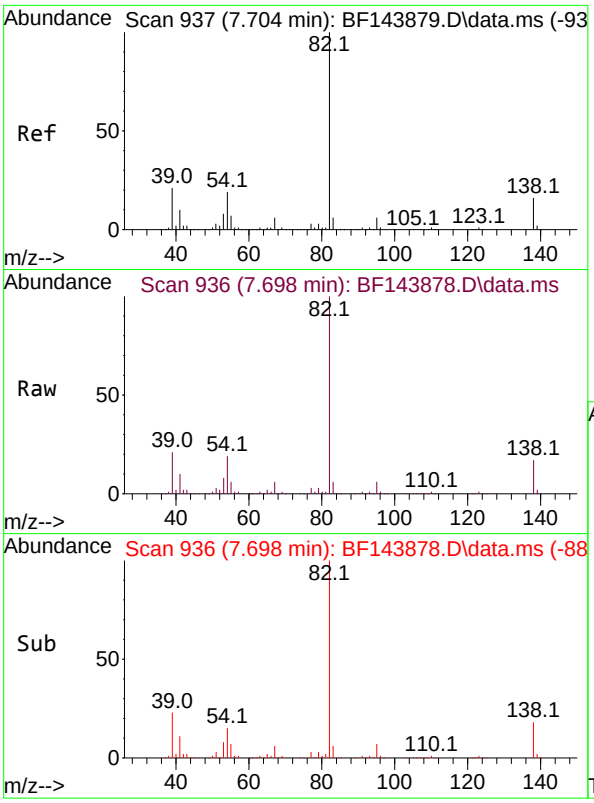


#24
Nitrobenzene
Concen: 21.279 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 218497

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.2	51.4
65	13.3	11.0	16.6

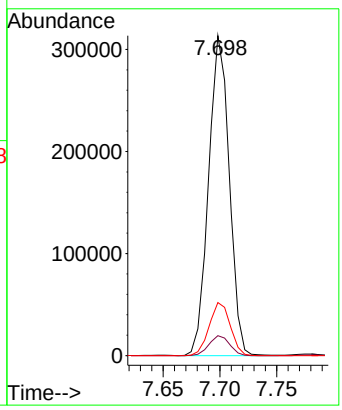




#25
Isophorone
Concen: 20.393 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 82 Resp: 39760

Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.1	7.7
138	16.6	12.9	19.3



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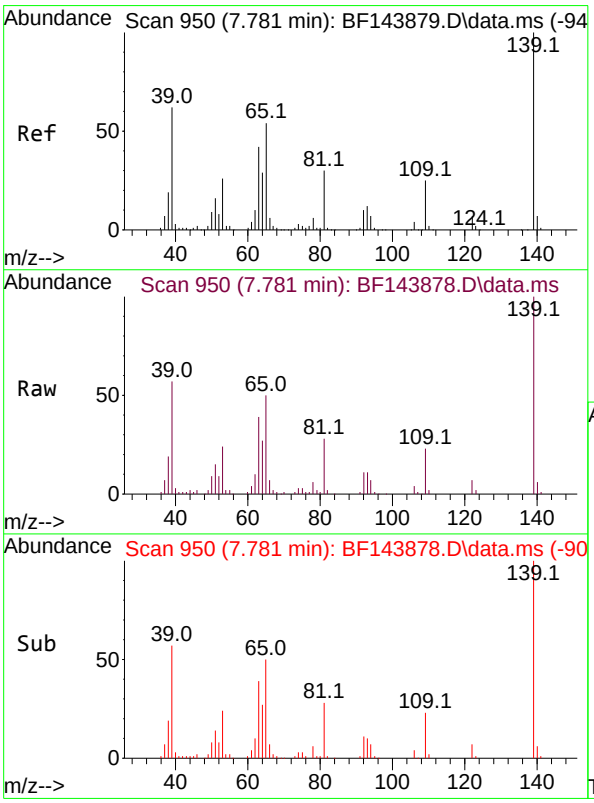
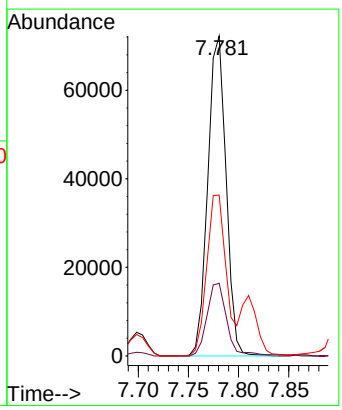
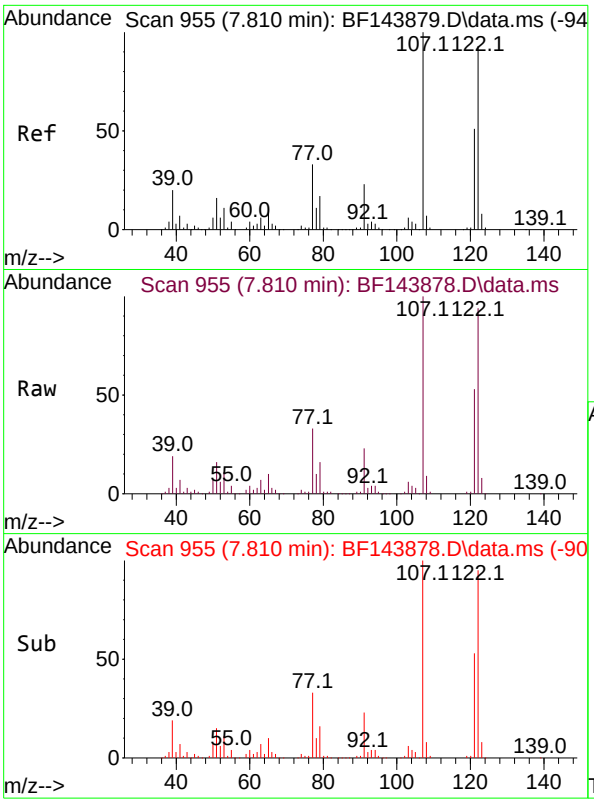


#26
2-Nitrophenol
Concen: 20.747 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:139 Resp: 91336

Ion	Ratio	Lower	Upper
139	100		
109	22.7	19.8	29.6
65	50.3	42.9	64.3

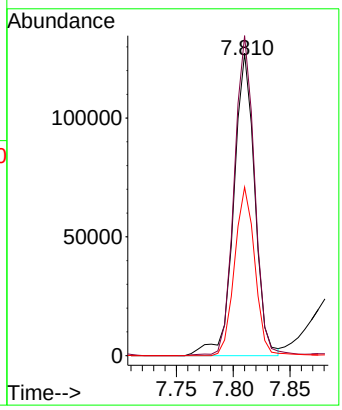




#27
2,4-Dimethylphenol
Concen: 20.682 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:122 Resp: 16378

Ion	Ratio	Lower	Upper
122	100		
107	105.9	86.1	129.1
121	55.8	43.8	65.6



Instrument :
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ClientSampleId :
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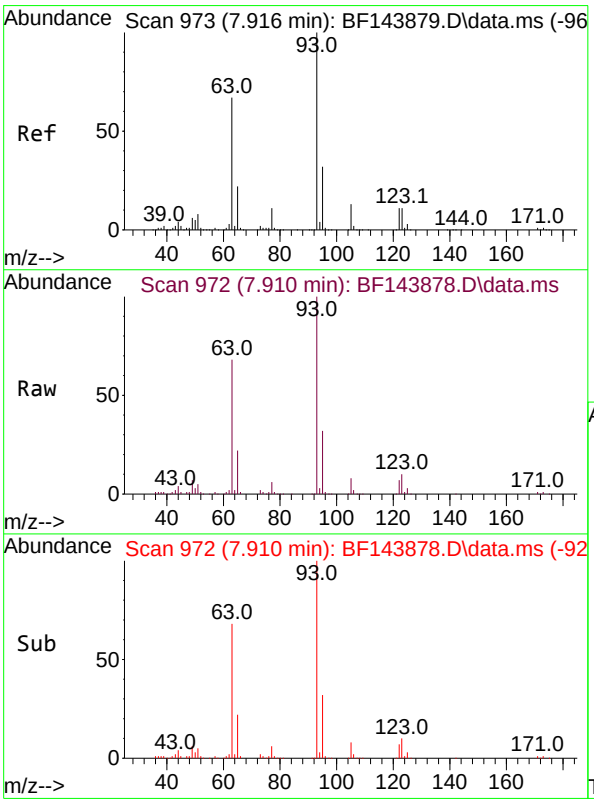
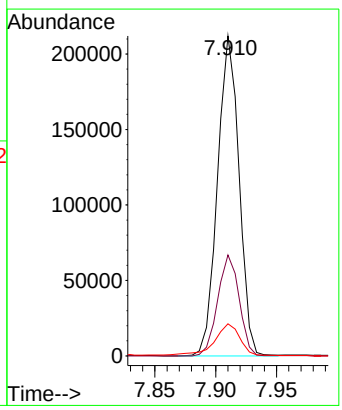
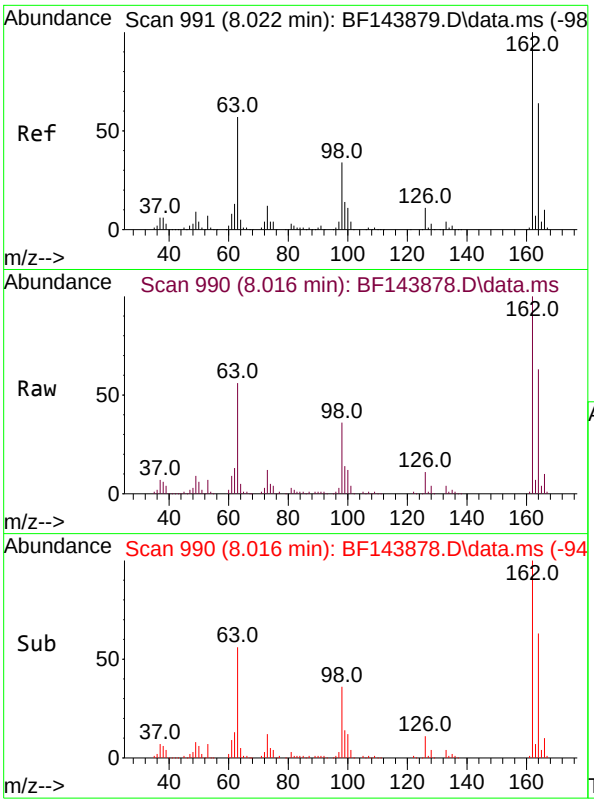


#28
bis(2-Chloroethoxy)methane
Concen: 21.131 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 260252

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.9	38.9
123	10.0	9.4	14.0

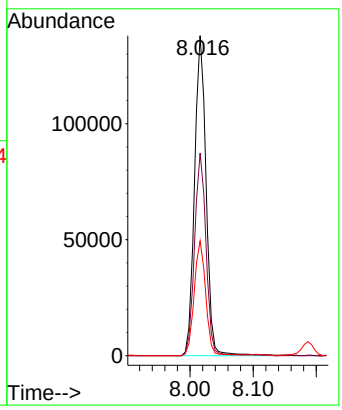




#29
2,4-Dichlorophenol
Concen: 21.328 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:162 Resp: 17593

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.9	83.9
98	35.9	14.4	54.4



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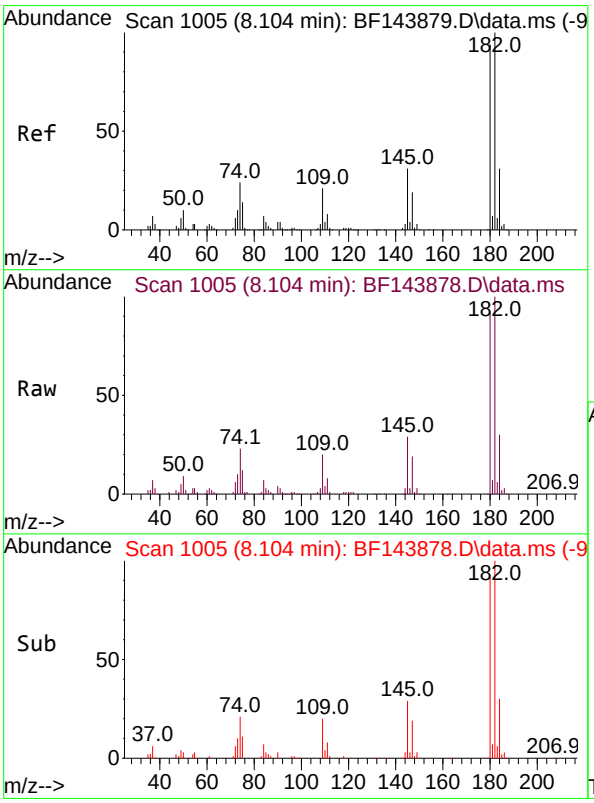
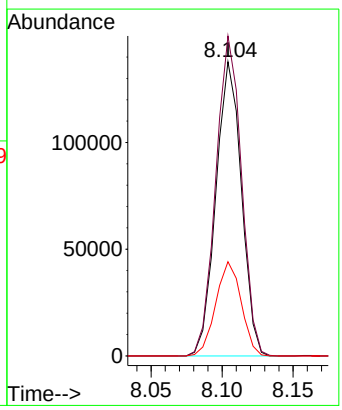
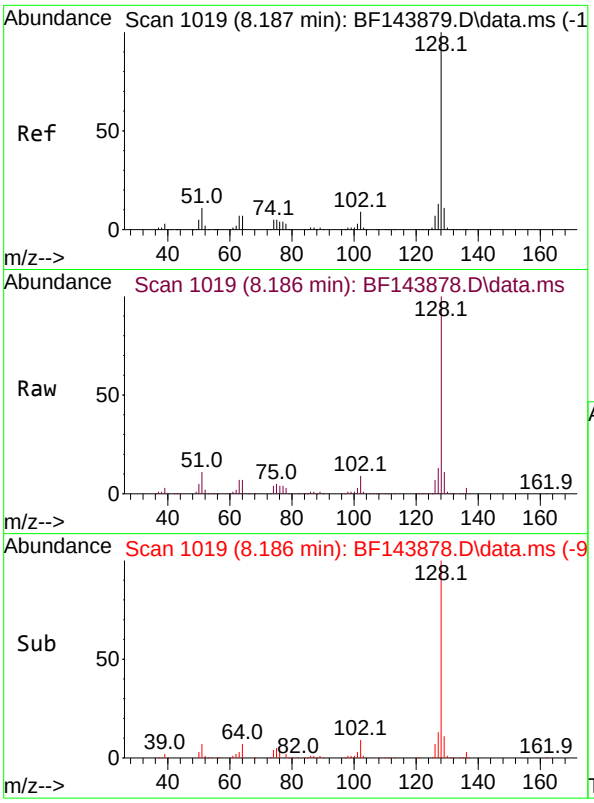


#30
1,2,4-Trichlorobenzene
Concen: 21.234 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:180 Resp: 172265

Ion	Ratio	Lower	Upper
180	100		
182	108.8	85.4	128.0
145	32.0	26.3	39.5

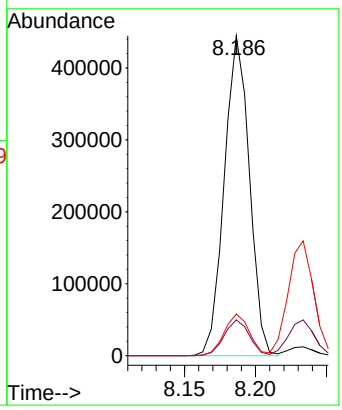




#31
Naphthalene
Concen: 21.365 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:128 Resp: 54597

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.0	15.0



Instrument :
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ClientSampleId :
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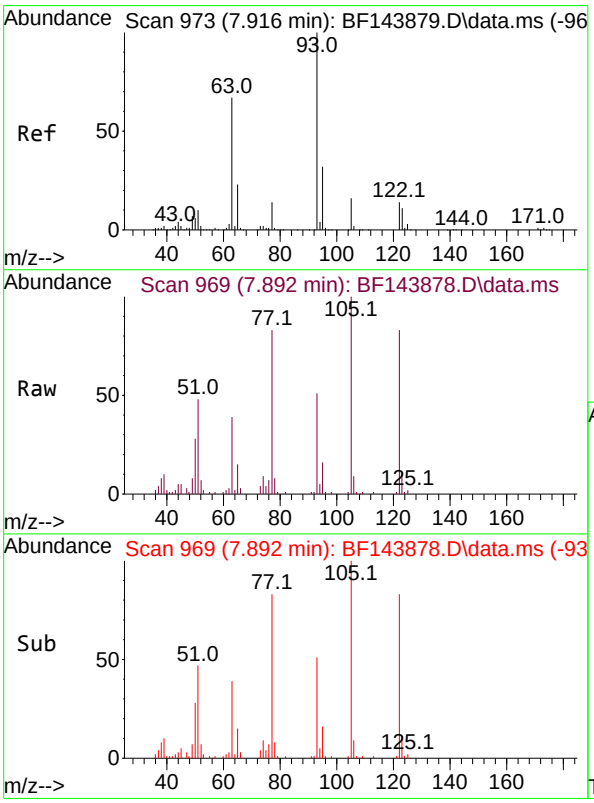
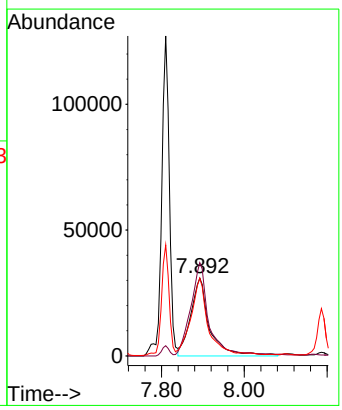
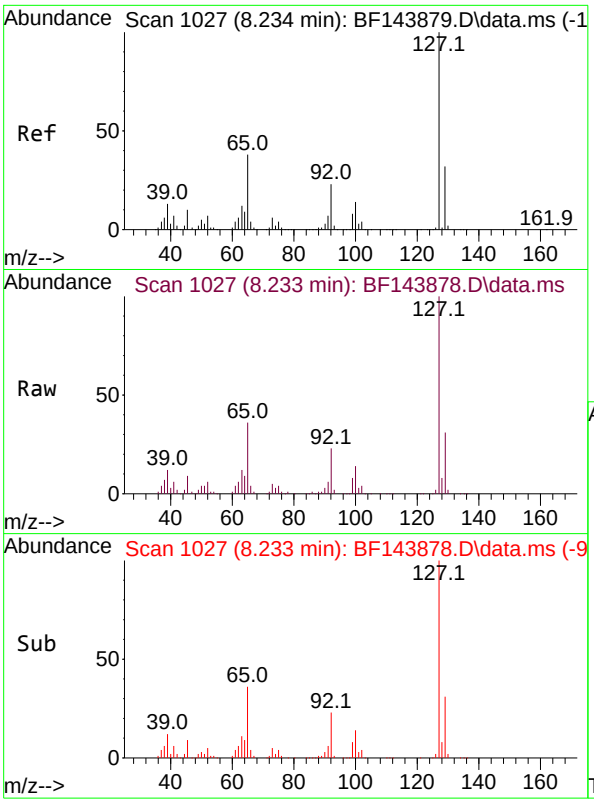


#32
Benzoic acid
Concen: 17.912 ng m
RT: 7.892 min Scan# 969
Delta R.T. -0.071 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:122 Resp: 98172

Ion	Ratio	Lower	Upper
122	100		
105	120.1	93.5	133.5
77	100.0	76.3	116.3

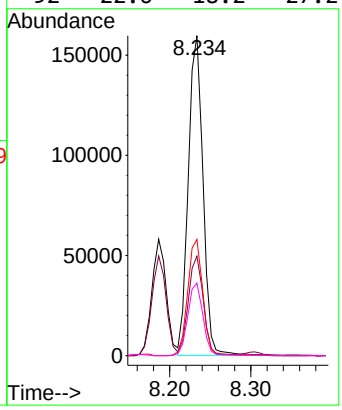




#33
4-Chloroaniline
Concen: 20.924 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:127 Resp: 20054

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.8	38.8
65	36.3	30.0	45.0
92	22.6	18.2	27.2



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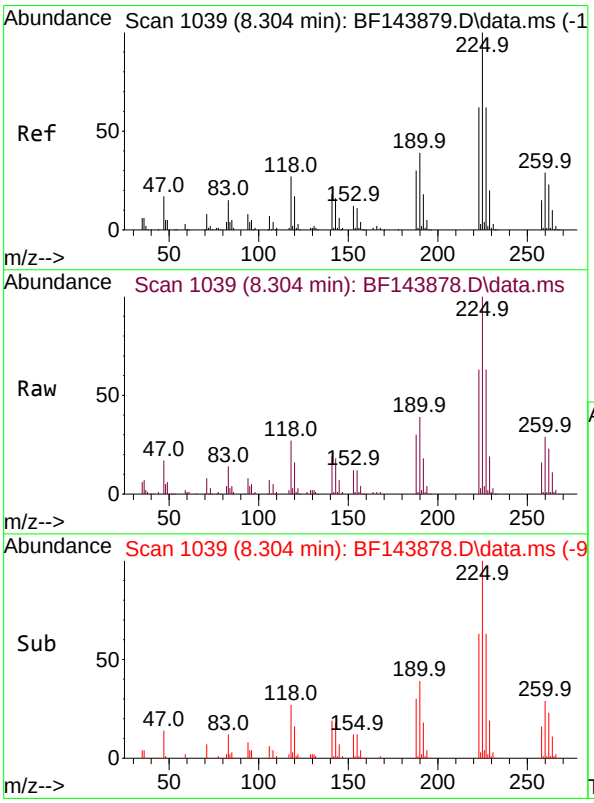
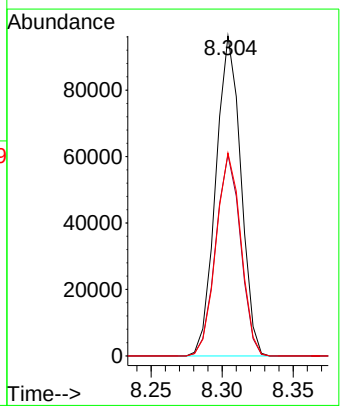
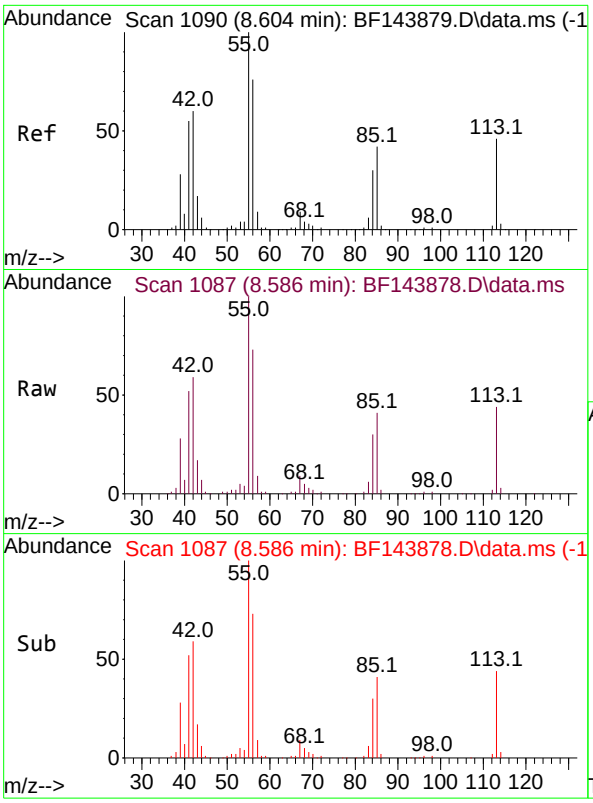


#34
Hexachlorobutadiene
Concen: 20.941 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:225 Resp: 118056

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.4	74.2
227	63.4	49.7	74.5

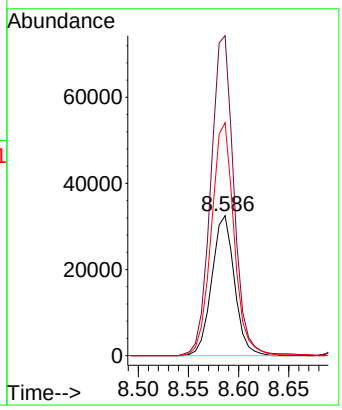




#35
Caprolactam
Concen: 19.505 ng
RT: 8.586 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:113 Resp: 5115

Ion	Ratio	Lower	Upper
113	100		
55	228.6	199.6	239.6
56	166.4	146.0	186.0



Instrument :
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ClientSampleId :
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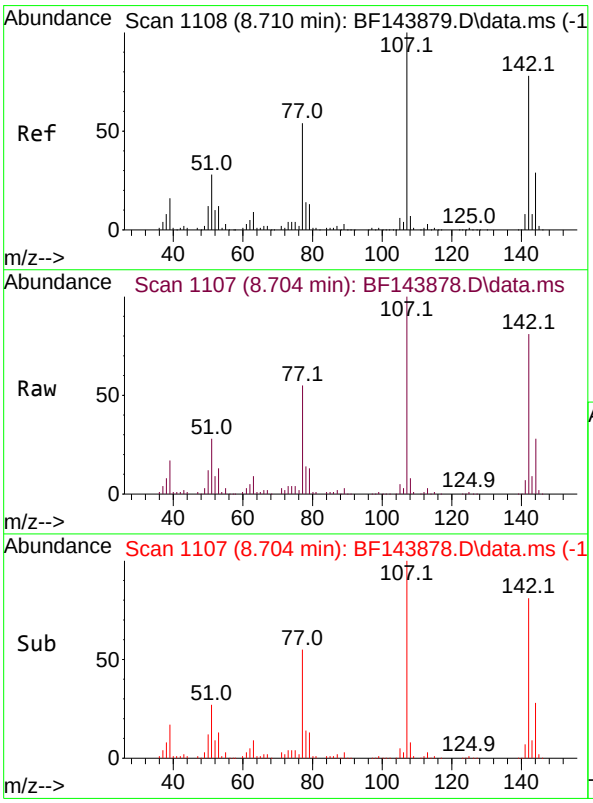
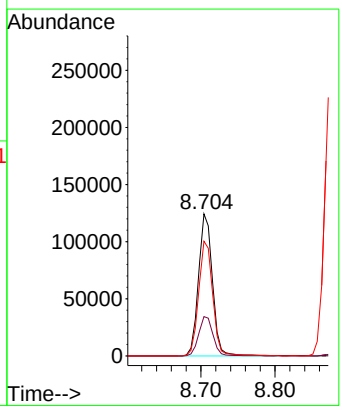
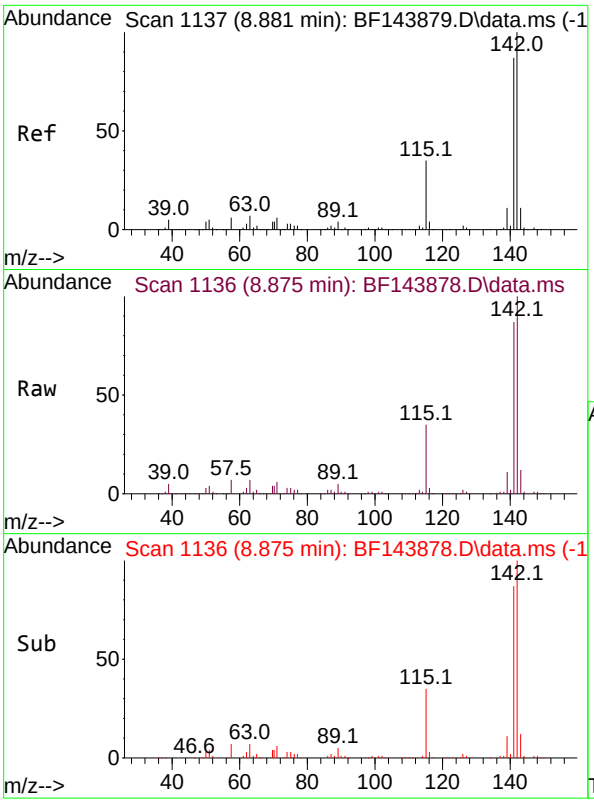


#36
4-Chloro-3-methylphenol
Concen: 20.524 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 162629

Ion	Ratio	Lower	Upper
107	100		
144	27.7	23.1	34.7
142	80.8	62.6	94.0

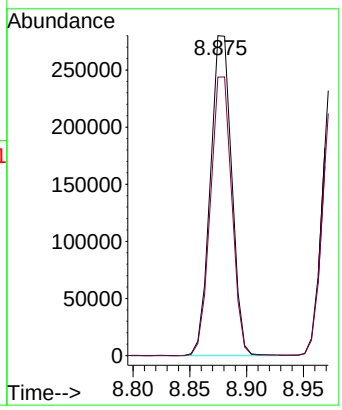




#37
2-Methylnaphthalene
Concen: 21.583 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:142 Resp: 36740

Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.2	103.8



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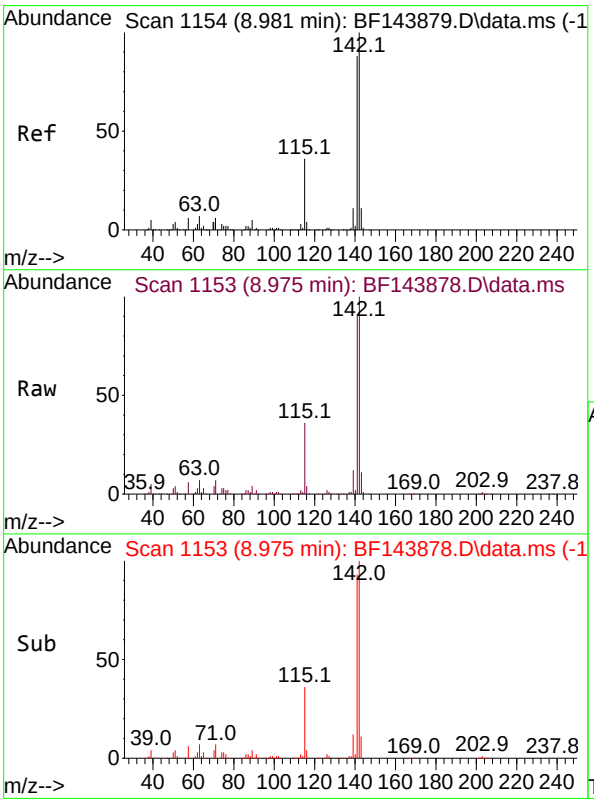
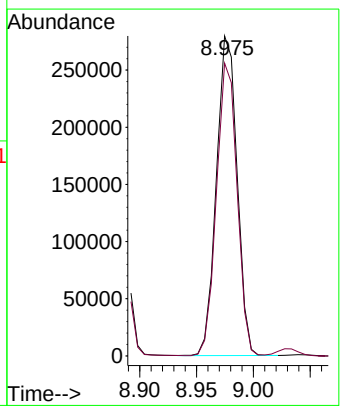
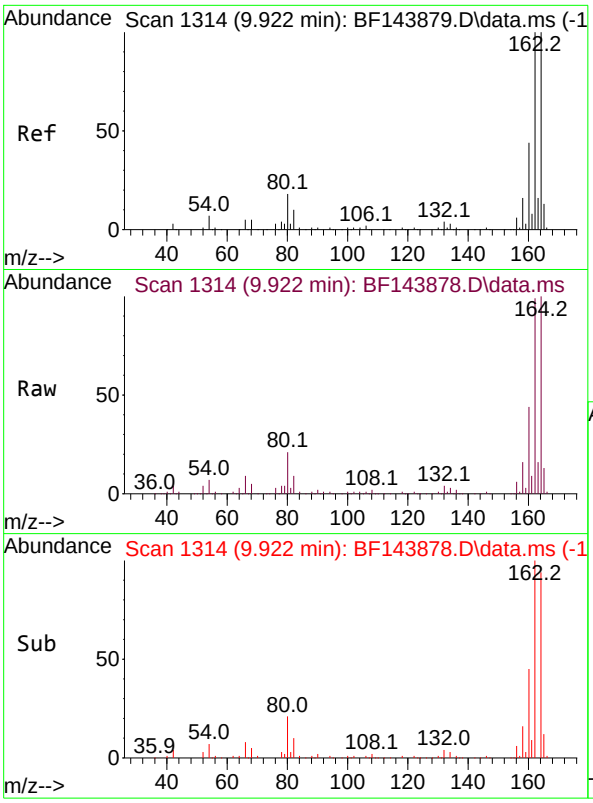


#38
1-Methylnaphthalene
Concen: 21.407 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:142 Resp: 353459

Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.8	106.2

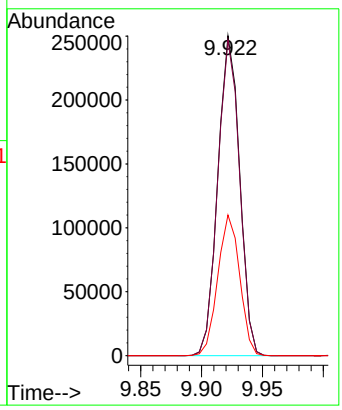




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:164 Resp: 31129

Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.2	120.2
160	43.9	35.4	53.0



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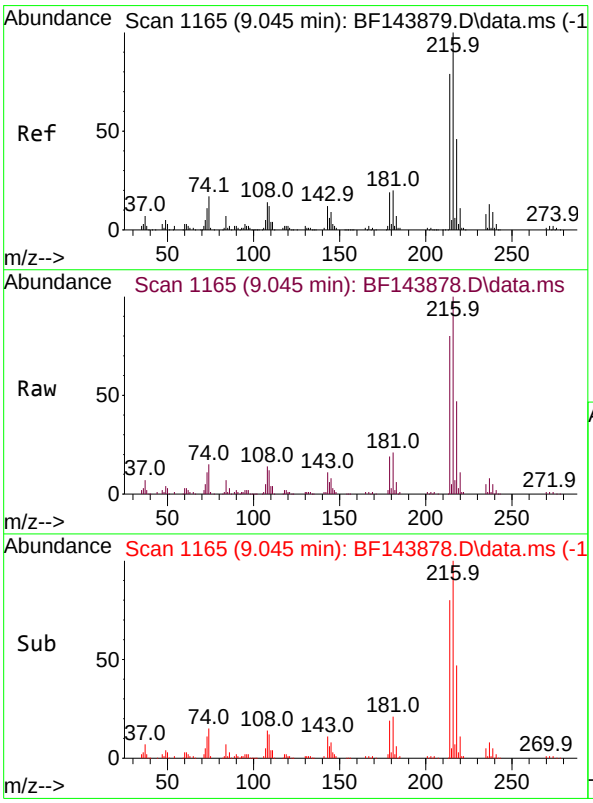
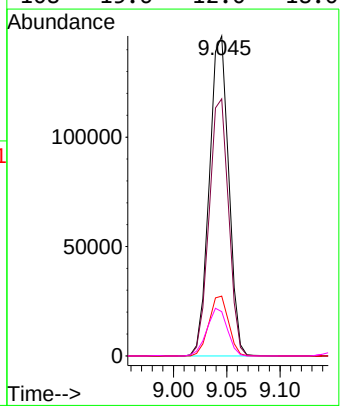
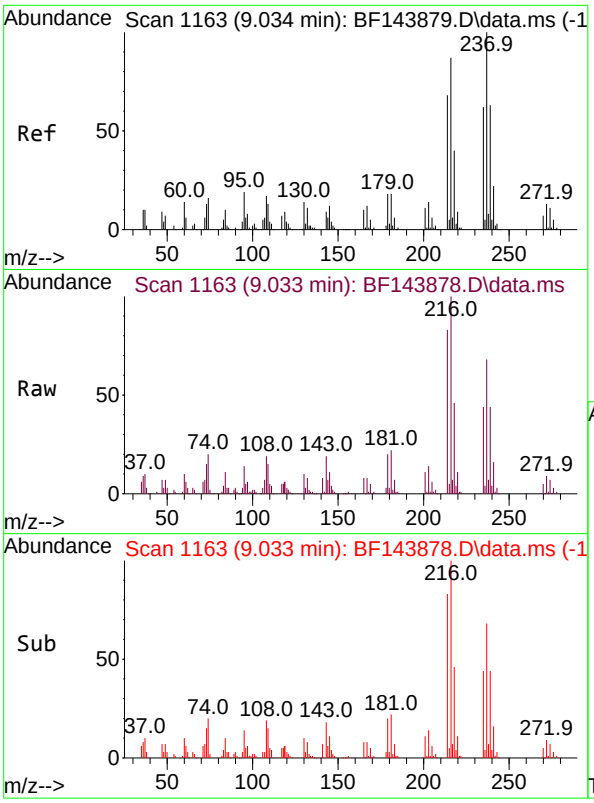


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.523 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:216 Resp: 185181

Ion	Ratio	Lower	Upper
216	100		
214	80.8	62.6	94.0
179	18.9	15.4	23.0
108	15.6	12.0	18.0

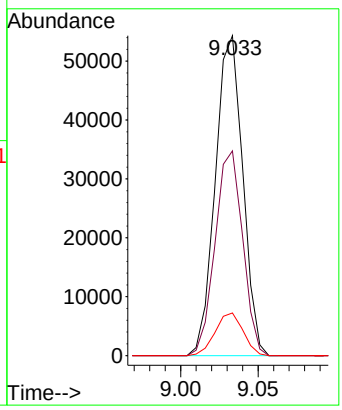




#41
Hexachlorocyclopentadiene
Concen: 18.807 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:237 Resp: 6712

Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.3	82.3
272	13.4	0.0	33.1



Instrument :
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ClientSampleId :
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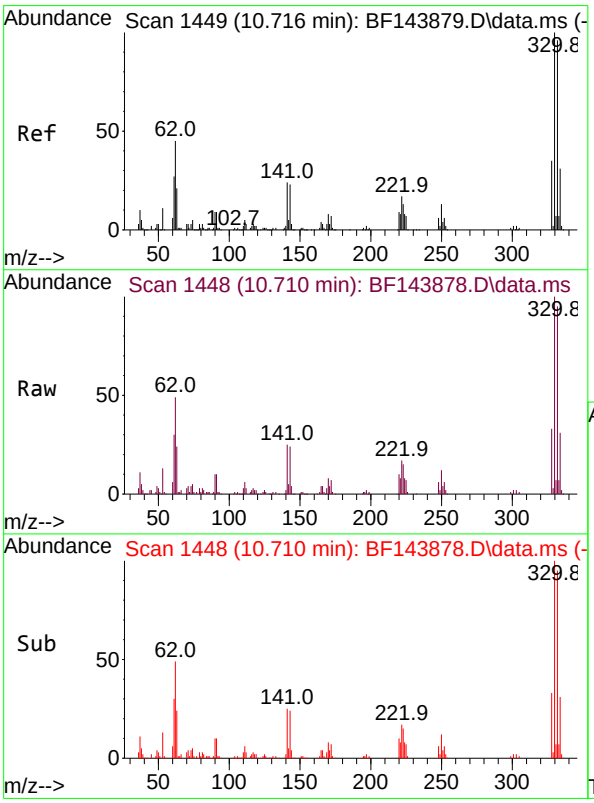
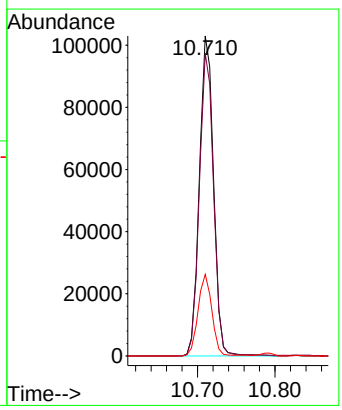
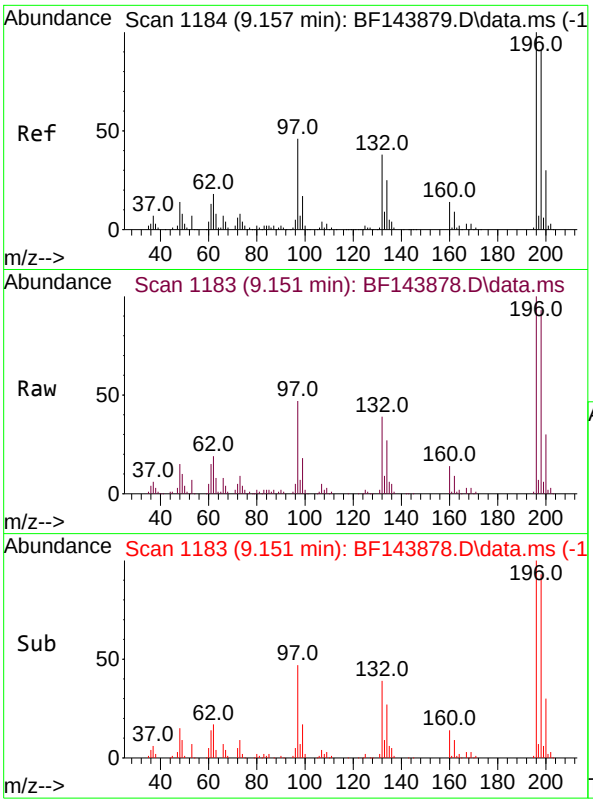


#42
2,4,6-Tribromophenol
Concen: 42.114 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:330 Resp: 130577

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.9	115.3
141	24.8	20.2	30.4

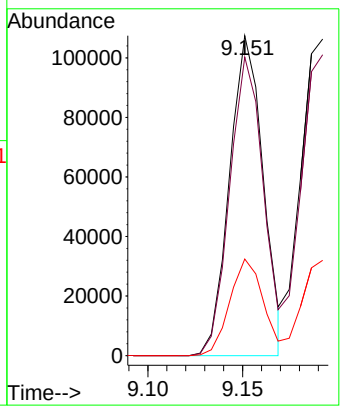




#43
2,4,6-Trichlorophenol
Concen: 21.116 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:196 Resp: 13274

Ion	Ratio	Lower	Upper
196	100		
198	93.3	72.8	109.2
200	30.2	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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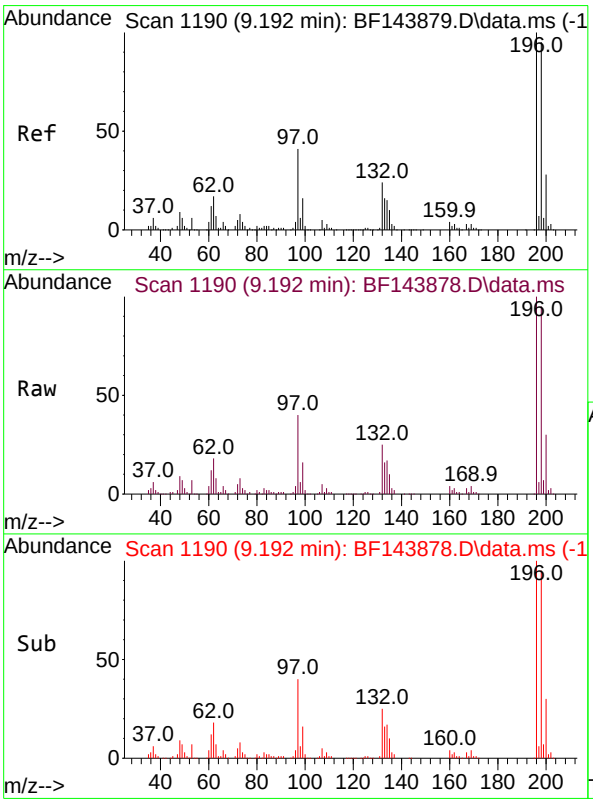
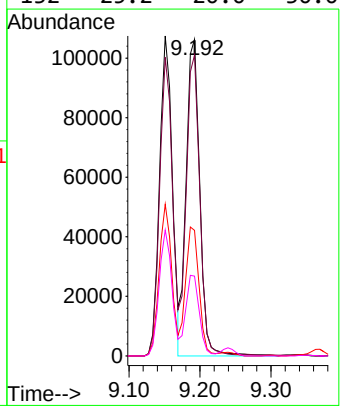
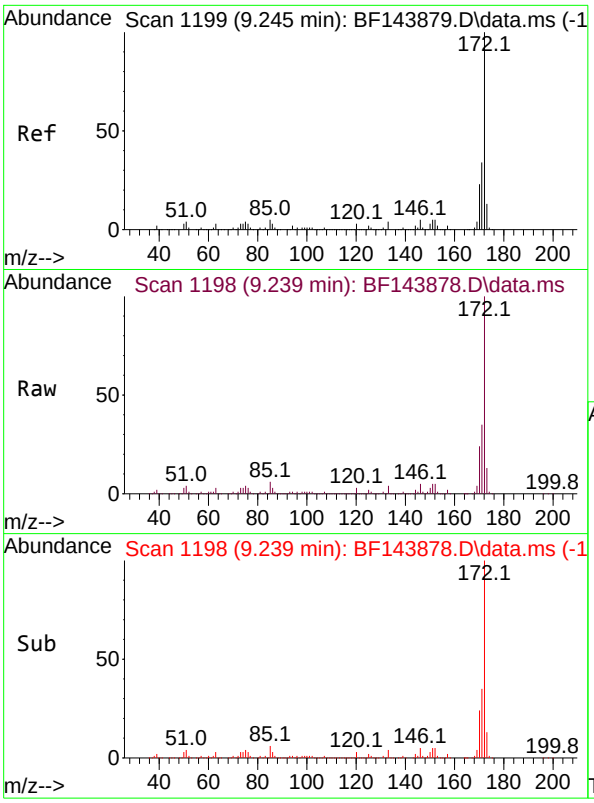


#44
2,4,5-Trichlorophenol
Concen: 21.532 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:196 Resp: 143043

Ion	Ratio	Lower	Upper
196	100		
198	95.0	75.5	113.3
97	39.6	33.9	50.9
132	25.2	20.0	30.0

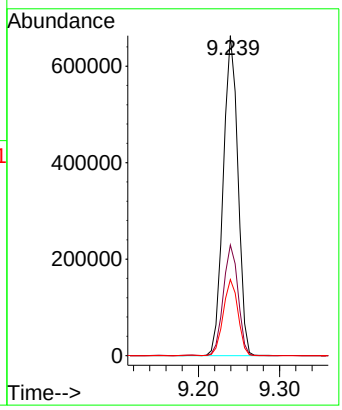




#45
2-Fluorobiphenyl
Concen: 42.367 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:172 Resp: 83118

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
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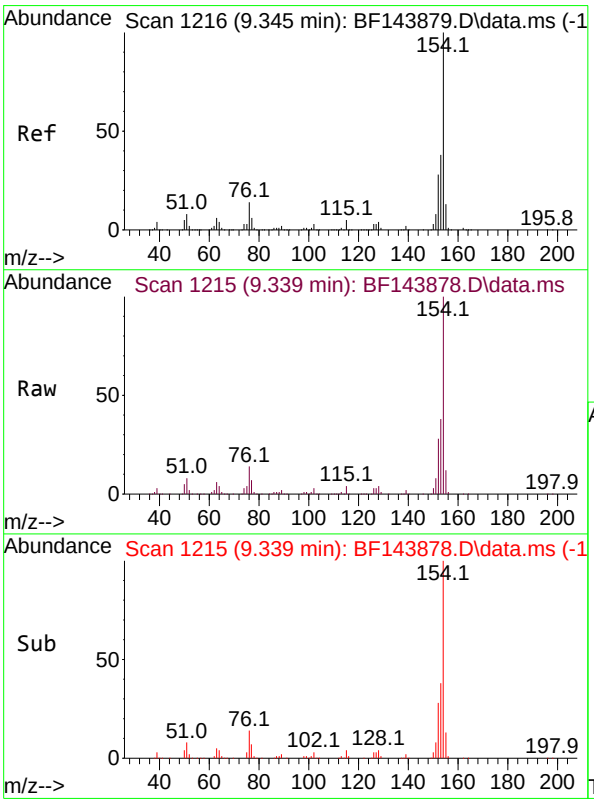
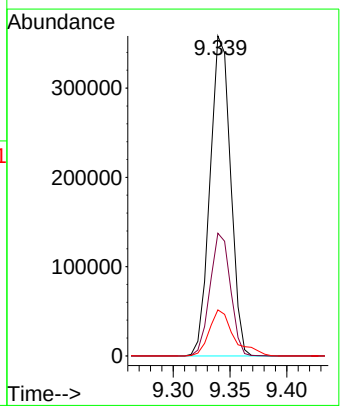
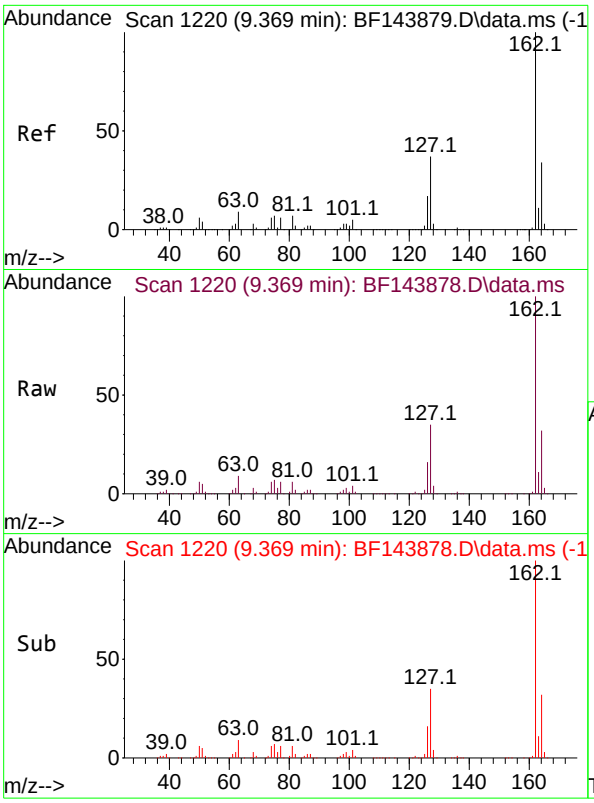


#46
1,1'-Biphenyl
Concen: 21.868 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:154 Resp: 450706

Ion	Ratio	Lower	Upper
154	100		
153	38.3	18.4	58.4
76	14.4	0.0	34.0

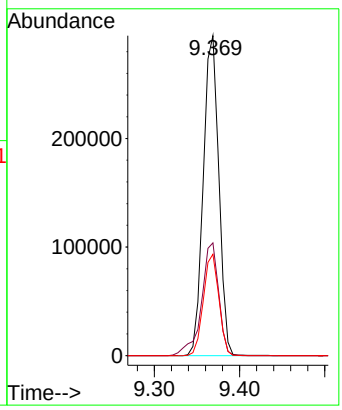




#47
2-Chloronaphthalene
Concen: 21.679 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:162 Resp: 37253

Ion	Ratio	Lower	Upper
162	100		
127	35.2	30.2	45.2
164	31.7	26.9	40.3



Instrument :
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ClientSampleId :
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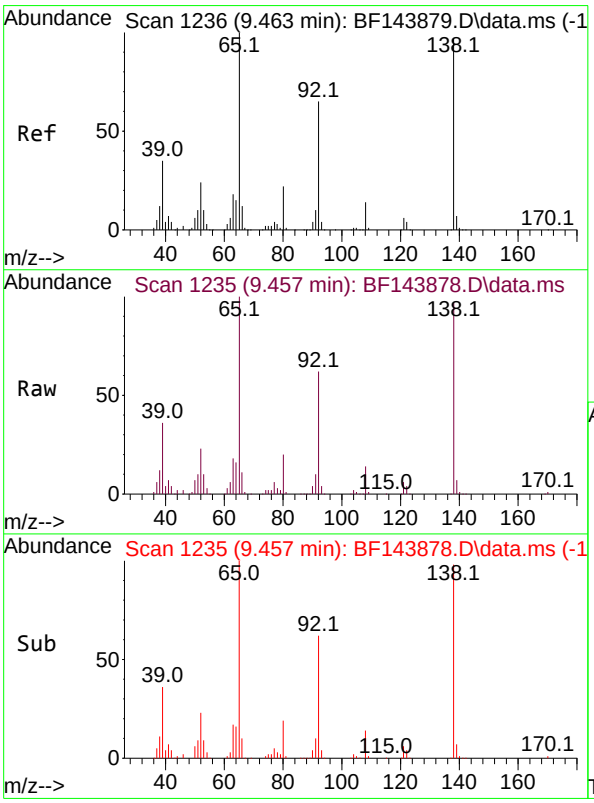
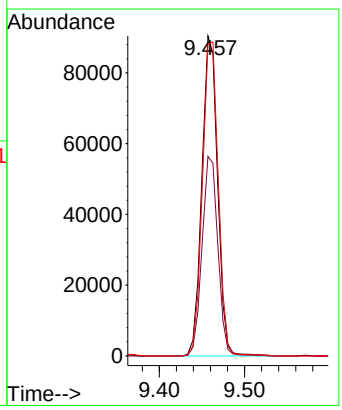
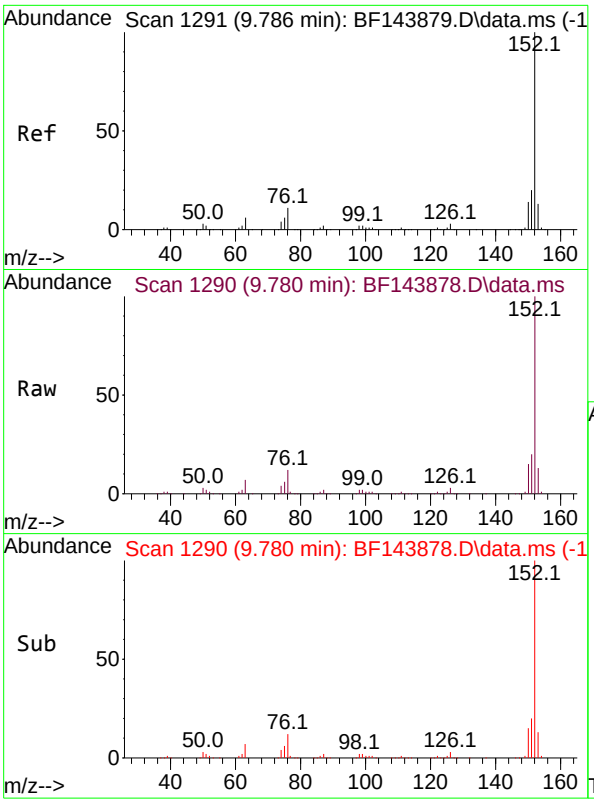


#48
2-Nitroaniline
Concen: 21.263 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 65 Resp: 115519

Ion	Ratio	Lower	Upper
65	100		
92	62.3	52.1	78.1
138	97.4	77.4	116.2

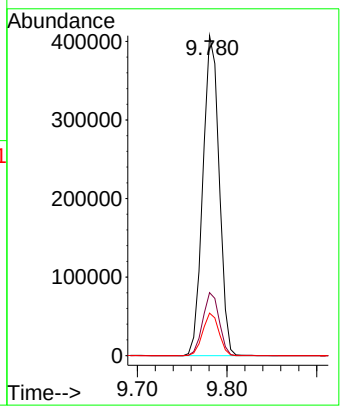




#49
Acenaphthylene
Concen: 21.234 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:152 Resp: 51298

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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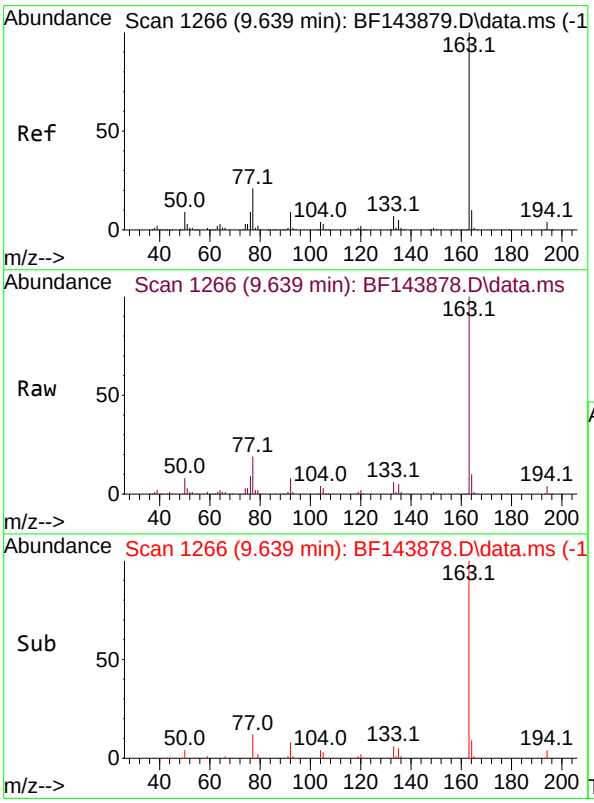
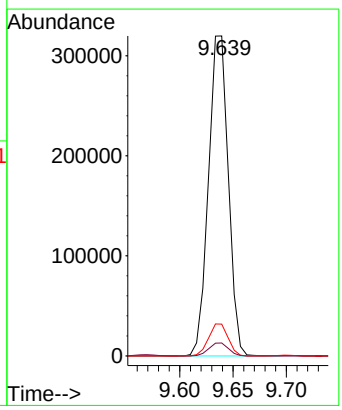
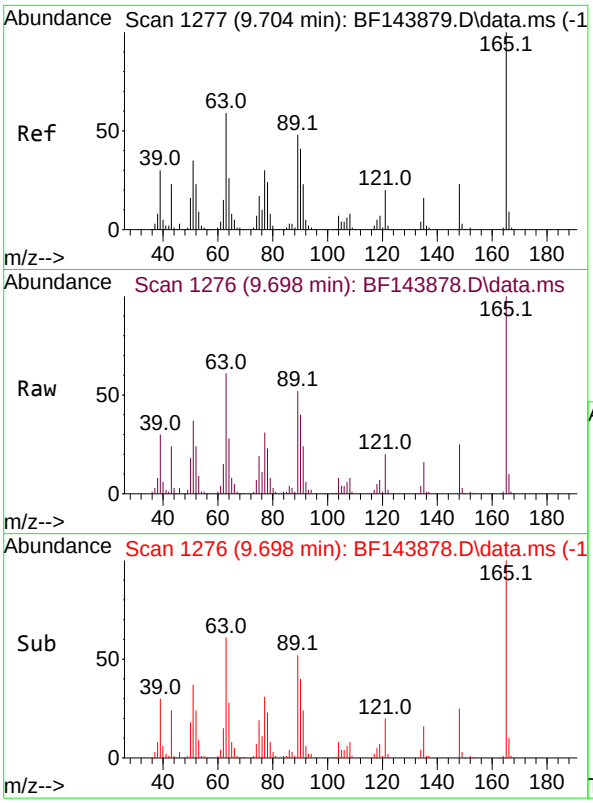


#50
Dimethylphthalate
Concen: 21.011 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:163 Resp: 415359

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 20.831 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:165 Resp: 7636

Ion	Ratio	Lower	Upper
165	100		
63	60.7	47.3	70.9
89	51.7	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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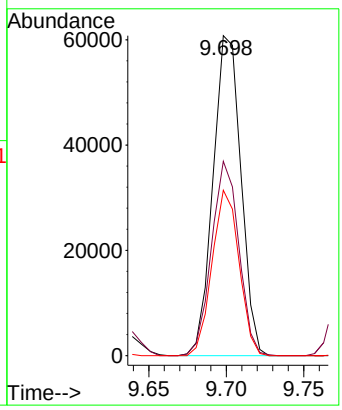
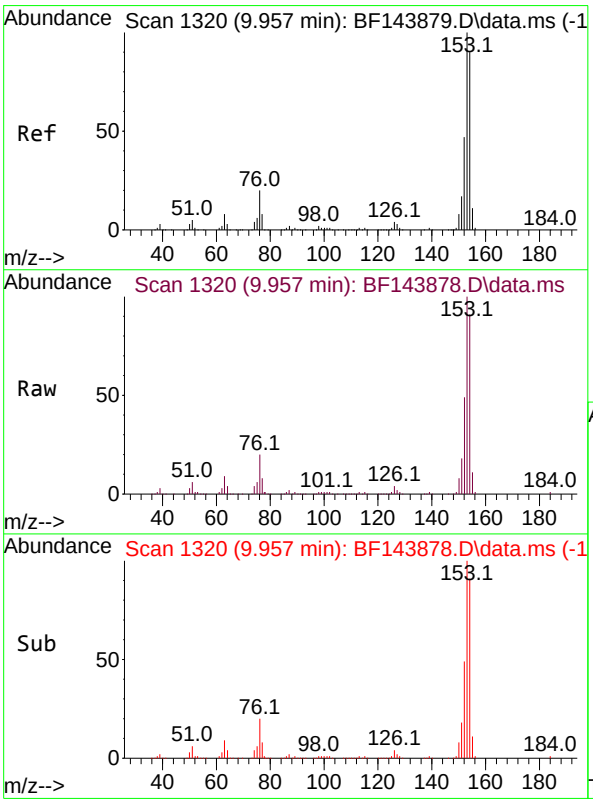
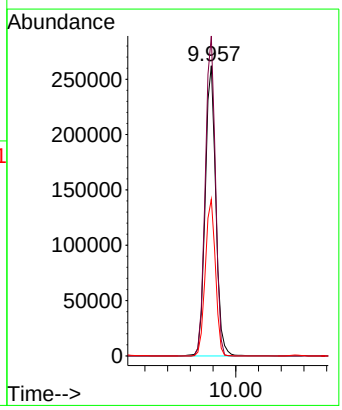


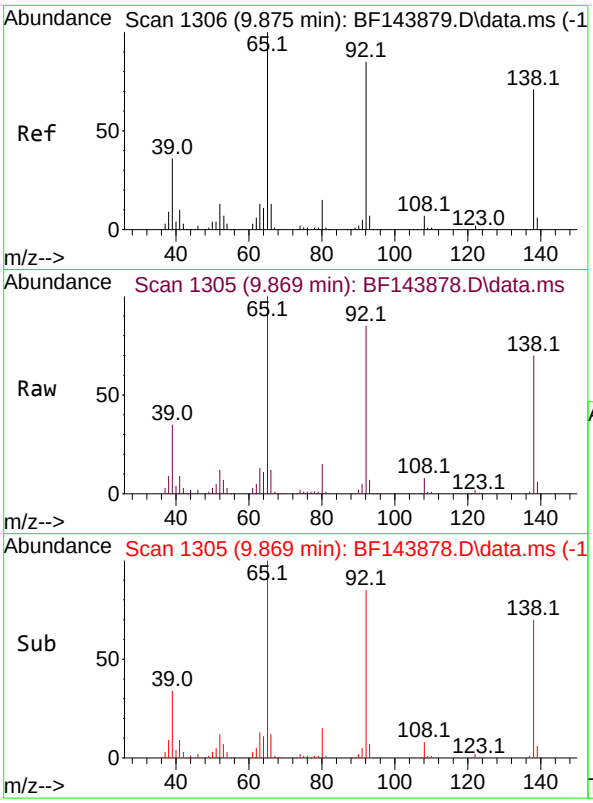


#52
Acenaphthene
Concen: 21.545 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:154 Resp: 341066

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.3	133.9
152	54.0	42.2	63.2

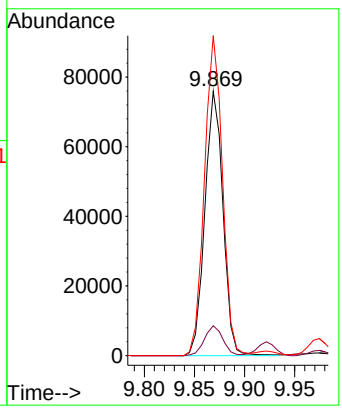




#53
3-Nitroaniline
Concen: 21.194 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:138 Resp: 9512

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	121.0	96.2	144.2



Instrument :
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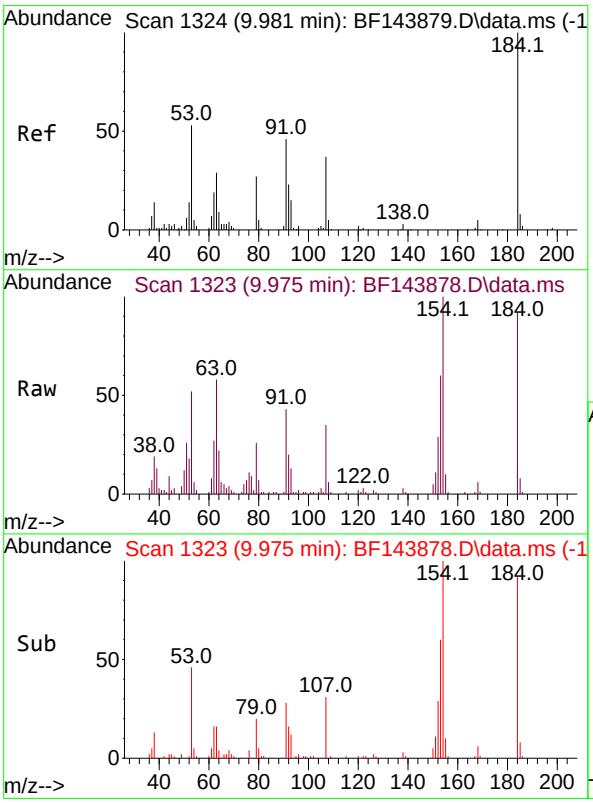
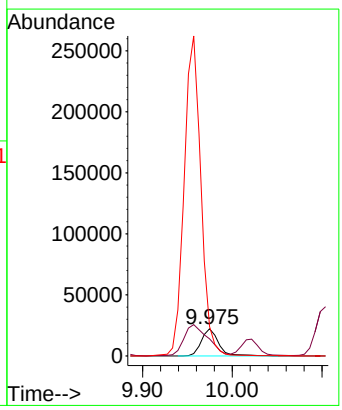
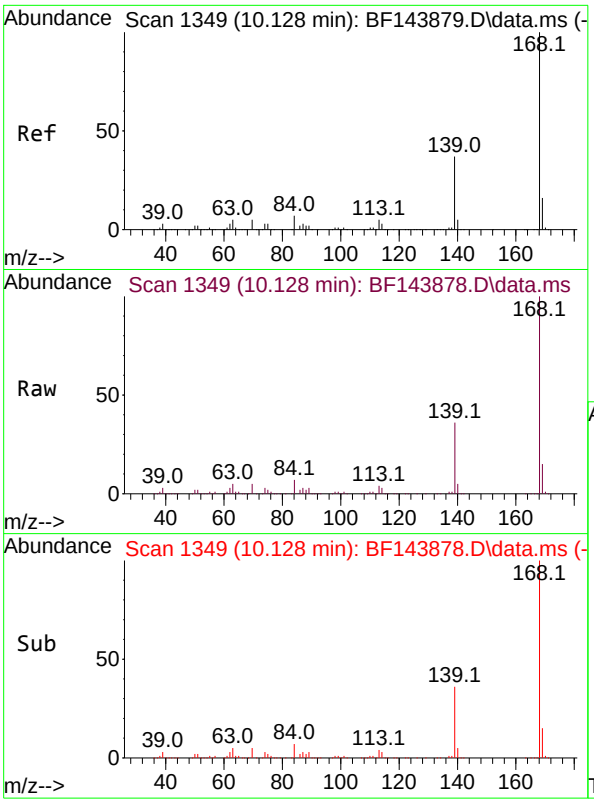


#54
2,4-Dinitrophenol
Concen: 18.734 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:184 Resp: 29199

Ion	Ratio	Lower	Upper
184	100		
63	63.1	48.2	72.4
154	108.6	49.2	73.8#

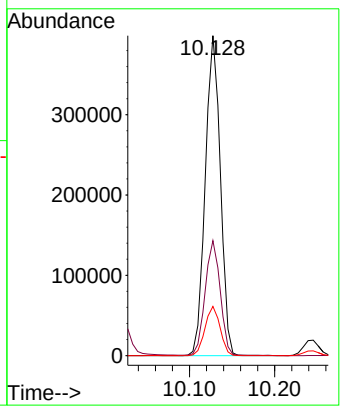




#55
Dibenzofuran
Concen: 21.894 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:168 Resp: 48925

Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.8	44.8
169	15.4	12.8	19.2



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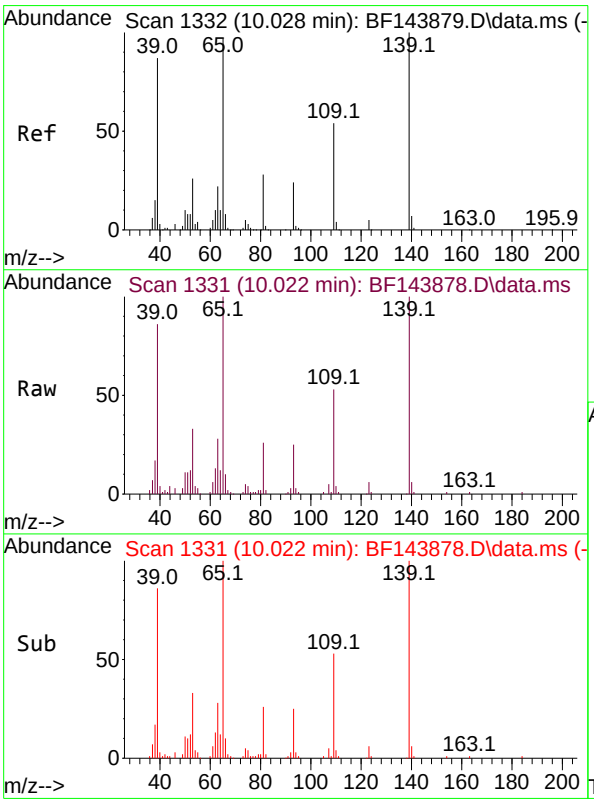
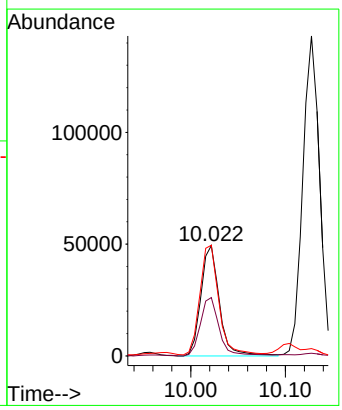
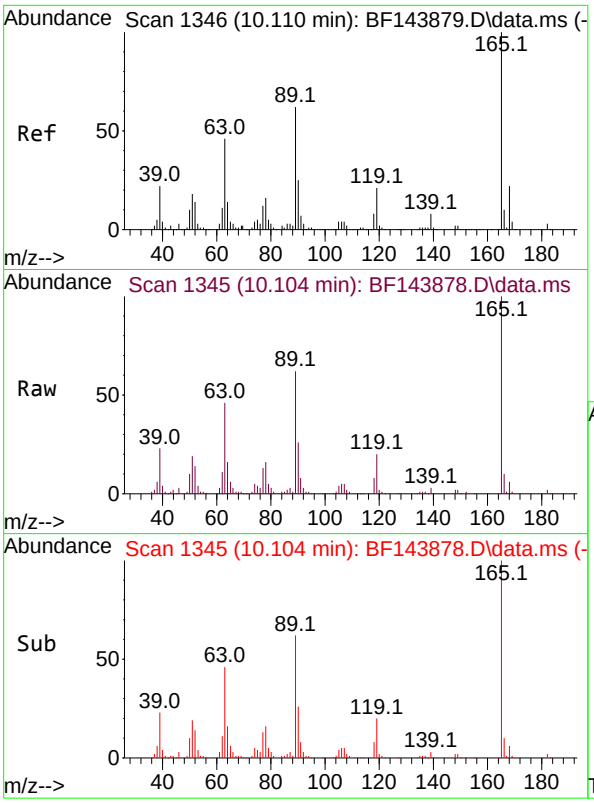


#56
4-Nitrophenol
Concen: 19.694 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:139 Resp: 66930

Ion	Ratio	Lower	Upper
139	100		
109	52.9	34.5	74.5
65	100.3	77.6	117.6

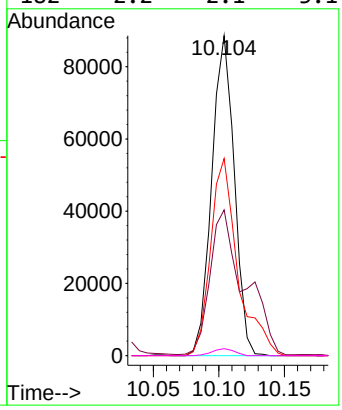




#57
2,4-Dinitrotoluene
Concen: 21.280 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:165 Resp: 10613

Ion	Ratio	Lower	Upper
165	100		
63	45.5	37.2	55.8
89	61.6	49.4	74.2
182	2.2	2.1	3.1



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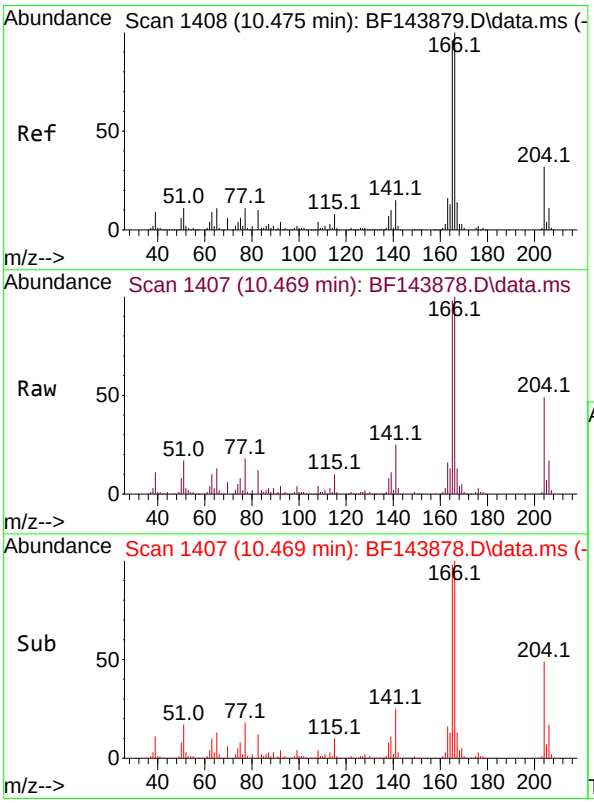
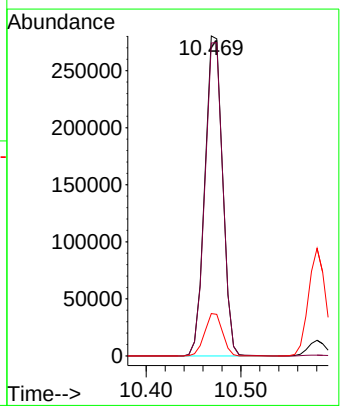
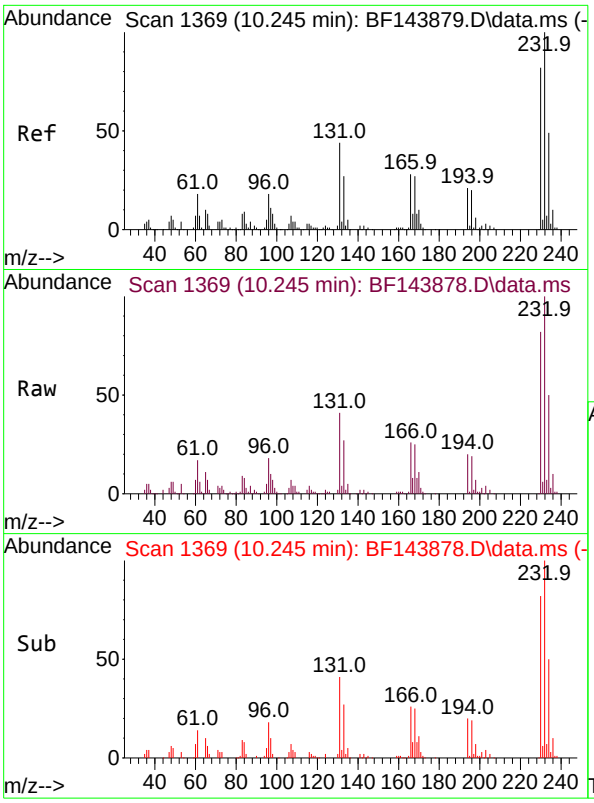


#58
Fluorene
Concen: 21.659 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:166 Resp: 365206

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.0	115.6
167	13.2	11.1	16.7

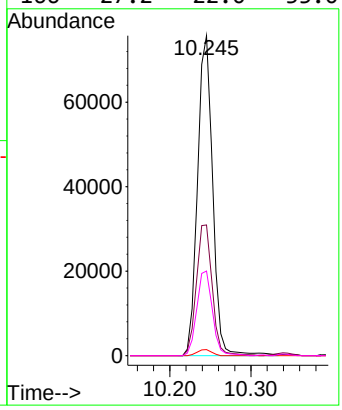




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.869 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:232 Resp: 9813

Ion	Ratio	Lower	Upper
232	100		
131	42.6	34.9	52.3
130	1.8	1.6	2.4
166	27.2	22.0	33.0



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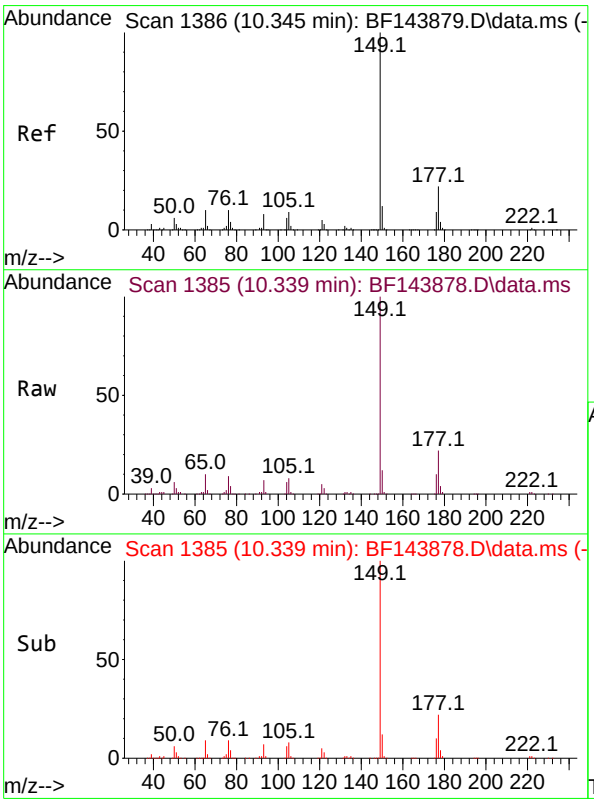
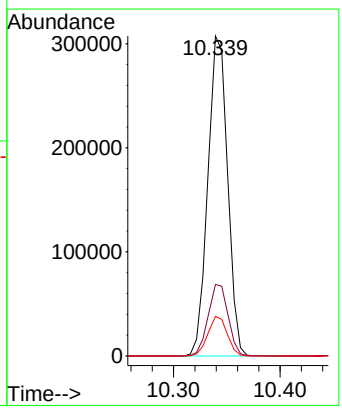
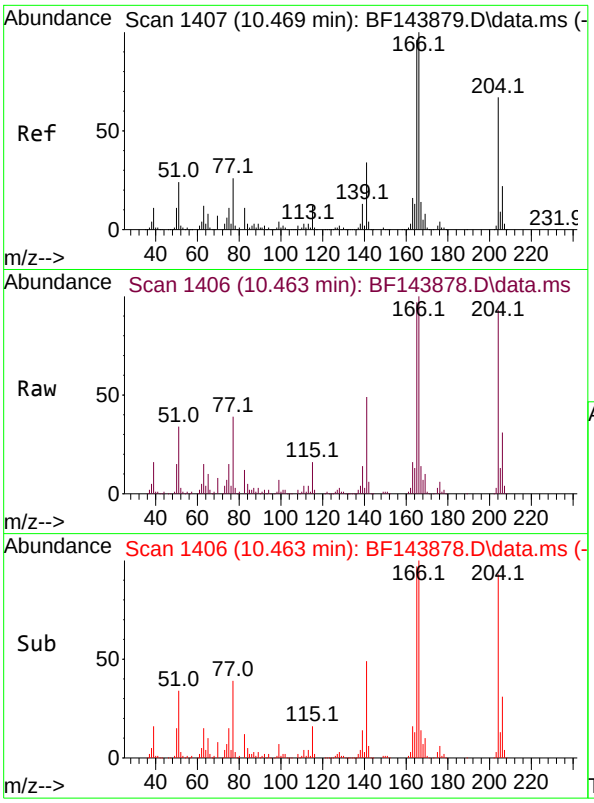


#60
Diethylphthalate
Concen: 21.575 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 396233

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.9	26.9
150	12.3	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 21.860 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:204 Resp: 19487

Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.6	40.0
141	53.4	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
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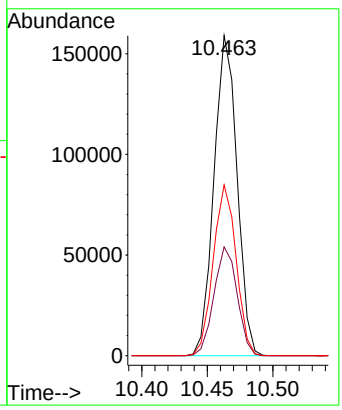
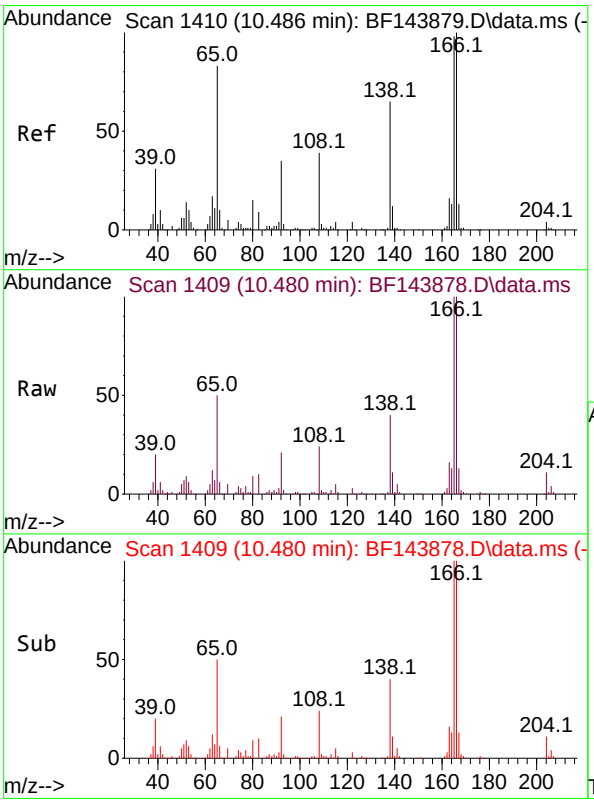
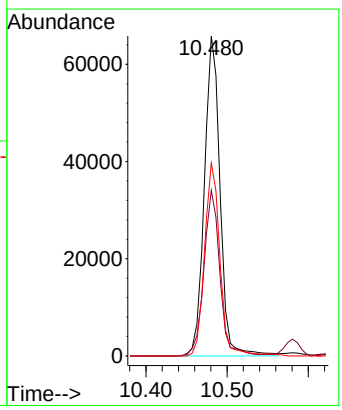


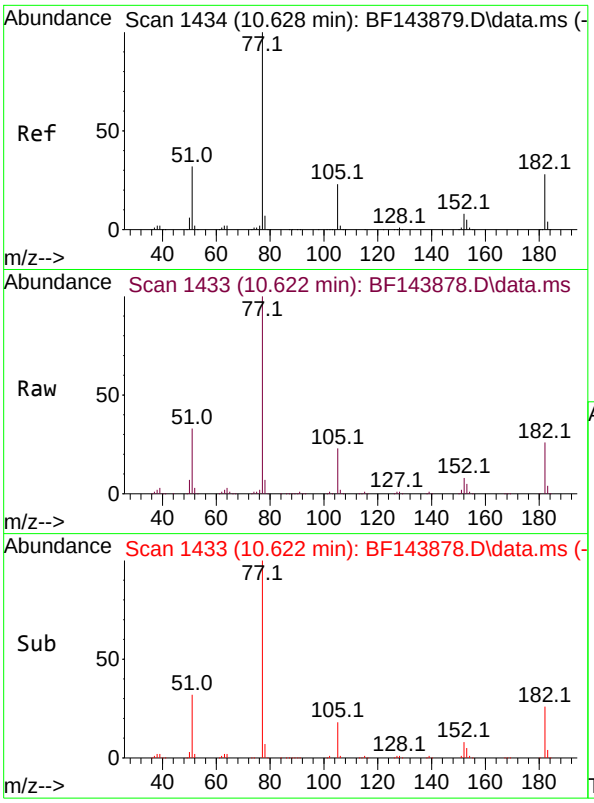


#62
4-Nitroaniline
Concen: 20.526 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:138 Resp: 88594

Ion	Ratio	Lower	Upper
138	100		
92	51.7	33.9	73.9
108	60.3	40.2	80.2

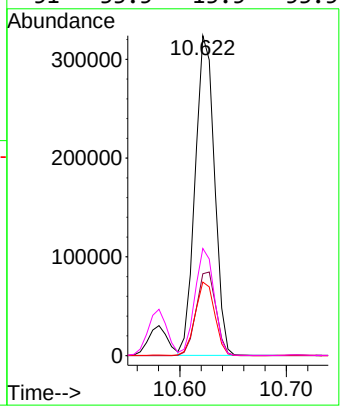




#63
Azobenzene
Concen: 21.218 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 40726

Ion	Ratio	Lower	Upper
77	100		
182	25.6	7.3	47.3
105	23.0	3.0	43.0
51	33.5	13.5	53.5



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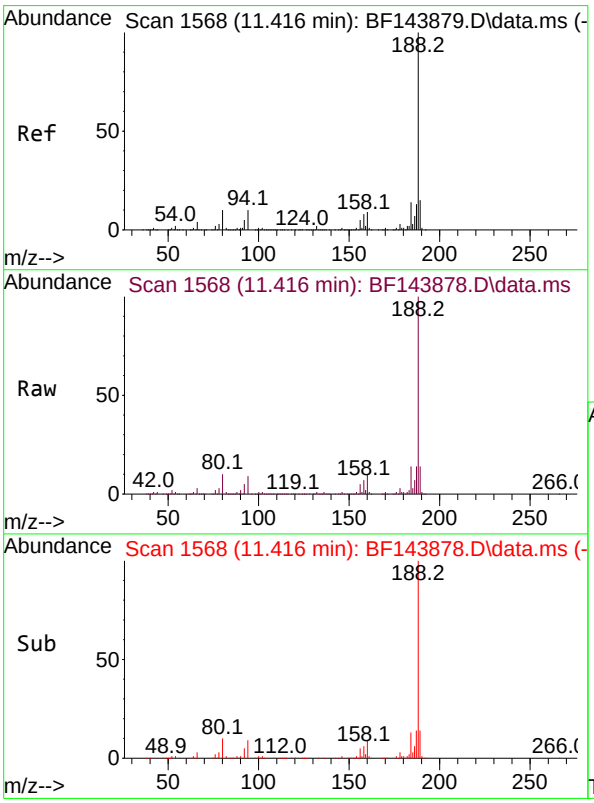
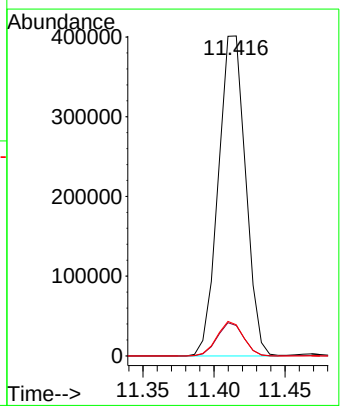
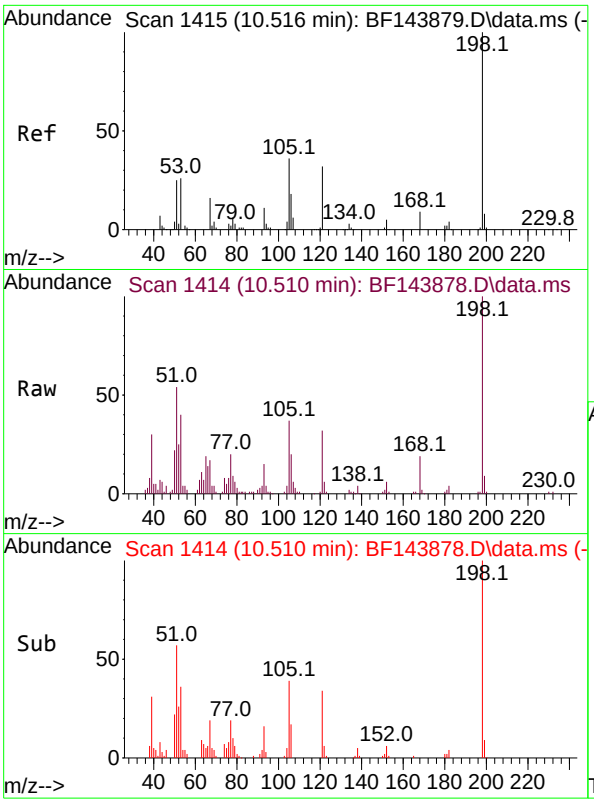


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:188 Resp: 536961

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	9.7	7.9	11.9

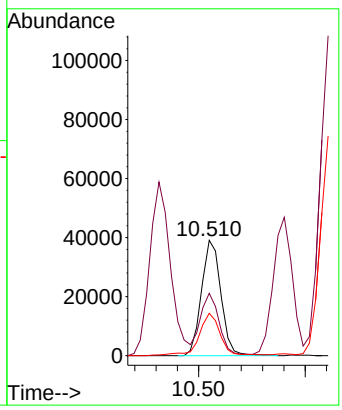




#65
4,6-Dinitro-2-methylphenol
Concen: 18.309 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:198 Resp: 4940

Ion	Ratio	Lower	Upper
198	100		
51	54.1	33.8	73.8
105	36.7	17.0	57.0



Instrument :
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ClientSampleId :
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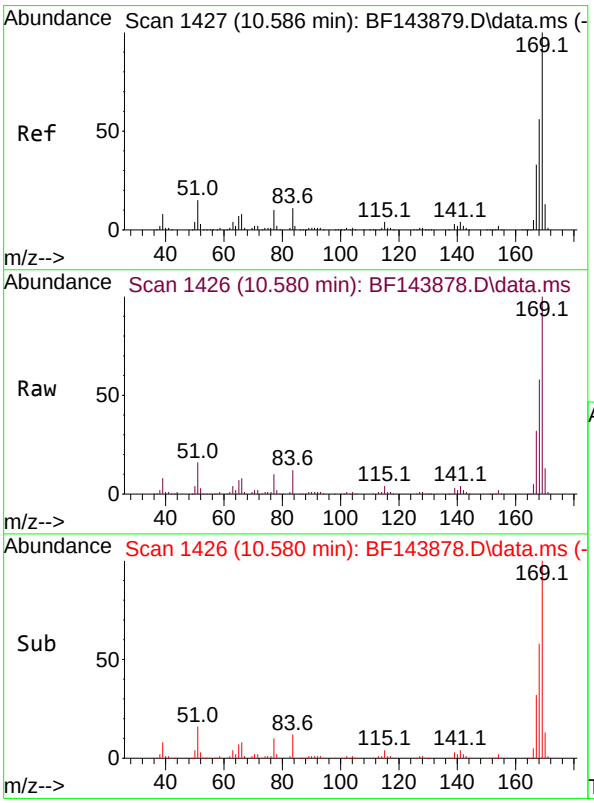
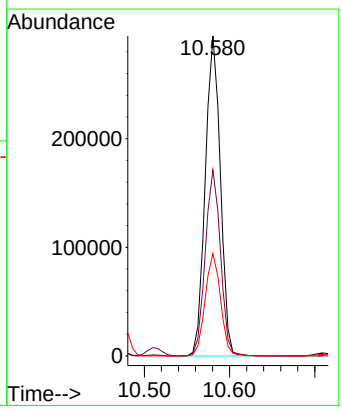
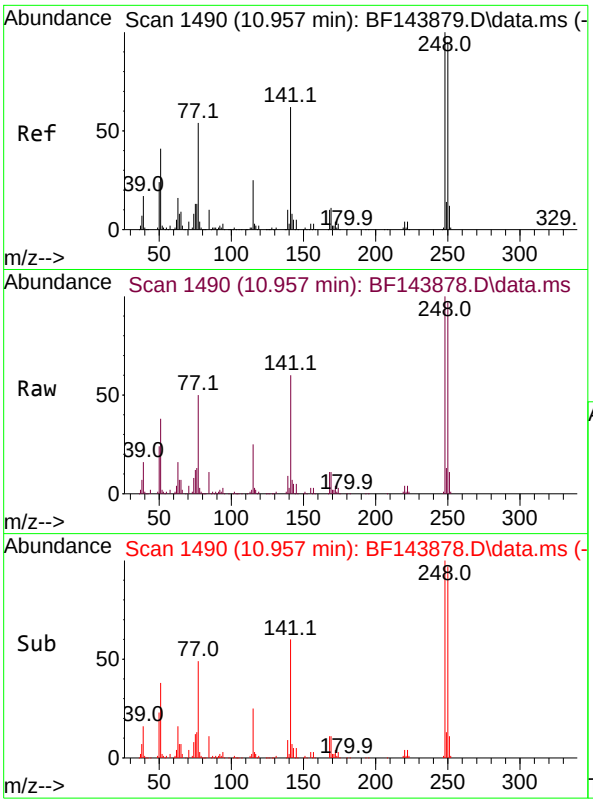


#66
n-Nitrosodiphenylamine
Concen: 21.484 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:169 Resp: 362217

Ion	Ratio	Lower	Upper
169	100		
168	58.1	44.9	67.3
167	32.0	26.3	39.5

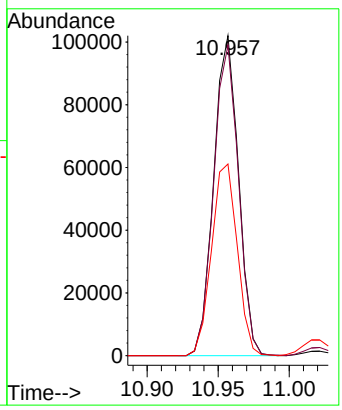




#67
4-Bromophenyl-phenylether
Concen: 20.876 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:248 Resp: 12388

Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.3	114.5
141	59.9	49.7	74.5



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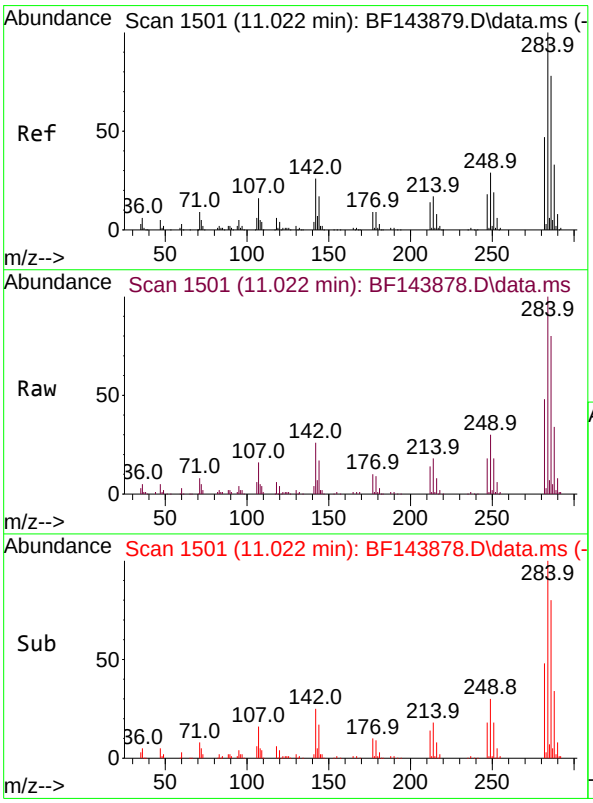
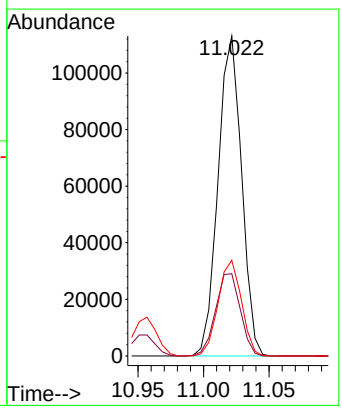
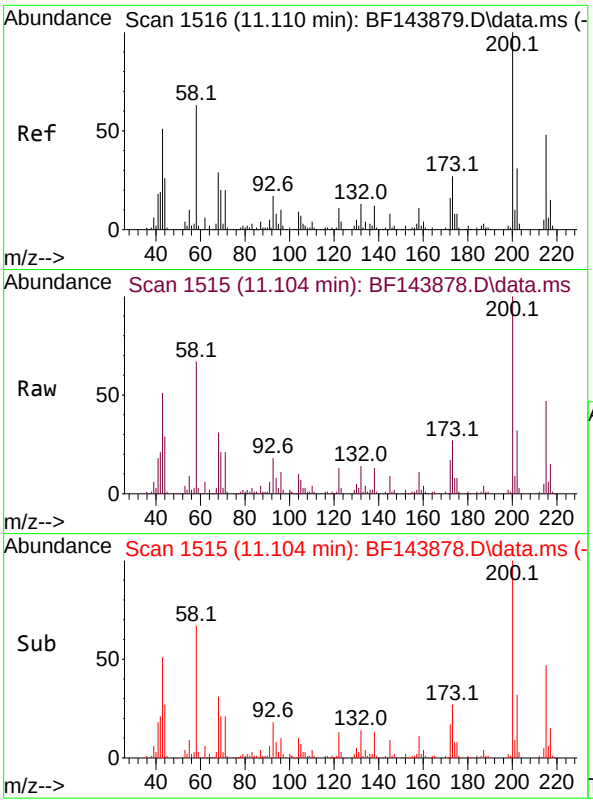


#68
Hexachlorobenzene
Concen: 20.570 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:284 Resp: 141316

Ion	Ratio	Lower	Upper
284	100		
142	25.7	20.6	30.8
249	29.9	23.2	34.8

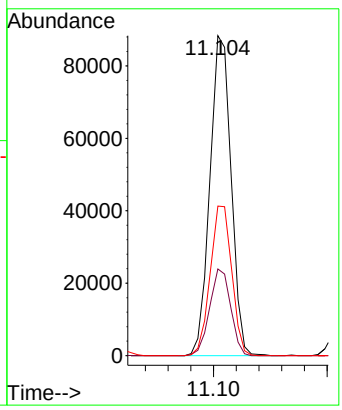




#69
Atrazine
Concen: 22.405 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:200 Resp: 11449

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.0	47.0
215	46.7	27.8	67.8



Instrument :
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ClientSampleId :
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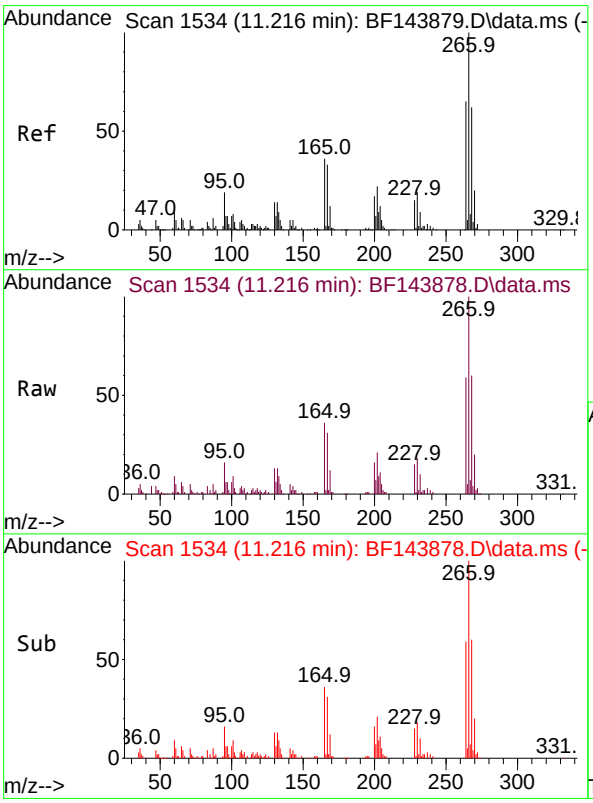
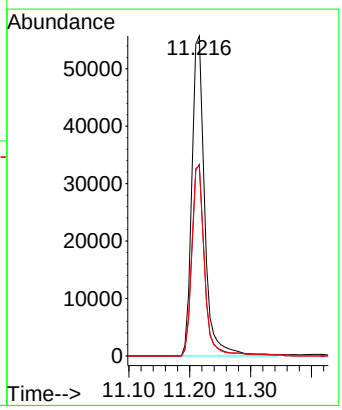
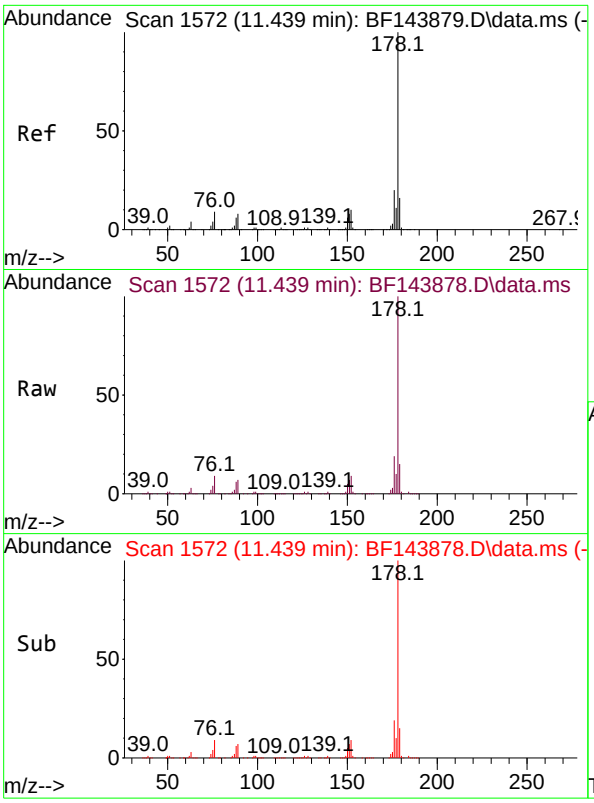


#70
Pentachlorophenol
Concen: 20.687 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:266 Resp: 81624

Ion	Ratio	Lower	Upper
266	100		
268	59.8	49.4	74.0
264	59.4	51.8	77.6

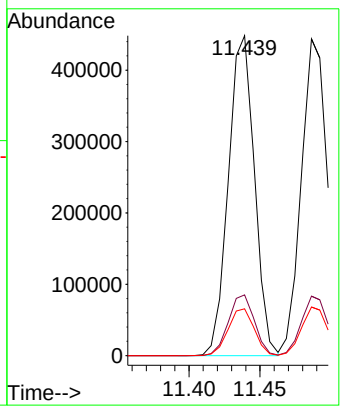




#71
Phenanthrene
Concen: 21.979 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:178 Resp: 57215

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.6	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
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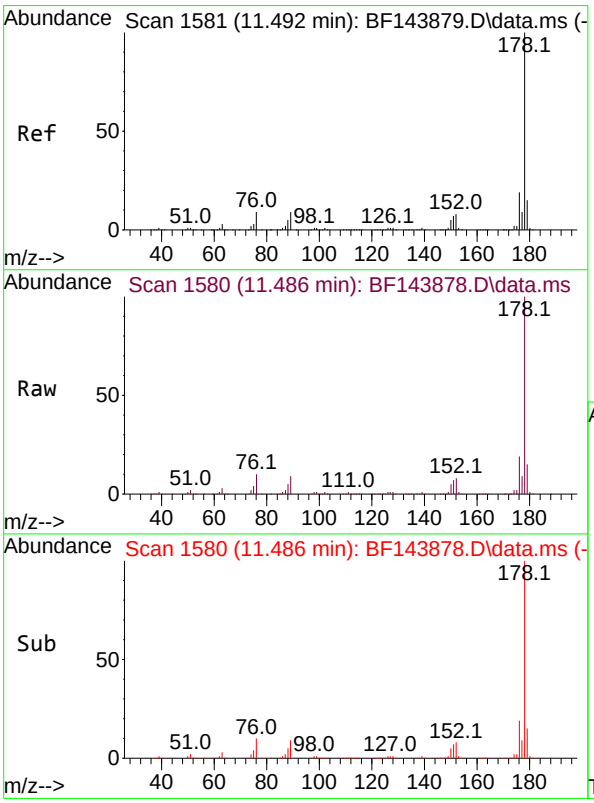
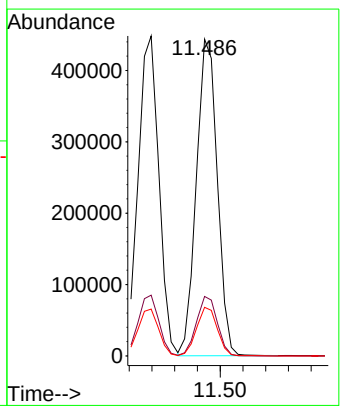
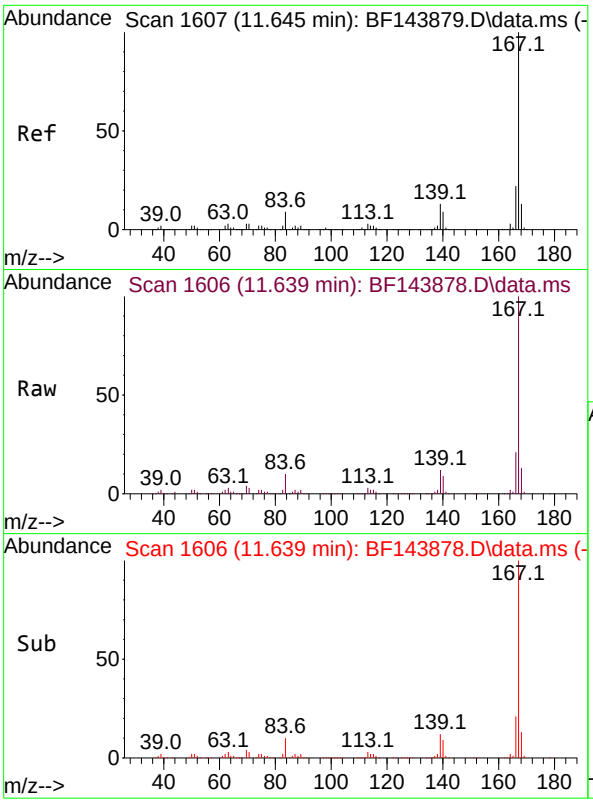


#72
Anthracene
Concen: 21.588 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:178 Resp: 567724

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.3	12.2	18.2

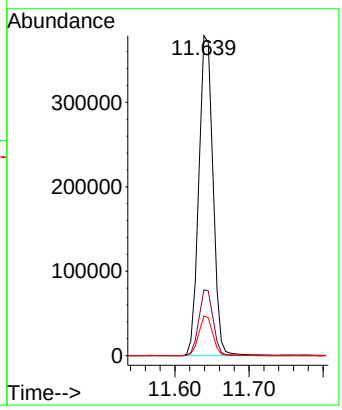




#73
Carbazole
Concen: 21.651 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:167 Resp: 50428

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.2	25.8
139	12.4	10.1	15.1



Instrument :
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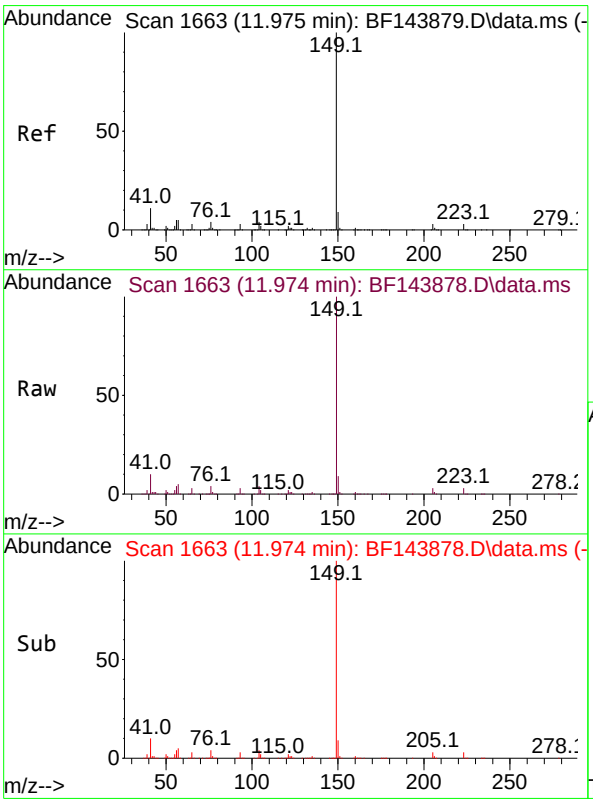
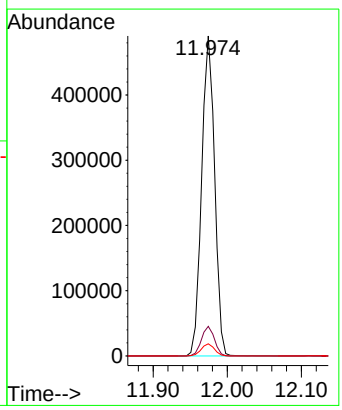
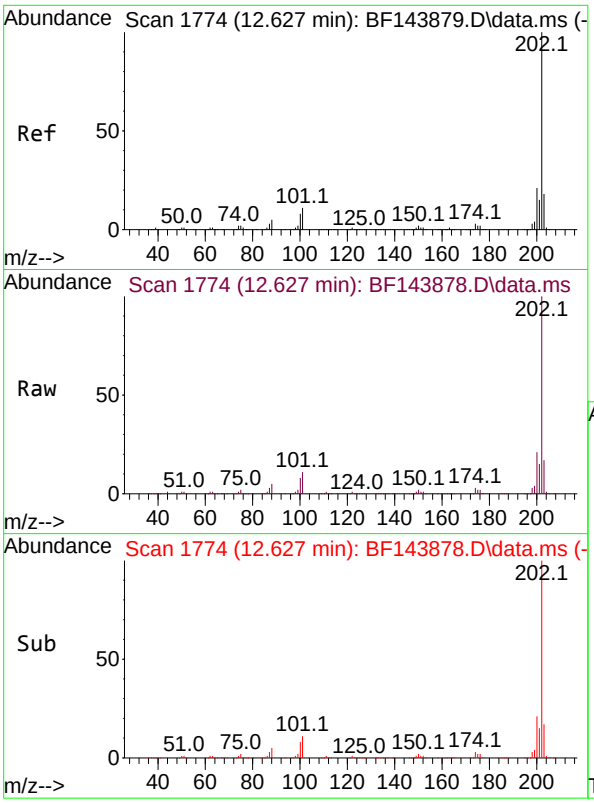


#74
Di-n-butylphthalate
Concen: 22.047 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 595140

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	3.8	3.4	5.2

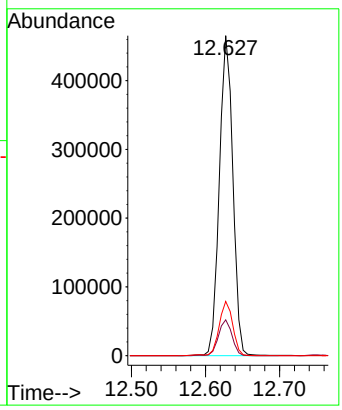




#75
Fluoranthene
Concen: 21.843 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:202 Resp: 587348

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.7
203	16.9	0.0	37.8



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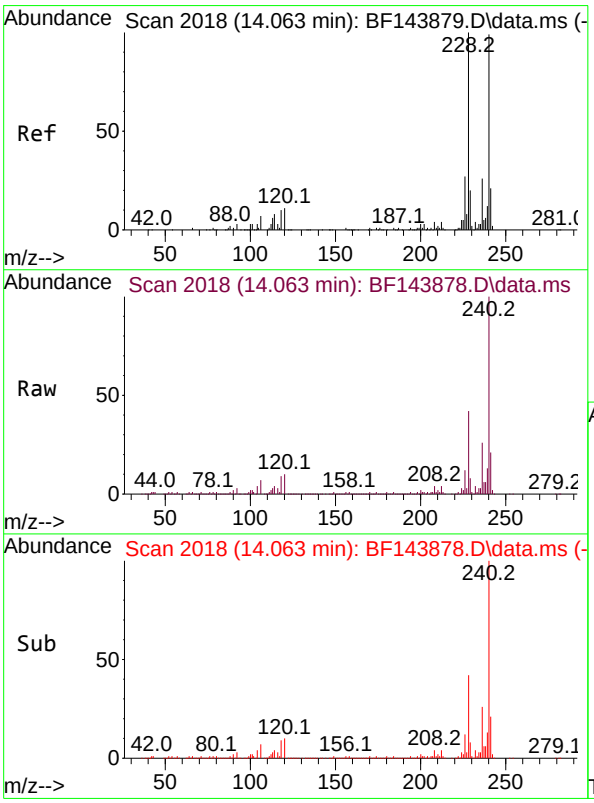
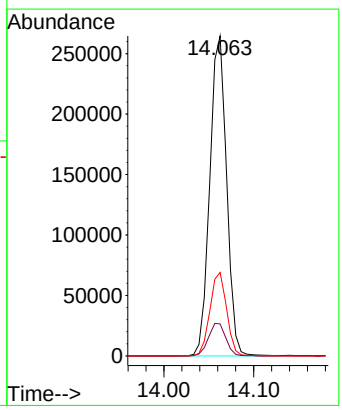
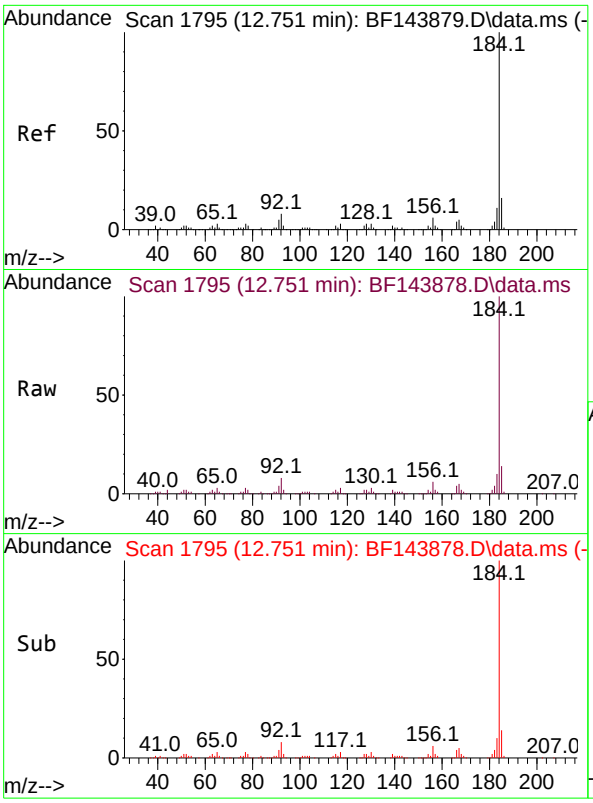


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:240 Resp: 346764

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.6	13.0
236	26.1	21.1	31.7

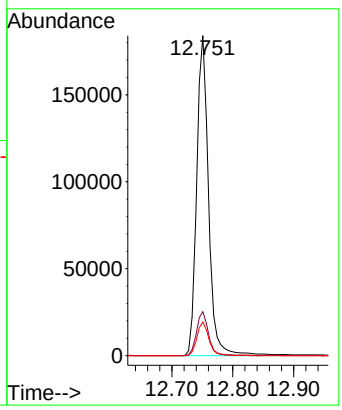




#77
Benzidine
Concen: 20.710 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:184 Resp: 24935

Ion	Ratio	Lower	Upper
184	100		
185	13.7	12.6	18.8
183	10.5	8.8	13.2



Instrument :
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ClientSampleId :
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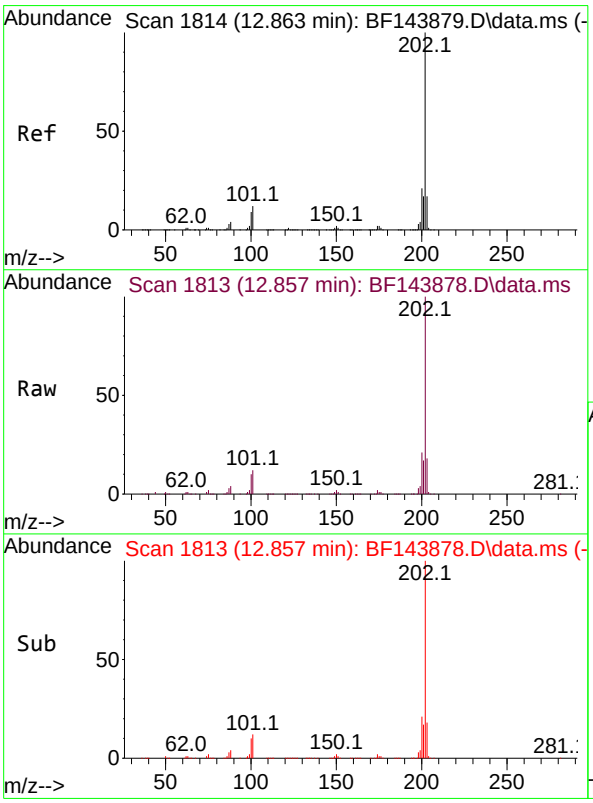
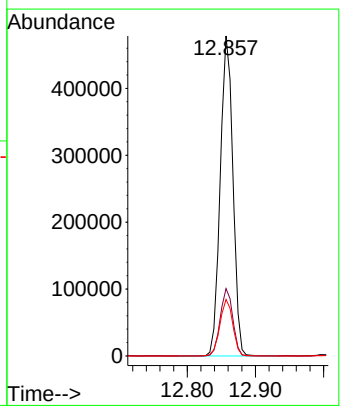
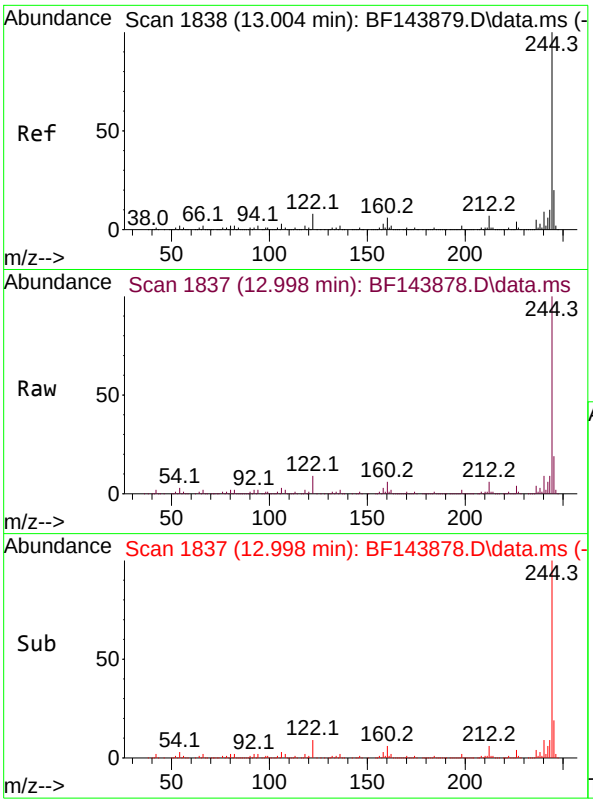


#78
Pyrene
Concen: 21.215 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:202 Resp: 613300

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.6	13.8	20.6

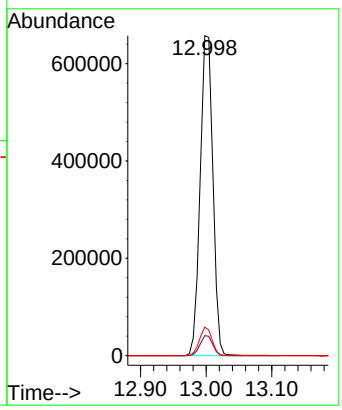




#79
Terphenyl-d14
Concen: 43.445 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:244 Resp: 88148

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	8.9	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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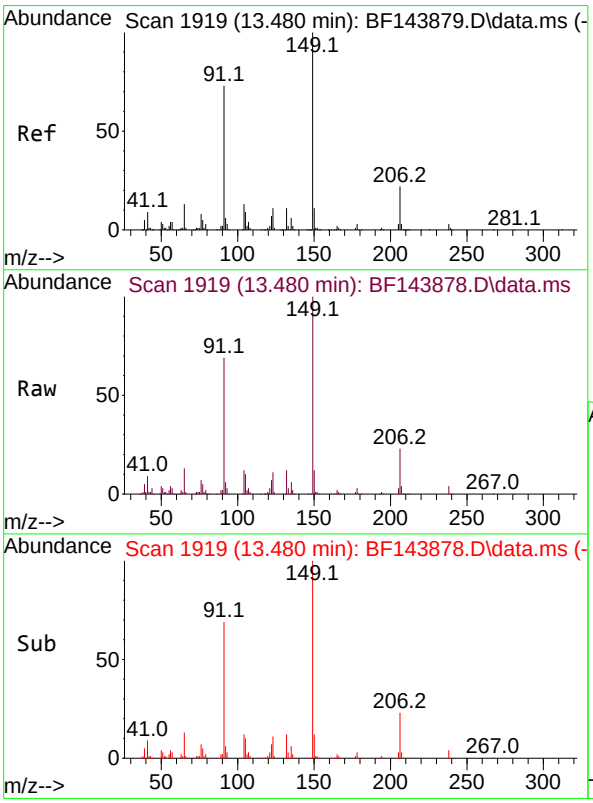
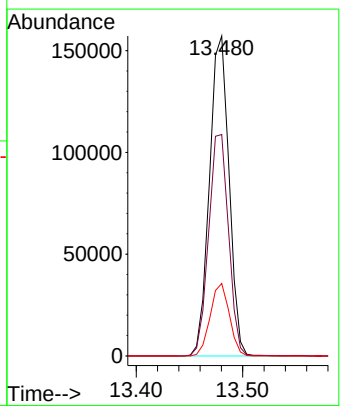
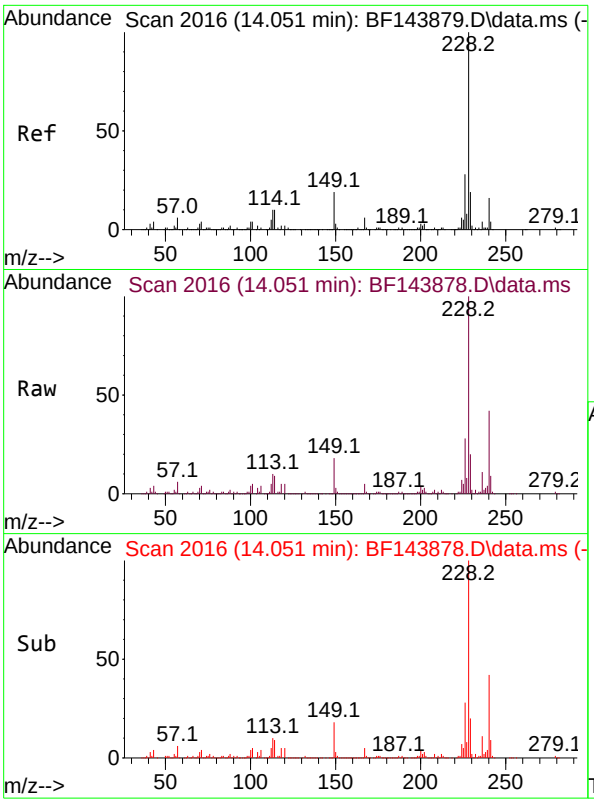


#80
Butylbenzylphthalate
Concen: 21.391 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 200832

Ion	Ratio	Lower	Upper
149	100		
91	69.2	58.2	87.2
206	22.6	17.9	26.9

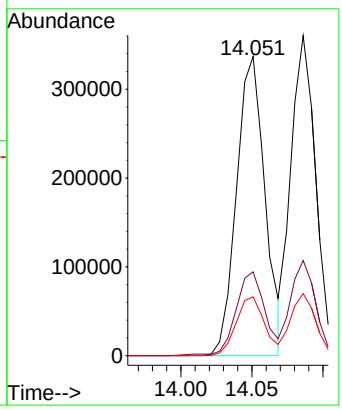




#81
Benzo(a)anthracene
Concen: 20.693 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:228 Resp: 46956

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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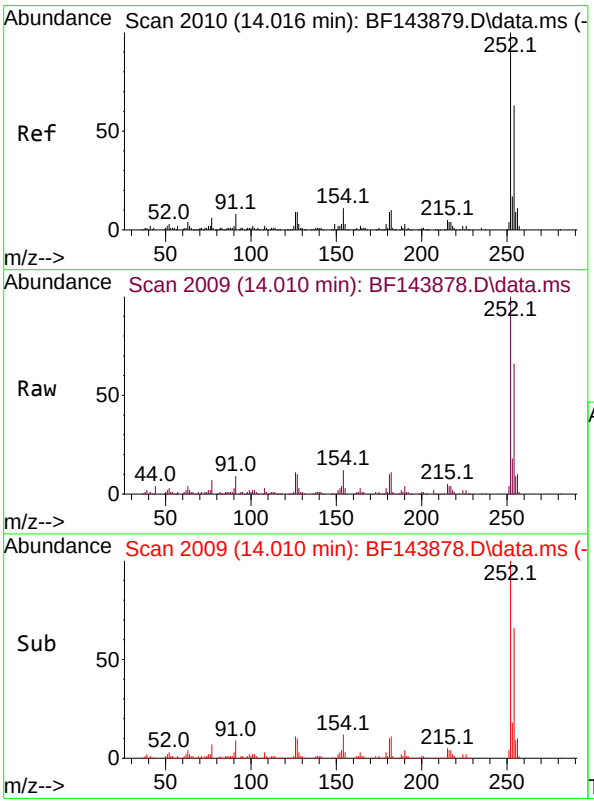
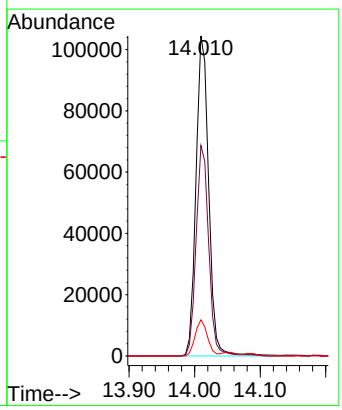
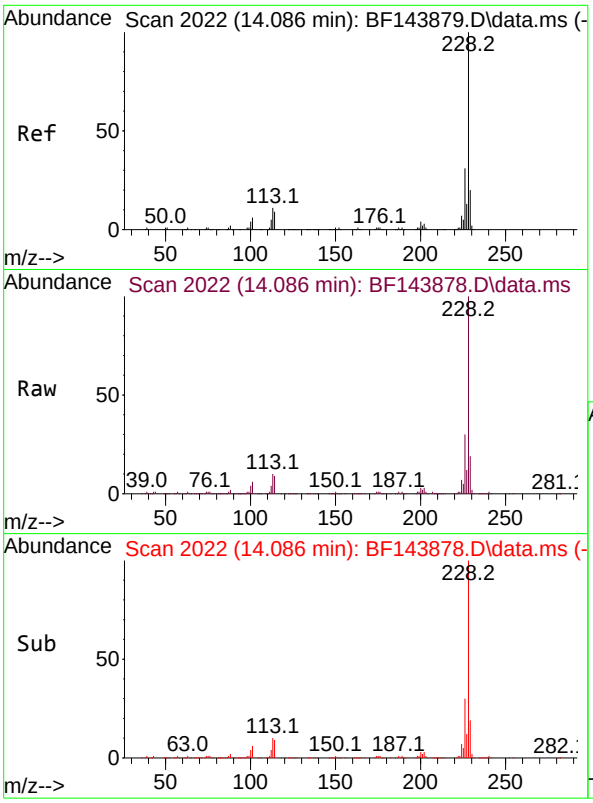


#82
3,3'-Dichlorobenzidine
Concen: 20.219 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 139822

Ion	Ratio	Lower	Upper
252	100		
254	65.7	50.6	76.0
126	11.3	7.0	10.6#

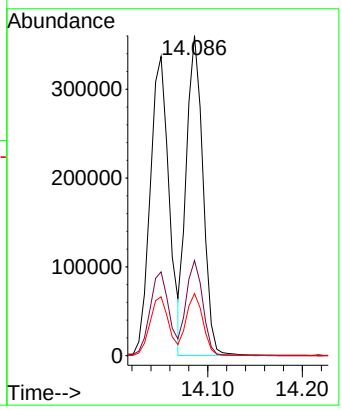




#83
Chrysene
Concen: 20.920 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:228 Resp: 43937

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	19.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
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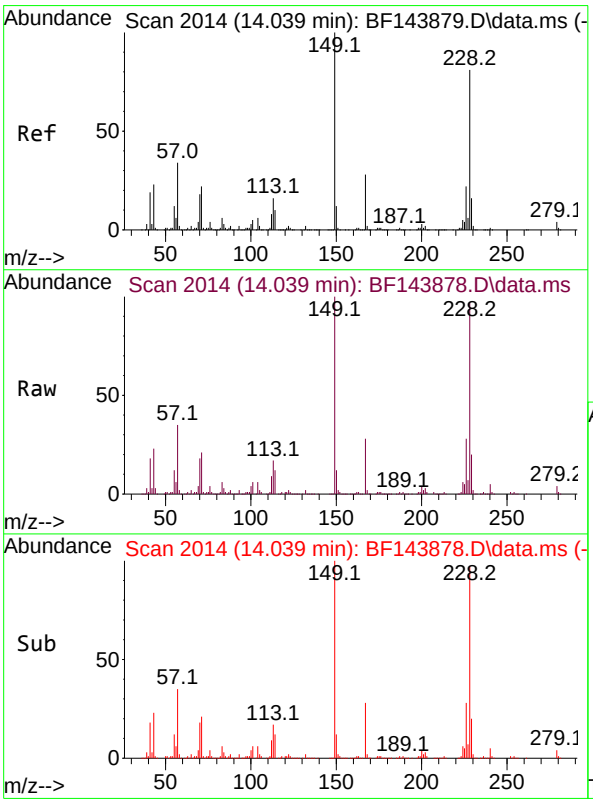
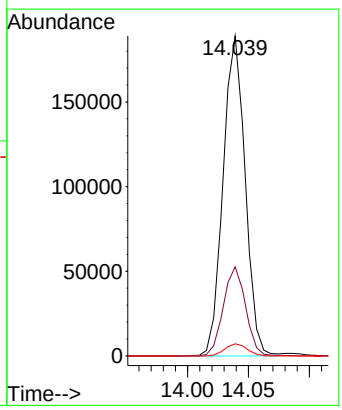
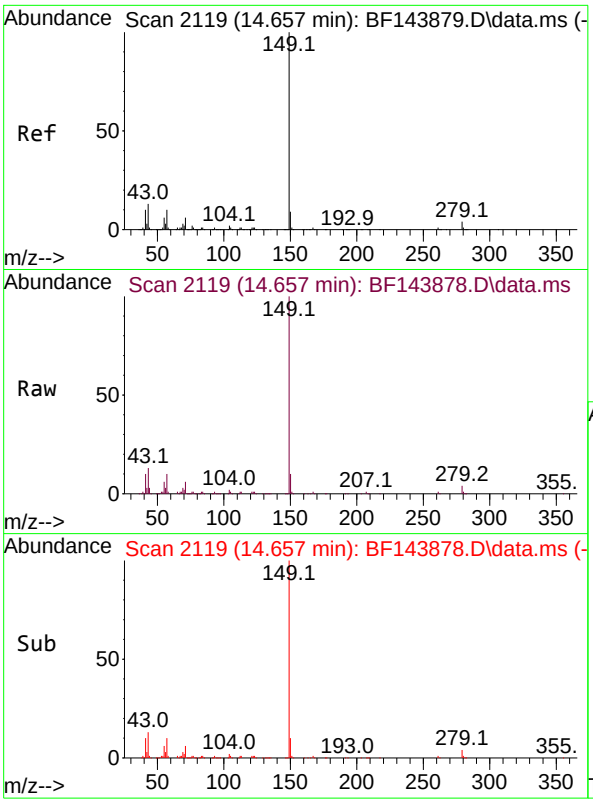


#84
Bis(2-ethylhexyl)phthalate
Concen: 21.041 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 238132

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.8	3.1	4.7

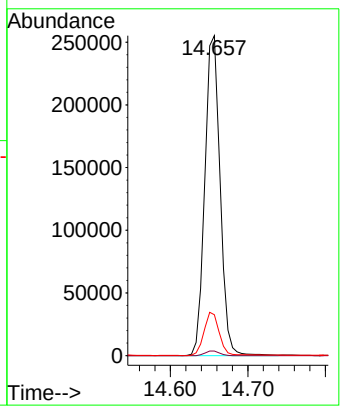




#85
Di-n-octyl phthalate
Concen: 18.814 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 34972

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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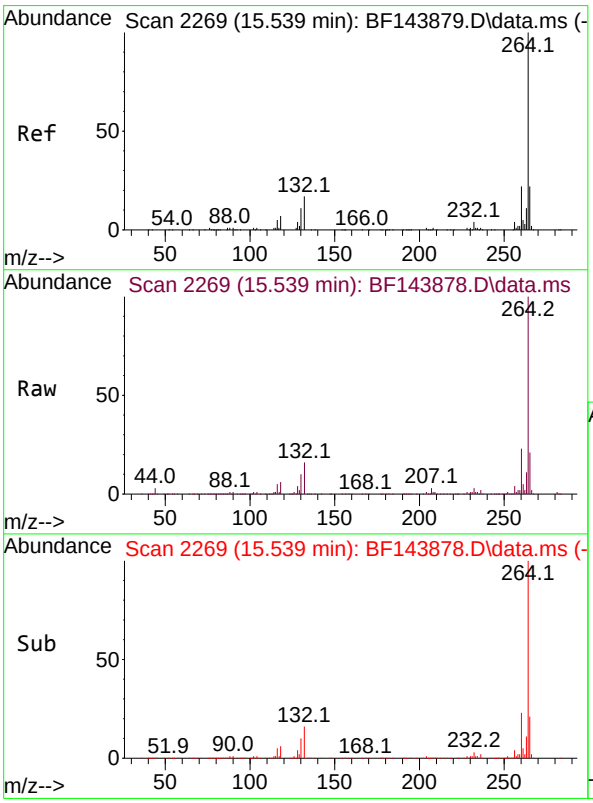
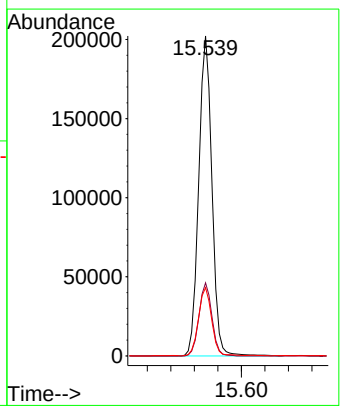
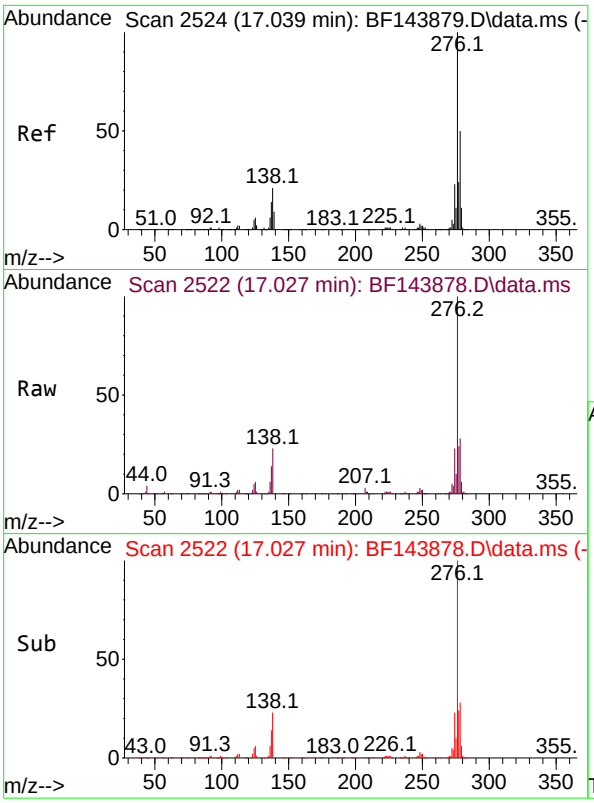


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:264 Resp: 314616

Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.8	26.8
265	21.3	17.5	26.3

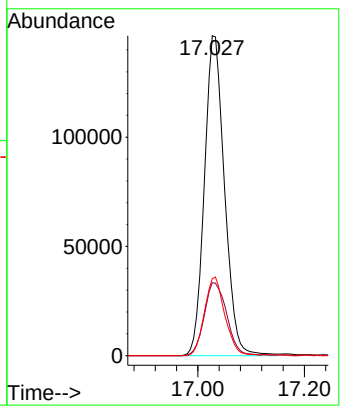




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.942 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:276 Resp: 384441

Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.2	27.2
277	25.0	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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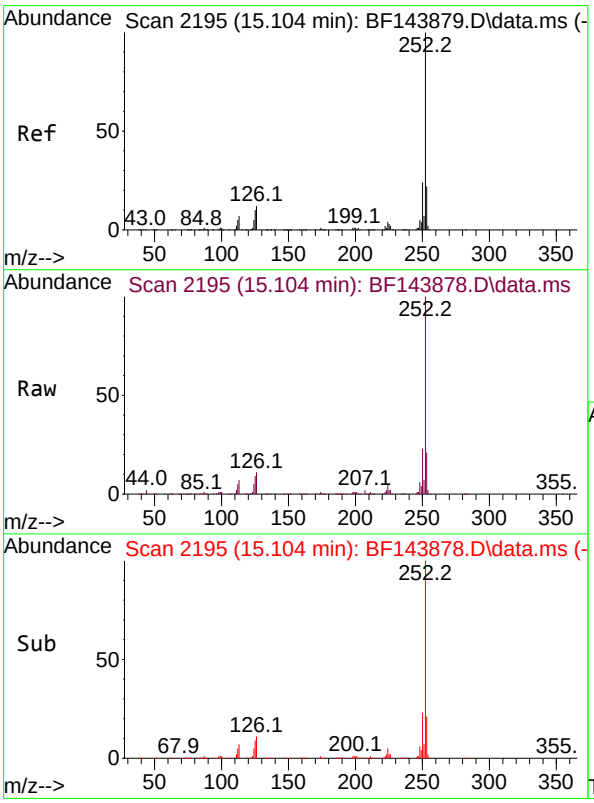
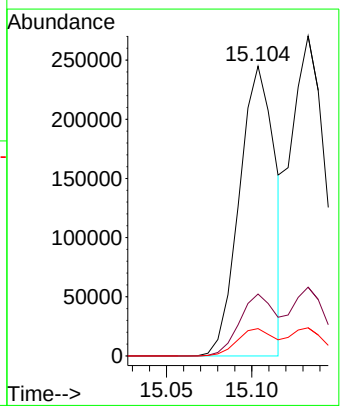
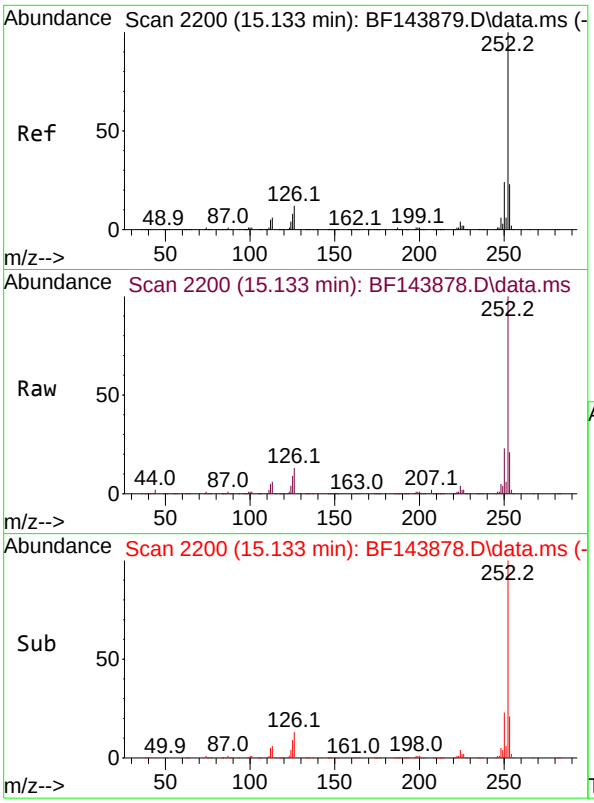


#88
Benzo(b)fluoranthene
Concen: 19.692 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 355882

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	9.4	7.8	11.6

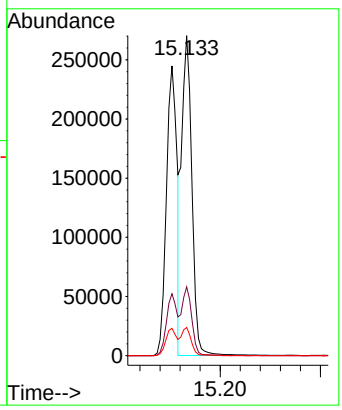




#89
Benzo(k)fluoranthene
Concen: 23.106 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 38639

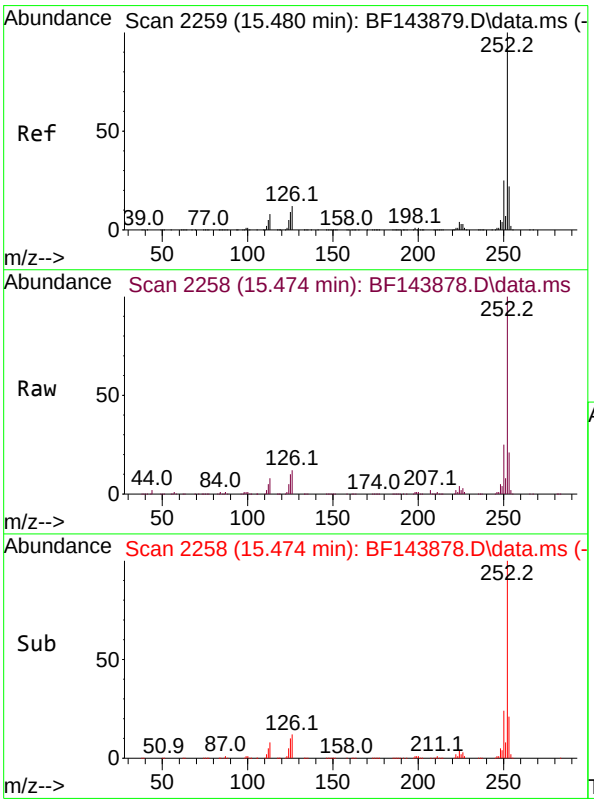
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

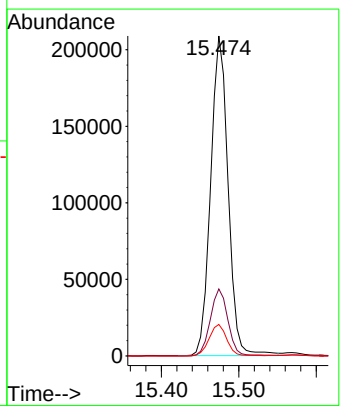
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

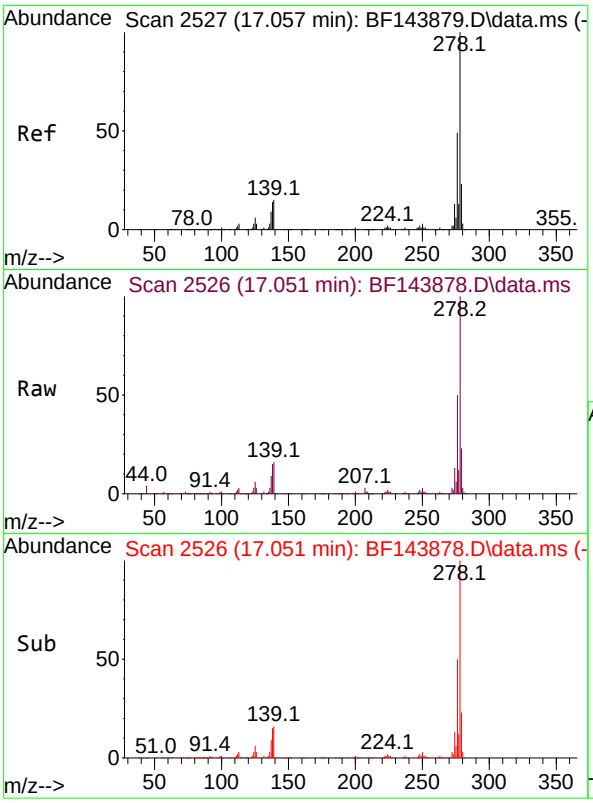


#90
Benzo(a)pyrene
Concen: 20.822 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 326291

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.3	25.9
125	9.8	7.0	10.4

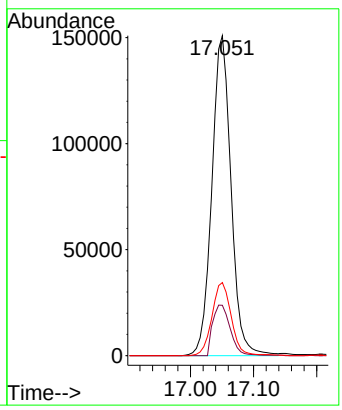




#91
Dibenzo(a,h)anthracene
Concen: 20.589 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:278 Resp: 31921

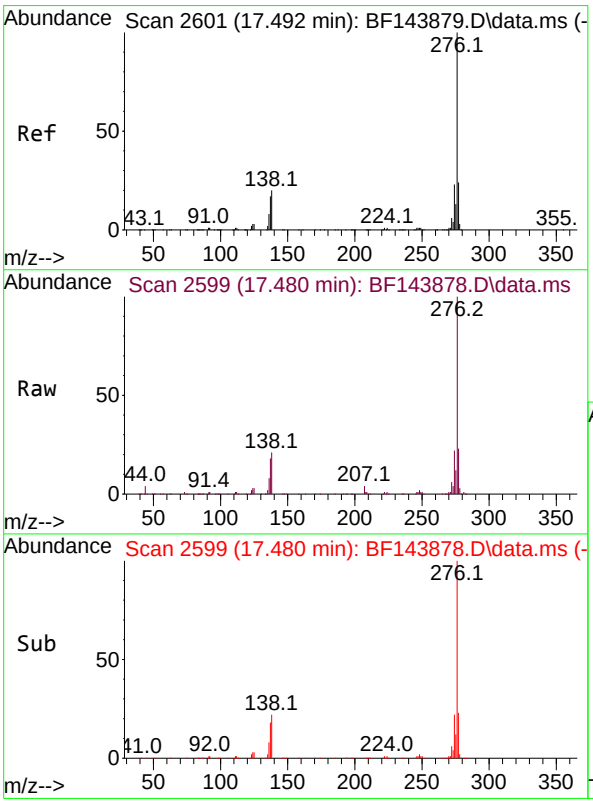
Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.7	17.5
279	22.8	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

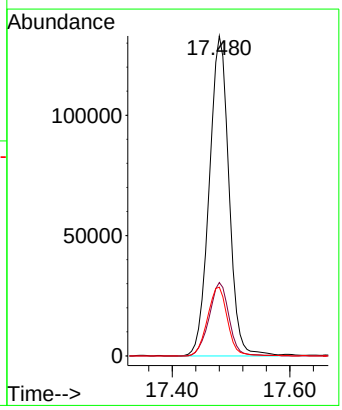
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 19.937 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.035 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:276 Resp: 309120

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	21.5	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	124152	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	479933	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	444949	20.000	ng	0.00
76) Chrysene-d12	14.063	240	254576	20.000	ng	0.00
86) Perylene-d12	15.539	264	250969	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	649121	83.027	ng	0.00
7) Phenol-d6	6.504	99	765629	82.158	ng	-0.01
23) Nitrobenzene-d5	7.445	82	662754	83.898	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	215478	83.200	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1273210	77.695	ng	0.00
79) Terphenyl-d14	13.004	244	1302632	87.451	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	151157	41.781	ng	100
3) Pyridine	3.410	79	439985	41.775	ng	100
4) n-Nitrosodimethylamine	3.357	42	225827	40.760	ng	100
6) Aniline	6.545	93	581779	41.662	ng	100
8) 2-Chlorophenol	6.663	128	321394	42.055	ng	100
9) Benzaldehyde	6.434	77	330062	45.914	ng	100
10) Phenol	6.516	94	457250m	41.042	ng	
11) bis(2-Chloroethyl)ether	6.616	93	358980	41.712	ng	100
12) 1,3-Dichlorobenzene	6.822	146	376359	41.141	ng	100
13) 1,4-Dichlorobenzene	6.898	146	372118	41.238	ng	100
14) 1,2-Dichlorobenzene	7.051	146	356137	41.204	ng	100
15) Benzyl Alcohol	7.022	79	291212	41.707	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	804199	41.052	ng	100
17) 2-Methylphenol	7.128	107	261669	41.430	ng	100
18) Hexachloroethane	7.398	117	124325	41.313	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	254701	39.929	ng	100
20) 3+4-Methylphenols	7.281	107	314281	42.934	ng	100
22) Acetophenone	7.292	105	415513	40.946	ng	100
24) Nitrobenzene	7.463	77	375708	42.828	ng	100
25) Isophorone	7.704	82	677007	40.645	ng	100
26) 2-Nitrophenol	7.781	139	167096	44.428	ng	100
27) 2,4-Dimethylphenol	7.810	122	282923	41.818	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	425986	40.486	ng	100
29) 2,4-Dichlorophenol	8.022	162	294452	41.782	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	286330	41.312	ng	100
31) Naphthalene	8.187	128	894263	40.961	ng	100
32) Benzoic acid	7.916	122	199609m	42.630	ng	
33) 4-Chloroaniline	8.234	127	340866	41.630	ng	100
34) Hexachlorobutadiene	8.304	225	198282	41.170	ng	100
35) Caprolactam	8.604	113	91458	40.816	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	275908	40.758	ng	100
37) 2-Methylnaphthalene	8.881	142	591428	40.669	ng	100
38) 1-Methylnaphthalene	8.981	142	581114	41.196	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	306622	42.665	ng	100
41) Hexachlorocyclopentadiene	9.034	237	133694	44.842	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	231469	44.081	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	237161	42.739	ng	100
46) 1,1'-Biphenyl	9.345	154	714293	41.490	ng	100
47) 2-Chloronaphthalene	9.369	162	591442	41.204	ng	100
48) 2-Nitroaniline	9.463	65	203733	44.894	ng	100
49) Acenaphthylene	9.786	152	844067	41.828	ng	100
50) Dimethylphthalate	9.639	163	671290	40.653	ng	100
51) 2,6-Dinitrotoluene	9.704	165	136198	44.481	ng	100
52) Acenaphthene	9.957	154	547286	41.390	ng	100
53) 3-Nitroaniline	9.875	138	159366	42.507	ng	100
54) 2,4-Dinitrophenol	9.981	184	62187	37.010	ng	100
55) Dibenzofuran	10.128	168	776950	41.625	ng	100
56) 4-Nitrophenol	10.028	139	121519	42.807	ng	100
57) 2,4-Dinitrotoluene	10.110	165	189965	45.597	ng	100
58) Fluorene	10.475	166	570508	40.506	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	168932	43.006	ng	100
60) Diethylphthalate	10.345	149	635433	41.422	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	310008	41.632	ng	100
62) 4-Nitroaniline	10.486	138	151866	42.123	ng	100
63) Azobenzene	10.628	77	665698	41.521	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	98551	44.075	ng	100
66) n-Nitrosodiphenylamine	10.586	169	583617	41.773	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	205559	41.803	ng	100
68) Hexachlorobenzene	11.022	284	237363	41.695	ng	100
69) Atrazine	11.110	200	173212	40.905	ng	100
70) Pentachlorophenol	11.216	266	140140	42.862	ng	100
71) Phenanthrene	11.439	178	868592	40.266	ng	100
72) Anthracene	11.492	178	912011	41.850	ng	100
73) Carbazole	11.645	167	786783	40.765	ng	100
74) Di-n-butylphthalate	11.975	149	936899	41.884	ng	100
75) Fluoranthene	12.627	202	918503	41.223	ng	100
77) Benzidine	12.751	184	387464	43.833	ng	100
78) Pyrene	12.863	202	948521	44.692	ng	100
80) Butylbenzylphthalate	13.480	149	315716	45.804	ng	100
81) Benzo(a)anthracene	14.051	228	711609	42.715	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	224071	44.135	ng	100
83) Chrysene	14.086	228	658639	42.717	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	376273	45.286	ng	100
85) Di-n-octyl phthalate	14.657	149	608123	44.561	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	699234	45.470	ng	100
88) Benzo(b)fluoranthene	15.104	252	636888	44.178	ng	100
89) Benzo(k)fluoranthene	15.133	252	556111	41.688	ng	100
90) Benzo(a)pyrene	15.480	252	553098	44.246	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	566134	45.774	ng	100
92) Benzo(g,h,i)perylene	17.492	276	560761	45.340	ng	100

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

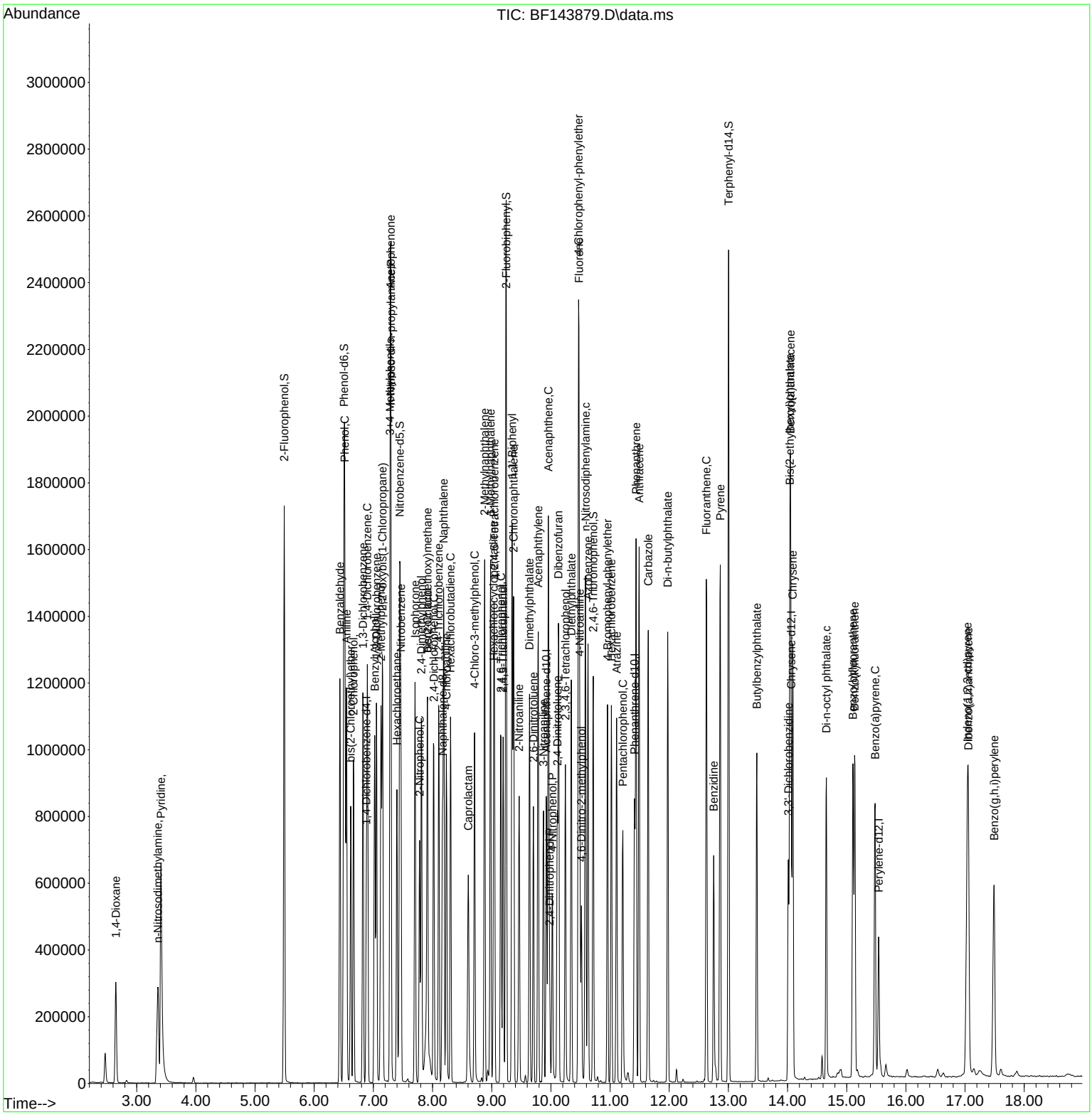
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

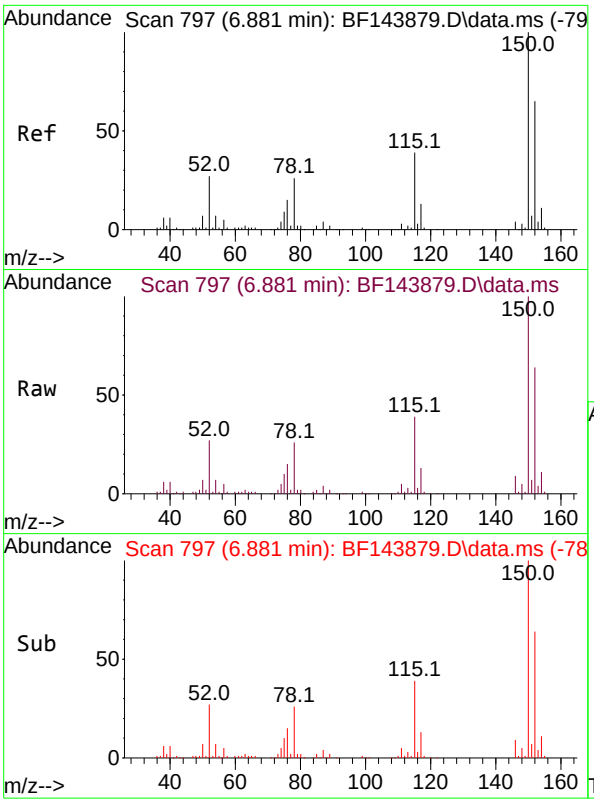
Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

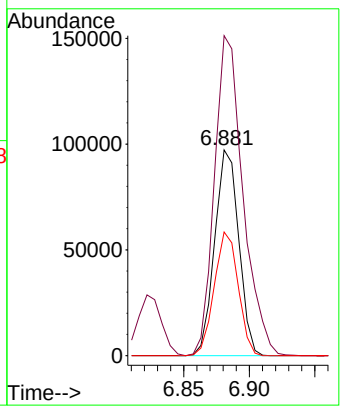




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:152 Resp: 12415

Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	60.1	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
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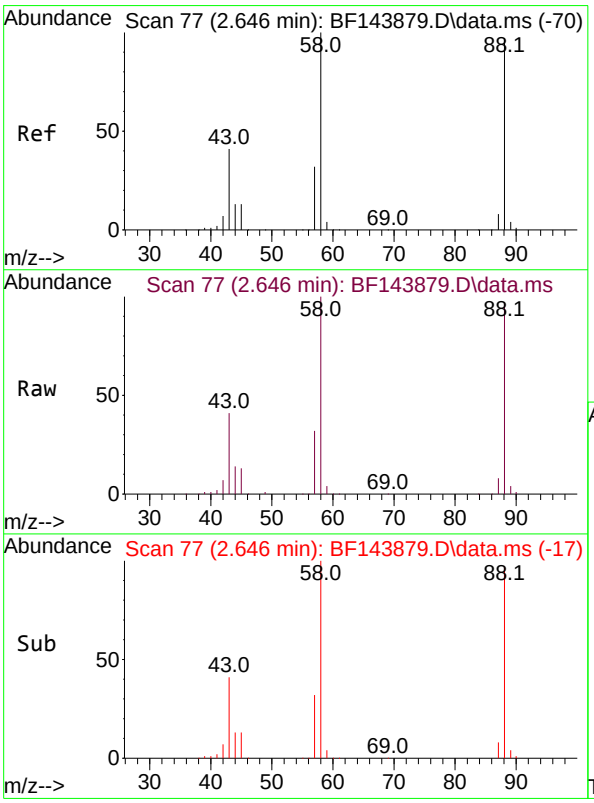
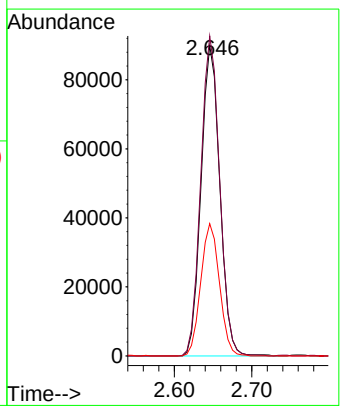
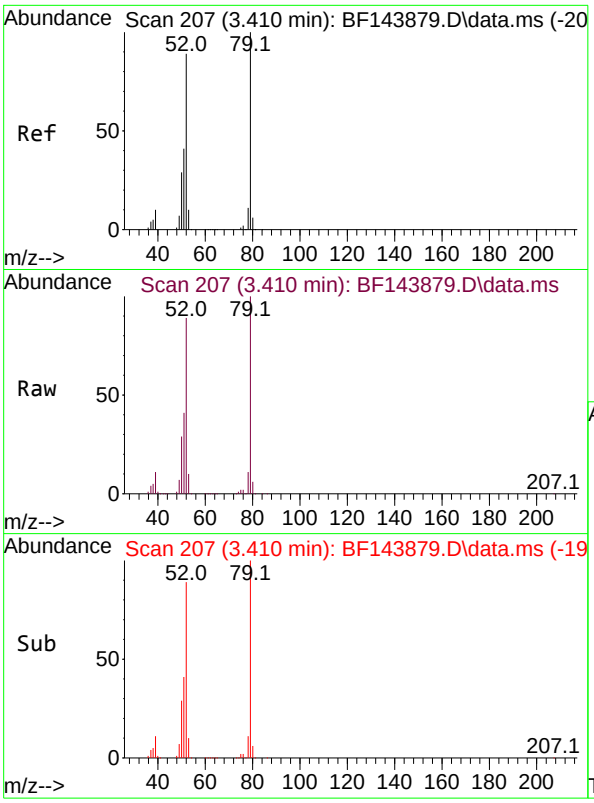


#2
1,4-Dioxane
Concen: 41.781 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 88 Resp: 151157

Ion	Ratio	Lower	Upper
88	100		
58	103.8	83.0	124.6
43	42.4	33.9	50.9

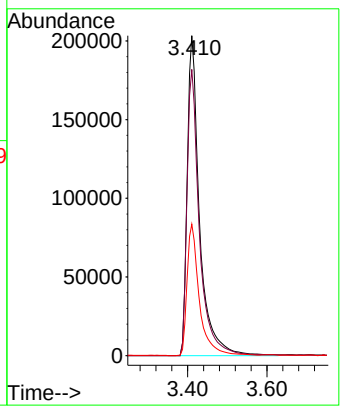




#3
Pyridine
Concen: 41.775 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 79 Resp: 43998

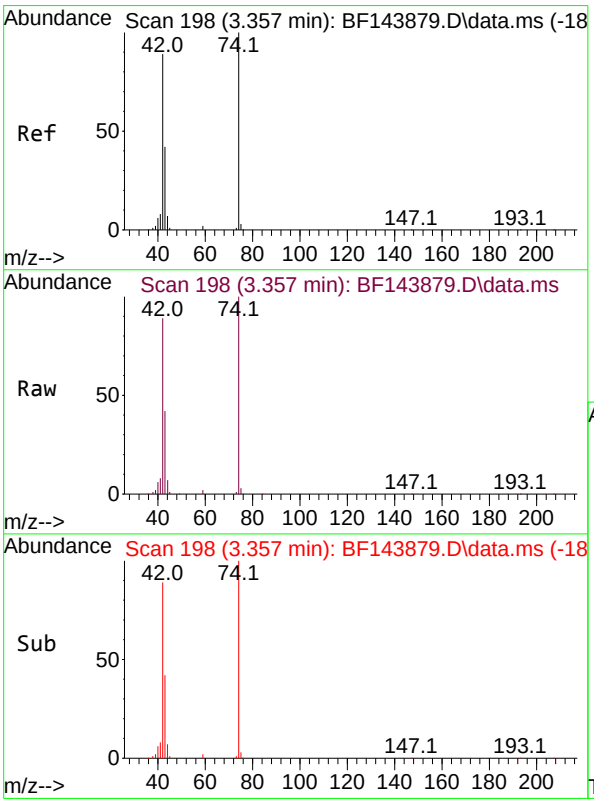
Ion	Ratio	Lower	Upper
79	100		
52	89.4	71.5	107.3
51	41.1	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

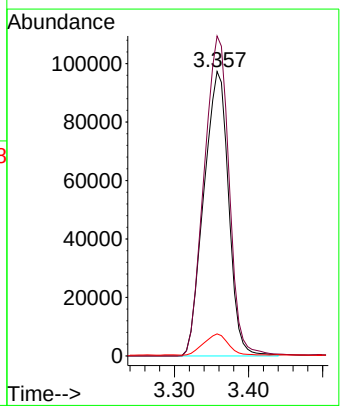
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

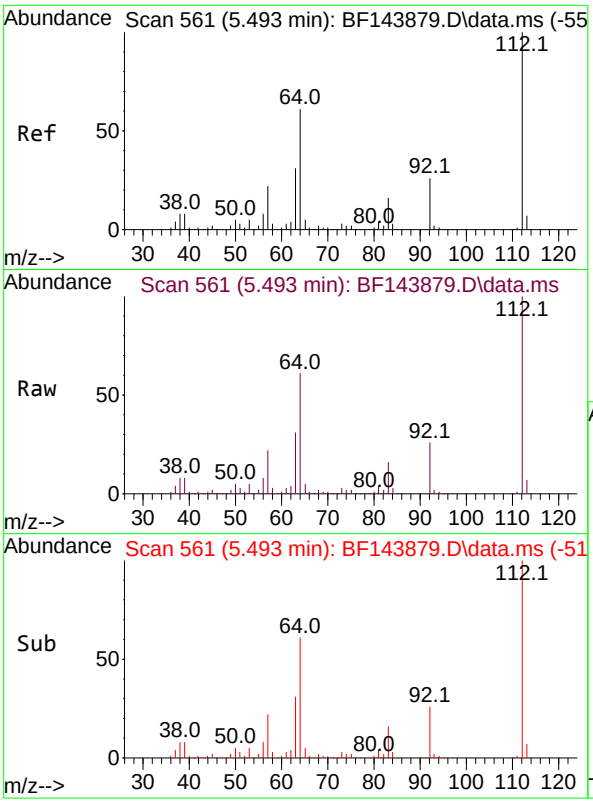


#4
n-Nitrosodimethylamine
Concen: 40.760 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 42 Resp: 225827

Ion	Ratio	Lower	Upper
42	100		
74	112.5	90.0	135.0
44	7.7	6.2	9.2

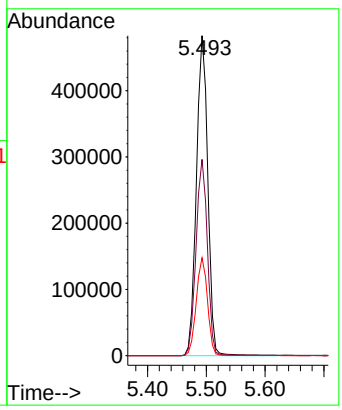




#5
2-Fluorophenol
Concen: 83.027 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:112 Resp: 64912

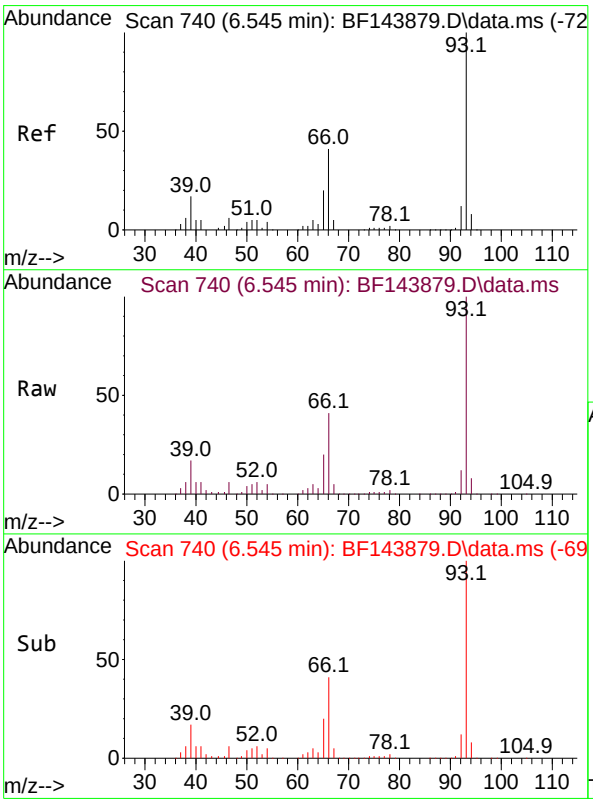
Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.1	73.7
63	30.6	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

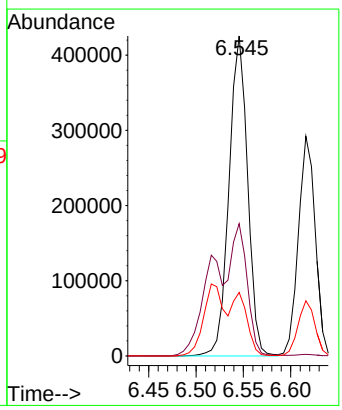
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

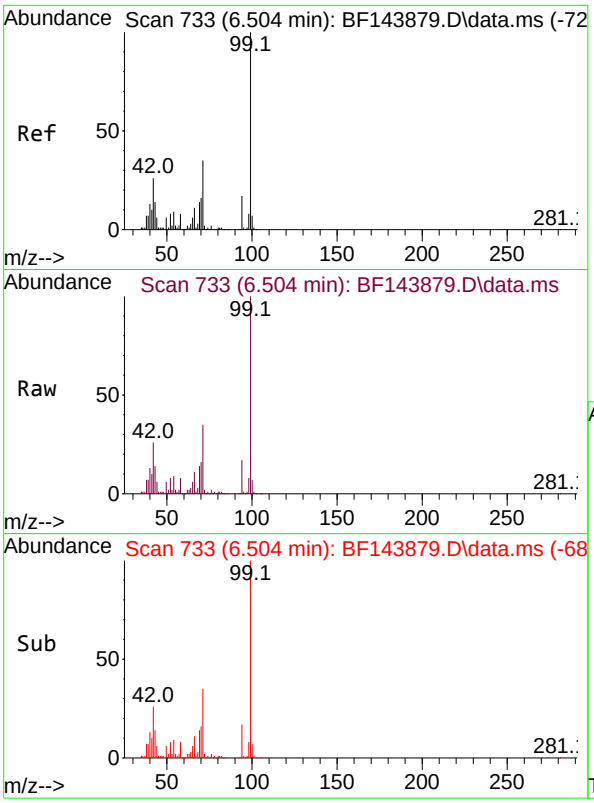


#6
Aniline
Concen: 41.662 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 581779

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.0	49.6
65	19.8	15.8	23.8

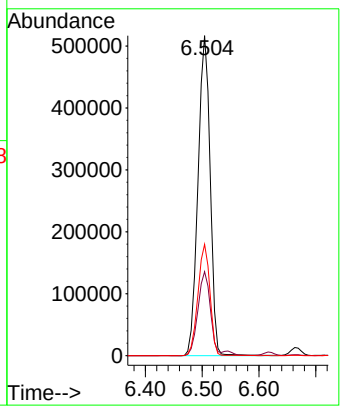




#7
Phenol-d6
Concen: 82.158 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 99 Resp: 765629

Ion	Ratio	Lower	Upper
99	100		
42	26.2	21.0	31.4
71	34.8	27.8	41.8



Instrument :
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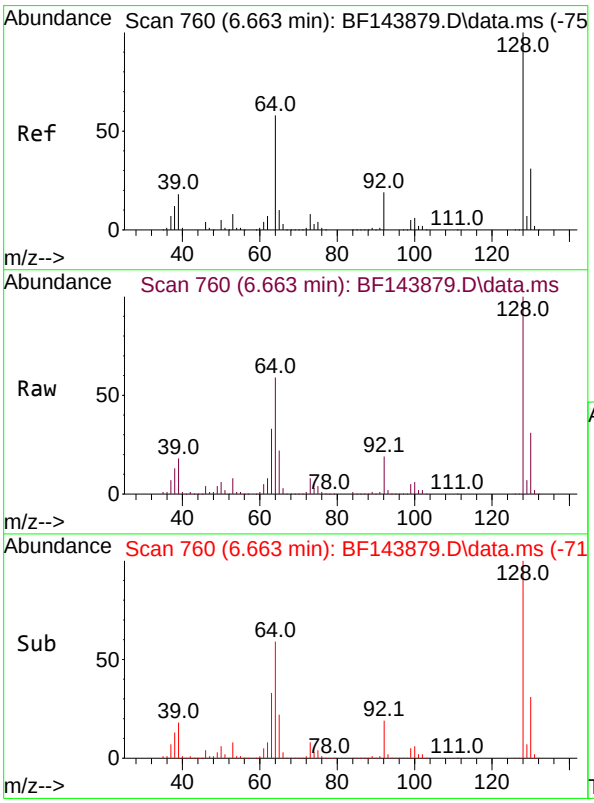
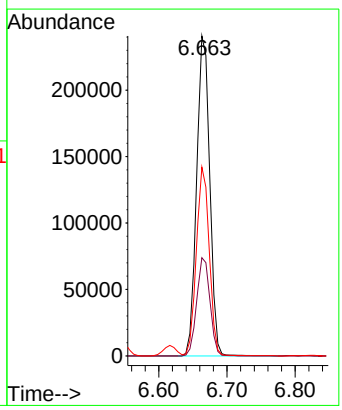
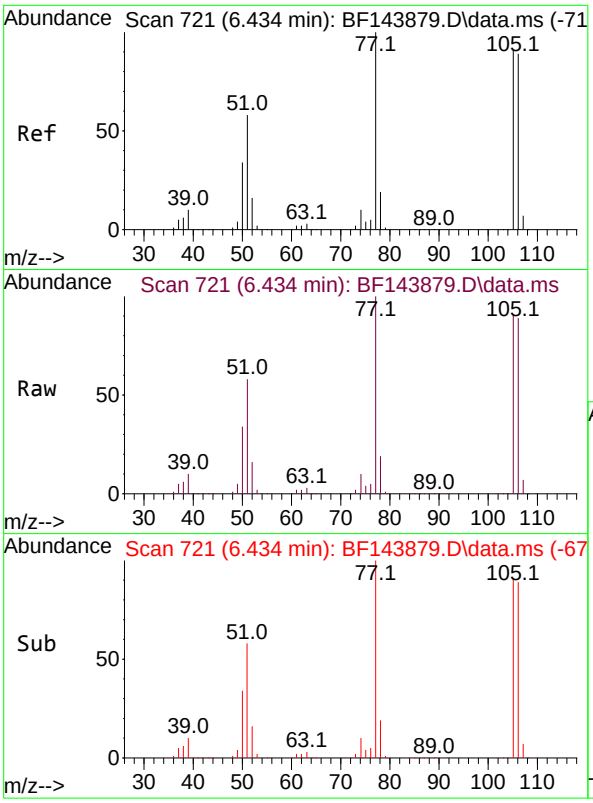


#8
2-Chlorophenol
Concen: 42.055 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:128 Resp: 321394

Ion	Ratio	Lower	Upper
128	100		
130	30.7	10.7	50.7
64	59.0	39.0	79.0

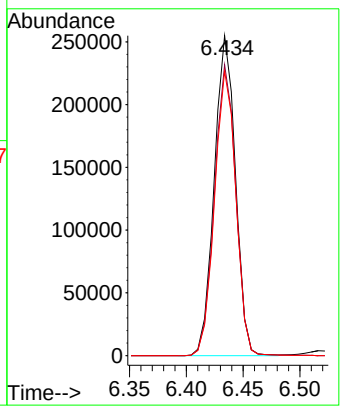




#9
Benzaldehyde
Concen: 45.914 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 33006

Ion	Ratio	Lower	Upper
77	100		
105	90.9	70.9	110.9
106	88.9	68.9	108.9



Instrument :
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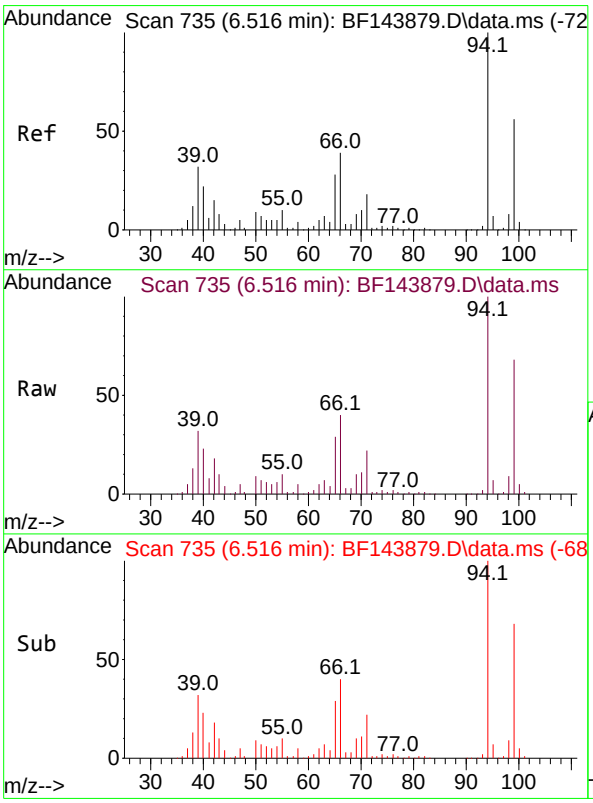
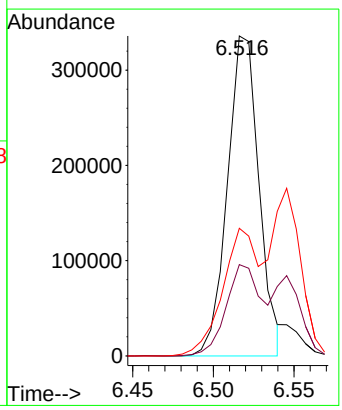
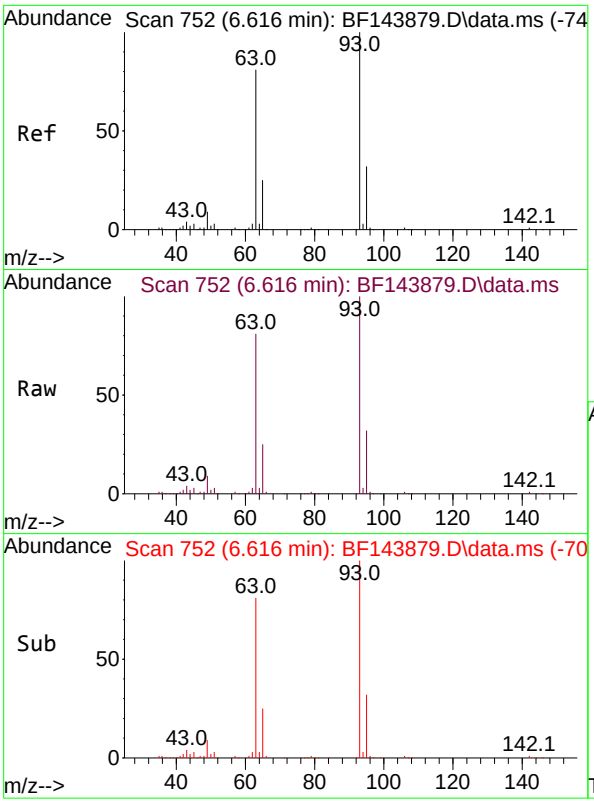


#10
Phenol
Concen: 41.042 ng m
RT: 6.516 min Scan# 735
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 94 Resp: 457250

Ion	Ratio	Lower	Upper
94	100		
65	28.5	8.5	48.5
66	39.9	19.9	59.9

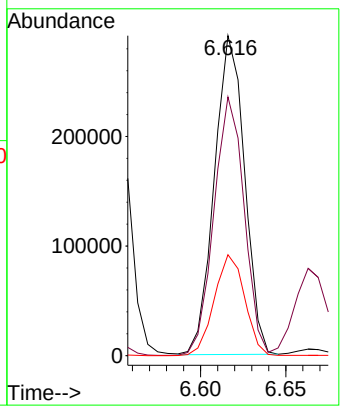




#11
bis(2-Chloroethyl)ether
Concen: 41.712 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 35898

Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.9	100.9
95	31.5	11.5	51.5



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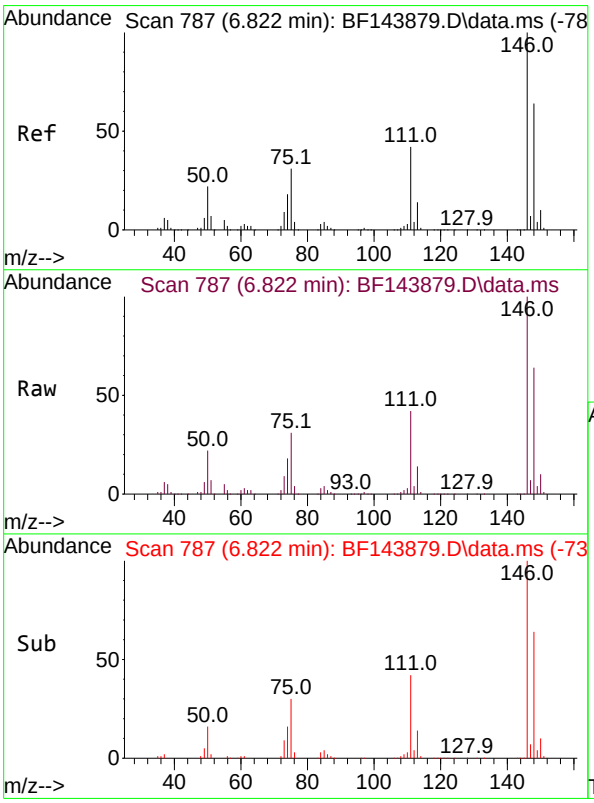
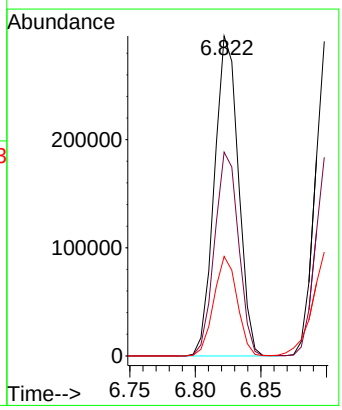
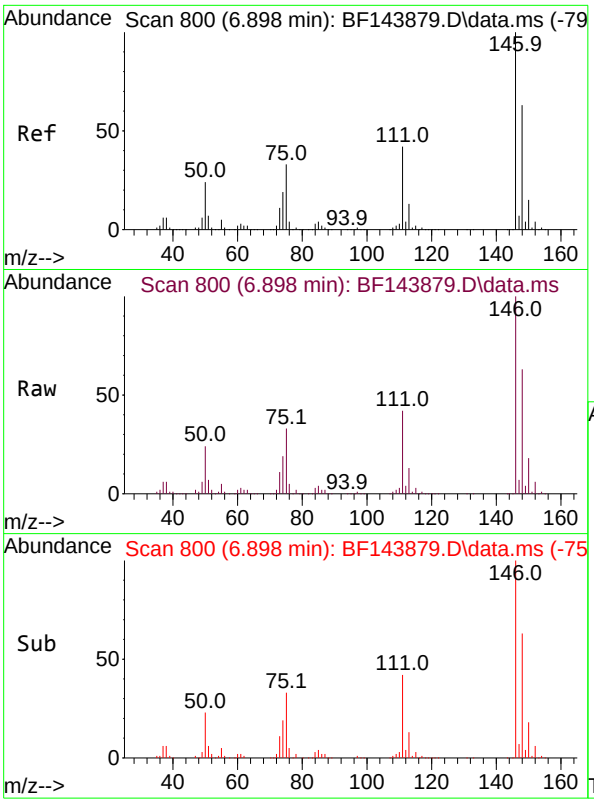


#12
1,3-Dichlorobenzene
Concen: 41.141 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 376359

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	31.1	24.9	37.3

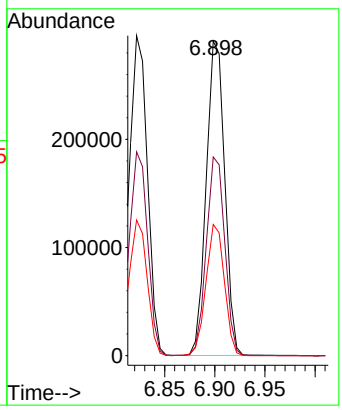




#13
1,4-Dichlorobenzene
Concen: 41.238 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 37211

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.7	33.4	50.0



Instrument :
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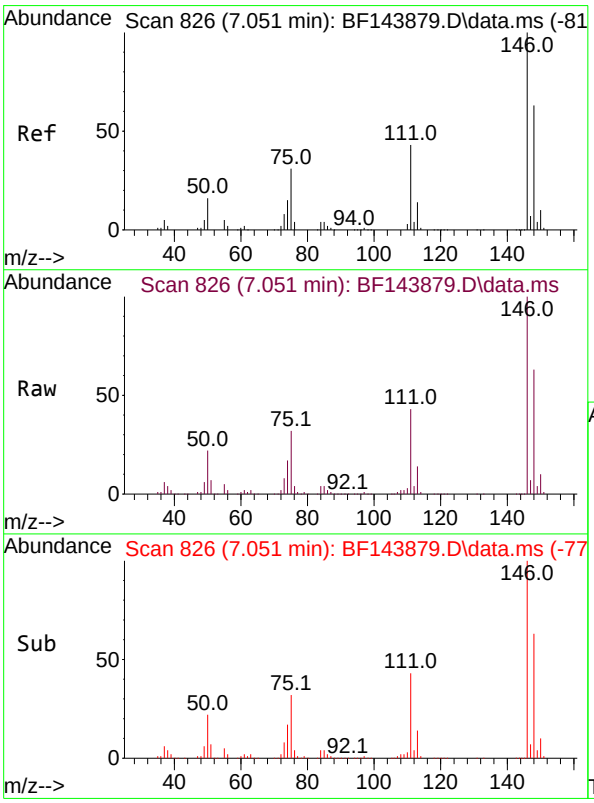
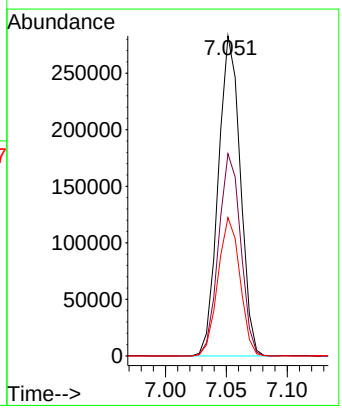
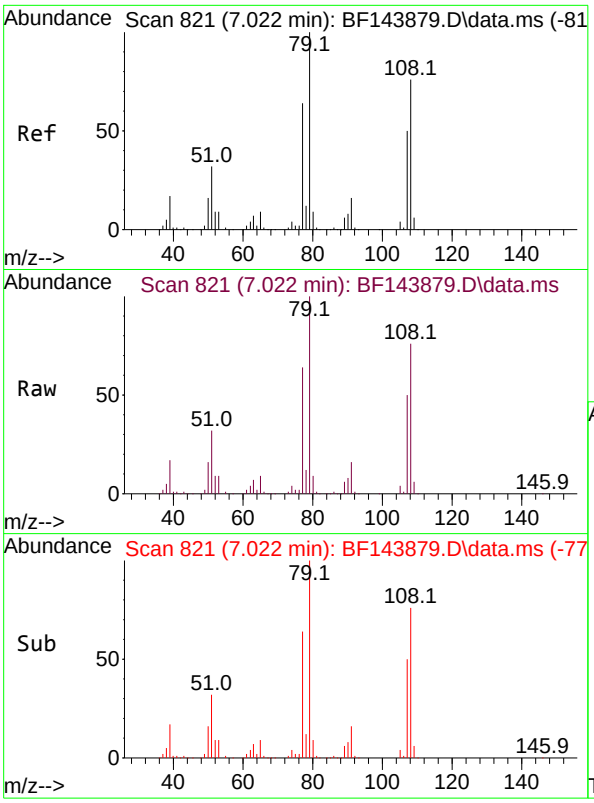


#14
1,2-Dichlorobenzene
Concen: 41.204 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 356137

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
111	43.2	34.6	51.8





#15
Benzyl Alcohol
Concen: 41.707 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 79 Resp: 29121

Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	63.8	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
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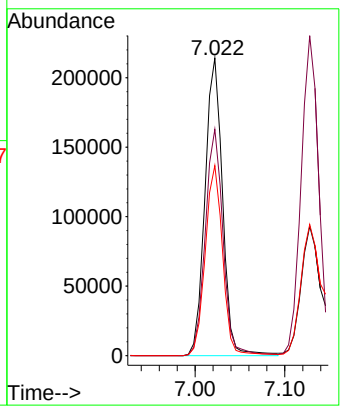
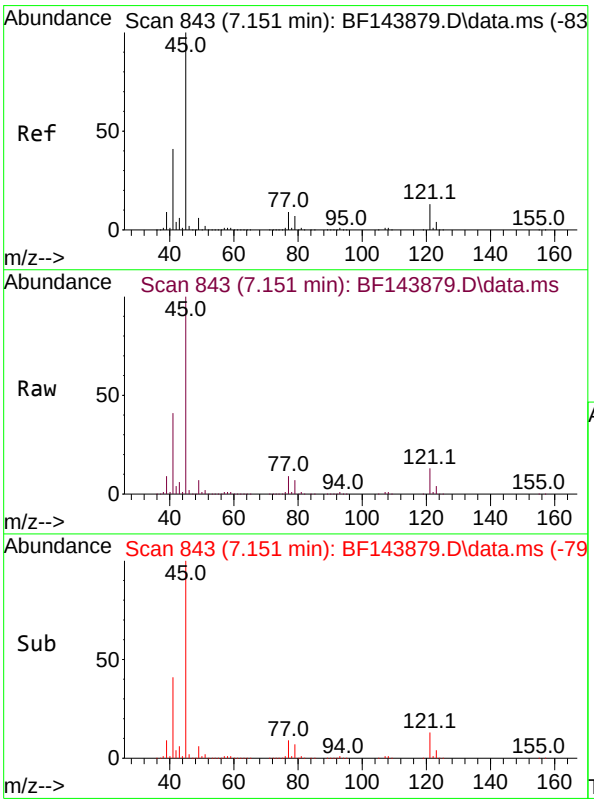
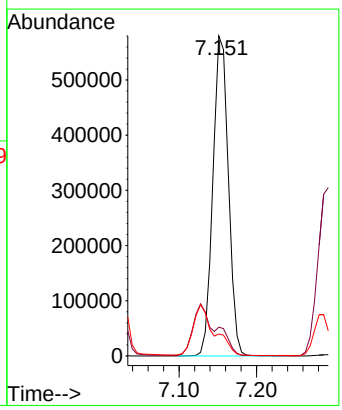


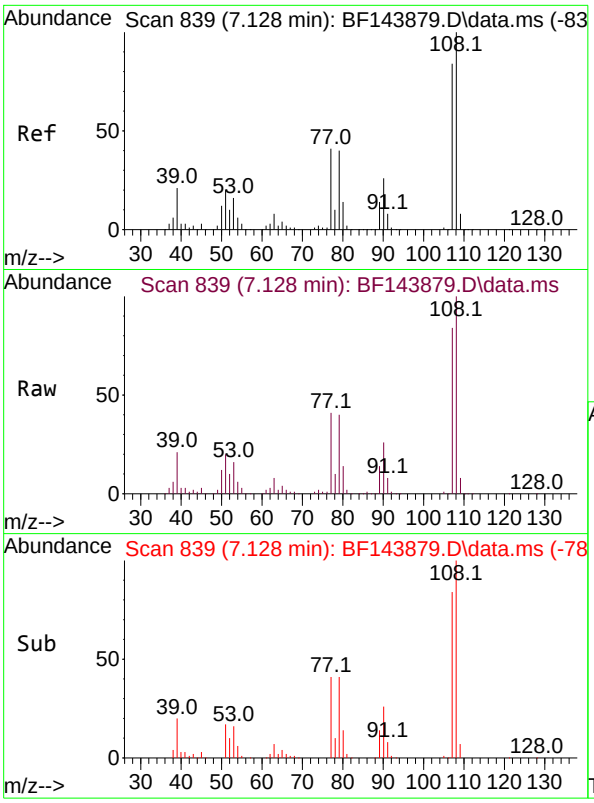


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.052 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 45 Resp: 804199

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.8	0.0	26.8

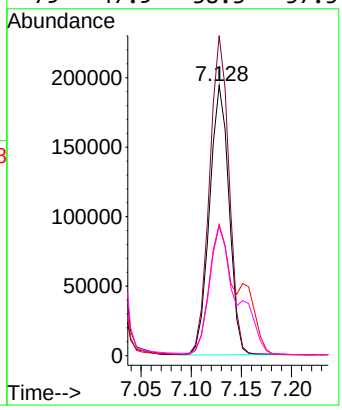




#17
2-Methylphenol
Concen: 41.430 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 26166

Ion	Ratio	Lower	Upper
107	100		
108	118.4	94.7	142.1
77	48.5	38.8	58.2
79	47.9	38.3	57.5



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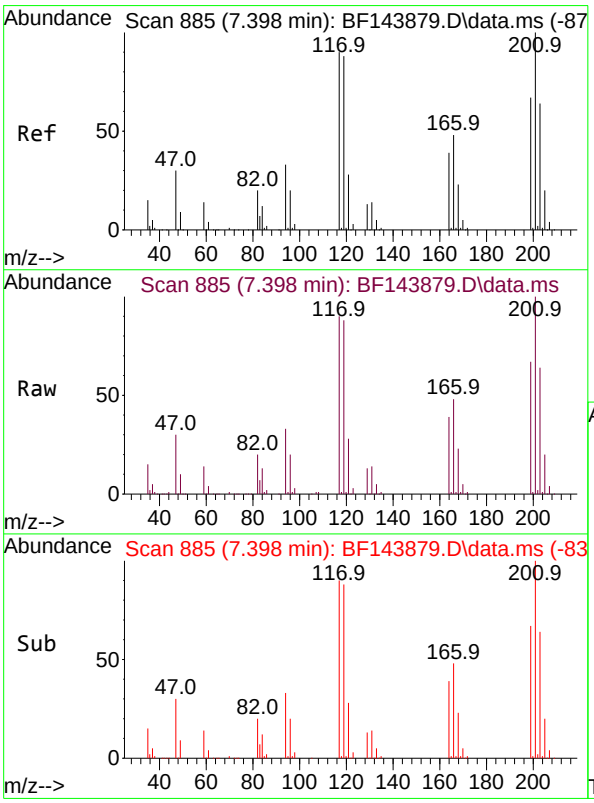
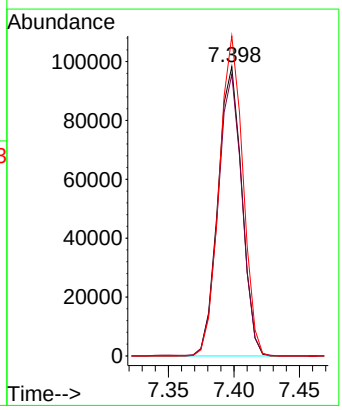
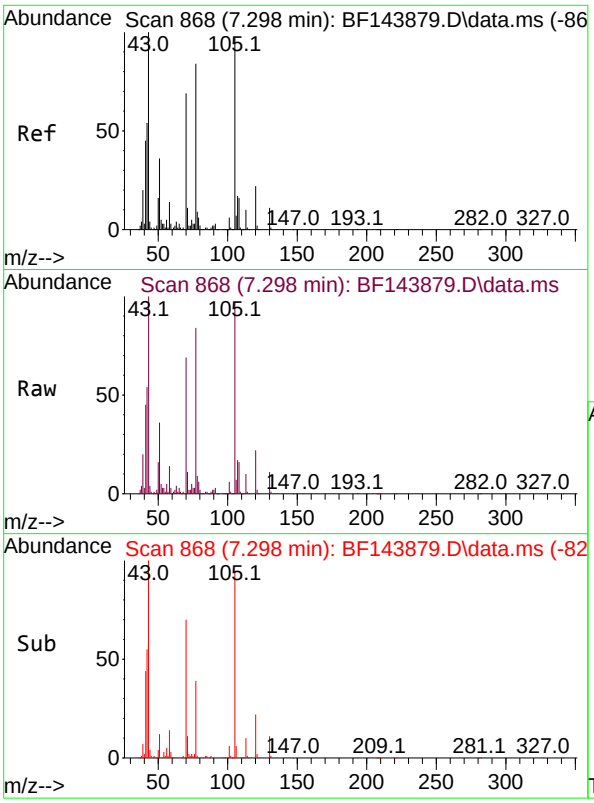


#18
Hexachloroethane
Concen: 41.313 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:117 Resp: 124325

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
201	110.6	88.5	132.7

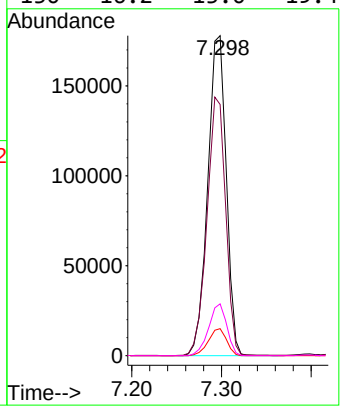




#19
n-Nitroso-di-n-propylamine
Concen: 39.929 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 70 Resp: 25470

Ion	Ratio	Lower	Upper
70	100		
42	78.5	62.8	94.2
101	8.4	6.7	10.1
130	16.2	13.0	19.4



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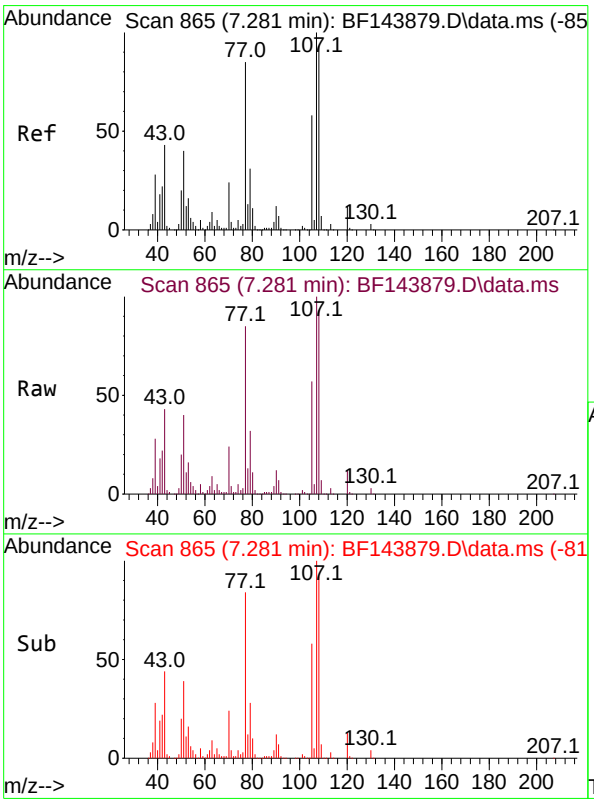
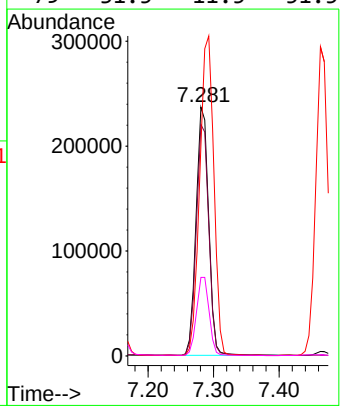
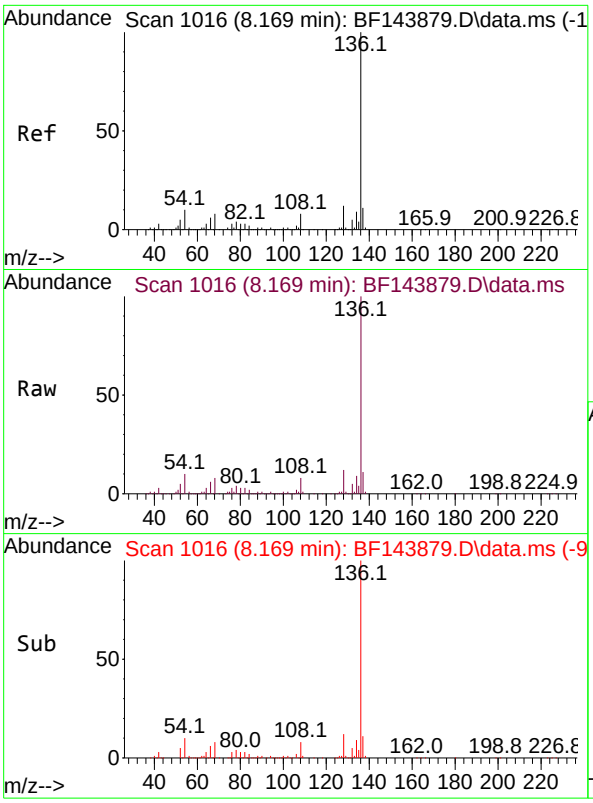


#20
3+4-Methylphenols
Concen: 42.934 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 314281

Ion	Ratio	Lower	Upper
107	100		
108	93.0	73.0	113.0
77	84.6	64.6	104.6
79	31.5	11.5	51.5

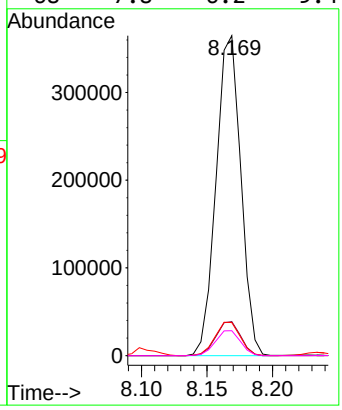




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:136 Resp: 47993

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.3	8.2	12.4
68	7.8	6.2	9.4



Instrument :
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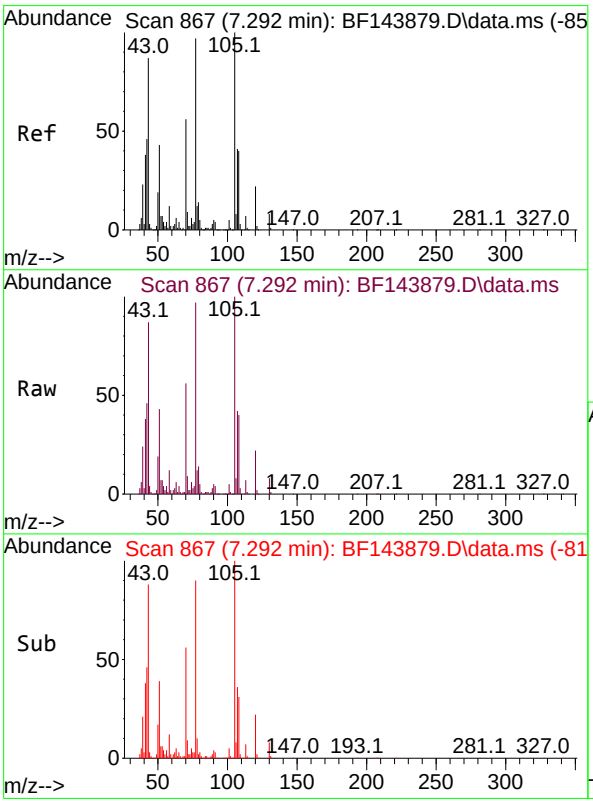
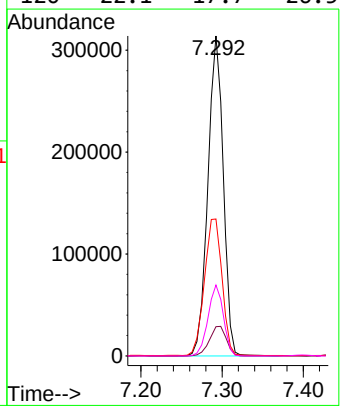
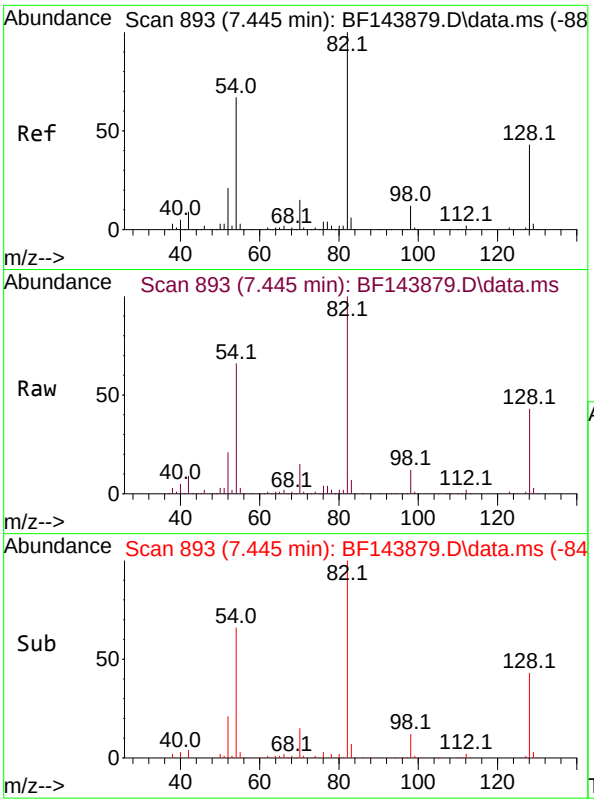


#22
Acetophenone
Concen: 40.946 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:105 Resp: 415513

Ion	Ratio	Lower	Upper
105	100		
71	9.2	7.4	11.0
51	42.8	34.2	51.4
120	22.1	17.7	26.5

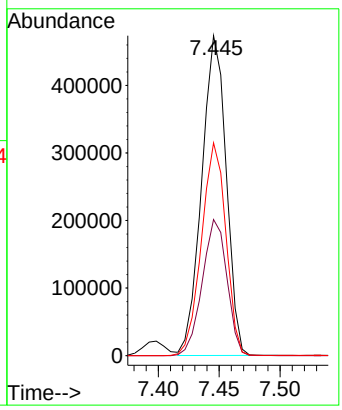




#23
Nitrobenzene-d5
Concen: 83.898 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 82 Resp: 662754

Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	66.5	53.2	79.8



Instrument :
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ClientSampleId :
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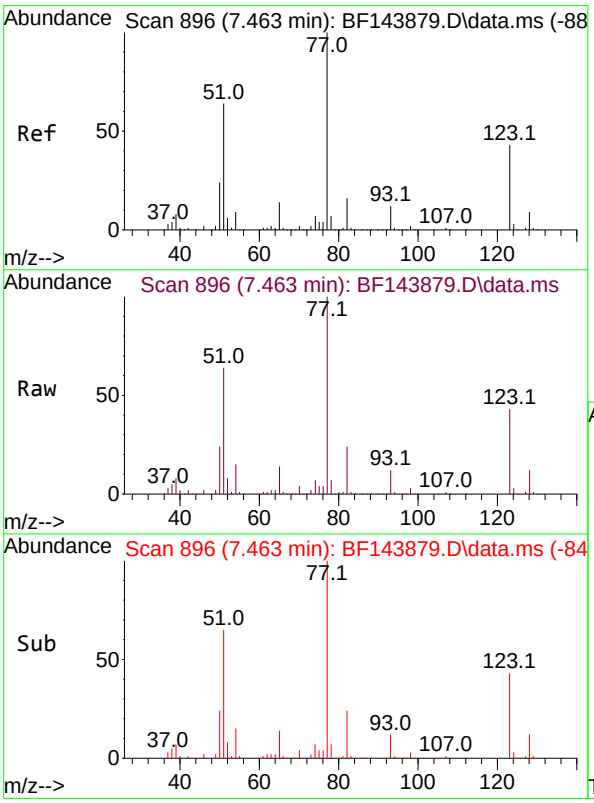
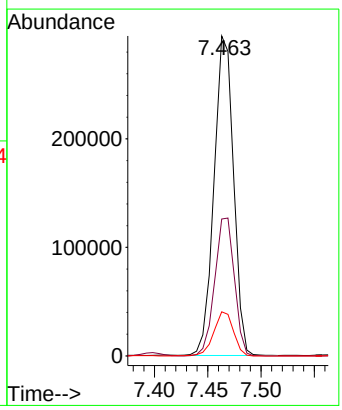
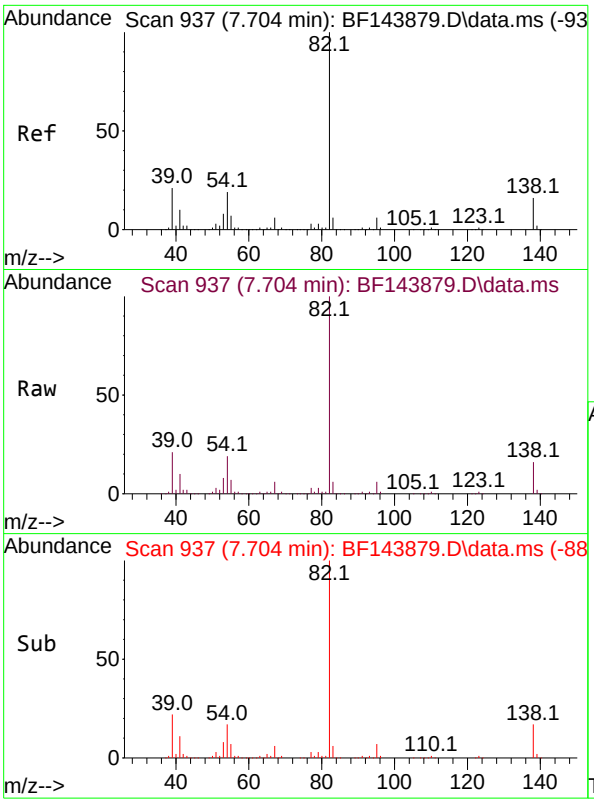


#24
Nitrobenzene
Concen: 42.828 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 375708

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.2	51.4
65	13.8	11.0	16.6

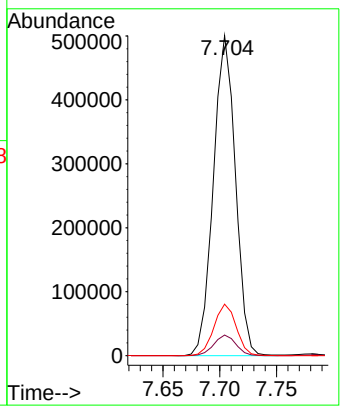




#25
Isophorone
Concen: 40.645 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 82 Resp: 67700

Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.1	7.7
138	16.1	12.9	19.3



Instrument :
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ClientSampleId :
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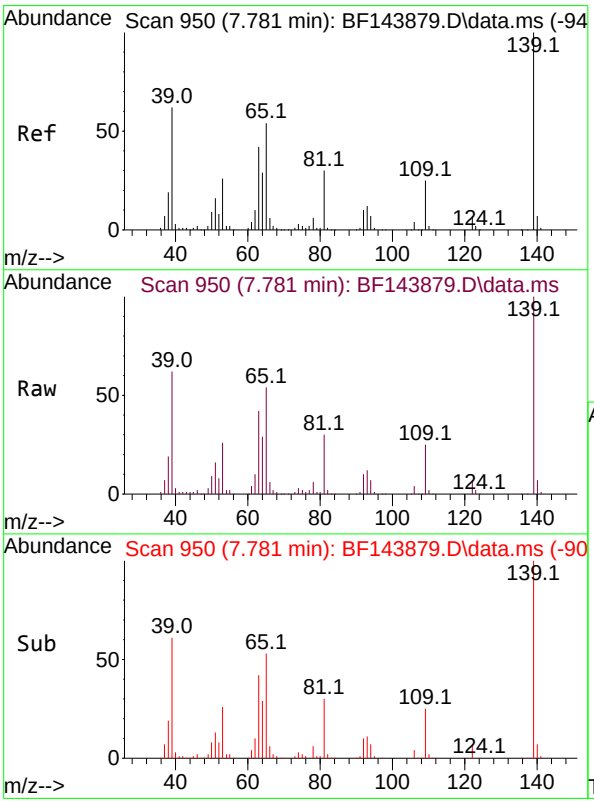
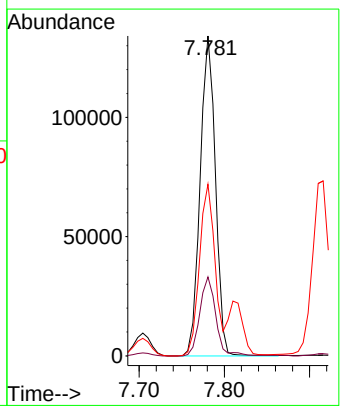
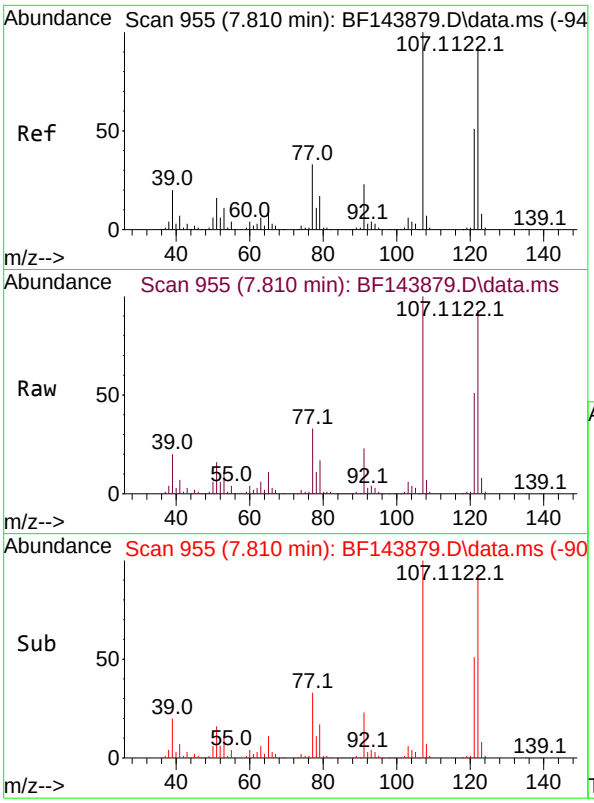


#26
2-Nitrophenol
Concen: 44.428 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:139 Resp: 167096

Ion	Ratio	Lower	Upper
139	100		
109	24.7	19.8	29.6
65	53.6	42.9	64.3

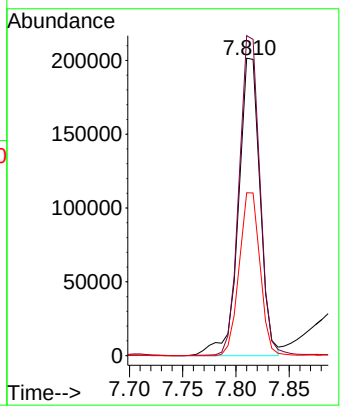




#27
2,4-Dimethylphenol
Concen: 41.818 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:122 Resp: 28292

Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.1	129.1
121	54.7	43.8	65.6



Instrument :
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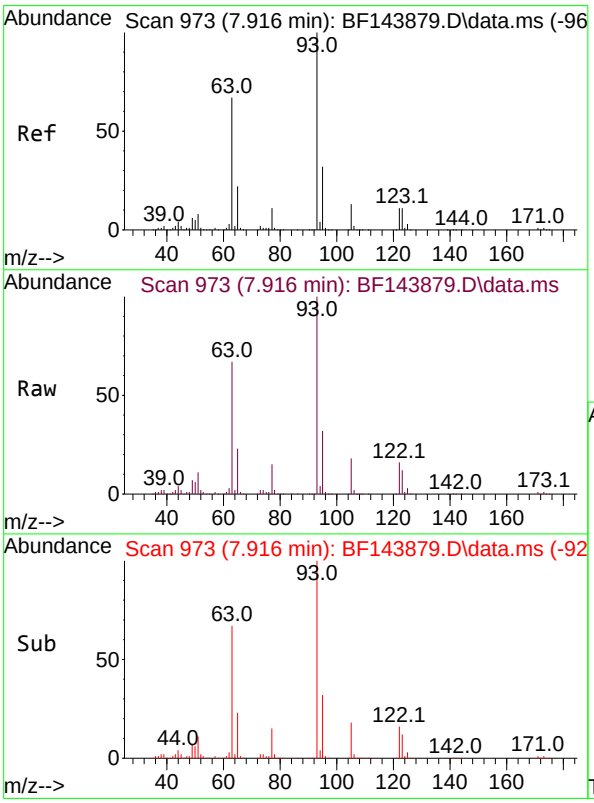
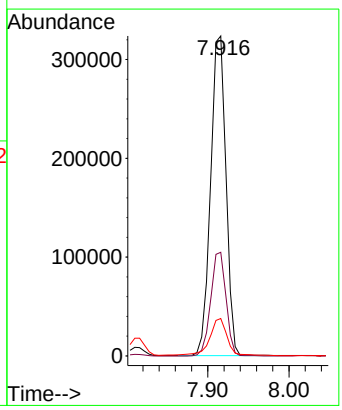
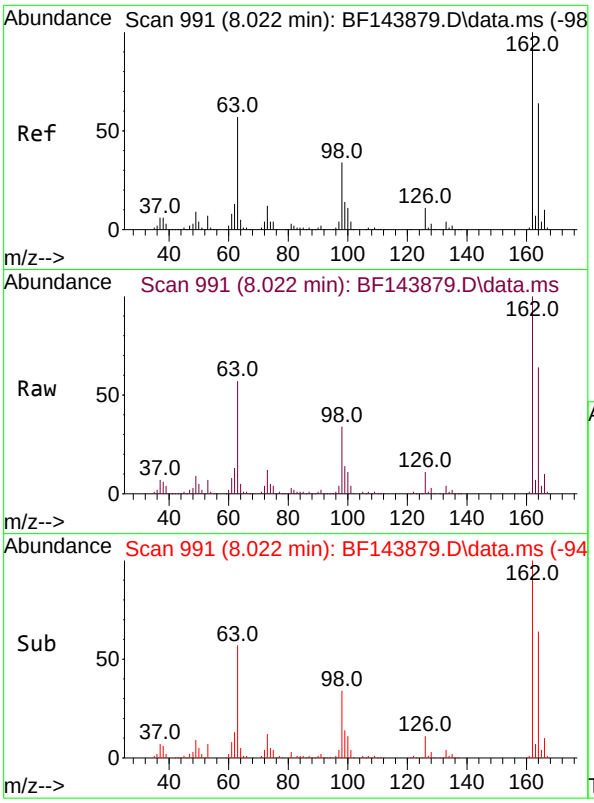


#28
bis(2-Chloroethoxy)methane
Concen: 40.486 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 425986

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.7	9.4	14.0





#29
2,4-Dichlorophenol
Concen: 41.782 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:162 Resp: 29445

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	34.4	14.4	54.4

Instrument :
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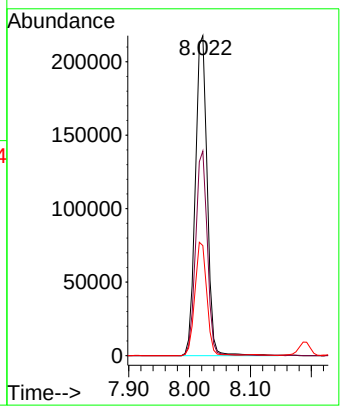
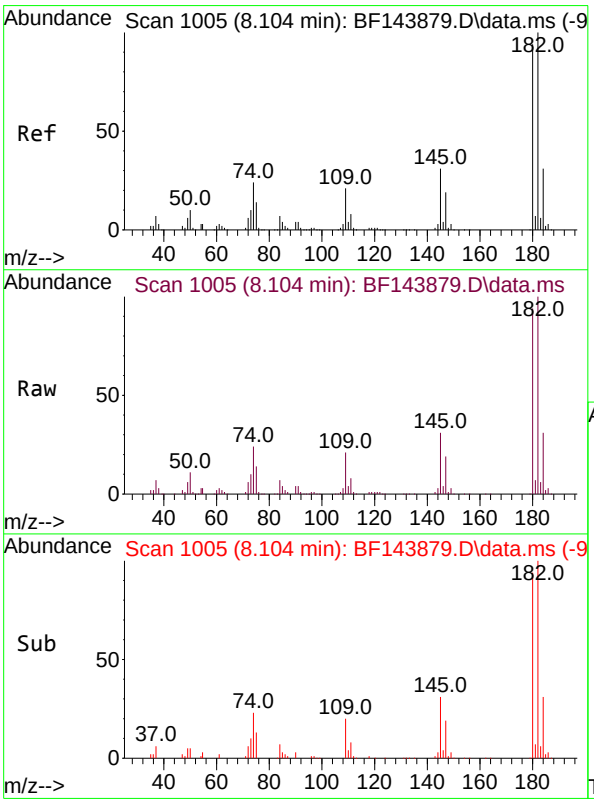
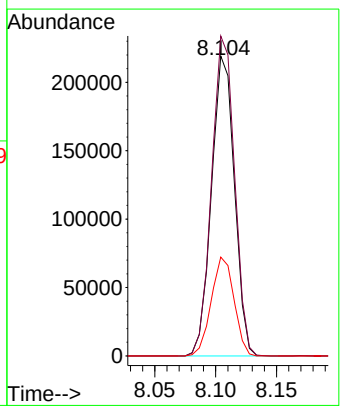


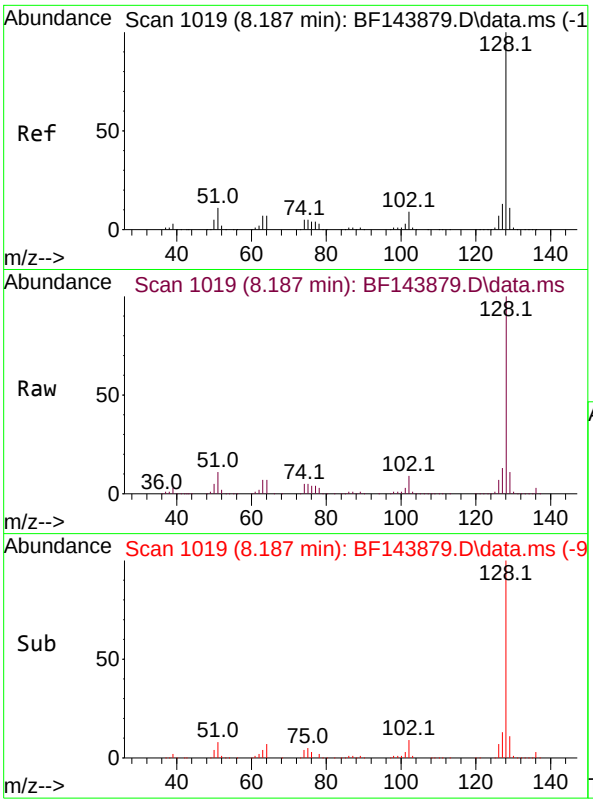


#30
1,2,4-Trichlorobenzene
Concen: 41.312 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:180 Resp: 286330

Ion	Ratio	Lower	Upper
180	100		
182	106.7	85.4	128.0
145	32.9	26.3	39.5

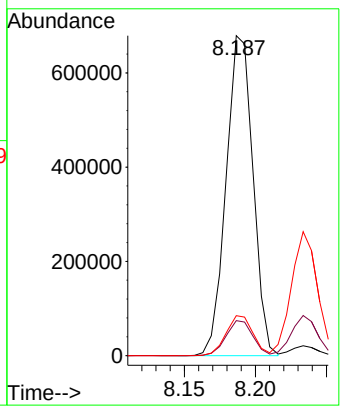




#31
Naphthalene
Concen: 40.961 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:128 Resp: 89426

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.5	10.0	15.0



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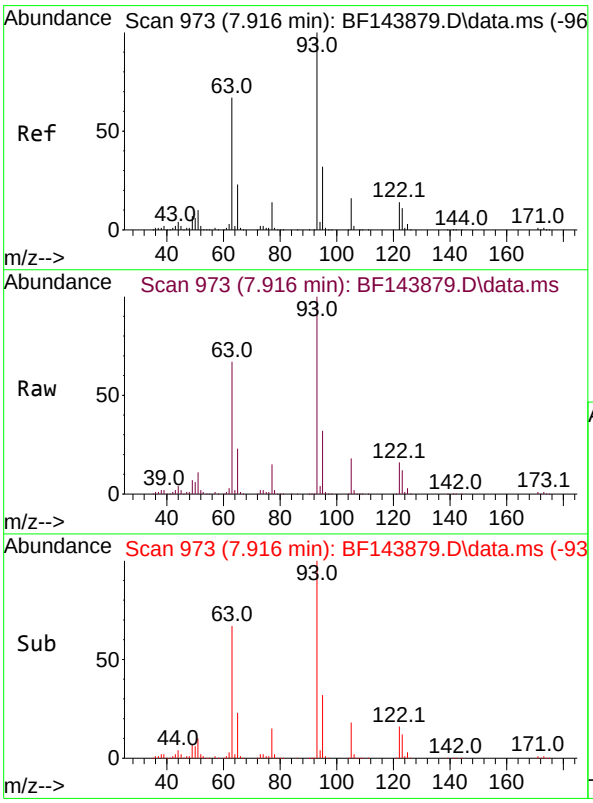
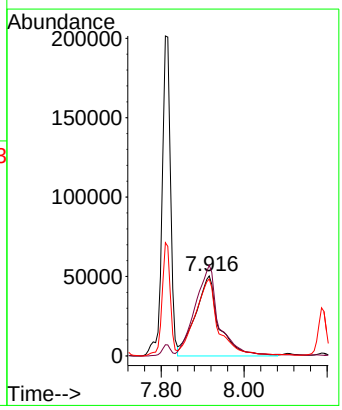
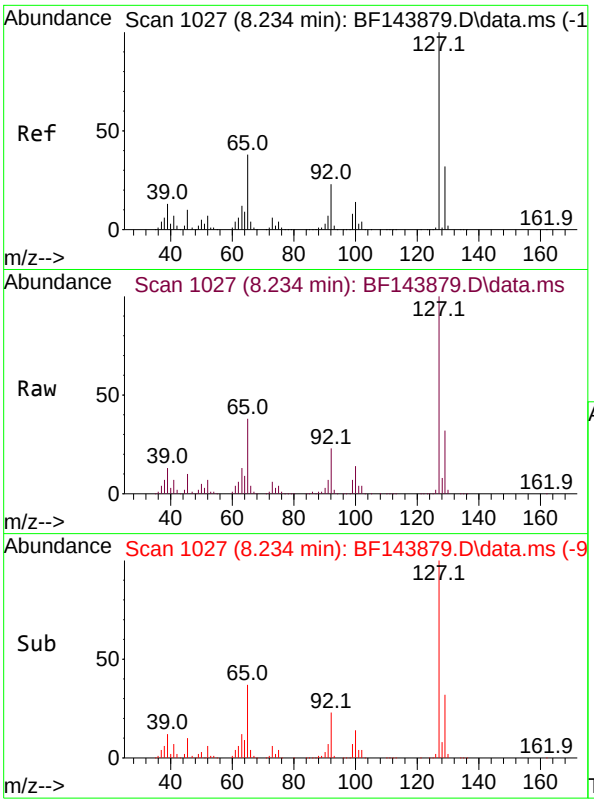


#32
Benzoic acid
Concen: 42.630 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.047 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:122 Resp: 199609

Ion	Ratio	Lower	Upper
122	100		
105	113.5	93.5	133.5
77	96.3	76.3	116.3

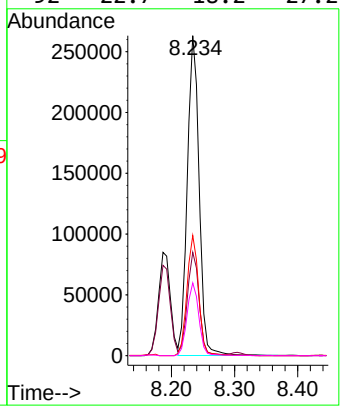




#33
4-Chloroaniline
Concen: 41.630 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:127 Resp: 34086

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	37.5	30.0	45.0
92	22.7	18.2	27.2



Instrument :
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ClientSampleId :
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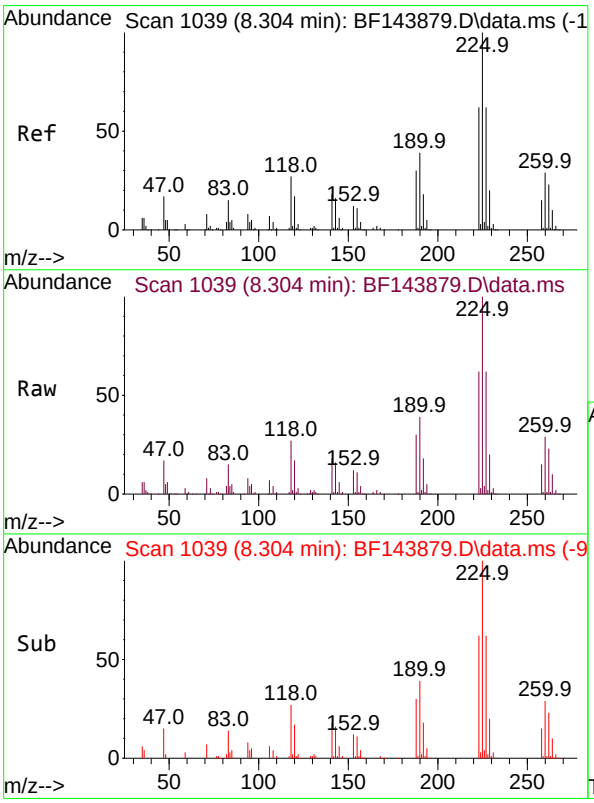
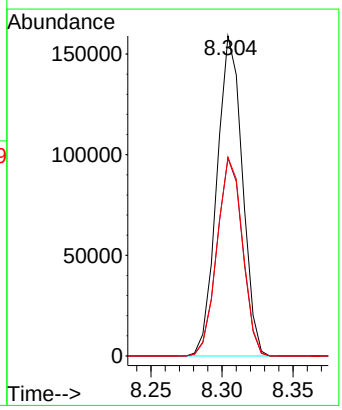
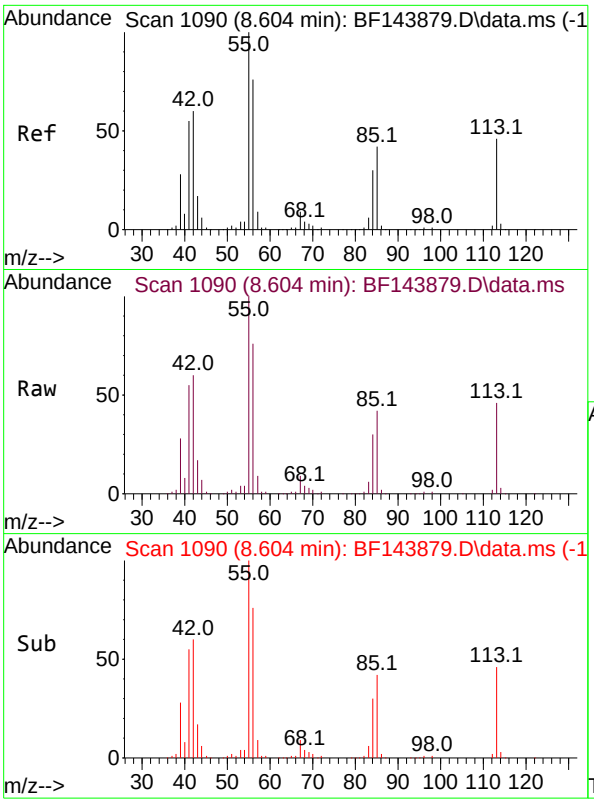


#34
Hexachlorobutadiene
Concen: 41.170 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:225 Resp: 198282

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.4	74.2
227	62.1	49.7	74.5

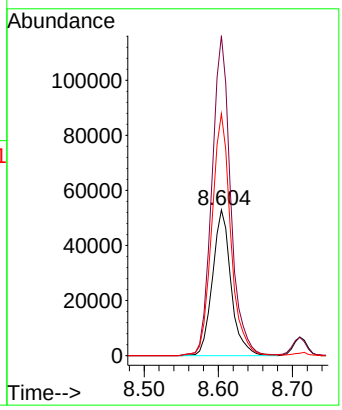




#35
Caprolactam
Concen: 40.816 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:113 Resp: 9145

Ion	Ratio	Lower	Upper
113	100		
55	219.6	199.6	239.6
56	166.0	146.0	186.0



Instrument :
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ClientSampleId :
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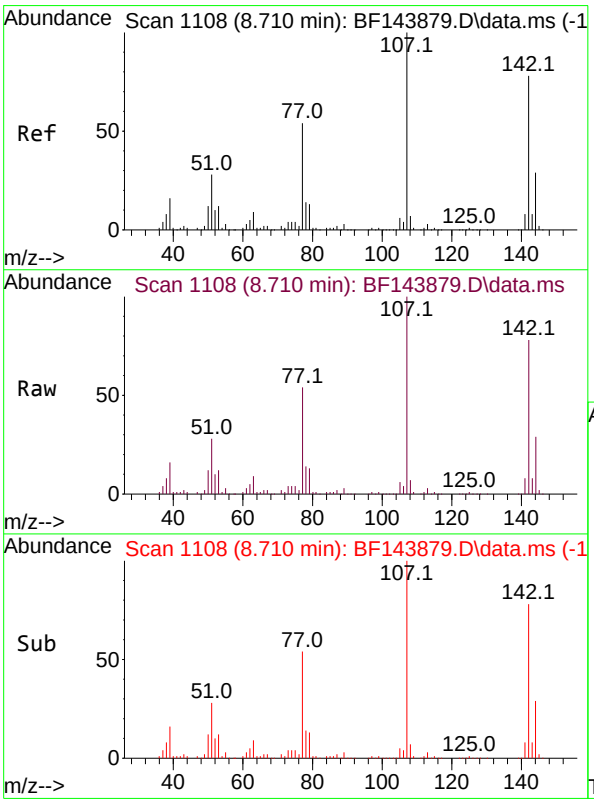
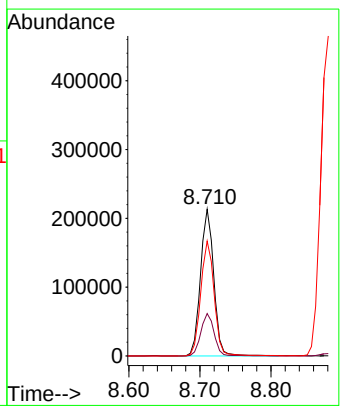
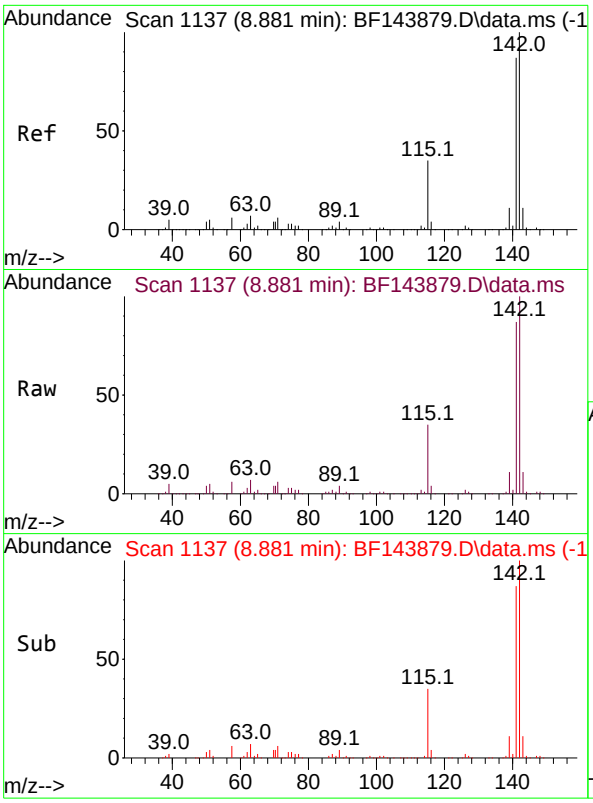


#36
4-Chloro-3-methylphenol
Concen: 40.758 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 275908

Ion	Ratio	Lower	Upper
107	100		
144	28.9	23.1	34.7
142	78.3	62.6	94.0

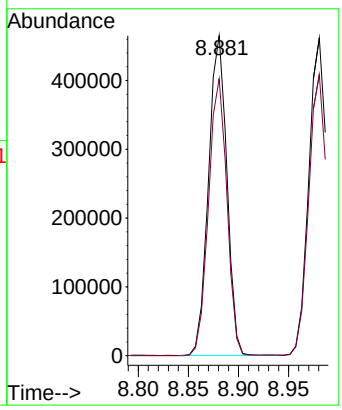




#37
2-Methylnaphthalene
Concen: 40.669 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:142 Resp: 59142

Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8



Instrument :
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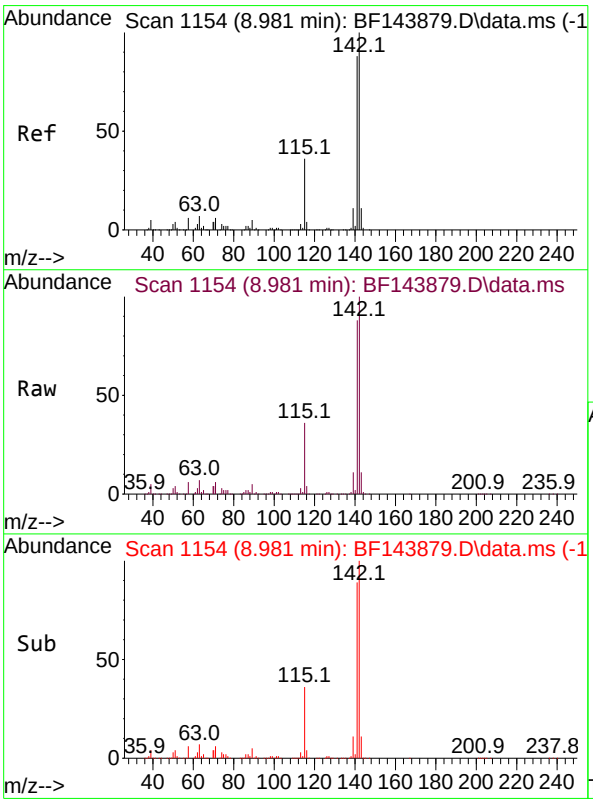
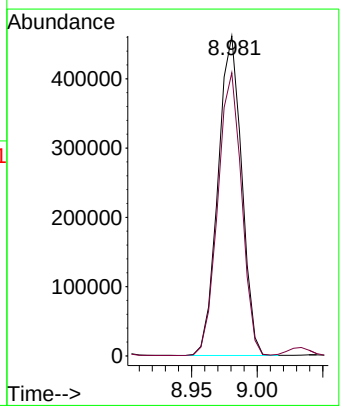
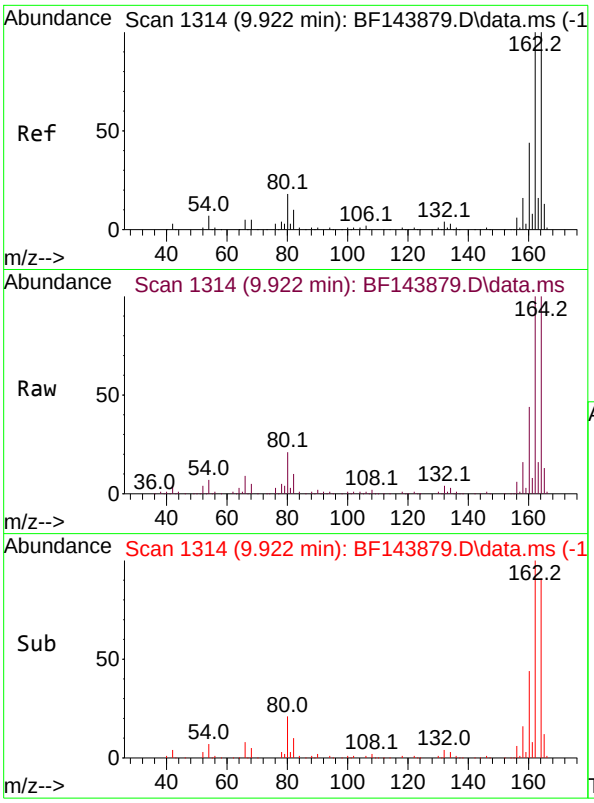


#38
1-Methylnaphthalene
Concen: 41.196 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:142 Resp: 581114

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

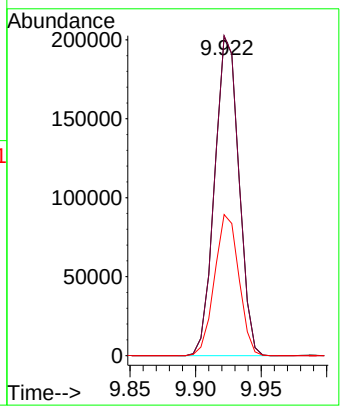




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:164 Resp: 26002

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.2
160	44.2	35.4	53.0



Instrument :
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ClientSampleId :
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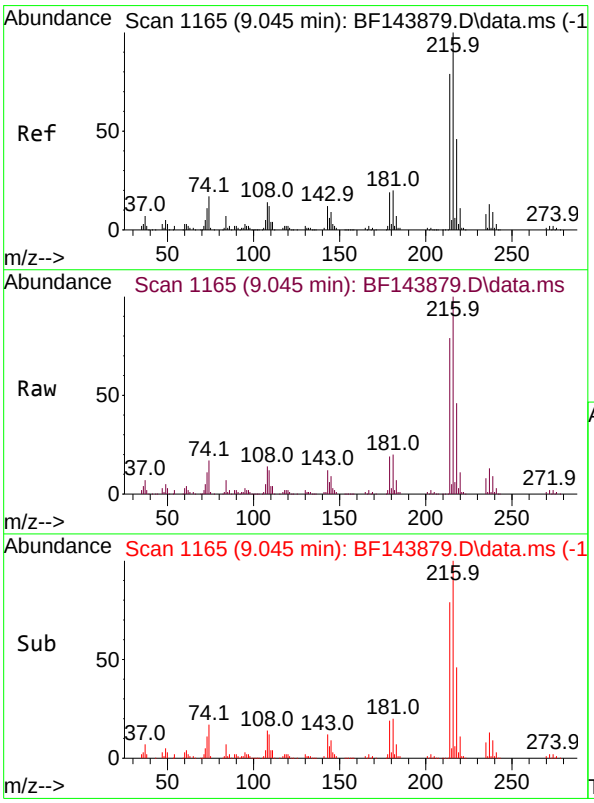
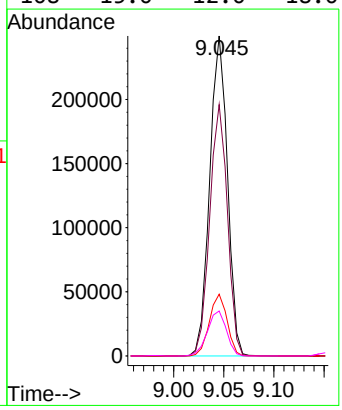
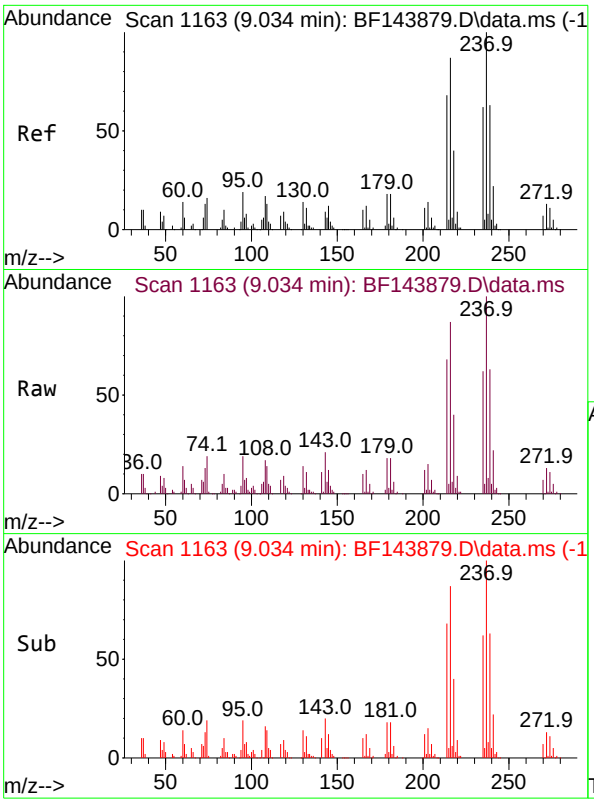


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.665 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:216 Resp: 306622

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	19.2	15.4	23.0
108	15.0	12.0	18.0

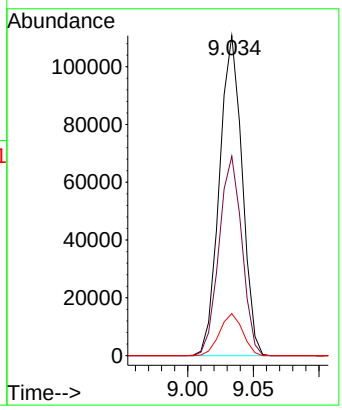




#41
Hexachlorocyclopentadiene
Concen: 44.842 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:237 Resp: 133694

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.3	82.3
272	13.1	0.0	33.1



Instrument :
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ClientSampleId :
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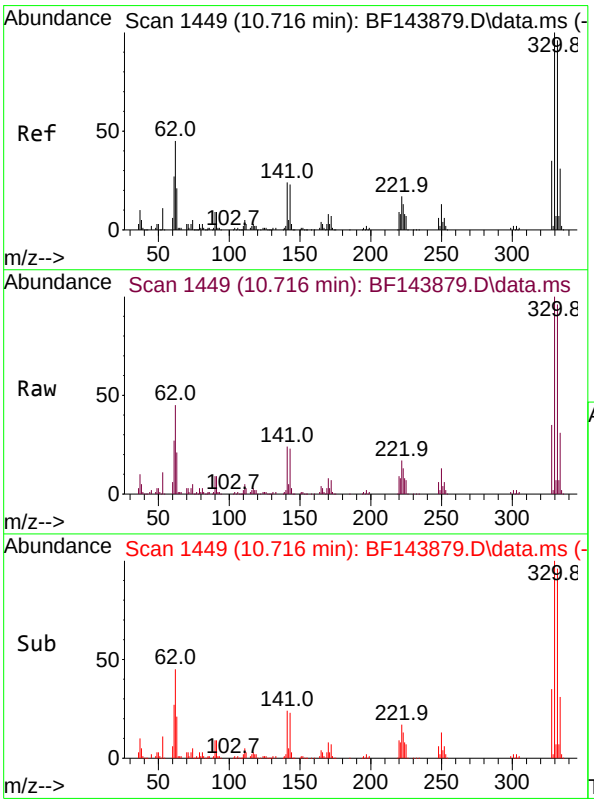
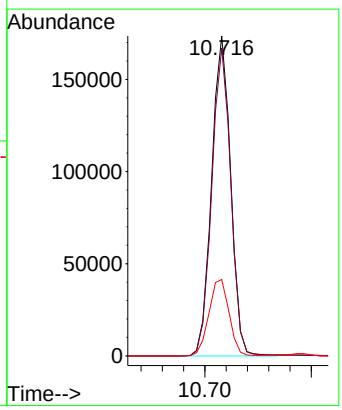
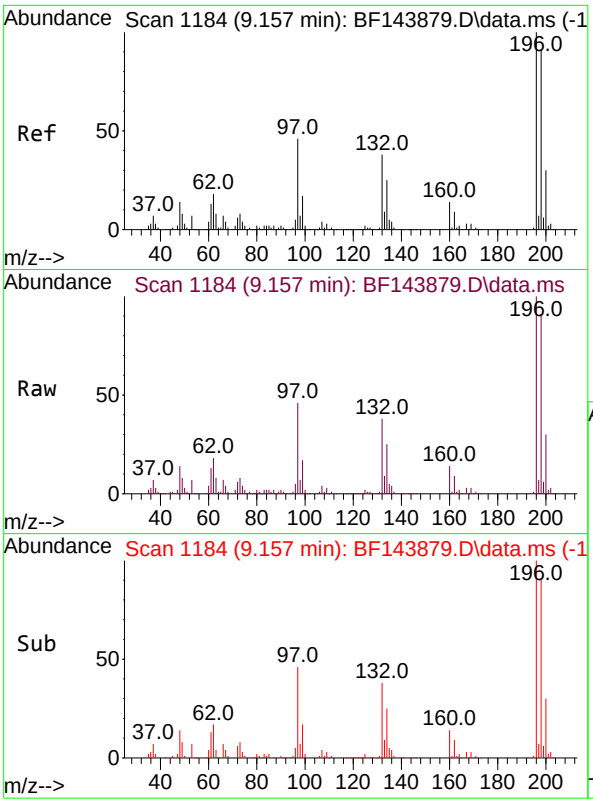


#42
2,4,6-Tribromophenol
Concen: 83.200 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:330 Resp: 215478

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	25.3	20.2	30.4

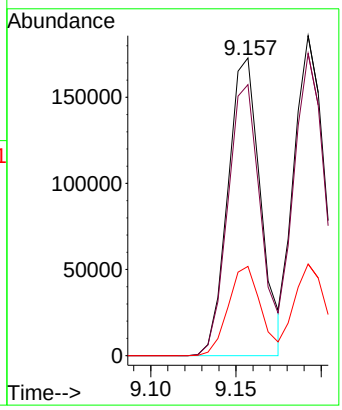




#43
2,4,6-Trichlorophenol
Concen: 44.081 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:196 Resp: 23146

Ion	Ratio	Lower	Upper
196	100		
198	91.0	72.8	109.2
200	30.0	24.0	36.0



Instrument :
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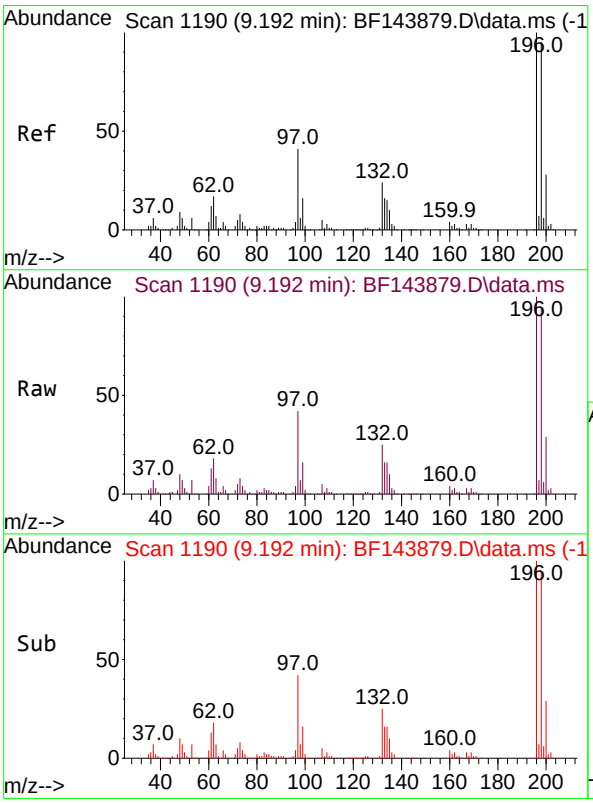
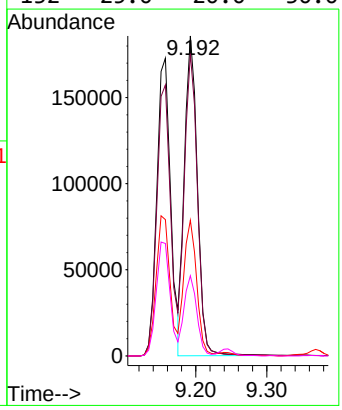
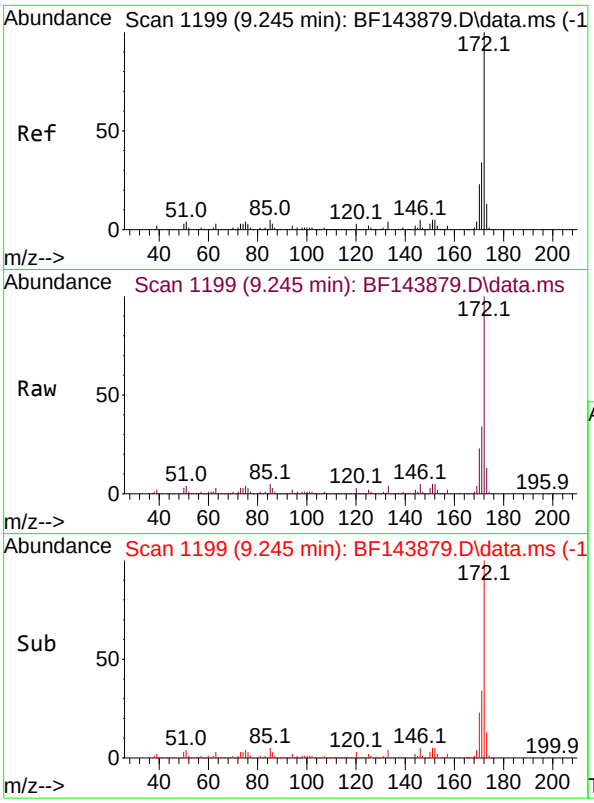


#44
2,4,5-Trichlorophenol
Concen: 42.739 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:196 Resp: 237161

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	42.4	33.9	50.9
132	25.0	20.0	30.0

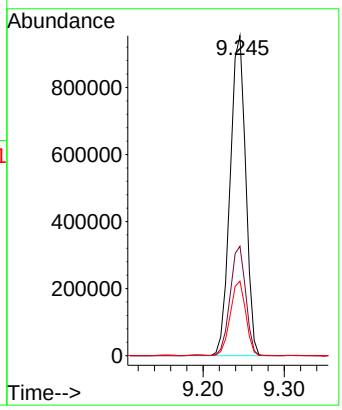




#45
2-Fluorobiphenyl
Concen: 77.695 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:172 Resp: 127321

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	23.3	18.6	28.0



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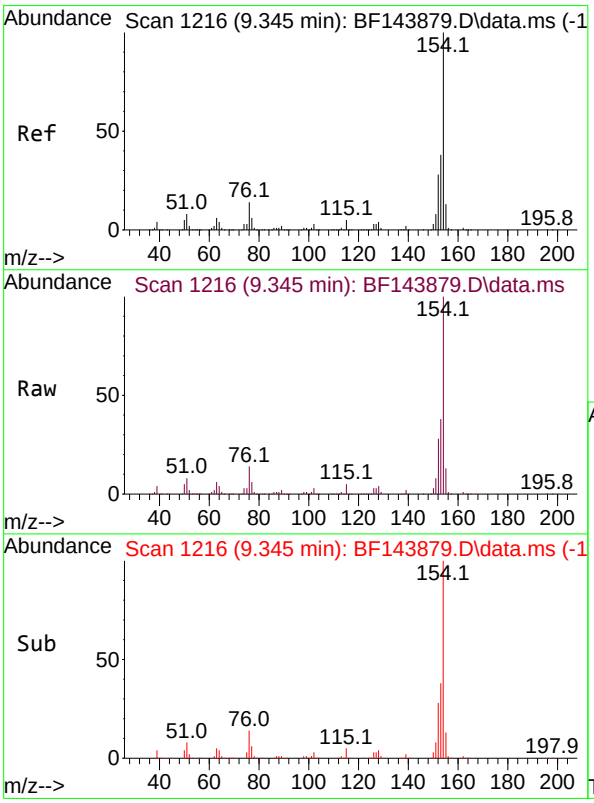
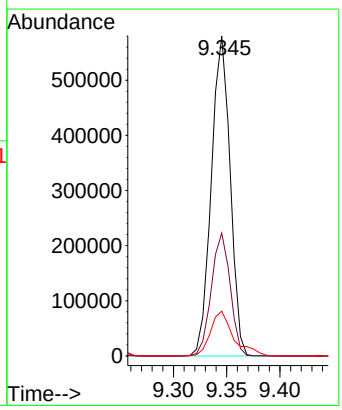
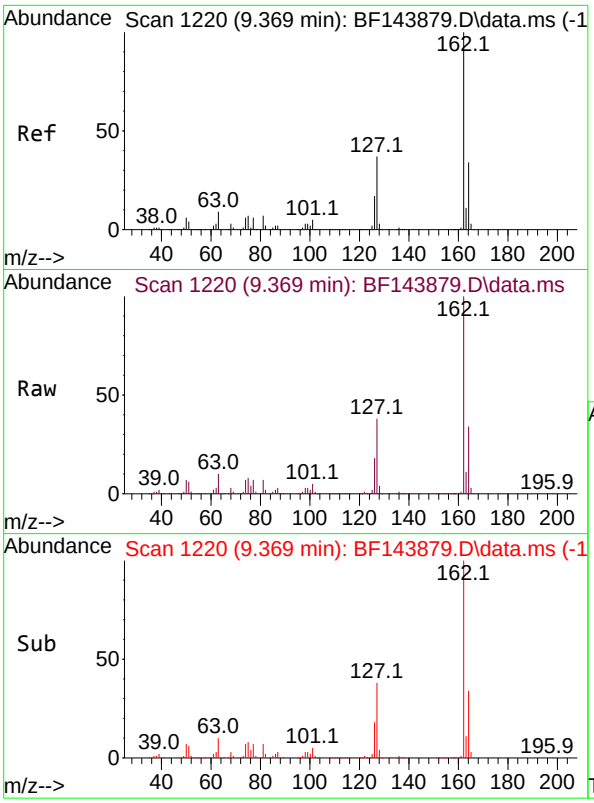


#46
1,1'-Biphenyl
Concen: 41.490 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:154 Resp: 714293

Ion	Ratio	Lower	Upper
154	100		
153	38.4	18.4	58.4
76	14.0	0.0	34.0

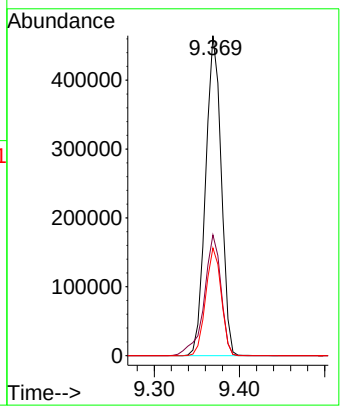




#47
2-Chloronaphthalene
Concen: 41.204 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:162 Resp: 59144

Ion	Ratio	Lower	Upper
162	100		
127	37.7	30.2	45.2
164	33.6	26.9	40.3



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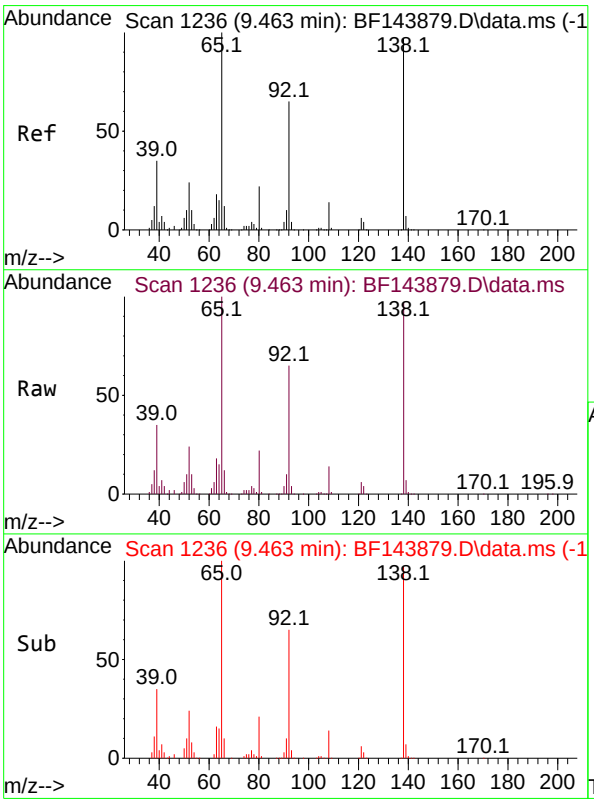
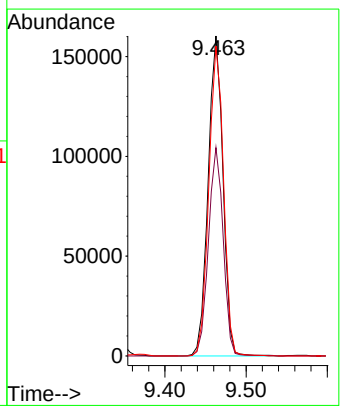
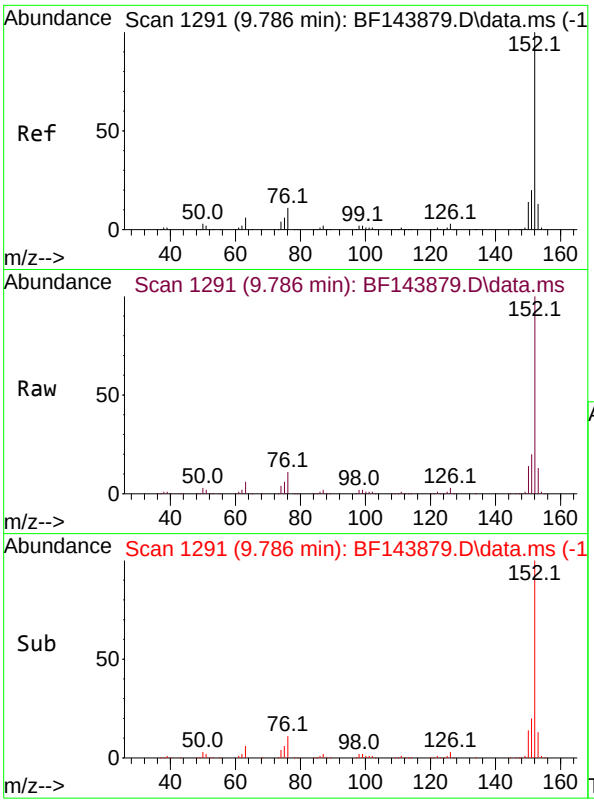


#48
2-Nitroaniline
Concen: 44.894 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 65 Resp: 203733

Ion	Ratio	Lower	Upper
65	100		
92	65.1	52.1	78.1
138	96.8	77.4	116.2

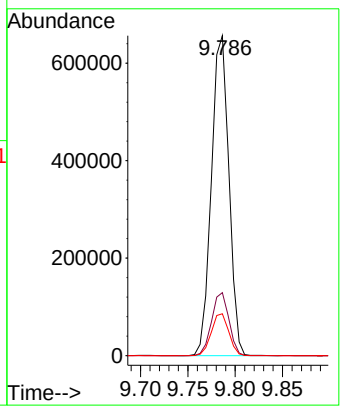




#49
Acenaphthylene
Concen: 41.828 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:152 Resp: 84406

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.1	10.5	15.7



Instrument :
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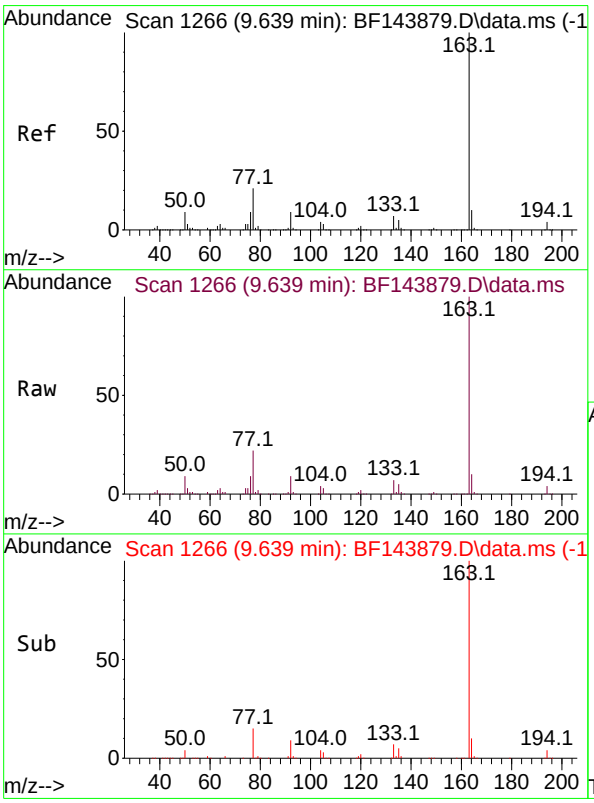
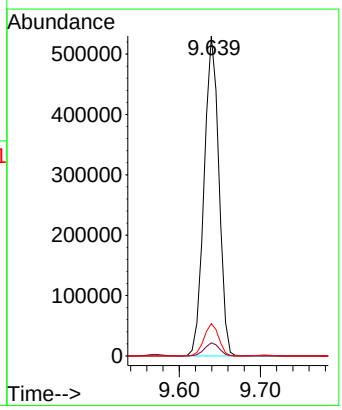
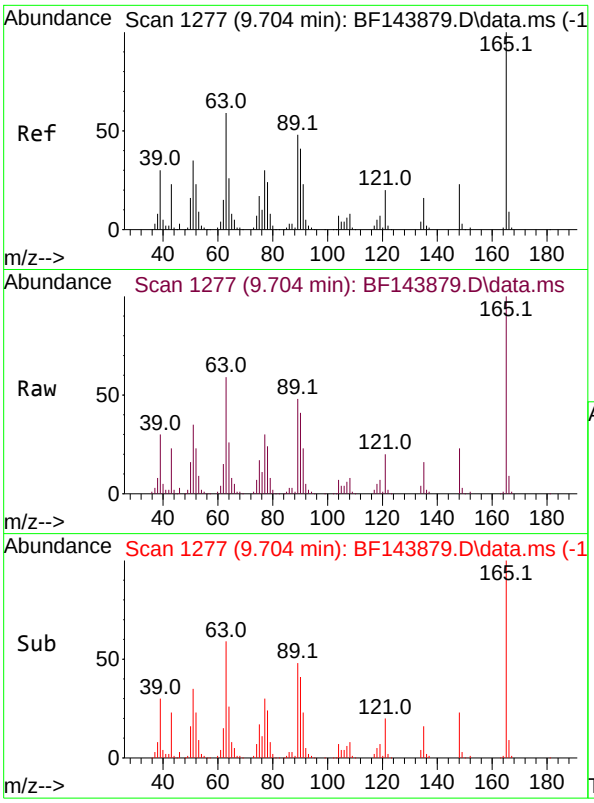


#50
Dimethylphthalate
Concen: 40.653 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:163 Resp: 671290

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 44.481 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:165 Resp: 13619

Ion	Ratio	Lower	Upper
165	100		
63	59.1	47.3	70.9
89	47.8	38.2	57.4

Instrument :
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ClientSampleId :
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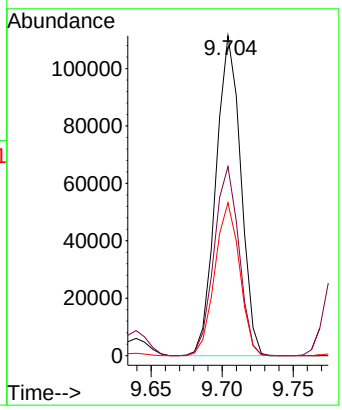
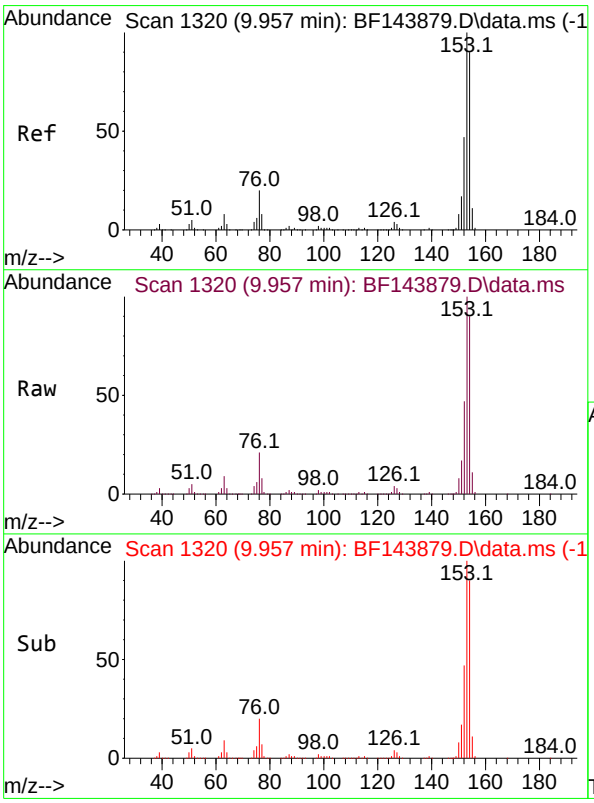
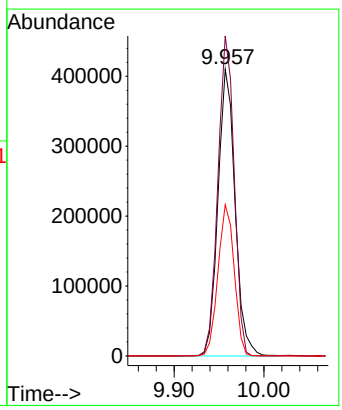


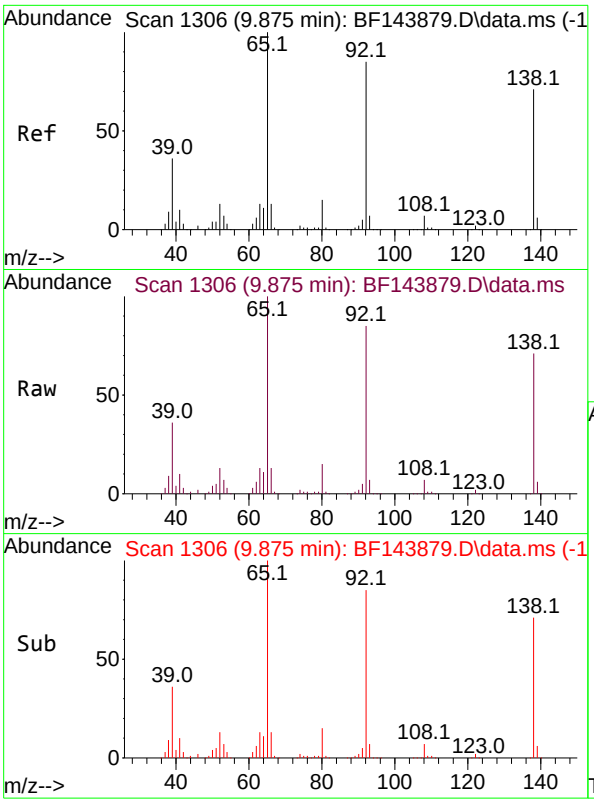


#52
Acenaphthene
Concen: 41.390 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:154 Resp: 547286

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	52.7	42.2	63.2





#53
3-Nitroaniline
Concen: 42.507 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:138 Resp: 15936

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	120.2	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
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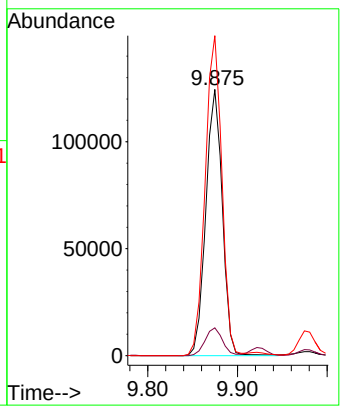
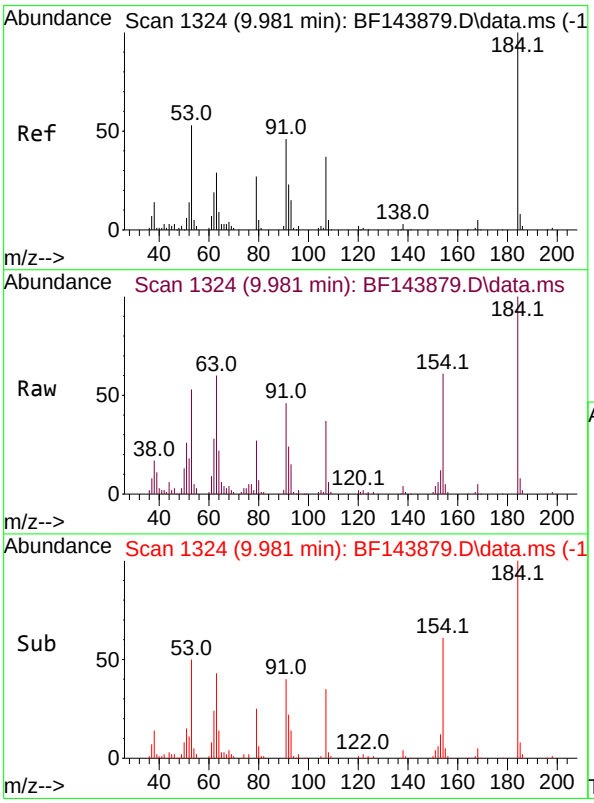
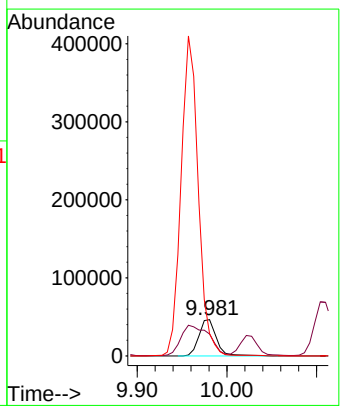


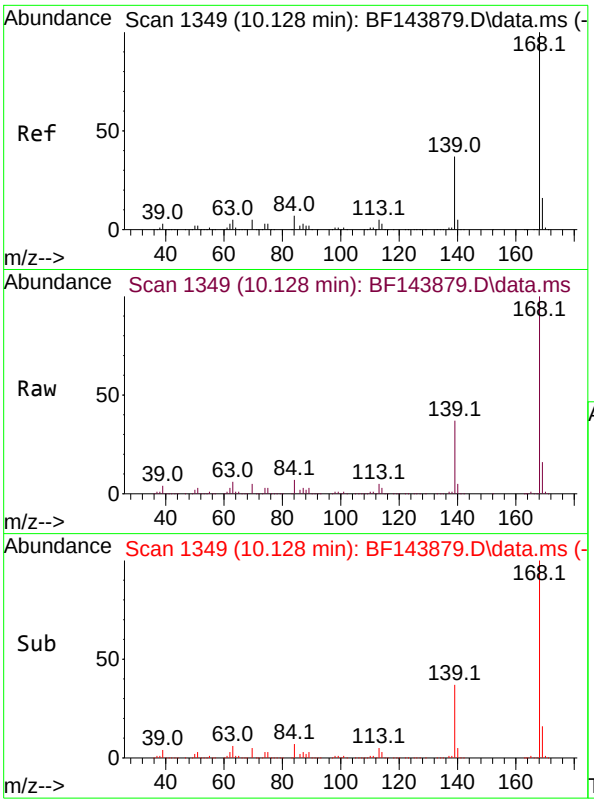


#54
2,4-Dinitrophenol
Concen: 37.010 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:184 Resp: 62187

Ion	Ratio	Lower	Upper
184	100		
63	60.3	48.2	72.4
154	61.5	49.2	73.8

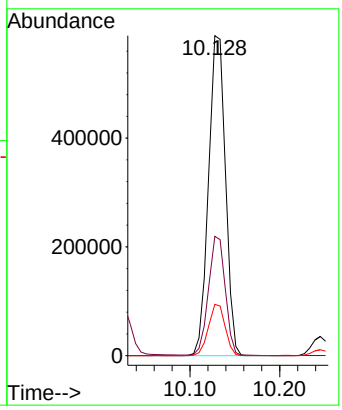




#55
Dibenzofuran
Concen: 41.625 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:168 Resp: 77695

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	16.0	12.8	19.2



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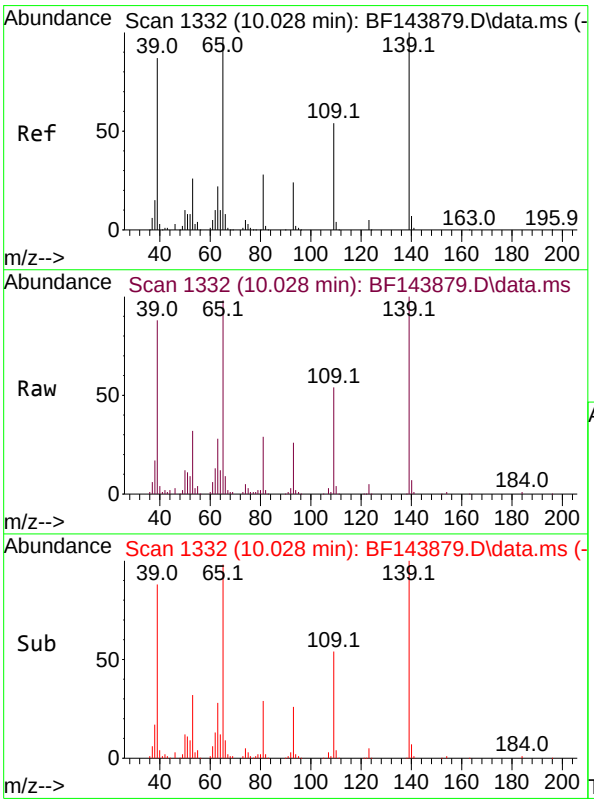
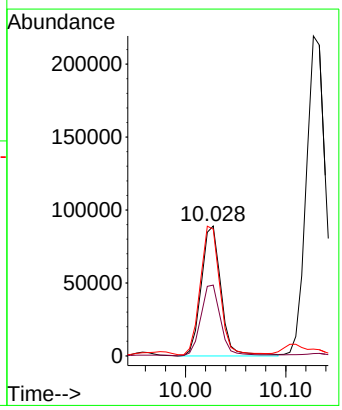
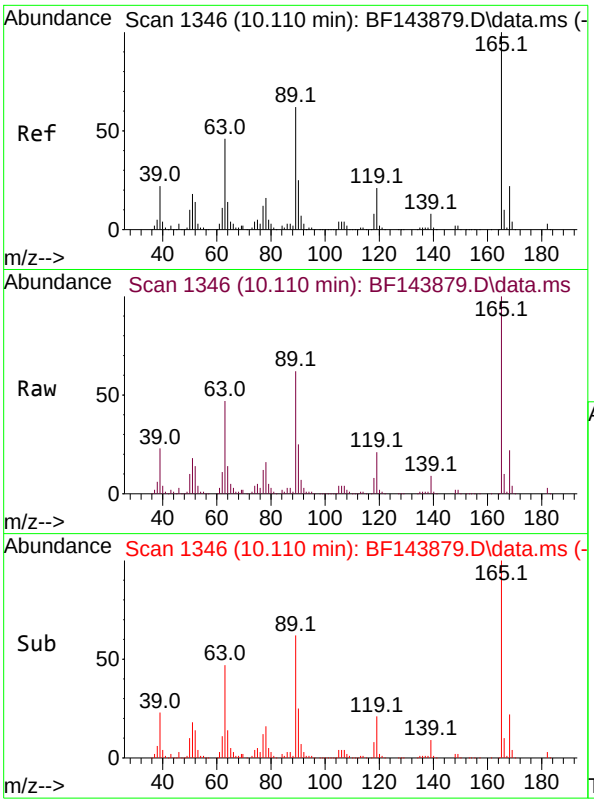


#56
4-Nitrophenol
Concen: 42.807 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:139 Resp: 121519

Ion	Ratio	Lower	Upper
139	100		
109	54.5	34.5	74.5
65	97.6	77.6	117.6

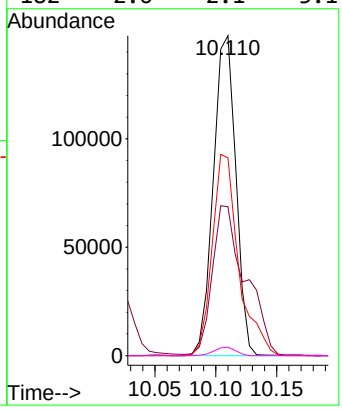




#57
2,4-Dinitrotoluene
Concen: 45.597 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:165 Resp: 18996

Ion	Ratio	Lower	Upper
165	100		
63	46.5	37.2	55.8
89	61.8	49.4	74.2
182	2.6	2.1	3.1



Instrument :
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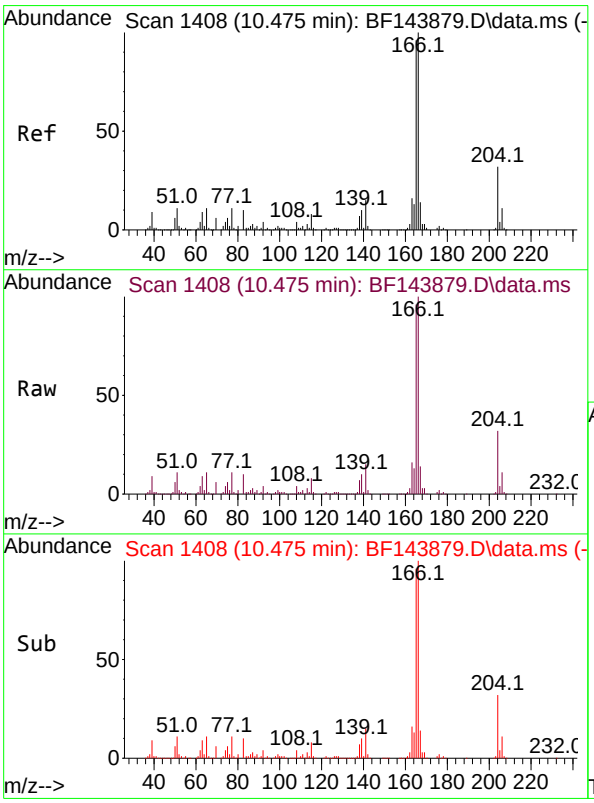
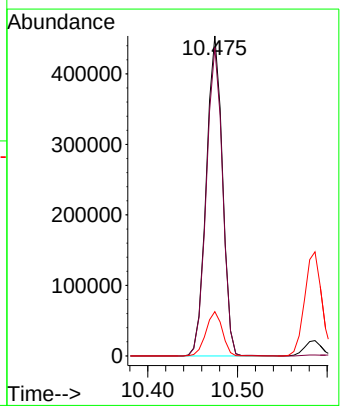
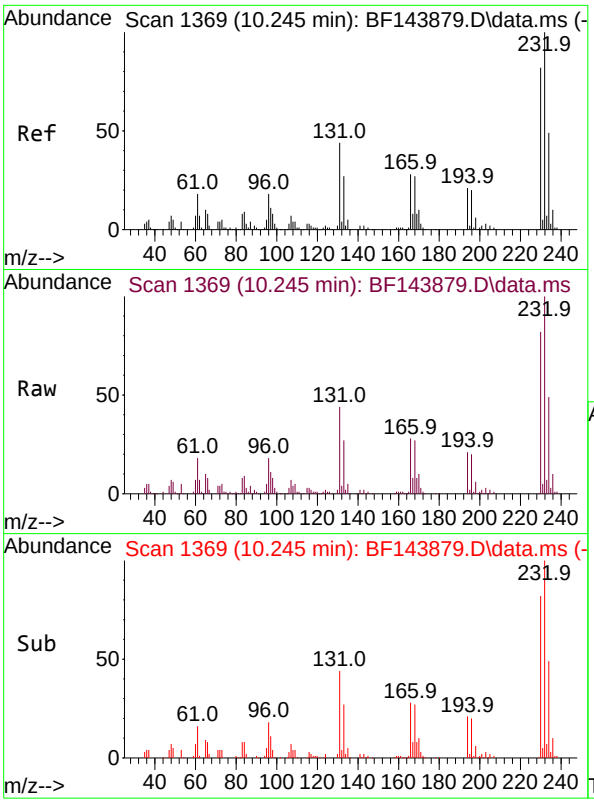


#58
Fluorene
Concen: 40.506 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:166 Resp: 570508

Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.0	115.6
167	13.9	11.1	16.7

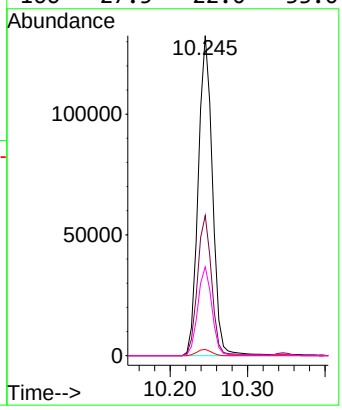




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.006 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:232 Resp: 16893

Ion	Ratio	Lower	Upper
232	100		
131	43.6	34.9	52.3
130	2.0	1.6	2.4
166	27.5	22.0	33.0



Instrument :
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ClientSampleId :
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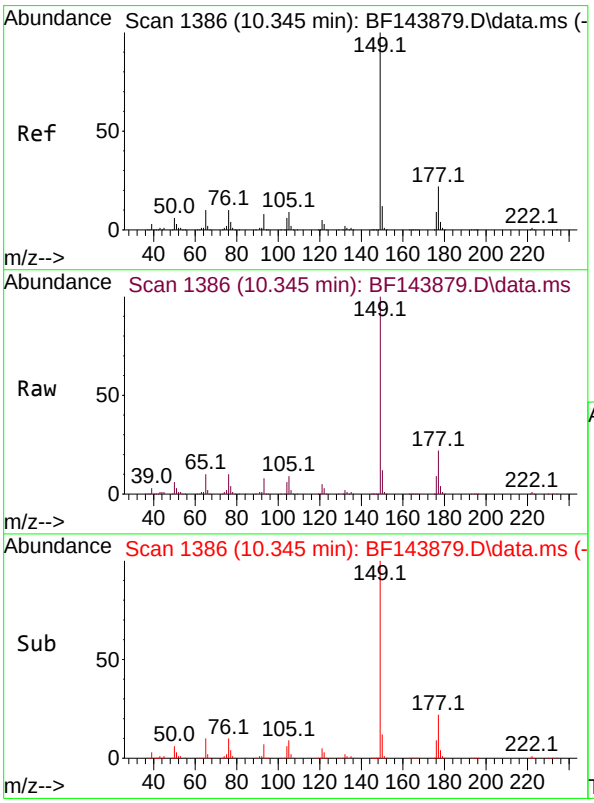
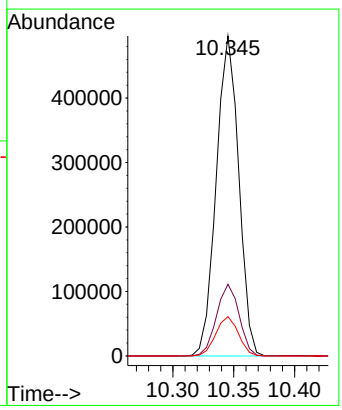
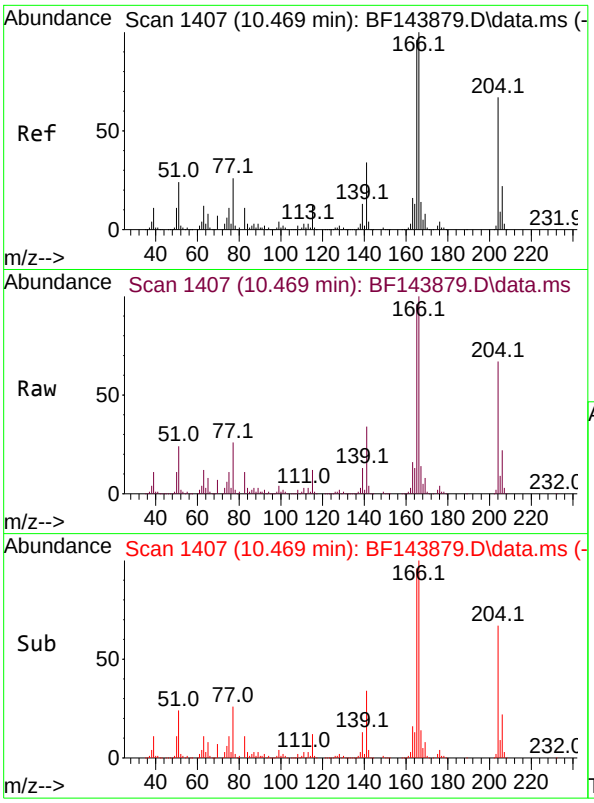


#60
Diethylphthalate
Concen: 41.422 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 635433

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.3	9.8	14.8

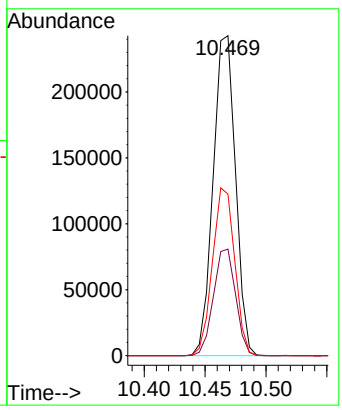




#61
4-Chlorophenyl-phenylether
Concen: 41.632 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:204 Resp: 31000

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	50.5	40.4	60.6



Instrument :
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ClientSampleId :
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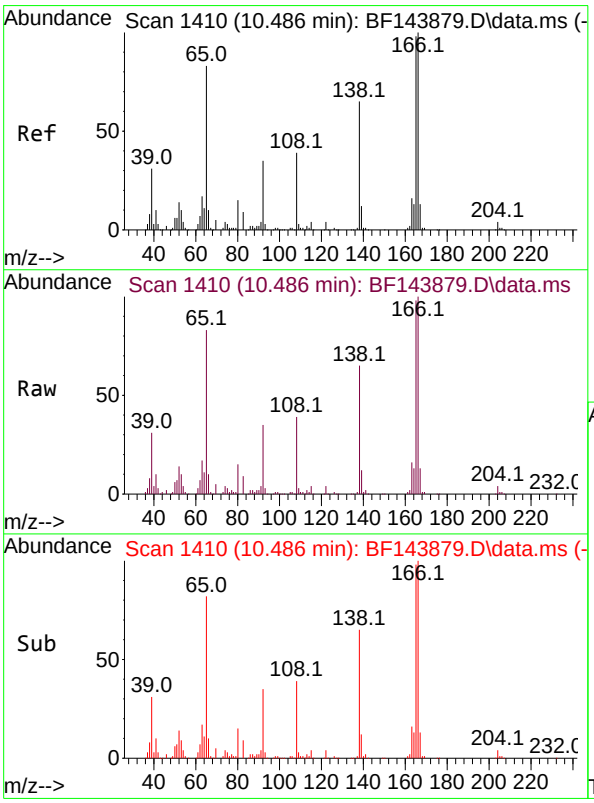
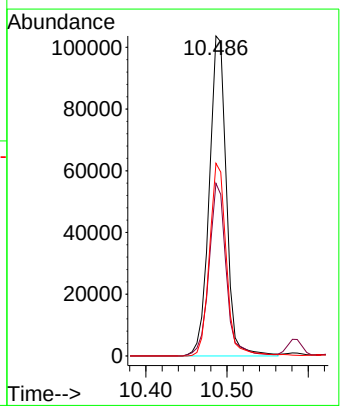
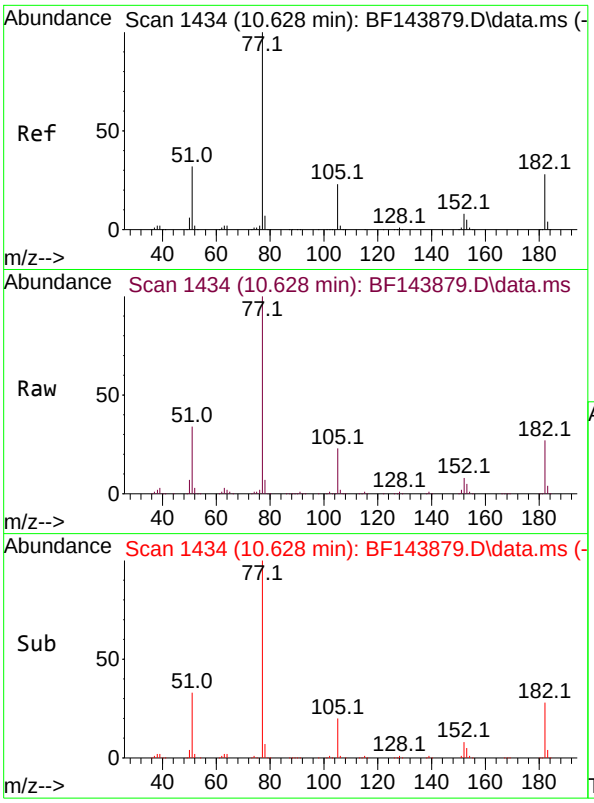


#62
4-Nitroaniline
Concen: 42.123 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:138 Resp: 151866

Ion	Ratio	Lower	Upper
138	100		
92	53.9	33.9	73.9
108	60.2	40.2	80.2

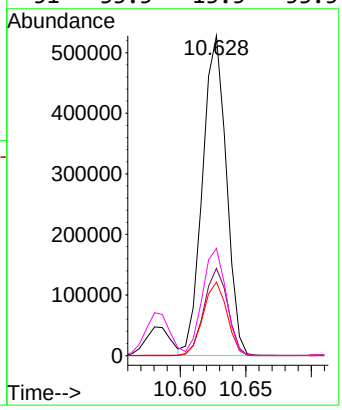




#63
Azobenzene
Concen: 41.521 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 66569

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	23.0	3.0	43.0
51	33.5	13.5	53.5



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ClientSampleId :
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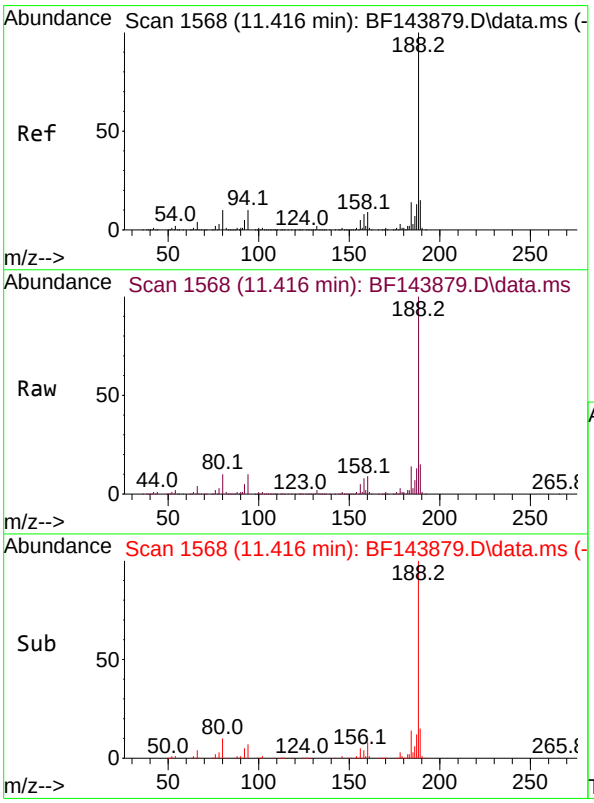
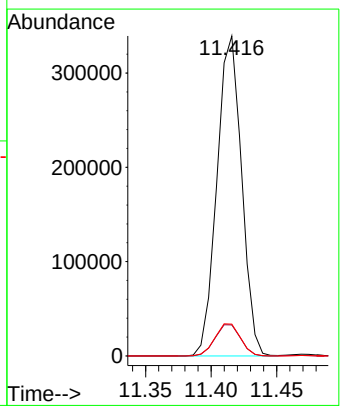
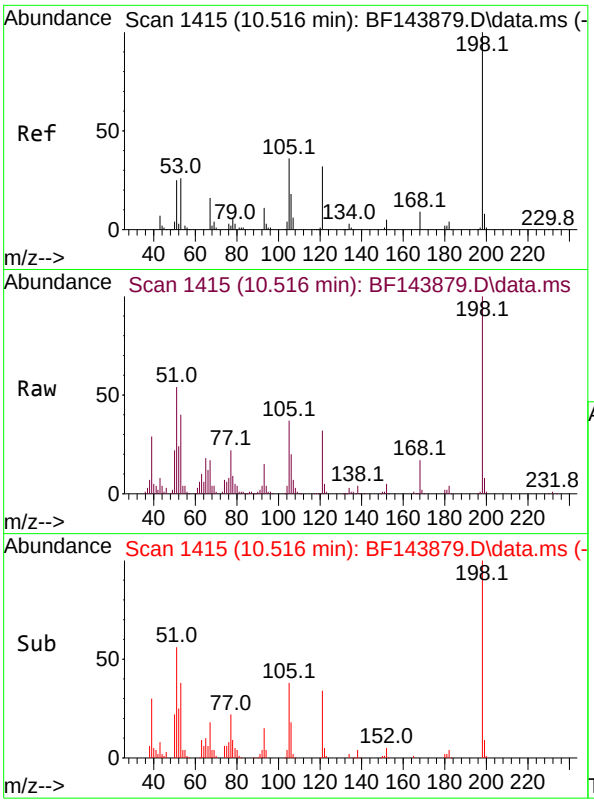


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:188 Resp: 444949

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	9.9	7.9	11.9

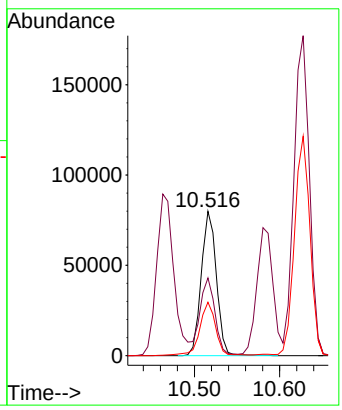




#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:198 Resp: 9855

Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.8	73.8
105	37.0	17.0	57.0



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ClientSampleId :
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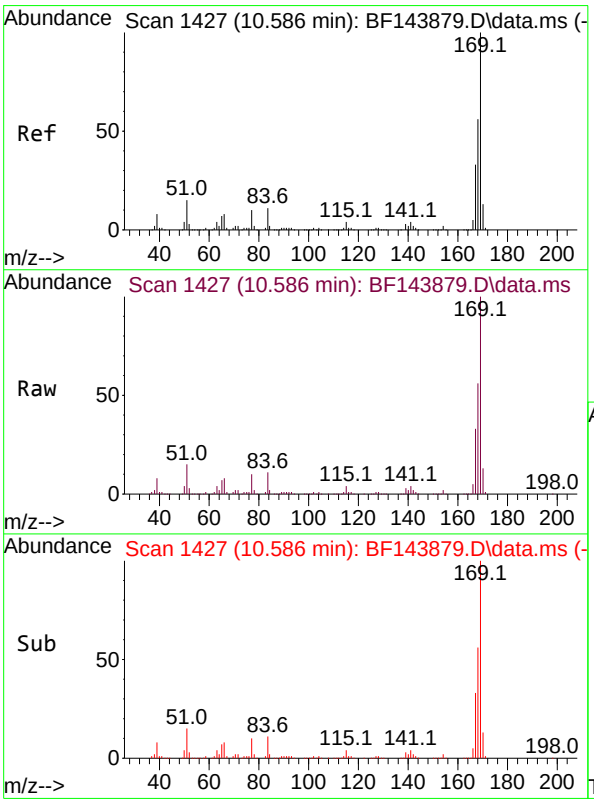
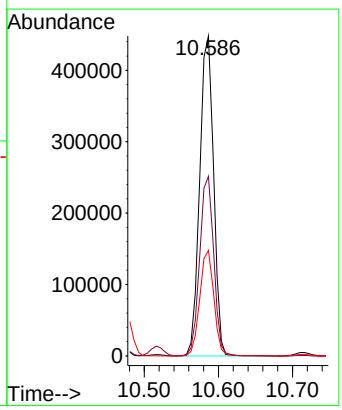
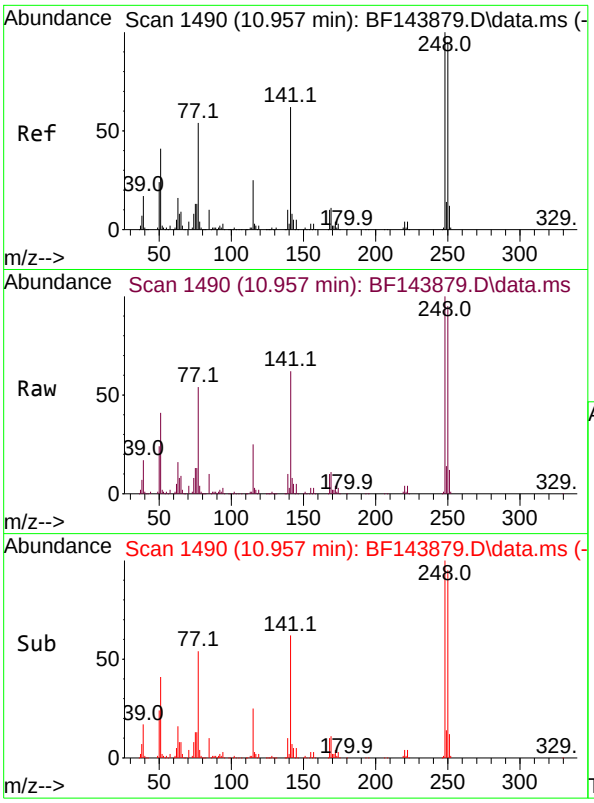


#66
n-Nitrosodiphenylamine
Concen: 41.773 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:169 Resp: 583617

Ion	Ratio	Lower	Upper
169	100		
168	56.1	44.9	67.3
167	32.9	26.3	39.5

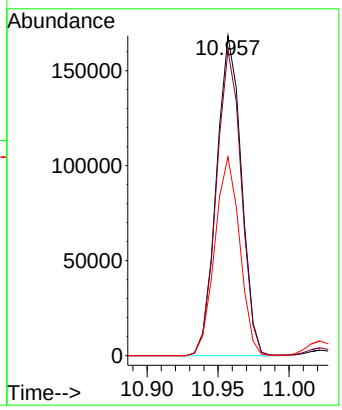




#67
4-Bromophenyl-phenylether
Concen: 41.803 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:248 Resp: 20555

Ion	Ratio	Lower	Upper
248	100		
250	95.4	76.3	114.5
141	62.1	49.7	74.5



Instrument :
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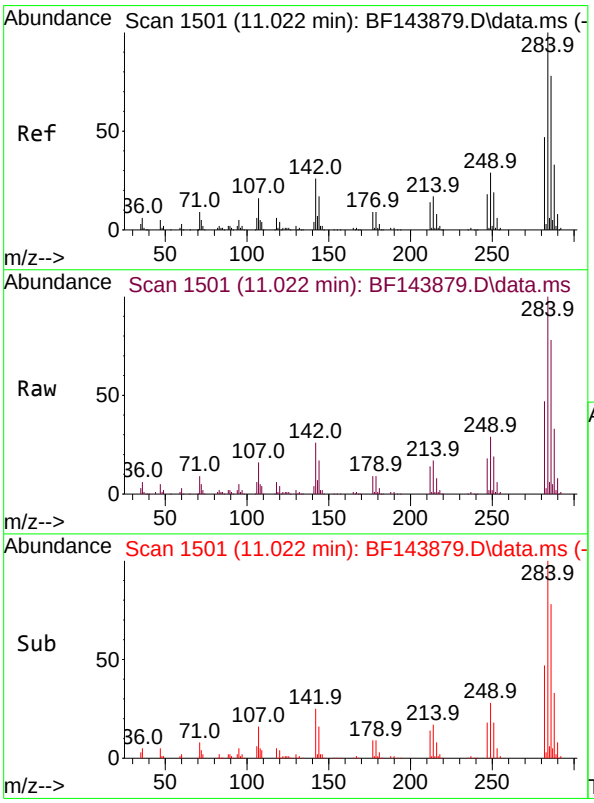
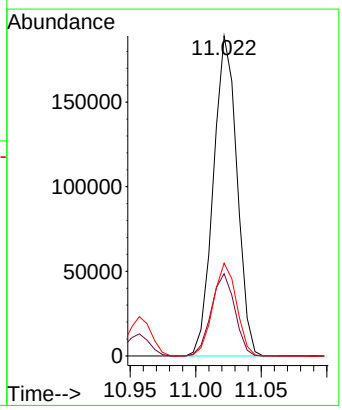
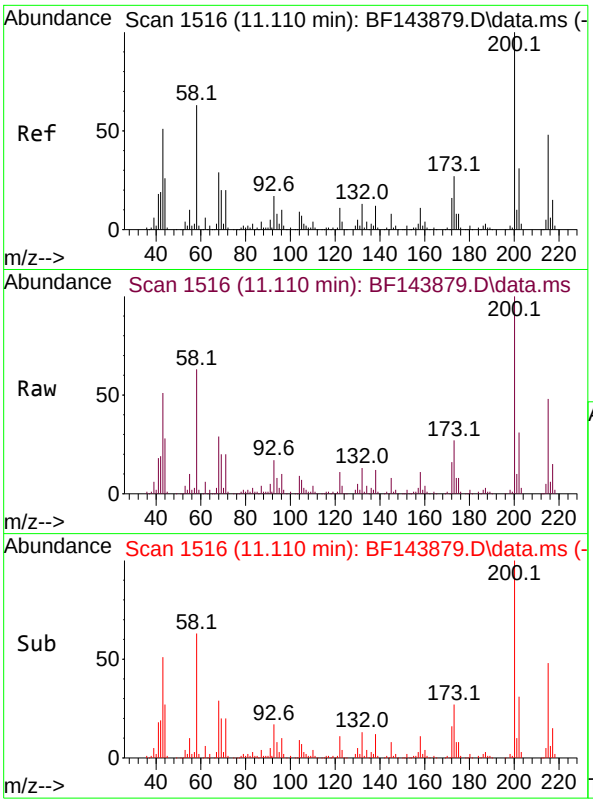


#68
Hexachlorobenzene
Concen: 41.695 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:284 Resp: 237363

Ion	Ratio	Lower	Upper
284	100		
142	25.7	20.6	30.8
249	29.0	23.2	34.8

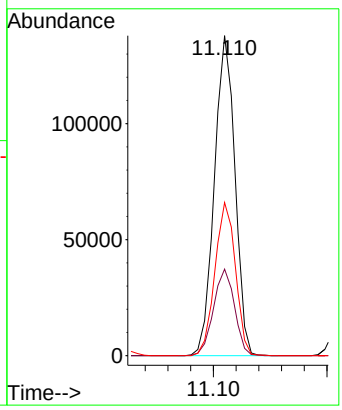




#69
Atrazine
Concen: 40.905 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:200 Resp: 17321

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.0	47.0
215	47.8	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
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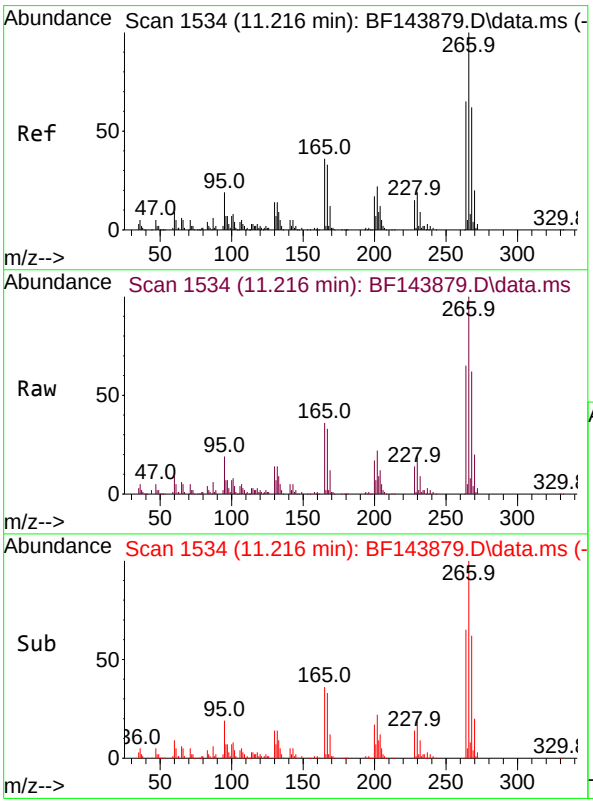
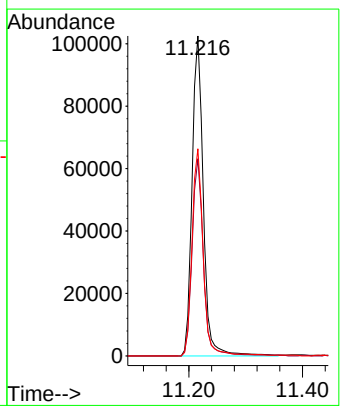
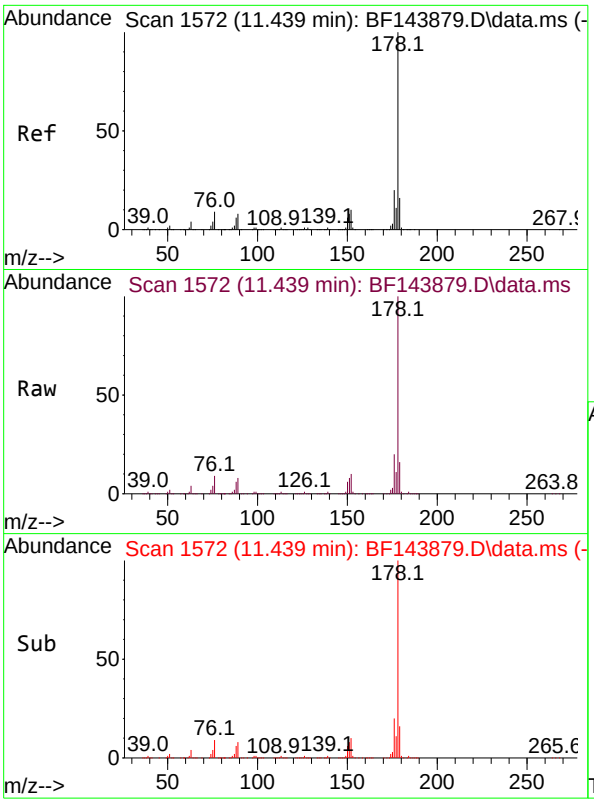


#70
Pentachlorophenol
Concen: 42.862 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:266 Resp: 140140

Ion	Ratio	Lower	Upper
266	100		
268	61.7	49.4	74.0
264	64.7	51.8	77.6

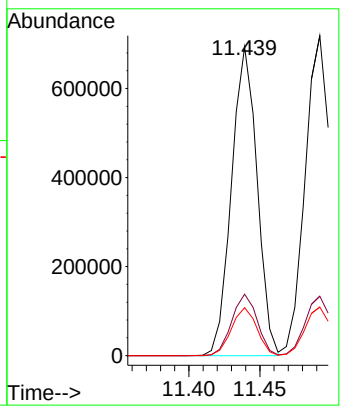




#71
Phenanthrene
Concen: 40.266 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:178 Resp: 86859

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.5	12.4	18.6



Instrument :
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ClientSampleId :
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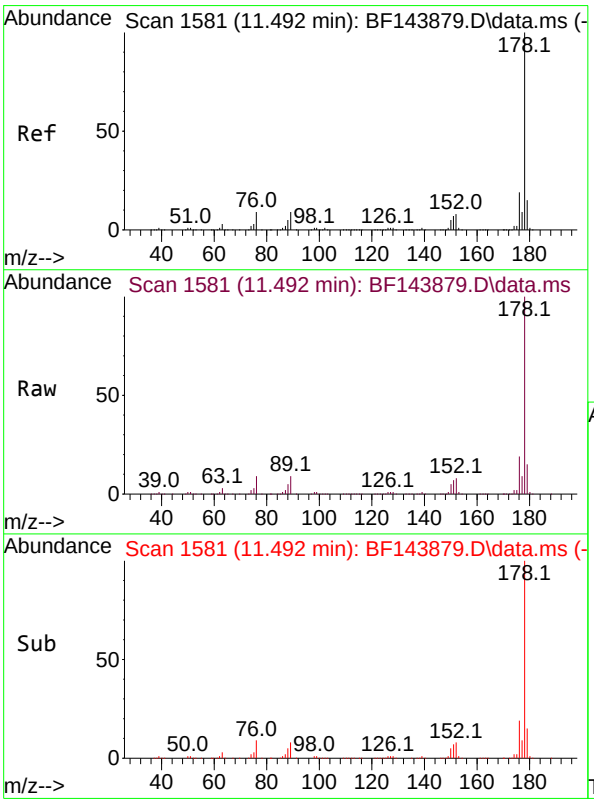
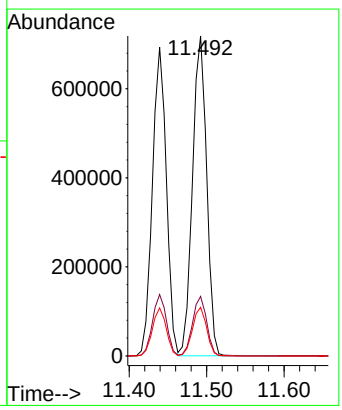
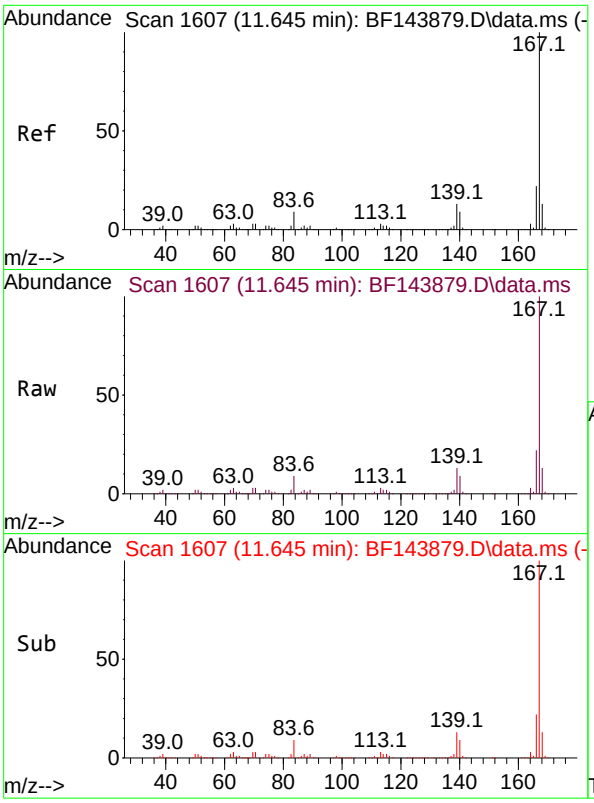


#72
Anthracene
Concen: 41.850 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:178 Resp: 912011

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.2	12.2	18.2

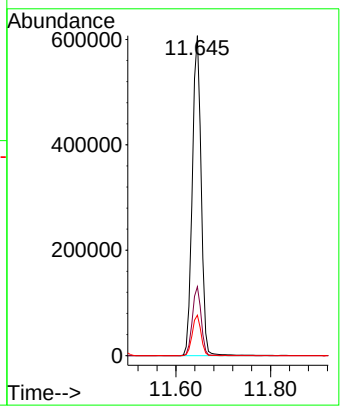




#73
Carbazole
Concen: 40.765 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:167 Resp: 78678

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.6	10.1	15.1



Instrument :
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ClientSampleId :
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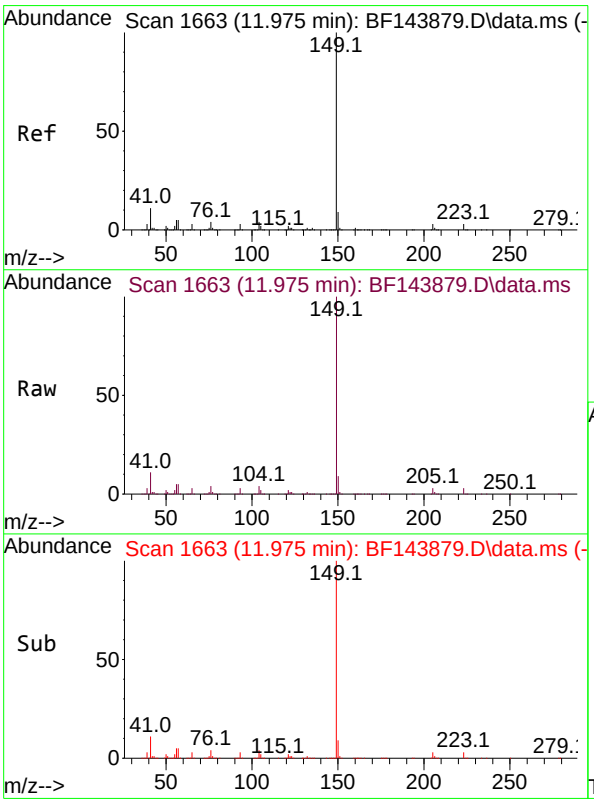
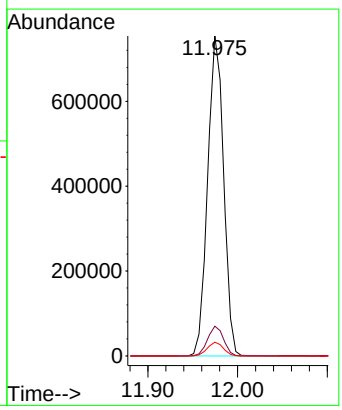
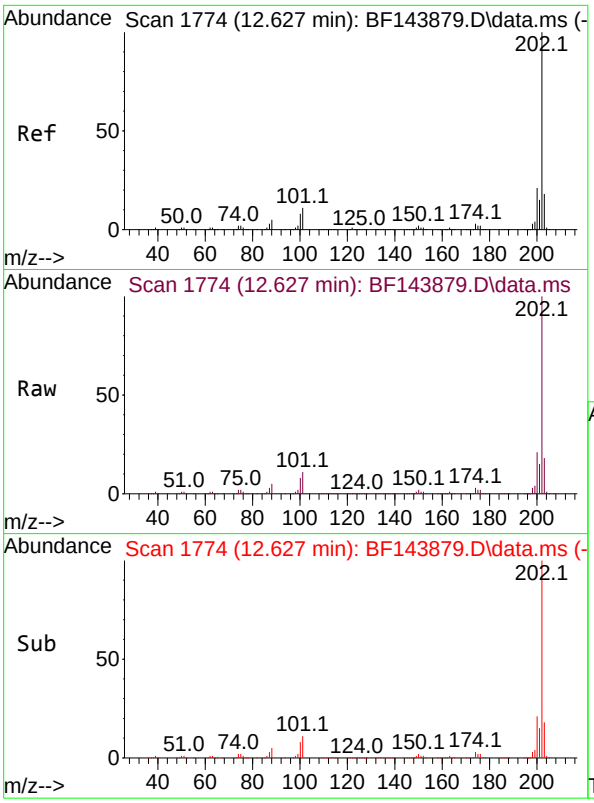


#74
Di-n-butylphthalate
Concen: 41.884 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 936899

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.3	3.4	5.2

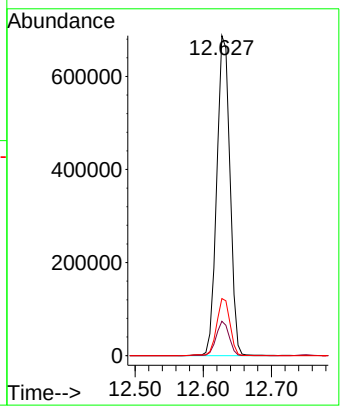




#75
Fluoranthene
Concen: 41.223 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:202 Resp: 91850

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	17.8	0.0	37.8



Instrument :
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ClientSampleId :
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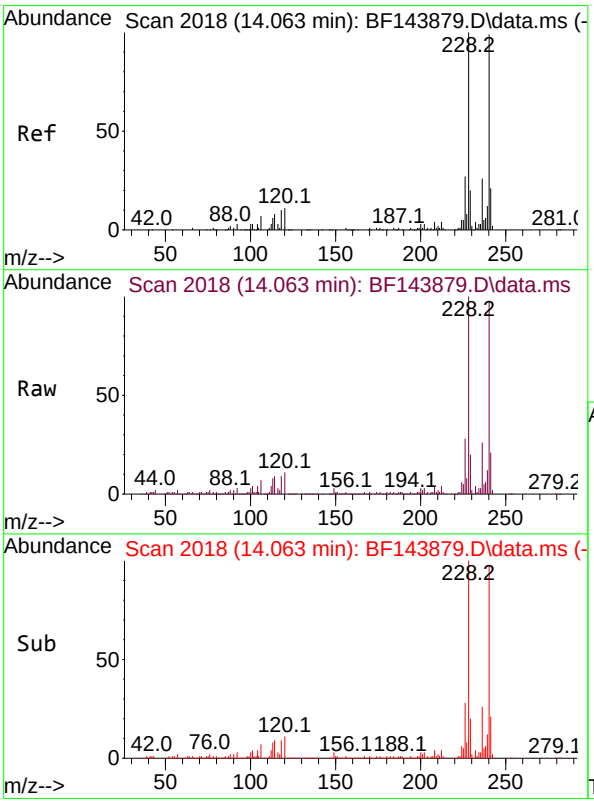
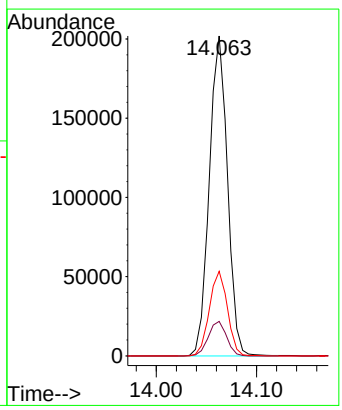
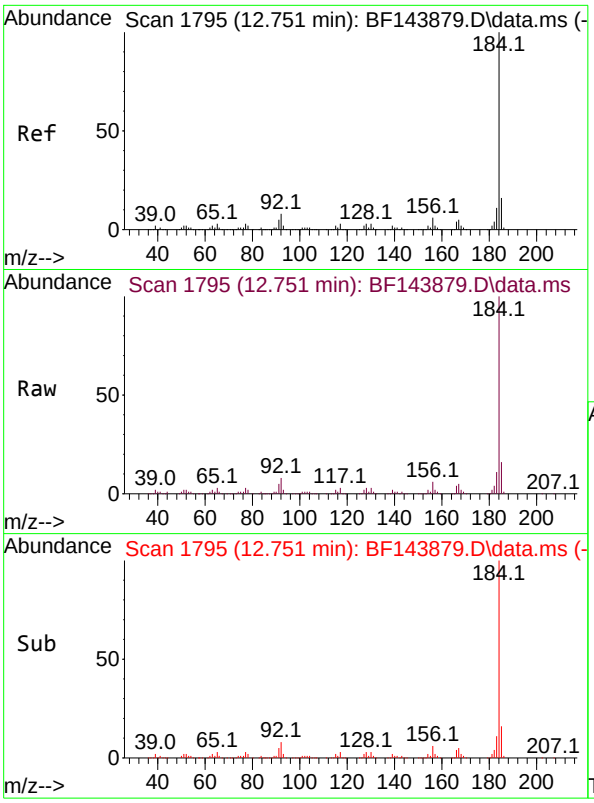


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:240 Resp: 254576

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.4	21.1	31.7

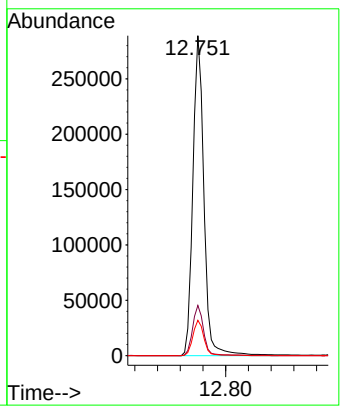




#77
Benzidine
Concen: 43.833 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:184 Resp: 38746

Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
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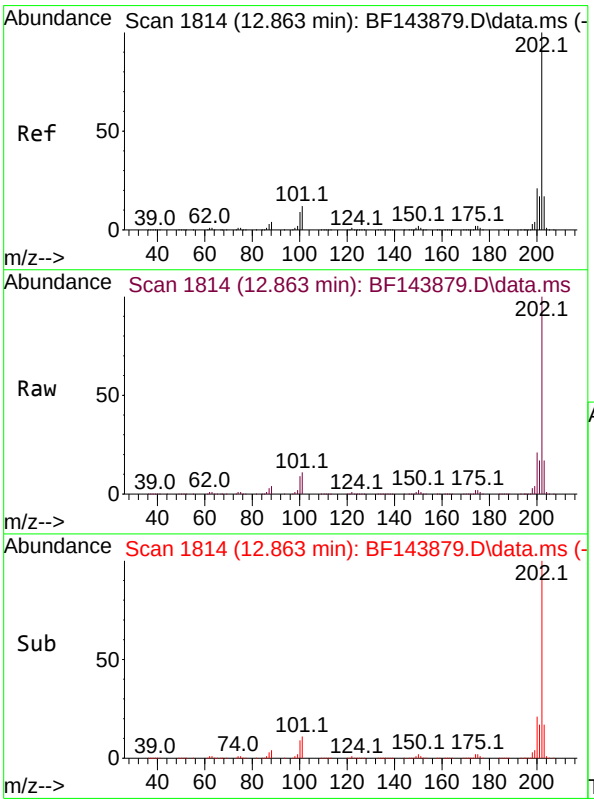
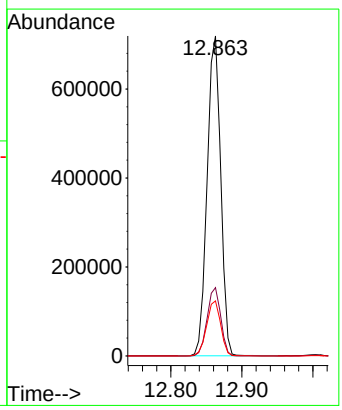
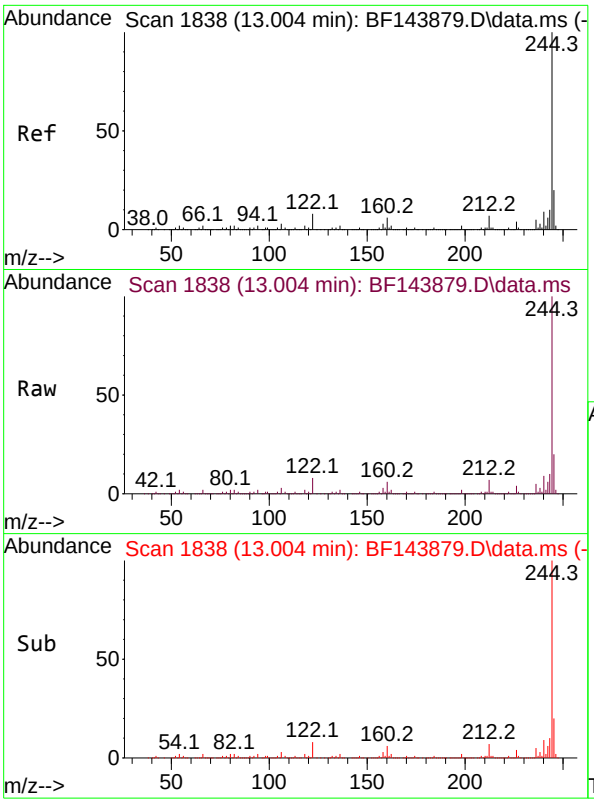


#78
Pyrene
Concen: 44.692 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:202 Resp: 948521

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.2	13.8	20.6

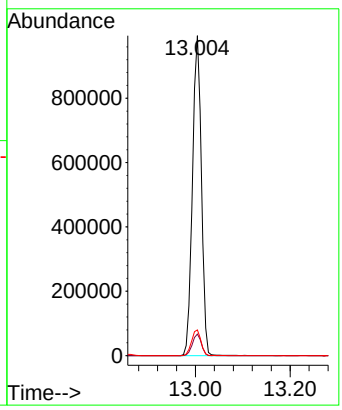




#79
Terphenyl-d14
Concen: 87.451 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:244 Resp: 130263

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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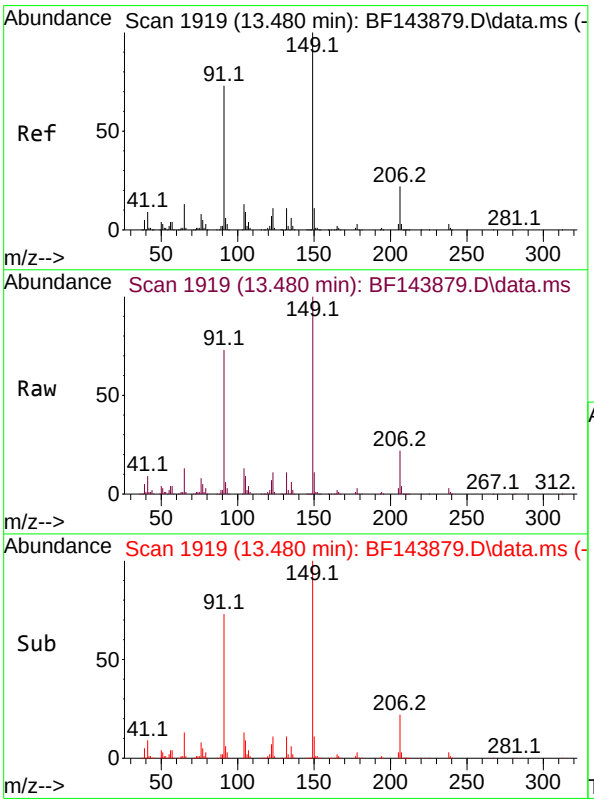
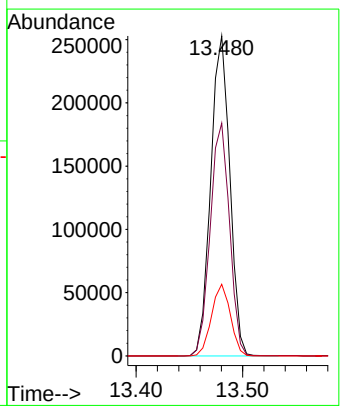
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

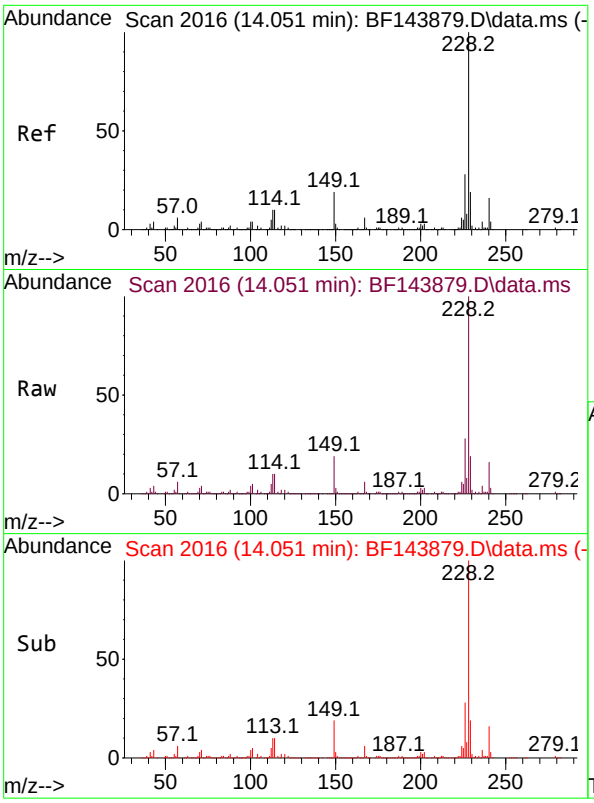


#80
Butylbenzylphthalate
Concen: 45.804 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 315716

Ion	Ratio	Lower	Upper
149	100		
91	72.7	58.2	87.2
206	22.4	17.9	26.9

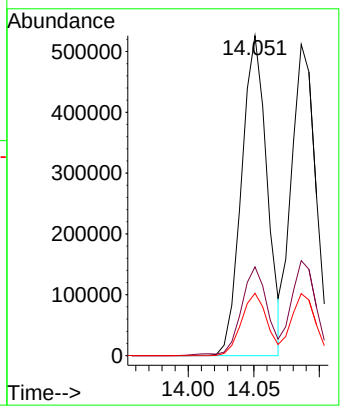




#81
Benzo(a)anthracene
Concen: 42.715 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:228 Resp: 711609

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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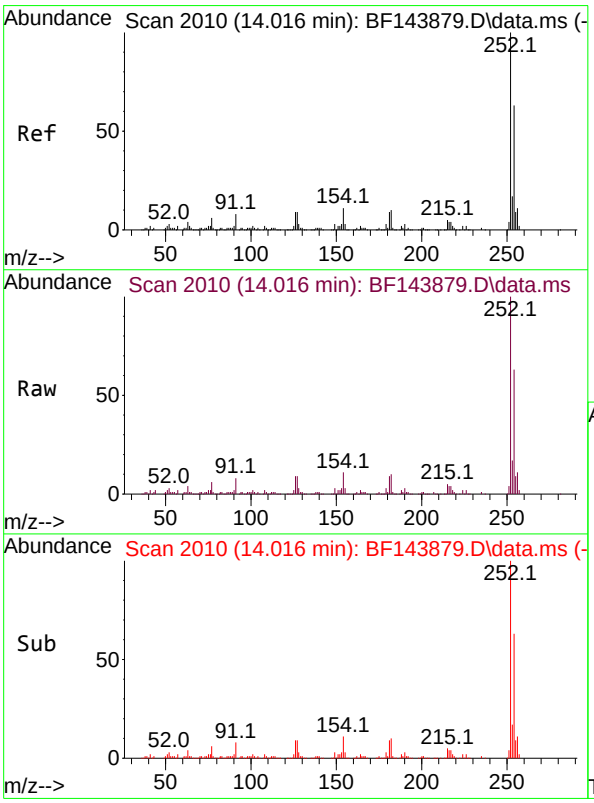
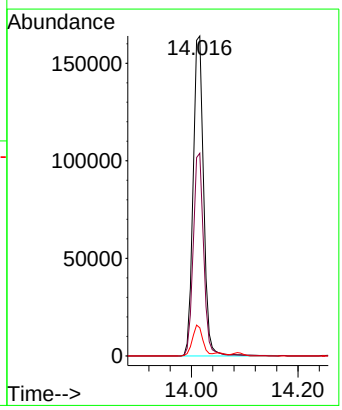
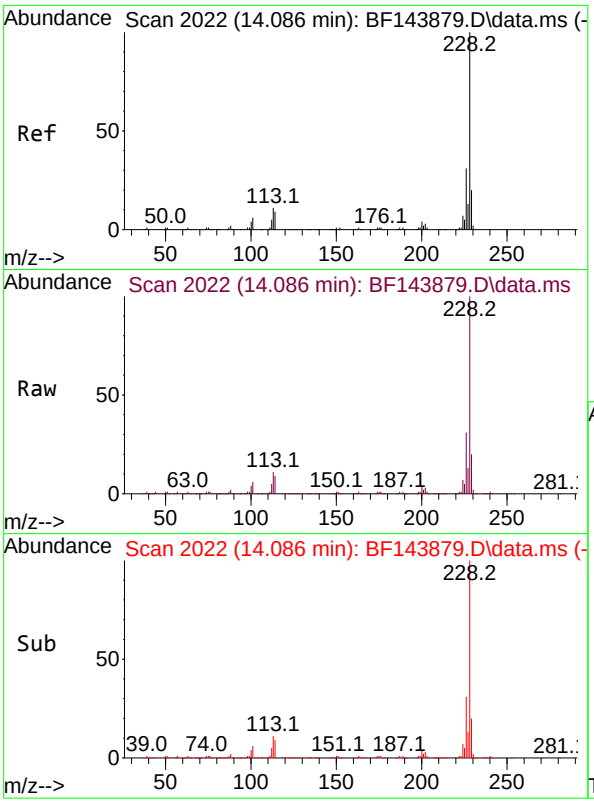


#82
3,3'-Dichlorobenzidine
Concen: 44.135 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 224071

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.6	76.0
126	8.8	7.0	10.6

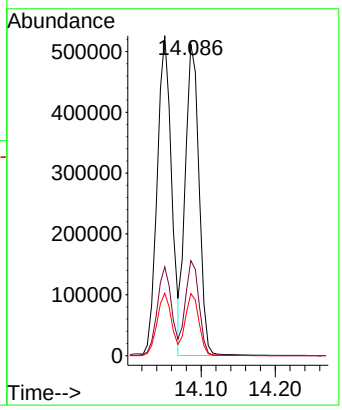




#83
Chrysene
Concen: 42.717 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:228 Resp: 65863

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	19.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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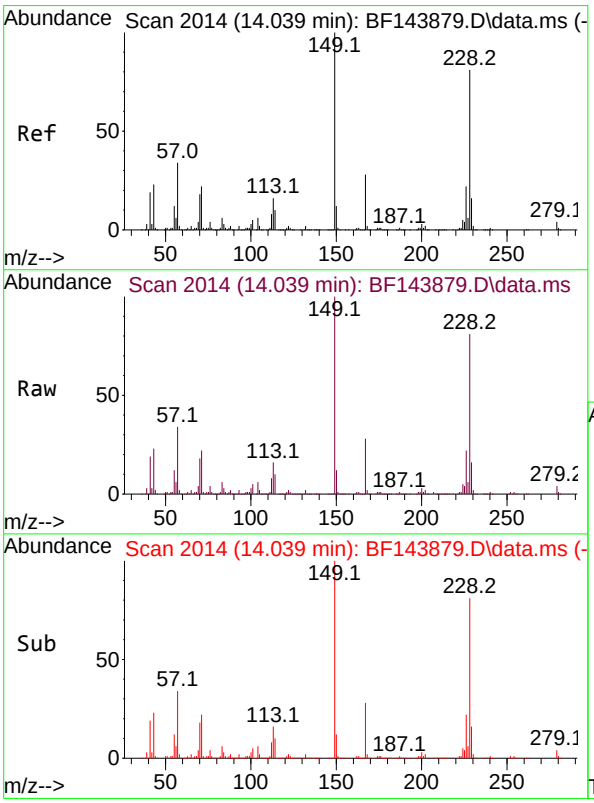
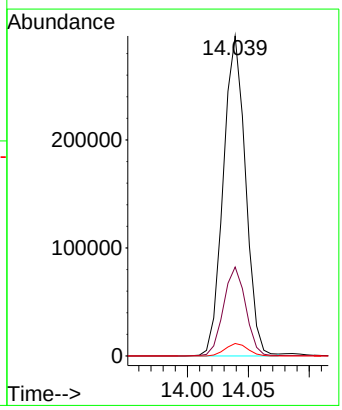
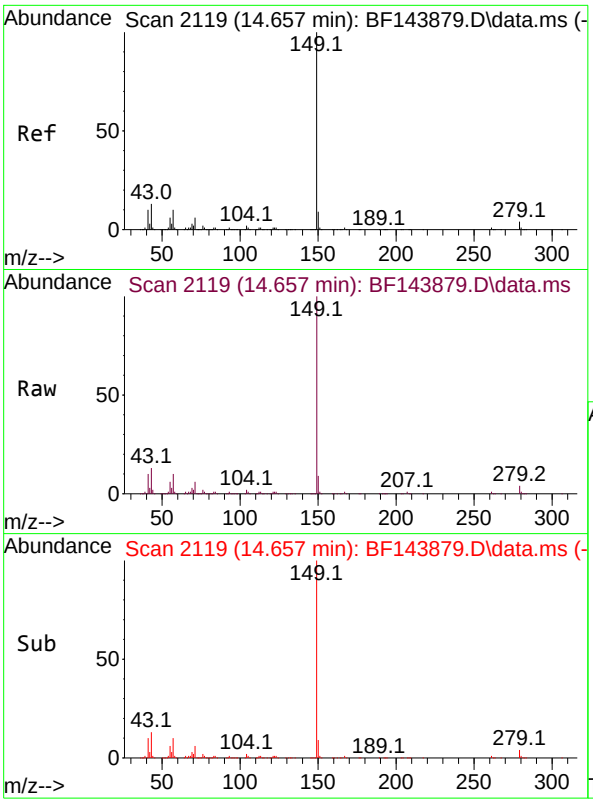


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.286 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 376273

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 44.561 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 60812

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.7	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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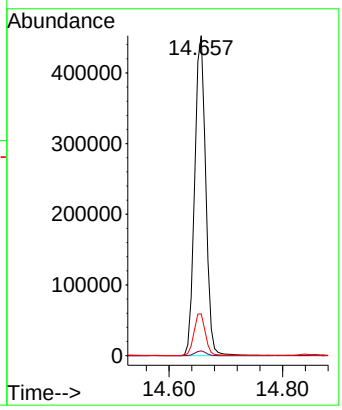
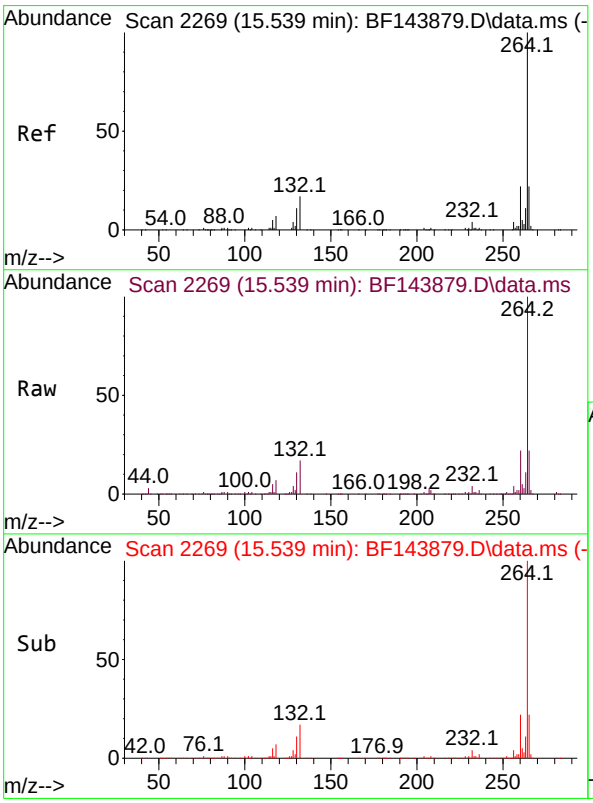
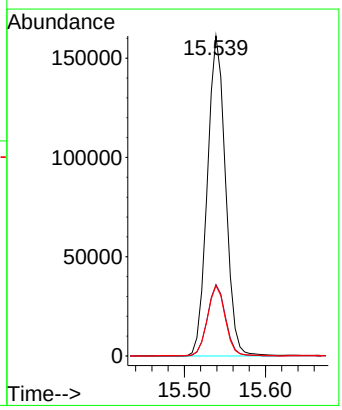


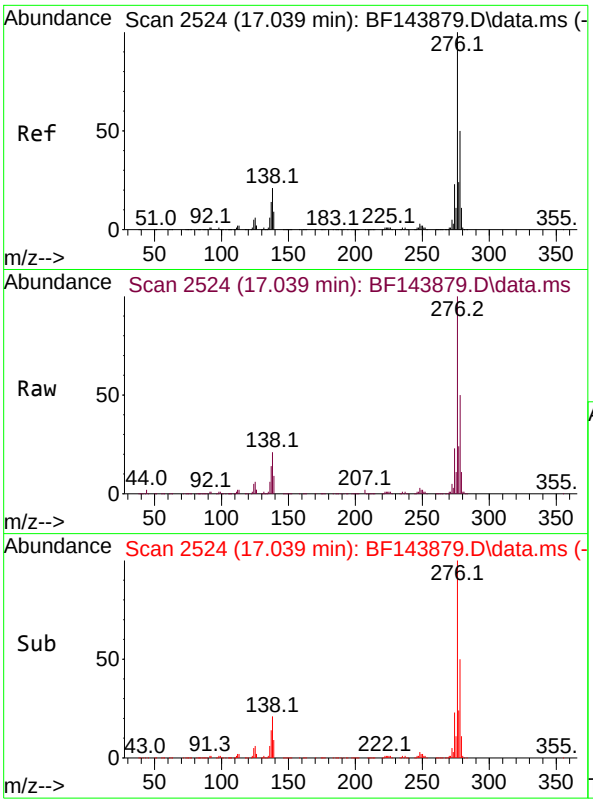


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:264 Resp: 250969

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.8	26.8
265	21.9	17.5	26.3

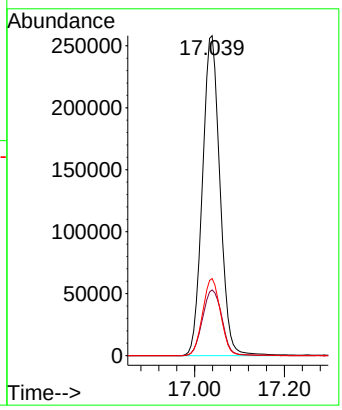




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.470 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:276 Resp: 69923

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.2	27.2
277	24.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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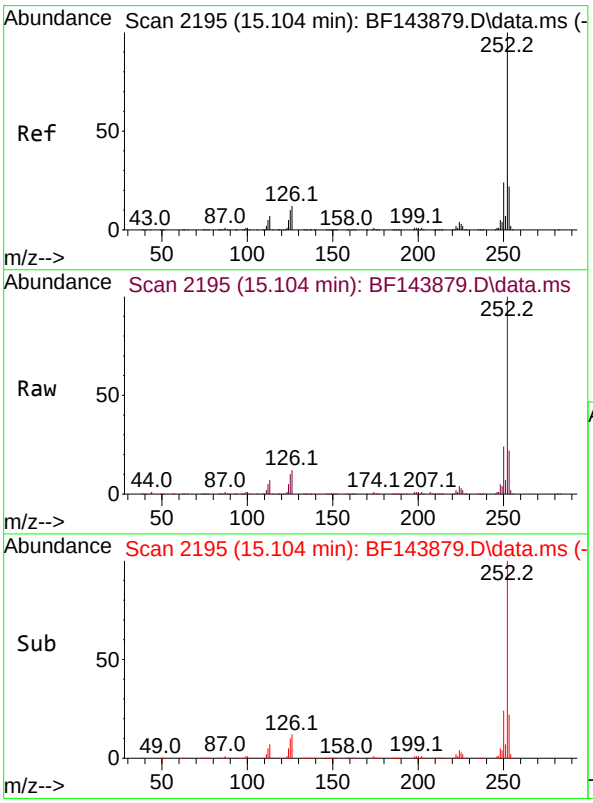
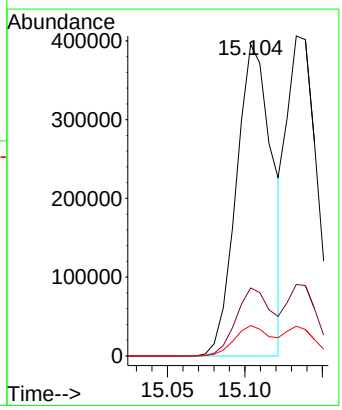
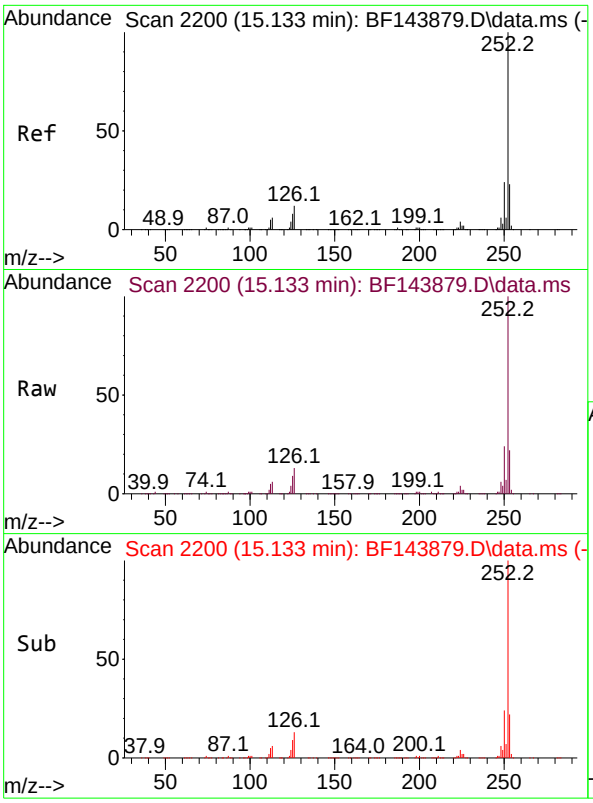


#88
Benzo(b)fluoranthene
Concen: 44.178 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 636888

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.7	7.8	11.6





#89
Benzo(k)fluoranthene
Concen: 41.688 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 55611

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.3	7.4	11.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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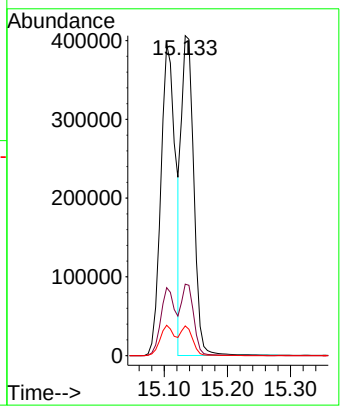
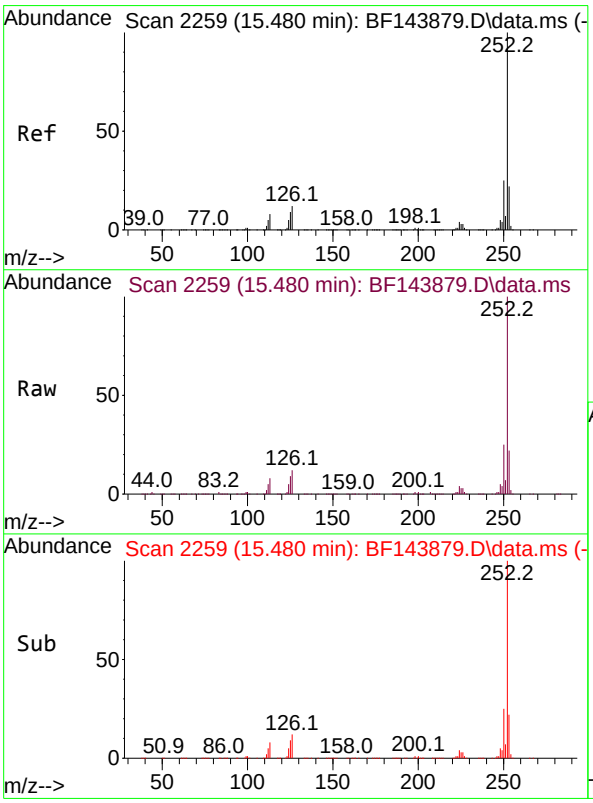
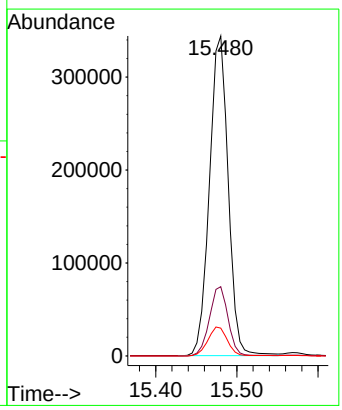


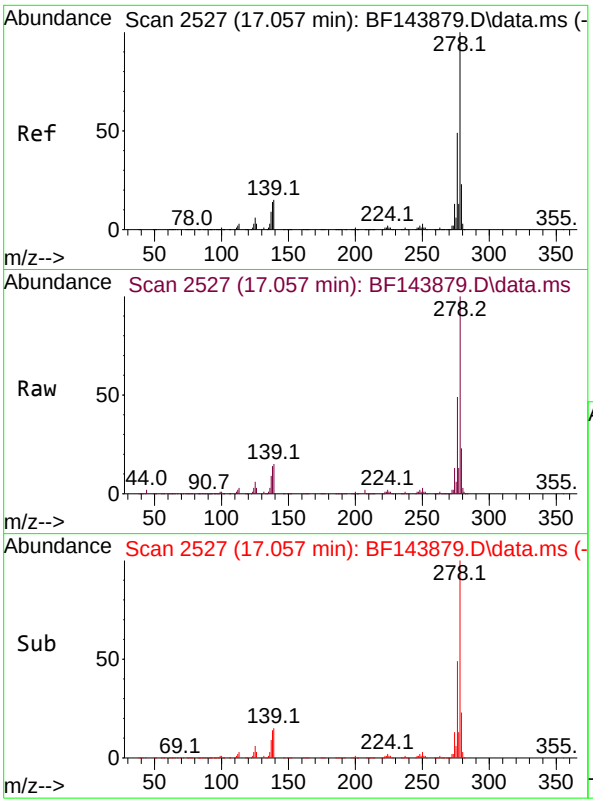


#90
Benzo(a)pyrene
Concen: 44.246 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 553098

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	8.7	7.0	10.4

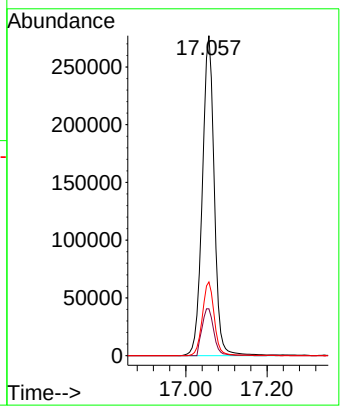




#91
Dibenzo(a,h)anthracene
Concen: 45.774 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:278 Resp: 56613

Ion	Ratio	Lower	Upper
278	100		
139	14.6	11.7	17.5
279	23.0	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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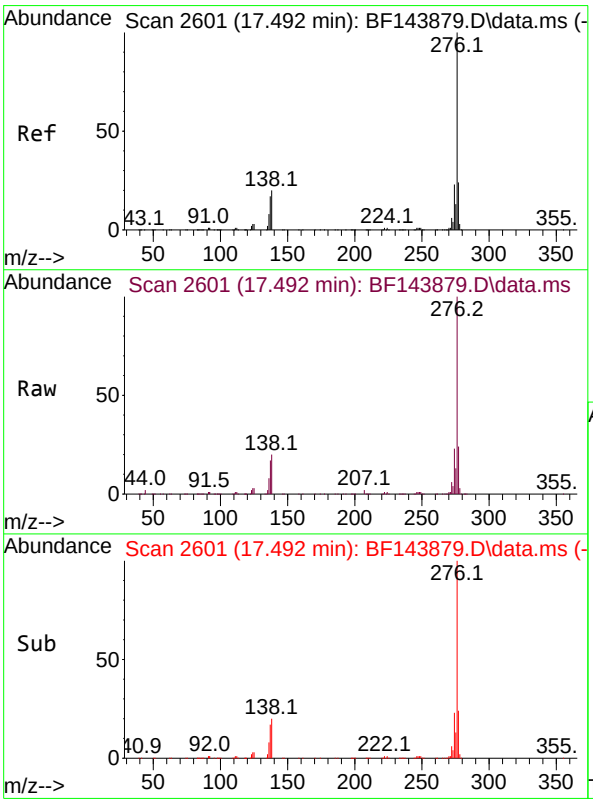
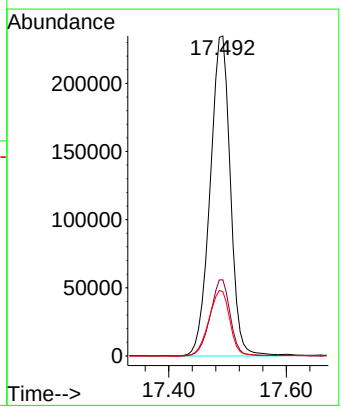
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 45.340 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:276 Resp: 560761

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.1	16.1	24.1



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Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	182011	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	710843	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	393762	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	674807	20.000	ng		0.00
76) Chrysene-d12	14.068	240	390779	20.000	ng		0.00
86) Perylene-d12	15.545	264	426414	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1067519	93.138	ng		0.00
7) Phenol-d6	6.510	99	1277645	93.519	ng		0.00
23) Nitrobenzene-d5	7.451	82	1148649	98.174	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	390657	99.608	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1936883	78.050	ng		0.00
79) Terphenyl-d14	13.010	244	2083463	91.121	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	247738	46.709	ng		99
3) Pyridine	3.416	79	759117	49.164	ng		98
4) n-Nitrosodimethylamine	3.381	42	417134	51.355	ng		98
6) Aniline	6.551	93	994174	48.562	ng		99
8) 2-Chlorophenol	6.669	128	546266	48.757	ng		98
9) Benzaldehyde	6.439	77	545259	51.738	ng		99
10) Phenol	6.528	94	799210	48.932	ng		93
11) bis(2-Chloroethyl)ether	6.622	93	595127	47.169	ng		97
12) 1,3-Dichlorobenzene	6.828	146	607764	45.318	ng		98
13) 1,4-Dichlorobenzene	6.904	146	603407	45.612	ng		99
14) 1,2-Dichlorobenzene	7.057	146	583790	46.072	ng		99
15) Benzyl Alcohol	7.028	79	515929	50.402	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1368524	47.652	ng		99
17) 2-Methylphenol	7.134	107	448120	48.397	ng		99
18) Hexachloroethane	7.398	117	207432	47.017	ng		97
19) n-Nitroso-di-n-propyla...	7.310	70	441373	47.198	ng		98
20) 3+4-Methylphenols	7.292	107	485879	45.276	ng	#	83
22) Acetophenone	7.298	105	665276	44.262	ng	#	94
24) Nitrobenzene	7.475	77	625692	48.155	ng		98
25) Isophorone	7.716	82	1181135	47.877	ng		98
26) 2-Nitrophenol	7.786	139	296399	53.208	ng		99
27) 2,4-Dimethylphenol	7.816	122	480868	47.987	ng		98
28) bis(2-Chloroethoxy)met...	7.916	93	706471	45.333	ng		99
29) 2,4-Dichlorophenol	8.022	162	497289	47.642	ng		97
30) 1,2,4-Trichlorobenzene	8.110	180	473064	46.083	ng		98
31) Naphthalene	8.192	128	1451547	44.890	ng		100
32) Benzoic acid	7.945	122	384635	55.462	ng		98
33) 4-Chloroaniline	8.239	127	567726	46.813	ng		99
34) Hexachlorobutadiene	8.304	225	325186	45.586	ng		99
35) Caprolactam	8.628	113	167817	50.565	ng		99
36) 4-Chloro-3-methylphenol	8.716	107	477376	47.612	ng		98
37) 2-Methylnaphthalene	8.881	142	935960	43.453	ng		99
38) 1-Methylnaphthalene	8.981	142	918550	43.965	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	491771	45.187	ng		99
41) Hexachlorocyclopentadiene	9.033	237	242390	53.686	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	376991	47.410	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

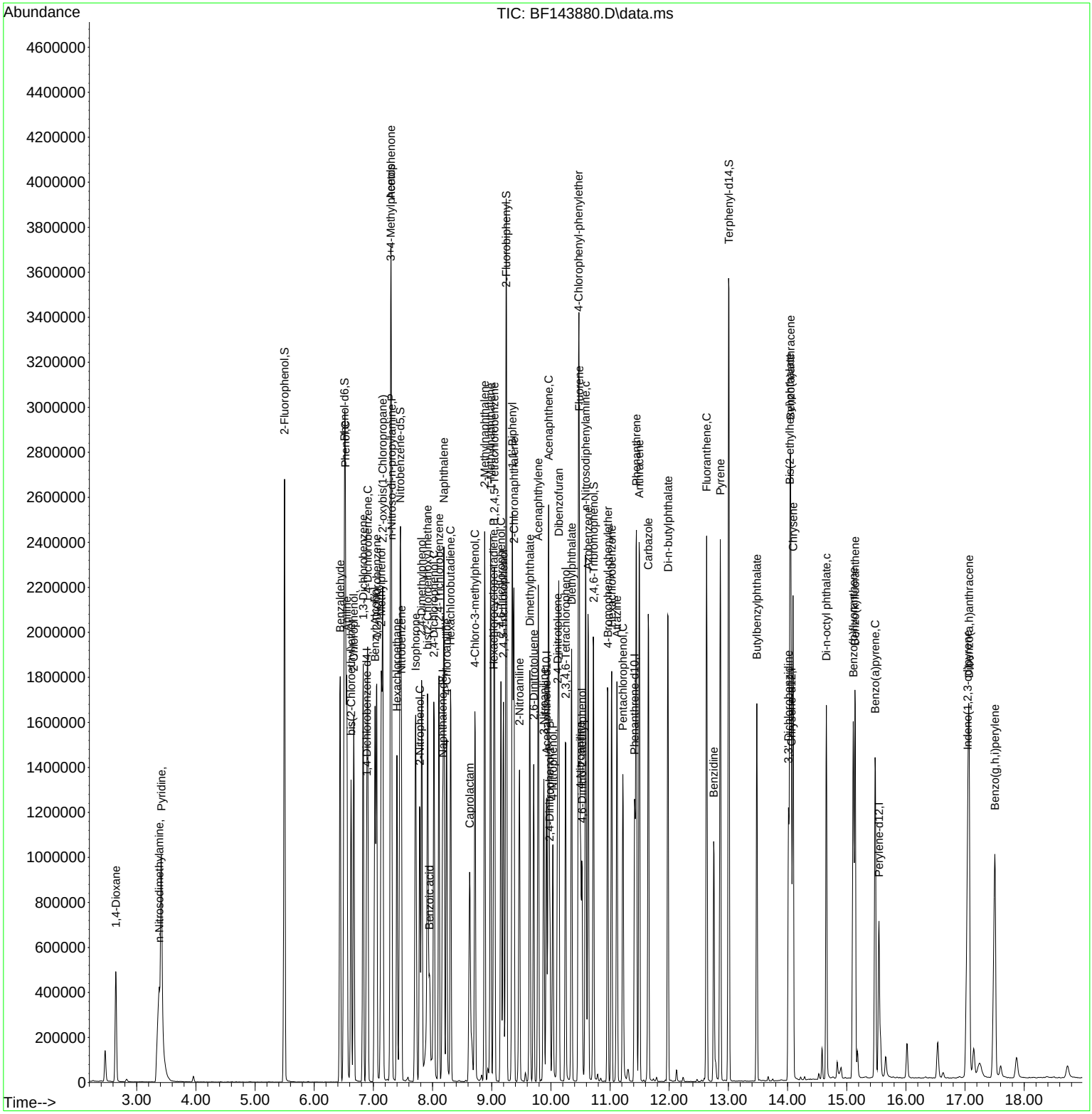
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	395213	47.031	ng		99
46) 1,1'-Biphenyl	9.351	154	1116775	42.837	ng		99
47) 2-Chloronaphthalene	9.375	162	972675	44.748	ng		98
48) 2-Nitroaniline	9.469	65	348179	50.665	ng		96
49) Acenaphthylene	9.786	152	1364193	44.642	ng		100
50) Dimethylphthalate	9.645	163	1147448	45.888	ng		99
51) 2,6-Dinitrotoluene	9.710	165	246567	53.176	ng		99
52) Acenaphthene	9.963	154	883487	44.122	ng		99
53) 3-Nitroaniline	9.880	138	291630	51.366	ng		97
54) 2,4-Dinitrophenol	9.980	184	140496	51.801	ng	#	82
55) Dibenzofuran	10.133	168	1233091	43.625	ng		99
56) 4-Nitrophenol	10.033	139	226765	52.750	ng		96
57) 2,4-Dinitrotoluene	10.116	165	329984	52.304	ng		98
58) Fluorene	10.480	166	882946	41.398	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	294987	49.591	ng	#	98
60) Diethylphthalate	10.351	149	1053032	45.330	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	477108	42.311	ng		98
62) 4-Nitroaniline	10.498	138	282713	51.782	ng		98
63) Azobenzene	10.627	77	1096875	45.178	ng		97
65) 4,6-Dinitro-2-methylph...	10.527	198	188400	55.558	ng		99
66) n-Nitrosodiphenylamine	10.586	169	943991	44.552	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	339818	45.566	ng		97
68) Hexachlorobenzene	11.027	284	407614	47.211	ng		97
69) Atrazine	11.116	200	309799	48.240	ng		99
70) Pentachlorophenol	11.216	266	259359	52.304	ng		98
71) Phenanthrene	11.445	178	1419666	43.395	ng		100
72) Anthracene	11.492	178	1440404	43.583	ng		99
73) Carbazole	11.645	167	1291982	44.139	ng		99
74) Di-n-butylphthalate	11.980	149	1534951	45.246	ng		100
75) Fluoranthene	12.633	202	1478181	43.744	ng		99
77) Benzidine	12.751	184	636126	46.882	ng		99
78) Pyrene	12.863	202	1505326	46.206	ng		99
80) Butylbenzylphthalate	13.480	149	532754	50.352	ng		99
81) Benzo(a)anthracene	14.051	228	1203843	47.075	ng		98
82) 3,3'-Dichlorobenzidine	14.015	252	391334	50.214	ng		98
83) Chrysene	14.092	228	1090275	46.065	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	626818	49.146	ng		99
85) Di-n-octyl phthalate	14.657	149	1082833	51.691	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1316167	50.373	ng		100
88) Benzo(b)fluoranthene	15.110	252	1167220	47.652	ng		98
89) Benzo(k)fluoranthene	15.139	252	983488	43.392	ng		98
90) Benzo(a)pyrene	15.480	252	997382	46.960	ng		97
91) Dibenzo(a,h)anthracene	17.068	278	1039281	49.457	ng		97
92) Benzo(g,h,i)perylene	17.503	276	1056021	50.253	ng		100

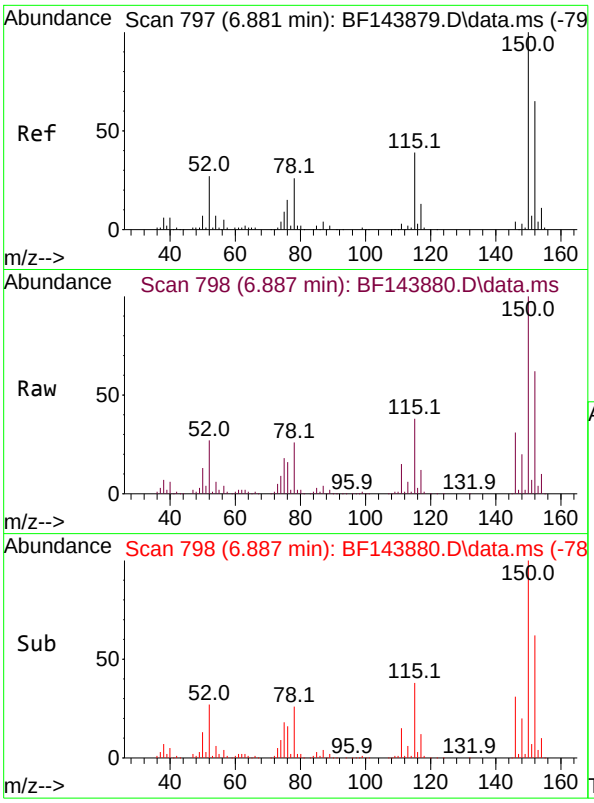
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



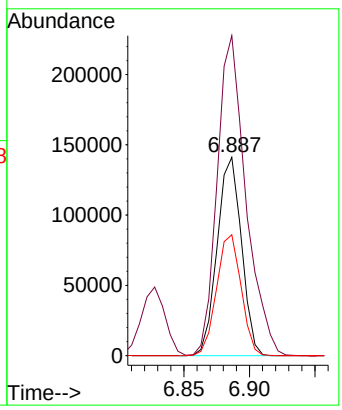


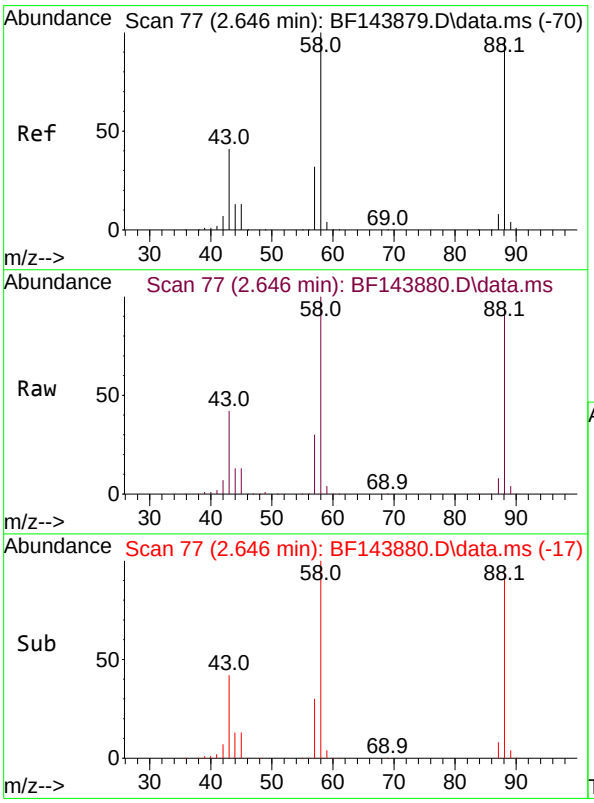
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 182011

Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.4	186.6
115	60.9	48.1	72.1

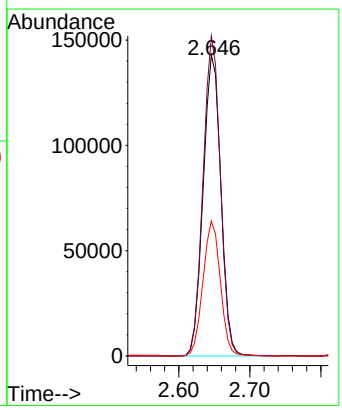


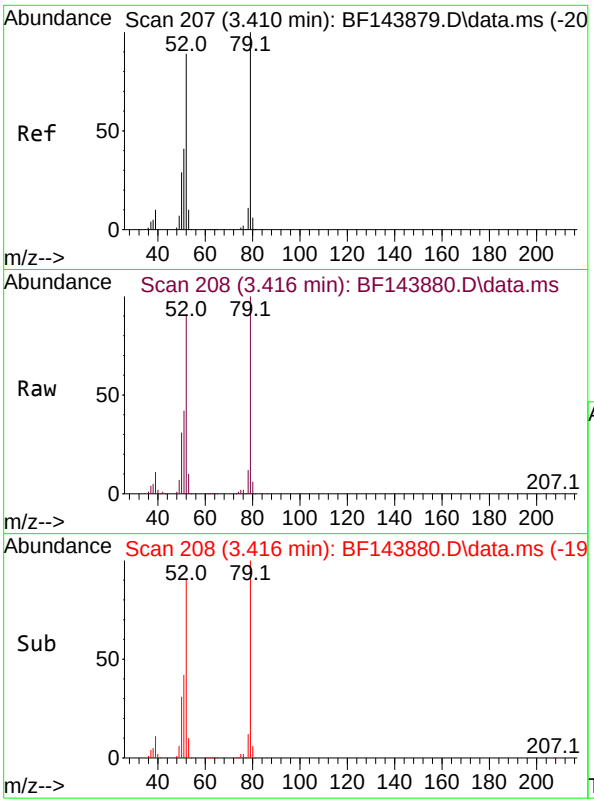


#2
1,4-Dioxane
Concen: 46.709 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 88 Resp: 247738

Ion	Ratio	Lower	Upper
88	100		
58	103.6	83.0	124.6
43	43.8	33.9	50.9



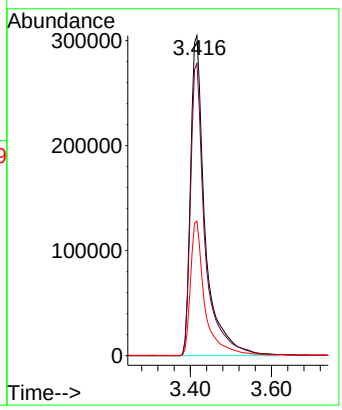


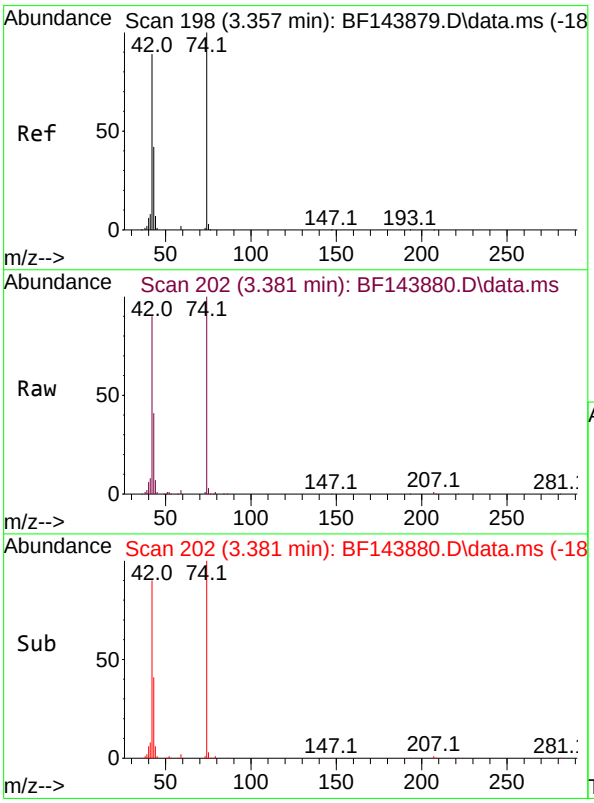
#3
Pyridine
Concen: 49.164 ng
RT: 3.416 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 759117

Ion	Ratio	Lower	Upper
79	100		
52	91.3	71.5	107.3
51	42.0	32.9	49.3

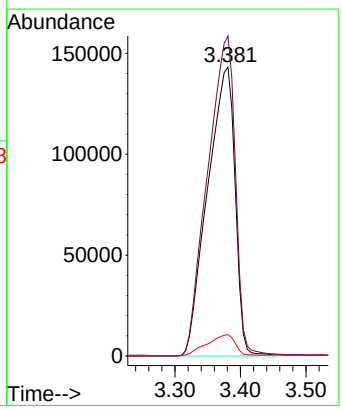


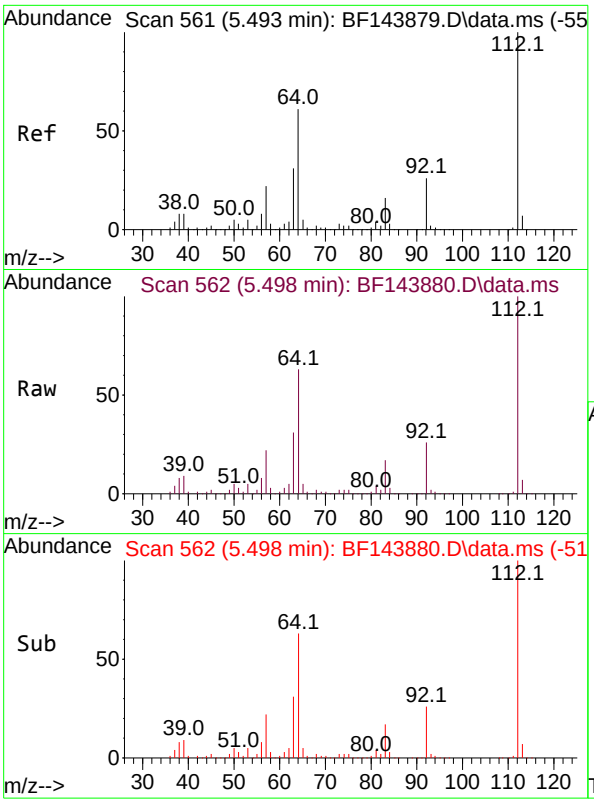


#4
n-Nitrosodimethylamine
Concen: 51.355 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 42 Resp: 417134

Ion	Ratio	Lower	Upper
42	100		
74	110.8	90.0	135.0
44	7.3	6.2	9.2



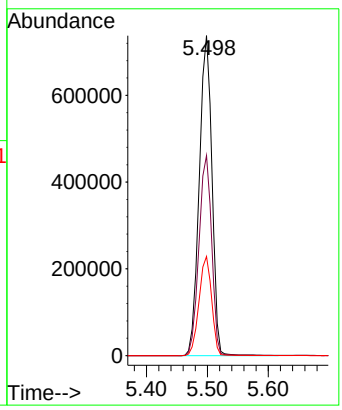


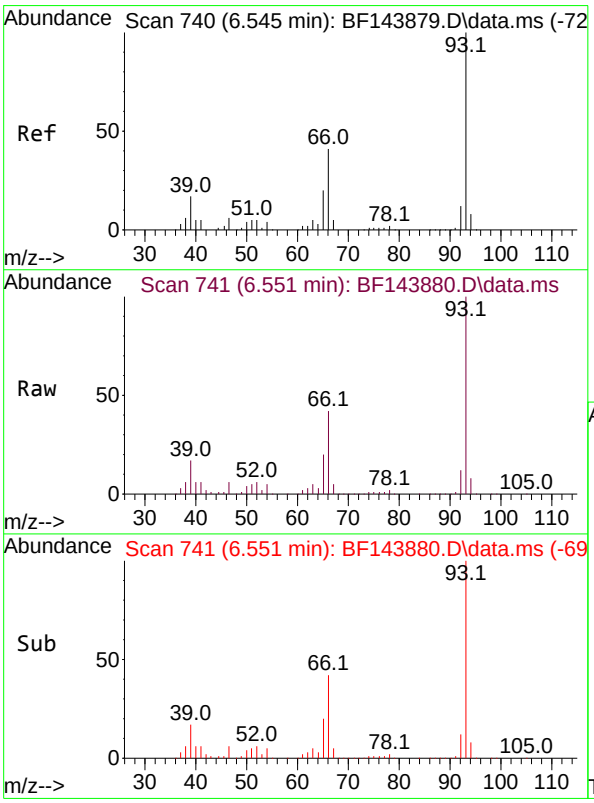
#5
2-Fluorophenol
Concen: 93.138 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1067519

Ion	Ratio	Lower	Upper
112	100		
64	62.5	49.1	73.7
63	31.0	24.5	36.7

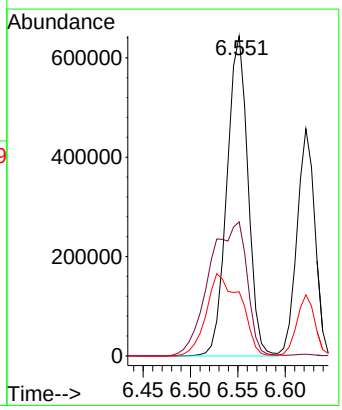


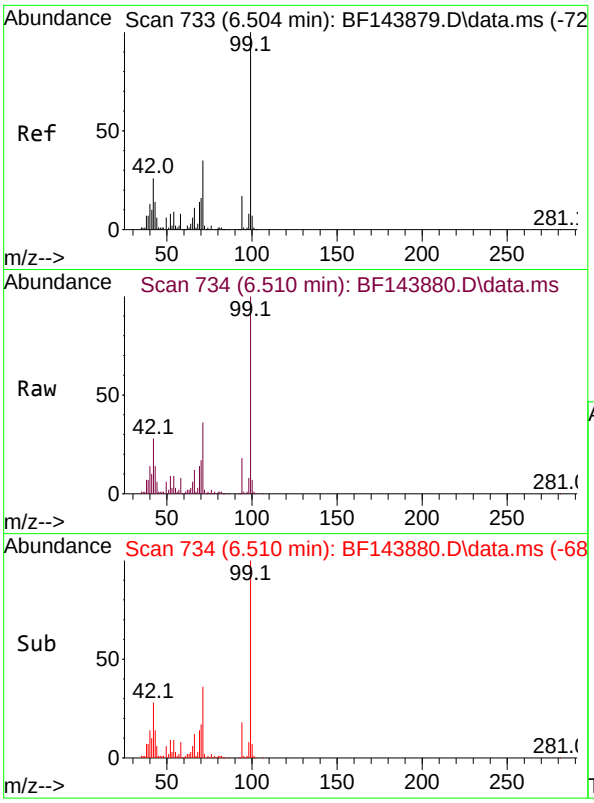


#6
Aniline
Concen: 48.562 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 93 Resp: 994174

Ion	Ratio	Lower	Upper
93	100		
66	41.9	33.0	49.6
65	20.0	15.8	23.8



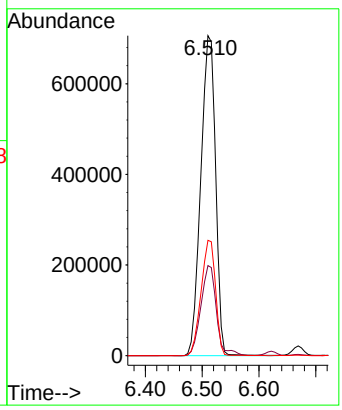


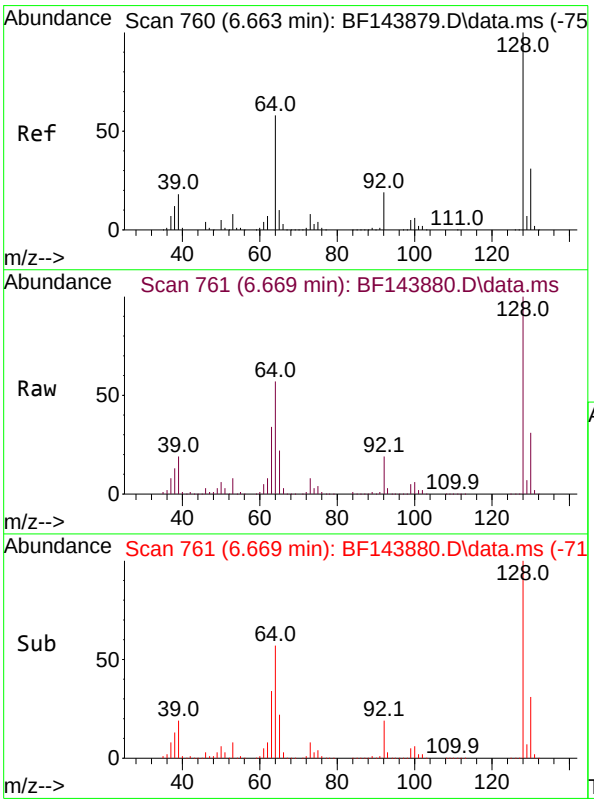
#7
Phenol-d6
Concen: 93.519 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1277645

Ion	Ratio	Lower	Upper
99	100		
42	28.1	21.0	31.4
71	36.0	27.8	41.8

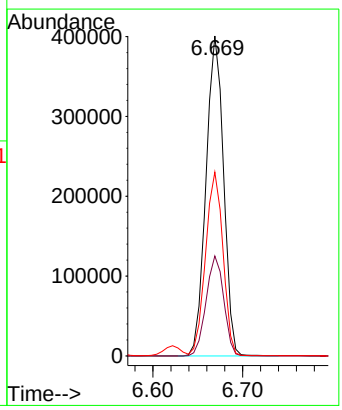


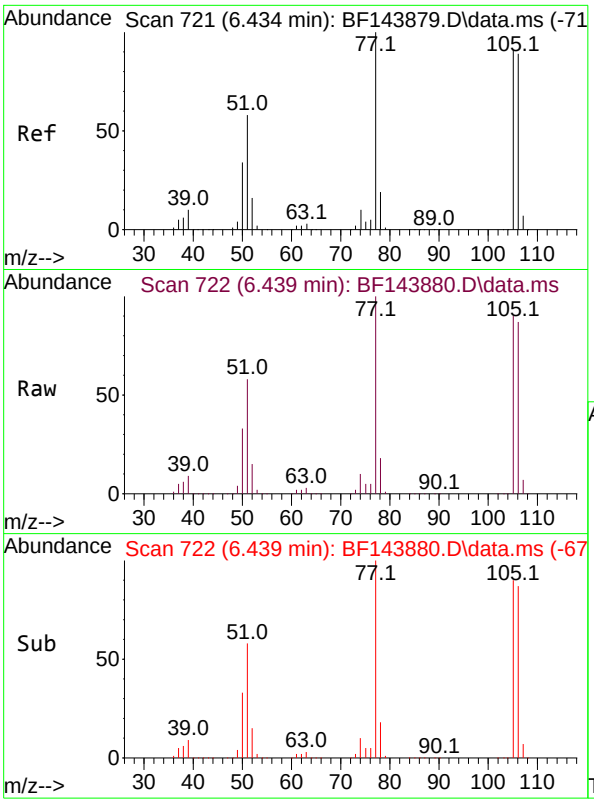


#8
2-Chlorophenol
Concen: 48.757 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:128 Resp: 546266

Ion	Ratio	Lower	Upper
128	100		
130	31.2	10.7	50.7
64	57.4	39.0	79.0



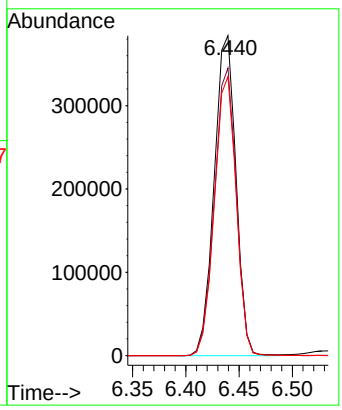


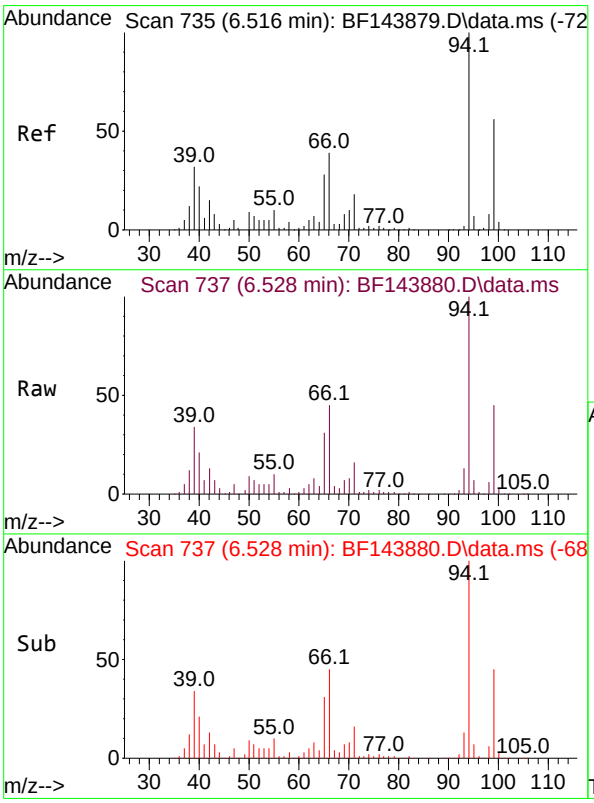
#9
Benzaldehyde
Concen: 51.738 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 545259

Ion	Ratio	Lower	Upper
77	100		
105	89.9	70.9	110.9
106	87.2	68.9	108.9

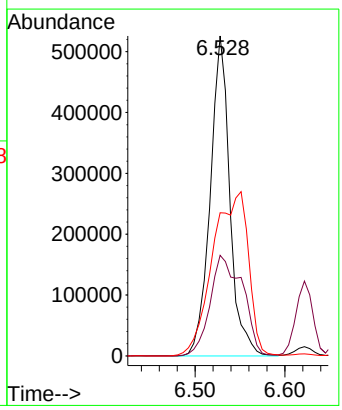


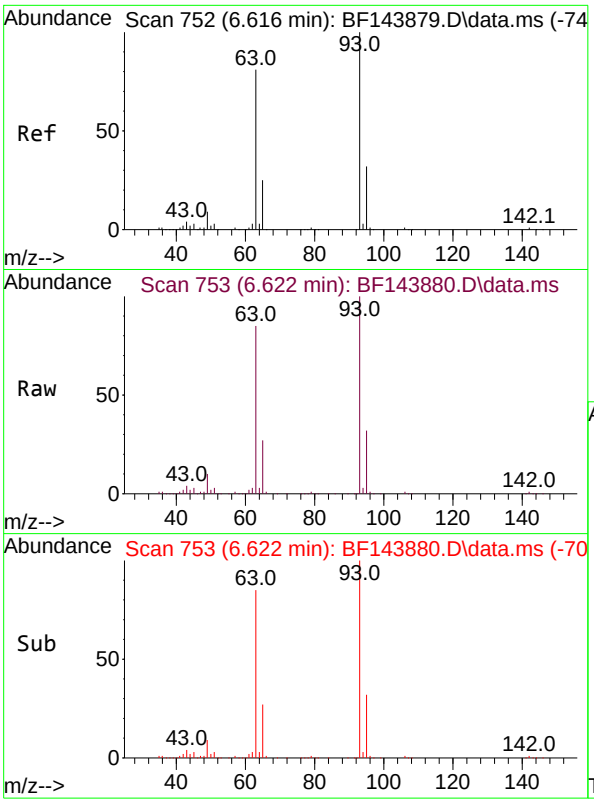


#10
Phenol
Concen: 48.932 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 94 Resp: 799210

Ion	Ratio	Lower	Upper
94	100		
65	31.4	8.5	48.5
66	44.7	19.9	59.9



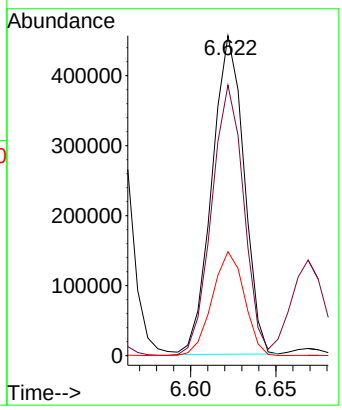


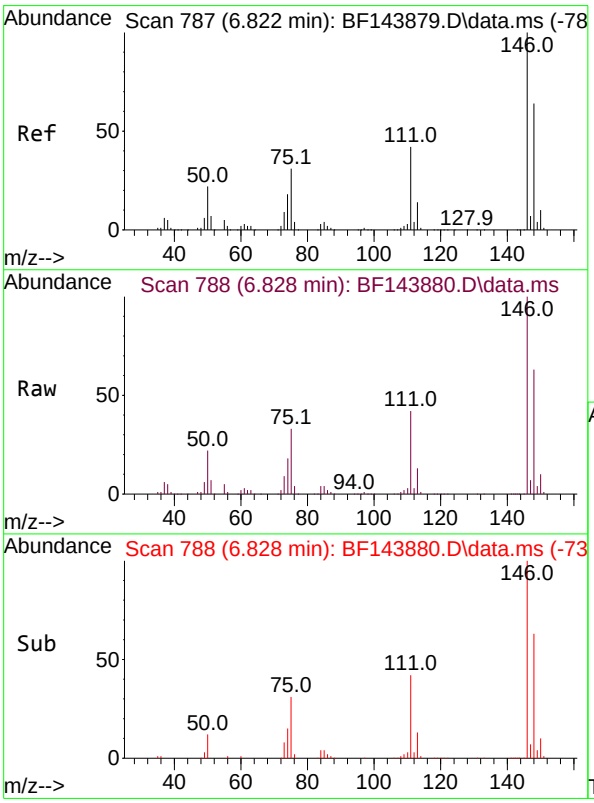
#11
bis(2-Chloroethyl)ether
Concen: 47.169 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 595127

Ion	Ratio	Lower	Upper
93	100		
63	84.5	60.9	100.9
95	32.5	11.5	51.5

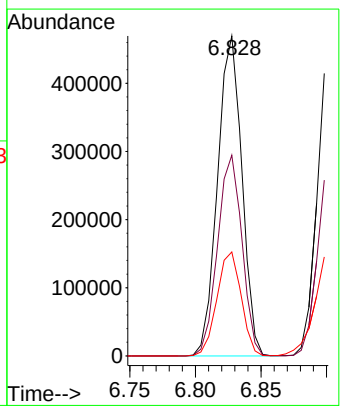


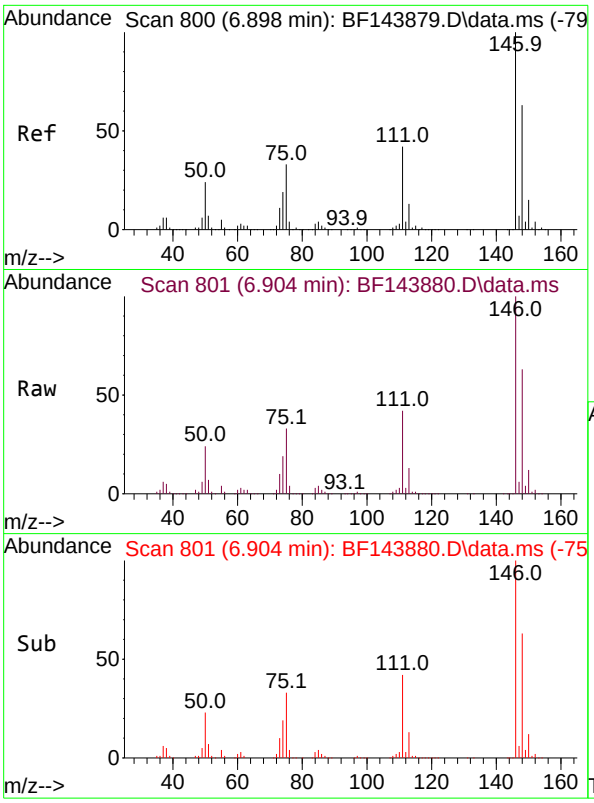


#12
1,3-Dichlorobenzene
Concen: 45.318 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:146 Resp: 607764

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.0	76.4
75	32.5	24.9	37.3



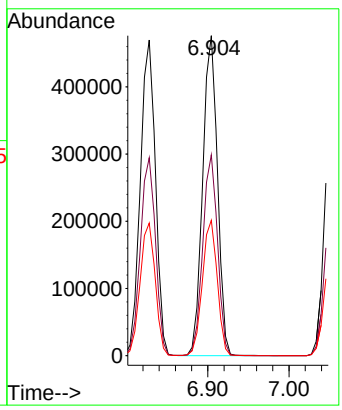


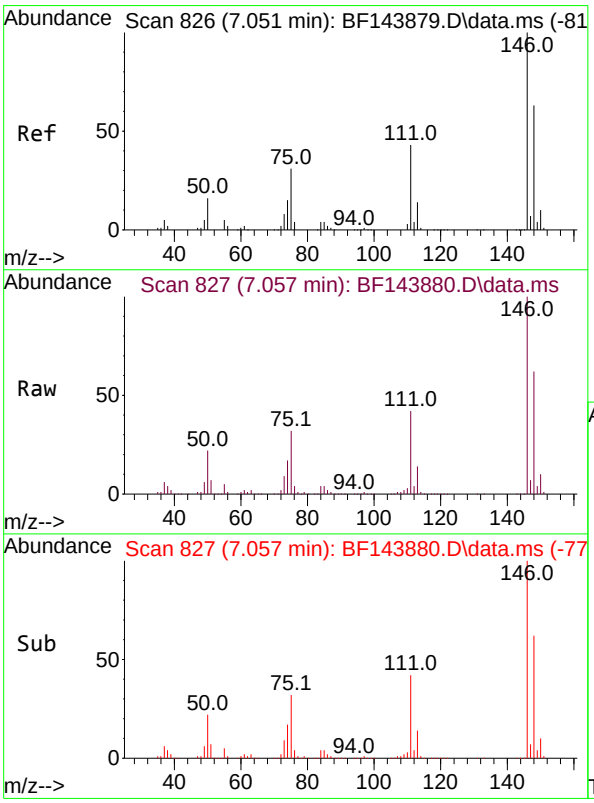
#13
1,4-Dichlorobenzene
Concen: 45.612 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 603407

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
111	42.3	33.4	50.0

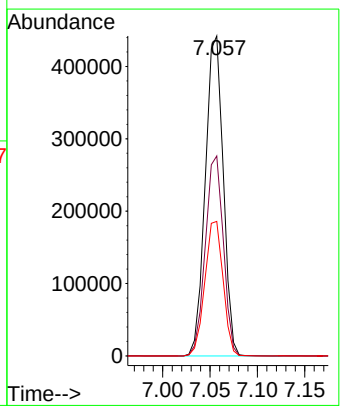


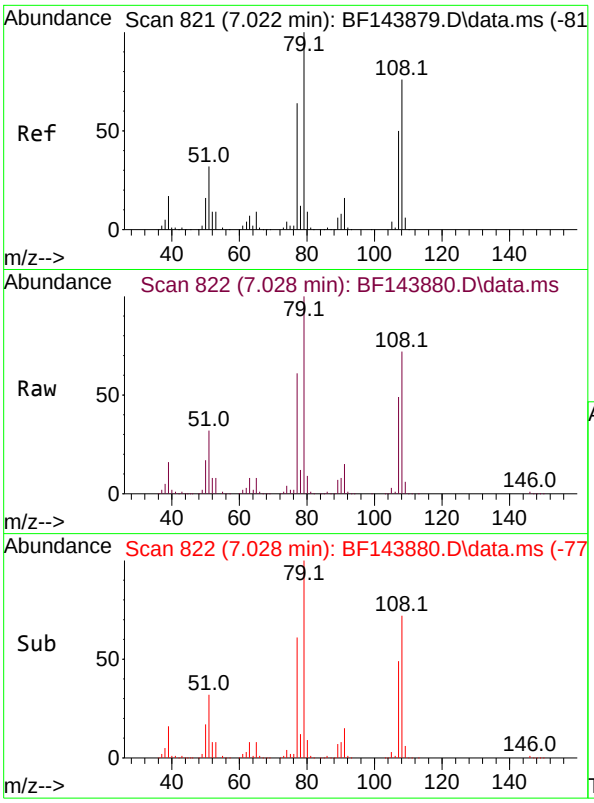


#14
1,2-Dichlorobenzene
Concen: 46.072 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:146 Resp: 583790

Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.6	75.8
111	42.0	34.6	51.8



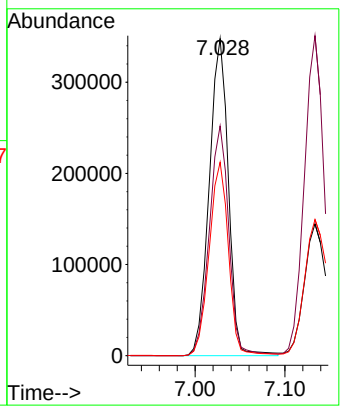


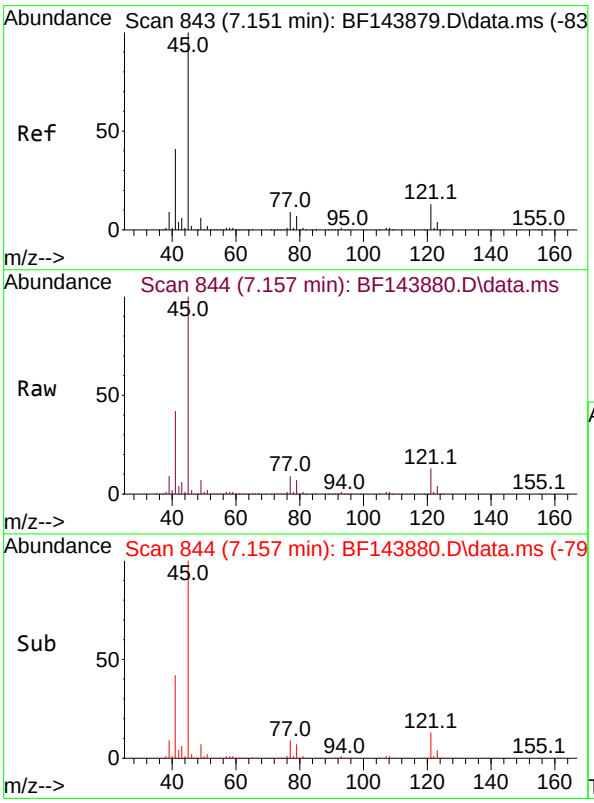
#15
Benzyl Alcohol
Concen: 50.402 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 515929

Ion	Ratio	Lower	Upper
79	100		
108	72.4	60.8	91.2
77	61.0	51.0	76.6

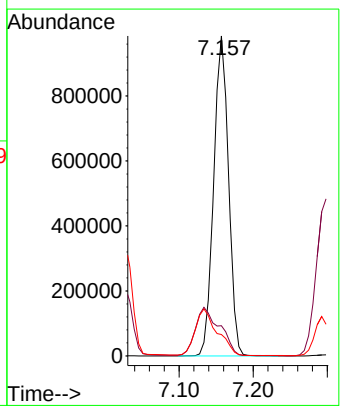


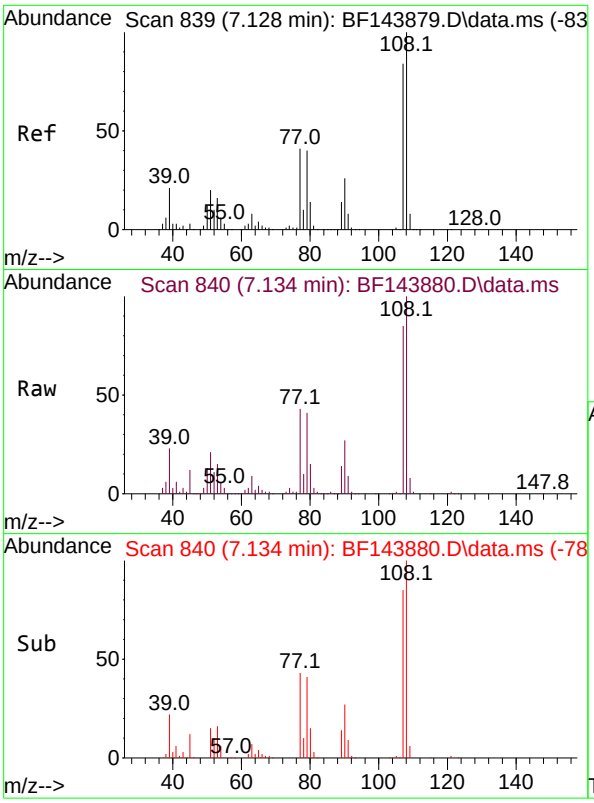


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.652 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 45 Resp: 1368524

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	29.0
79	6.7	0.0	26.8



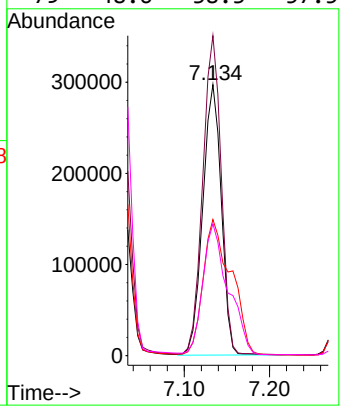


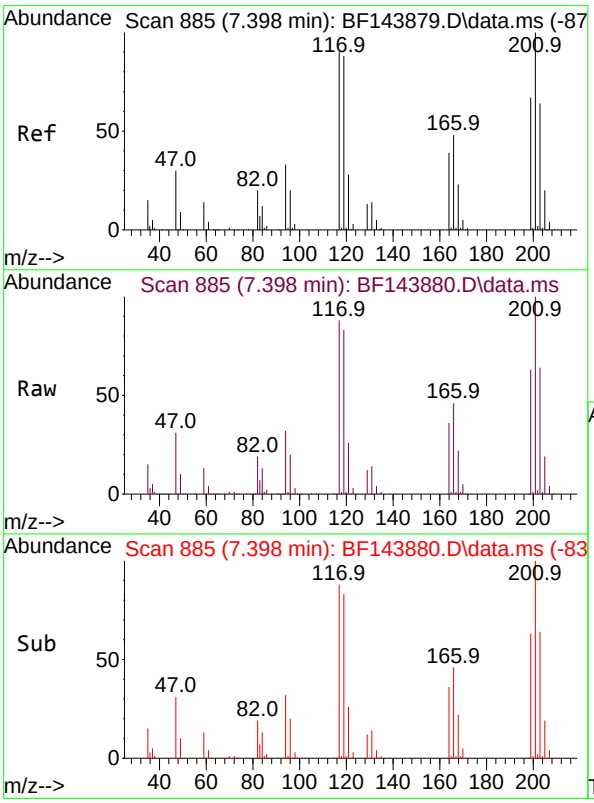
#17
2-Methylphenol
Concen: 48.397 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 448120

Ion	Ratio	Lower	Upper
107	100		
108	118.1	94.7	142.1
77	50.2	38.8	58.2
79	48.6	38.3	57.5

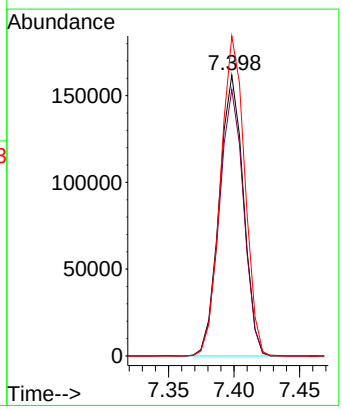


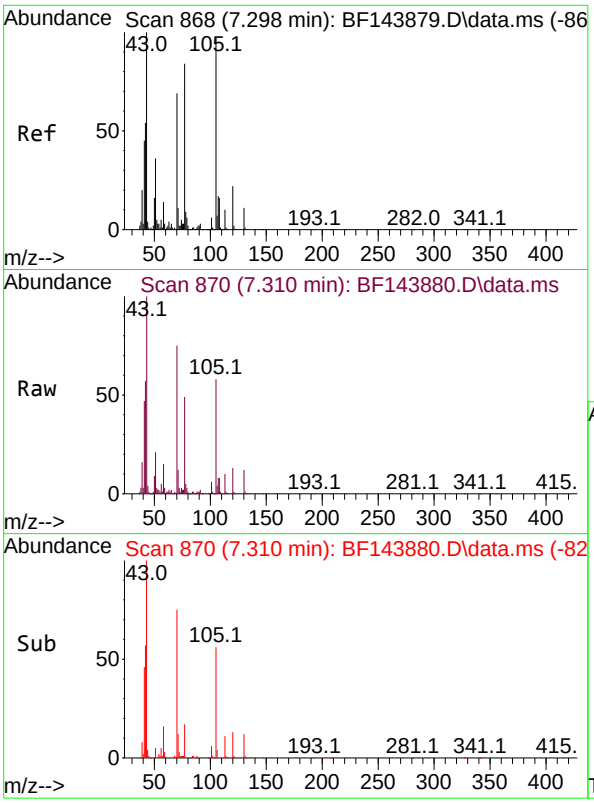


#18
Hexachloroethane
Concen: 47.017 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:117 Resp: 207432

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.8
201	114.0	88.5	132.7



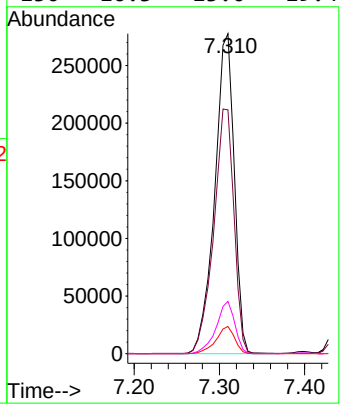


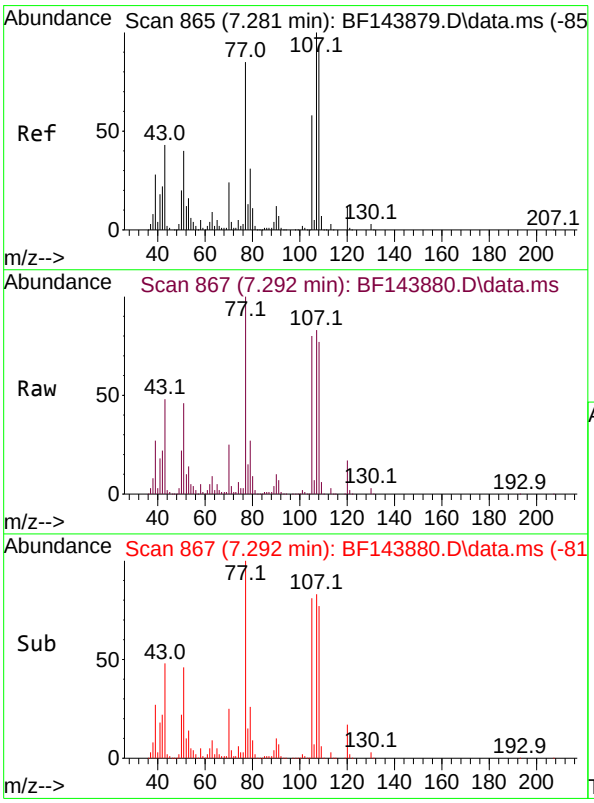
#19
n-Nitroso-di-n-propylamine
Concen: 47.198 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 441373

Ion	Ratio	Lower	Upper
70	100		
42	76.2	62.8	94.2
101	8.5	6.7	10.1
130	16.3	13.0	19.4

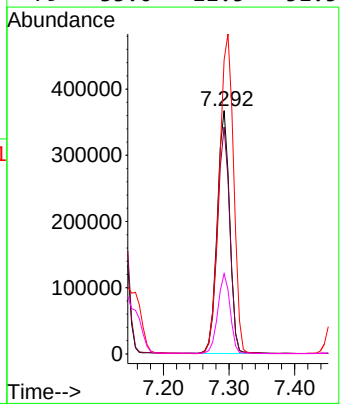


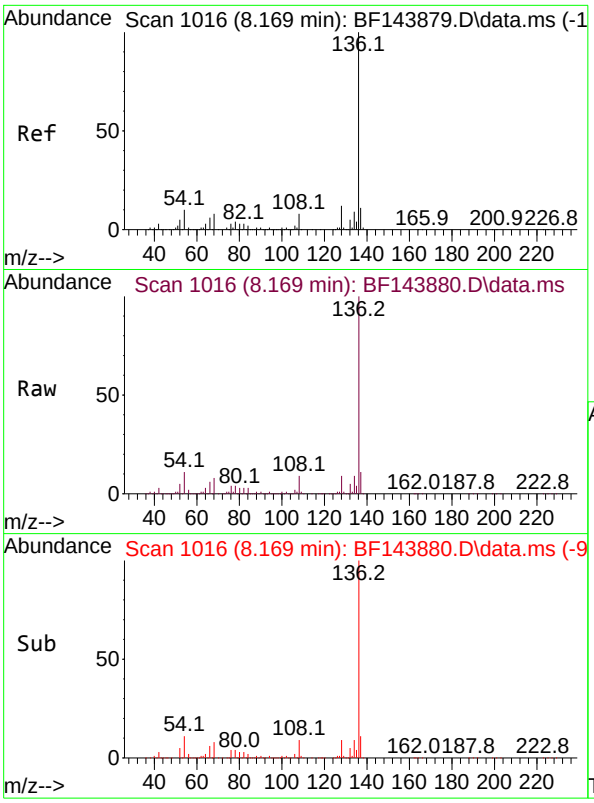


#20
3+4-Methylphenols
Concen: 45.276 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:107 Resp: 485879

Ion	Ratio	Lower	Upper
107	100		
108	93.2	73.0	113.0
77	120.9	64.6	104.6#
79	33.0	11.5	51.5



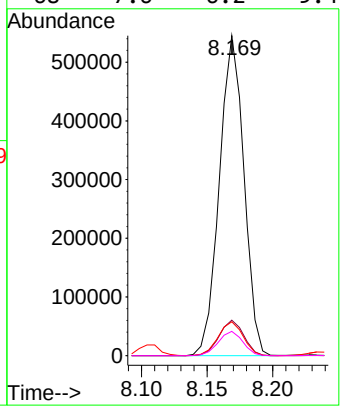


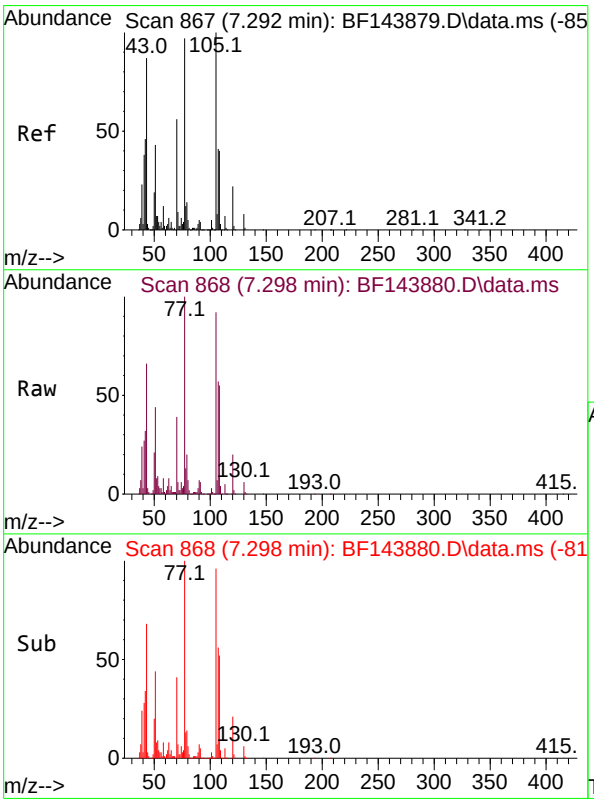
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 710843

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.6	8.2	12.4
68	7.6	6.2	9.4

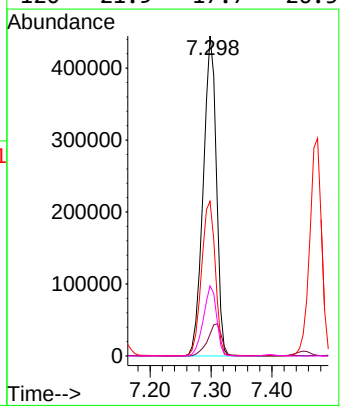


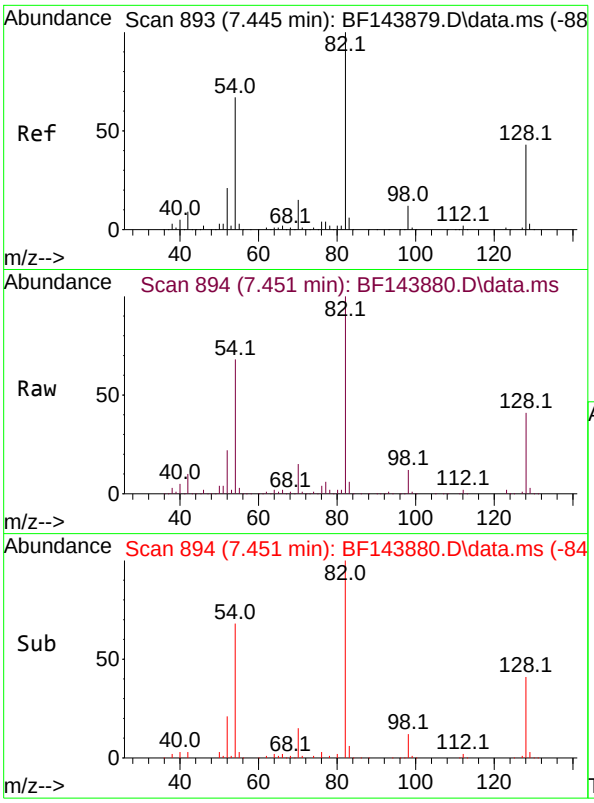


#22
Acetophenone
Concen: 44.262 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:105 Resp: 665276

Ion	Ratio	Lower	Upper
105	100		
71	6.8	7.4	11.0#
51	48.3	34.2	51.4
120	21.9	17.7	26.5



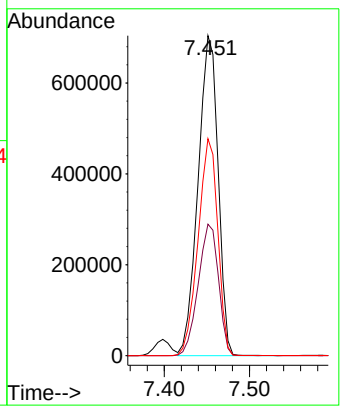


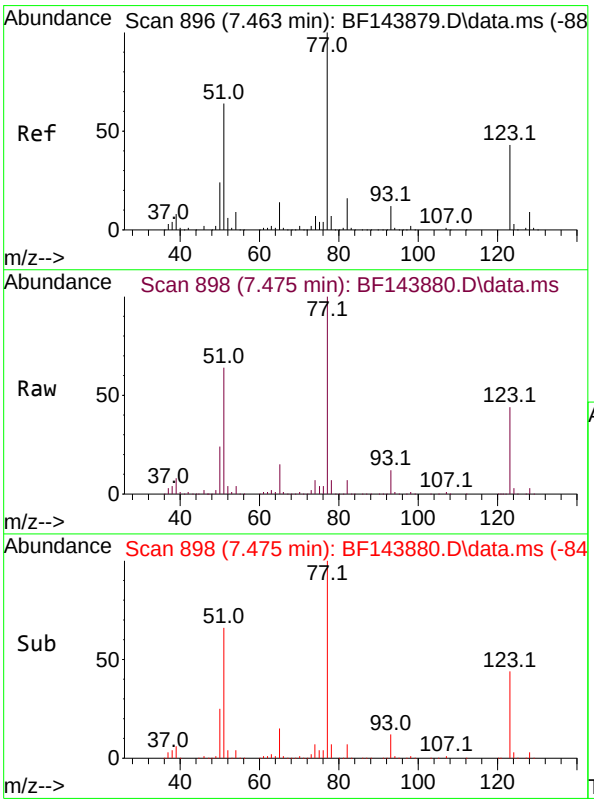
#23
Nitrobenzene-d5
Concen: 98.174 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1148649

Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.0	51.0
54	67.8	53.2	79.8

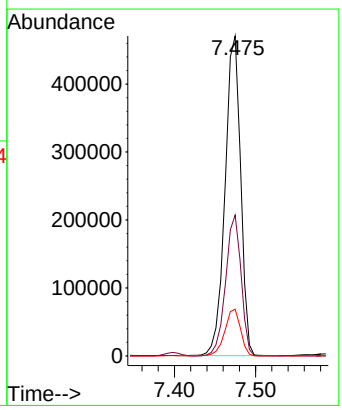


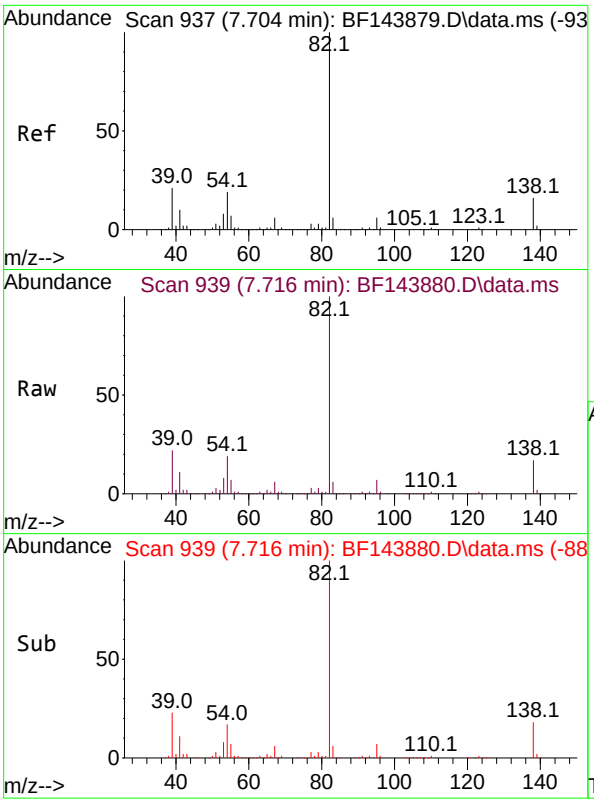


#24
Nitrobenzene
Concen: 48.155 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 77 Resp: 625692

Ion	Ratio	Lower	Upper
77	100		
123	44.0	34.2	51.4
65	14.6	11.0	16.6



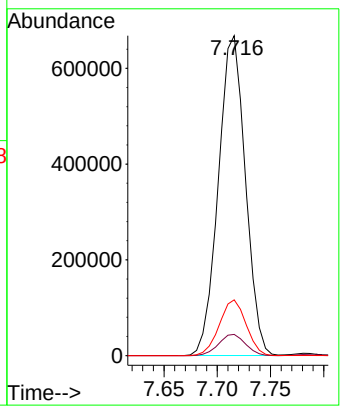


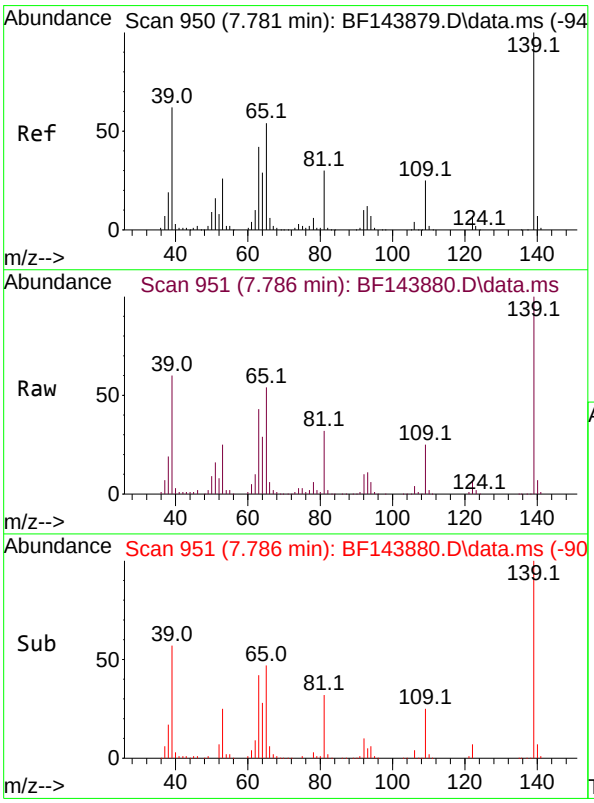
#25
Isophorone
Concen: 47.877 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1181135

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	17.4	12.9	19.3

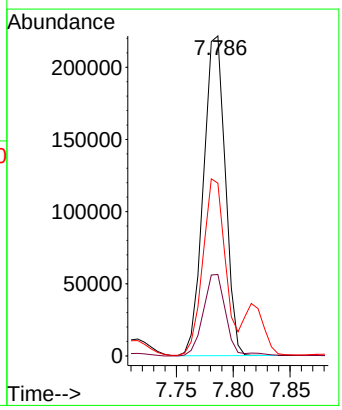


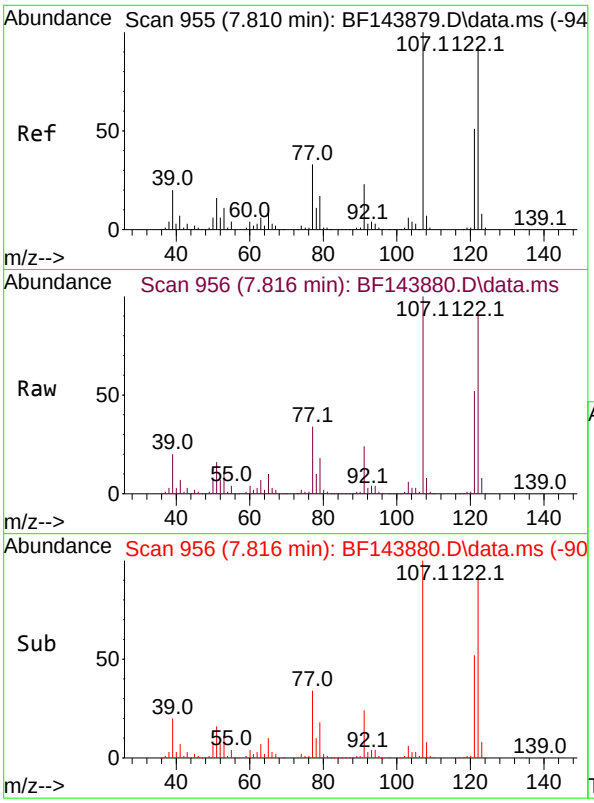


#26
2-Nitrophenol
Concen: 53.208 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:139 Resp: 296399

Ion	Ratio	Lower	Upper
139	100		
109	25.5	19.8	29.6
65	54.0	42.9	64.3



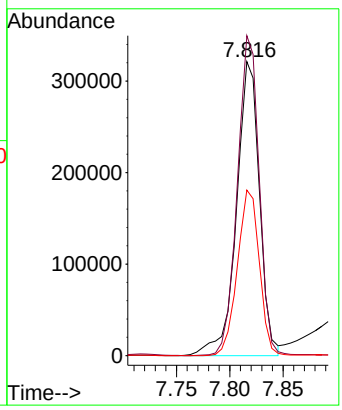


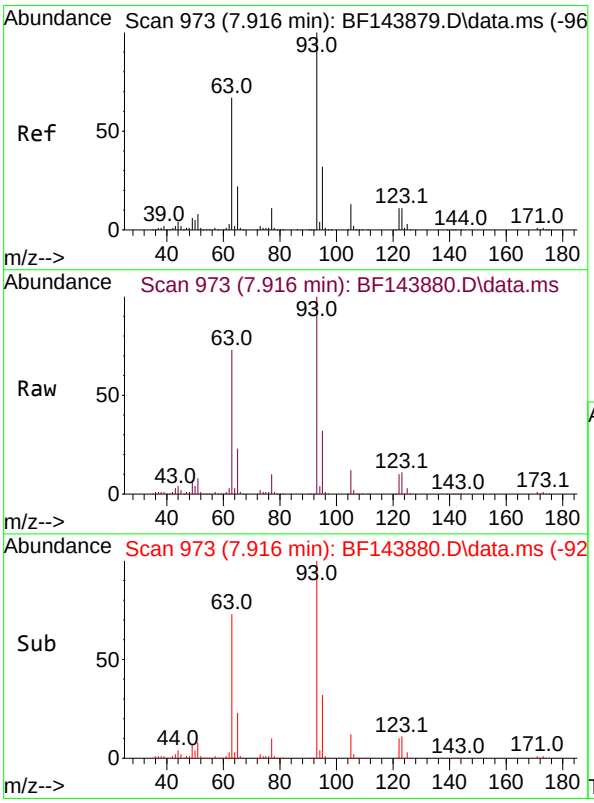
#27
2,4-Dimethylphenol
Concen: 47.987 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 480868

Ion	Ratio	Lower	Upper
122	100		
107	108.8	86.1	129.1
121	56.3	43.8	65.6

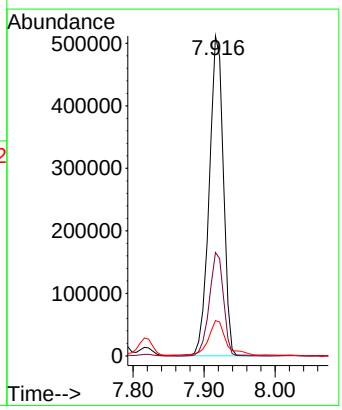


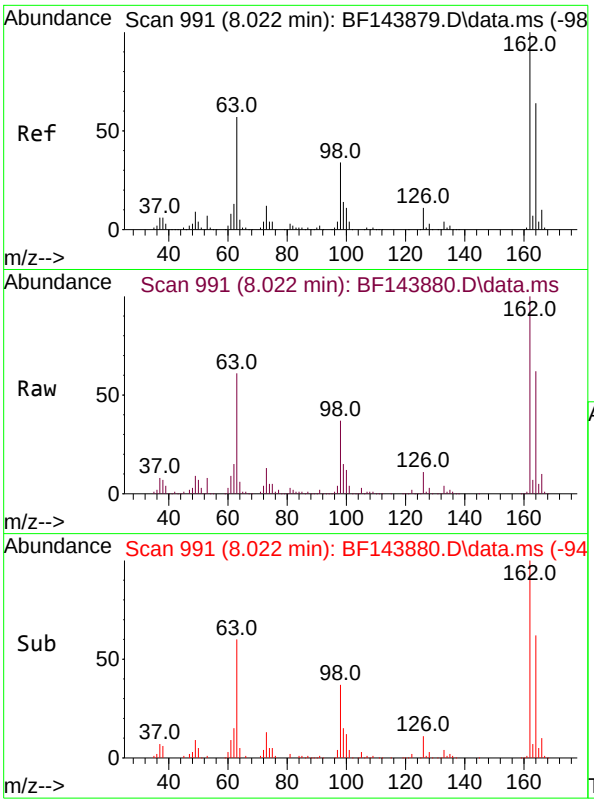


#28
bis(2-Chloroethoxy)methane
Concen: 45.333 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 93 Resp: 706471

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	11.0	9.4	14.0



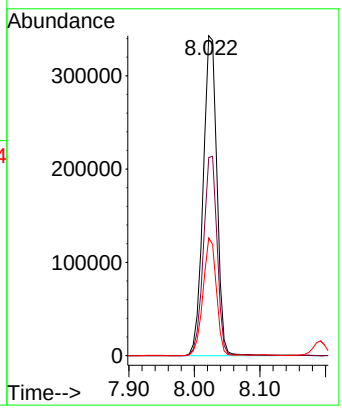


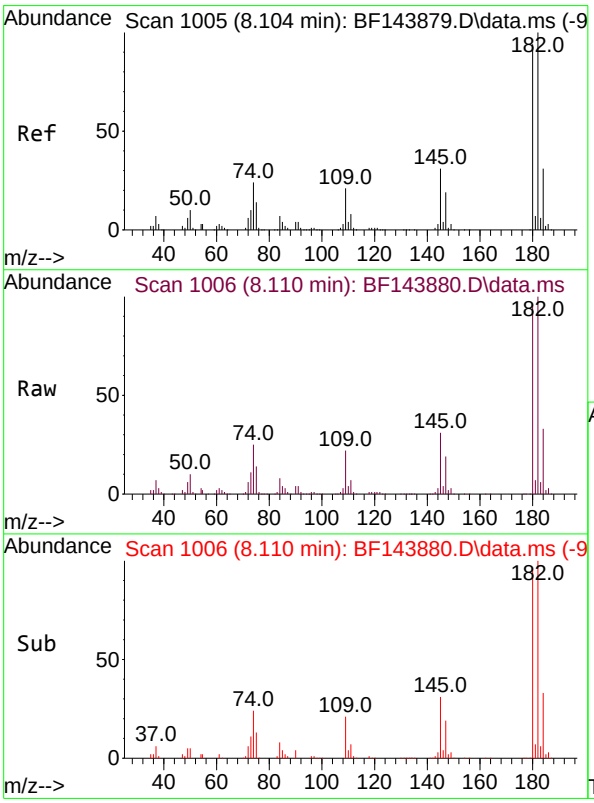
#29
2,4-Dichlorophenol
Concen: 47.642 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 497289

Ion	Ratio	Lower	Upper
162	100		
164	61.9	43.9	83.9
98	36.8	14.4	54.4

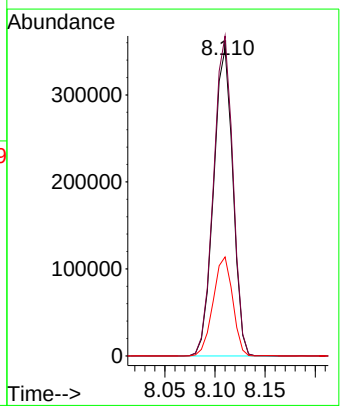


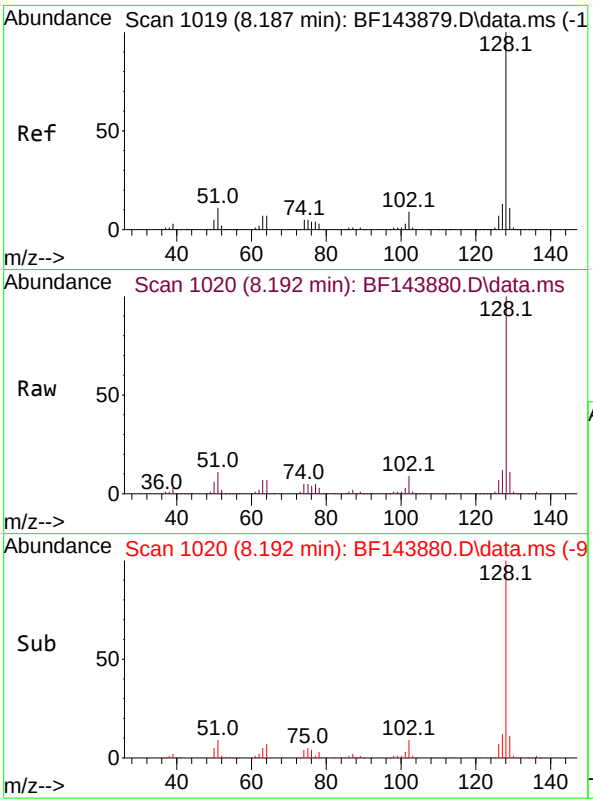


#30
1,2,4-Trichlorobenzene
Concen: 46.083 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:180 Resp: 473064

Ion	Ratio	Lower	Upper
180	100		
182	104.1	85.4	128.0
145	32.2	26.3	39.5



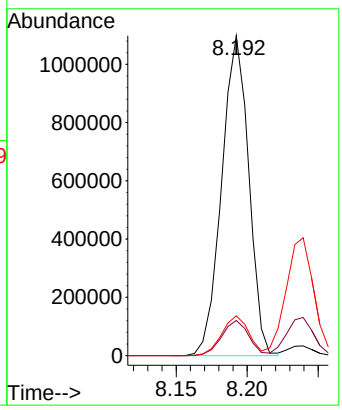


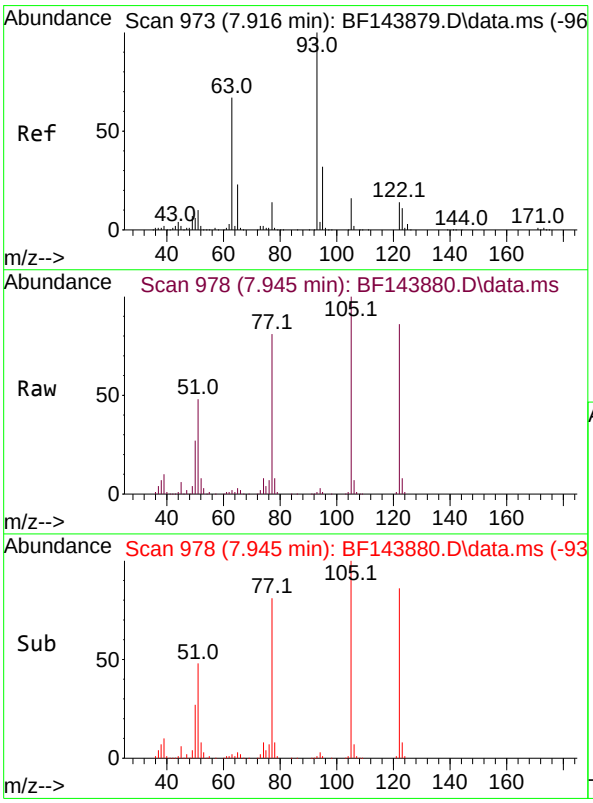
#31
Naphthalene
Concen: 44.890 ng
RT: 8.192 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1451547

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.4	10.0	15.0

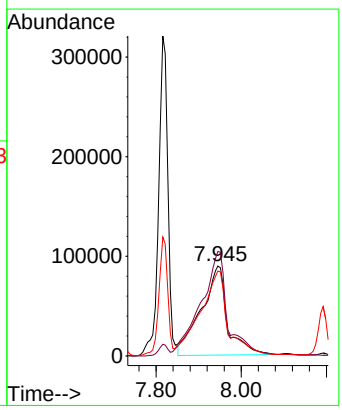


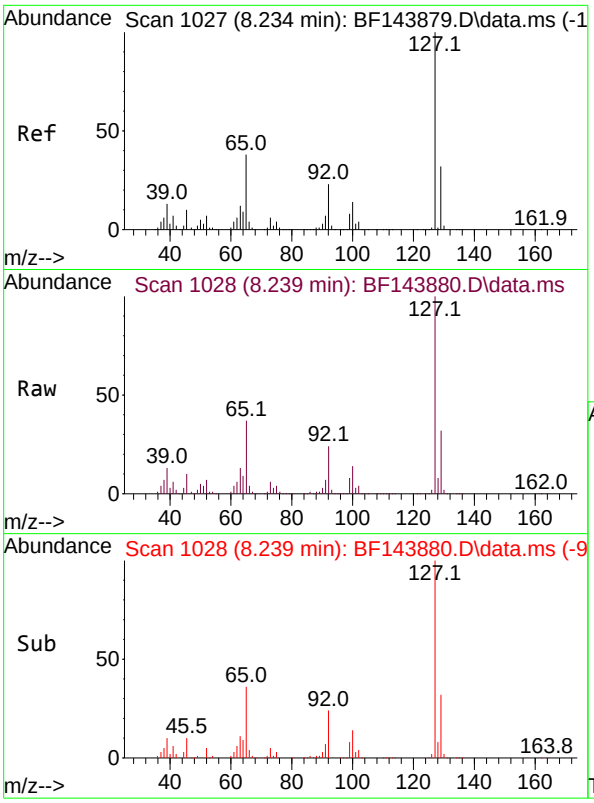


#32
Benzoic acid
Concen: 55.462 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:122 Resp: 384635

Ion	Ratio	Lower	Upper
122	100		
105	116.3	93.5	133.5
77	94.5	76.3	116.3



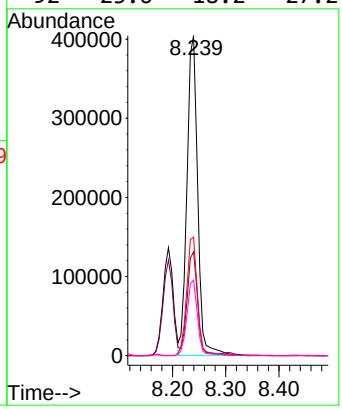


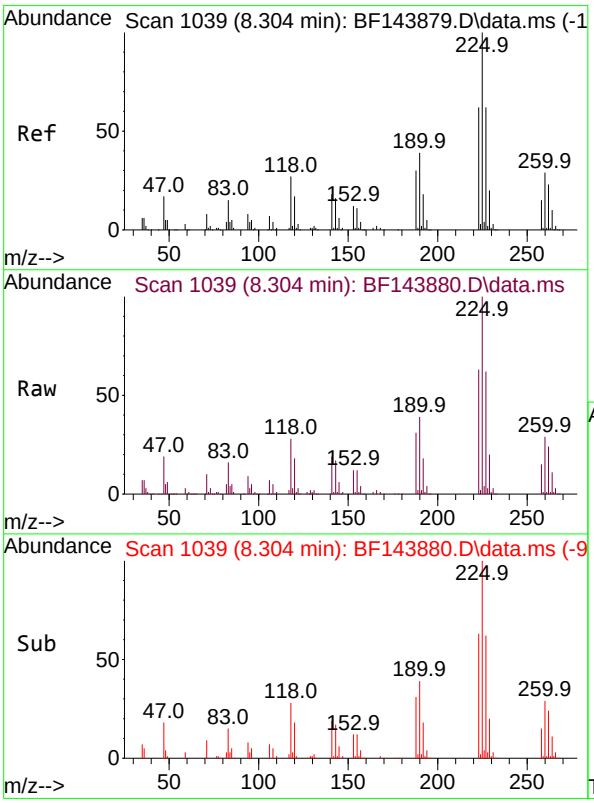
#33
4-Chloroaniline
Concen: 46.813 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 567726

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.8	38.8
65	37.0	30.0	45.0
92	23.6	18.2	27.2

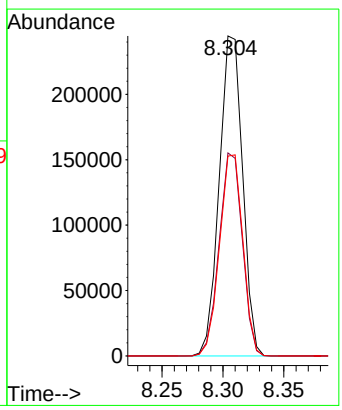


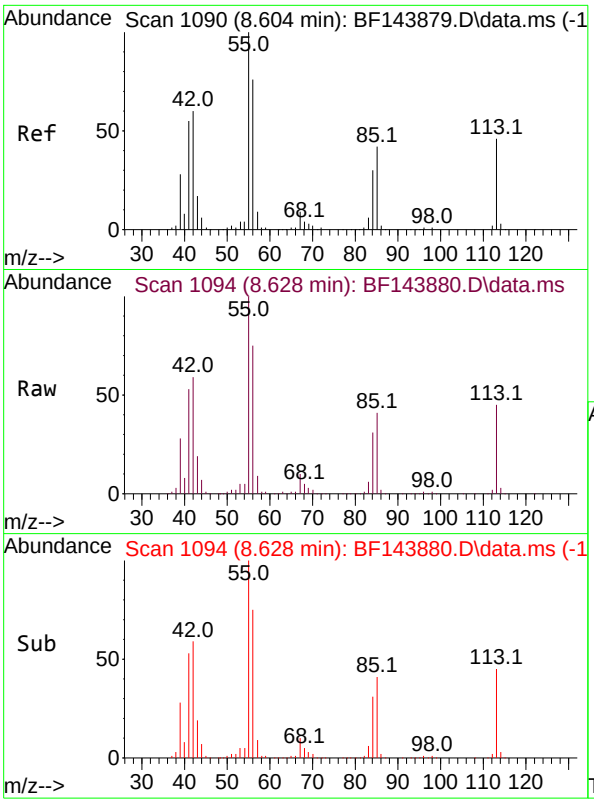


#34
Hexachlorobutadiene
Concen: 45.586 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:225 Resp: 325186

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.4	74.2
227	62.4	49.7	74.5



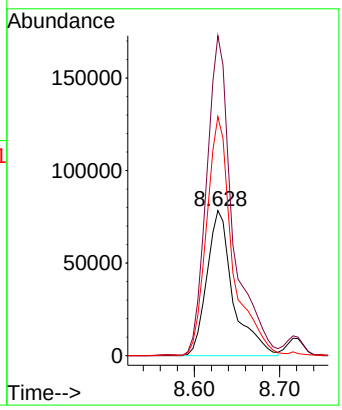


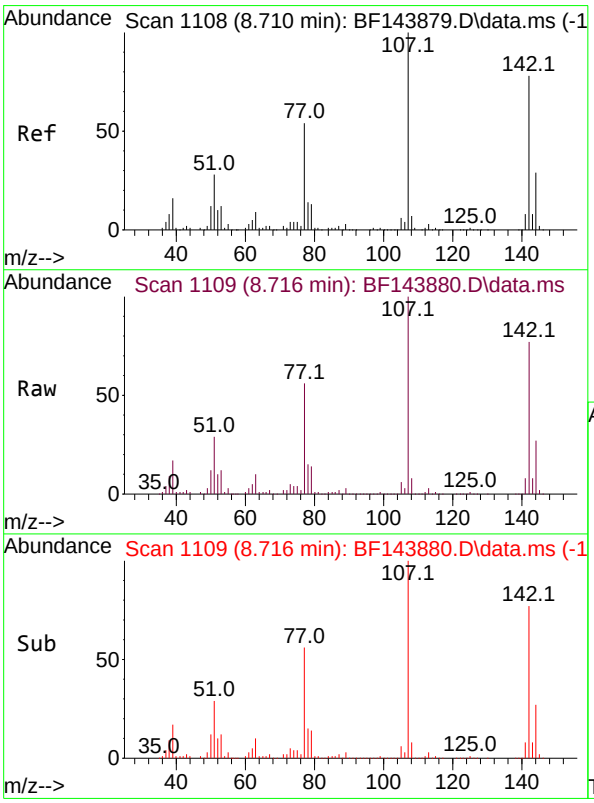
#35
Caprolactam
Concen: 50.565 ng
RT: 8.628 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 167817

Ion	Ratio	Lower	Upper
113	100		
55	220.6	199.6	239.6
56	164.8	146.0	186.0

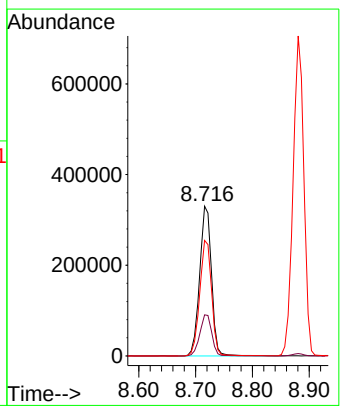


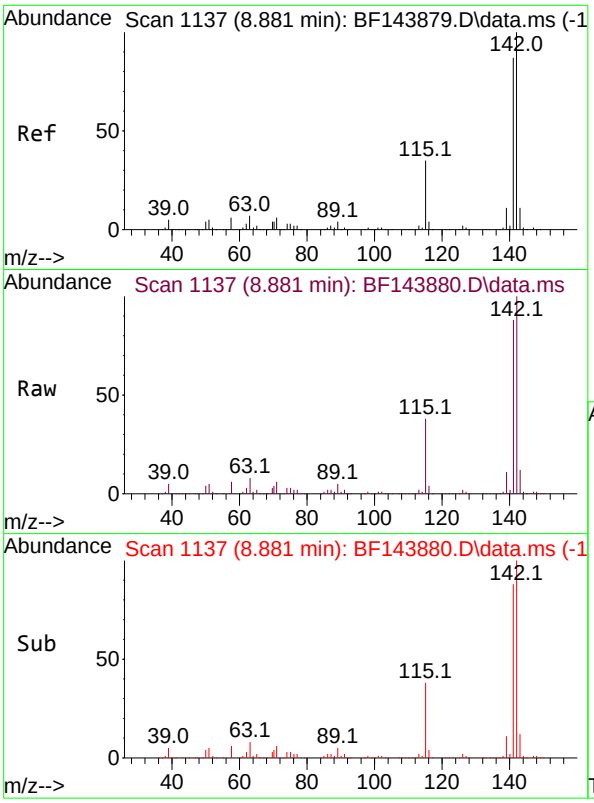


#36
4-Chloro-3-methylphenol
Concen: 47.612 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:107 Resp: 477376

Ion	Ratio	Lower	Upper
107	100		
144	27.5	23.1	34.7
142	77.1	62.6	94.0



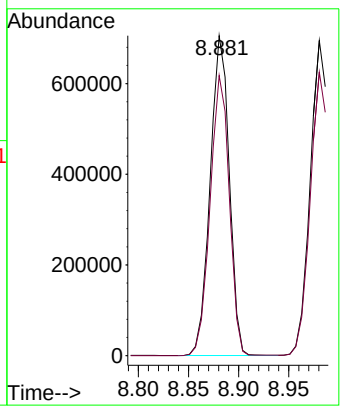


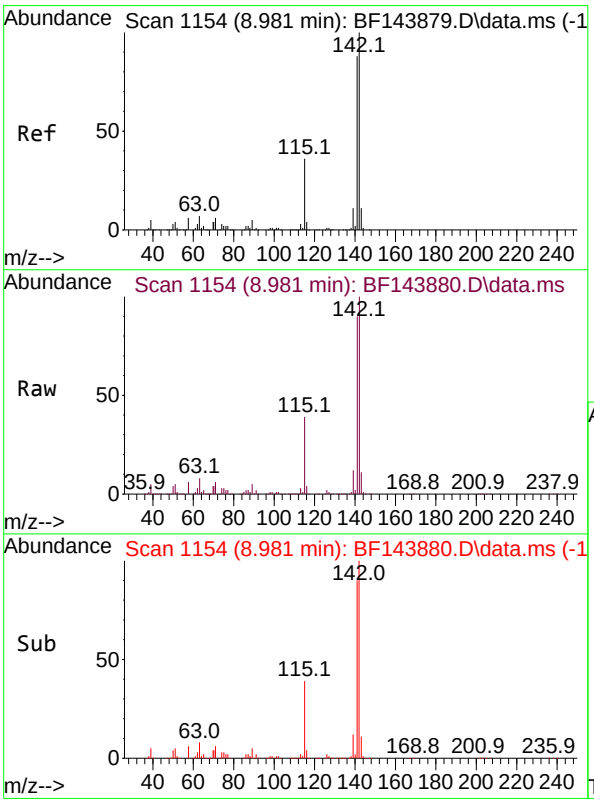
#37
2-Methylnaphthalene
Concen: 43.453 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 935960

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.2	103.8

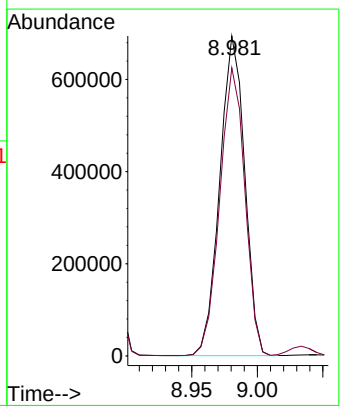


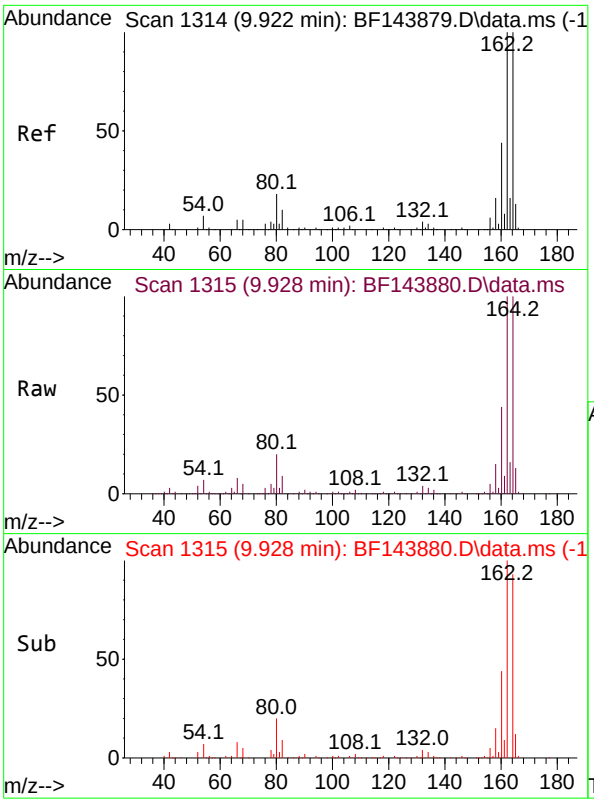


#38
1-Methylnaphthalene
Concen: 43.965 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:142 Resp: 918550

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2



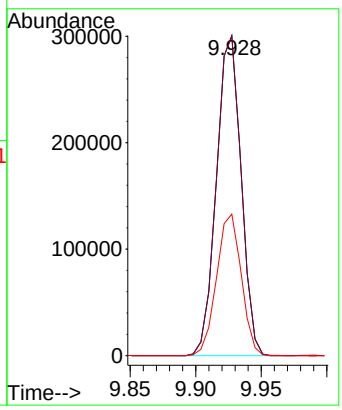


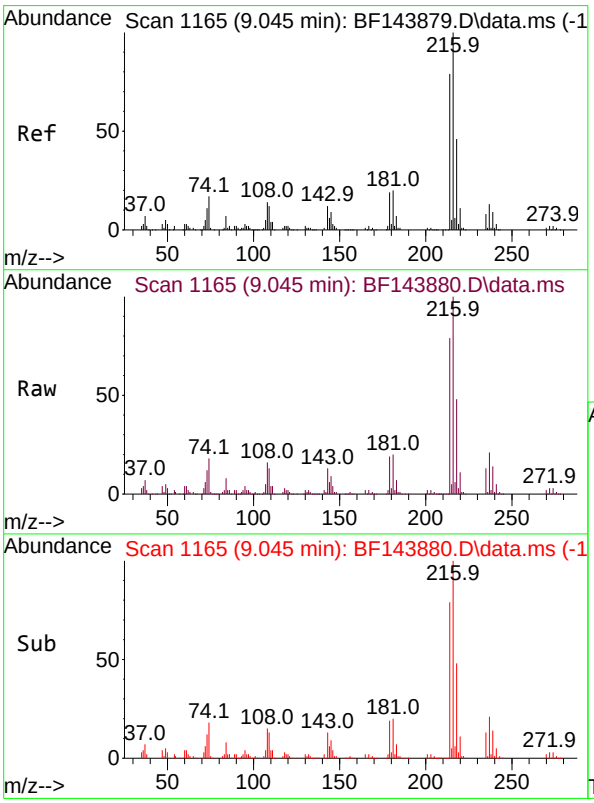
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 393762

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.2
160	44.2	35.4	53.0

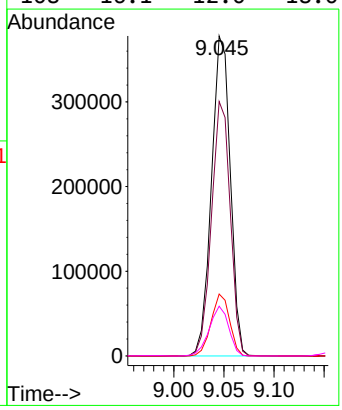


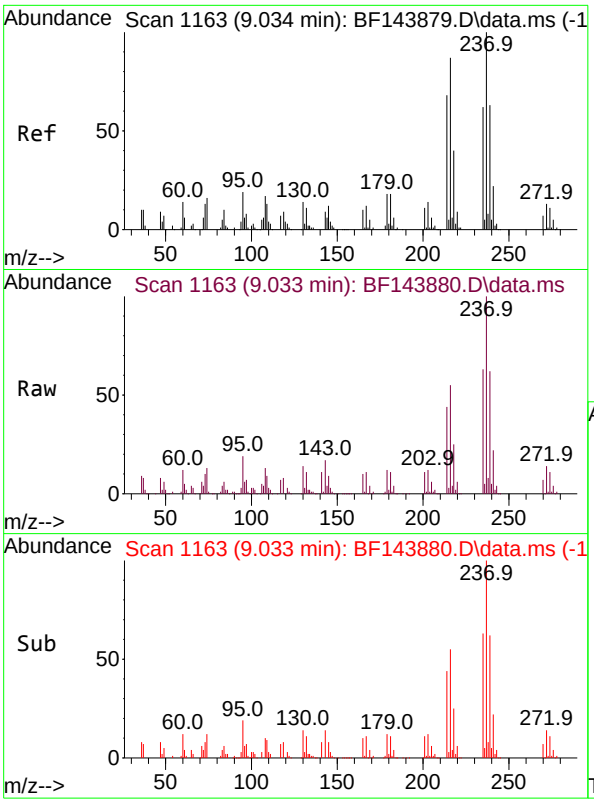


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.187 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:216 Resp: 491771

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.6	94.0
179	19.0	15.4	23.0
108	16.1	12.0	18.0



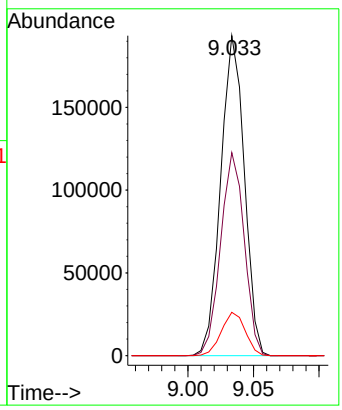


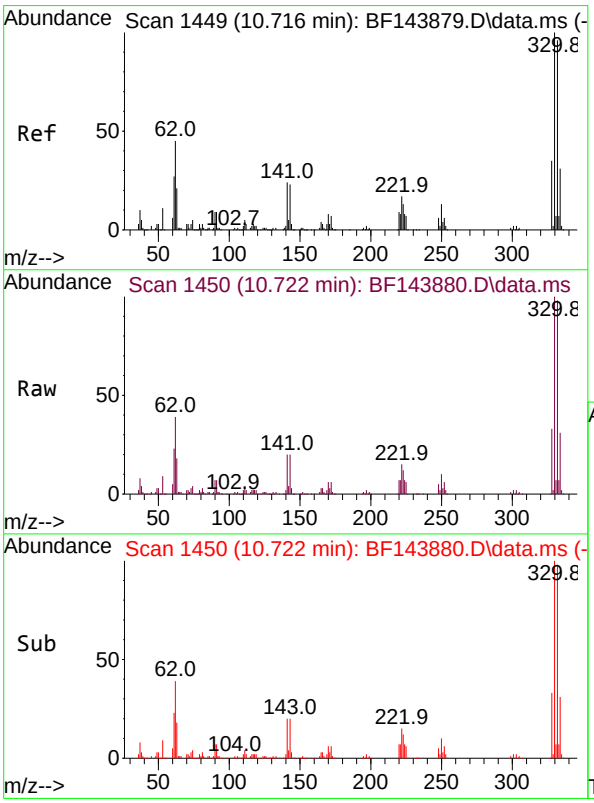
#41
Hexachlorocyclopentadiene
Concen: 53.686 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 242390

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.3	82.3
272	13.5	0.0	33.1

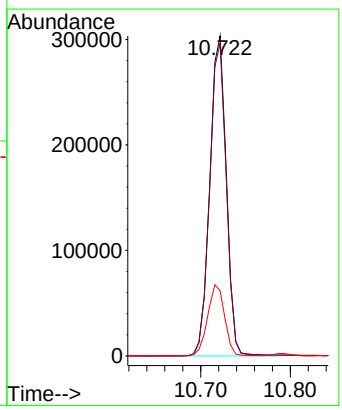


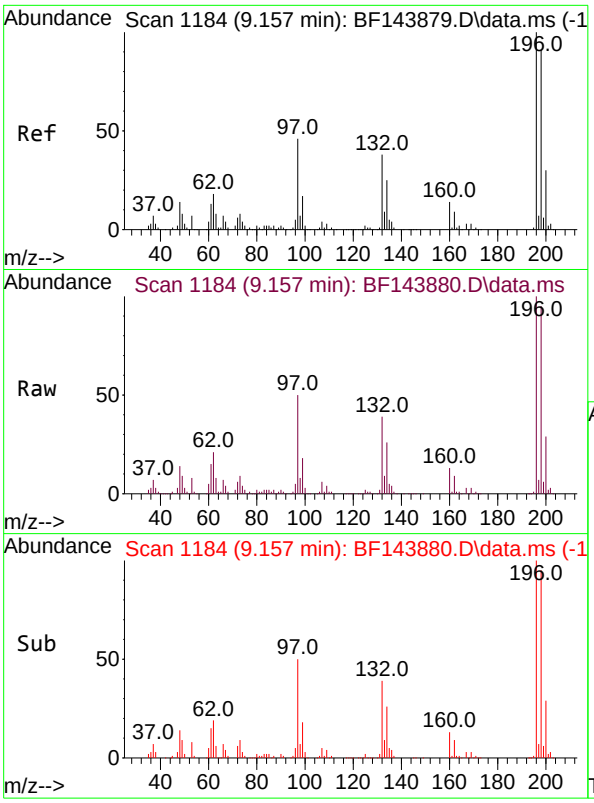


#42
2,4,6-Tribromophenol
Concen: 99.608 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:330 Resp: 390657

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.9	115.3
141	22.6	20.2	30.4



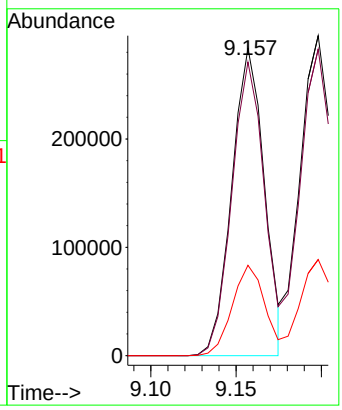


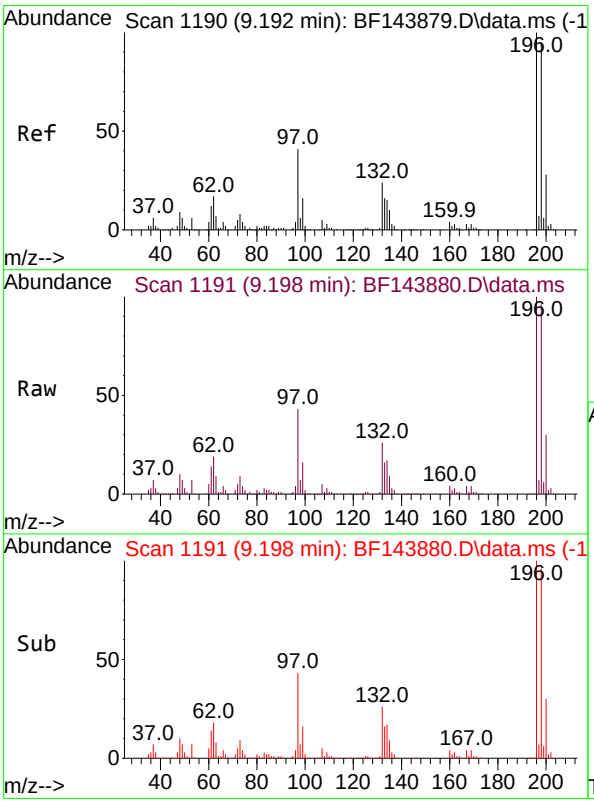
#43
2,4,6-Trichlorophenol
Concen: 47.410 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 376991

Ion	Ratio	Lower	Upper
196	100		
198	95.4	72.8	109.2
200	29.4	24.0	36.0

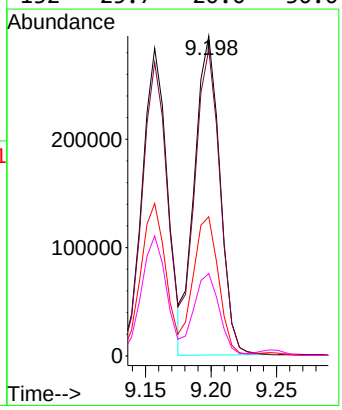


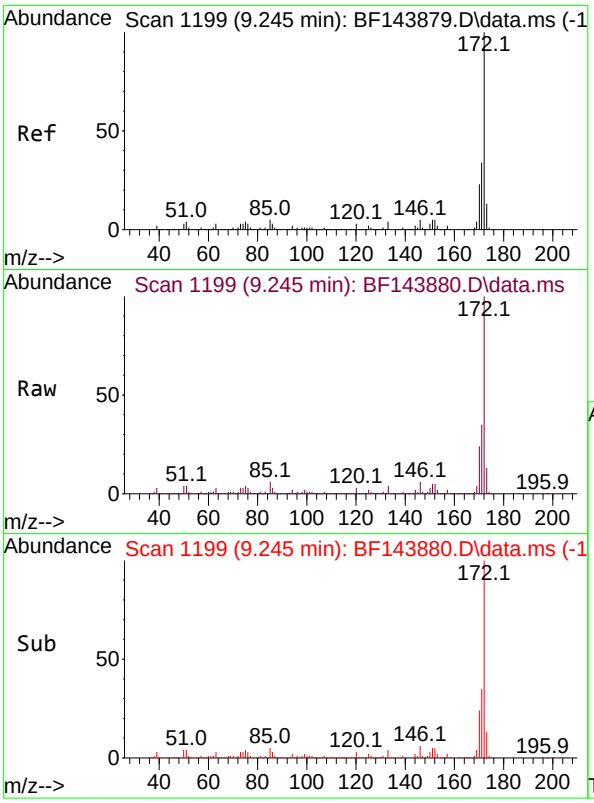


#44
2,4,5-Trichlorophenol
Concen: 47.031 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:196 Resp: 395213

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.5	113.3
97	43.5	33.9	50.9
132	25.7	20.0	30.0



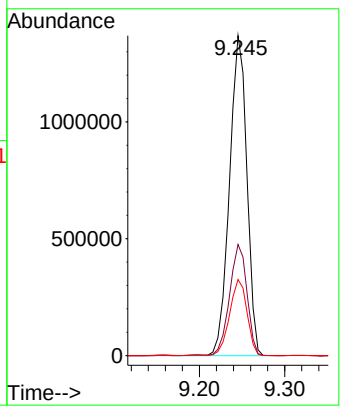


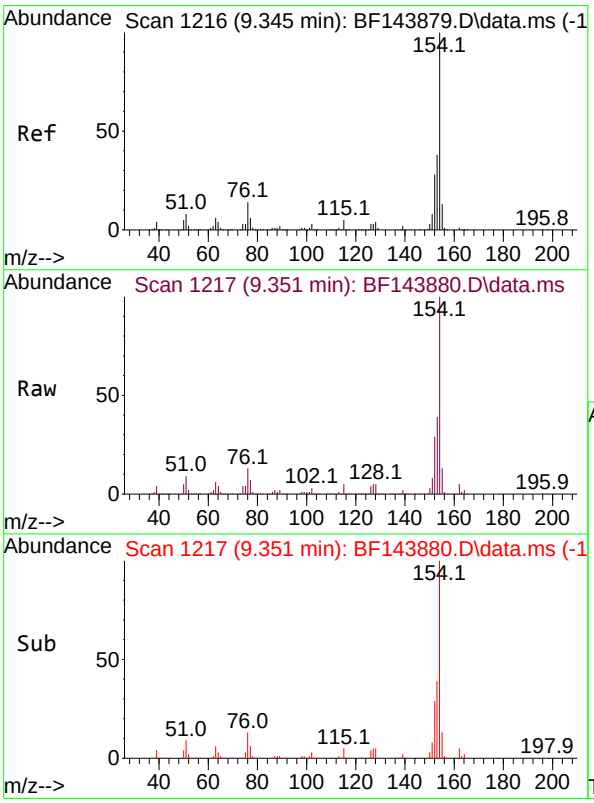
#45
2-Fluorobiphenyl
Concen: 78.050 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1936883

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	23.8	18.6	28.0

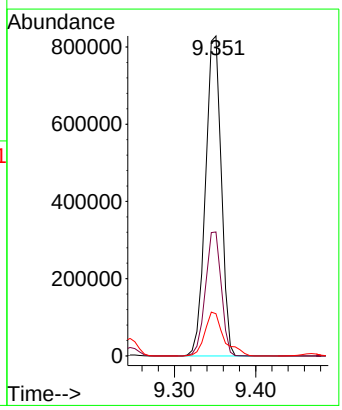


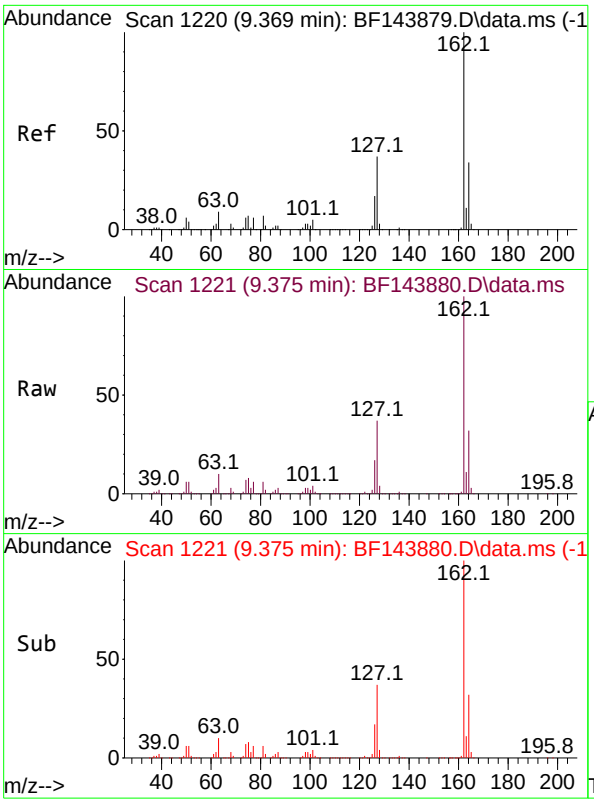


#46
1,1'-Biphenyl
Concen: 42.837 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:154 Resp: 1116775

Ion	Ratio	Lower	Upper
154	100		
153	38.7	18.4	58.4
76	13.2	0.0	34.0



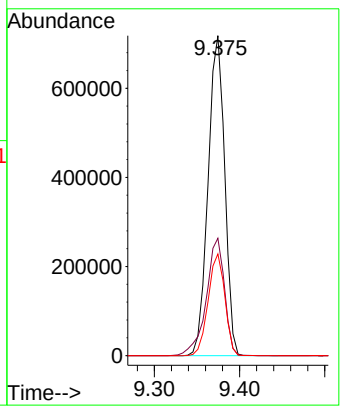


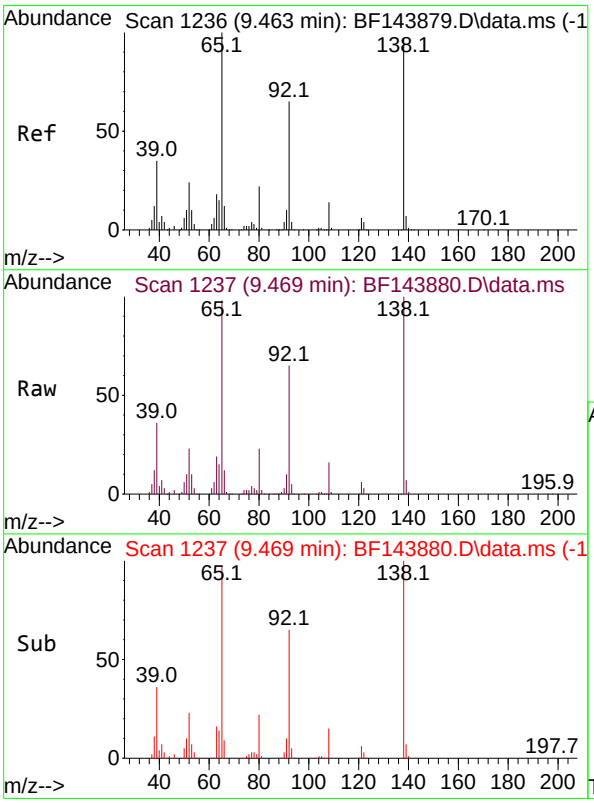
#47
2-Chloronaphthalene
Concen: 44.748 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 972675

Ion	Ratio	Lower	Upper
162	100		
127	36.7	30.2	45.2
164	31.8	26.9	40.3

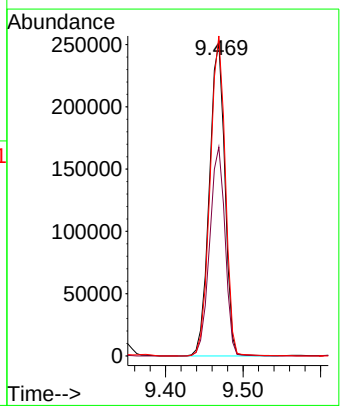


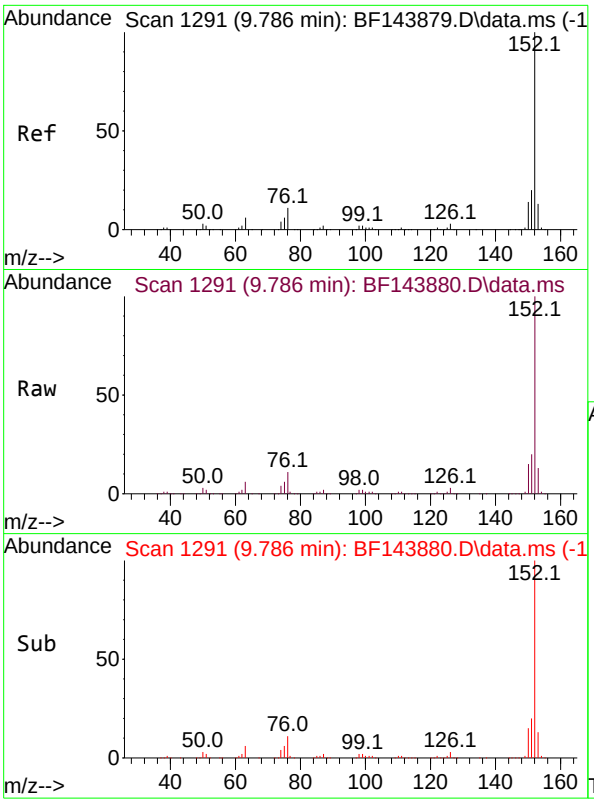


#48
2-Nitroaniline
Concen: 50.665 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion: 65 Resp: 348179

Ion	Ratio	Lower	Upper
65	100		
92	66.8	52.1	78.1
138	102.3	77.4	116.2



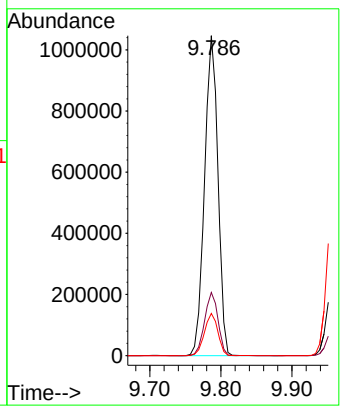


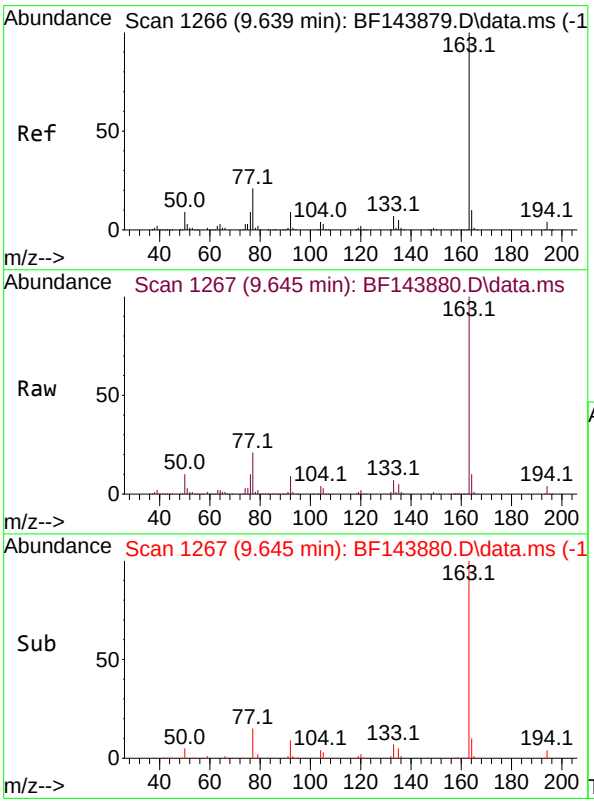
#49
Acenaphthylene
Concen: 44.642 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1364193

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.5	15.7

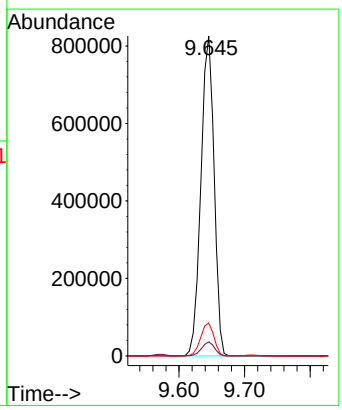


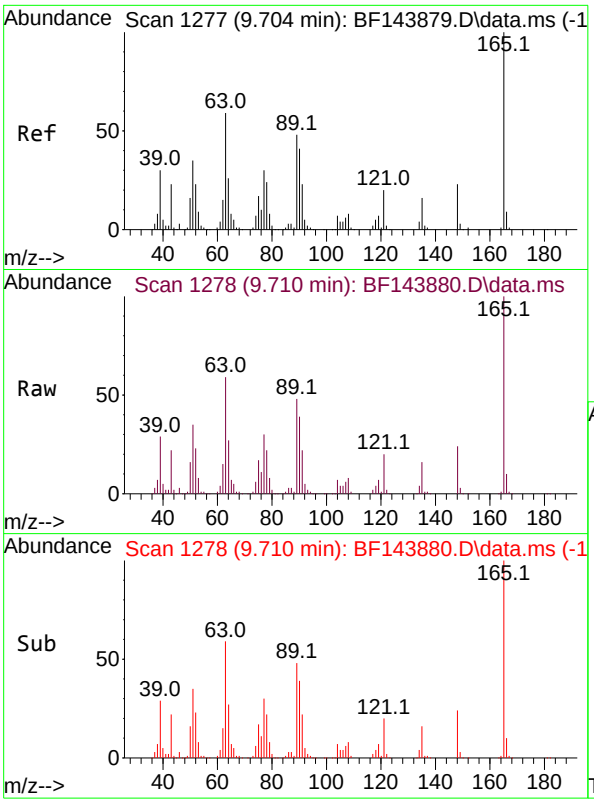


#50
Dimethylphthalate
Concen: 45.888 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:163 Resp: 1147448

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.3	8.1	12.1



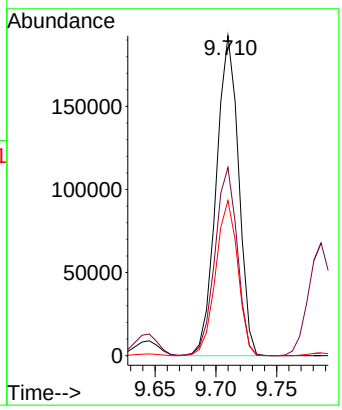


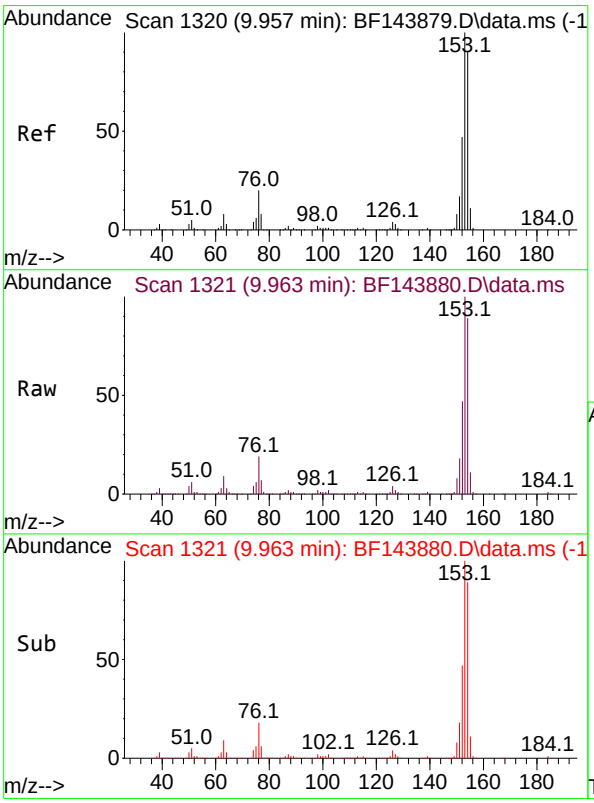
#51
2,6-Dinitrotoluene
Concen: 53.176 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 246567

Ion	Ratio	Lower	Upper
165	100		
63	58.8	47.3	70.9
89	48.5	38.2	57.4

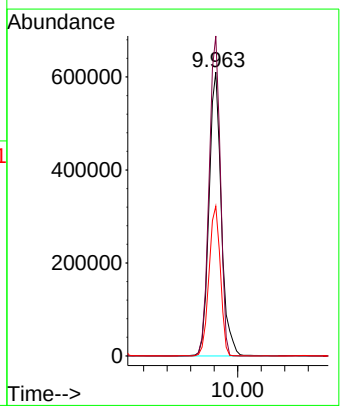


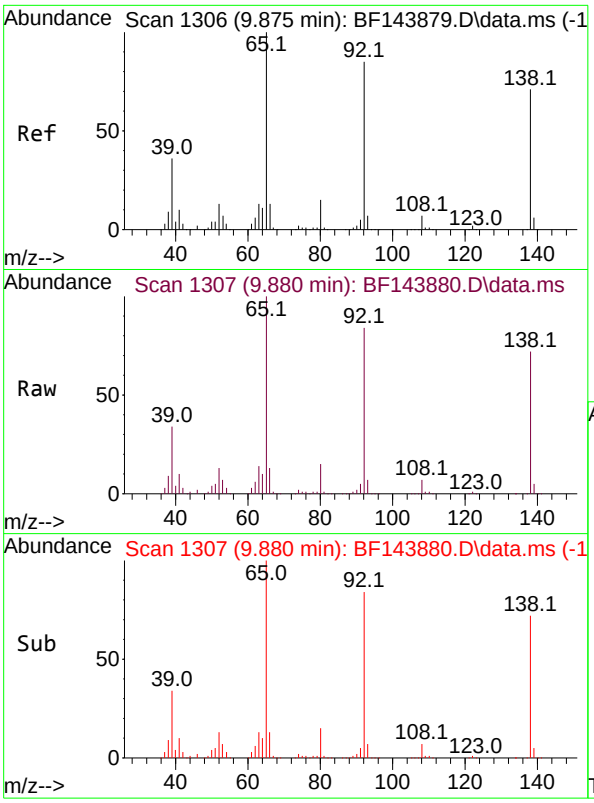


#52
Acenaphthene
Concen: 44.122 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:154 Resp: 883487

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.3	133.9
152	52.7	42.2	63.2



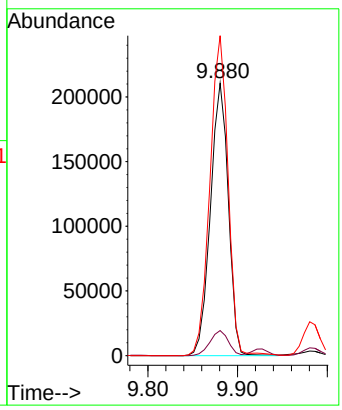


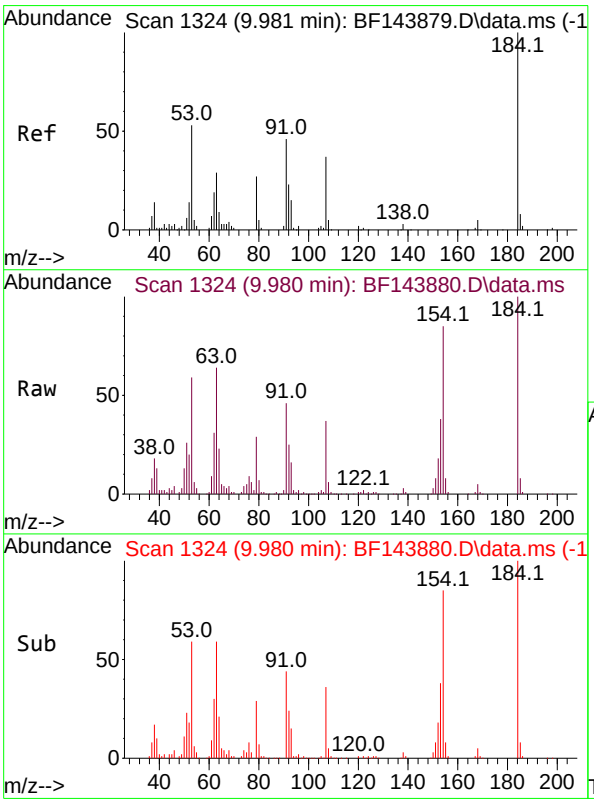
#53
3-Nitroaniline
Concen: 51.366 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 291630

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.3	12.5
92	117.5	96.2	144.2

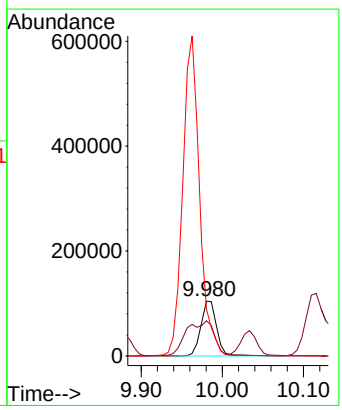


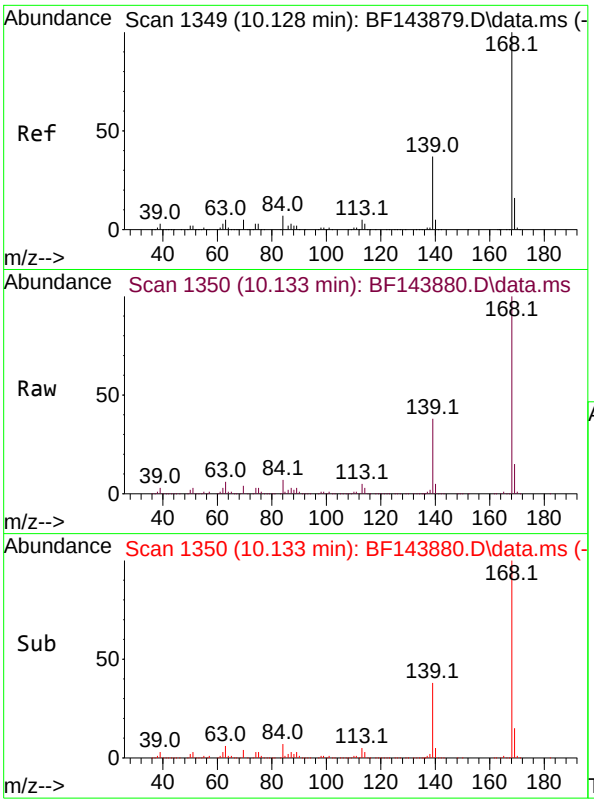


#54
2,4-Dinitrophenol
Concen: 51.801 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:184 Resp: 140496

Ion	Ratio	Lower	Upper
184	100		
63	64.1	48.2	72.4
154	84.8	49.2	73.8#



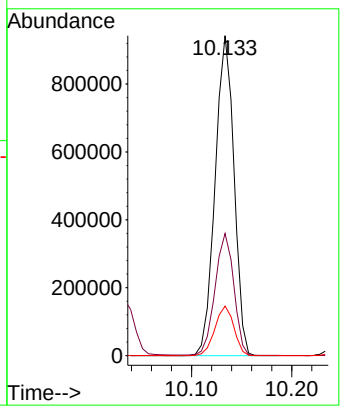


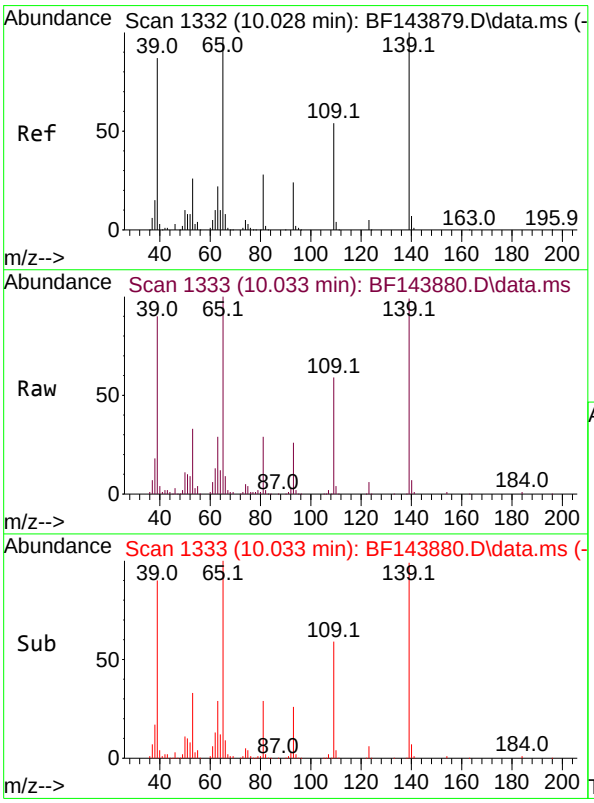
#55
Dibenzofuran
Concen: 43.625 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1233091

Ion	Ratio	Lower	Upper
168	100		
139	38.2	29.8	44.8
169	15.5	12.8	19.2

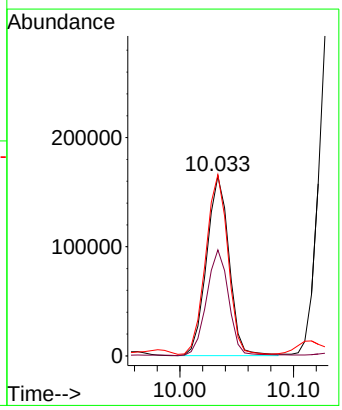


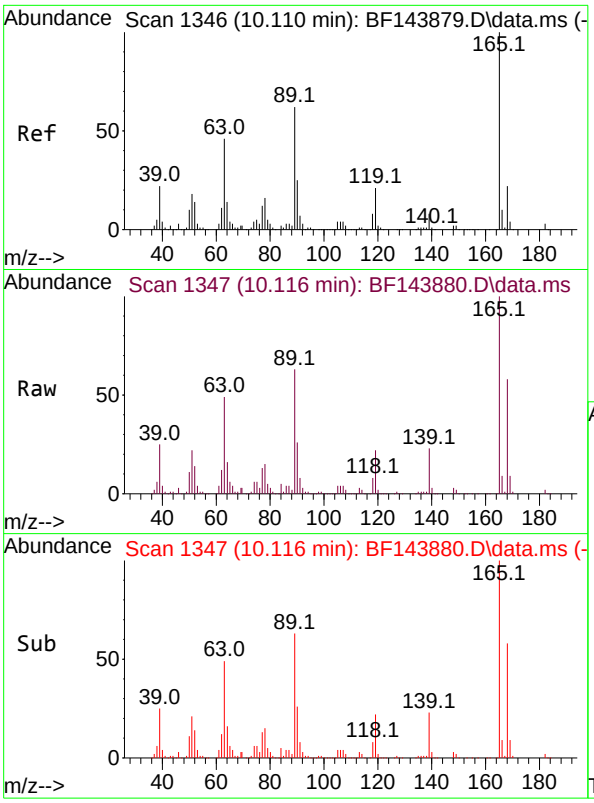


#56
4-Nitrophenol
Concen: 52.750 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:139 Resp: 226765

Ion	Ratio	Lower	Upper
139	100		
109	59.0	34.5	74.5
65	100.7	77.6	117.6



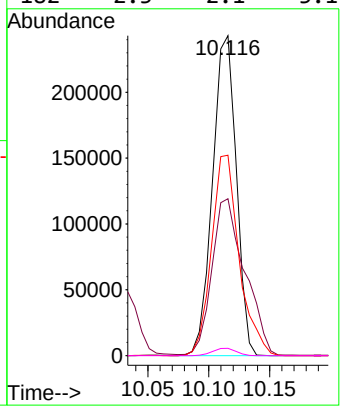


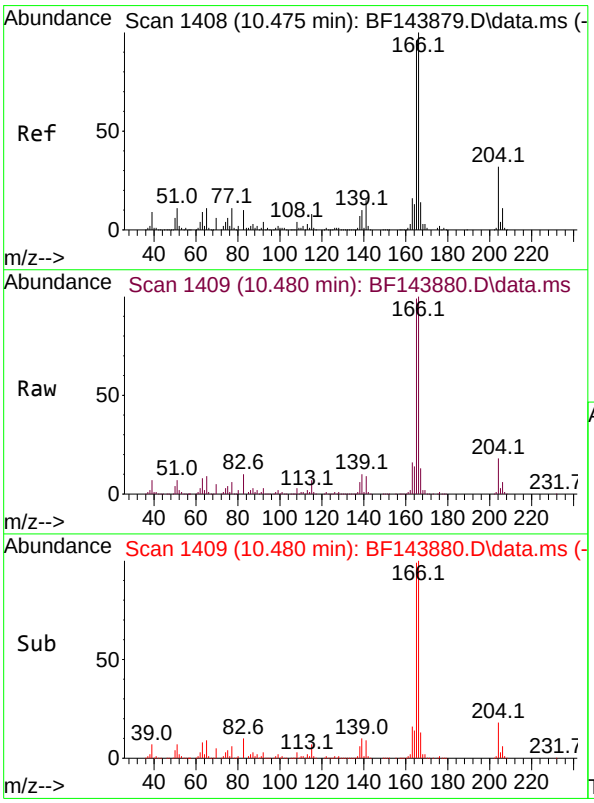
#57
2,4-Dinitrotoluene
Concen: 52.304 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 329984

Ion	Ratio	Lower	Upper
165	100		
63	49.0	37.2	55.8
89	62.6	49.4	74.2
182	2.3	2.1	3.1

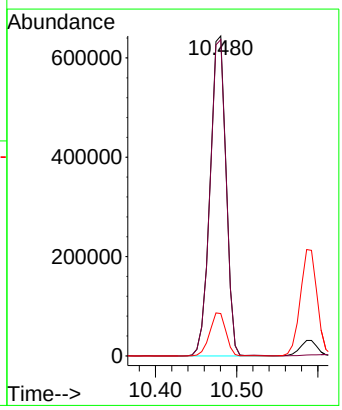


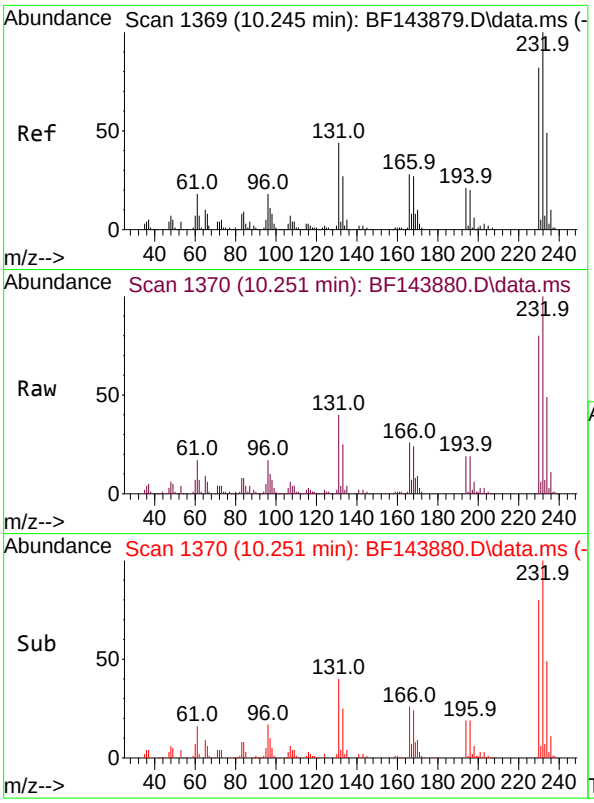


#58
Fluorene
Concen: 41.398 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:166 Resp: 882946

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.0	115.6
167	13.2	11.1	16.7



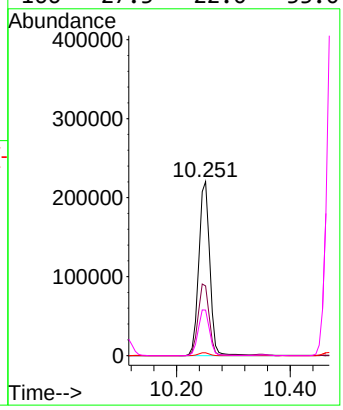


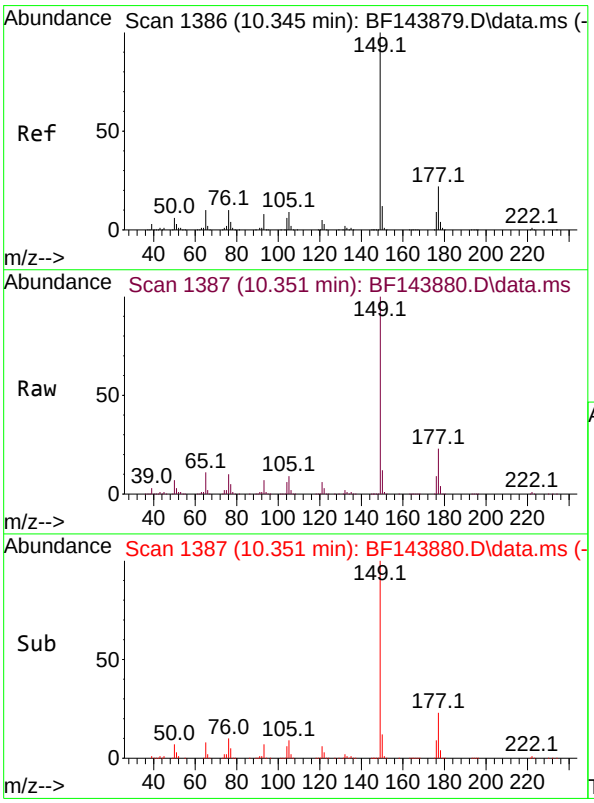
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.591 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 294987

Ion	Ratio	Lower	Upper
232	100		
131	41.7	34.9	52.3
130	1.6	1.6	2.4#
166	27.3	22.0	33.0

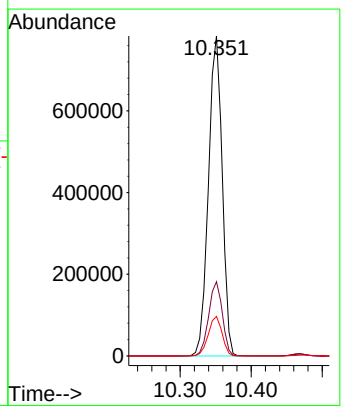


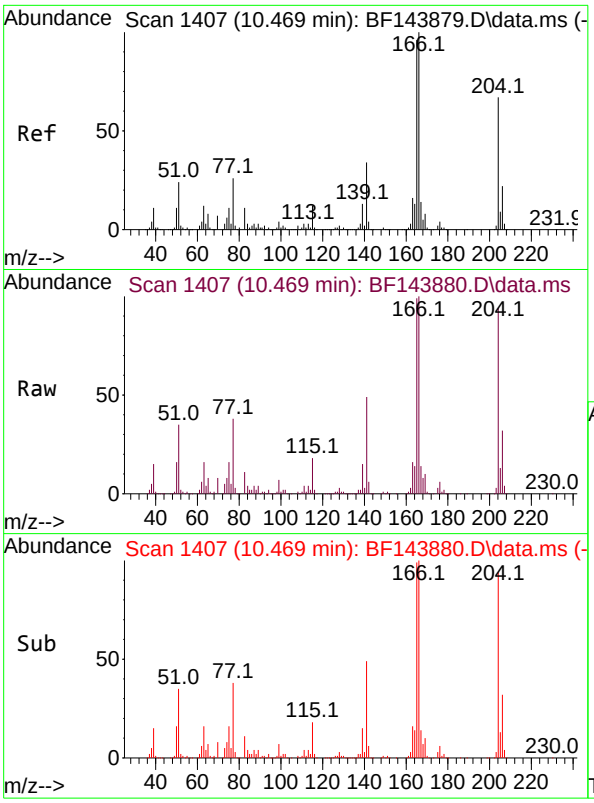


#60
Diethylphthalate
Concen: 45.330 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 1053032

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	12.3	9.8	14.8



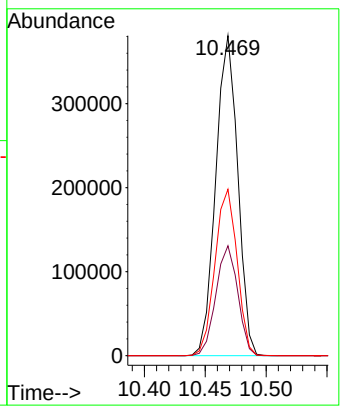


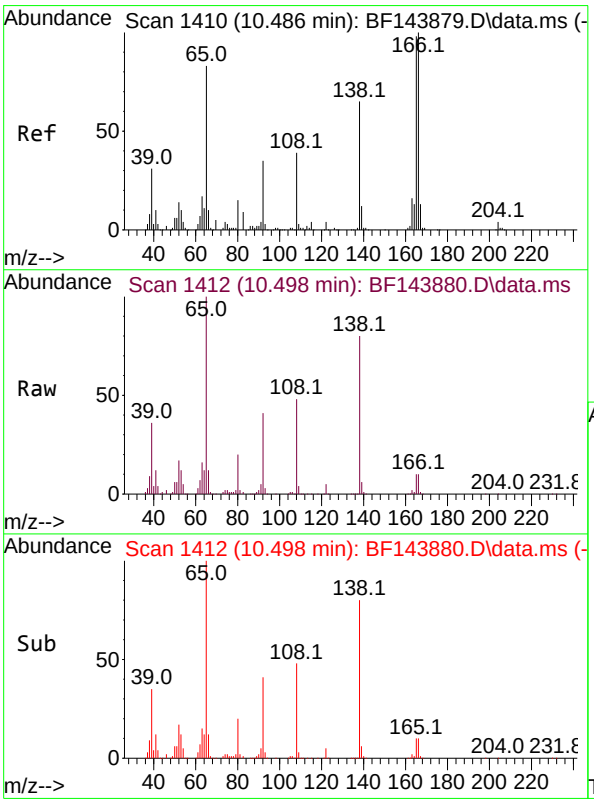
#61
4-Chlorophenyl-phenylether
Concen: 42.311 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 477108

Ion	Ratio	Lower	Upper
204	100		
206	34.3	26.6	40.0
141	52.0	40.4	60.6

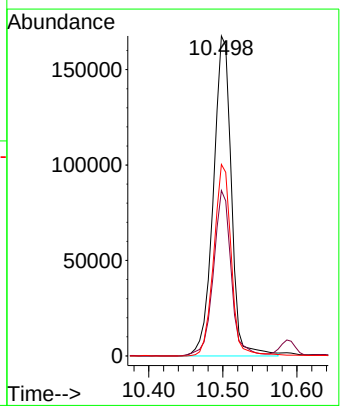


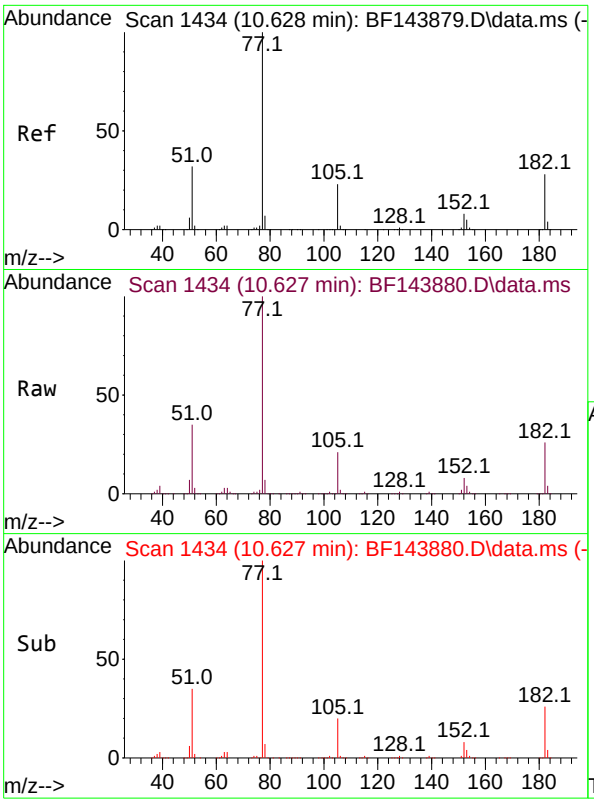


#62
4-Nitroaniline
Concen: 51.782 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:138 Resp: 282713

Ion	Ratio	Lower	Upper
138	100		
92	51.7	33.9	73.9
108	59.8	40.2	80.2



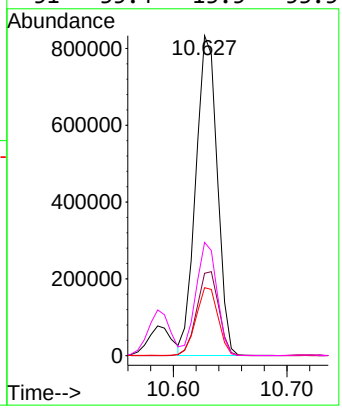


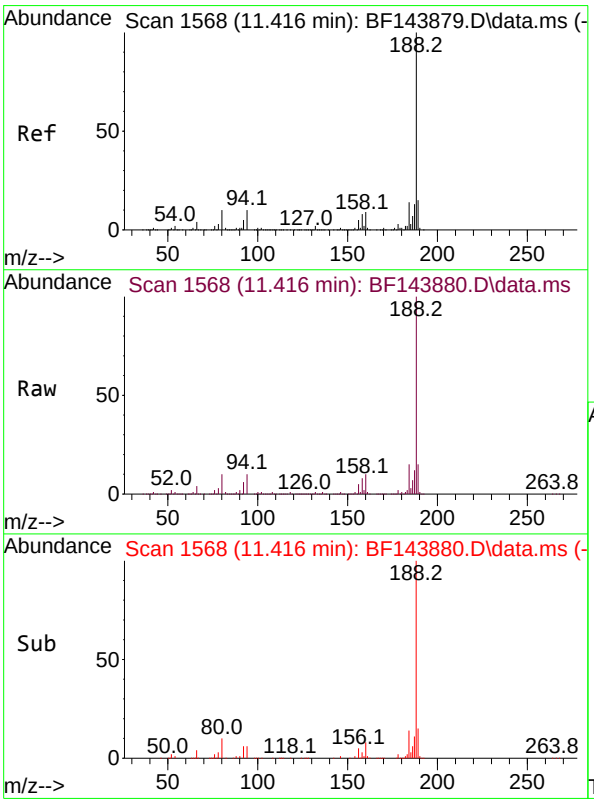
#63
Azobenzene
Concen: 45.178 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1096875

Ion	Ratio	Lower	Upper
77	100		
182	25.7	7.3	47.3
105	21.2	3.0	43.0
51	35.4	13.5	53.5

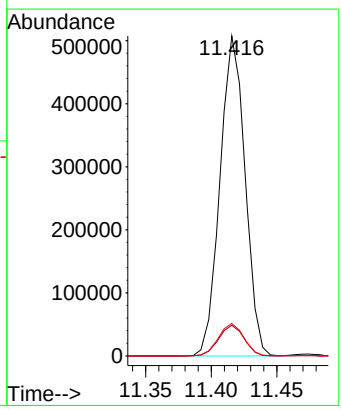


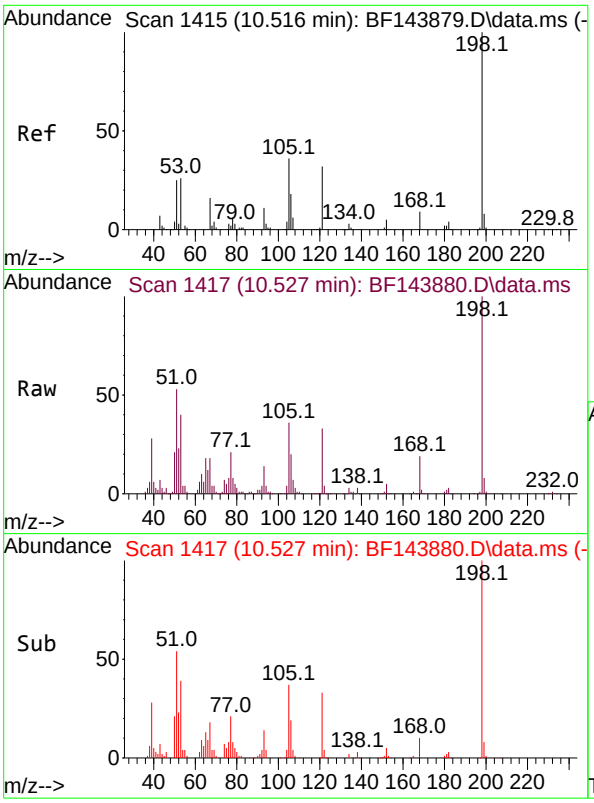


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:188 Resp: 674807

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.1	7.9	11.9



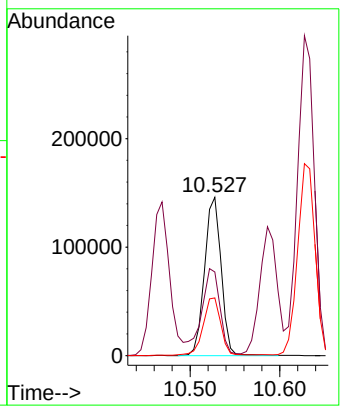


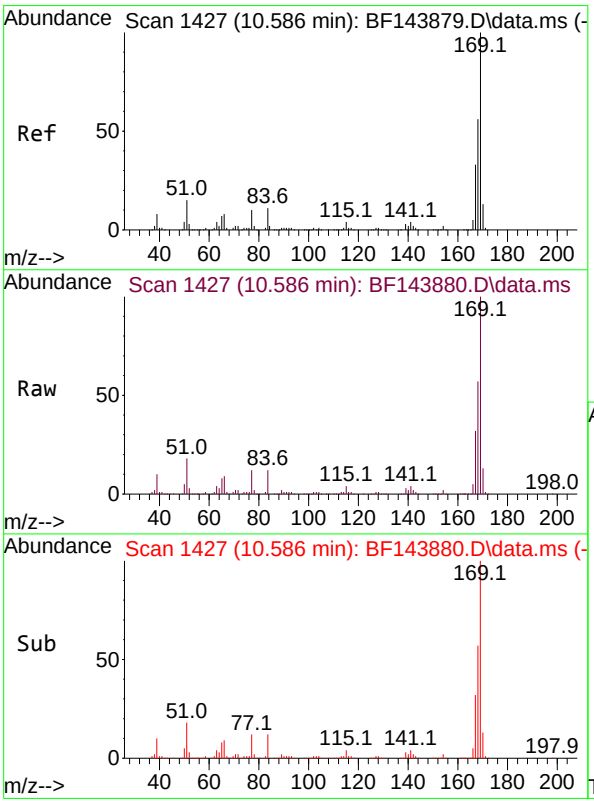
#65
4,6-Dinitro-2-methylphenol
Concen: 55.558 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 188400

Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.8	73.8
105	36.4	17.0	57.0

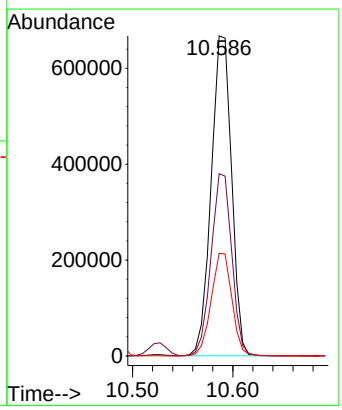


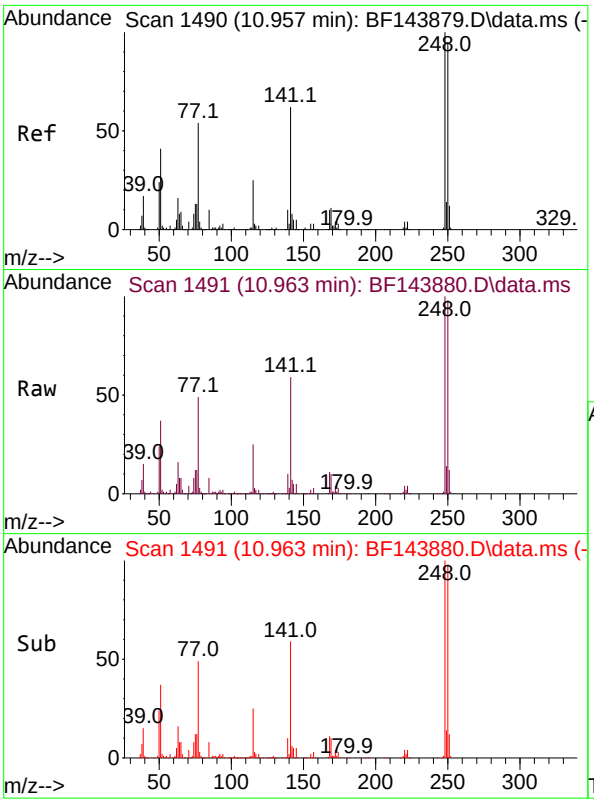


#66
n-Nitrosodiphenylamine
Concen: 44.552 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:169 Resp: 943991

Ion	Ratio	Lower	Upper
169	100		
168	56.9	44.9	67.3
167	32.1	26.3	39.5



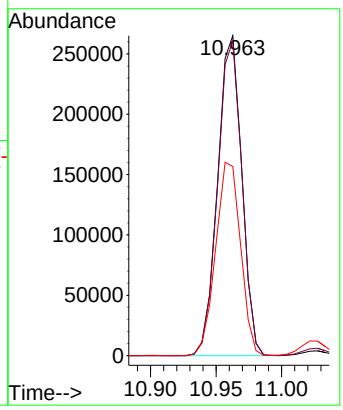


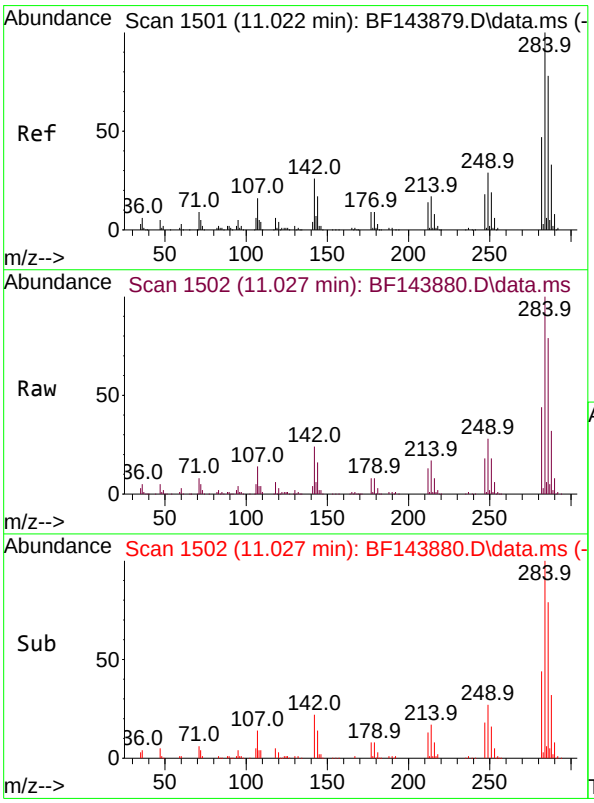
#67
4-Bromophenyl-phenylether
Concen: 45.566 ng
RT: 10.963 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 339818

Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.3	114.5
141	59.1	49.7	74.5

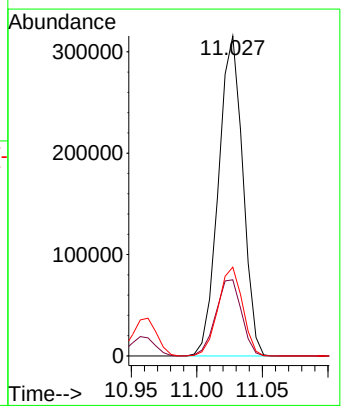


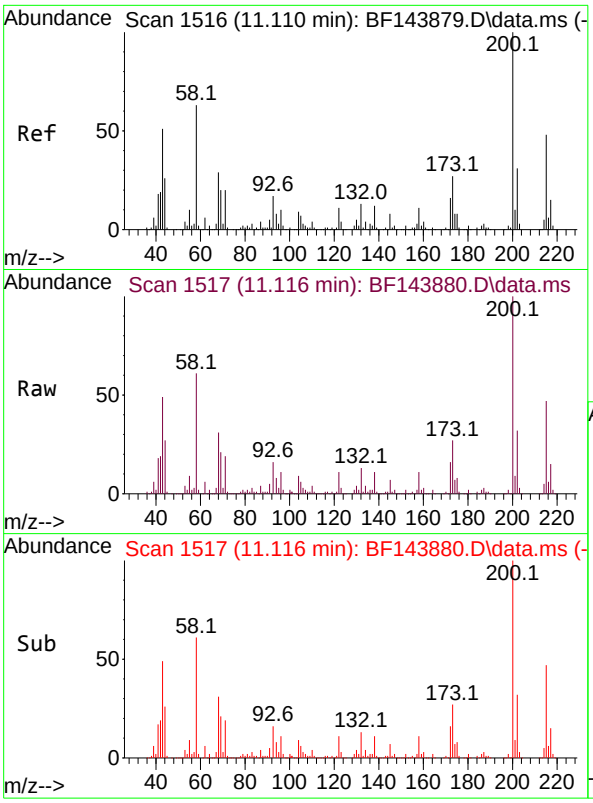


#68
Hexachlorobenzene
Concen: 47.211 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:284 Resp: 407614

Ion	Ratio	Lower	Upper
284	100		
142	23.8	20.6	30.8
249	27.7	23.2	34.8



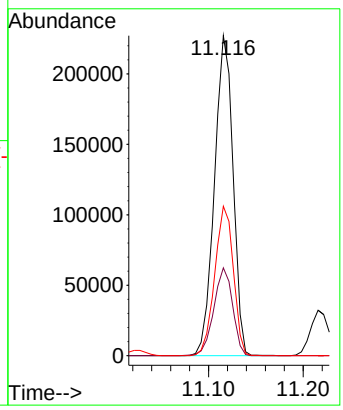


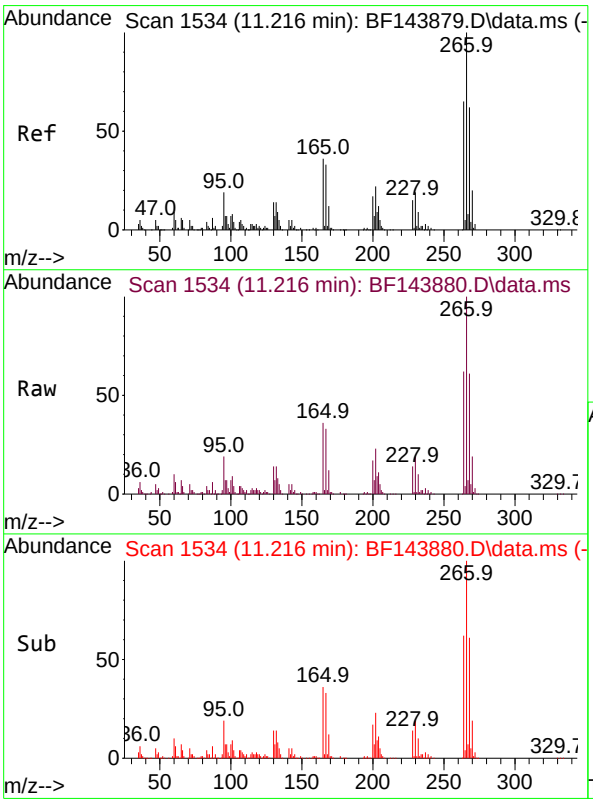
#69
Atrazine
Concen: 48.240 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 309799

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	46.7	27.8	67.8

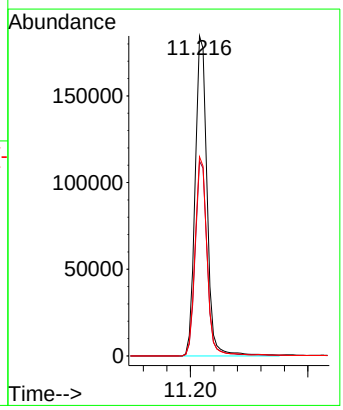


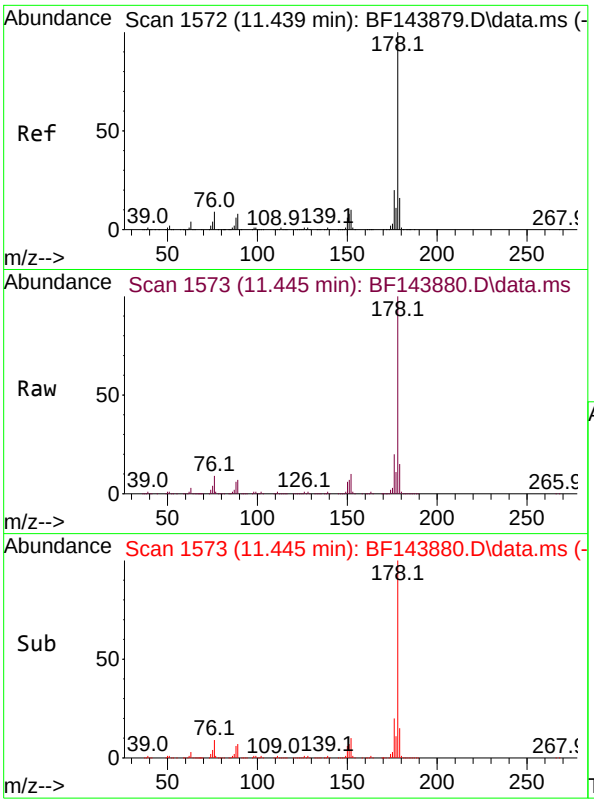


#70
Pentachlorophenol
Concen: 52.304 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:266 Resp: 259359

Ion	Ratio	Lower	Upper
266	100		
268	60.8	49.4	74.0
264	62.2	51.8	77.6



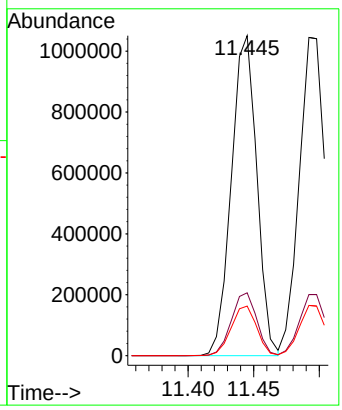


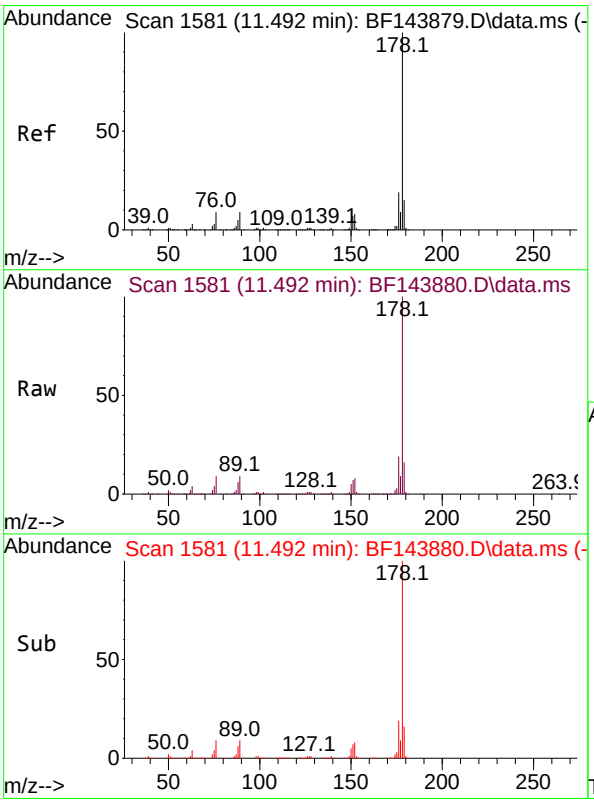
#71
Phenanthrene
Concen: 43.395 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1419666

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.5	12.4	18.6

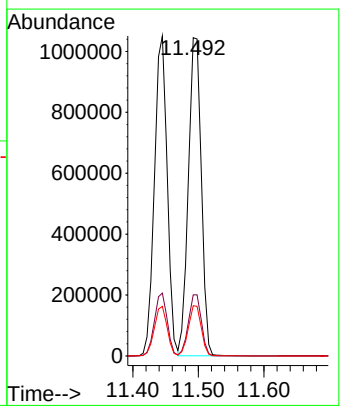


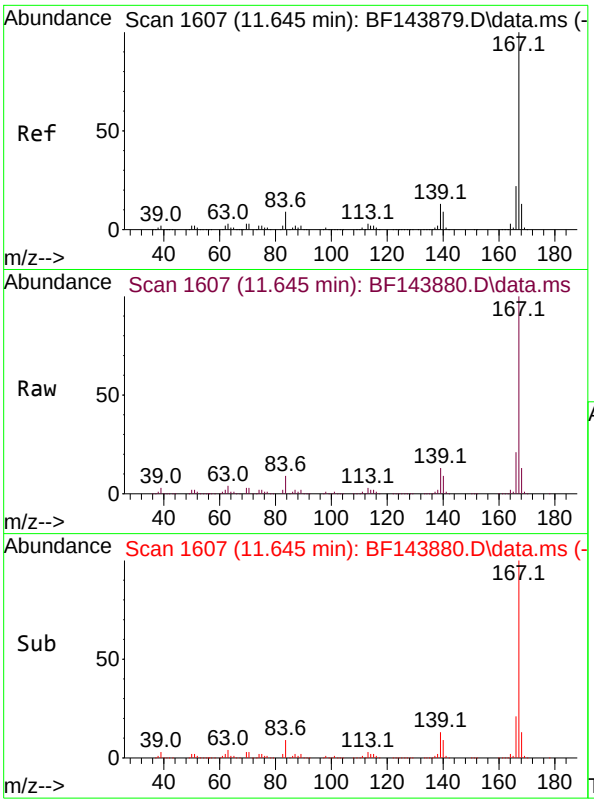


#72
Anthracene
Concen: 43.583 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:178 Resp: 1440404

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.8	12.2	18.2



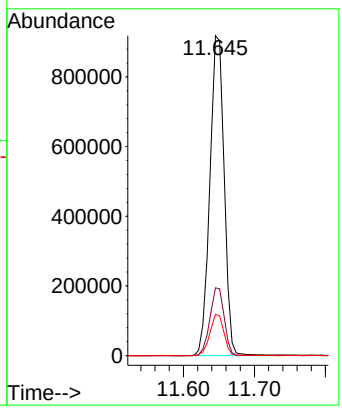


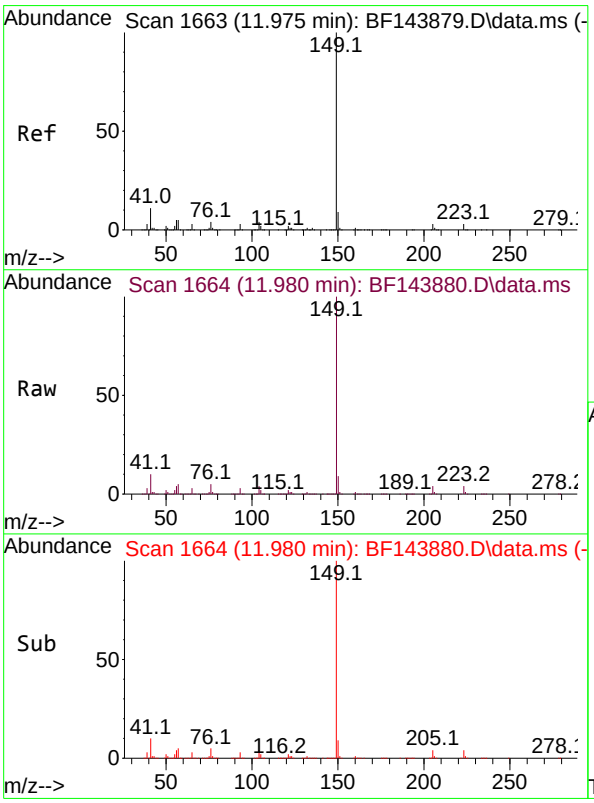
#73
Carbazole
Concen: 44.139 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1291982

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.9	10.1	15.1

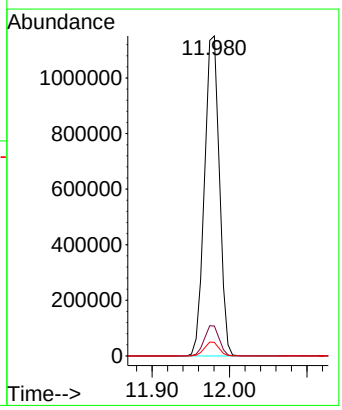


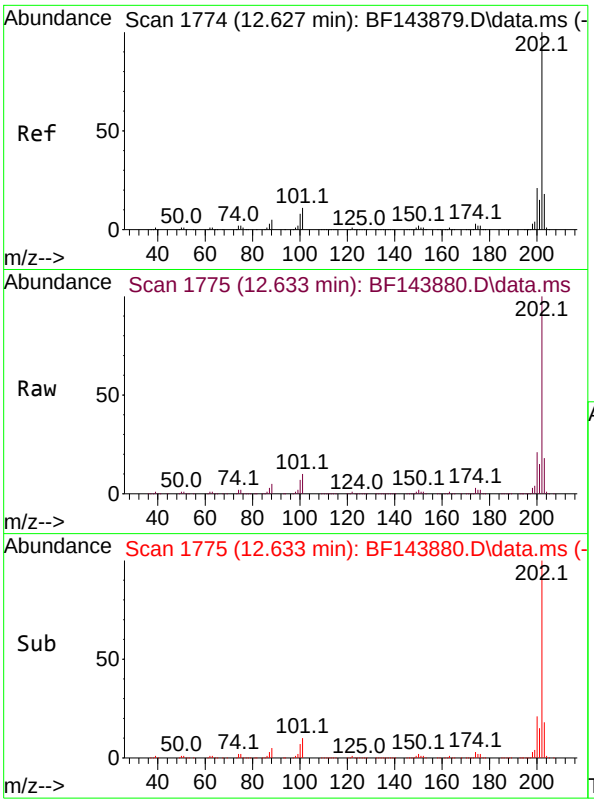


#74
Di-n-butylphthalate
Concen: 45.246 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 1534951

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.2	3.4	5.2



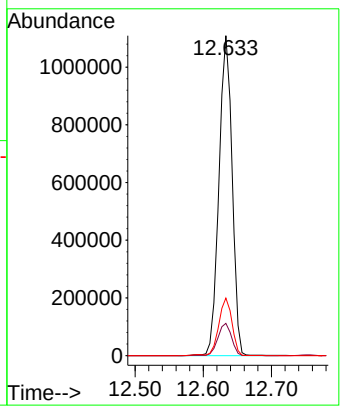


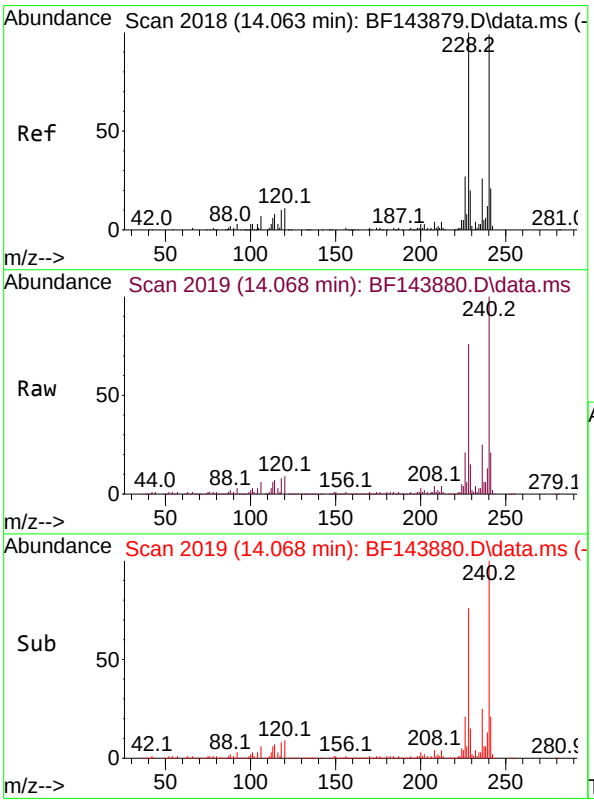
#75
Fluoranthene
Concen: 43.744 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1478181

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.7
203	18.0	0.0	37.8

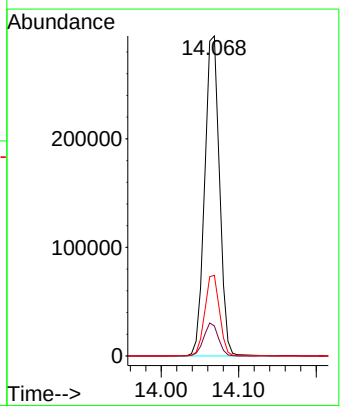


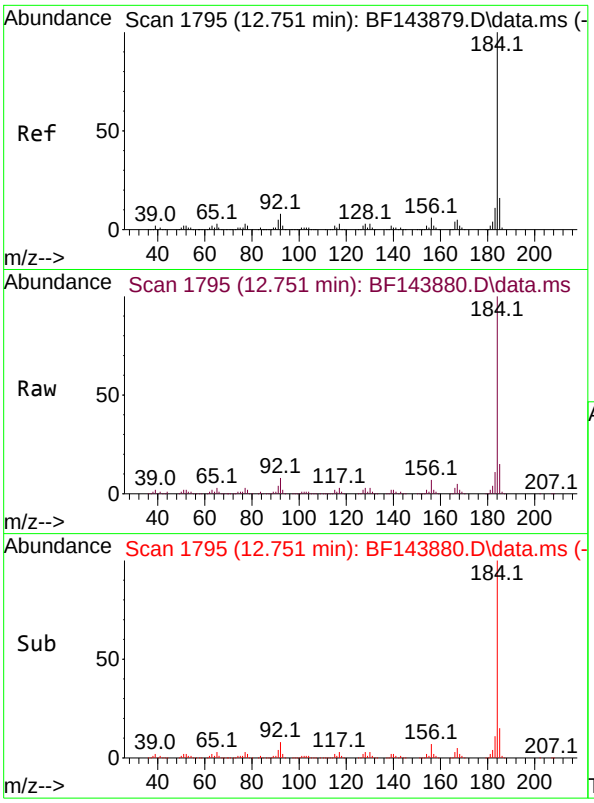


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:240 Resp: 390779

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.6	13.0
236	25.2	21.1	31.7



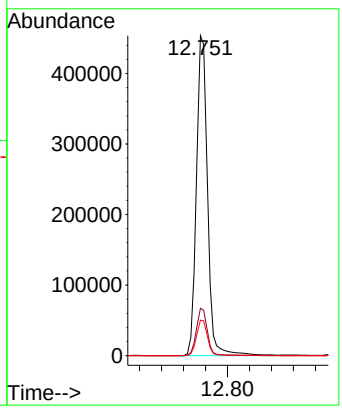


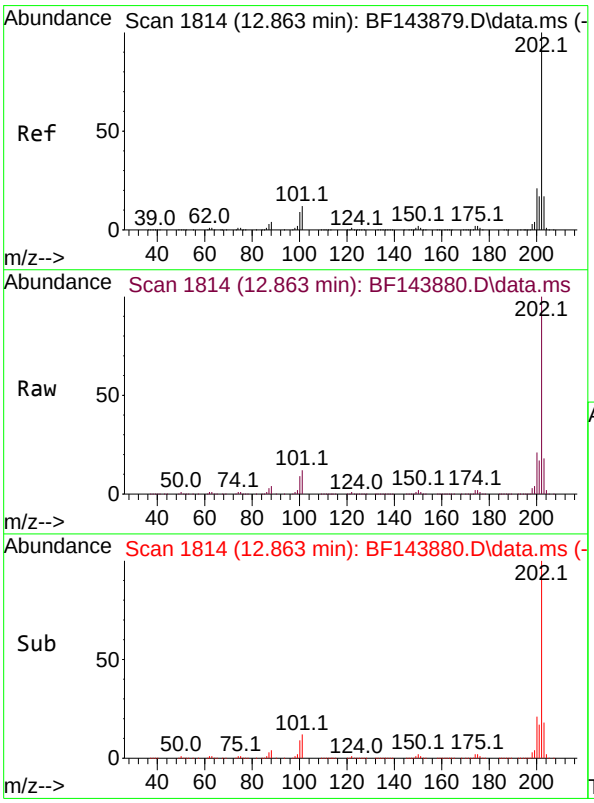
#77
Benzidine
Concen: 46.882 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 636126

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.6	18.8
183	11.1	8.8	13.2

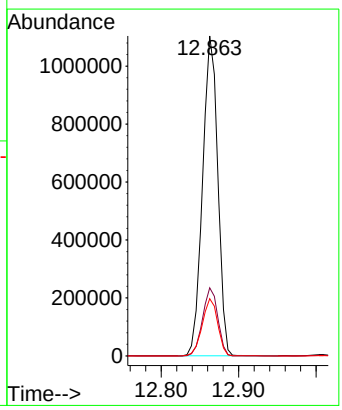


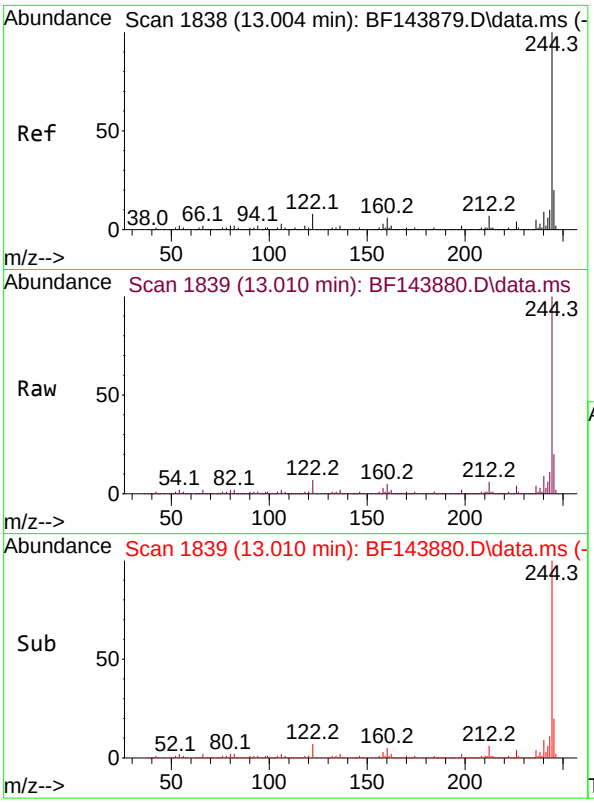


#78
Pyrene
Concen: 46.206 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:202 Resp: 1505326

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.9	13.8	20.6



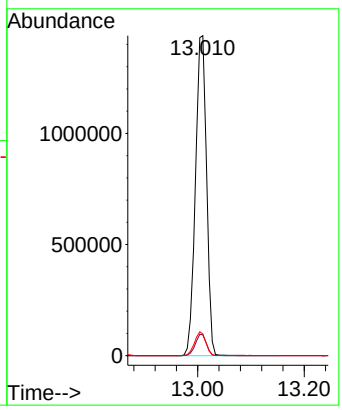


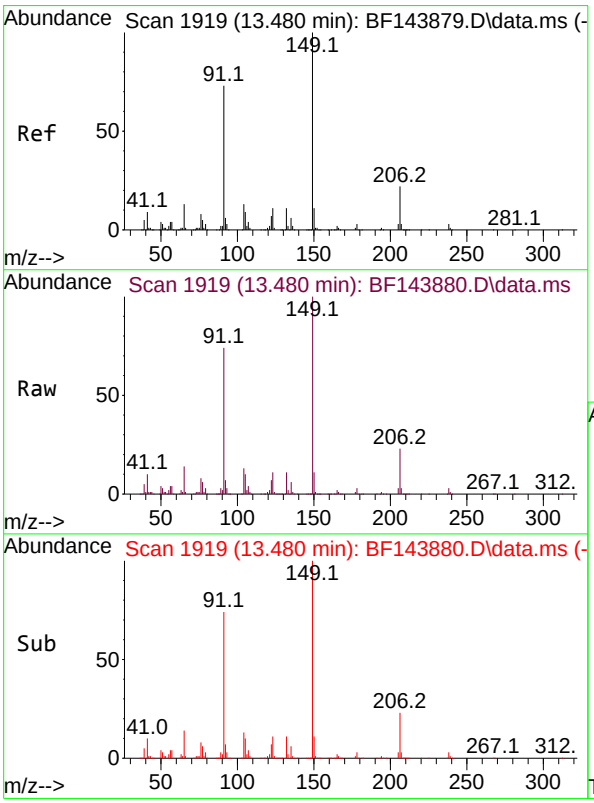
#79
Terphenyl-d14
Concen: 91.121 ng
RT: 13.010 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 2083463

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	6.8	6.4	9.6

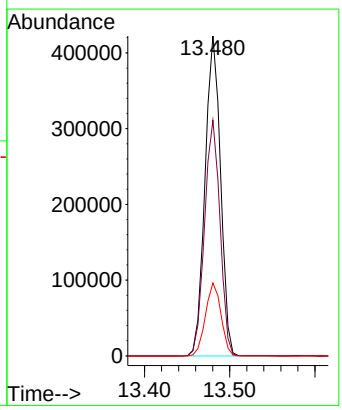


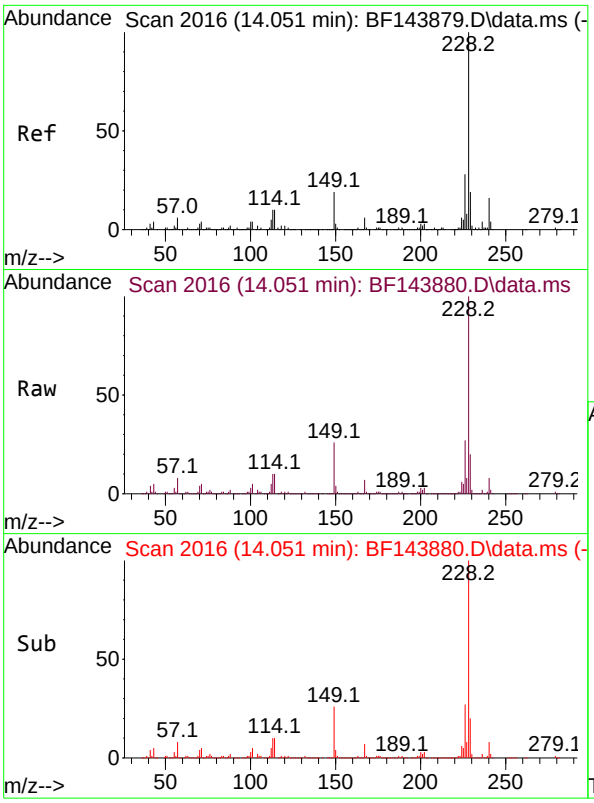


#80
Butylbenzylphthalate
Concen: 50.352 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 532754

Ion	Ratio	Lower	Upper
149	100		
91	73.6	58.2	87.2
206	22.8	17.9	26.9



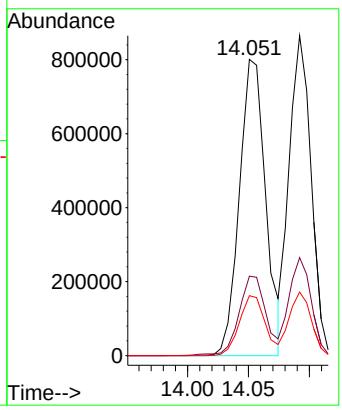


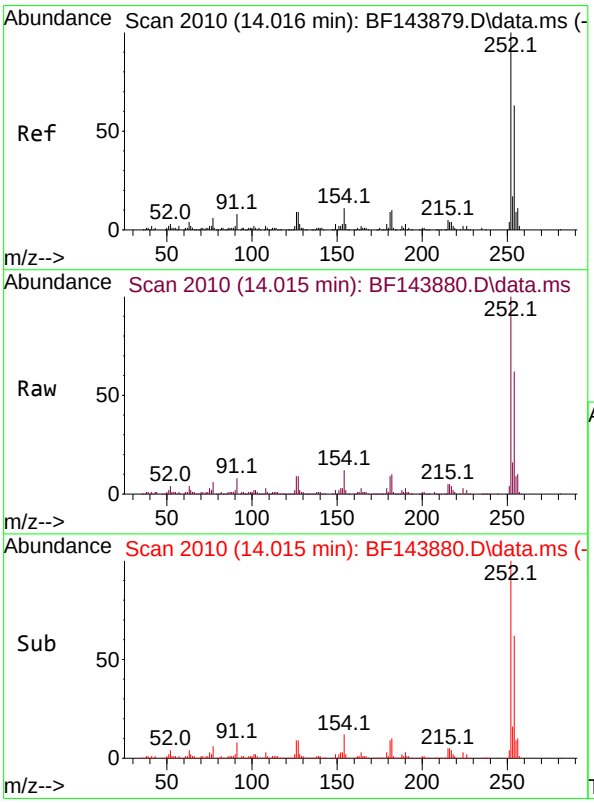
#81
Benzo(a)anthracene
Concen: 47.075 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1203843

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	20.2	15.6	23.4

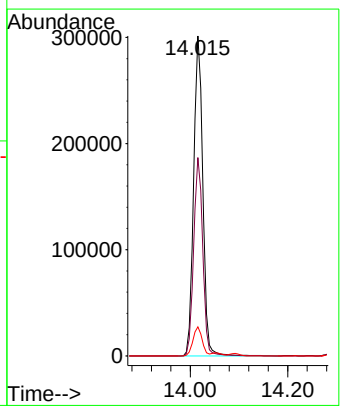


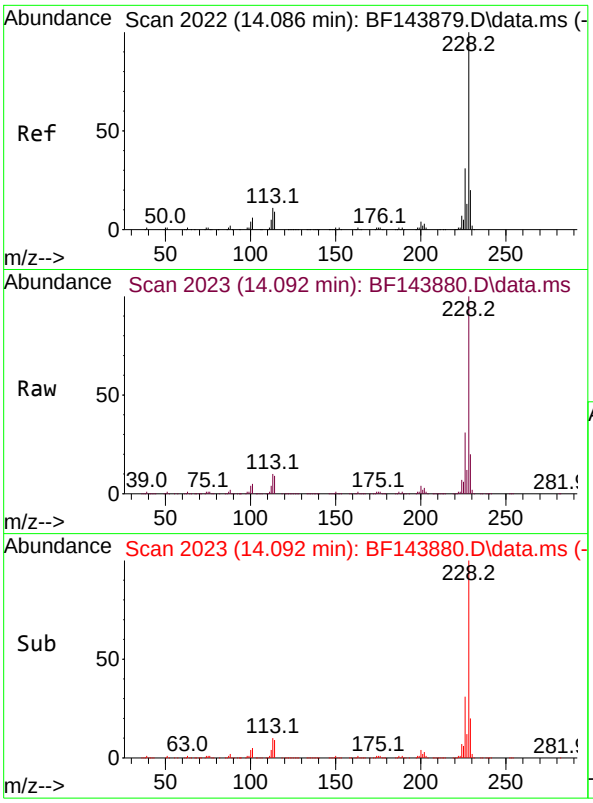


#82
3,3'-Dichlorobenzidine
Concen: 50.214 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 391334

Ion	Ratio	Lower	Upper
252	100		
254	62.0	50.6	76.0
126	9.1	7.0	10.6



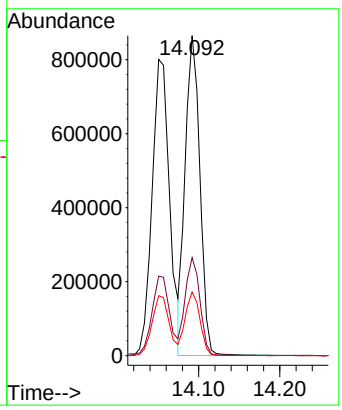


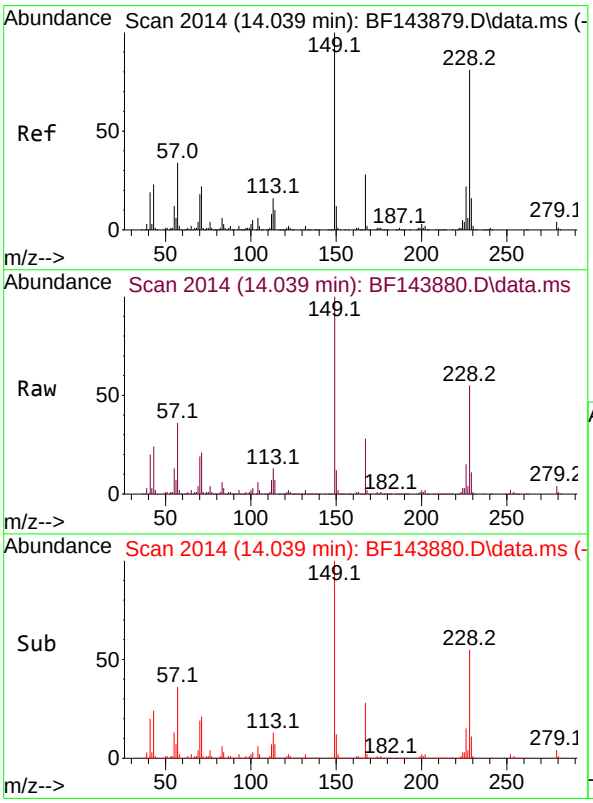
#83
Chrysene
Concen: 46.065 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1090275

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	19.9	15.9	23.9

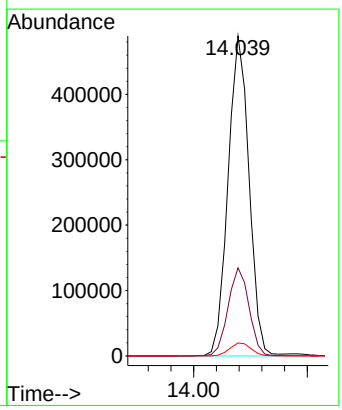


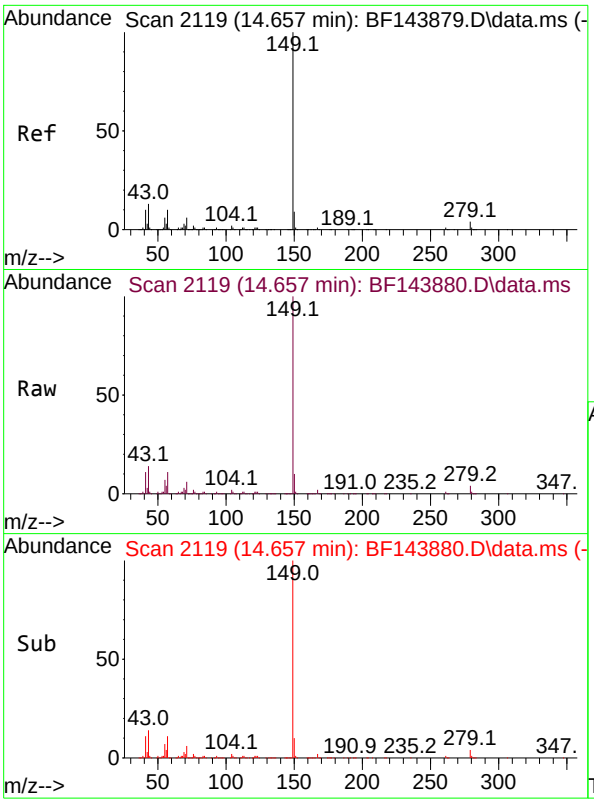


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.146 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:149 Resp: 626818

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.0	3.1	4.7



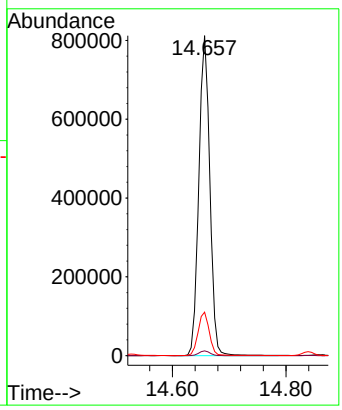


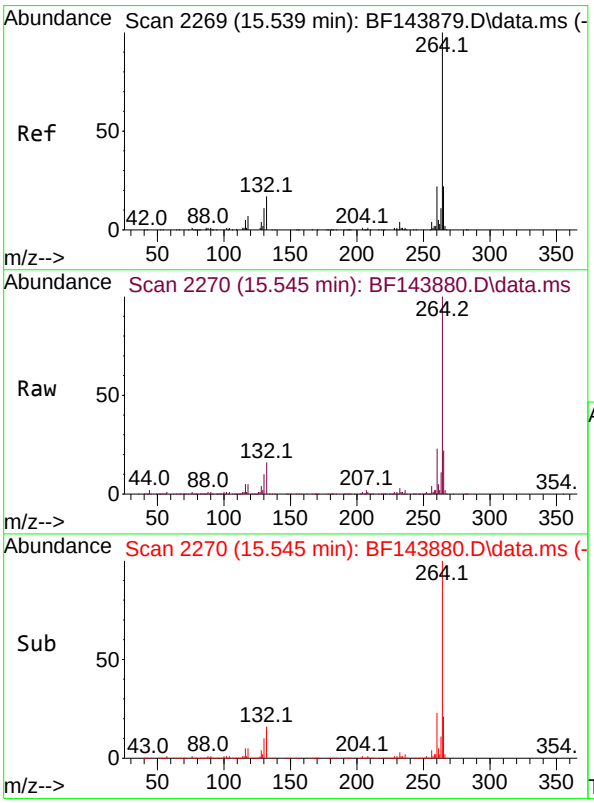
#85
Di-n-octyl phthalate
Concen: 51.691 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1082833

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.9	11.0	16.4

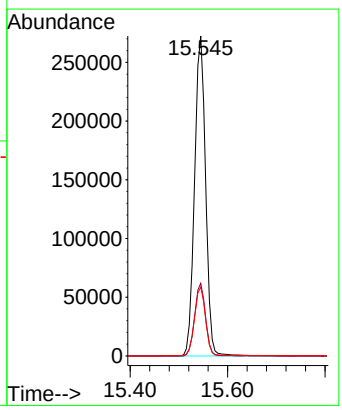


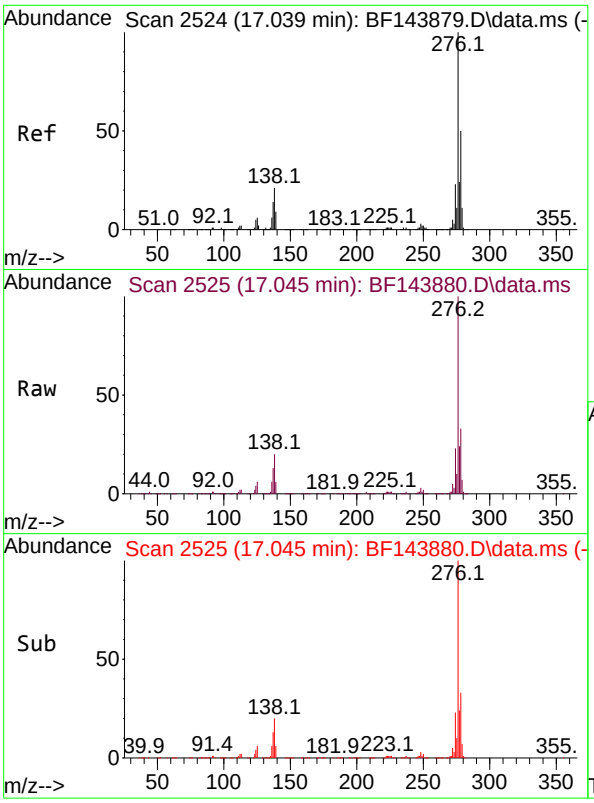


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:264 Resp: 426414

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.8	26.8
265	21.6	17.5	26.3



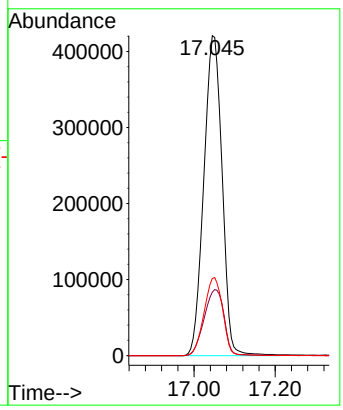


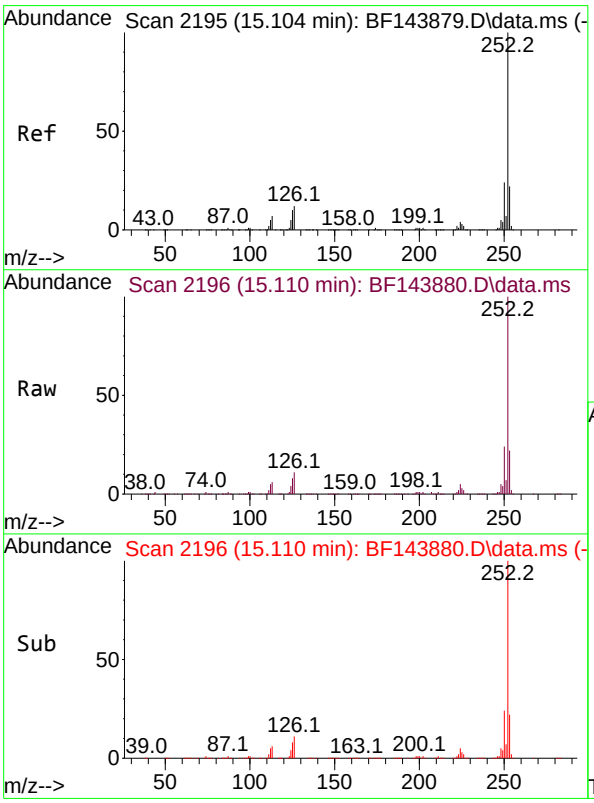
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.373 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1316167

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.2	27.2
277	24.8	19.8	29.6

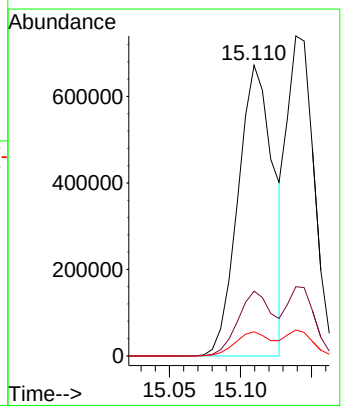


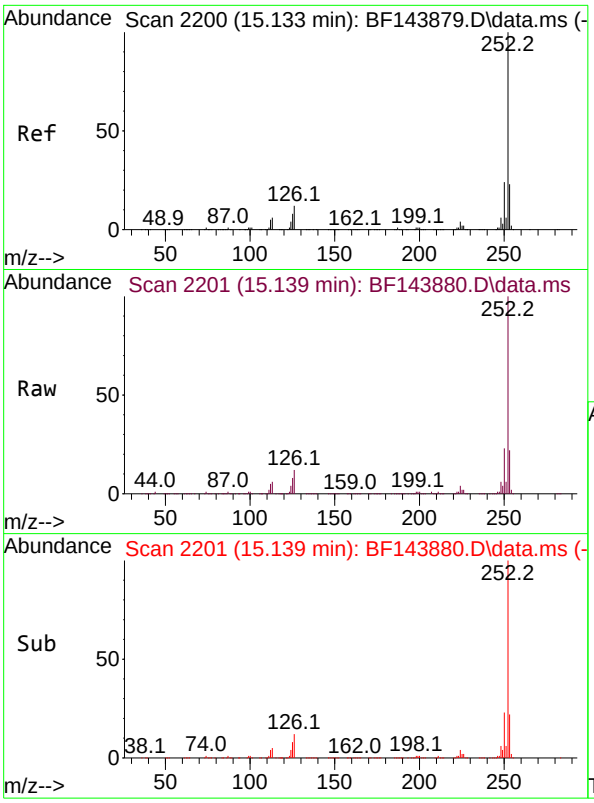


#88
Benzo(b)fluoranthene
Concen: 47.652 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 1167220

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.3	7.8	11.6



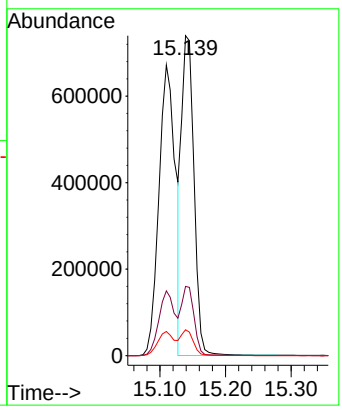


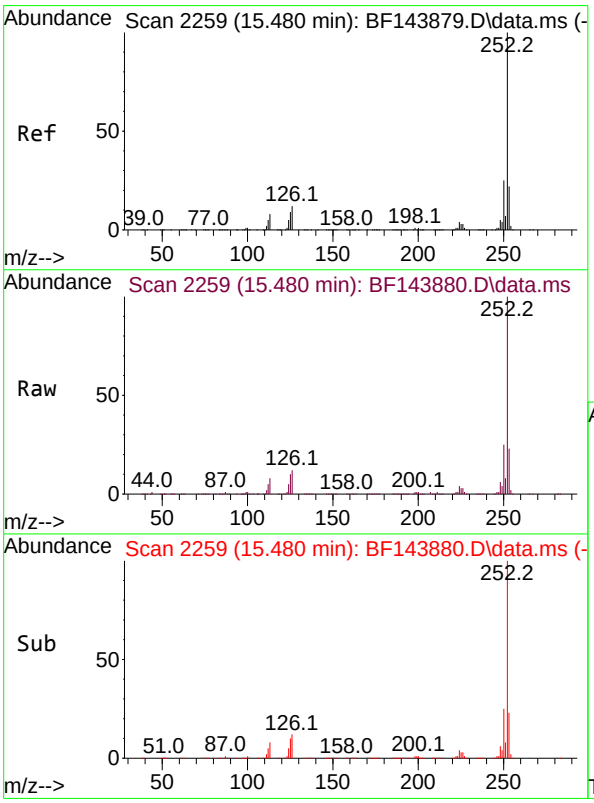
#89
Benzo(k)fluoranthene
Concen: 43.392 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 983488

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	8.1	7.4	11.2

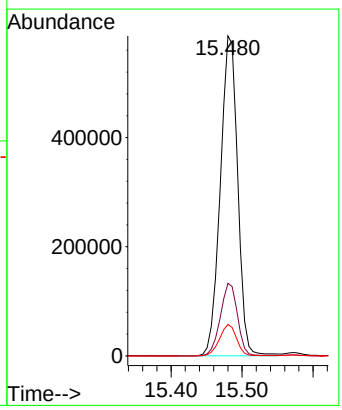


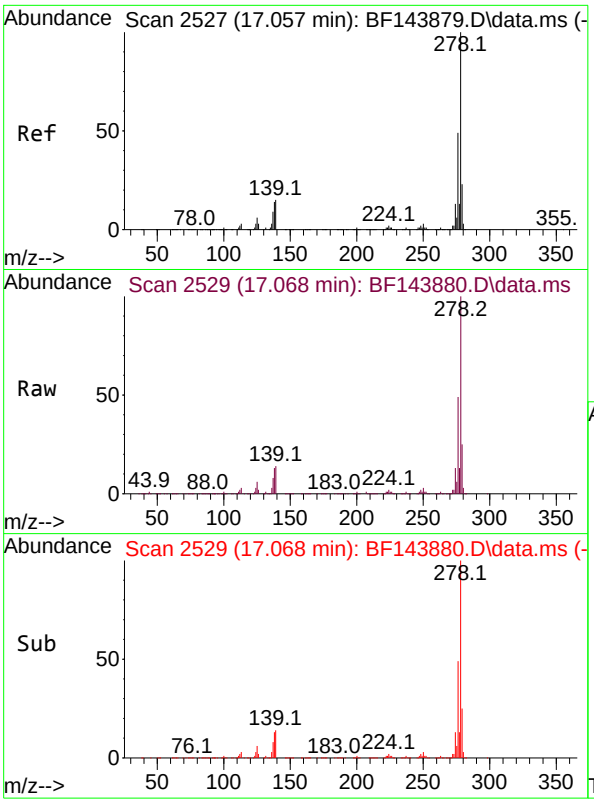


#90
Benzo(a)pyrene
Concen: 46.960 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:252 Resp: 997382

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.8	7.0	10.4



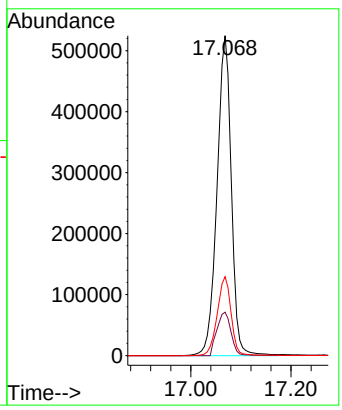


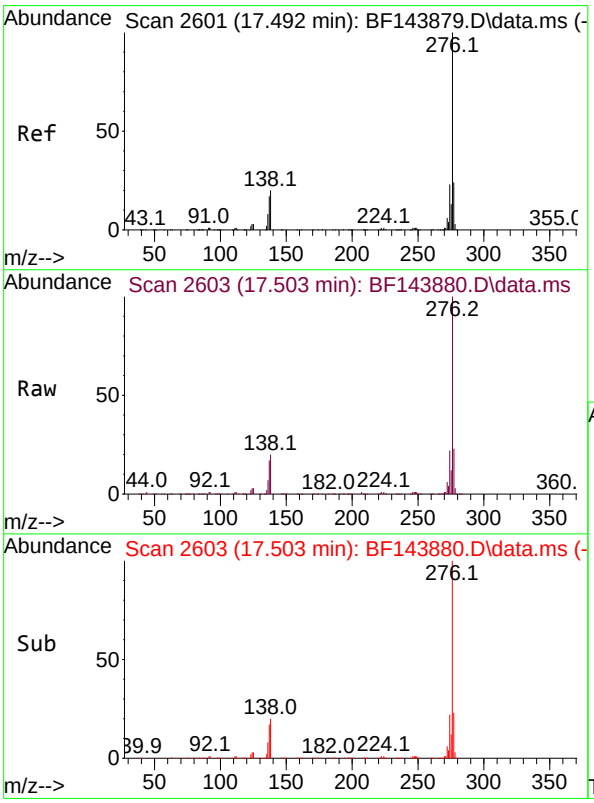
#91
Dibenzo(a,h)anthracene
Concen: 49.457 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1039281

Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.7	17.5
279	24.7	18.4	27.6

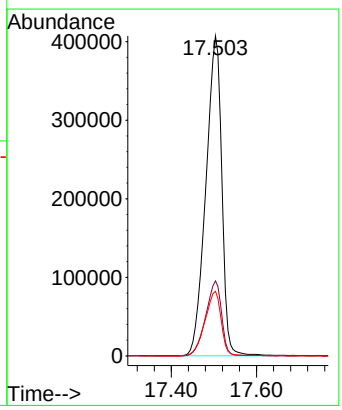




#92
Benzo(g,h,i)perylene
Concen: 50.253 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:276 Resp: 1056021

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.6
138	20.2	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136069	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	524164	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	286024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	485489	20.000	ng	0.00
76) Chrysene-d12	14.063	240	287097	20.000	ng	0.00
86) Perylene-d12	15.539	264	309882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	961239	112.181	ng	0.00
7) Phenol-d6	6.510	99	1132663	110.899	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021762	118.430	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	343442	120.554	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1764203	97.871	ng	0.00
79) Terphenyl-d14	13.004	244	1861234	110.799	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	235125	59.298	ng	98
3) Pyridine	3.410	79	685786	59.411	ng	99
4) n-Nitrosodimethylamine	3.369	42	371223	61.134	ng	96
6) Aniline	6.551	93	870980	56.909	ng	100
8) 2-Chlorophenol	6.669	128	482622	57.621	ng	98
9) Benzaldehyde	6.440	77	567228	71.995	ng	99
10) Phenol	6.528	94	710019	58.149	ng	94
11) bis(2-Chloroethyl)ether	6.622	93	531386	56.337	ng	98
12) 1,3-Dichlorobenzene	6.828	146	541823	54.041	ng	99
13) 1,4-Dichlorobenzene	6.904	146	547027	55.312	ng	100
14) 1,2-Dichlorobenzene	7.051	146	525807	55.507	ng	99
15) Benzyl Alcohol	7.028	79	450578	58.880	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1202366	56.002	ng	100
17) 2-Methylphenol	7.134	107	402660	58.170	ng	97
18) Hexachloroethane	7.398	117	189228	57.373	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	383071	54.794	ng	99
20) 3+4-Methylphenols	7.287	107	435782	54.319	ng	94
22) Acetophenone	7.298	105	589502	53.189	ng	98
24) Nitrobenzene	7.469	77	574563	59.969	ng	99
25) Isophorone	7.710	82	1042198	57.290	ng	99
26) 2-Nitrophenol	7.781	139	272450	66.327	ng	99
27) 2,4-Dimethylphenol	7.816	122	437344	59.187	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	631066	54.917	ng	99
29) 2,4-Dichlorophenol	8.022	162	442749	57.524	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	428102	56.555	ng	98
31) Naphthalene	8.192	128	1284573	53.874	ng	100
32) Benzoic acid	7.940	122	348955	68.237	ng	97
33) 4-Chloroaniline	8.239	127	504823	56.451	ng	99
34) Hexachlorobutadiene	8.304	225	294507	55.989	ng	98
35) Caprolactam	8.622	113	146970	60.055	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	423904	57.336	ng	99
37) 2-Methylnaphthalene	8.881	142	838837	52.814	ng	100
38) 1-Methylnaphthalene	8.981	142	822755	53.405	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	445714	56.382	ng	98
41) Hexachlorocyclopentadiene	9.034	237	205978	62.806	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	338809	58.657	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

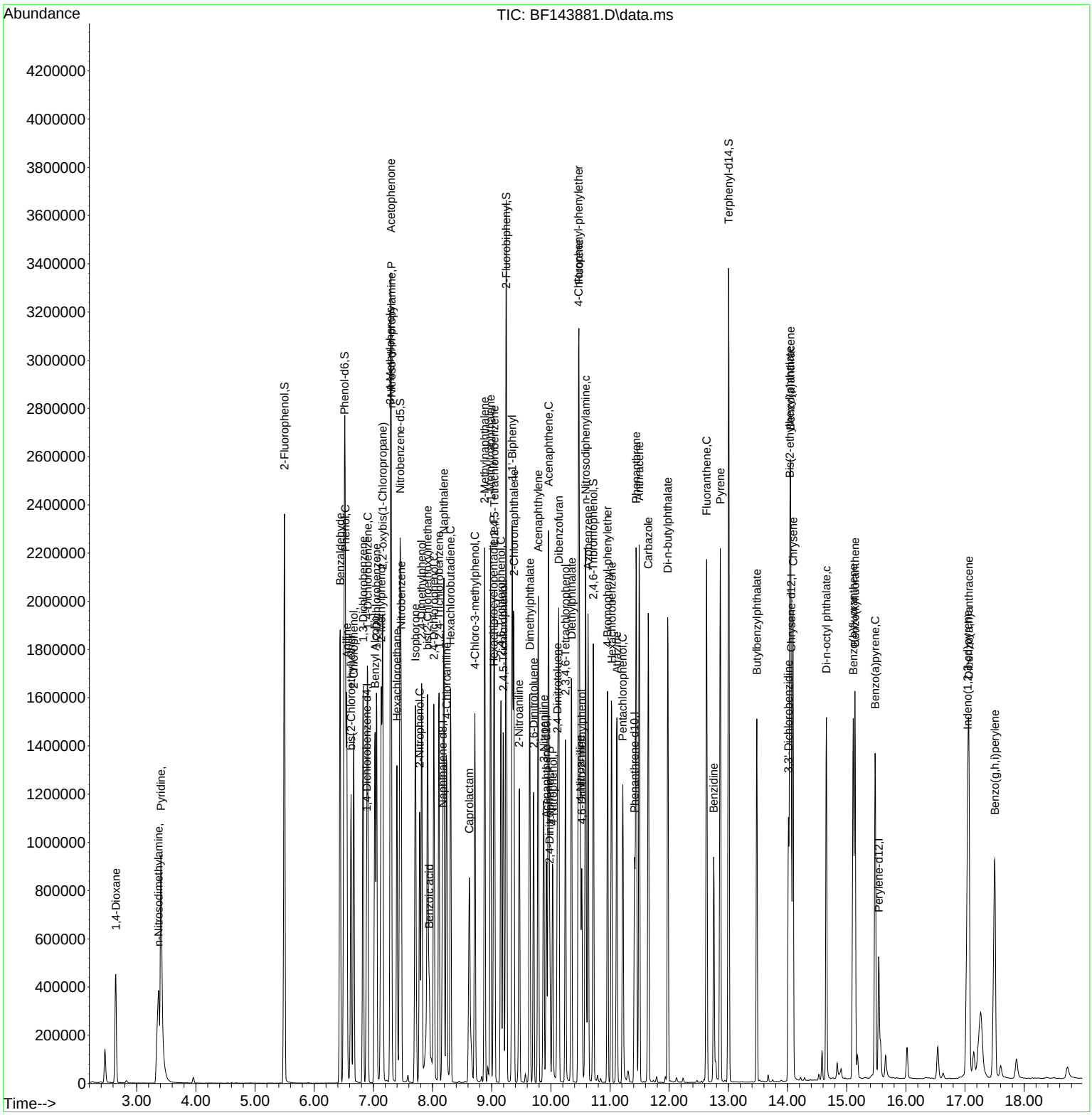
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	345605	56.620	ng		98
46) 1,1'-Biphenyl	9.345	154	1004440	53.040	ng		99
47) 2-Chloronaphthalene	9.375	162	860999	54.531	ng		98
48) 2-Nitroaniline	9.463	65	312884	62.679	ng		99
49) Acenaphthylene	9.786	152	1223951	55.140	ng		99
50) Dimethylphthalate	9.645	163	1031391	56.783	ng		100
51) 2,6-Dinitrotoluene	9.710	165	214169	63.587	ng		99
52) Acenaphthene	9.963	154	801773	55.124	ng		99
53) 3-Nitroaniline	9.881	138	255984	62.070	ng		96
54) 2,4-Dinitrophenol	9.981	184	123295	61.138	ng		95
55) Dibenzofuran	10.133	168	1111183	54.120	ng		99
56) 4-Nitrophenol	10.034	139	195321	62.550	ng		92
57) 2,4-Dinitrotoluene	10.110	165	297018	64.812	ng		97
58) Fluorene	10.475	166	791518	51.090	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	264796	61.283	ng	#	97
60) Diethylphthalate	10.351	149	948580	56.214	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	433339	52.905	ng		97
62) 4-Nitroaniline	10.498	138	247024	62.288	ng		98
63) Azobenzene	10.628	77	992054	56.252	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	166740	68.344	ng		99
66) n-Nitrosodiphenylamine	10.586	169	850570	55.797	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	302165	56.317	ng		98
68) Hexachlorobenzene	11.028	284	356406	57.378	ng		97
69) Atrazine	11.116	200	257412	55.713	ng		98
70) Pentachlorophenol	11.216	266	224011	62.792	ng		99
71) Phenanthrene	11.439	178	1270063	53.961	ng		99
72) Anthracene	11.492	178	1282940	53.956	ng		99
73) Carbazole	11.645	167	1170717	55.592	ng		99
74) Di-n-butylphthalate	11.975	149	1389569	56.934	ng		100
75) Fluoranthene	12.633	202	1325716	54.530	ng		99
77) Benzidine	12.751	184	551394	55.312	ng		98
78) Pyrene	12.863	202	1359513	56.800	ng		99
80) Butylbenzylphthalate	13.480	149	476448	61.293	ng		98
81) Benzo(a)anthracene	14.051	228	1111626	59.168	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	347863	60.756	ng		99
83) Chrysene	14.092	228	969765	55.770	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	579121	61.804	ng		99
85) Di-n-octyl phthalate	14.657	149	991597	64.431	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1173726	61.815	ng		100
88) Benzo(b)fluoranthene	15.110	252	1117484	62.778	ng		99
89) Benzo(k)fluoranthene	15.139	252	855988	51.969	ng		99
90) Benzo(a)pyrene	15.480	252	901585	58.412	ng		98
91) Dibenzo(a,h)anthracene	17.062	278	935987	61.291	ng		98
92) Benzo(g,h,i)perylene	17.504	276	946452	61.976	ng		98

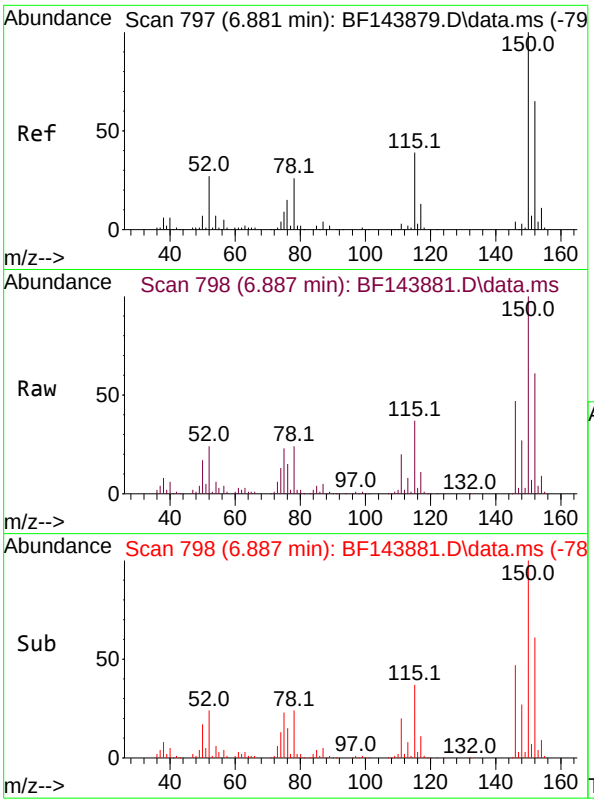
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



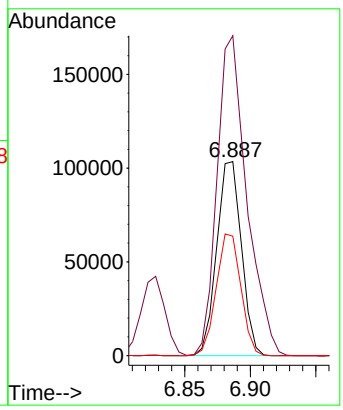


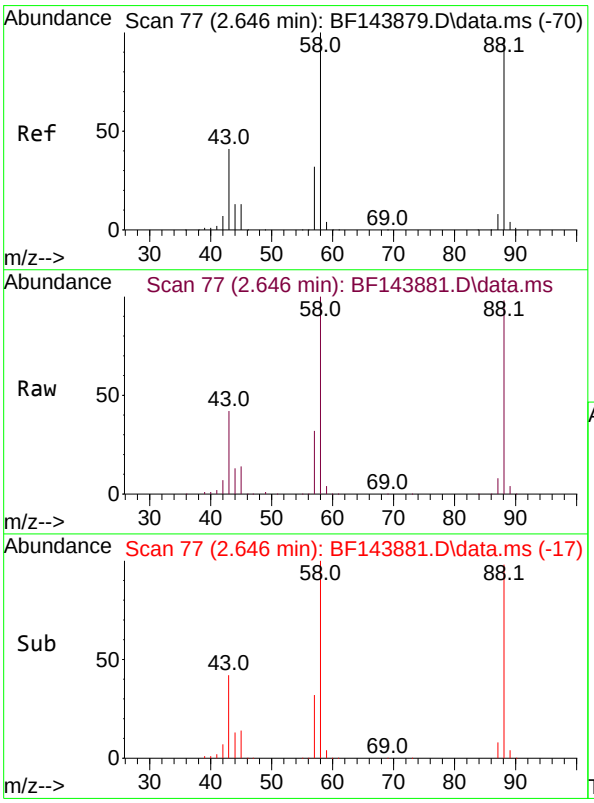
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 136069

Ion	Ratio	Lower	Upper
152	100		
150	165.0	124.4	186.6
115	61.6	48.1	72.1

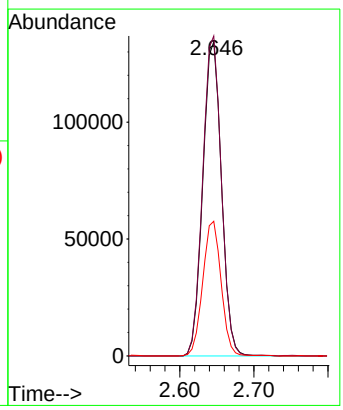


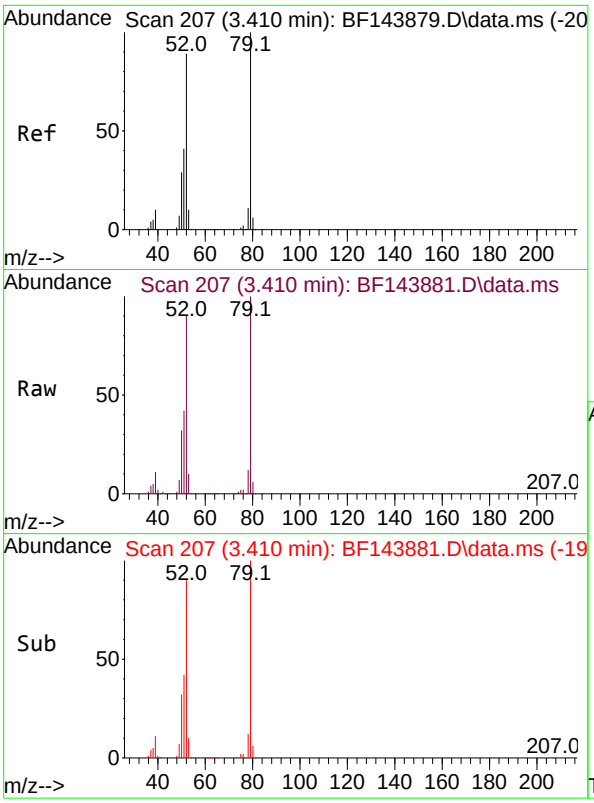


#2
1,4-Dioxane
Concen: 59.298 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 88 Resp: 235125

Ion	Ratio	Lower	Upper
88	100		
58	101.8	83.0	124.6
43	42.1	33.9	50.9



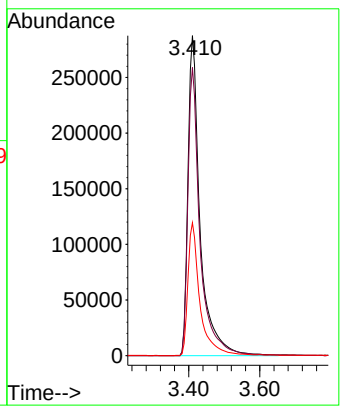


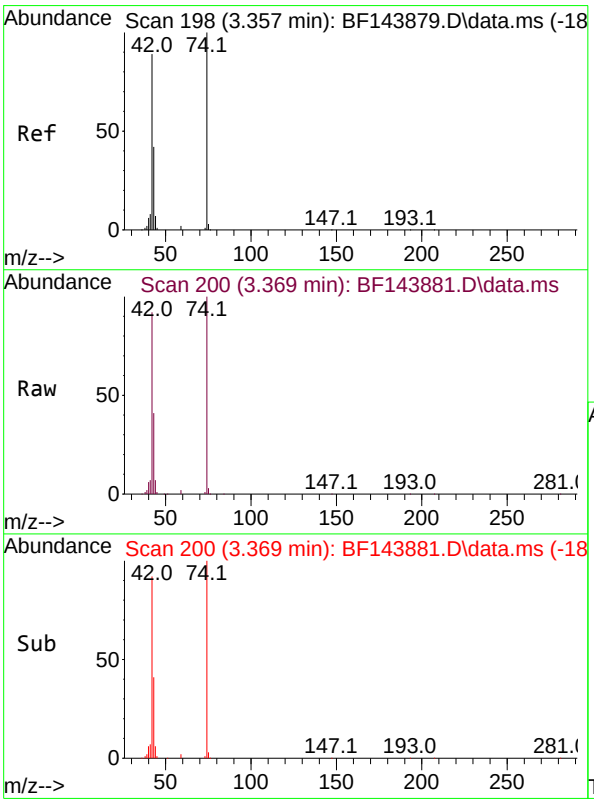
#3
Pyridine
Concen: 59.411 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 685786

Ion	Ratio	Lower	Upper
79	100		
52	90.0	71.5	107.3
51	41.5	32.9	49.3

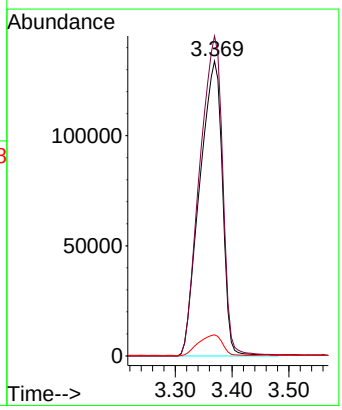


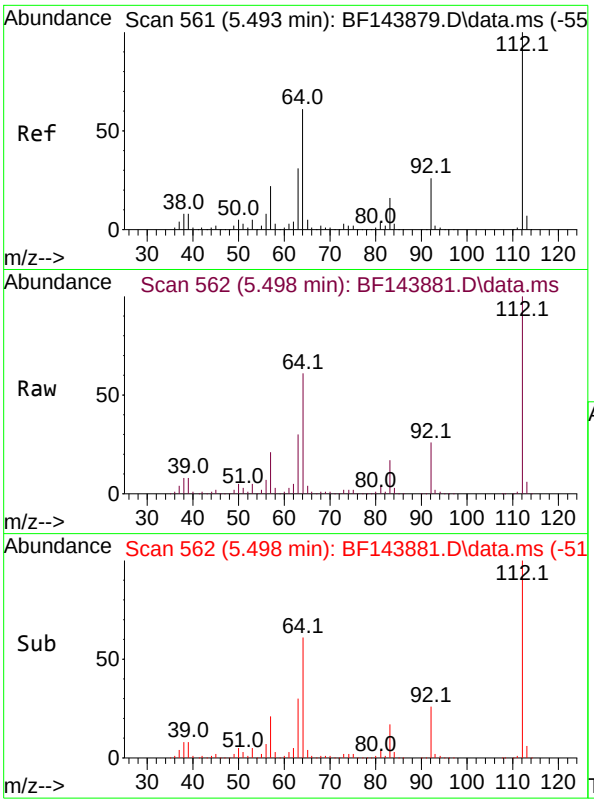


#4
n-Nitrosodimethylamine
Concen: 61.134 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.017 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 42 Resp: 371223

Ion	Ratio	Lower	Upper
42	100		
74	108.6	90.0	135.0
44	7.1	6.2	9.2



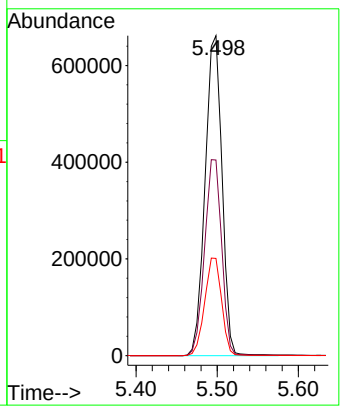


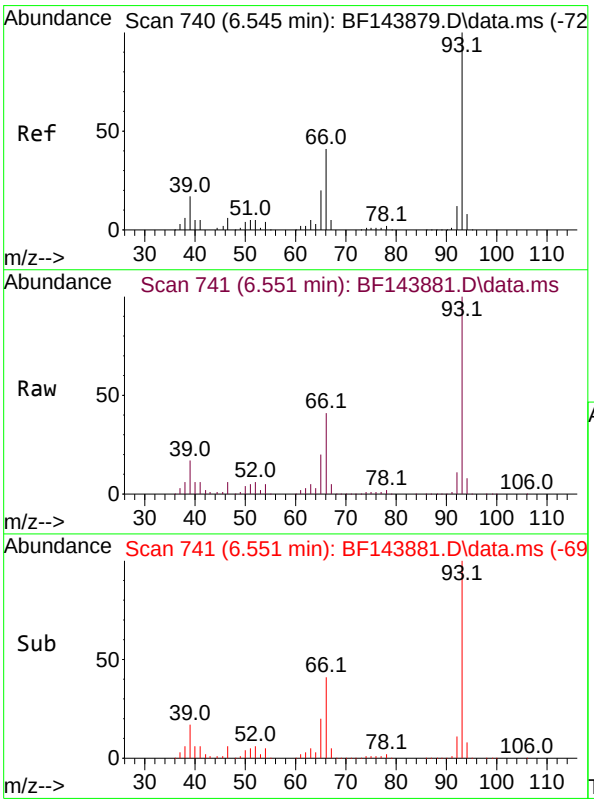
#5
2-Fluorophenol
Concen: 112.181 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 961239

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.1	73.7
63	30.4	24.5	36.7

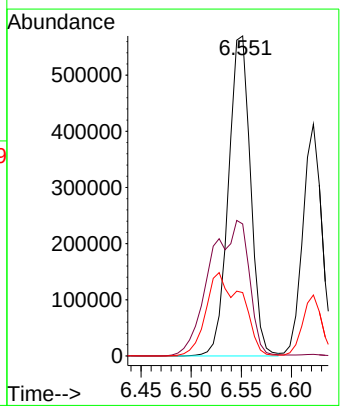


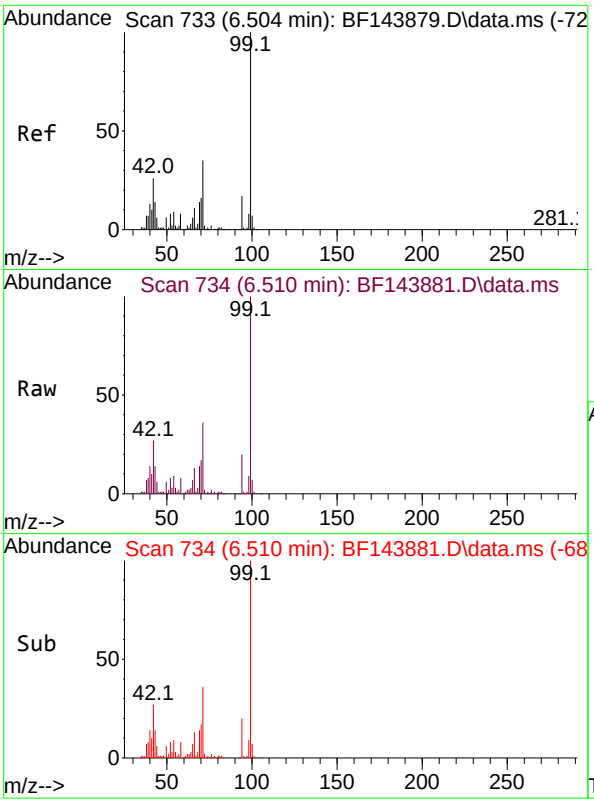


#6
Aniline
Concen: 56.909 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 93 Resp: 870980

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.0	49.6
65	19.8	15.8	23.8



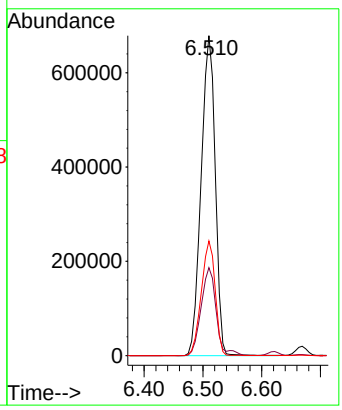


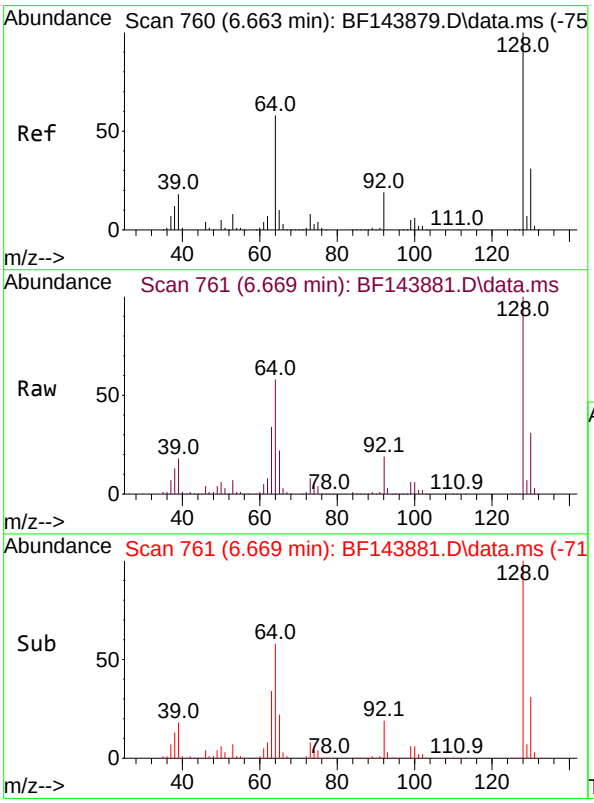
#7
Phenol-d6
Concen: 110.899 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1132663

Ion	Ratio	Lower	Upper
99	100		
42	27.5	21.0	31.4
71	35.8	27.8	41.8

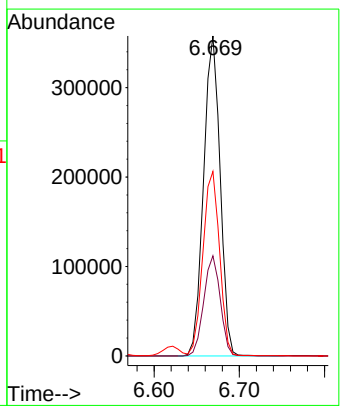


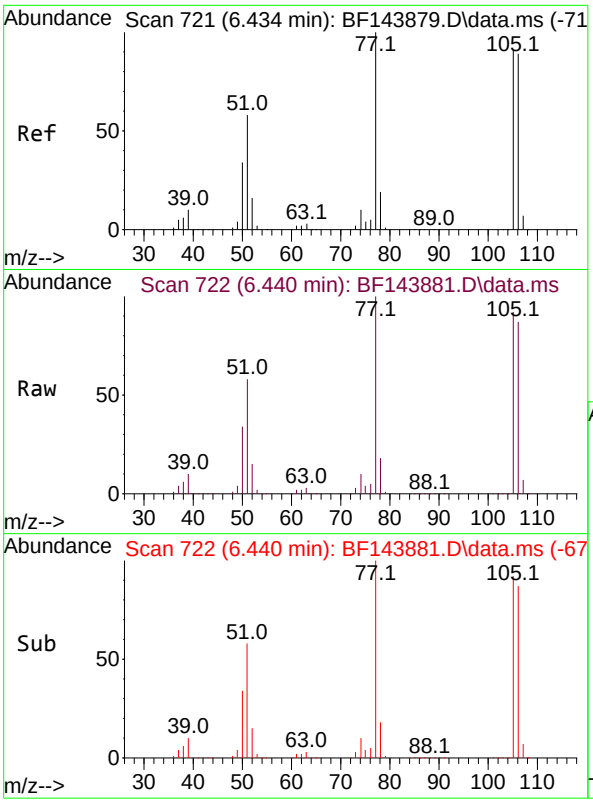


#8
2-Chlorophenol
Concen: 57.621 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:128 Resp: 482622

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.7	50.7
64	57.6	39.0	79.0



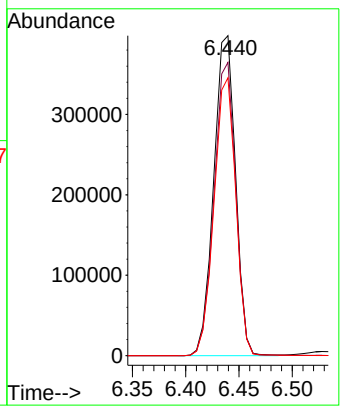


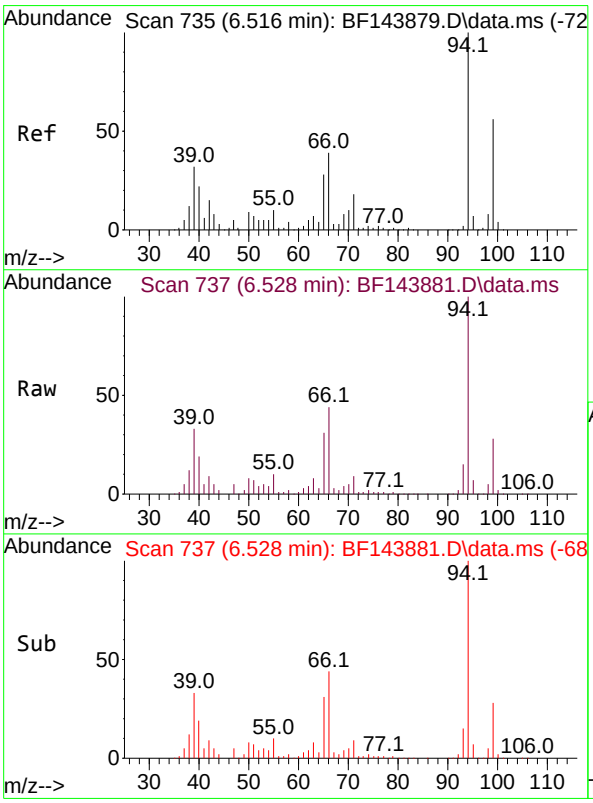
#9
Benzaldehyde
Concen: 71.995 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 567228

Ion	Ratio	Lower	Upper
77	100		
105	91.6	70.9	110.9
106	86.8	68.9	108.9

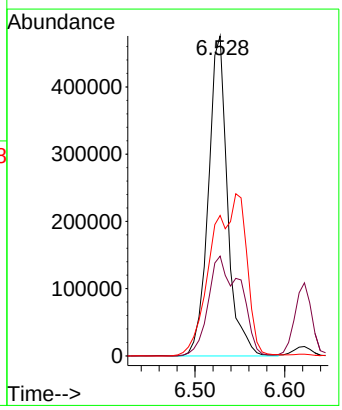


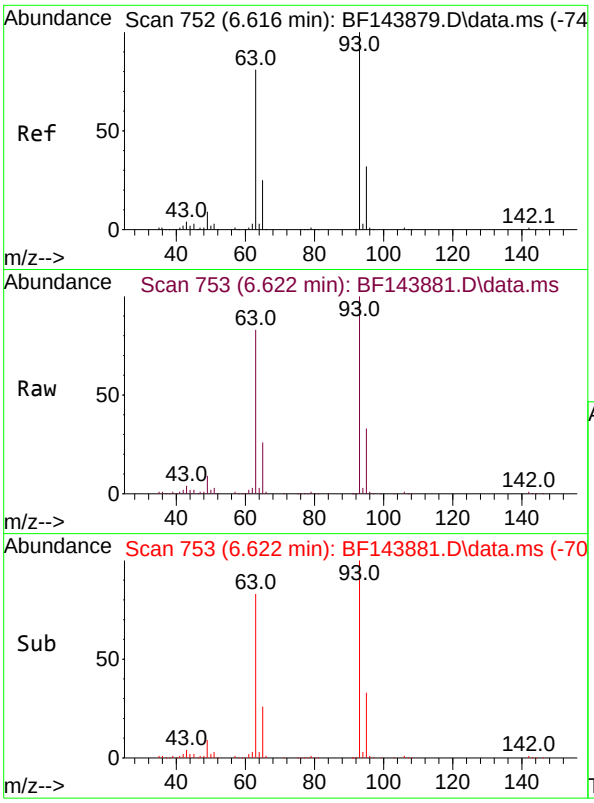


#10
Phenol
Concen: 58.149 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 94 Resp: 710019

Ion	Ratio	Lower	Upper
94	100		
65	31.2	8.5	48.5
66	43.9	19.9	59.9



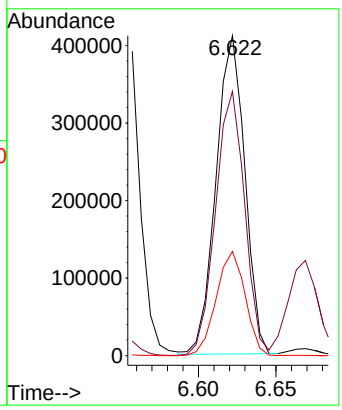


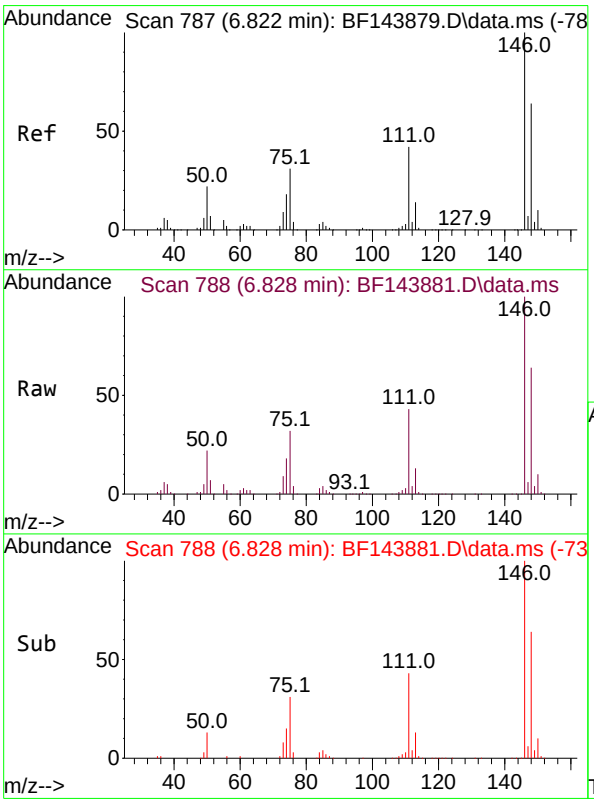
#11
bis(2-Chloroethyl)ether
Concen: 56.337 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 531386

Ion	Ratio	Lower	Upper
93	100		
63	82.6	60.9	100.9
95	32.6	11.5	51.5

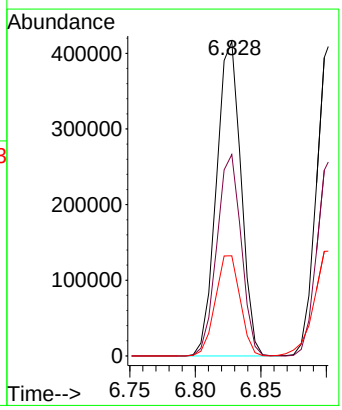


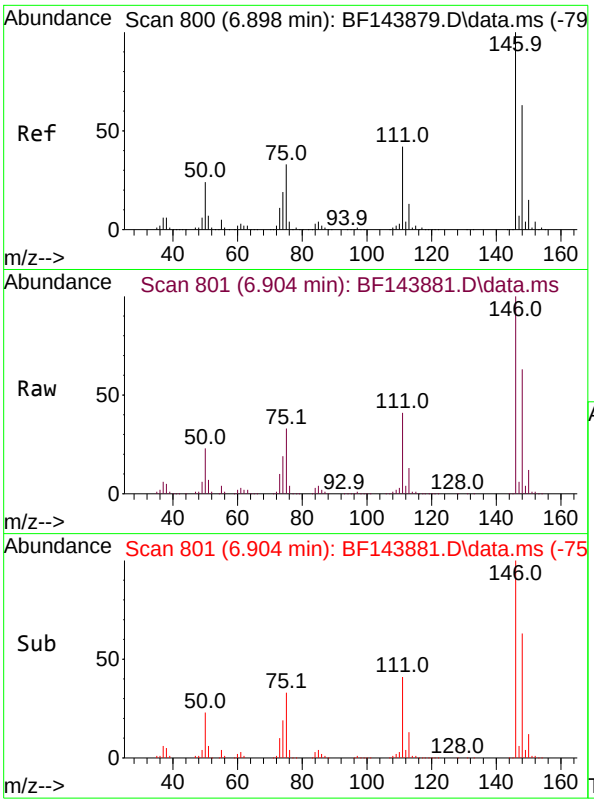


#12
1,3-Dichlorobenzene
Concen: 54.041 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:146 Resp: 541823

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	31.8	24.9	37.3



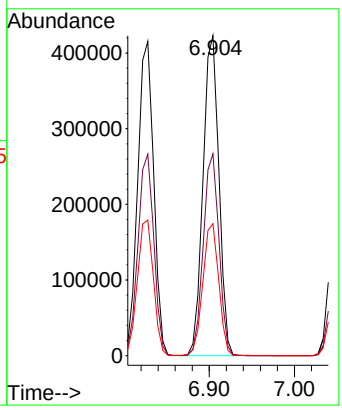


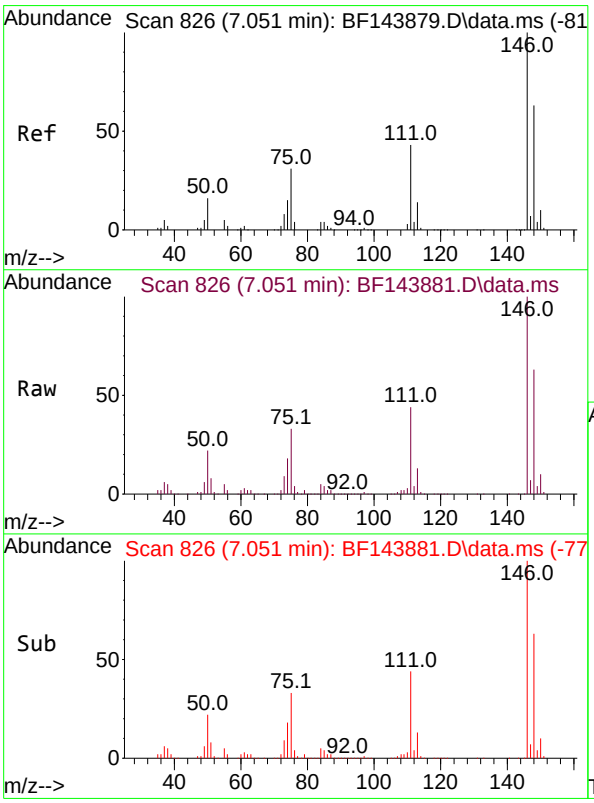
#13
1,4-Dichlorobenzene
Concen: 55.312 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 547027

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.2	33.4	50.0

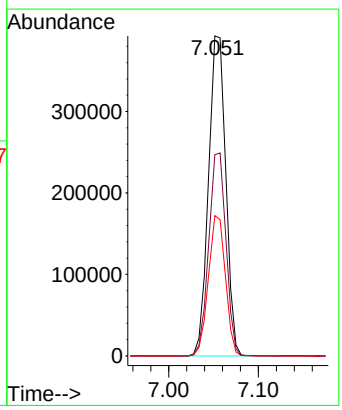


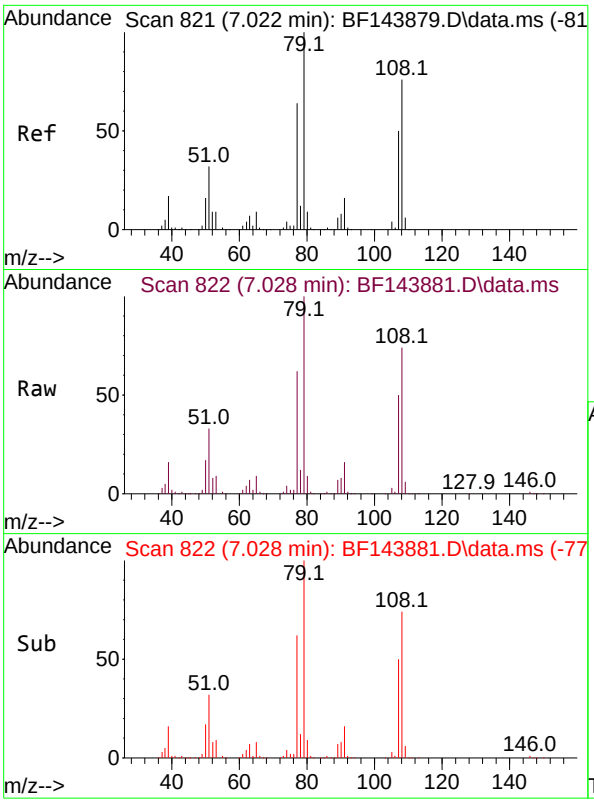


#14
1,2-Dichlorobenzene
Concen: 55.507 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:146 Resp: 525807

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.6	75.8
111	43.8	34.6	51.8



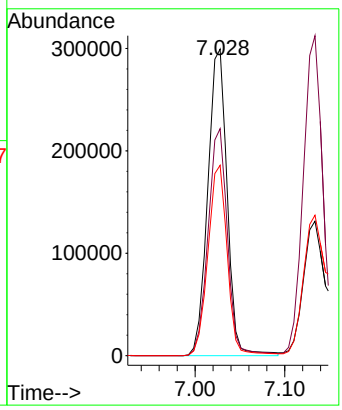


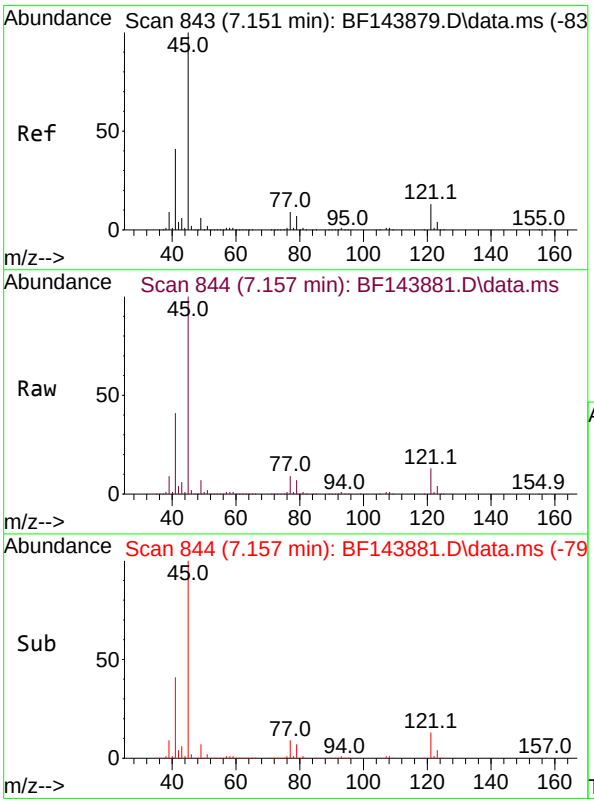
#15
Benzyl Alcohol
Concen: 58.880 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 450578

Ion	Ratio	Lower	Upper
79	100		
108	74.1	60.8	91.2
77	62.1	51.0	76.6

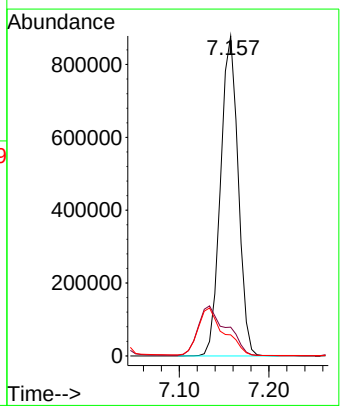


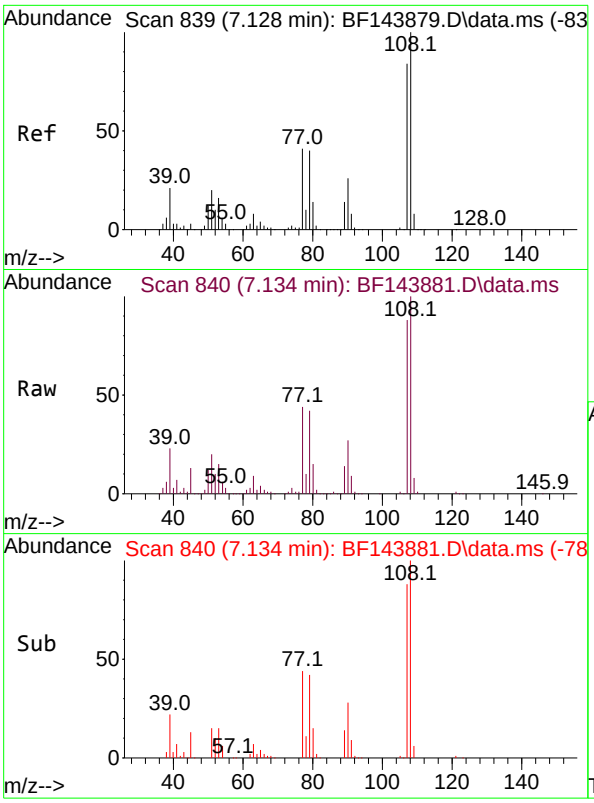


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.002 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 45 Resp: 1202366

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.6	0.0	26.8



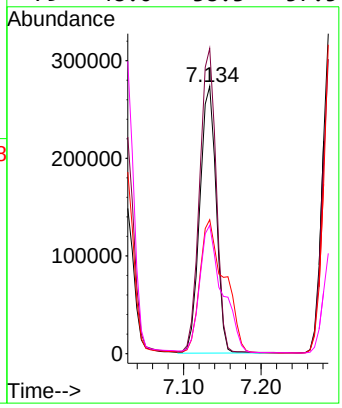


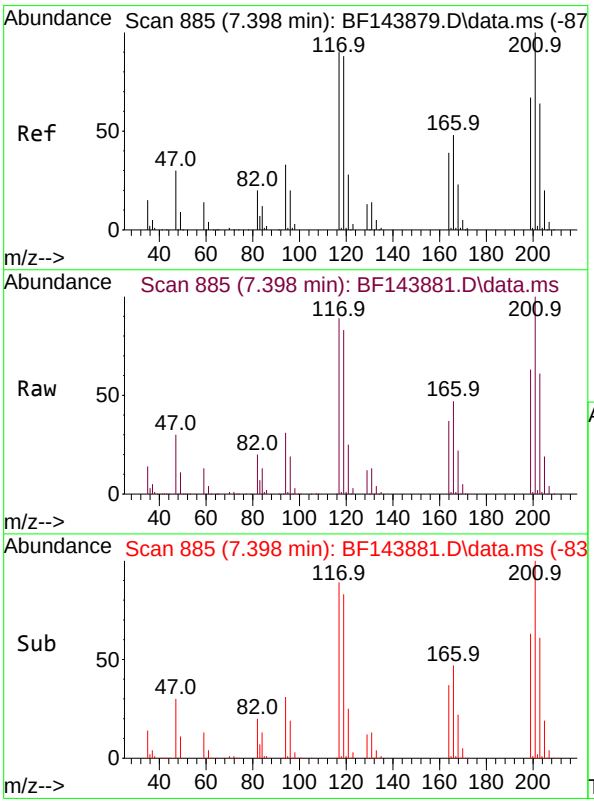
#17
2-Methylphenol
Concen: 58.170 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 402660

Ion	Ratio	Lower	Upper
107	100		
108	114.2	94.7	142.1
77	50.1	38.8	58.2
79	48.0	38.3	57.5

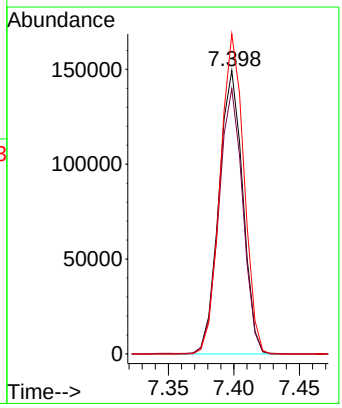


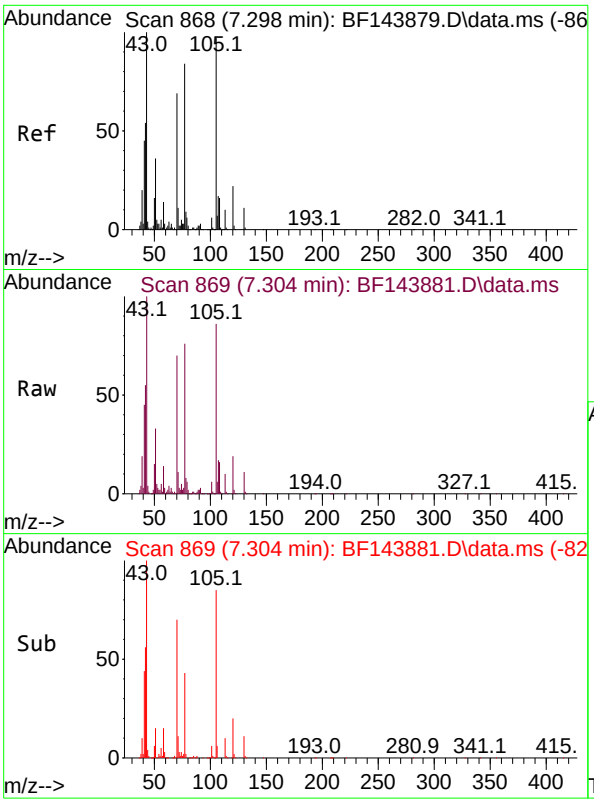


#18
Hexachloroethane
Concen: 57.373 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:117 Resp: 189228

Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.8	116.8
201	112.9	88.5	132.7



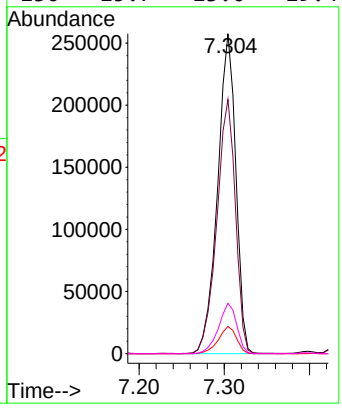


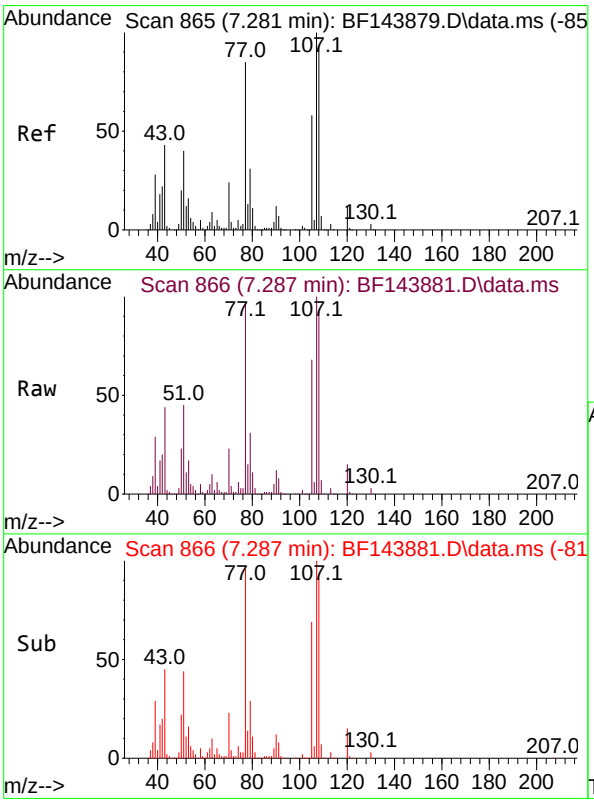
#19
n-Nitroso-di-n-propylamine
Concen: 54.794 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 383071

Ion	Ratio	Lower	Upper
70	100		
42	79.4	62.8	94.2
101	8.5	6.7	10.1
130	15.7	13.0	19.4

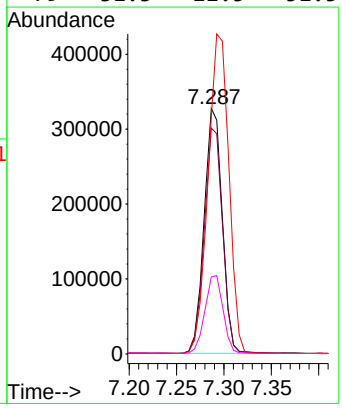


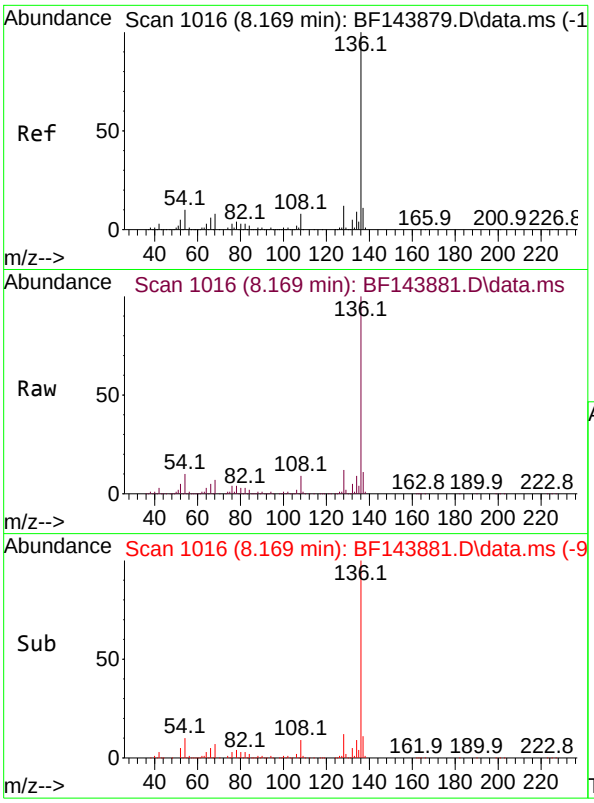


#20
3+4-Methylphenols
Concen: 54.319 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:107 Resp: 435782

Ion	Ratio	Lower	Upper
107	100		
108	92.0	73.0	113.0
77	96.5	64.6	104.6
79	31.3	11.5	51.5



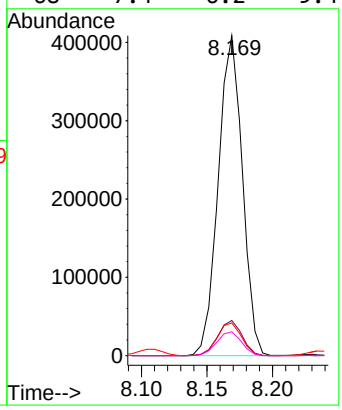


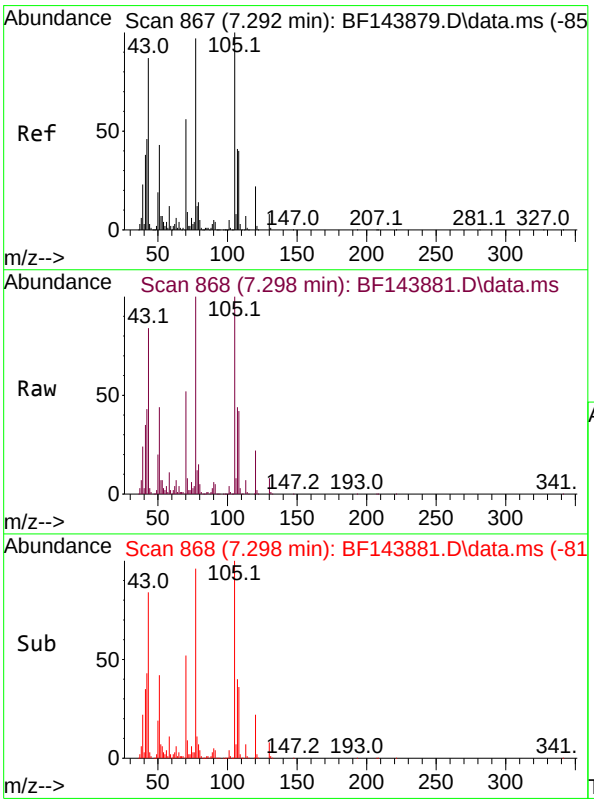
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 524164

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.2	8.2	12.4
68	7.4	6.2	9.4

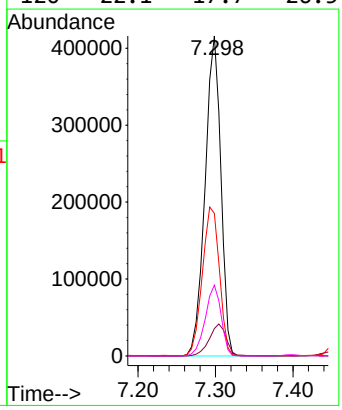


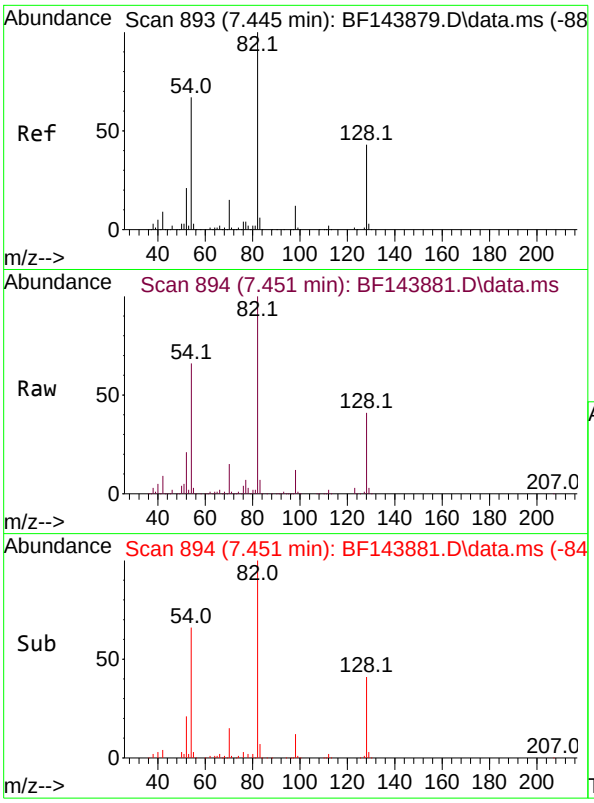


#22
Acetophenone
Concen: 53.189 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:105 Resp: 589502

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.4	11.0
51	44.5	34.2	51.4
120	22.1	17.7	26.5



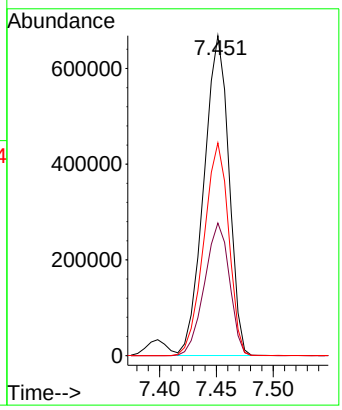


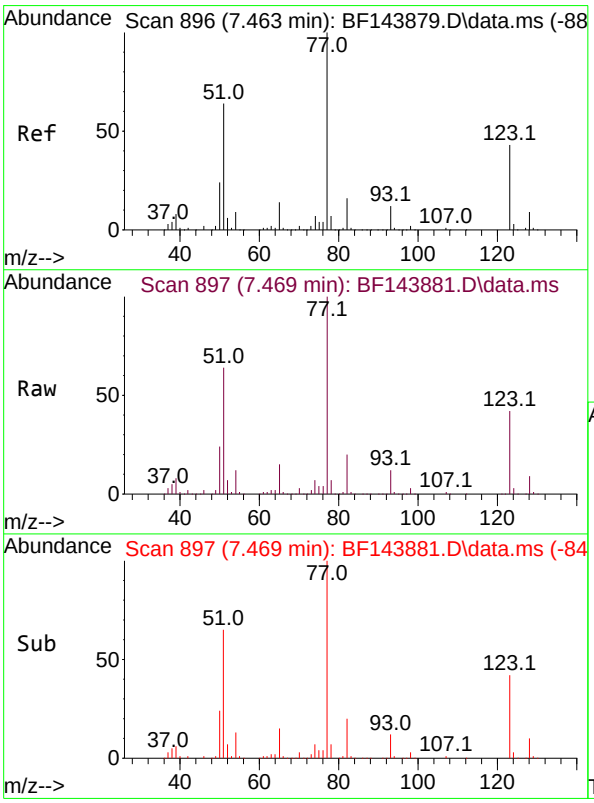
#23
Nitrobenzene-d5
Concen: 118.430 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1021762

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.0	51.0
54	66.5	53.2	79.8

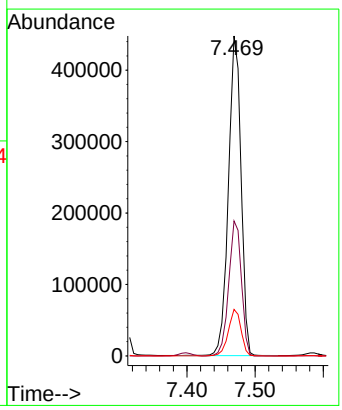


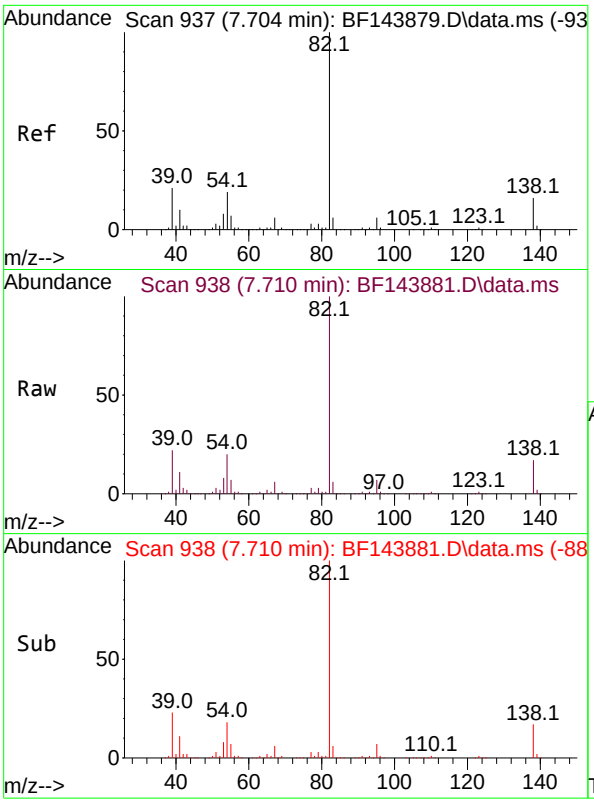


#24
Nitrobenzene
Concen: 59.969 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 77 Resp: 574563

Ion	Ratio	Lower	Upper
77	100		
123	42.2	34.2	51.4
65	14.5	11.0	16.6



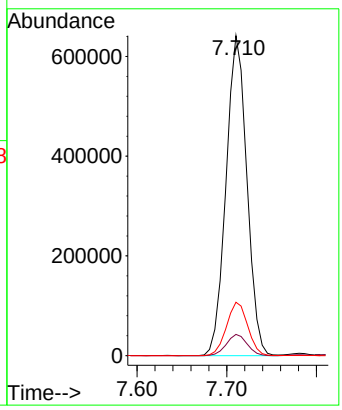


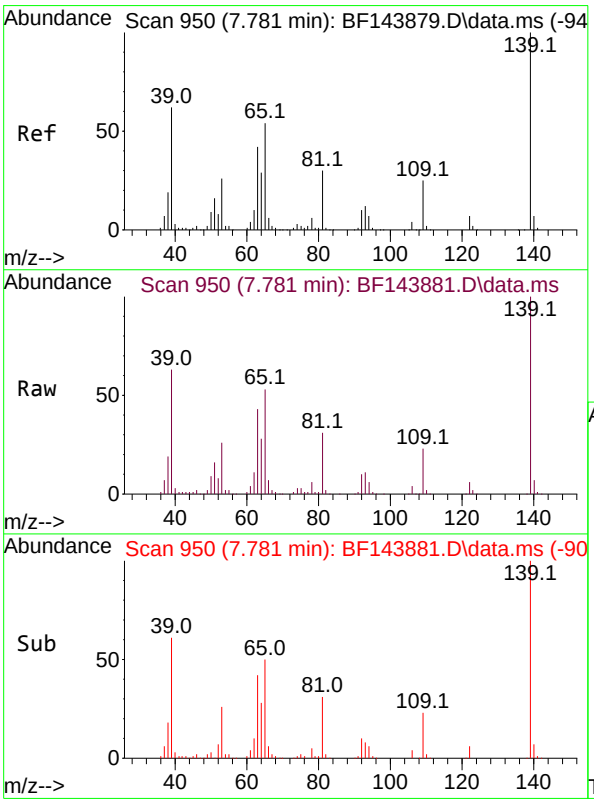
#25
Isophorone
Concen: 57.290 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1042198

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	16.7	12.9	19.3

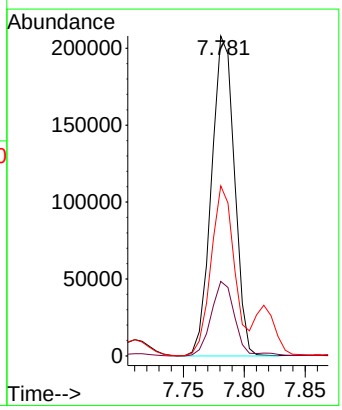


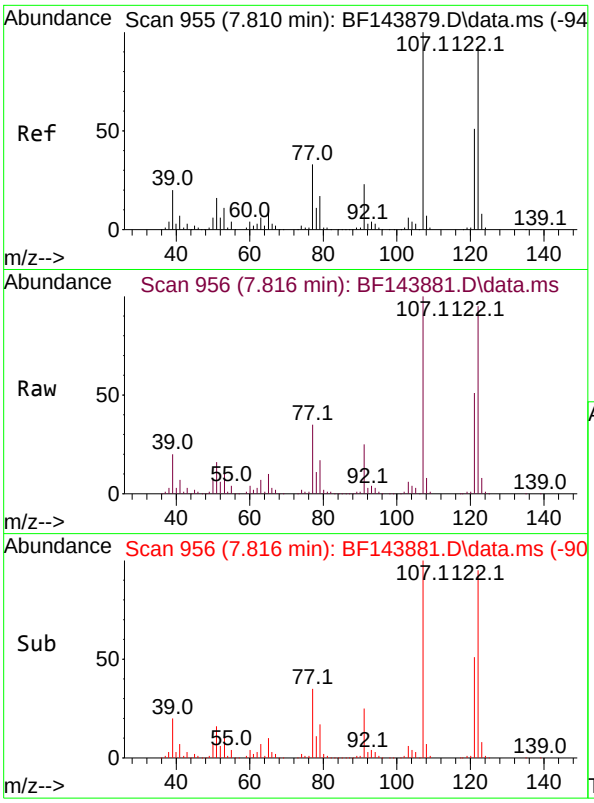


#26
2-Nitrophenol
Concen: 66.327 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:139 Resp: 272450

Ion	Ratio	Lower	Upper
139	100		
109	23.3	19.8	29.6
65	53.1	42.9	64.3



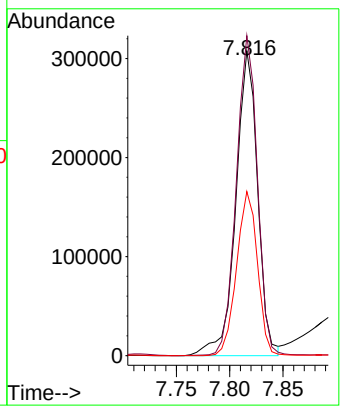


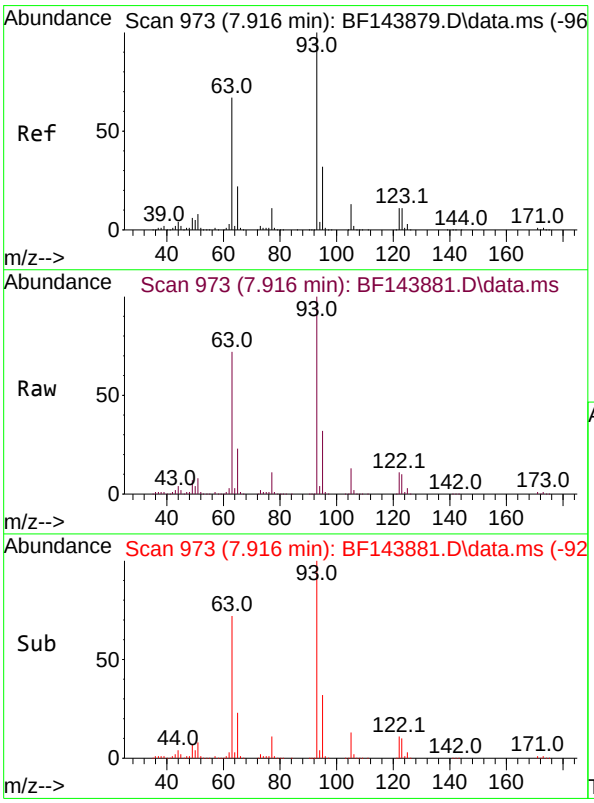
#27
2,4-Dimethylphenol
Concen: 59.187 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 437344

Ion	Ratio	Lower	Upper
122	100		
107	105.0	86.1	129.1
121	53.8	43.8	65.6

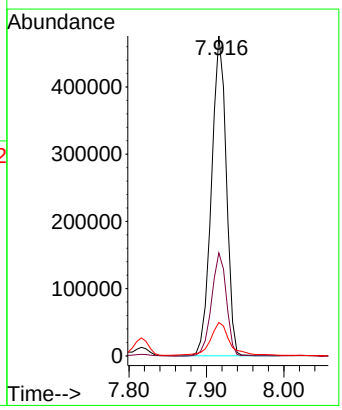


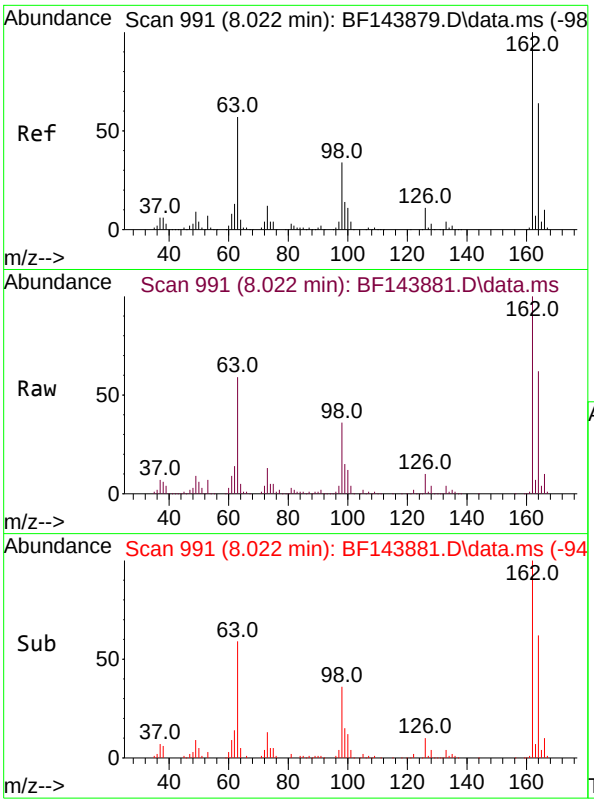


#28
bis(2-Chloroethoxy)methane
Concen: 54.917 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 93 Resp: 631066

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.9	38.9
123	10.4	9.4	14.0



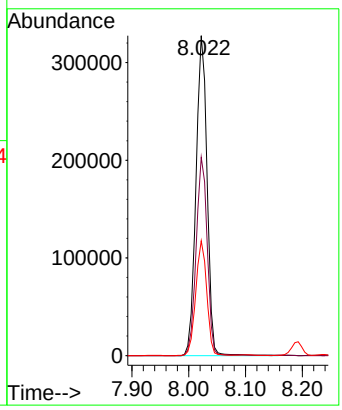


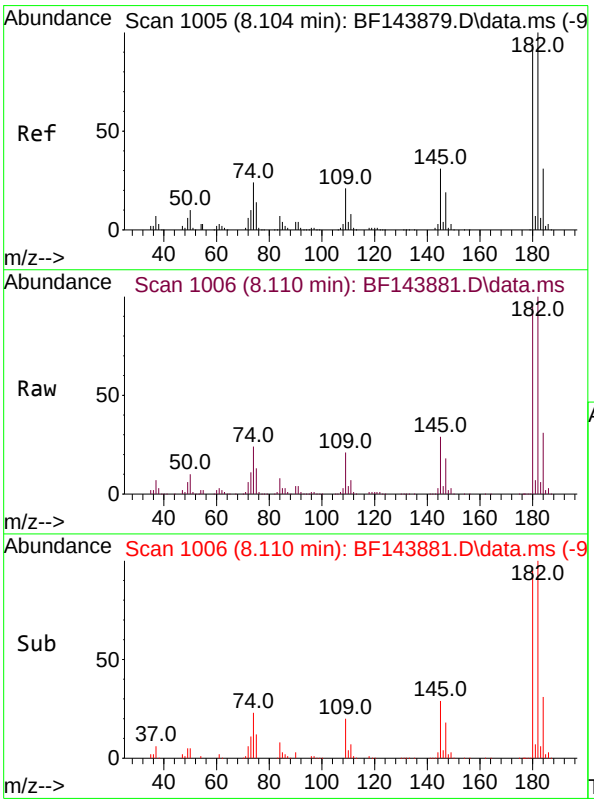
#29
2,4-Dichlorophenol
Concen: 57.524 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 442749

Ion	Ratio	Lower	Upper
162	100		
164	62.0	43.9	83.9
98	35.9	14.4	54.4

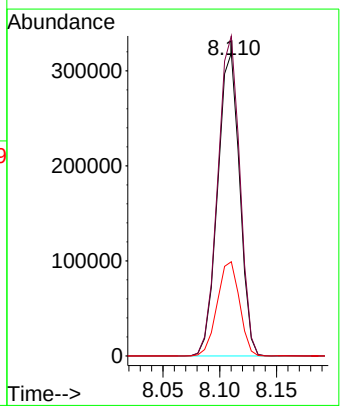


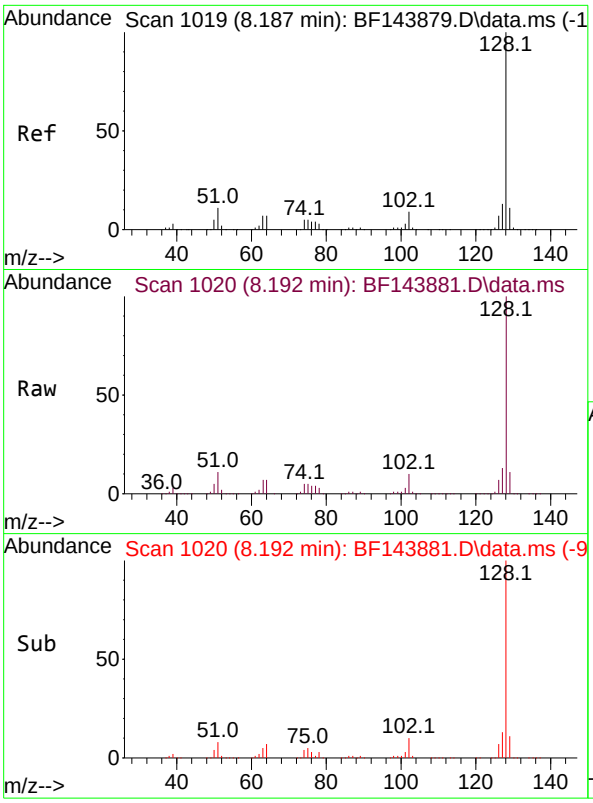


#30
1,2,4-Trichlorobenzene
Concen: 56.555 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:180 Resp: 428102

Ion	Ratio	Lower	Upper
180	100		
182	105.7	85.4	128.0
145	31.1	26.3	39.5



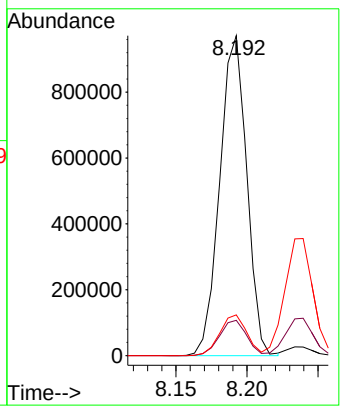


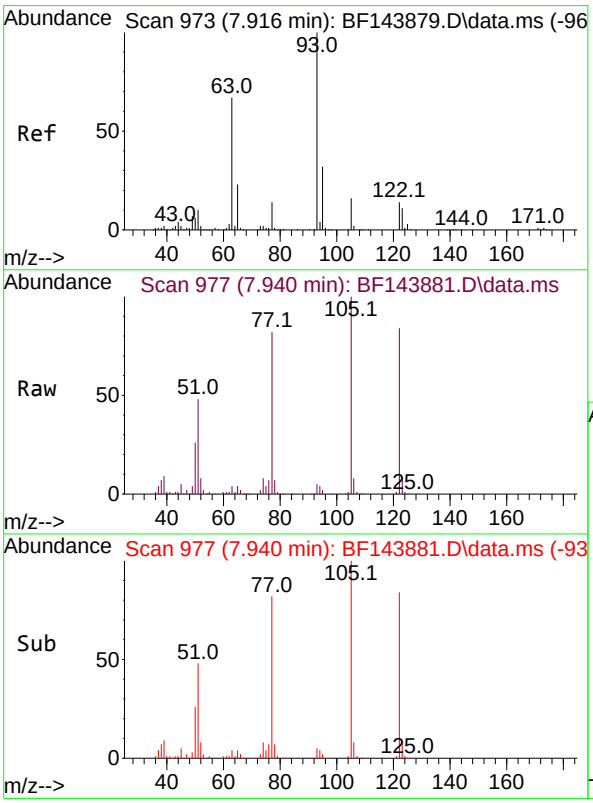
#31
Naphthalene
Concen: 53.874 ng
RT: 8.192 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1284573

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.7	10.0	15.0

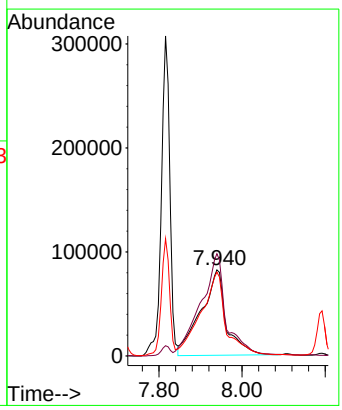


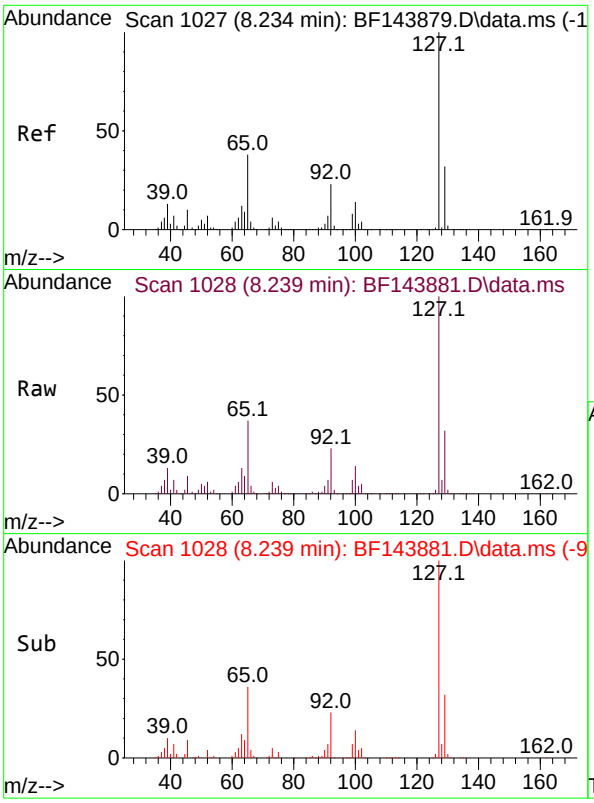


#32
Benzoic acid
Concen: 68.237 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.023 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:122 Resp: 348955

Ion	Ratio	Lower	Upper
122	100		
105	118.8	93.5	133.5
77	97.3	76.3	116.3



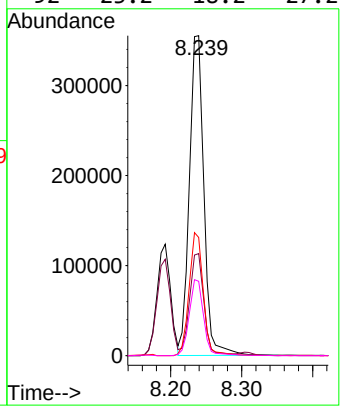


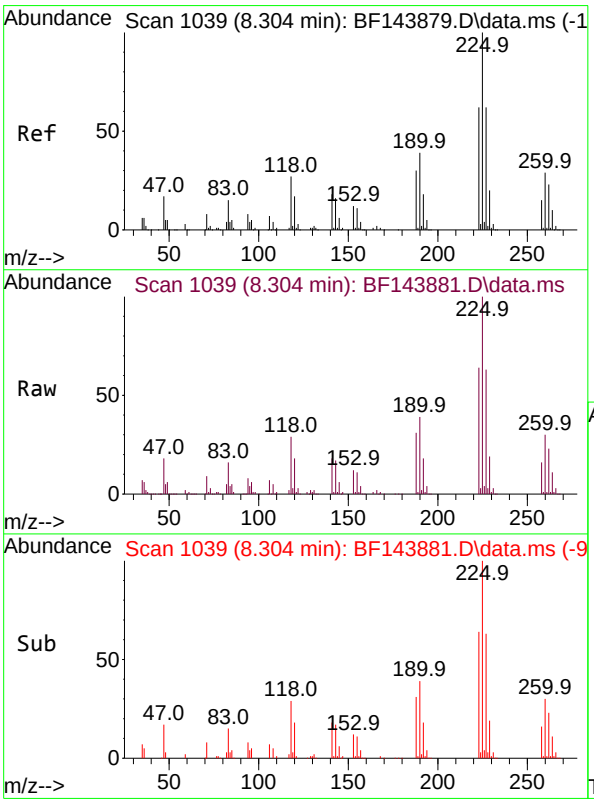
#33
4-Chloroaniline
Concen: 56.451 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 504823

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.8
65	36.9	30.0	45.0
92	23.2	18.2	27.2

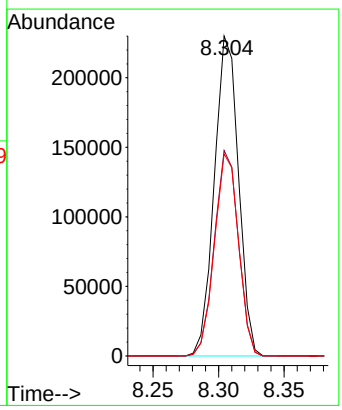


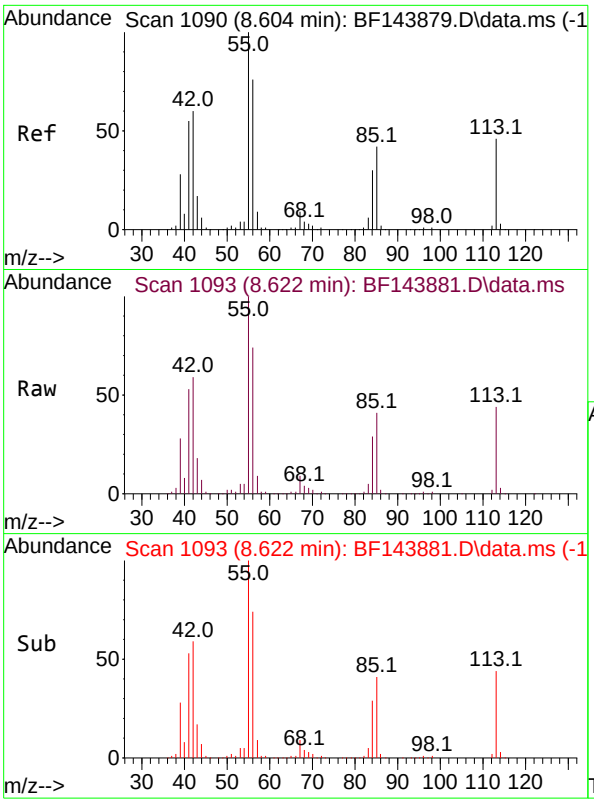


#34
Hexachlorobutadiene
Concen: 55.989 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:225 Resp: 294507

Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.4	74.2
227	63.1	49.7	74.5



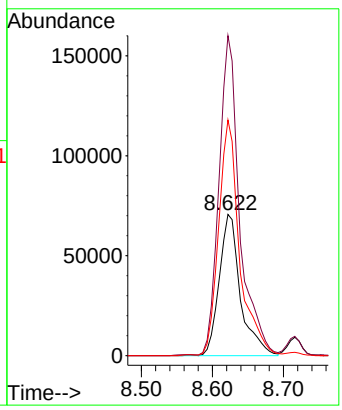


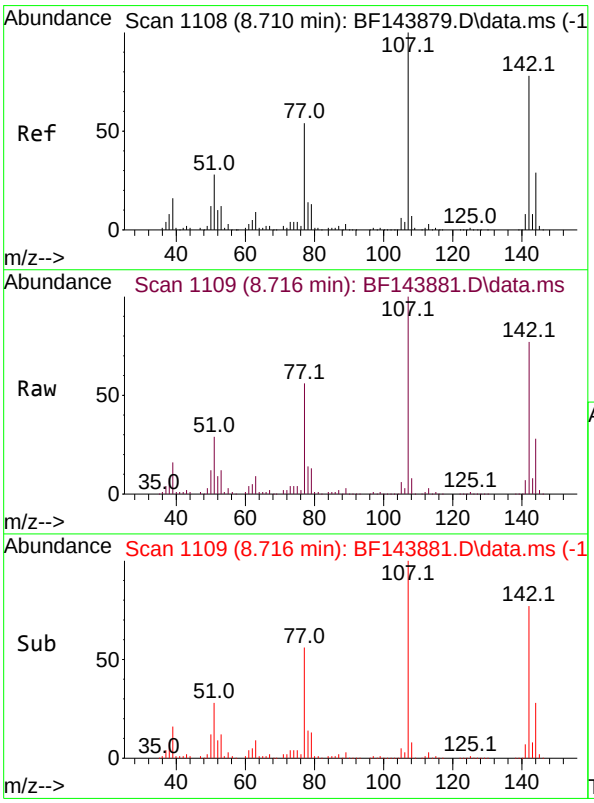
#35
Caprolactam
Concen: 60.055 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 146970

Ion	Ratio	Lower	Upper
113	100		
55	226.6	199.6	239.6
56	166.8	146.0	186.0

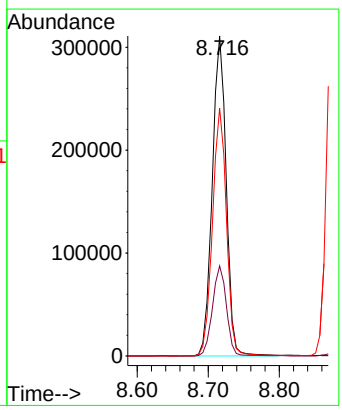


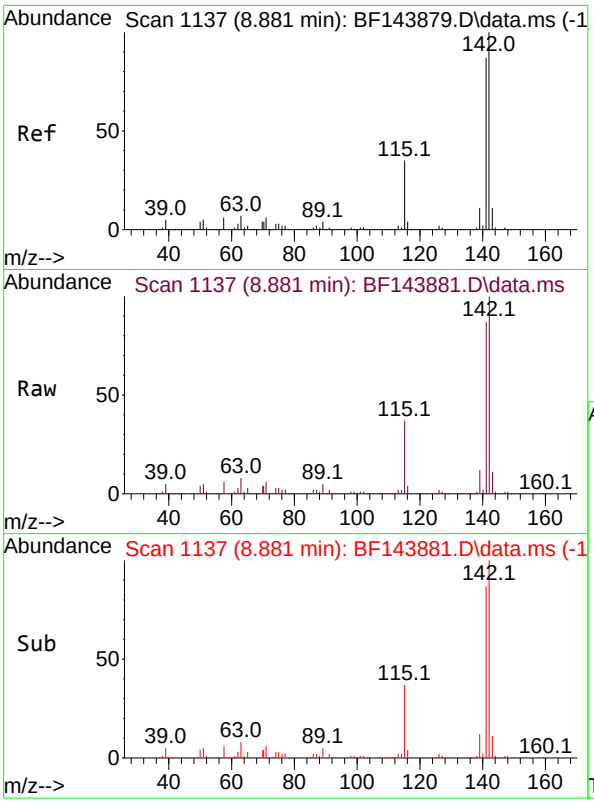


#36
4-Chloro-3-methylphenol
Concen: 57.336 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:107 Resp: 423904

Ion	Ratio	Lower	Upper
107	100		
144	28.1	23.1	34.7
142	77.4	62.6	94.0



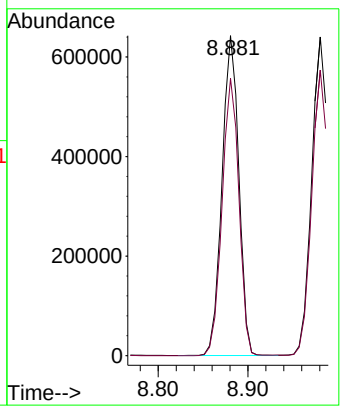


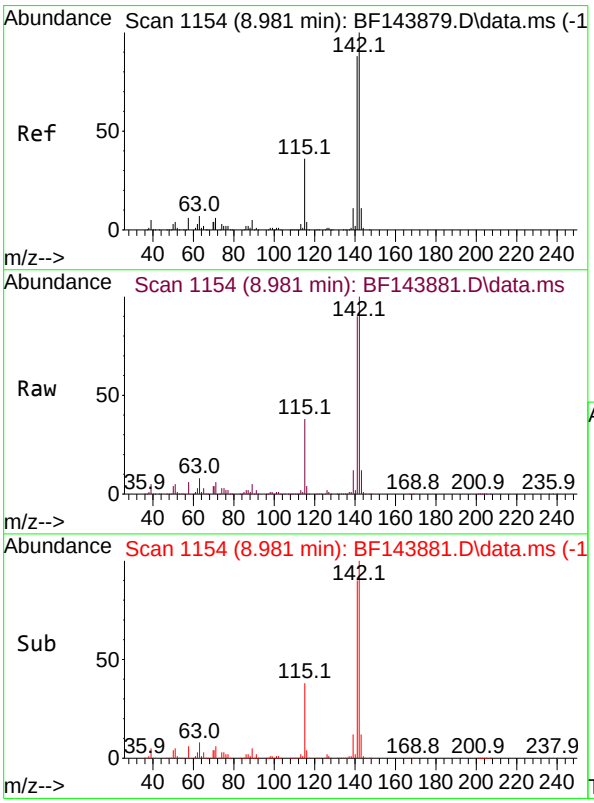
#37
2-Methylnaphthalene
Concen: 52.814 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 838837

Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.2	103.8

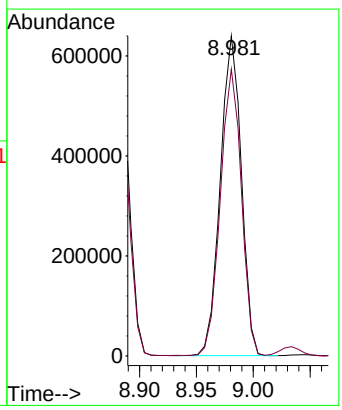


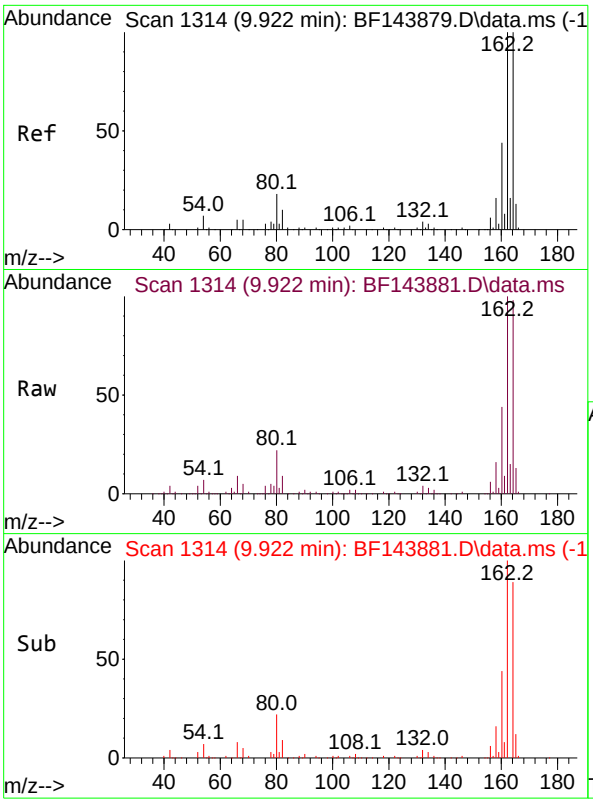


#38
1-Methylnaphthalene
Concen: 53.405 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:142 Resp: 822755

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2



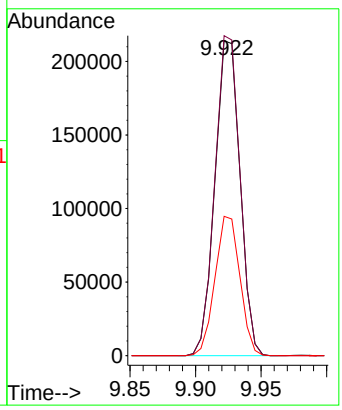


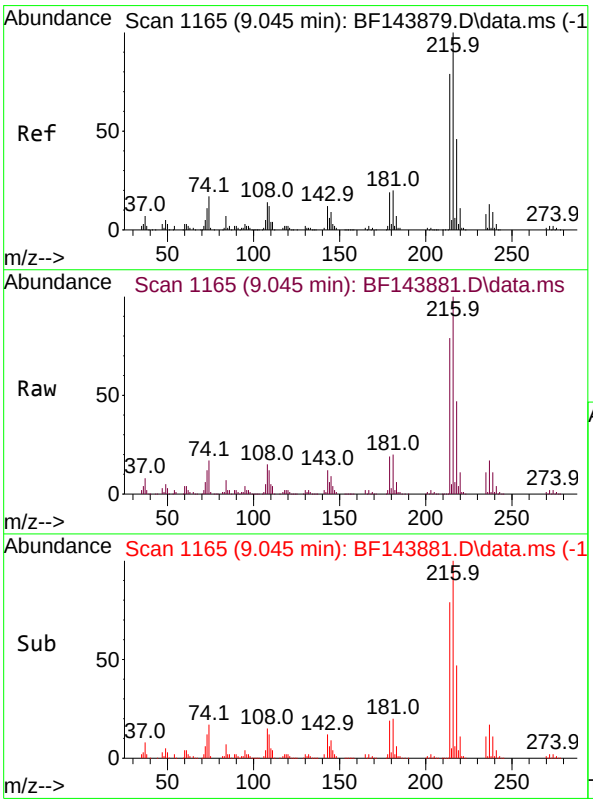
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 286024

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.2	120.2
160	44.2	35.4	53.0

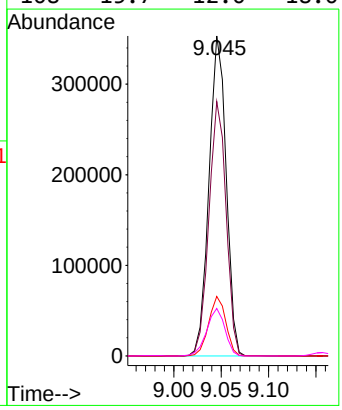


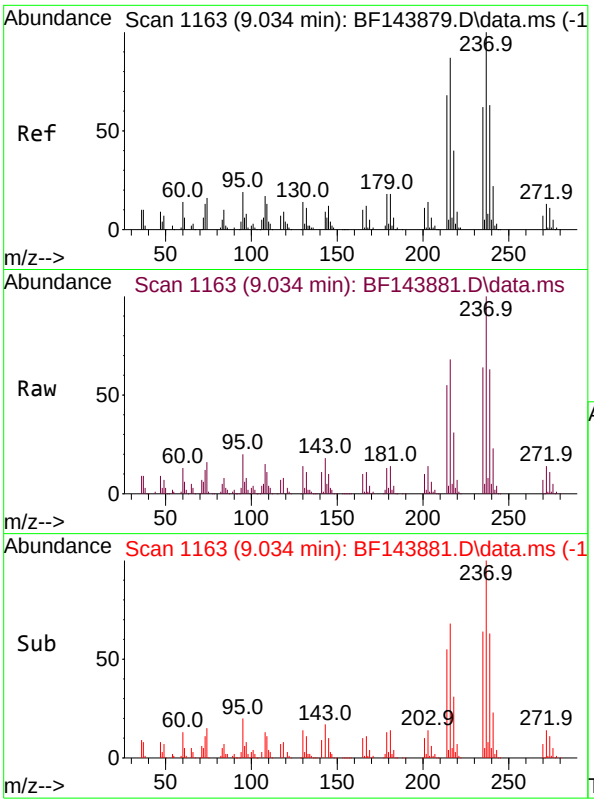


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.382 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:216 Resp: 445714

Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.6	94.0
179	18.5	15.4	23.0
108	15.7	12.0	18.0



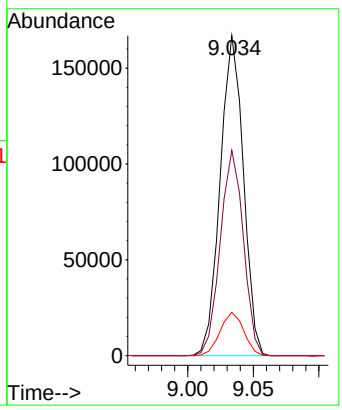


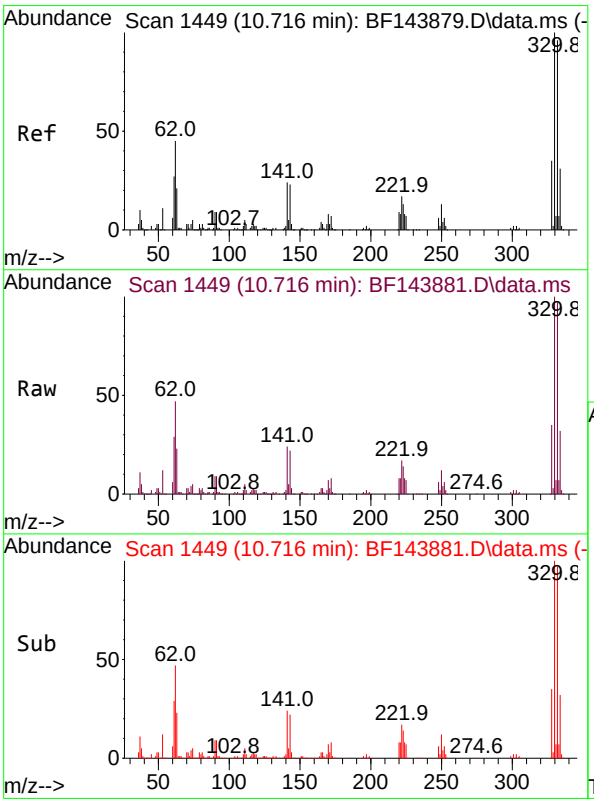
#41
Hexachlorocyclopentadiene
Concen: 62.806 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 205978

Ion	Ratio	Lower	Upper
237	100		
235	64.2	42.3	82.3
272	13.5	0.0	33.1

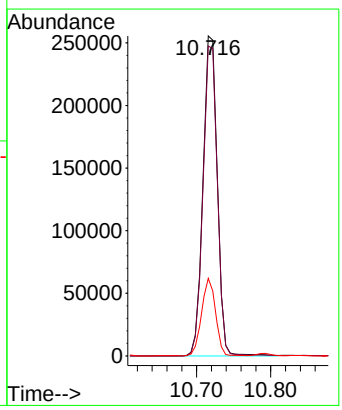


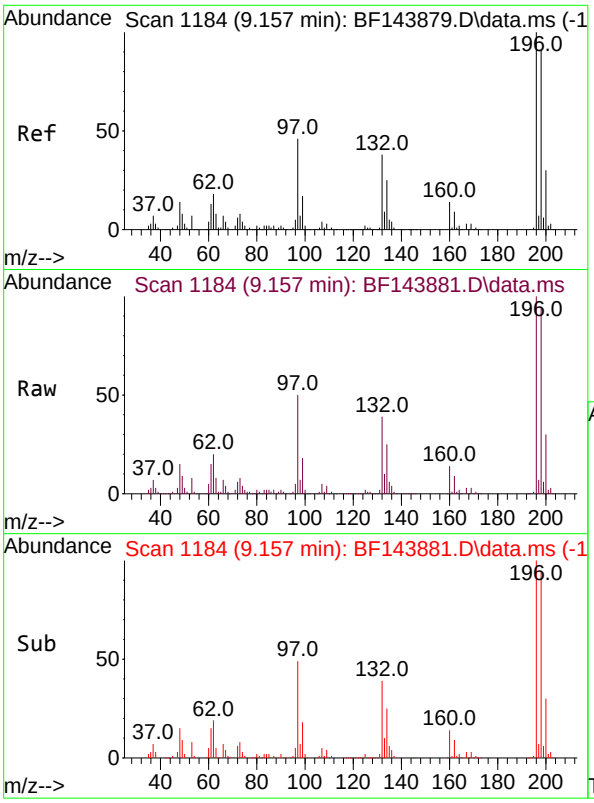


#42
2,4,6-Tribromophenol
Concen: 120.554 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:330 Resp: 343442

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	23.7	20.2	30.4



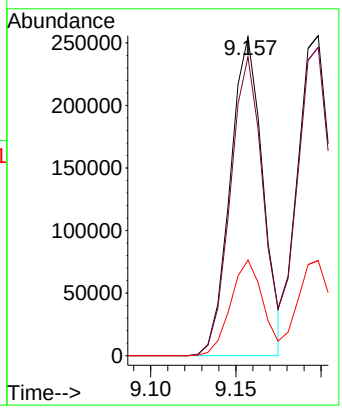


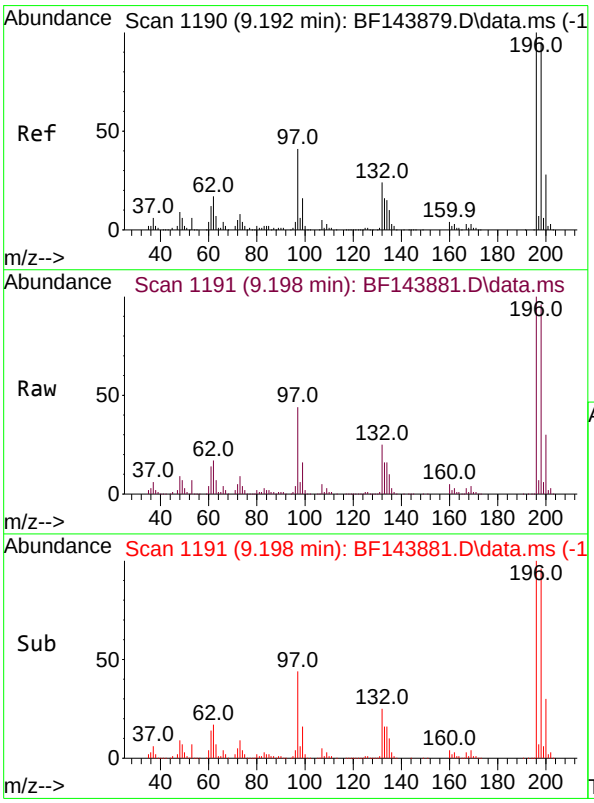
#43
2,4,6-Trichlorophenol
Concen: 58.657 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 338809

Ion	Ratio	Lower	Upper
196	100		
198	93.7	72.8	109.2
200	30.0	24.0	36.0

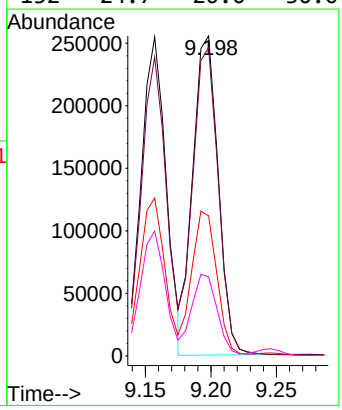


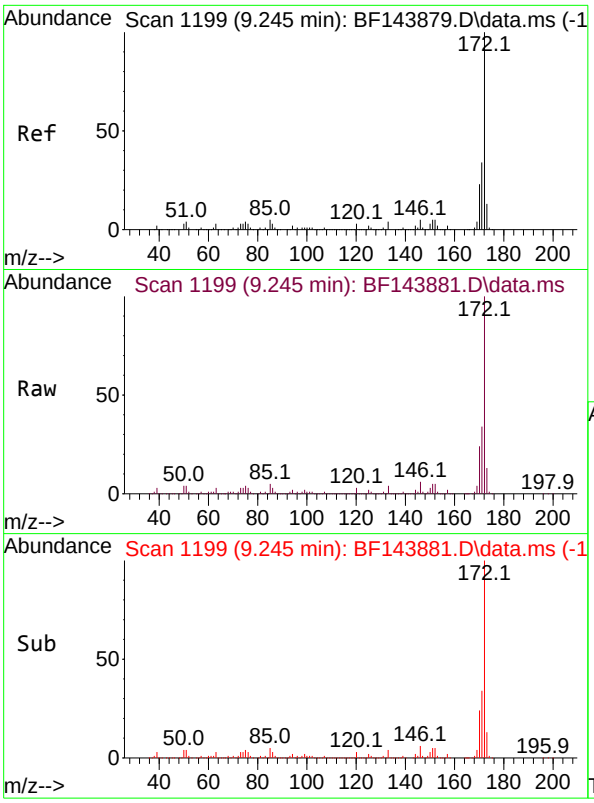


#44
2,4,5-Trichlorophenol
Concen: 56.620 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:196 Resp: 345605

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.5	113.3
97	43.8	33.9	50.9
132	24.7	20.0	30.0



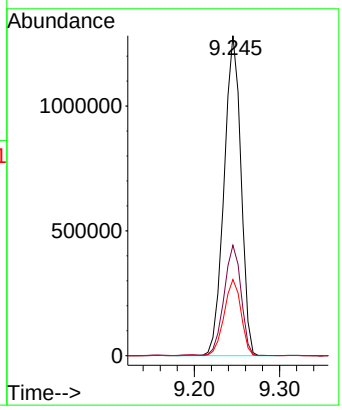


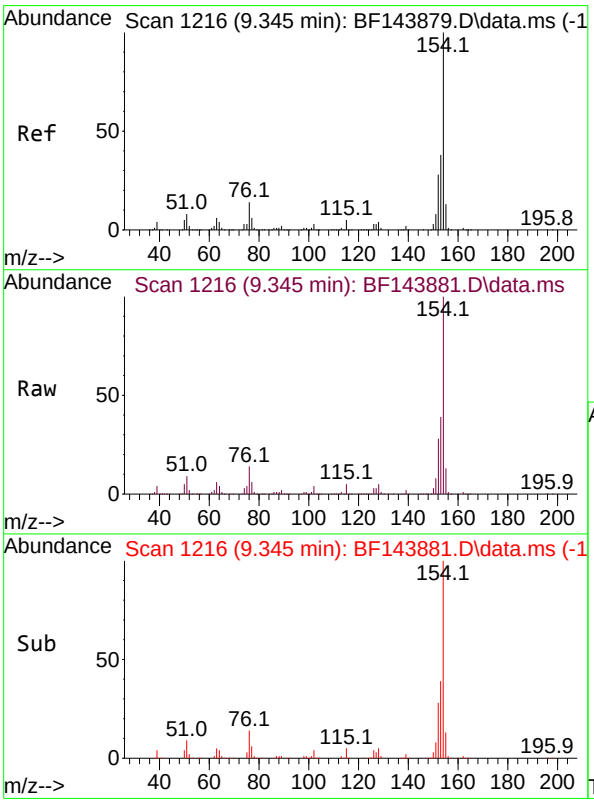
#45
2-Fluorobiphenyl
Concen: 97.871 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1764203

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	23.8	18.6	28.0

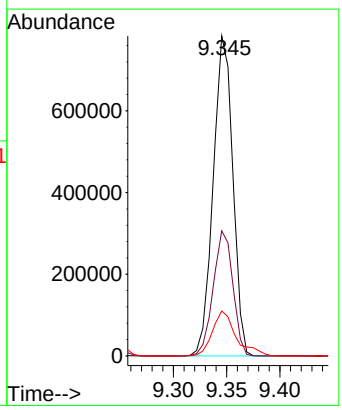


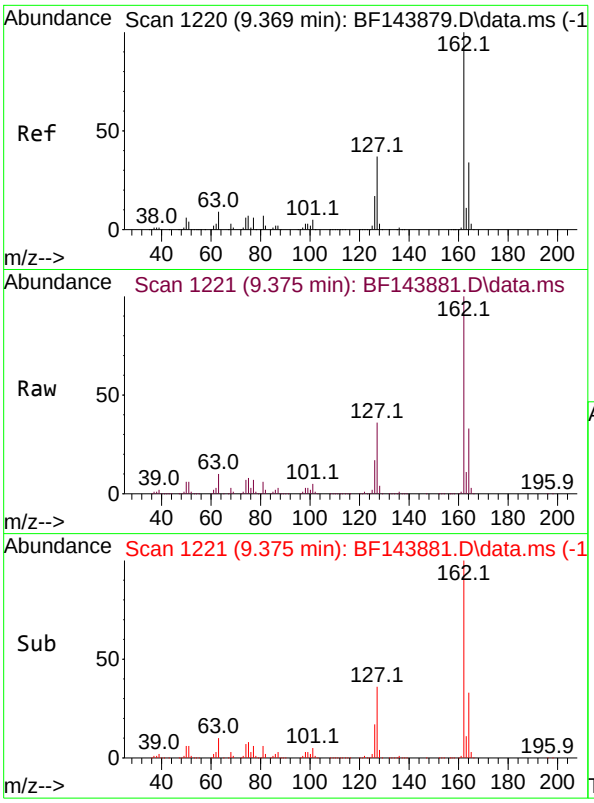


#46
1,1'-Biphenyl
Concen: 53.040 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:154 Resp: 1004440

Ion	Ratio	Lower	Upper
154	100		
153	39.1	18.4	58.4
76	14.0	0.0	34.0



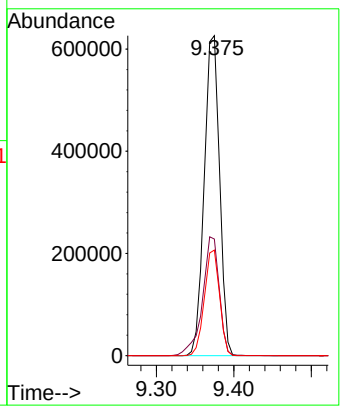


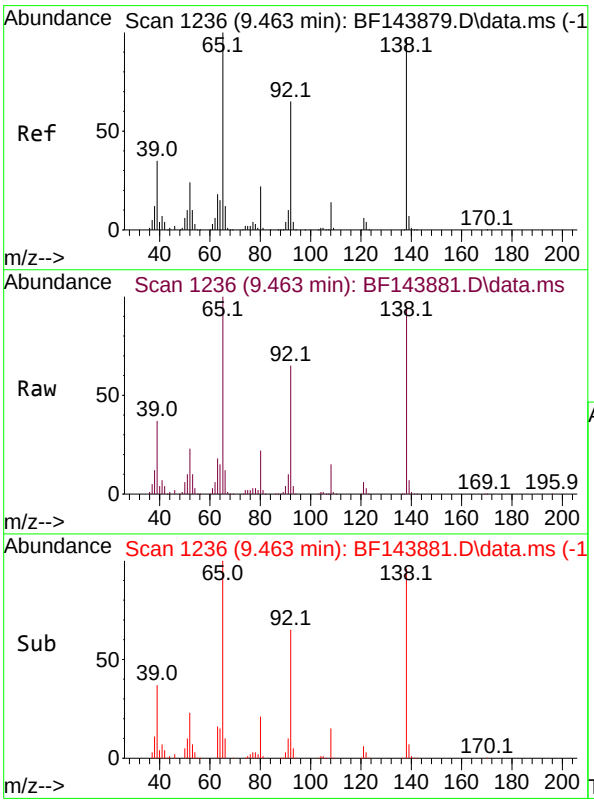
#47
2-Chloronaphthalene
Concen: 54.531 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 860999

Ion	Ratio	Lower	Upper
162	100		
127	36.4	30.2	45.2
164	33.0	26.9	40.3

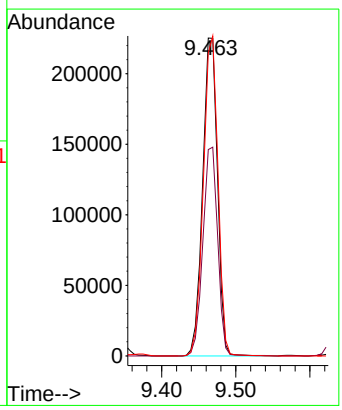


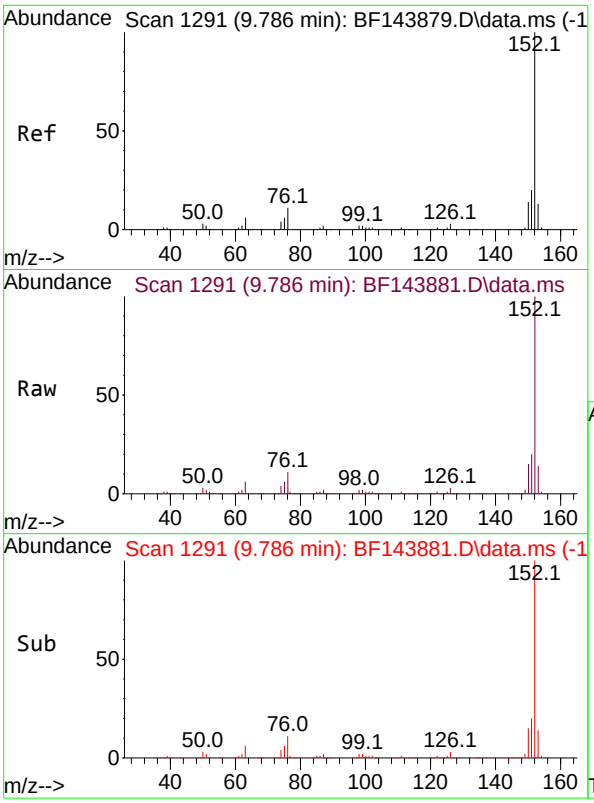


#48
2-Nitroaniline
Concen: 62.679 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion: 65 Resp: 312884

Ion	Ratio	Lower	Upper
65	100		
92	64.9	52.1	78.1
138	95.3	77.4	116.2



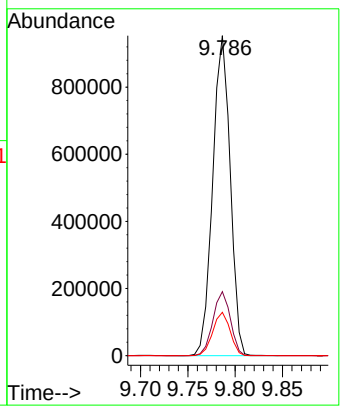


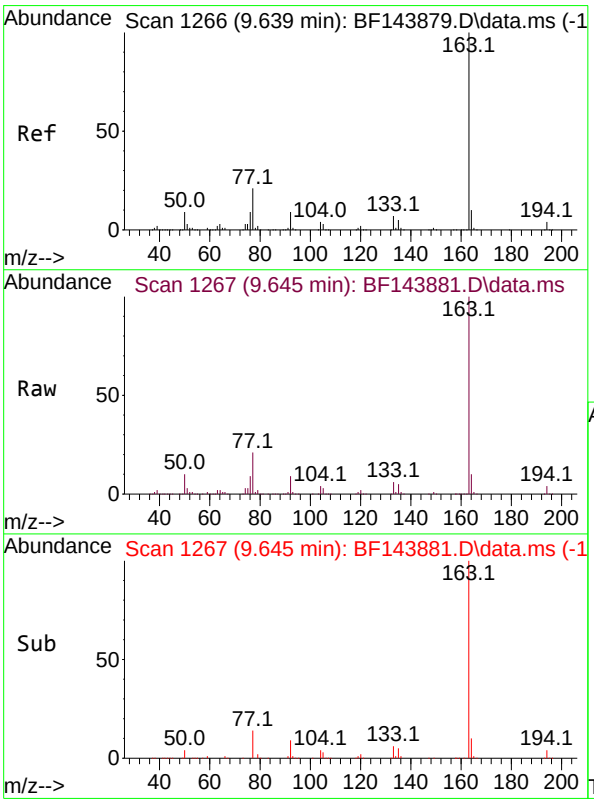
#49
Acenaphthylene
Concen: 55.140 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1223951

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.5	10.5	15.7

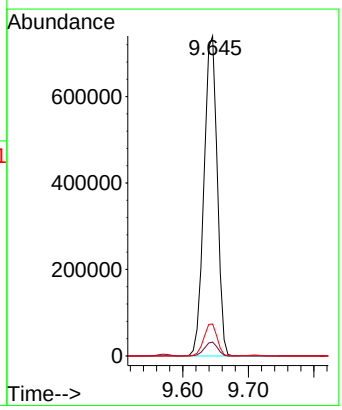


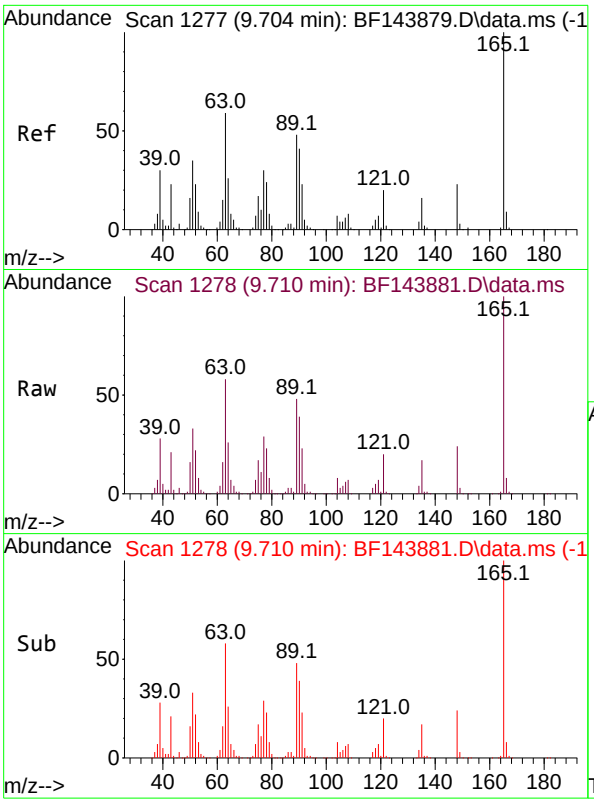


#50
Dimethylphthalate
Concen: 56.783 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:163 Resp: 1031391

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.1	12.1



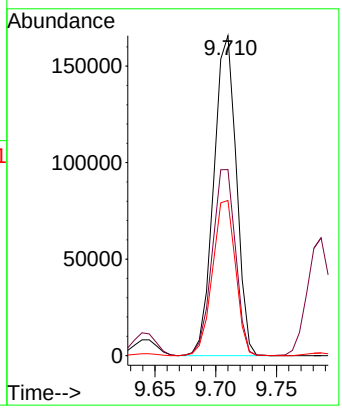


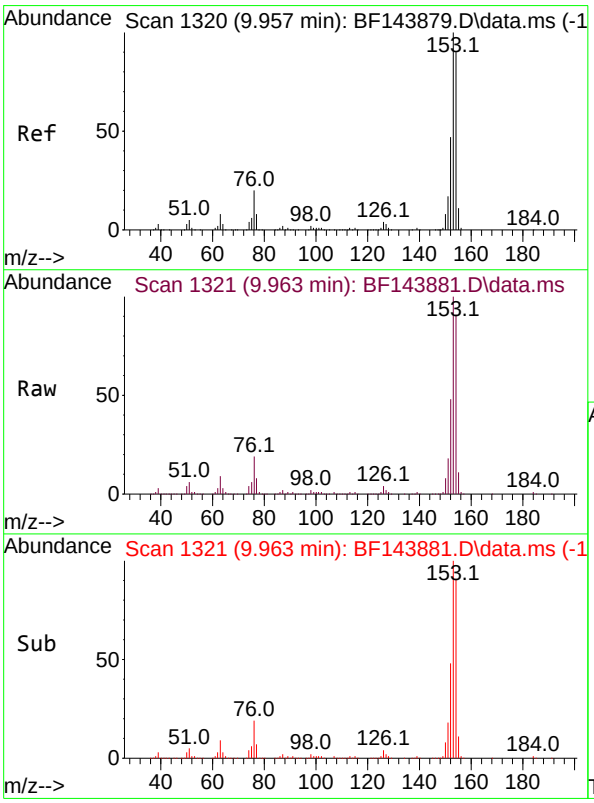
#51
2,6-Dinitrotoluene
Concen: 63.587 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 214169

Ion	Ratio	Lower	Upper
165	100		
63	58.1	47.3	70.9
89	48.5	38.2	57.4

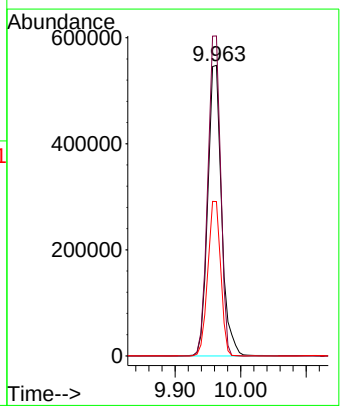


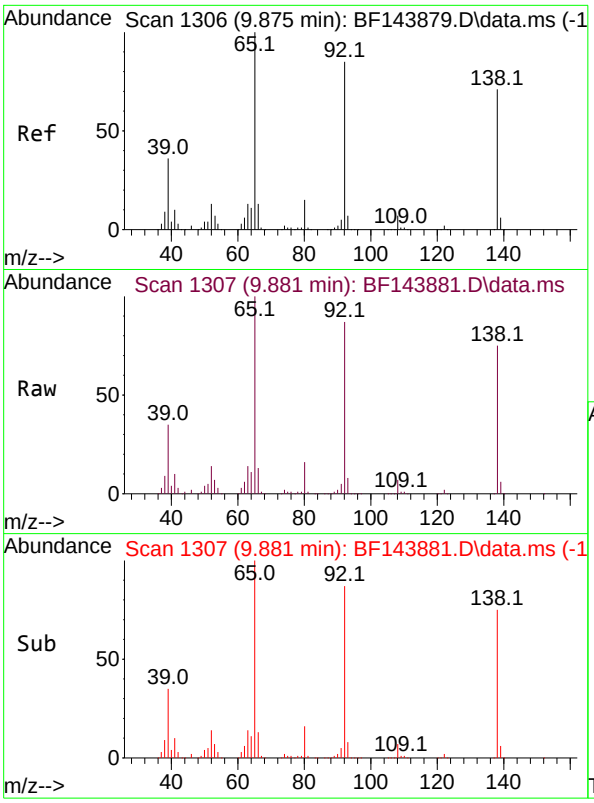


#52
Acenaphthene
Concen: 55.124 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:154 Resp: 801773

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.3	133.9
152	53.1	42.2	63.2



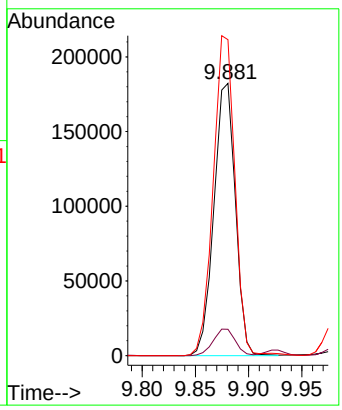


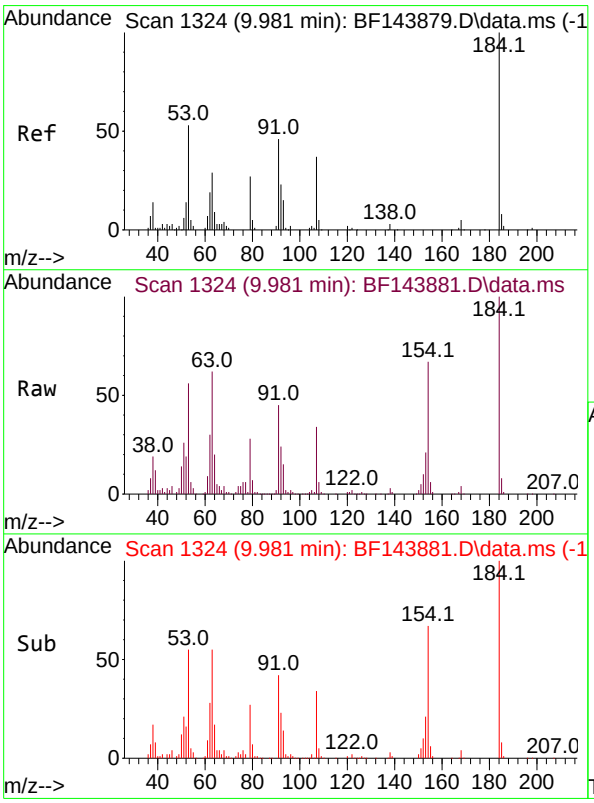
#53
3-Nitroaniline
Concen: 62.070 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 255984

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.3	12.5
92	116.1	96.2	144.2

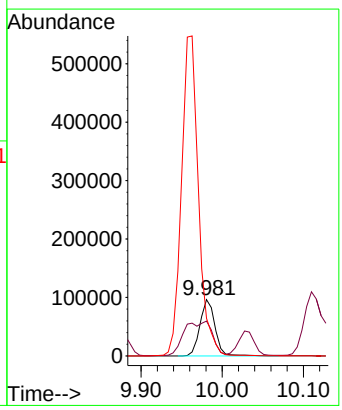


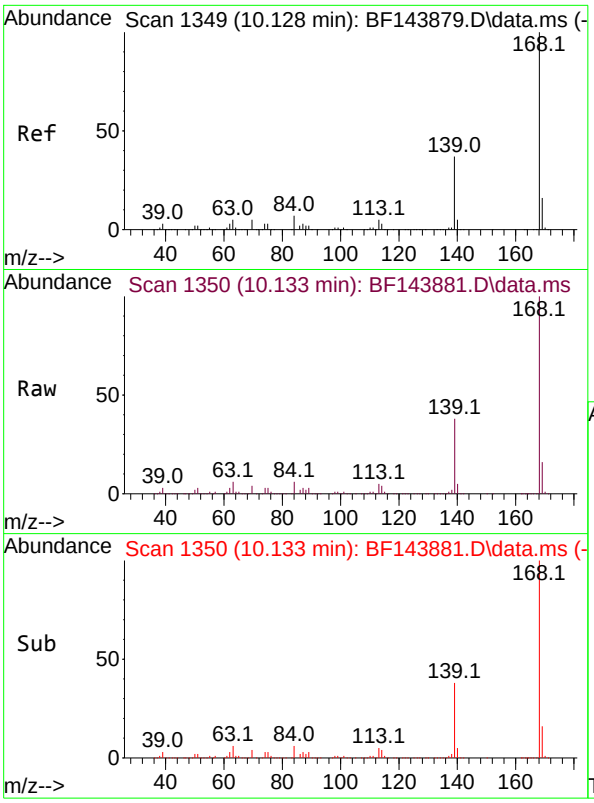


#54
2,4-Dinitrophenol
Concen: 61.138 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:184 Resp: 123295

Ion	Ratio	Lower	Upper
184	100		
63	61.8	48.2	72.4
154	66.8	49.2	73.8



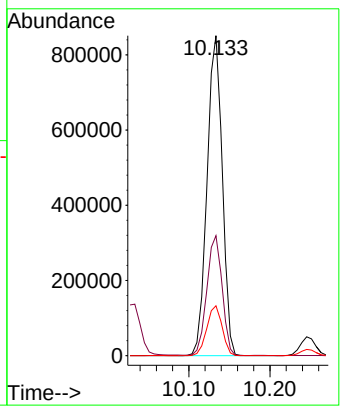


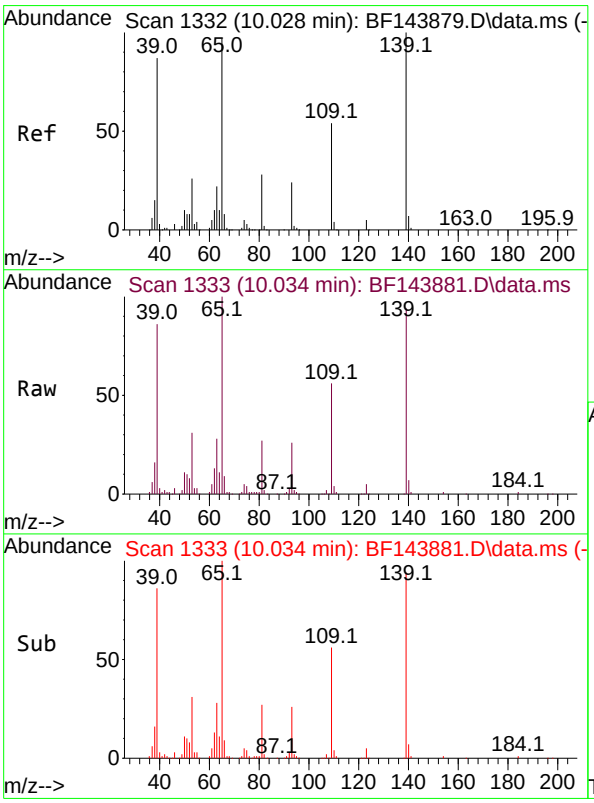
#55
Dibenzofuran
Concen: 54.120 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1111183

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.8	44.8
169	15.6	12.8	19.2

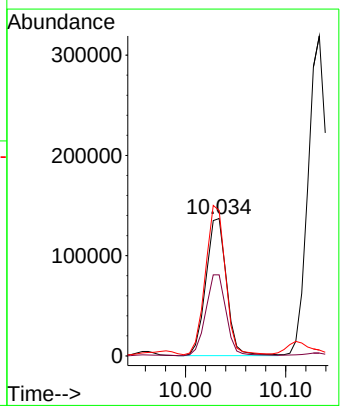


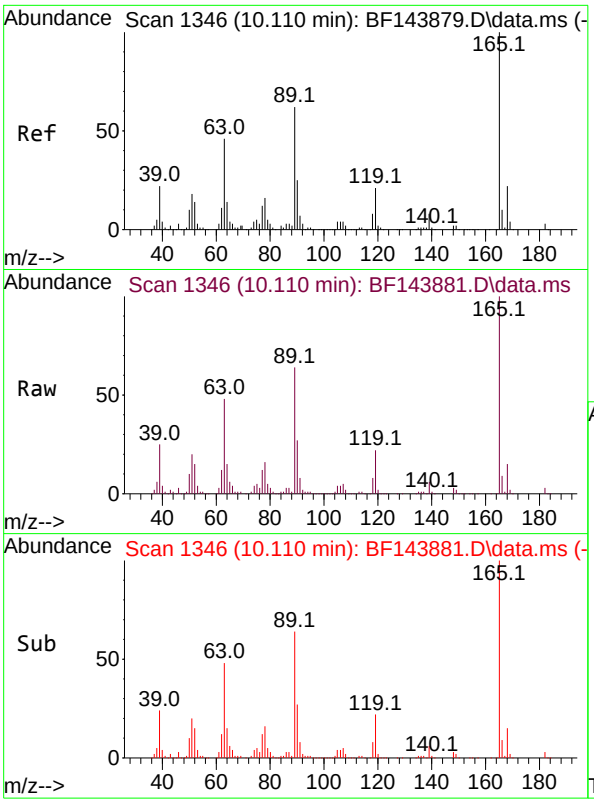


#56
4-Nitrophenol
Concen: 62.550 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:139 Resp: 195321

Ion	Ratio	Lower	Upper
139	100		
109	59.0	34.5	74.5
65	105.8	77.6	117.6



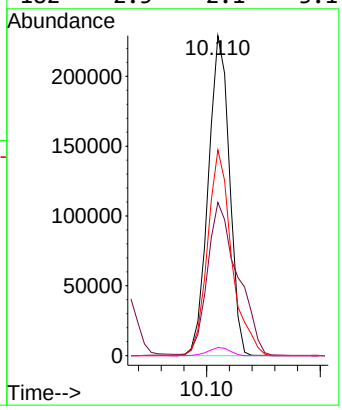


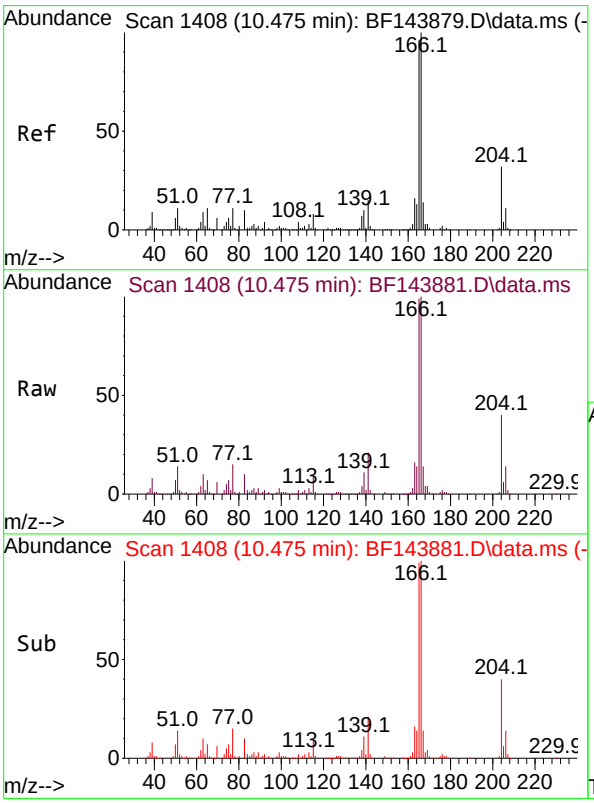
#57
2,4-Dinitrotoluene
Concen: 64.812 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 297018

Ion	Ratio	Lower	Upper
165	100		
63	47.9	37.2	55.8
89	64.3	49.4	74.2
182	2.5	2.1	3.1

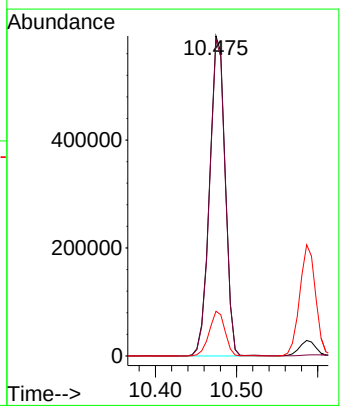


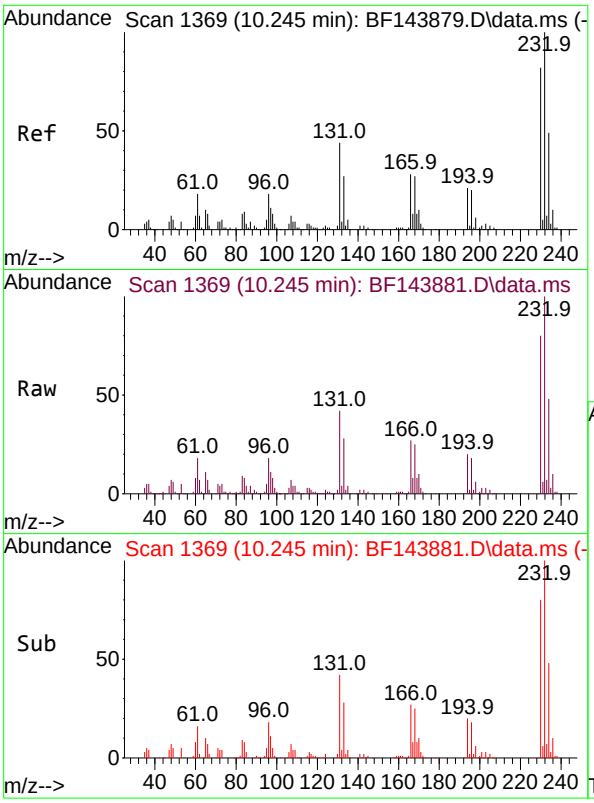


#58
Fluorene
Concen: 51.090 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:166 Resp: 791518

Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.0	115.6
167	13.9	11.1	16.7



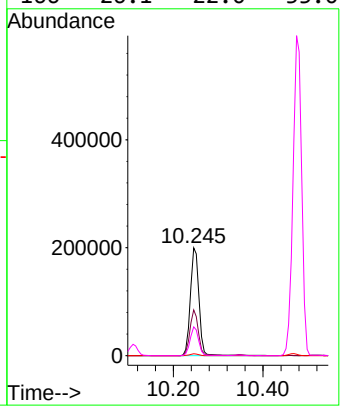


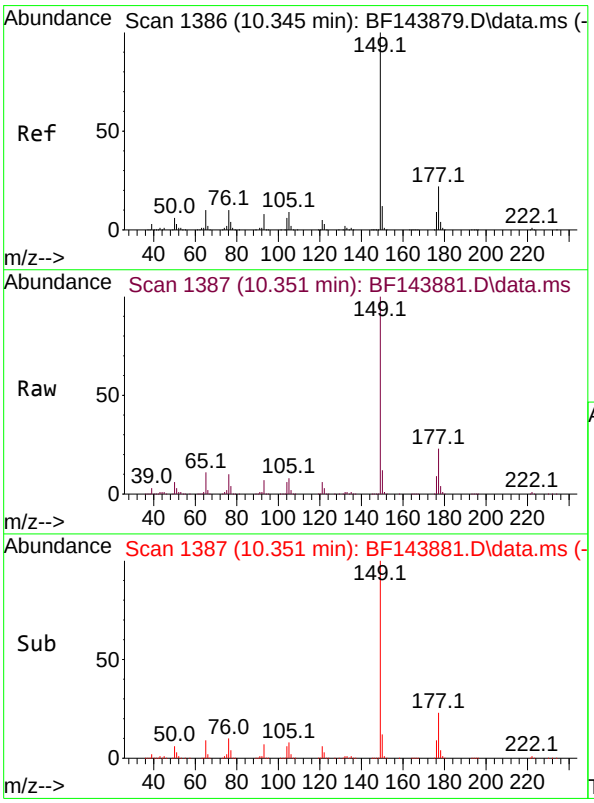
#59
2,3,4,6-Tetrachlorophenol
Concen: 61.283 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 264796

Ion	Ratio	Lower	Upper
232	100		
131	41.1	34.9	52.3
130	1.6	1.6	2.4#
166	26.1	22.0	33.0

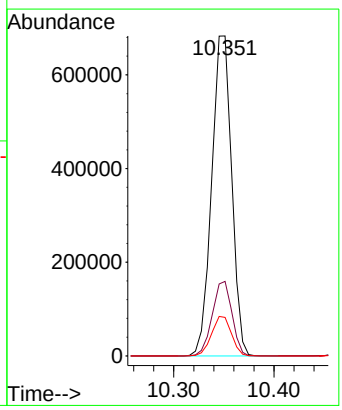


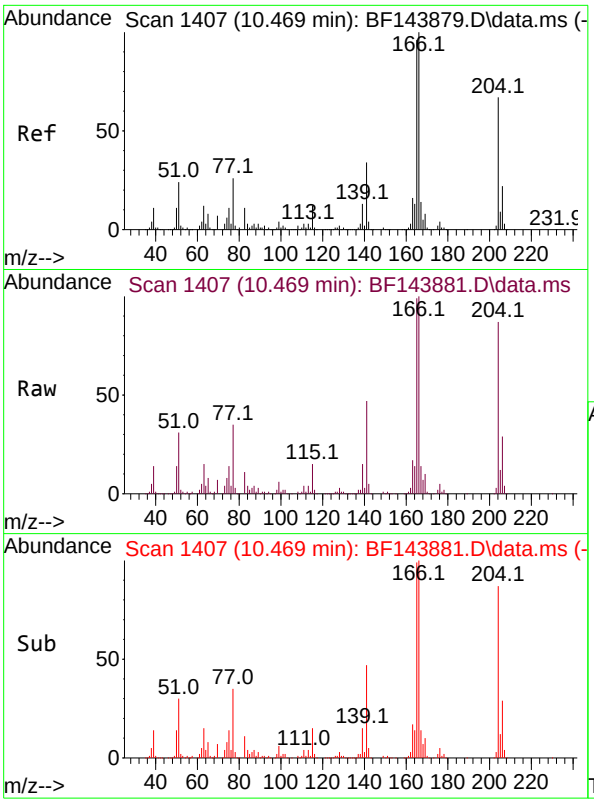


#60
Diethylphthalate
Concen: 56.214 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 948580

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.9	26.9
150	12.0	9.8	14.8



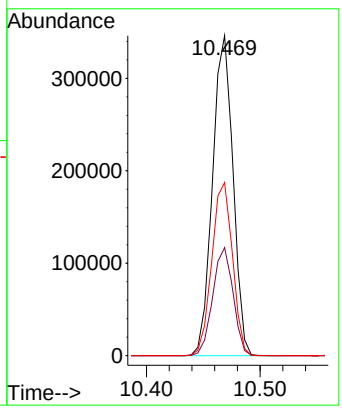


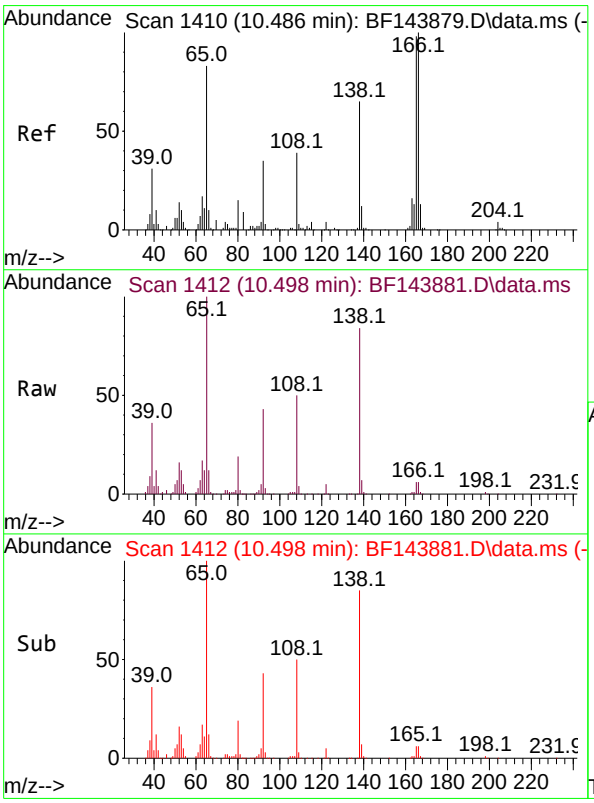
#61
4-Chlorophenyl-phenylether
Concen: 52.905 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 433339

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.6	40.0
141	54.1	40.4	60.6

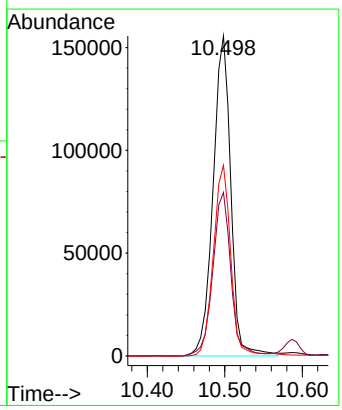


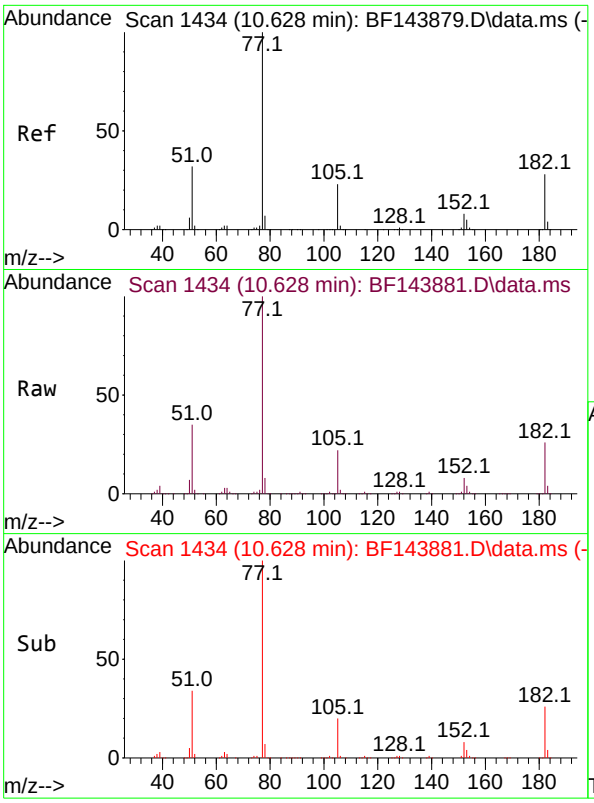


#62
4-Nitroaniline
Concen: 62.288 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:138 Resp: 247024

Ion	Ratio	Lower	Upper
138	100		
92	51.1	33.9	73.9
108	59.6	40.2	80.2



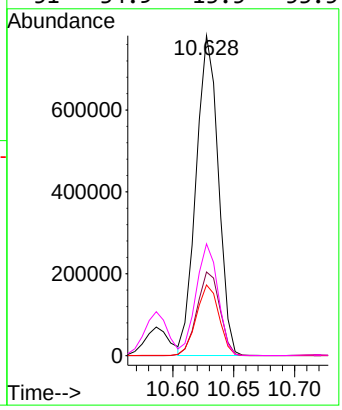


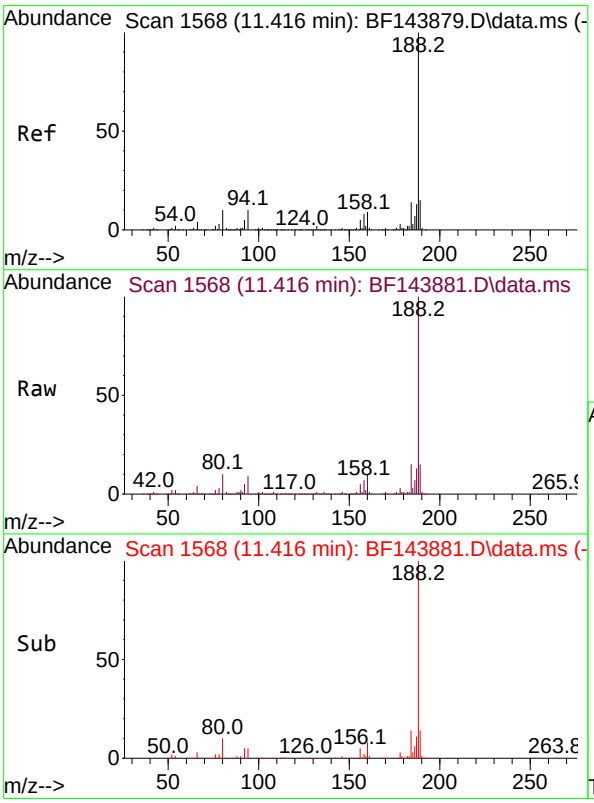
#63
Azobenzene
Concen: 56.252 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 992054

Ion	Ratio	Lower	Upper
77	100		
182	26.1	7.3	47.3
105	22.1	3.0	43.0
51	34.9	13.5	53.5

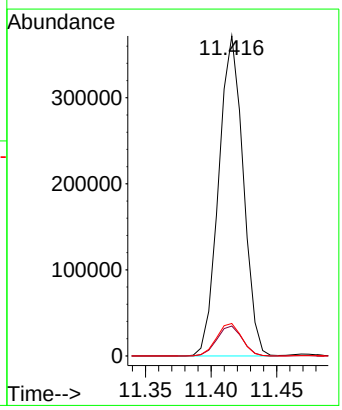


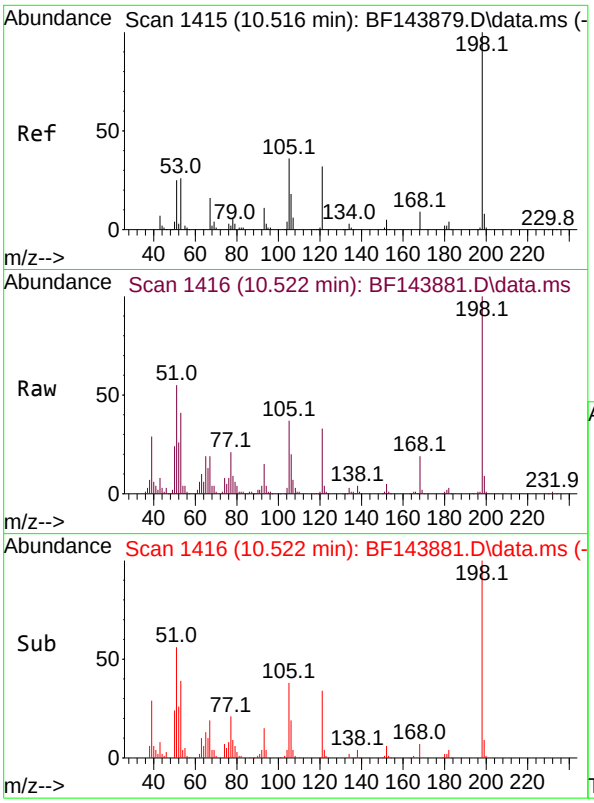


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:188 Resp: 485489

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.8	11.6
80	10.1	7.9	11.9



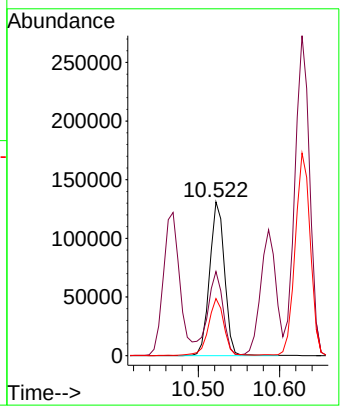


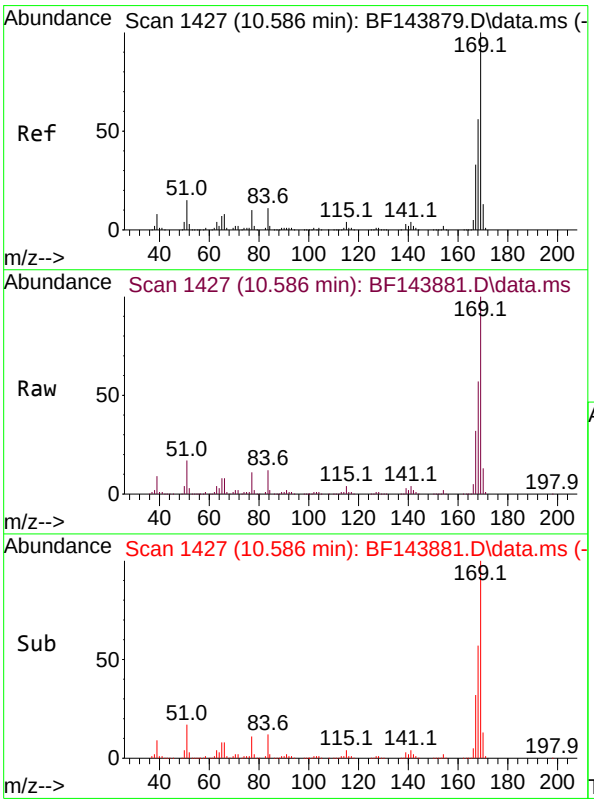
#65
4,6-Dinitro-2-methylphenol
Concen: 68.344 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 166740

Ion	Ratio	Lower	Upper
198	100		
51	54.7	33.8	73.8
105	37.2	17.0	57.0

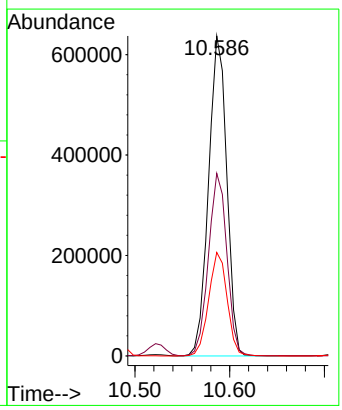


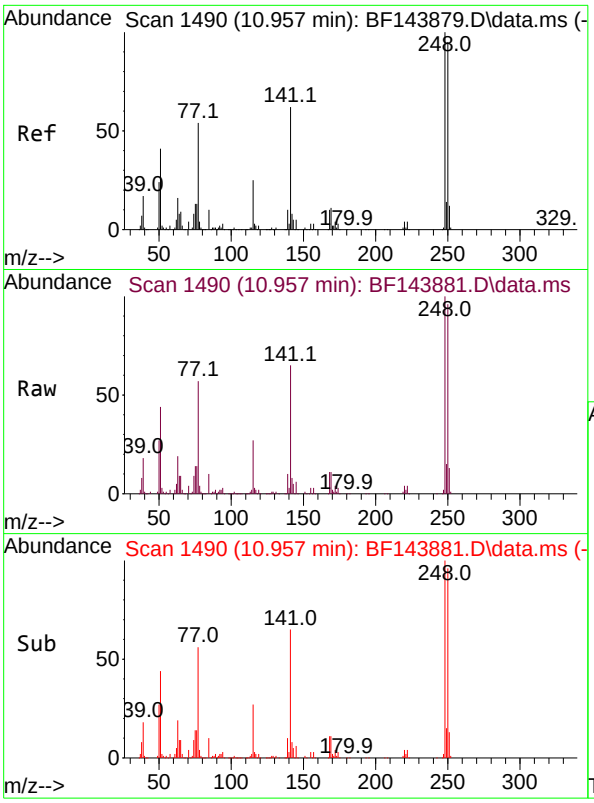


#66
n-Nitrosodiphenylamine
Concen: 55.797 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:169 Resp: 850570

Ion	Ratio	Lower	Upper
169	100		
168	57.0	44.9	67.3
167	32.3	26.3	39.5



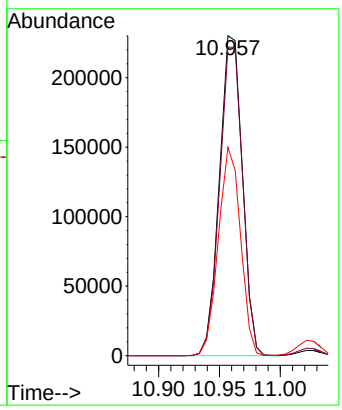


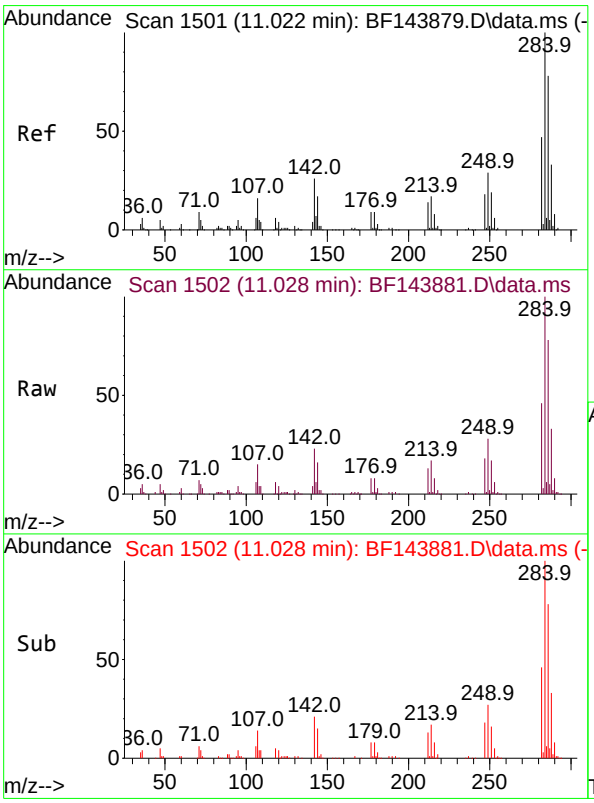
#67
4-Bromophenyl-phenylether
Concen: 56.317 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 302165

Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.3	114.5
141	65.1	49.7	74.5

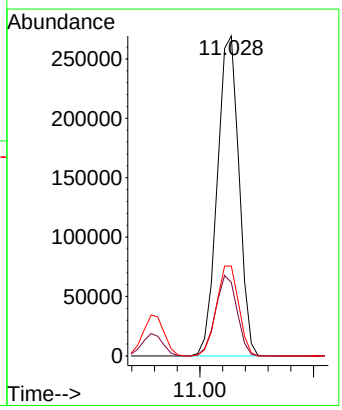


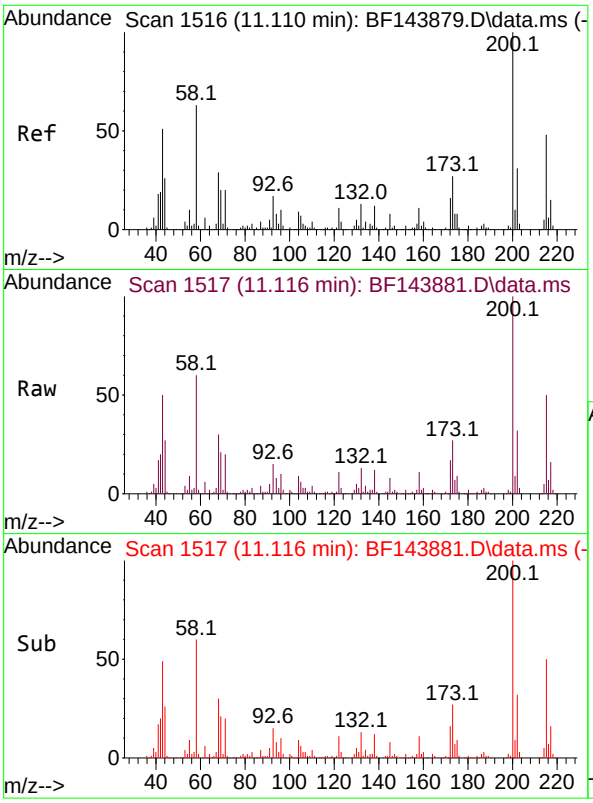


#68
Hexachlorobenzene
Concen: 57.378 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:284 Resp: 356406

Ion	Ratio	Lower	Upper
284	100		
142	22.9	20.6	30.8
249	28.1	23.2	34.8



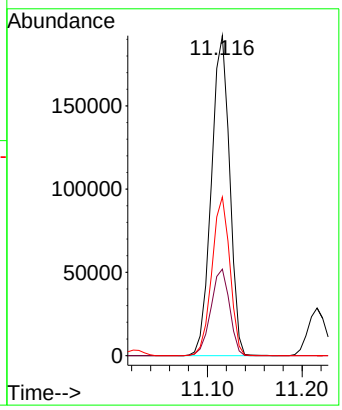


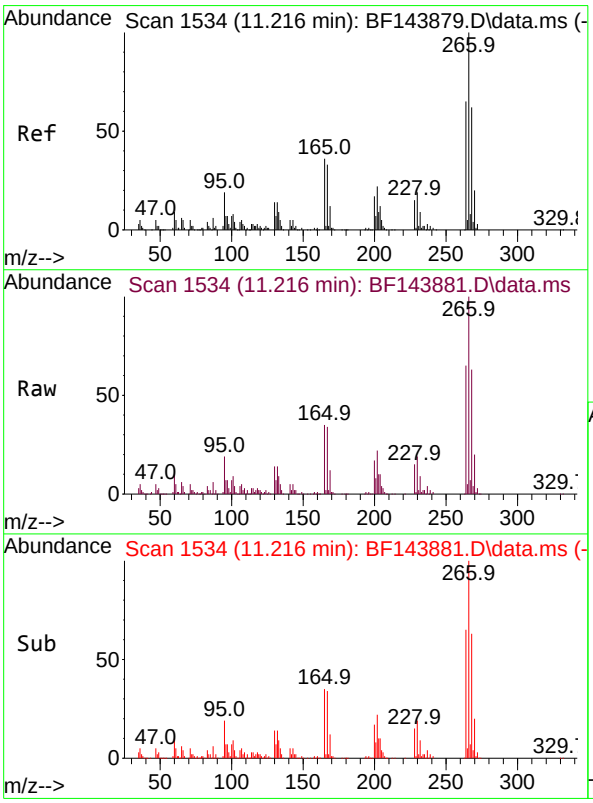
#69
Atrazine
Concen: 55.713 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 257412

Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.0	47.0
215	49.6	27.8	67.8

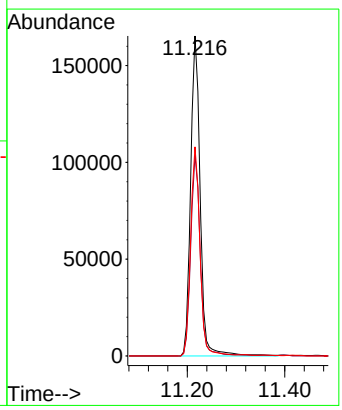


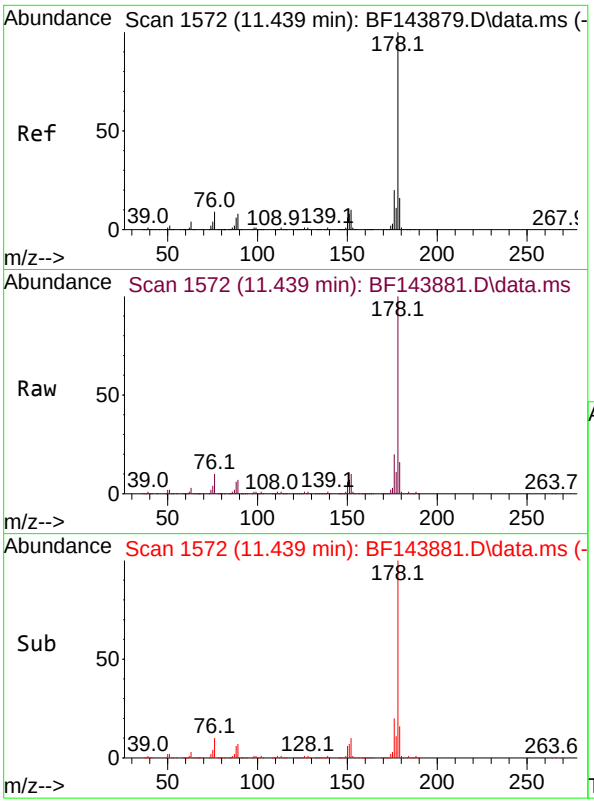


#70
Pentachlorophenol
Concen: 62.792 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:266 Resp: 224011

Ion	Ratio	Lower	Upper
266	100		
268	62.7	49.4	74.0
264	65.3	51.8	77.6



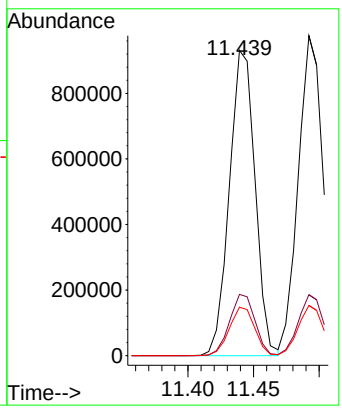


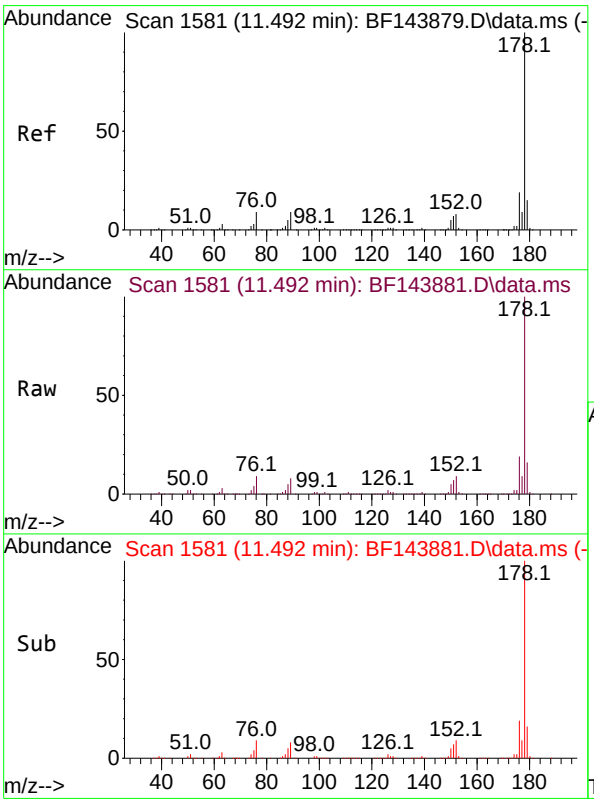
#71
Phenanthrene
Concen: 53.961 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1270063

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.9	12.4	18.6

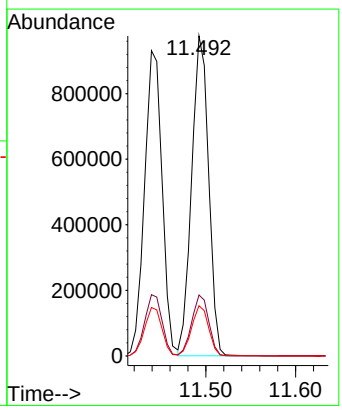


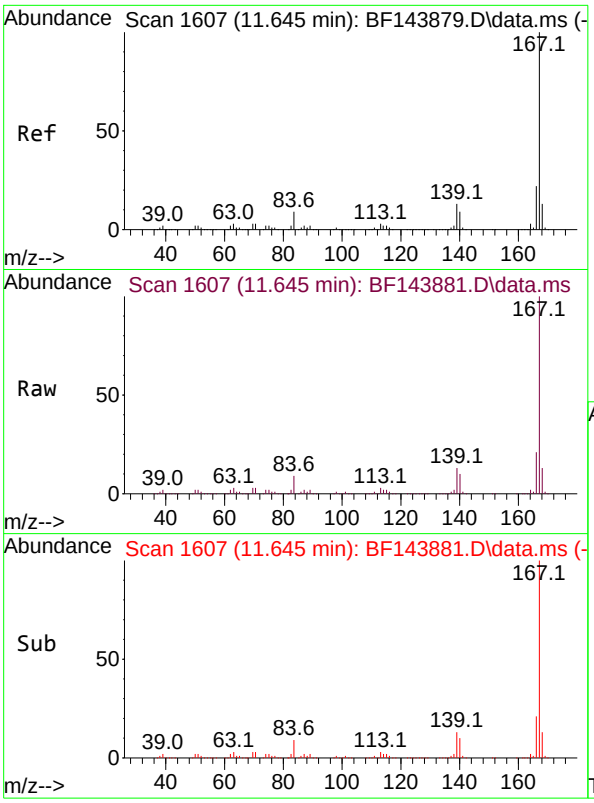


#72
Anthracene
Concen: 53.956 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:178 Resp: 1282940

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.2	18.2



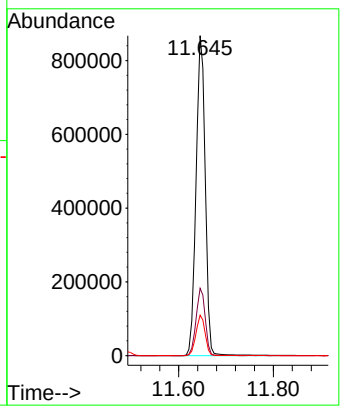


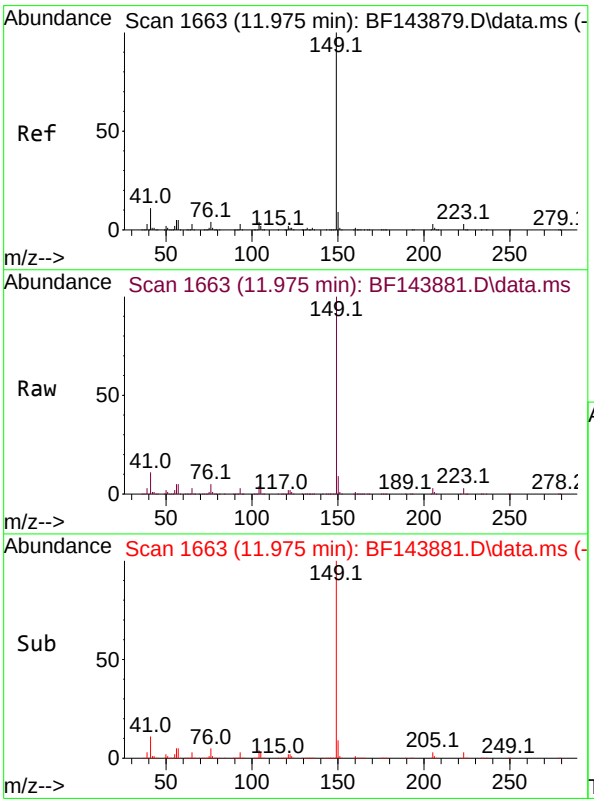
#73
Carbazole
Concen: 55.592 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1170717

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.6	10.1	15.1

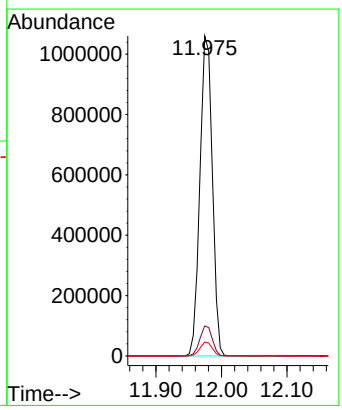


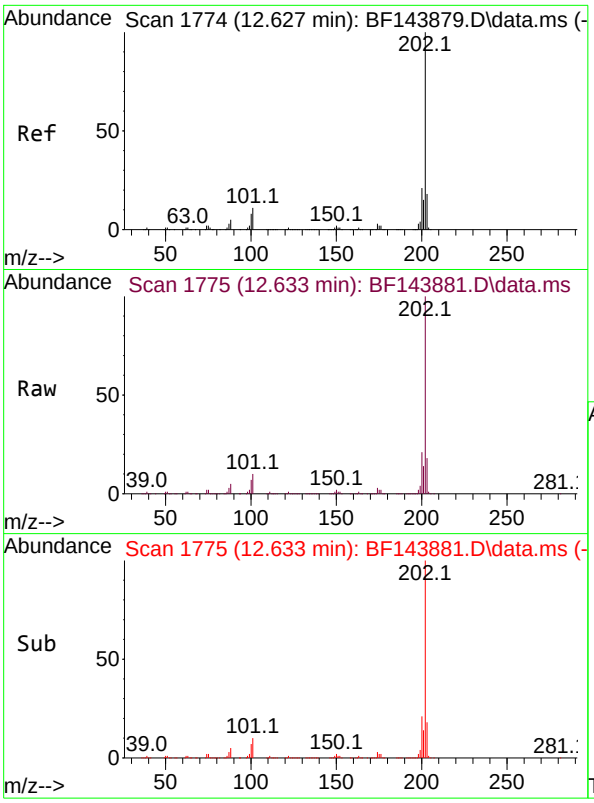


#74
Di-n-butylphthalate
Concen: 56.934 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 1389569

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.3	3.4	5.2



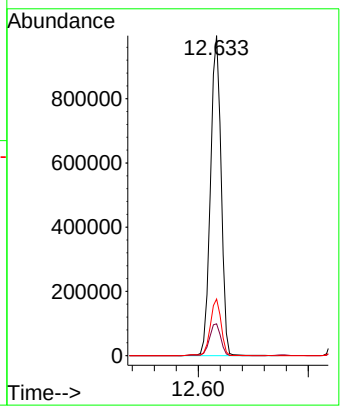


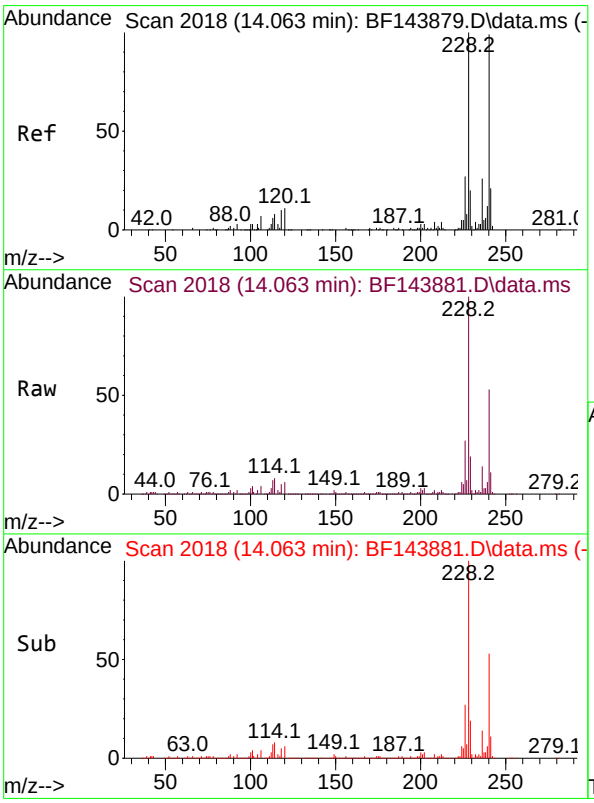
#75
Fluoranthene
Concen: 54.530 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1325716

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.7
203	17.7	0.0	37.8

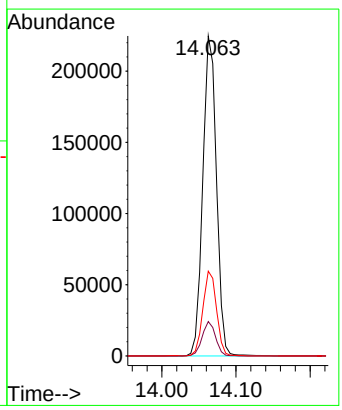


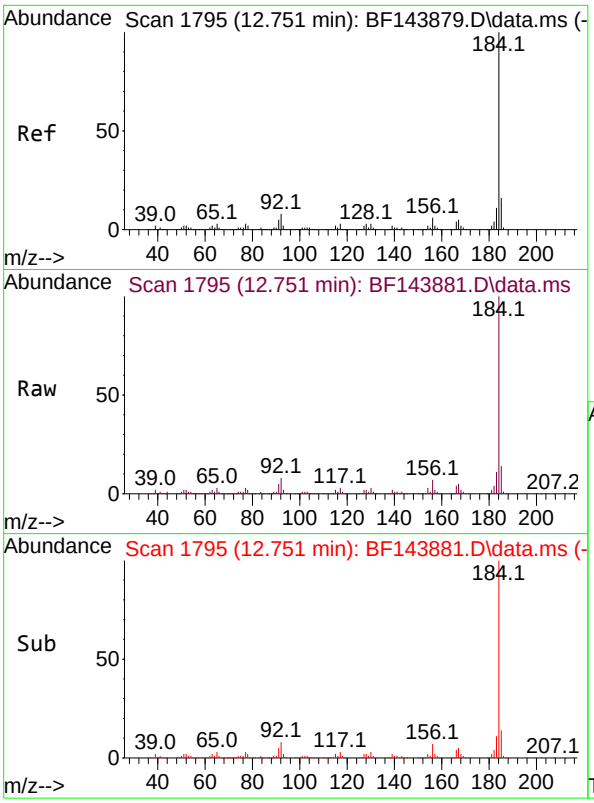


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:240 Resp: 287097

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.6	13.0
236	26.5	21.1	31.7



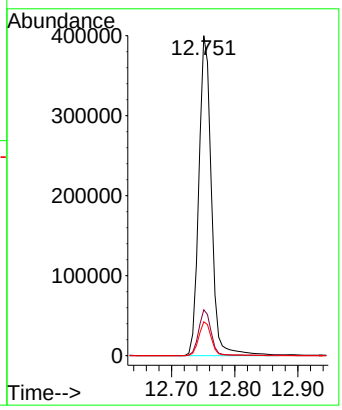


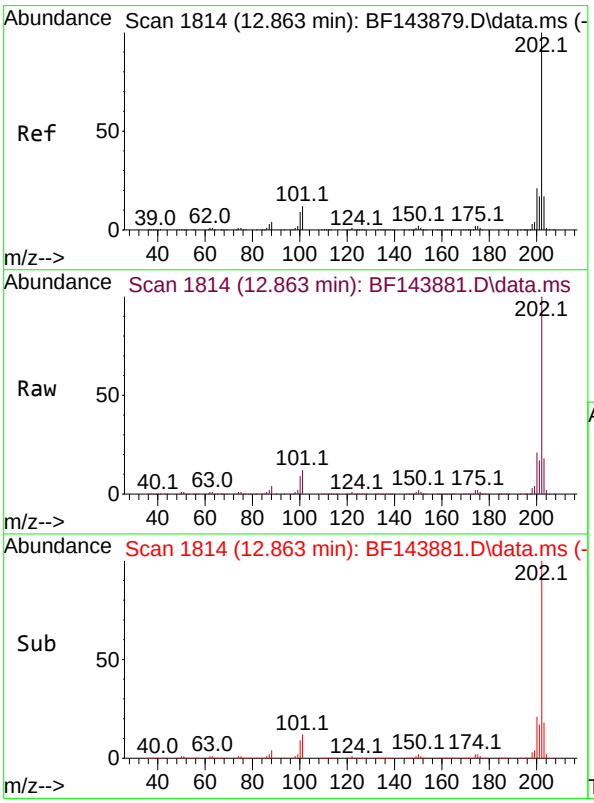
#77
Benzidine
Concen: 55.312 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 551394

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.6	18.8
183	10.6	8.8	13.2

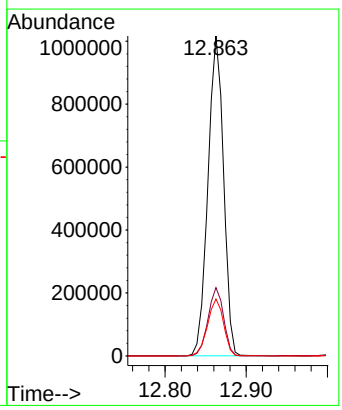


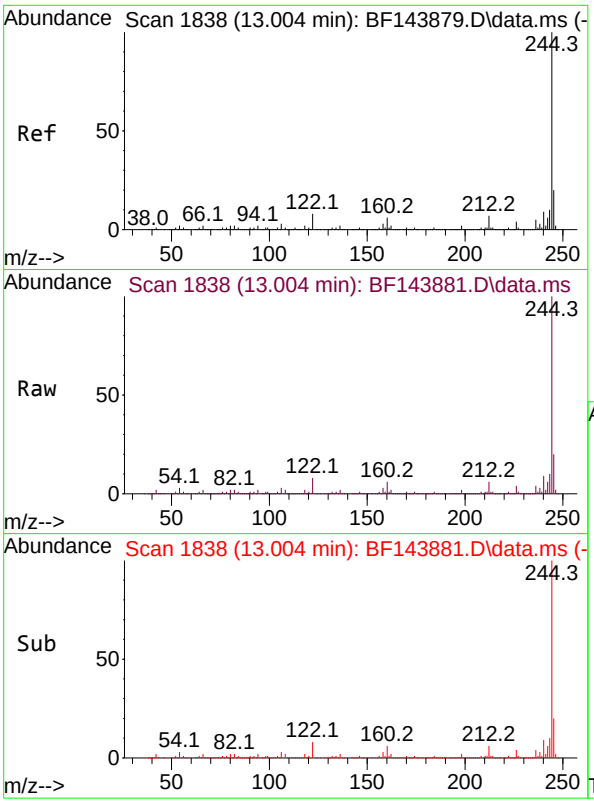


#78
Pyrene
Concen: 56.800 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:202 Resp: 1359513

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.8	13.8	20.6



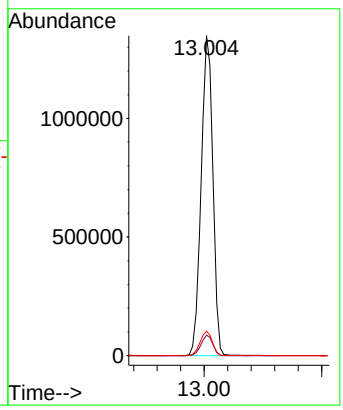


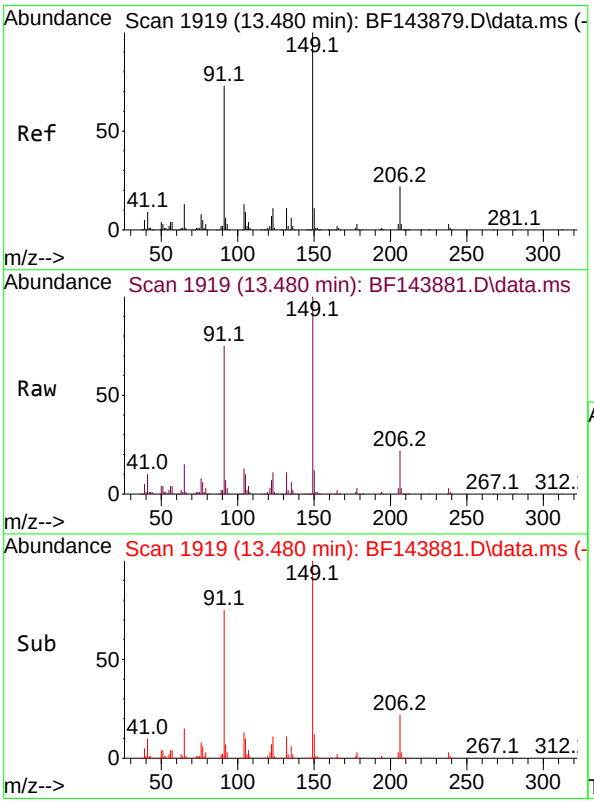
#79
Terphenyl-d14
Concen: 110.799 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1861234

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.6	6.4	9.6

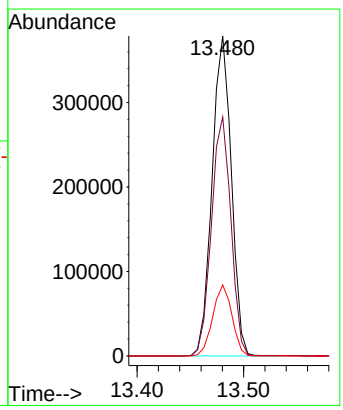


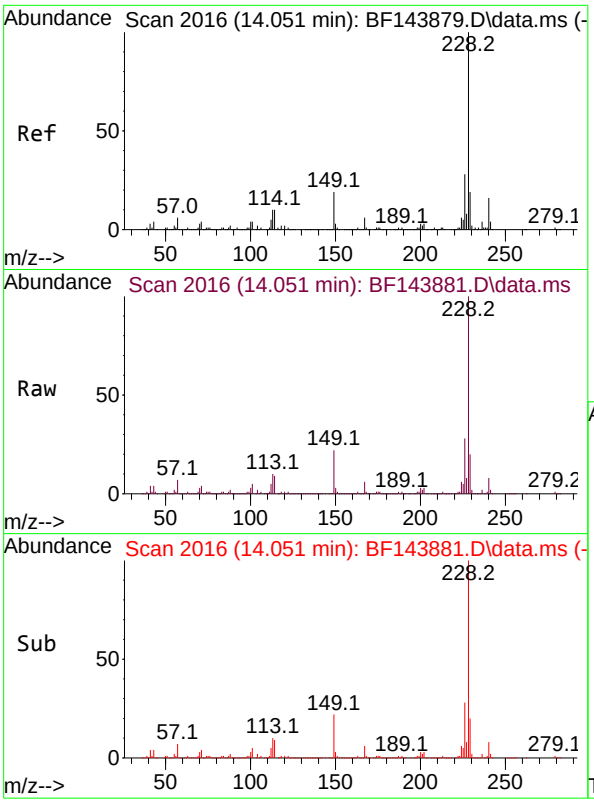


#80
Butylbenzylphthalate
Concen: 61.293 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 476448

Ion	Ratio	Lower	Upper
149	100		
91	74.7	58.2	87.2
206	22.2	17.9	26.9



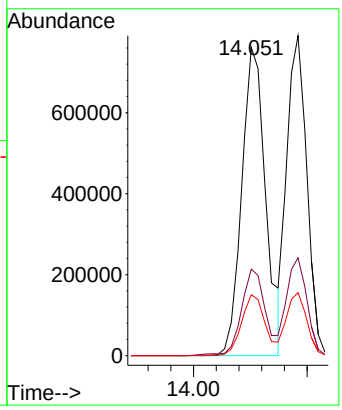


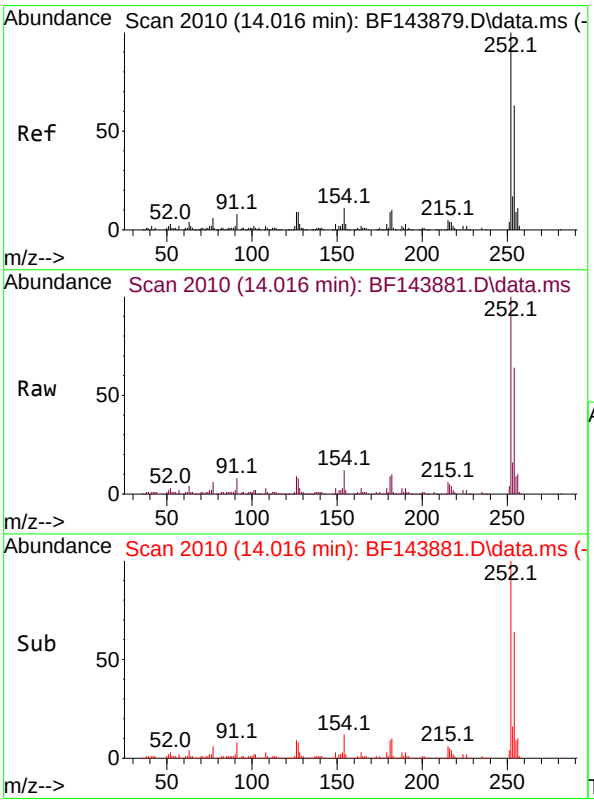
#81
Benzo(a)anthracene
Concen: 59.168 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1111626

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	19.8	15.6	23.4

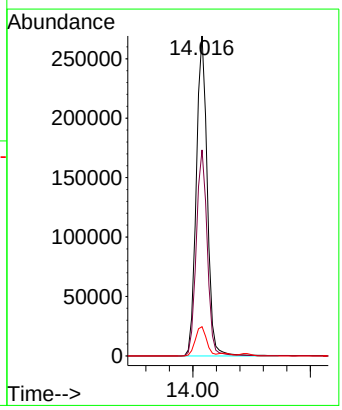


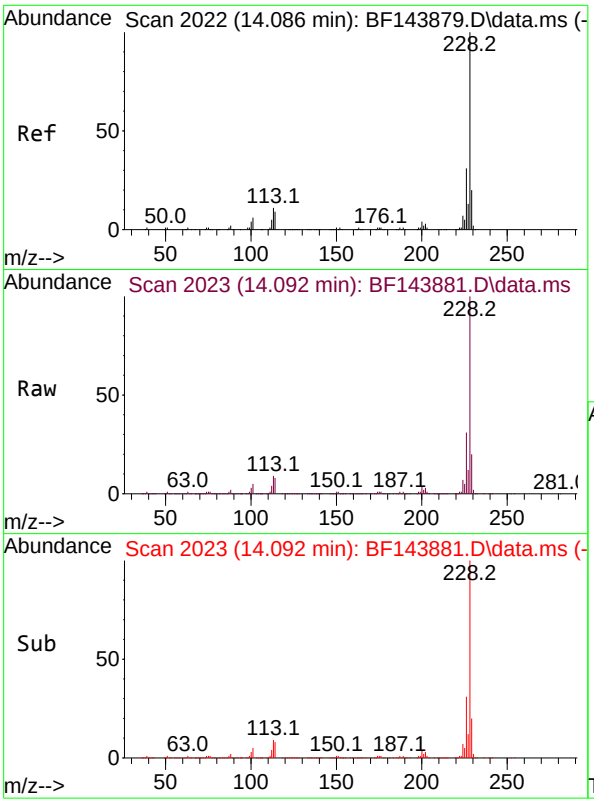


#82
3,3'-Dichlorobenzidine
Concen: 60.756 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:252 Resp: 347863

Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.6	76.0
126	9.1	7.0	10.6



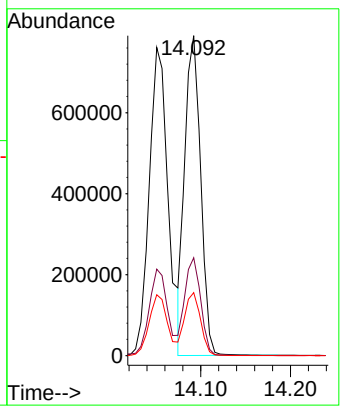


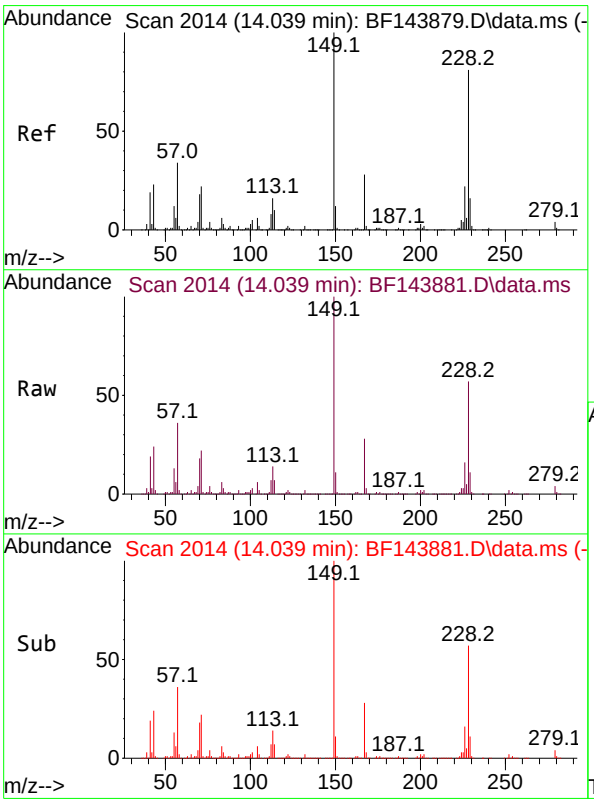
#83
Chrysene
Concen: 55.770 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 969765

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.4	36.6
229	19.7	15.9	23.9

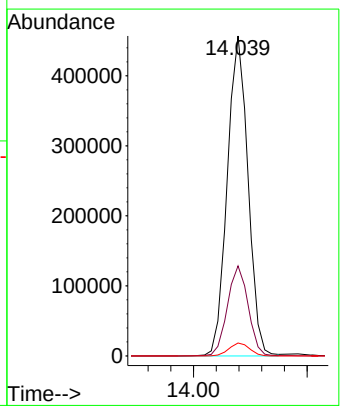


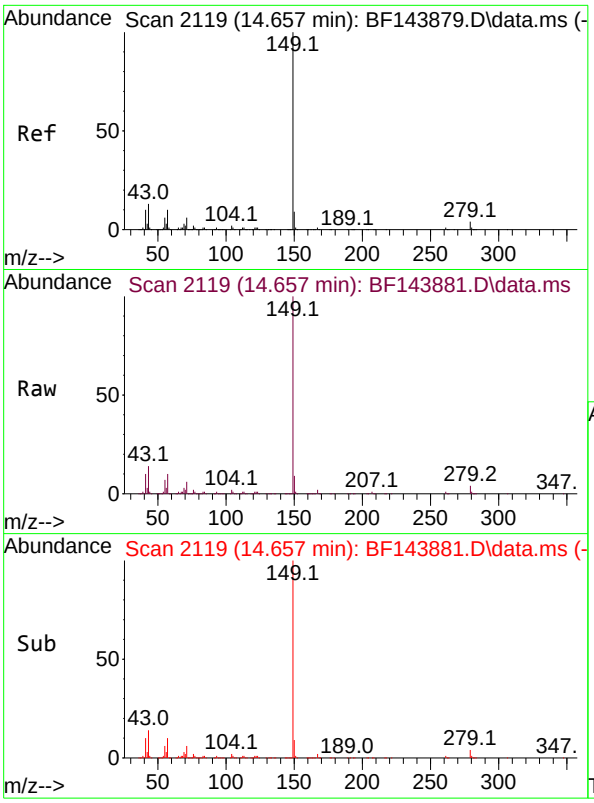


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.804 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:149 Resp: 579121

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	4.0	3.1	4.7



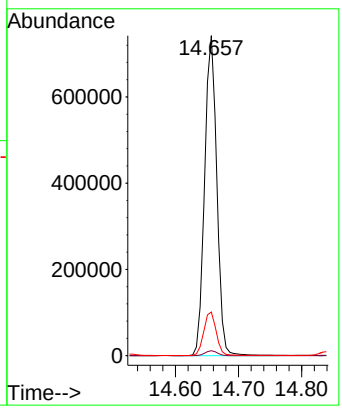


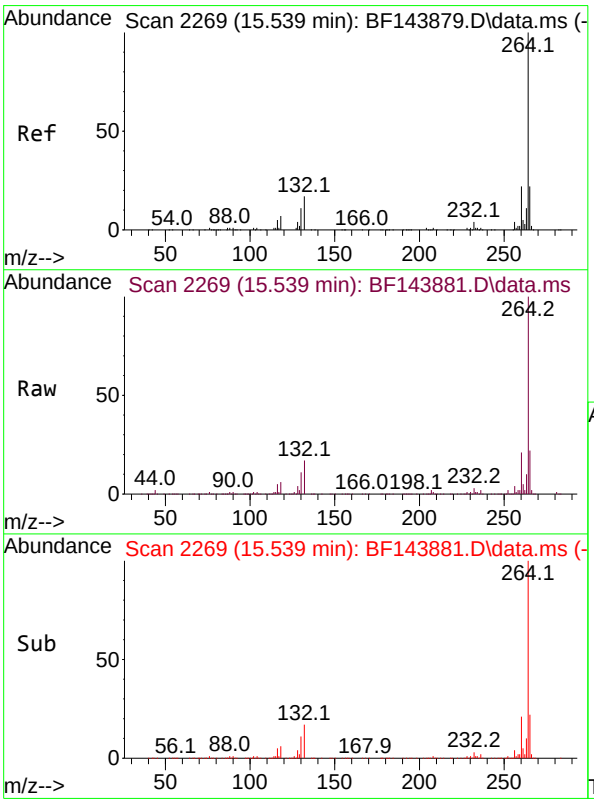
#85
Di-n-octyl phthalate
Concen: 64.431 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 991597

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.0	11.0	16.4

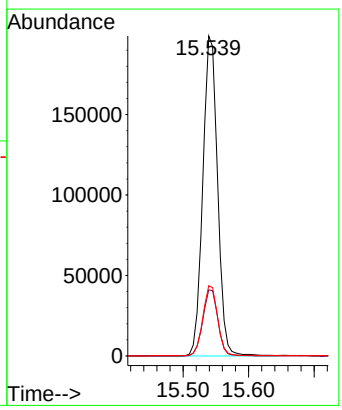


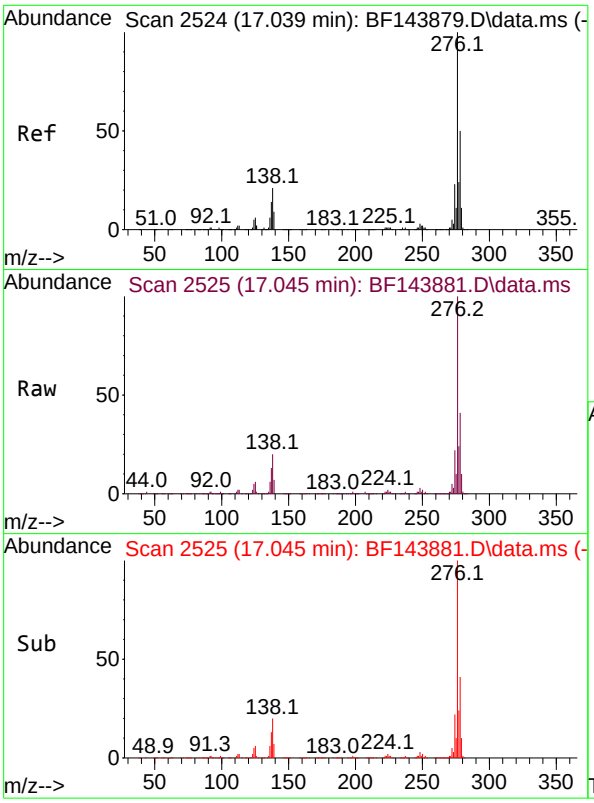


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:264 Resp: 309882

Ion	Ratio	Lower	Upper
264	100		
260	20.6	17.8	26.8
265	21.9	17.5	26.3



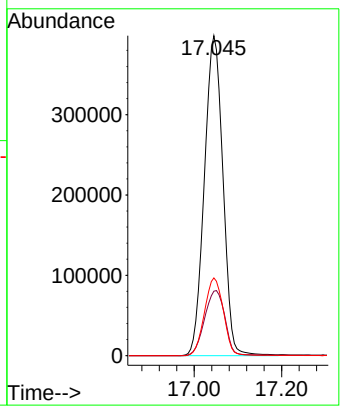


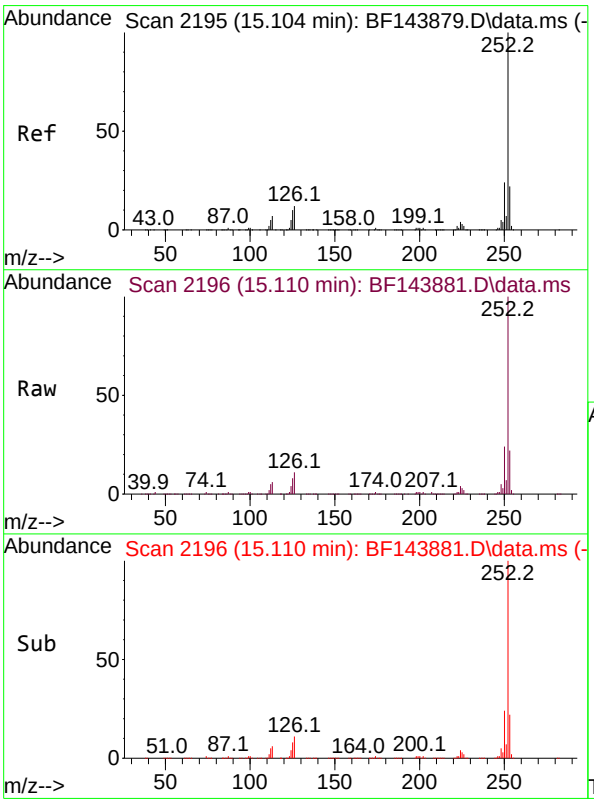
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.815 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1173726

Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.2	27.2
277	24.7	19.8	29.6

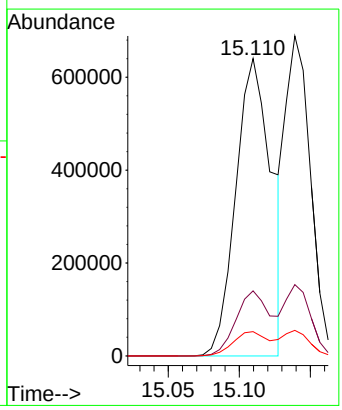


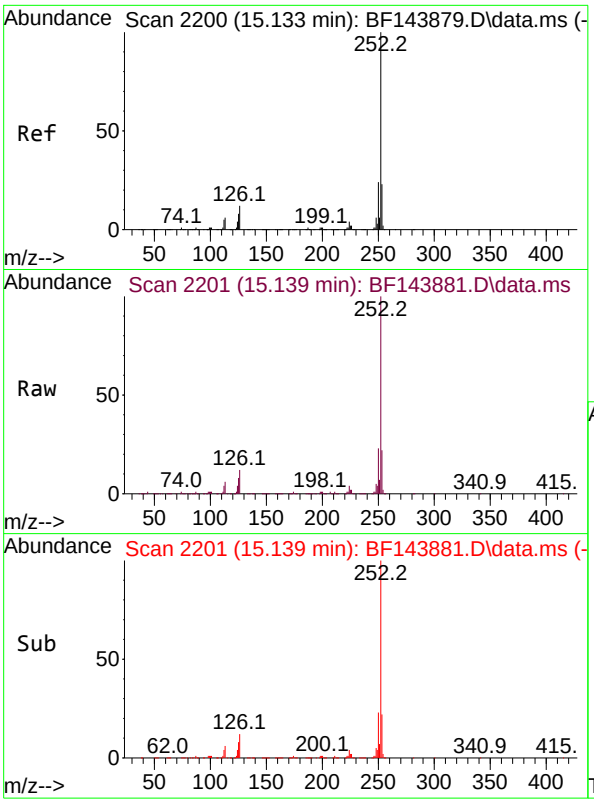


#88
Benzo(b)fluoranthene
Concen: 62.778 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:252 Resp: 1117484

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.2	7.8	11.6



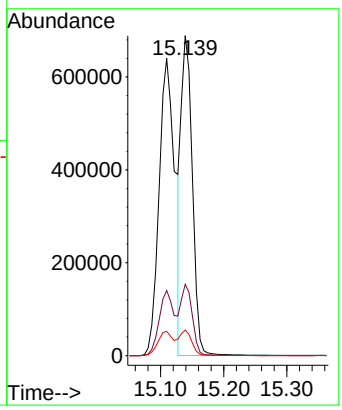


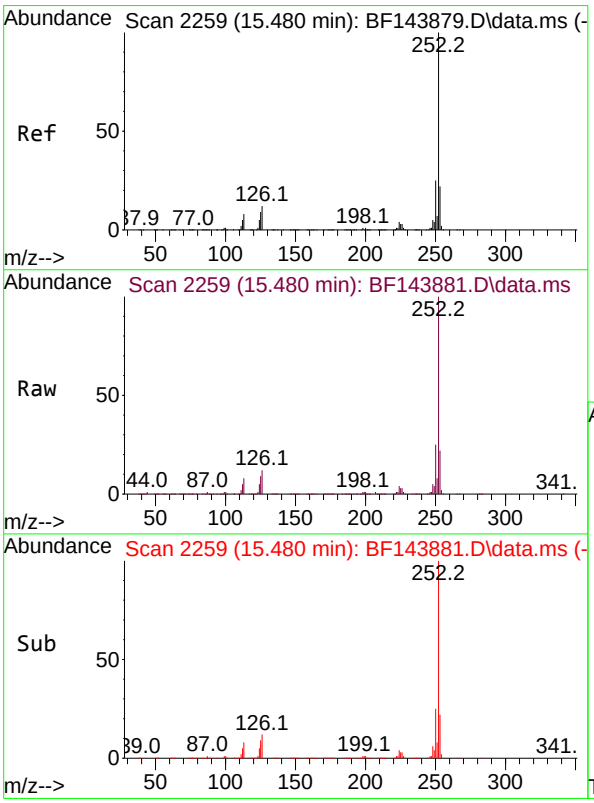
#89
Benzo(k)fluoranthene
Concen: 51.969 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 855988

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.0	7.4	11.2

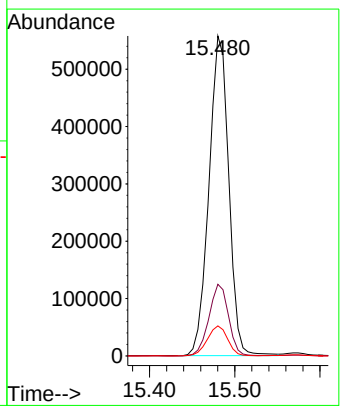


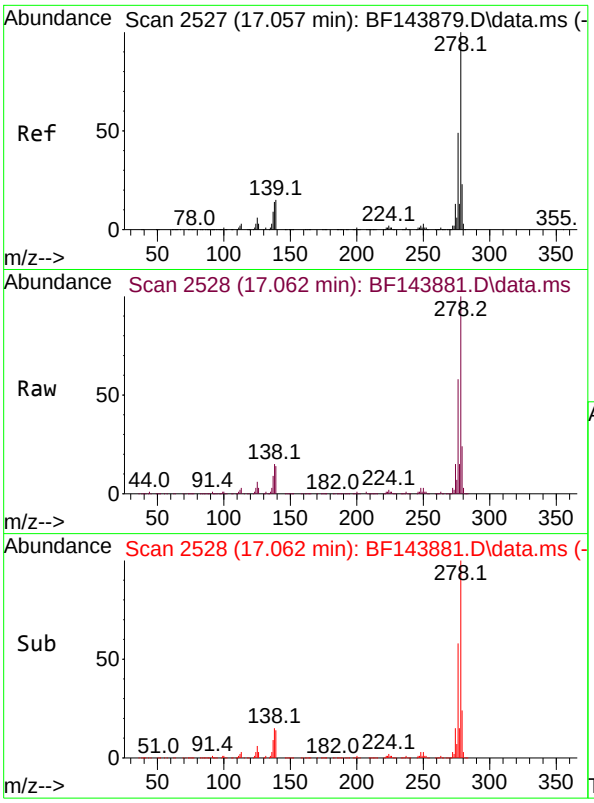


#90
Benzo(a)pyrene
Concen: 58.412 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:252 Resp: 901585

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	9.4	7.0	10.4



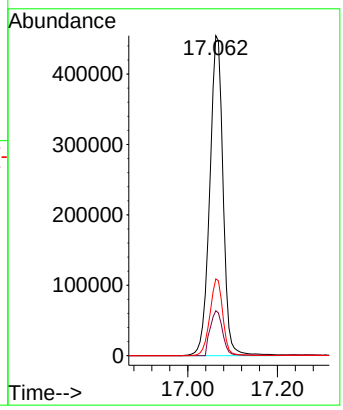


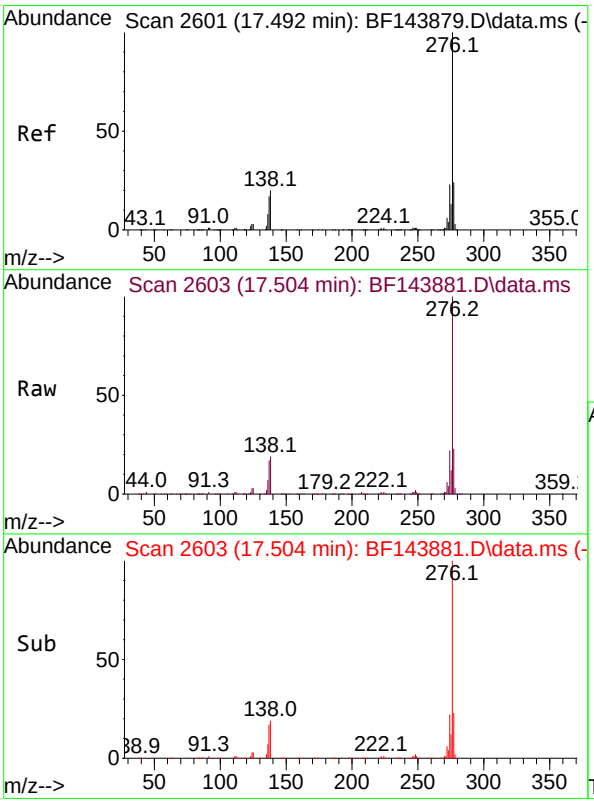
#91
Dibenzo(a,h)anthracene
Concen: 61.291 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 935987

Ion	Ratio	Lower	Upper
278	100		
139	14.0	11.7	17.5
279	24.0	18.4	27.6

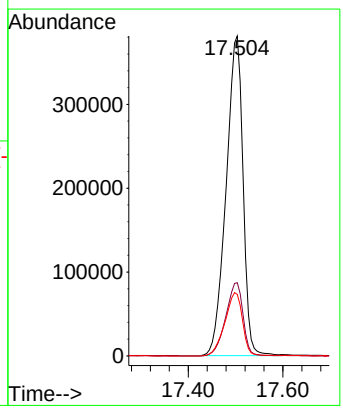




#92
Benzo(g,h,i)perylene
Concen: 61.976 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:276 Resp: 946452

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.6
138	19.2	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	153550	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	584564	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	320335	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	540366	20.000	ng		0.00
76) Chrysene-d12	14.068	240	302500	20.000	ng		0.00
86) Perylene-d12	15.545	264	357911	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1325806	137.113	ng		0.00
7) Phenol-d6	6.516	99	1617892	140.374	ng		0.00
23) Nitrobenzene-d5	7.457	82	1436124	149.259	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	495811	155.397	ng		0.00
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng		
79) Terphenyl-d14	13.010	244	2382437	134.604	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	334123	74.672	ng		98
3) Pyridine	3.416	79	1009551	77.503	ng		99
4) n-Nitrosodimethylamine	3.387	42	552664	80.653	ng		96
6) Aniline	6.551	93	1226438	71.012	ng		94
8) 2-Chlorophenol	6.669	128	683900	72.356	ng		100
9) Benzaldehyde	6.439	77	546849	61.507	ng		99
10) Phenol	6.534	94	976173	70.844	ng		83
11) bis(2-Chloroethyl)ether	6.628	93	760388	71.438	ng		98
12) 1,3-Dichlorobenzene	6.828	146	746378	65.969	ng		98
13) 1,4-Dichlorobenzene	6.904	146	727973	65.228	ng		100
14) 1,2-Dichlorobenzene	7.057	146	708144	66.244	ng		99
15) Benzyl Alcohol	7.034	79	664305	76.926	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1670583	68.951	ng		97
17) 2-Methylphenol	7.134	107	569618	72.921	ng		98
18) Hexachloroethane	7.398	117	256173	68.827	ng		98
19) n-Nitroso-di-n-propyla...	7.316	70	559967	70.978	ng		99
20) 3+4-Methylphenols	7.298	107	573027	63.295	ng	#	78
22) Acetophenone	7.304	105	795315	64.345	ng	#	92
24) Nitrobenzene	7.475	77	800306	74.900	ng		98
25) Isophorone	7.722	82	1534787	75.651	ng		98
26) 2-Nitrophenol	7.786	139	389145	84.948	ng		98
27) 2,4-Dimethylphenol	7.822	122	616626	74.828	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	888473	69.328	ng		99
29) 2,4-Dichlorophenol	8.028	162	620755	72.318	ng		98
30) 1,2,4-Trichlorobenzene	8.110	180	583022	69.063	ng		99
31) Naphthalene	8.192	128	1710914	64.341	ng		99
32) Benzoic acid	7.963	122	539440m	94.587	ng		
33) 4-Chloroaniline	8.239	127	697350	69.923	ng		98
34) Hexachlorobutadiene	8.310	225	404619	68.974	ng		98
35) Caprolactam	8.645	113	218801	80.169	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	598614	72.601	ng		98
37) 2-Methylnaphthalene	8.886	142	1138146	64.254	ng		99
38) 1-Methylnaphthalene	8.986	142	1087879	63.318	ng		98
40) 1,2,4,5-Tetrachloroben...	9.051	216	594660	67.166	ng		98
41) Hexachlorocyclopentadiene	9.033	237	301178	81.998	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	481852	74.487	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	487322	71.286	ng	99
46) 1,1'-Biphenyl	9.351	154	1344805	63.407	ng	98
47) 2-Chloronaphthalene	9.375	162	1170019	66.165	ng	98
48) 2-Nitroaniline	9.469	65	445537	79.693	ng	99
49) Acenaphthylene	9.786	152	1644728	66.159	ng	100
50) Dimethylphthalate	9.645	163	1415482	69.582	ng	100
51) 2,6-Dinitrotoluene	9.716	165	303176	80.372	ng	97
52) Acenaphthene	9.963	154	1085733	66.651	ng	99
53) 3-Nitroaniline	9.886	138	365960	79.233	ng	98
54) 2,4-Dinitrophenol	9.986	184	187560	80.556	ng	97
55) Dibenzofuran	10.133	168	1471622	63.998	ng	98
56) 4-Nitrophenol	10.039	139	294937	84.335	ng	95
57) 2,4-Dinitrotoluene	10.116	165	409463	79.779	ng	94
58) Fluorene	10.480	166	1069764	61.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	368599	76.170	ng	98
60) Diethylphthalate	10.351	149	1267085	67.047	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	572035	62.357	ng	96
62) 4-Nitroaniline	10.510	138	351634	79.169	ng	98
63) Azobenzene	10.633	77	1351920	68.446	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	236863	87.227	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1139482	67.159	ng	98
67) 4-Bromophenyl-phenylether	10.963	248	423148	70.857	ng	98
68) Hexachlorobenzene	11.027	284	498602	72.118	ng	97
69) Atrazine	11.121	200	347749	67.621	ng	99
70) Pentachlorophenol	11.221	266	318486	80.208	ng	99
71) Phenanthrene	11.445	178	1676081	63.980	ng	99
72) Anthracene	11.498	178	1688865	63.814	ng	99
73) Carbazole	11.651	167	1519615	64.832	ng	100
74) Di-n-butylphthalate	11.980	149	1793855	66.034	ng	100
75) Fluoranthene	12.633	202	1706368	63.059	ng	99
78) Pyrene	12.863	202	1718085	68.126	ng	99
80) Butylbenzylphthalate	13.480	149	633516	77.349	ng	97
81) Benzo(a)anthracene	14.057	228	1449801	73.238	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	461359	76.476	ng	98
83) Chrysene	14.092	228	1349286	73.645	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	749327	75.897	ng	100
85) Di-n-octyl phthalate	14.657	149	1370760	84.532	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	1786876	81.478	ng	99
88) Benzo(b)fluoranthene	15.115	252	1431875	69.645	ng	98
89) Benzo(k)fluoranthene	15.145	252	1362026	71.595	ng	98
90) Benzo(a)pyrene	15.486	252	1321893	74.151	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	1391562	78.895	ng	97
92) Benzo(g,h,i)perylene	17.515	276	1451721	82.305	ng	98

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

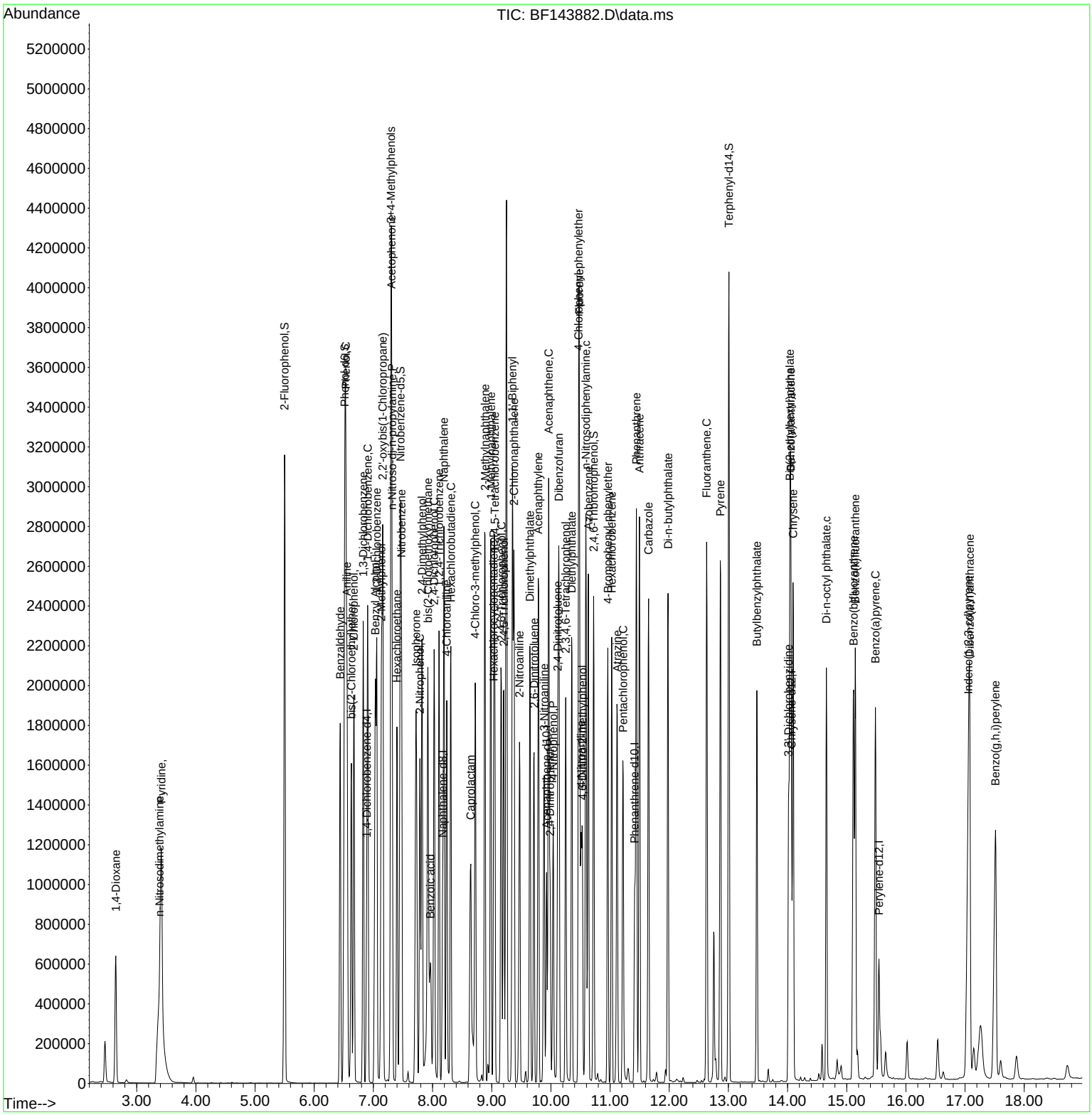
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

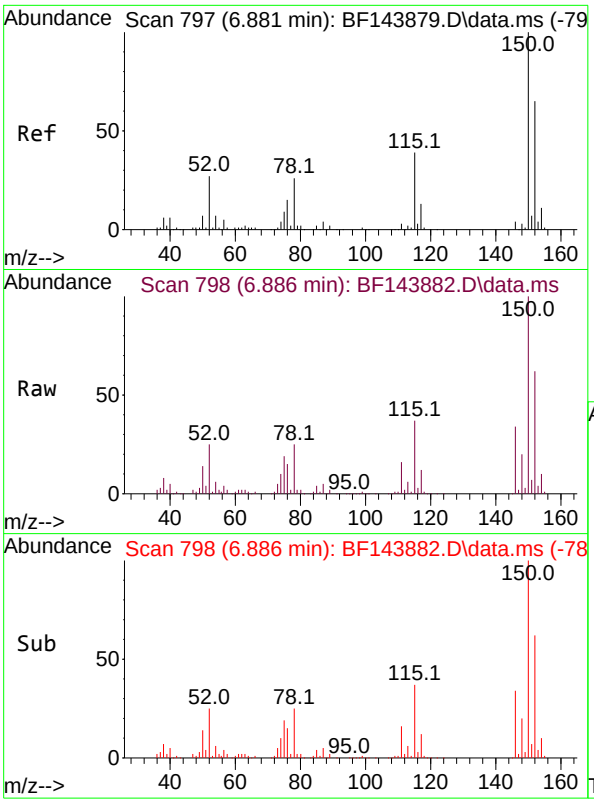
Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

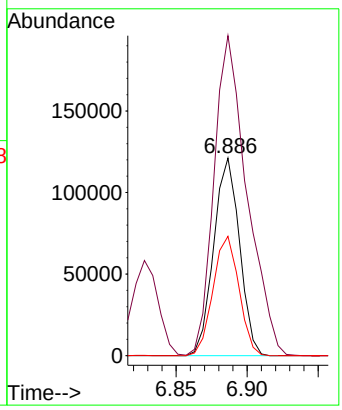




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:152 Resp: 153550

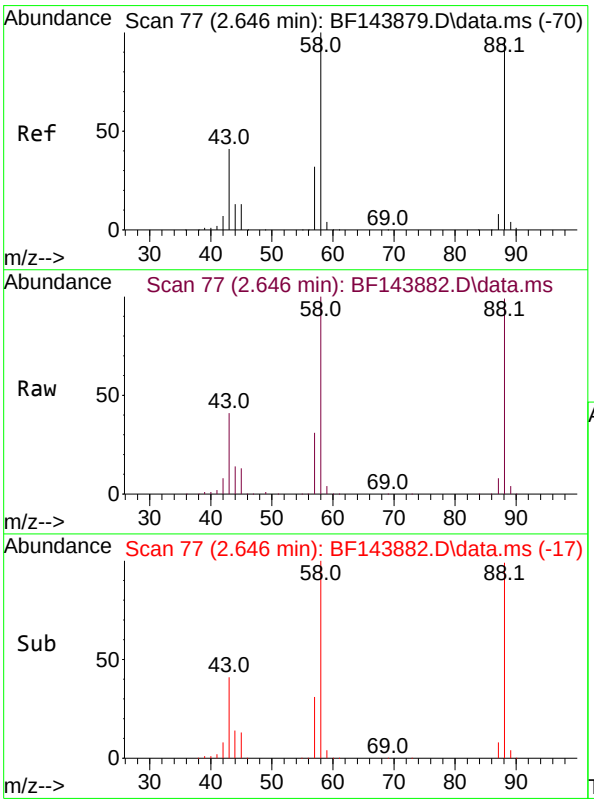
Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.4	186.6
115	60.3	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

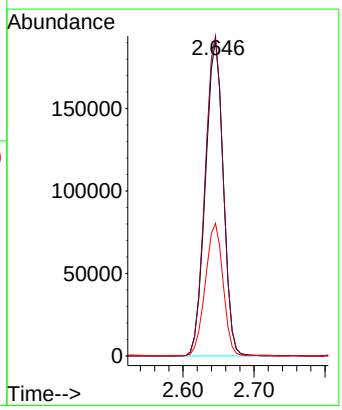
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

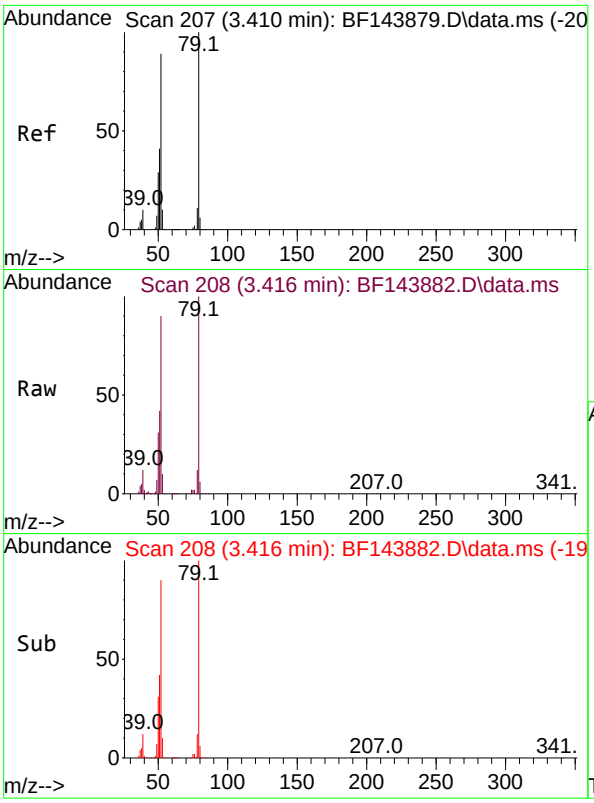


#2
1,4-Dioxane
Concen: 74.672 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 88 Resp: 334123

Ion	Ratio	Lower	Upper
88	100		
58	102.1	83.0	124.6
43	41.3	33.9	50.9





#3
Pyridine
Concen: 77.503 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

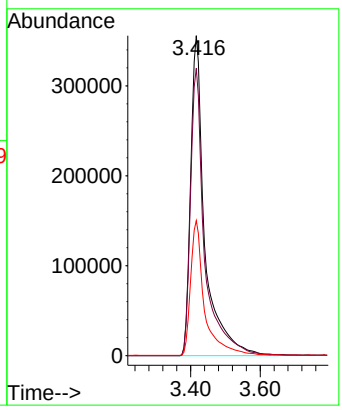
Tgt Ion: 79 Resp: 100955

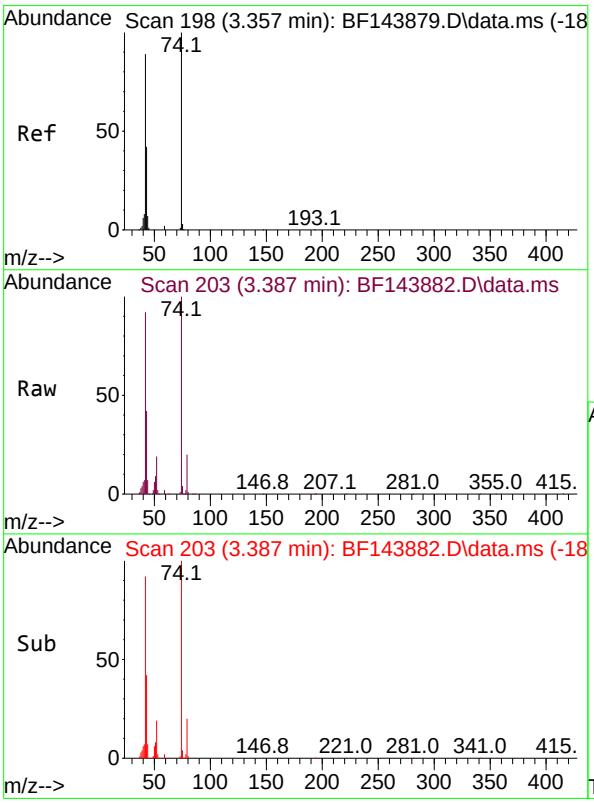
Ion	Ratio	Lower	Upper
79	100		
52	89.8	71.5	107.3
51	42.2	32.9	49.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

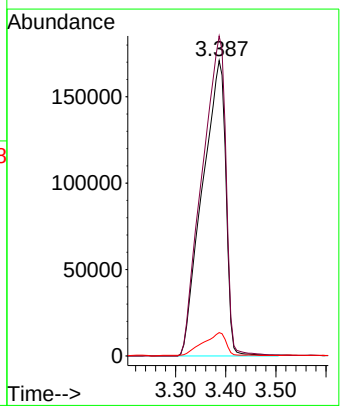


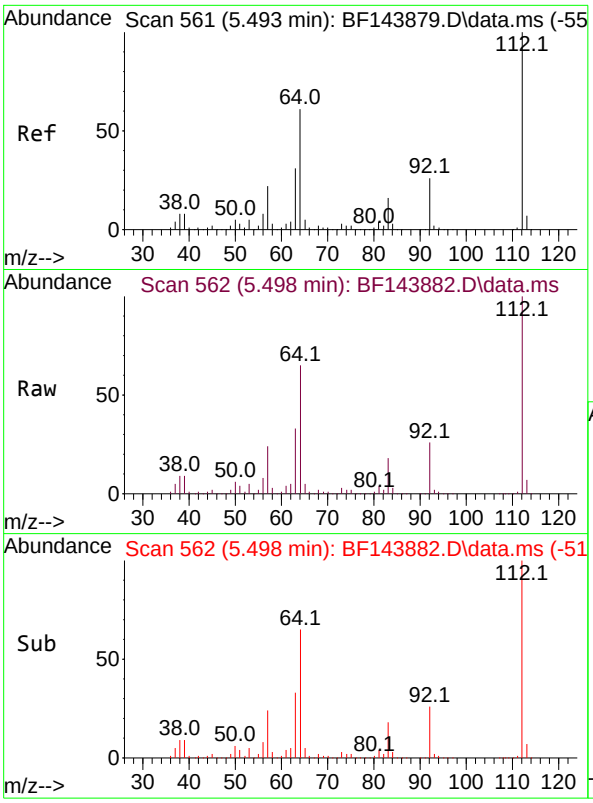


#4
n-Nitrosodimethylamine
Concen: 80.653 ng
RT: 3.387 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 42 Resp: 552664

Ion	Ratio	Lower	Upper
42	100		
74	108.4	90.0	135.0
44	7.9	6.2	9.2





#5
2-Fluorophenol
Concen: 137.113 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:112 Resp: 132580

Ion	Ratio	Lower	Upper
112	100		
64	64.9	49.1	73.7
63	32.9	24.5	36.7

Instrument :
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ClientSampleId :
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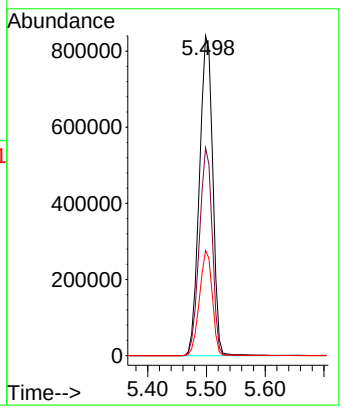
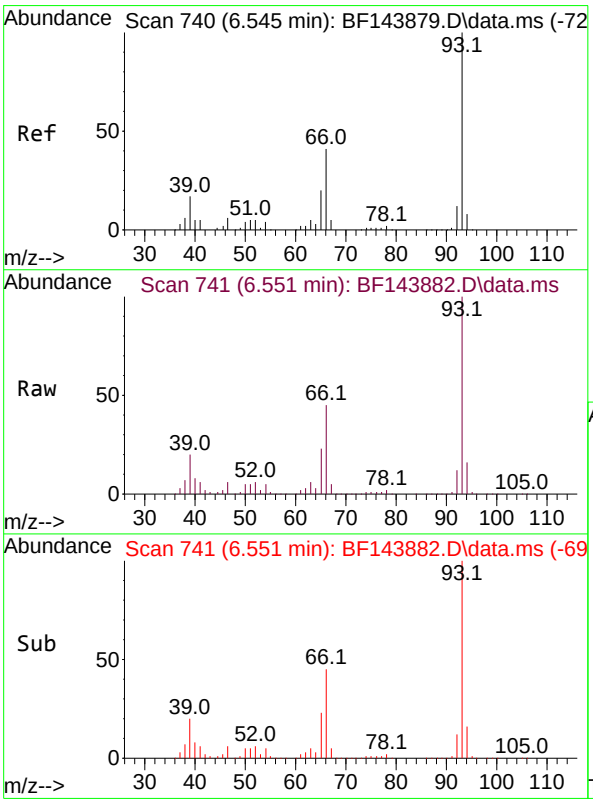
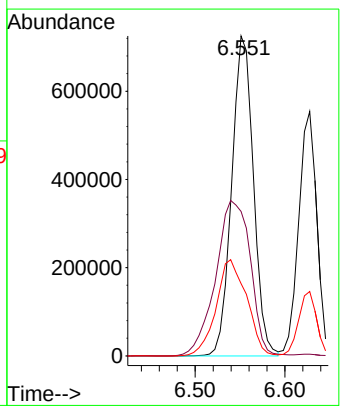


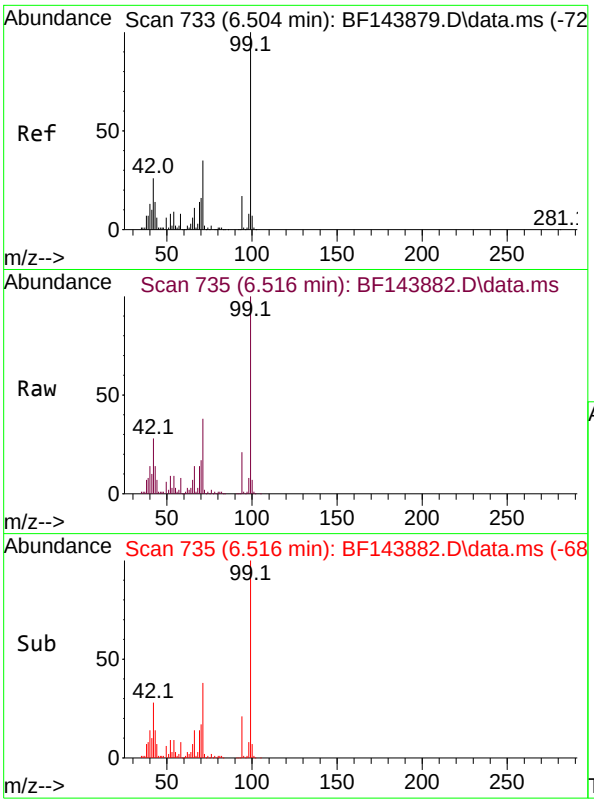


#6
Aniline
Concen: 71.012 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 1226438

Ion	Ratio	Lower	Upper
93	100		
66	45.1	33.0	49.6
65	22.6	15.8	23.8

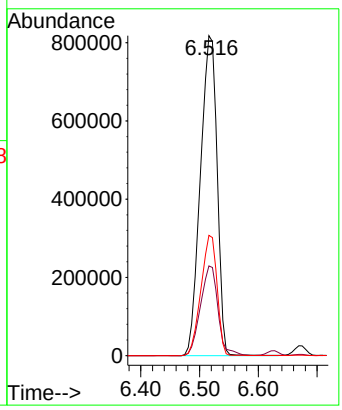




#7
Phenol-d6
Concen: 140.374 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 99 Resp: 161789

Ion	Ratio	Lower	Upper
99	100		
42	28.0	21.0	31.4
71	37.6	27.8	41.8



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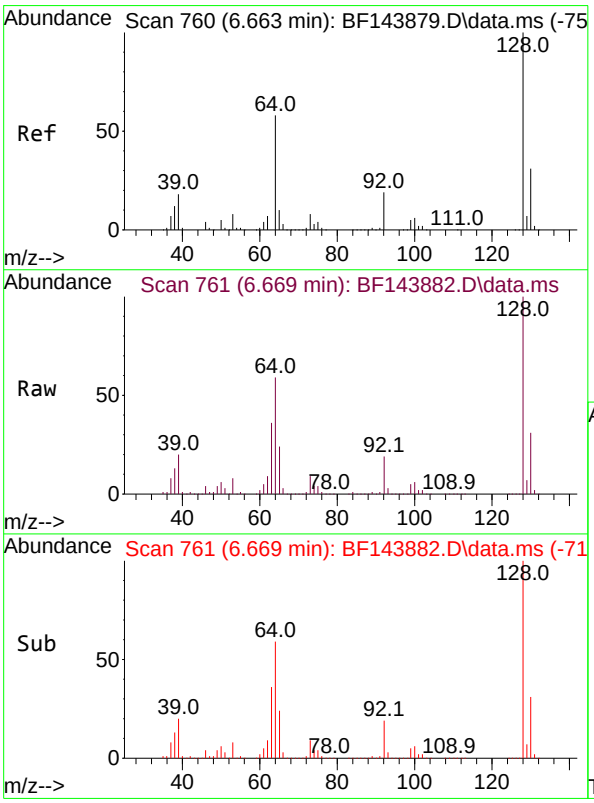
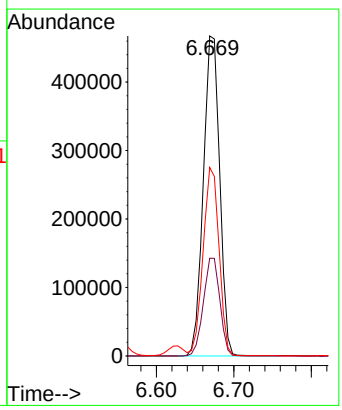
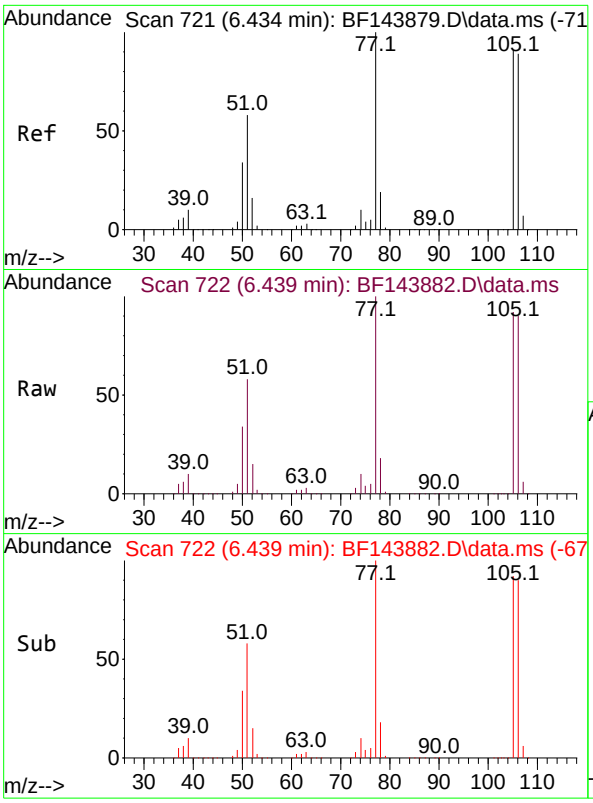


#8
2-Chlorophenol
Concen: 72.356 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:128 Resp: 683900

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	58.9	39.0	79.0

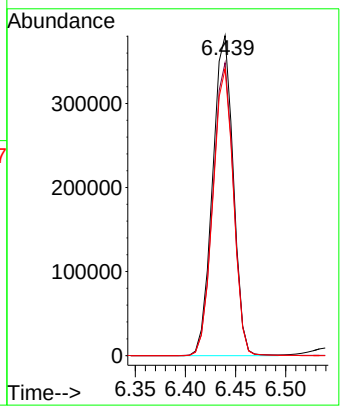




#9
Benzaldehyde
Concen: 61.507 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 54684

Ion	Ratio	Lower	Upper
77	100		
105	91.5	70.9	110.9
106	89.6	68.9	108.9



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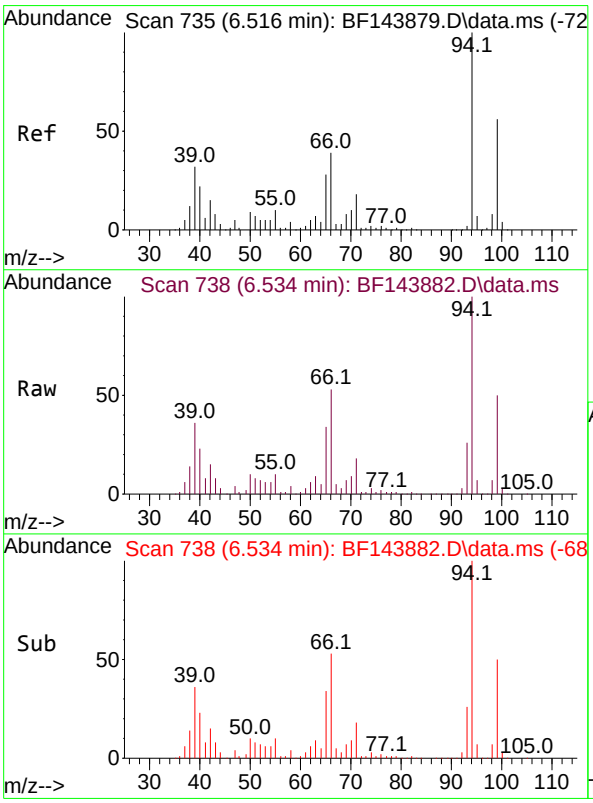
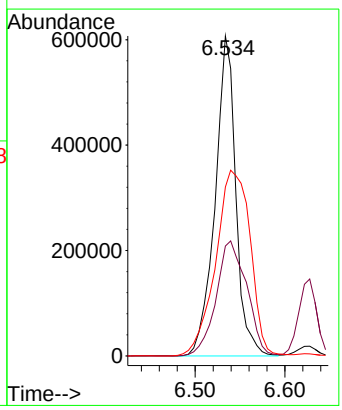
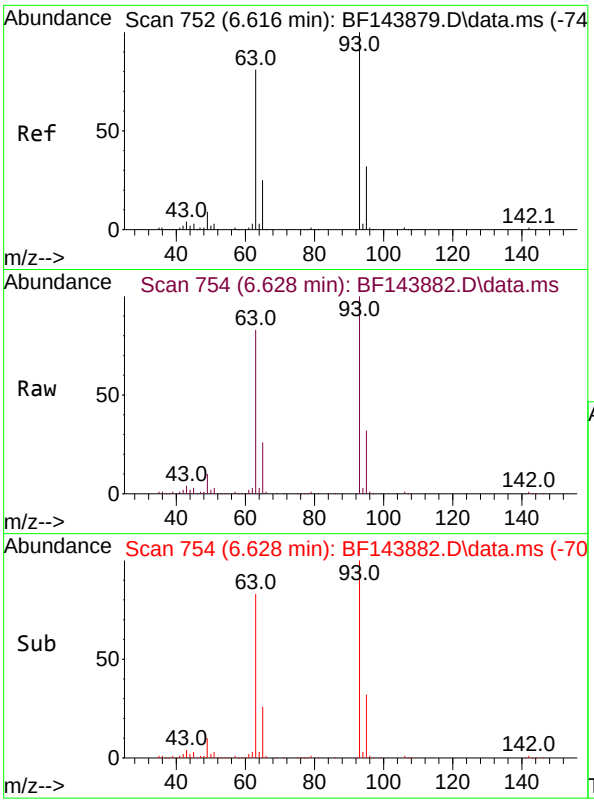


#10
Phenol
Concen: 70.844 ng
RT: 6.534 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 94 Resp: 976173

Ion	Ratio	Lower	Upper
94	100		
65	34.4	8.5	48.5
66	52.8	19.9	59.9

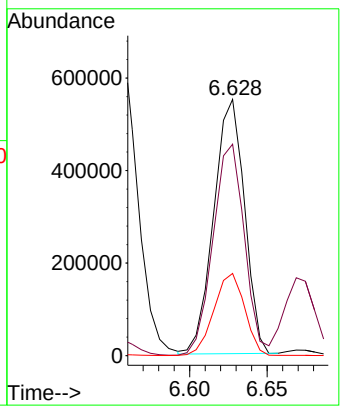




#11
bis(2-Chloroethyl)ether
Concen: 71.438 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 76038

Ion	Ratio	Lower	Upper
93	100		
63	82.5	60.9	100.9
95	32.0	11.5	51.5



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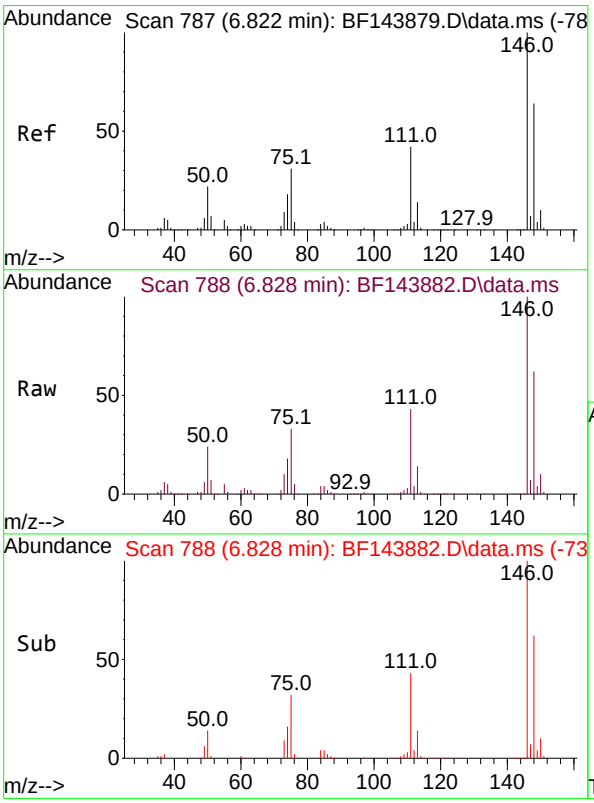
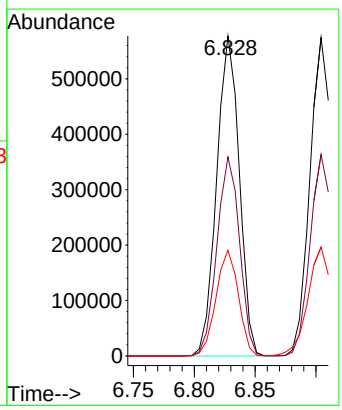
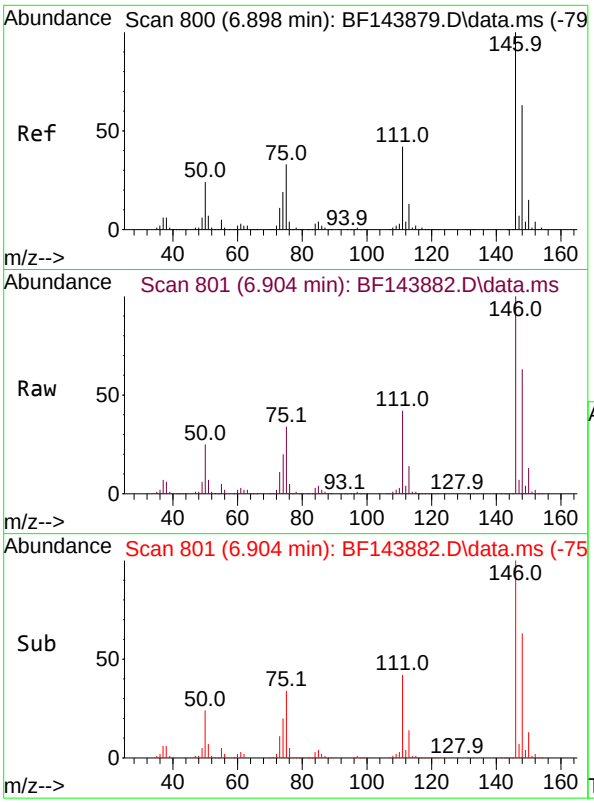


#12
1,3-Dichlorobenzene
Concen: 65.969 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 746378

Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.0	76.4
75	33.0	24.9	37.3

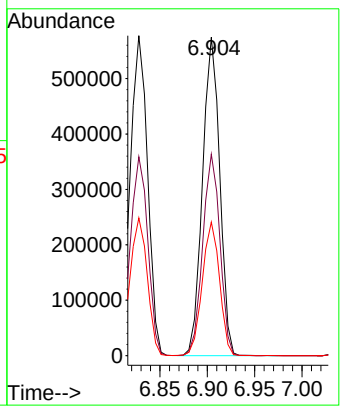




#13
1,4-Dichlorobenzene
Concen: 65.228 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 72797

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.5	75.7
111	42.0	33.4	50.0



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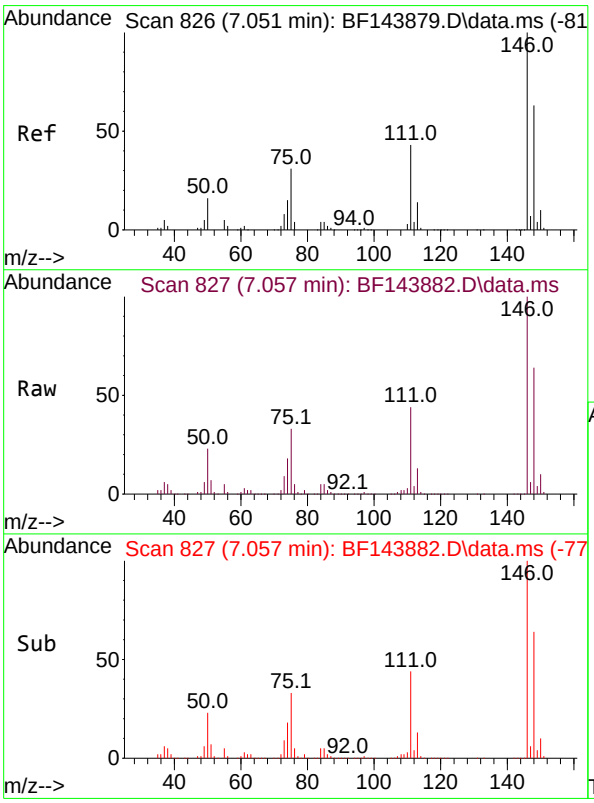
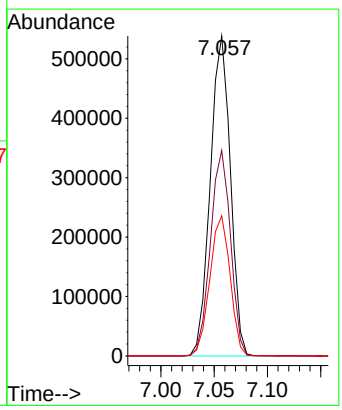
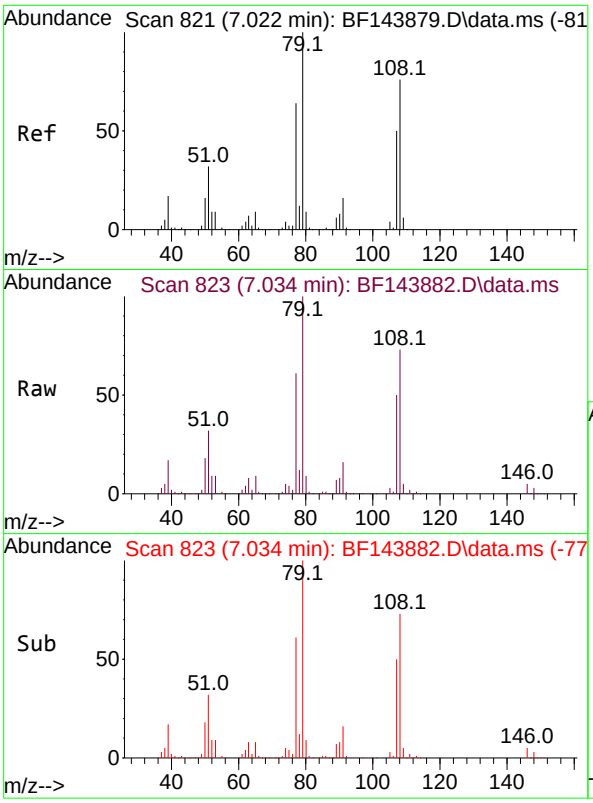


#14
1,2-Dichlorobenzene
Concen: 66.244 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 708144

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	75.8
111	43.8	34.6	51.8





#15
Benzyl Alcohol
Concen: 76.926 ng
RT: 7.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 79 Resp: 66430

Ion	Ratio	Lower	Upper
79	100		
108	73.0	60.8	91.2
77	61.1	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
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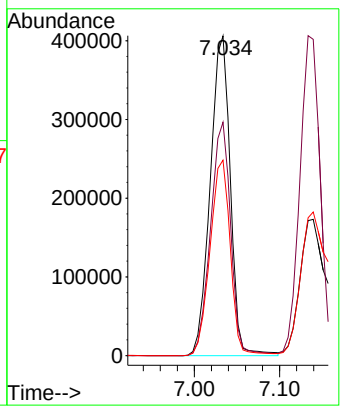
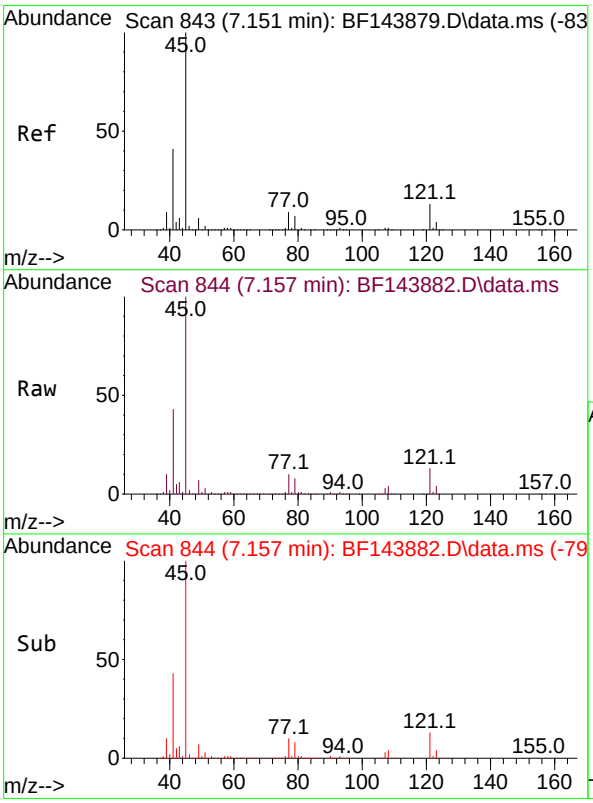
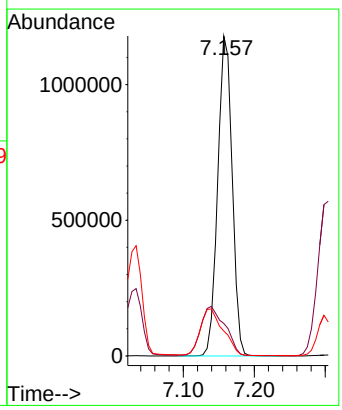


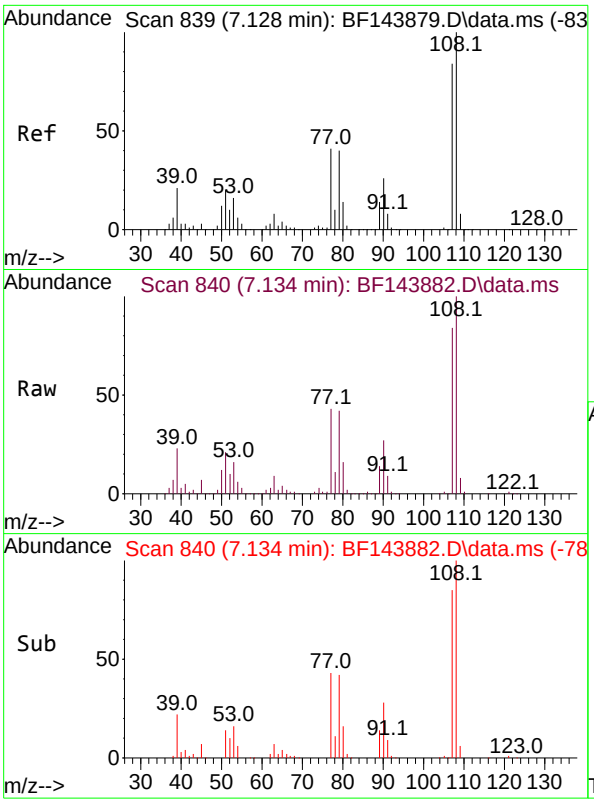


#16
2,2'-oxybis(1-Chloropropane)
Concen: 68.951 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 45 Resp: 1670583

Ion	Ratio	Lower	Upper
45	100		
77	10.1	0.0	29.0
79	7.8	0.0	26.8

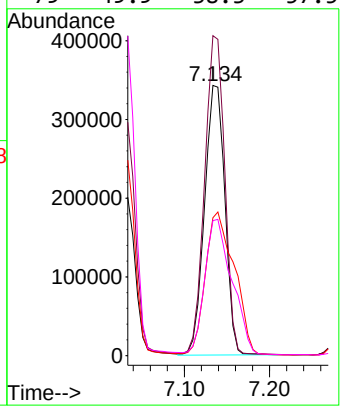




#17
2-Methylphenol
Concen: 72.921 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 569618

Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	51.0	38.8	58.2
79	49.9	38.3	57.5



Instrument :
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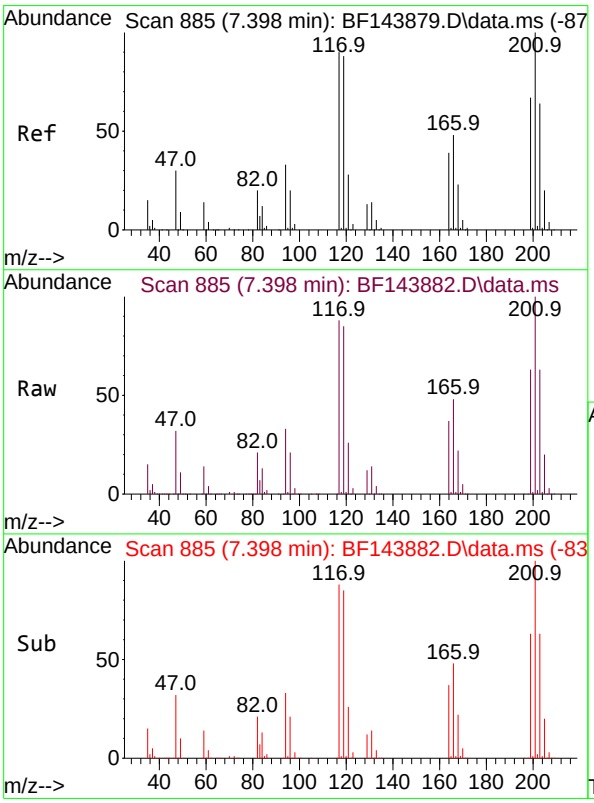
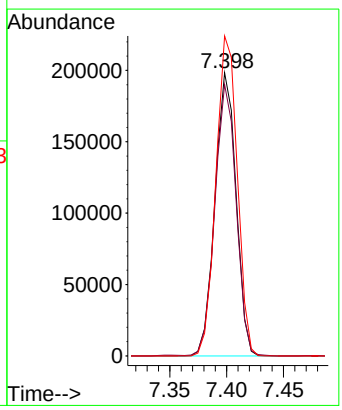
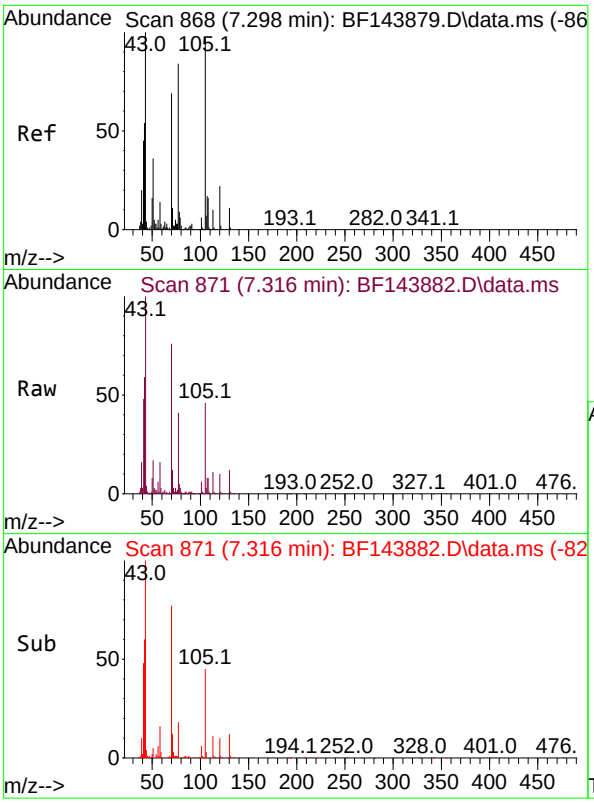


#18
Hexachloroethane
Concen: 68.827 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:117 Resp: 256173

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.8
201	113.0	88.5	132.7

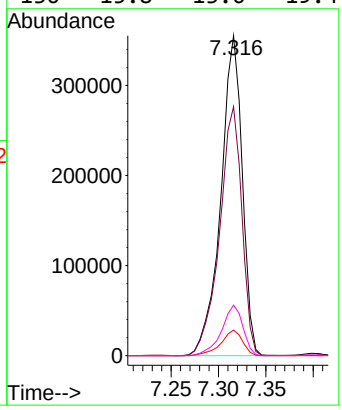




#19
n-Nitroso-di-n-propylamine
Concen: 70.978 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 70 Resp: 55996

Ion	Ratio	Lower	Upper
70	100		
42	77.8	62.8	94.2
101	8.0	6.7	10.1
130	15.8	13.0	19.4



Instrument :
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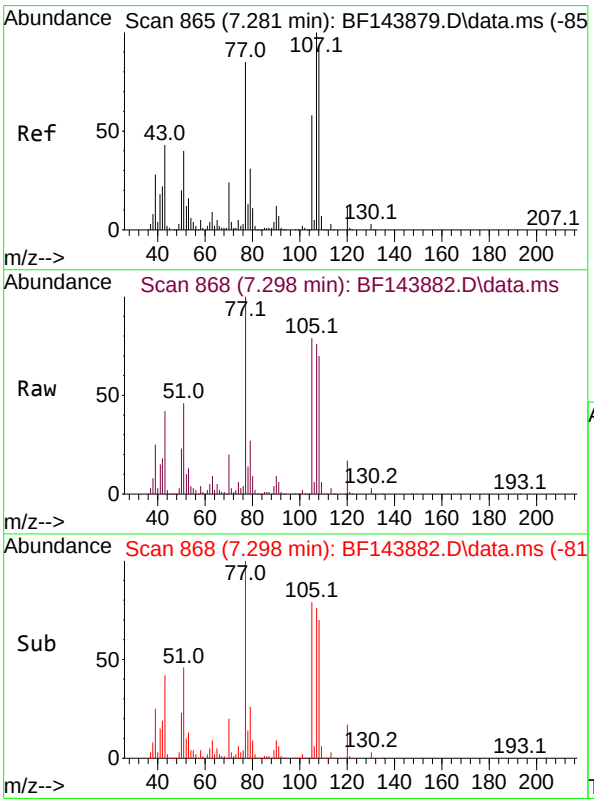
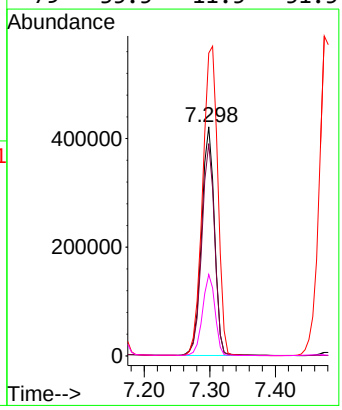
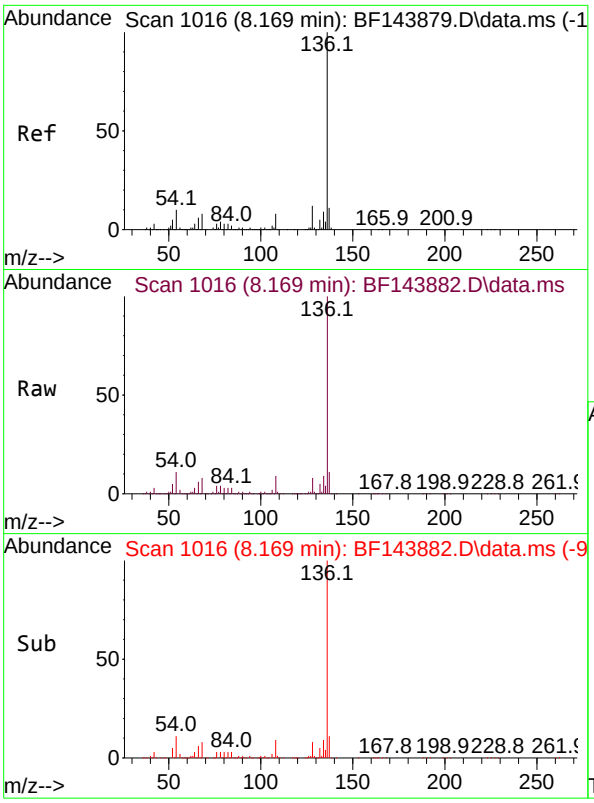


#20
3+4-Methylphenols
Concen: 63.295 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 573027

Ion	Ratio	Lower	Upper
107	100		
108	92.7	73.0	113.0
77	132.3	64.6	104.6#
79	35.5	11.5	51.5

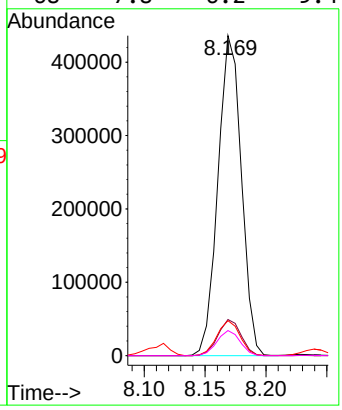




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:136 Resp: 58456

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.9	8.2	12.4
68	7.8	6.2	9.4



Instrument :
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ClientSampleId :
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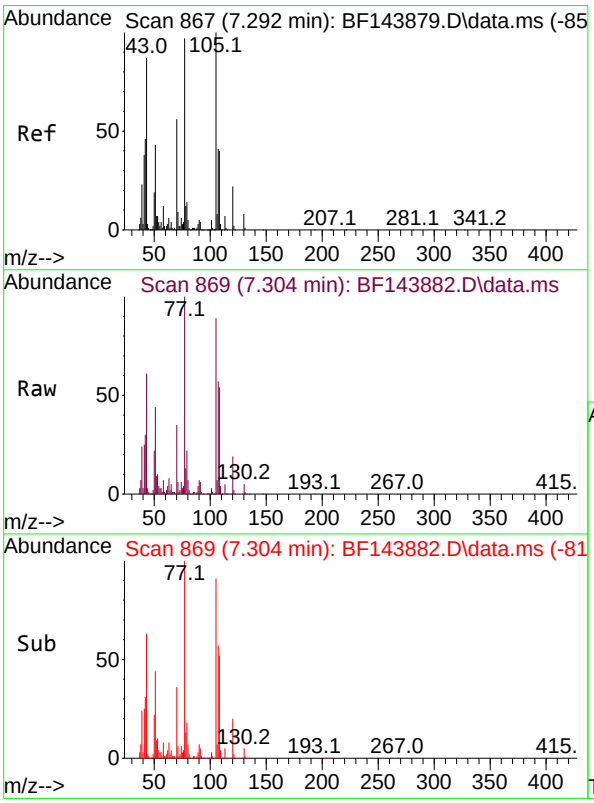
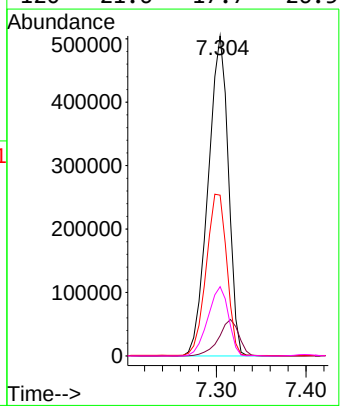
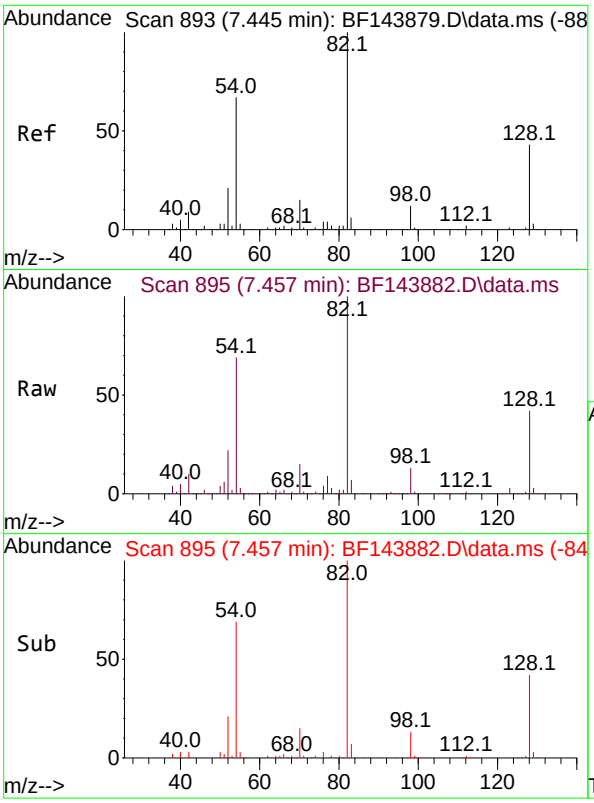


#22
Acetophenone
Concen: 64.345 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:105 Resp: 795315

Ion	Ratio	Lower	Upper
105	100		
71	6.3	7.4	11.0#
51	50.2	34.2	51.4
120	21.6	17.7	26.5

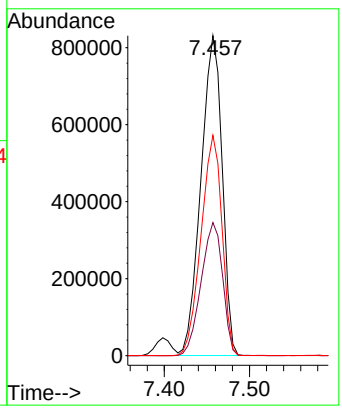




#23
Nitrobenzene-d5
Concen: 149.259 ng
RT: 7.457 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 82 Resp: 143612

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	68.8	53.2	79.8



Instrument :
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ClientSampleId :
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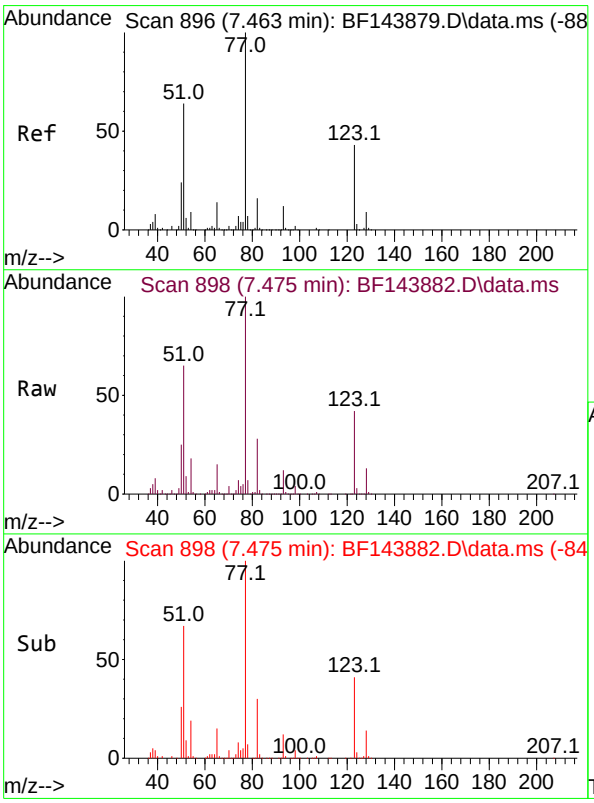
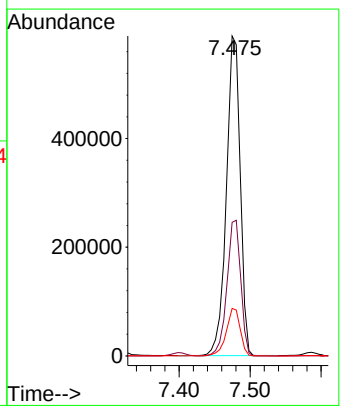
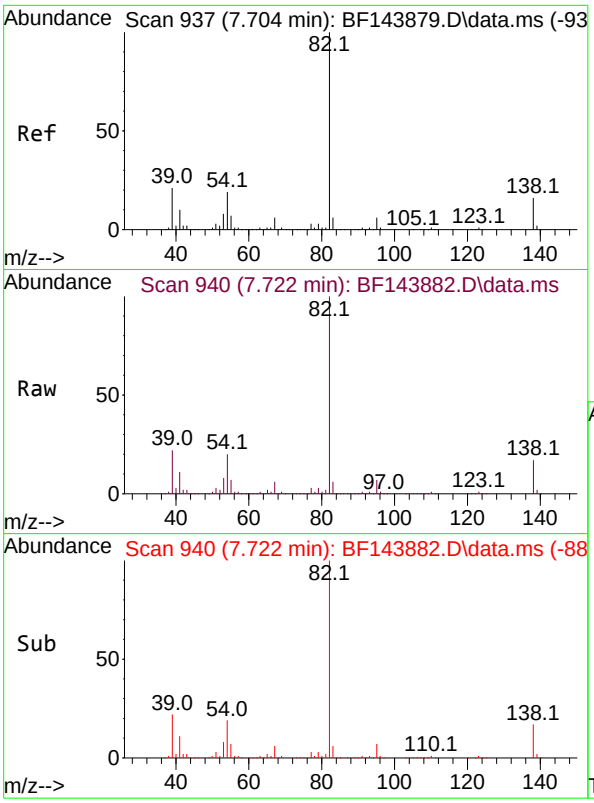


#24
Nitrobenzene
Concen: 74.900 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 800306

Ion	Ratio	Lower	Upper
77	100		
123	41.7	34.2	51.4
65	14.8	11.0	16.6

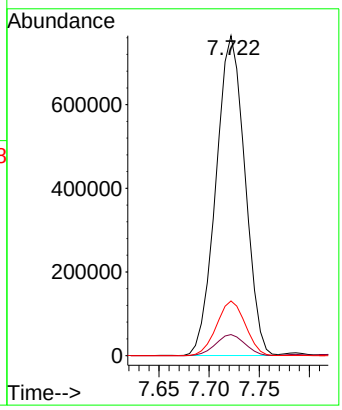




#25
Isophorone
Concen: 75.651 ng
RT: 7.722 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 82 Resp: 153478

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	17.1	12.9	19.3



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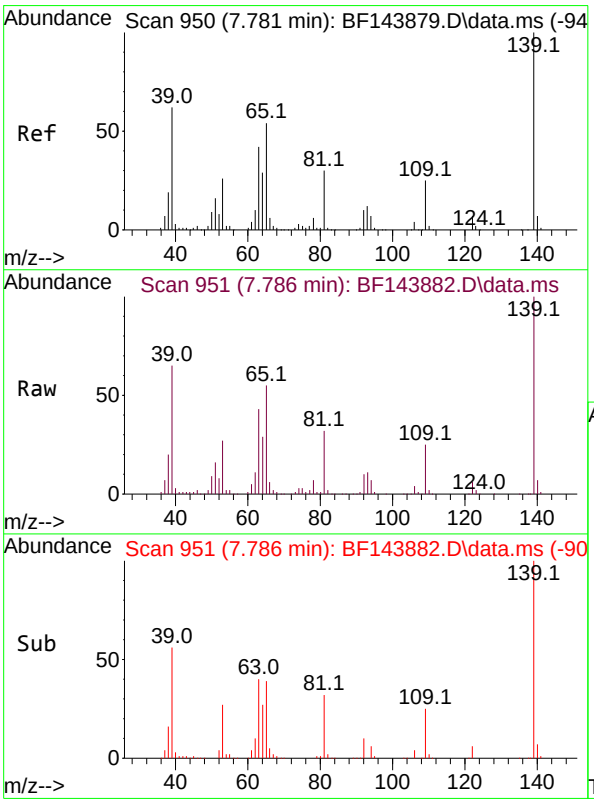
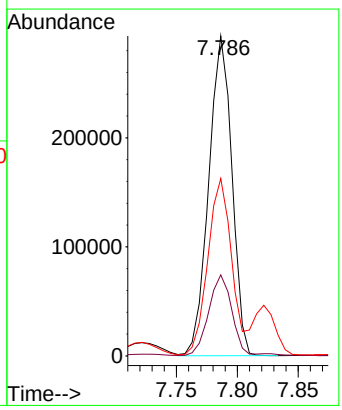
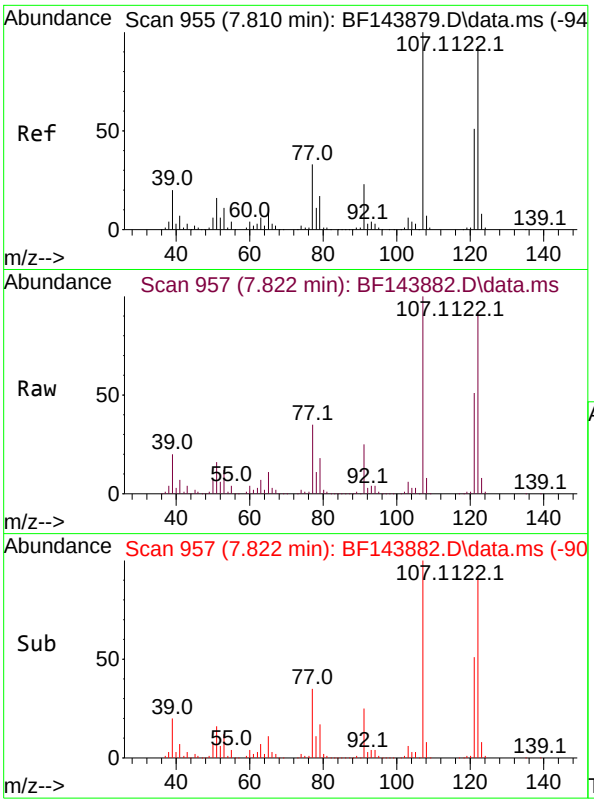


#26
2-Nitrophenol
Concen: 84.948 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:139 Resp: 389145

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.8	29.6
65	55.4	42.9	64.3

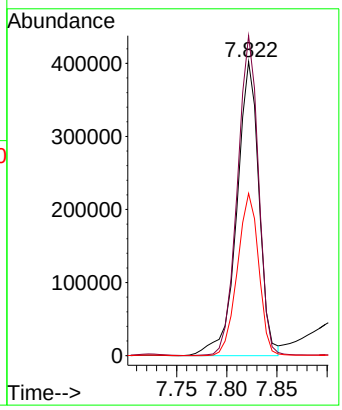




#27
2,4-Dimethylphenol
Concen: 74.828 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:122 Resp: 61662

Ion	Ratio	Lower	Upper
122	100		
107	108.9	86.1	129.1
121	55.2	43.8	65.6



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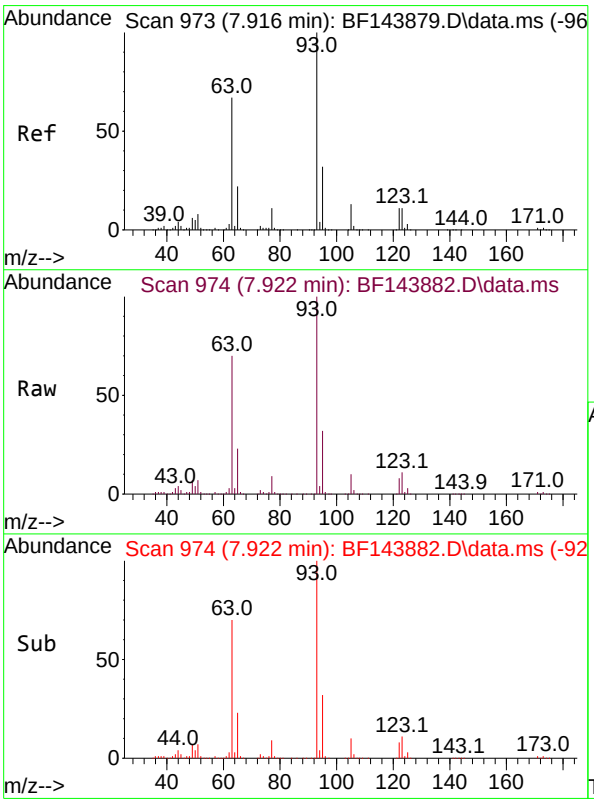
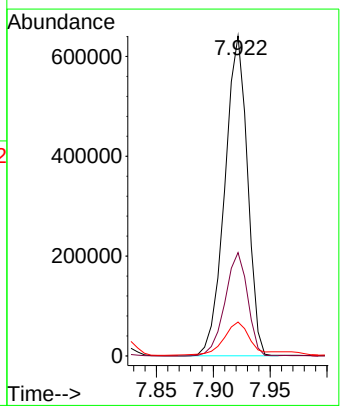
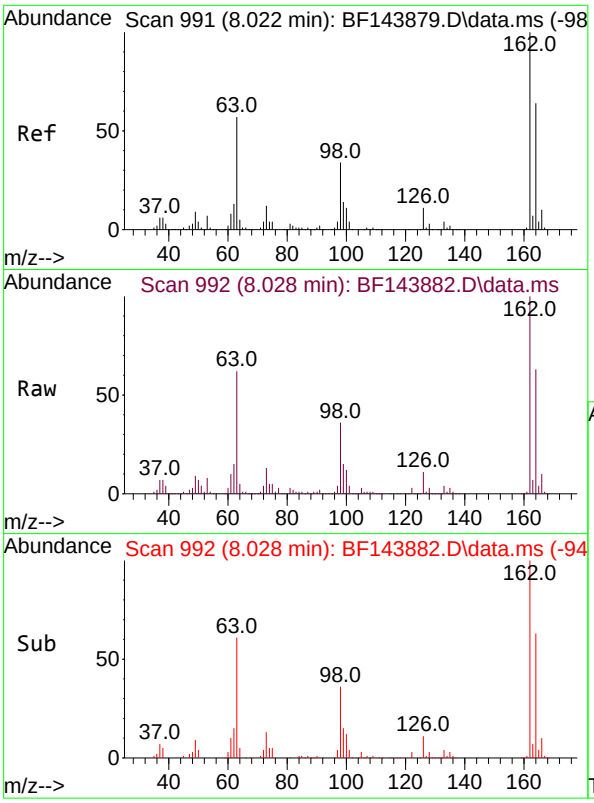


#28
bis(2-Chloroethoxy)methane
Concen: 69.328 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 888473

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	10.6	9.4	14.0

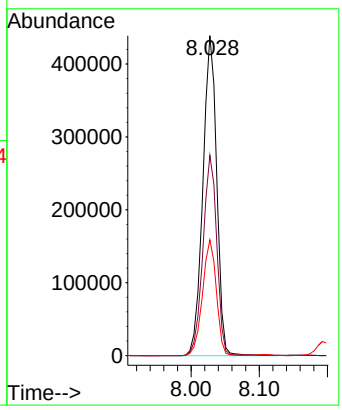




#29
2,4-Dichlorophenol
Concen: 72.318 ng
RT: 8.028 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:162 Resp: 62075

Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.9	83.9
98	36.2	14.4	54.4



Instrument :
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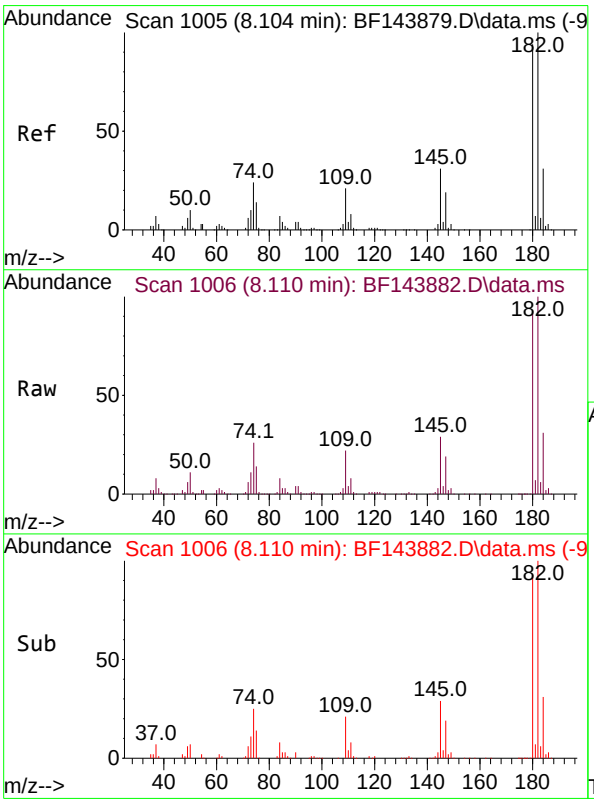
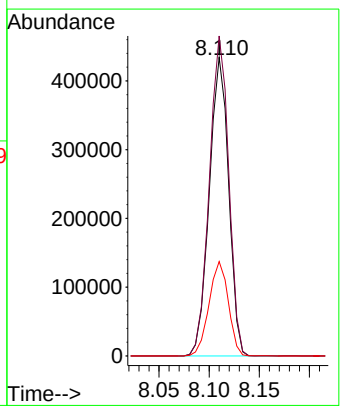
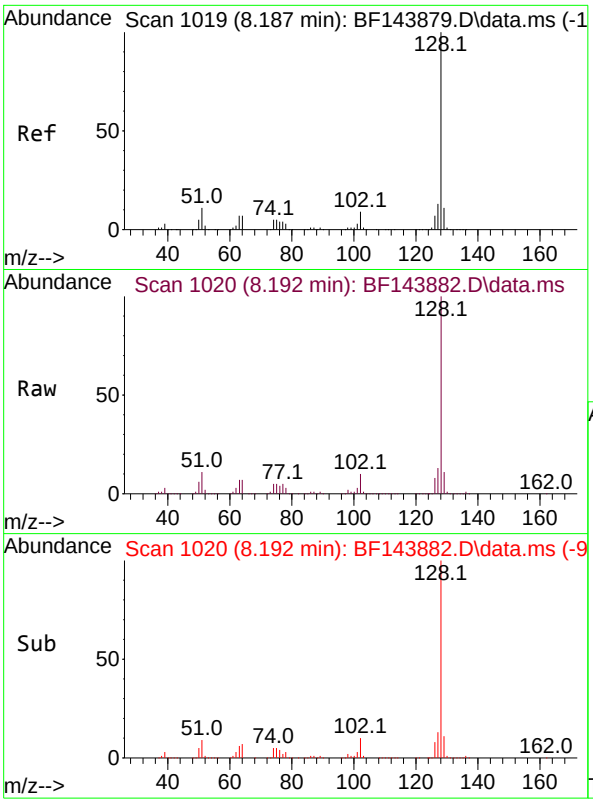


#30
1,2,4-Trichlorobenzene
Concen: 69.063 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:180 Resp: 583022

Ion	Ratio	Lower	Upper
180	100		
182	107.1	85.4	128.0
145	31.6	26.3	39.5

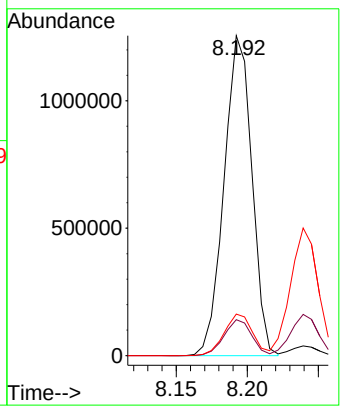




#31
Naphthalene
Concen: 64.341 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:128 Resp: 171091

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.0	10.0	15.0



Instrument :
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ClientSampleId :
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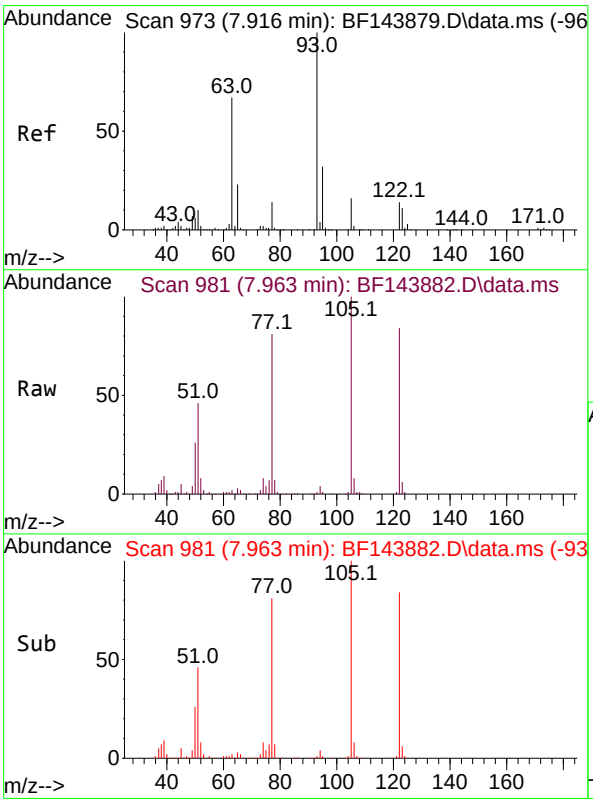
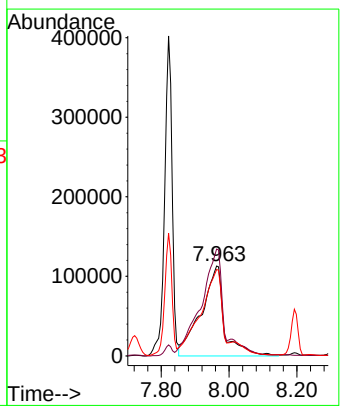
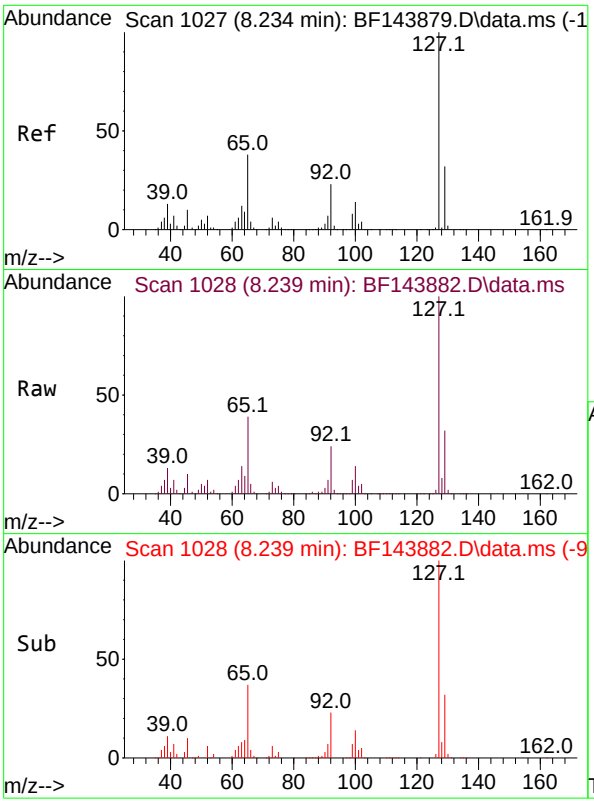


#32
Benzoic acid
Concen: 94.587 ng m
RT: 7.963 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:122 Resp: 539440

Ion	Ratio	Lower	Upper
122	100		
105	118.9	93.5	133.5
77	96.1	76.3	116.3

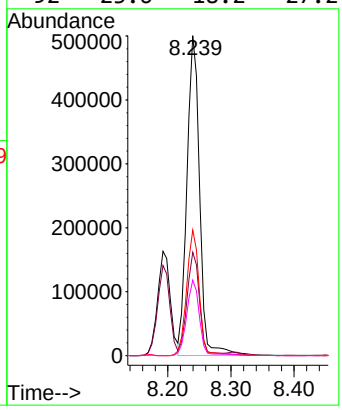




#33
4-Chloroaniline
Concen: 69.923 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:127 Resp: 69735

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	39.2	30.0	45.0
92	23.6	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
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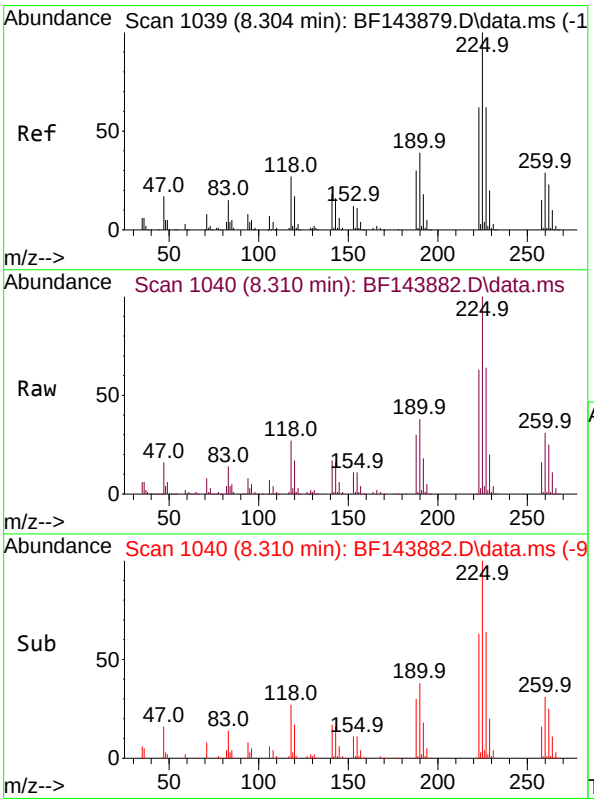
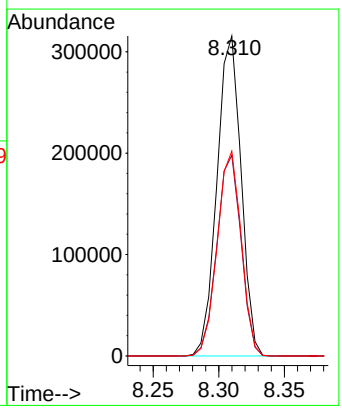
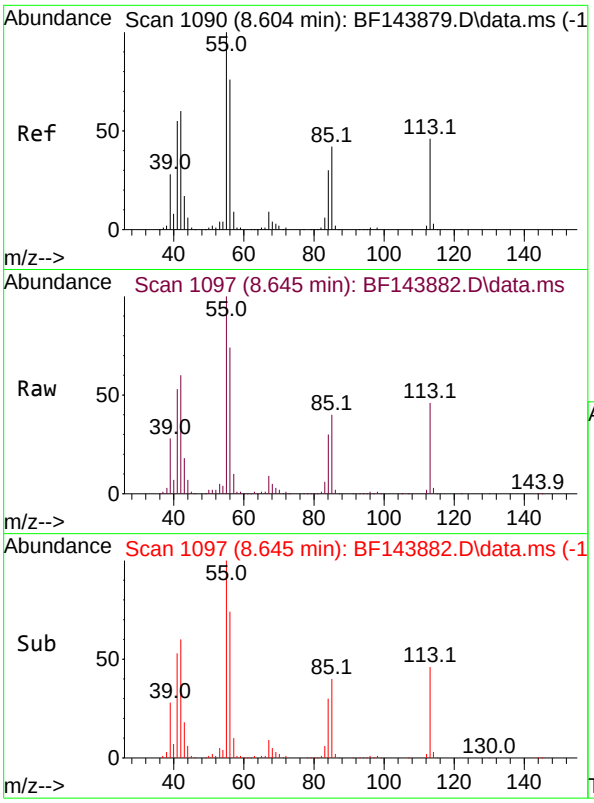


#34
Hexachlorobutadiene
Concen: 68.974 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:225 Resp: 404619

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.4	74.2
227	64.0	49.7	74.5

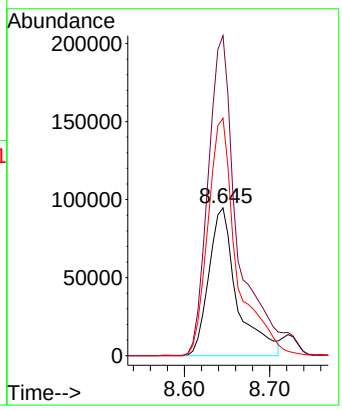




#35
Caprolactam
Concen: 80.169 ng
RT: 8.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:113 Resp: 21880

Ion	Ratio	Lower	Upper
113	100		
55	216.6	199.6	239.6
56	160.6	146.0	186.0



Instrument :
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ClientSampleId :
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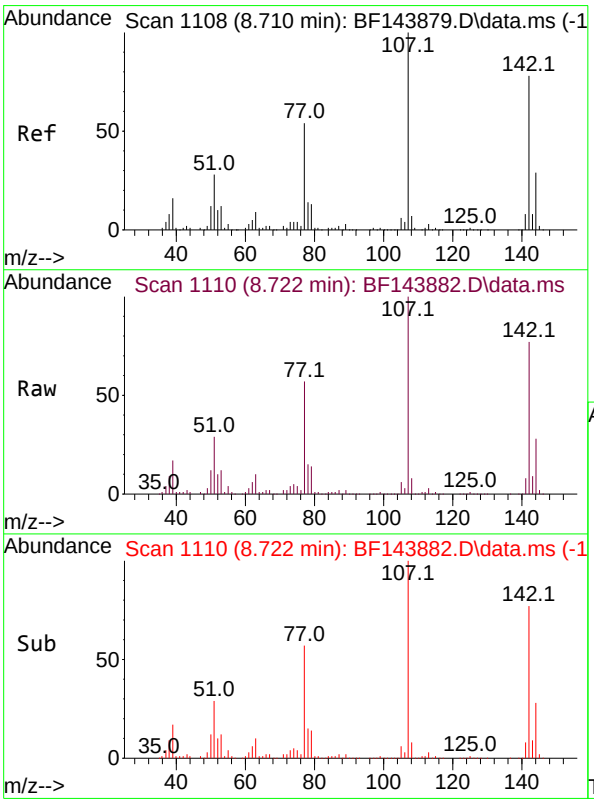
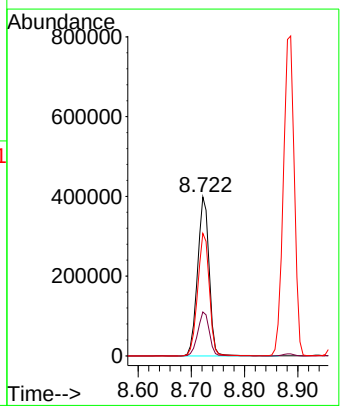
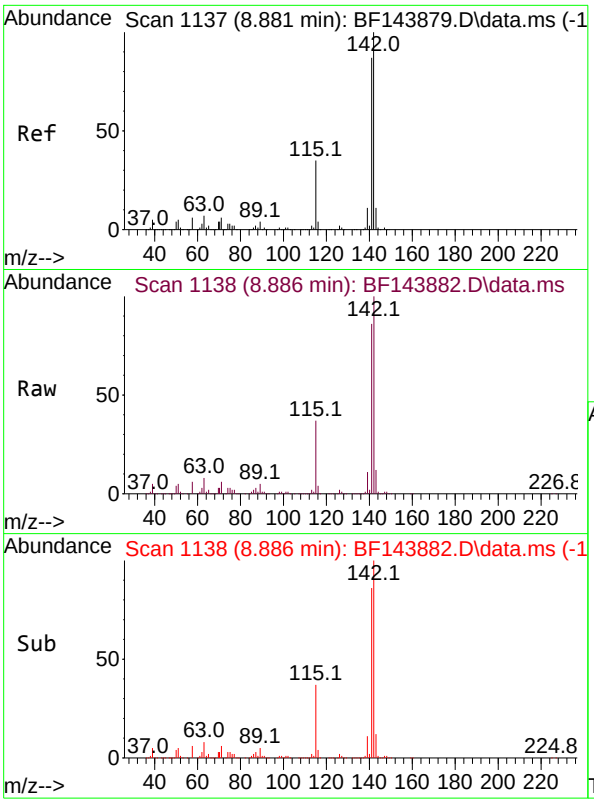


#36
4-Chloro-3-methylphenol
Concen: 72.601 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 598614

Ion	Ratio	Lower	Upper
107	100		
144	27.6	23.1	34.7
142	77.0	62.6	94.0

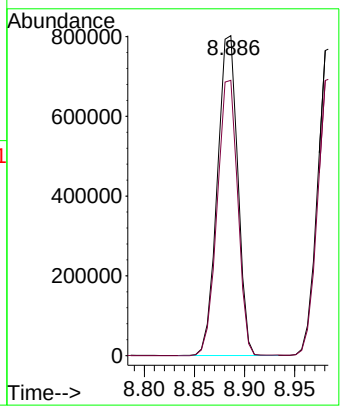




#37
2-Methylnaphthalene
Concen: 64.254 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:142 Resp: 113814

Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.2	103.8



Instrument :
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ClientSampleId :
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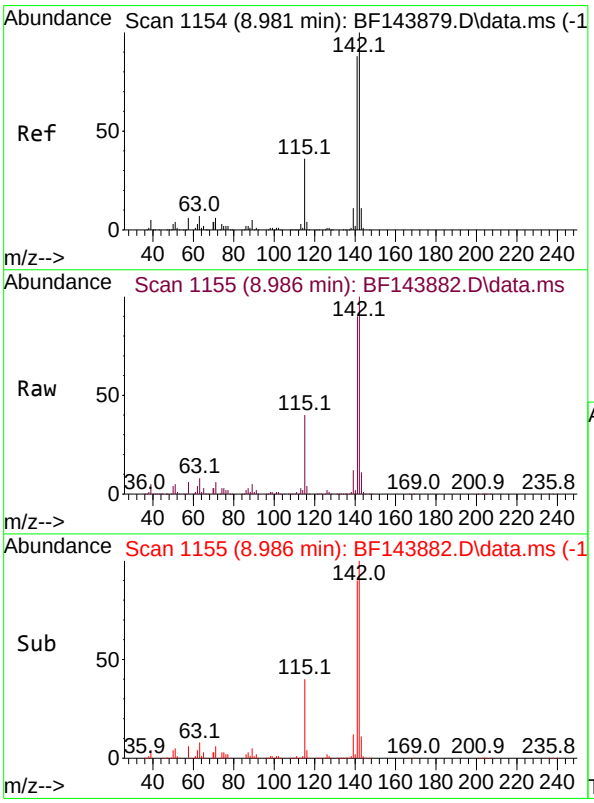
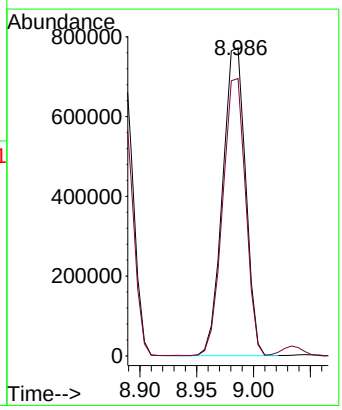
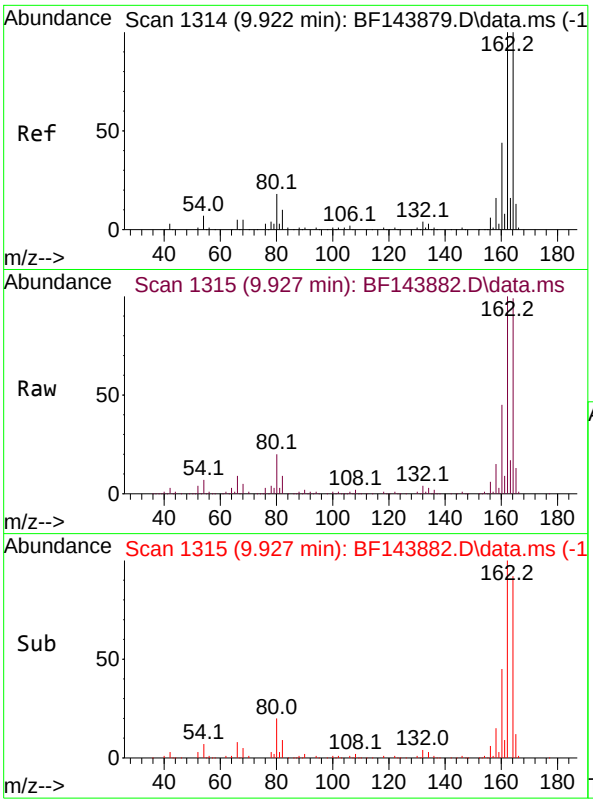


#38
1-Methylnaphthalene
Concen: 63.318 ng
RT: 8.986 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:142 Resp: 1087879

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2

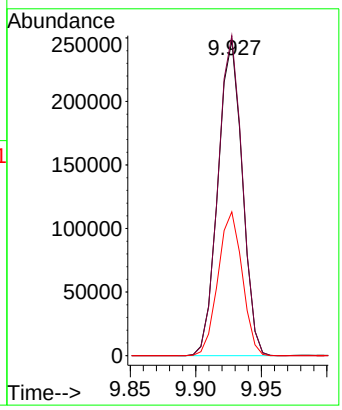




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:164 Resp: 32033

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.2	120.2
160	45.6	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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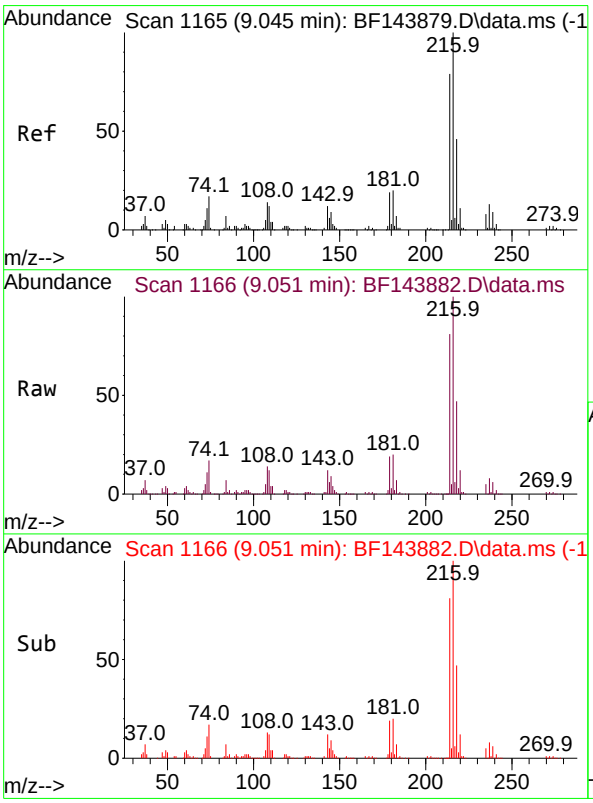
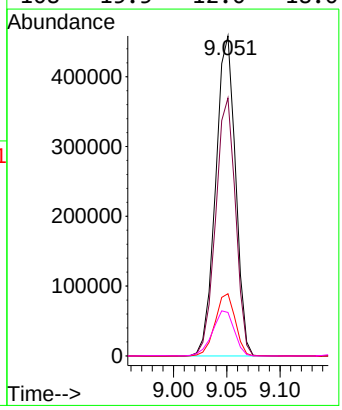
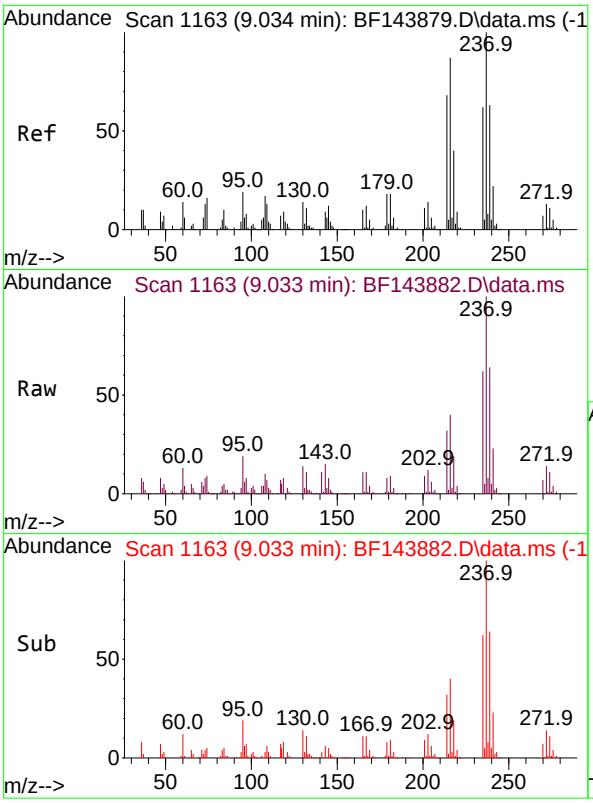


#40
1,2,4,5-Tetrachlorobenzene
Concen: 67.166 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:216 Resp: 594660

Ion	Ratio	Lower	Upper
216	100		
214	80.4	62.6	94.0
179	19.6	15.4	23.0
108	15.5	12.0	18.0





#41
Hexachlorocyclopentadiene
Concen: 81.998 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:237 Resp: 30117

Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.3	82.3
272	13.8	0.0	33.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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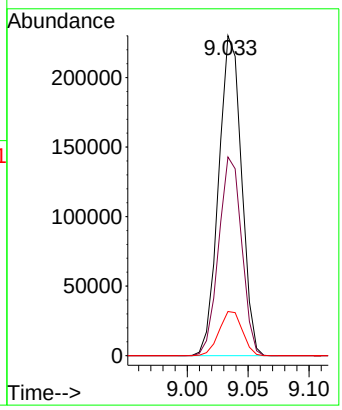
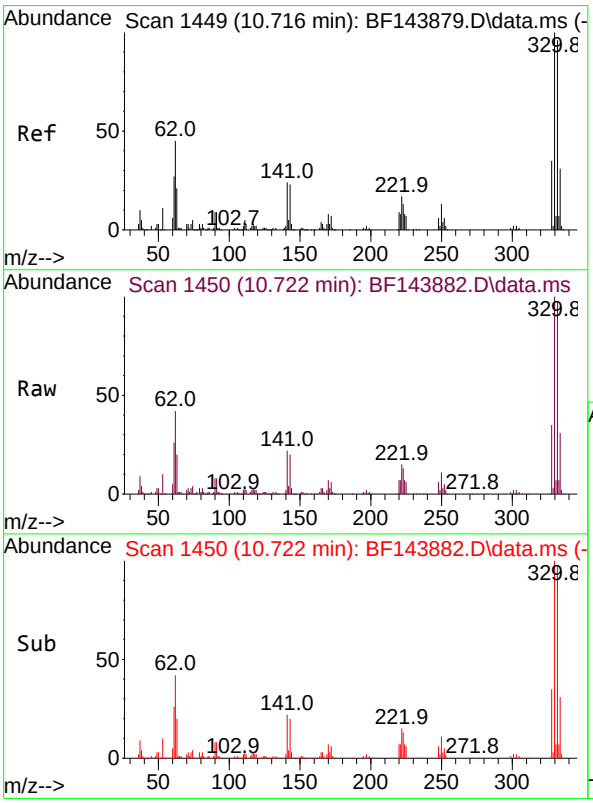
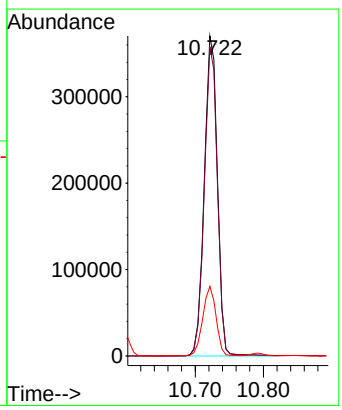


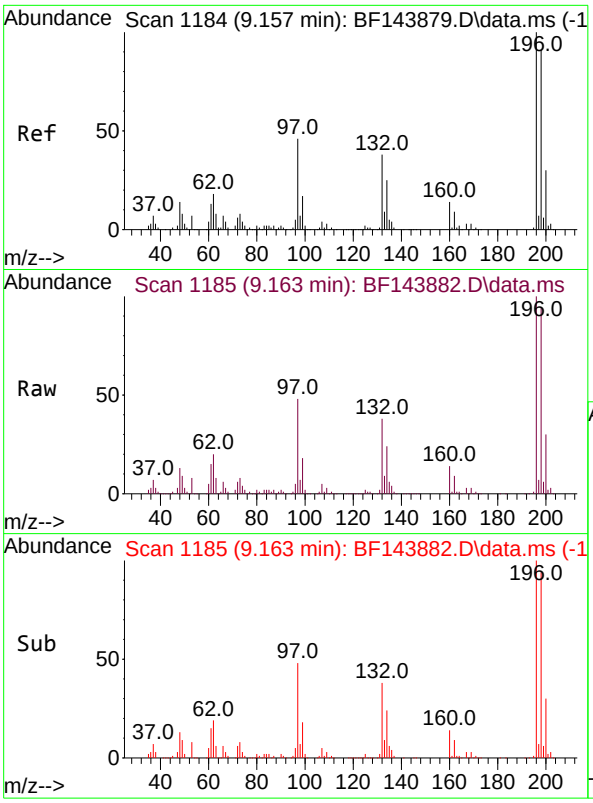


#42
2,4,6-Tribromophenol
Concen: 155.397 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:330 Resp: 495811

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.9	115.3
141	21.8	20.2	30.4

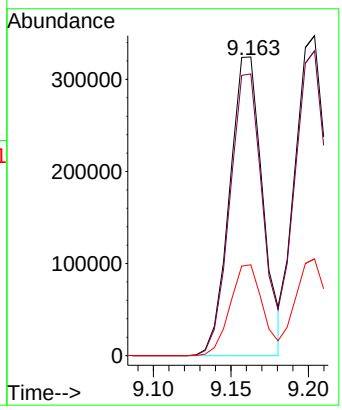




#43
2,4,6-Trichlorophenol
Concen: 74.487 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:196 Resp: 48185

Ion	Ratio	Lower	Upper
196	100		
198	94.4	72.8	109.2
200	30.4	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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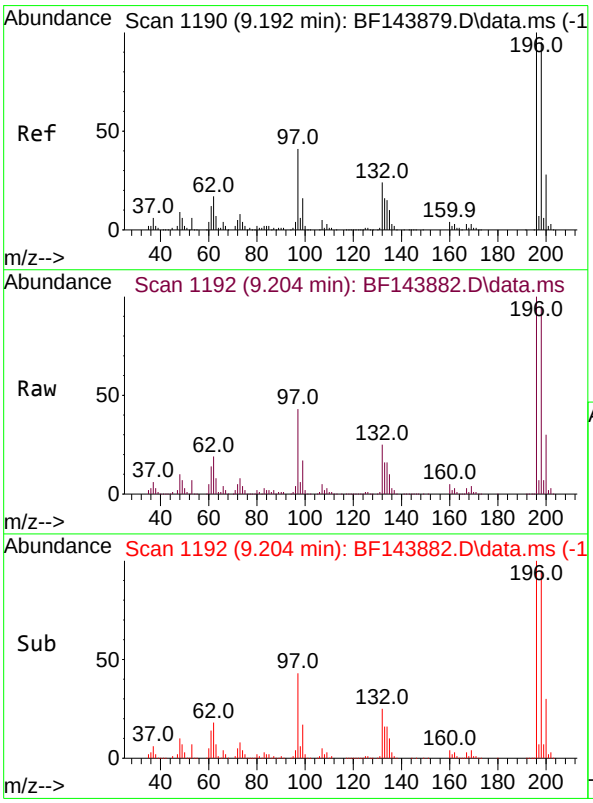
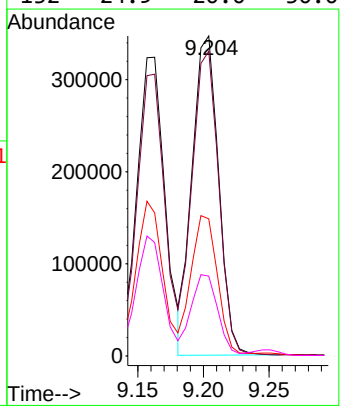
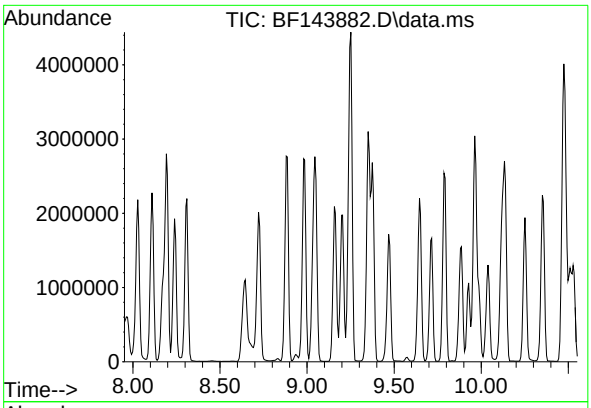


#44
2,4,5-Trichlorophenol
Concen: 71.286 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:196 Resp: 487322

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.5	113.3
97	42.8	33.9	50.9
132	24.9	20.0	30.0





#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.2
170	23.3

Instrument :
BNA_F
ClientSampleId :
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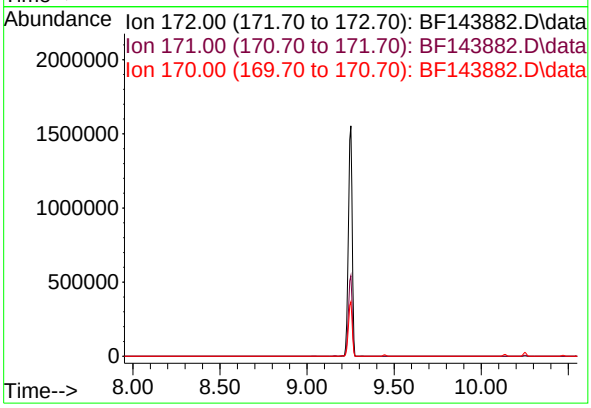
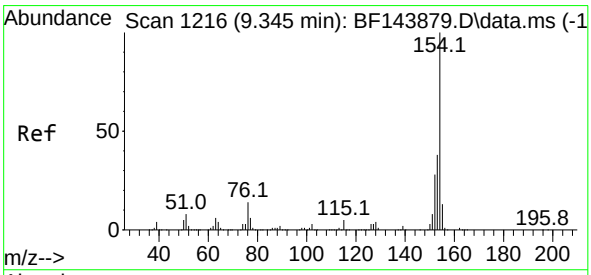
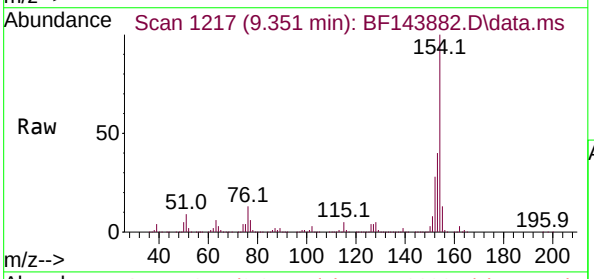


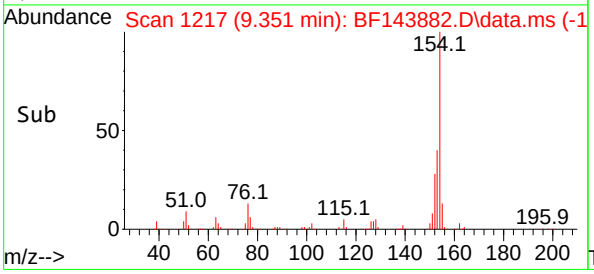


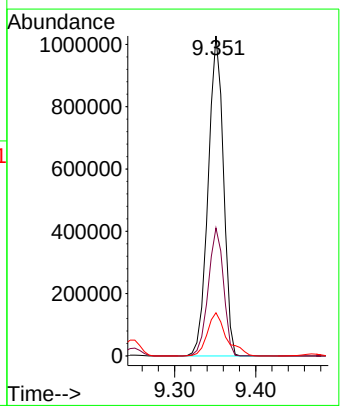
#46
1,1'-Biphenyl
Concen: 63.407 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

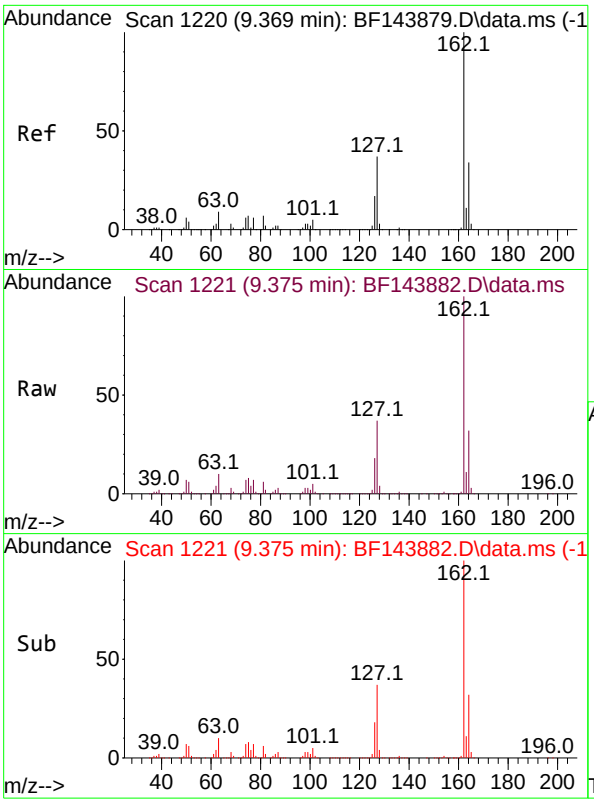
Tgt Ion:154 Resp: 1344805

Ion	Ratio	Lower	Upper
154	100		
153	40.0	18.4	58.4
76	13.5	0.0	34.0





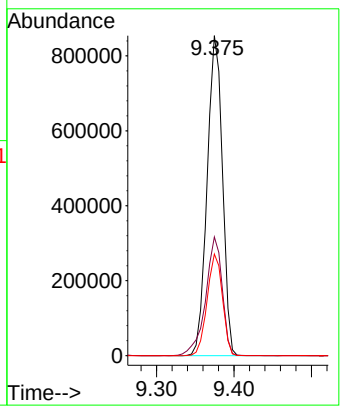




#47
2-Chloronaphthalene
Concen: 66.165 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:162 Resp: 1170019

Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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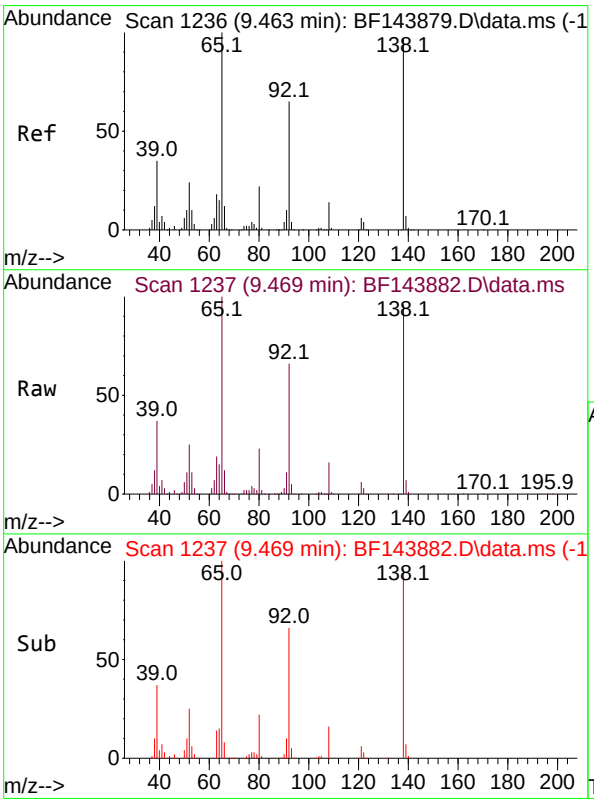
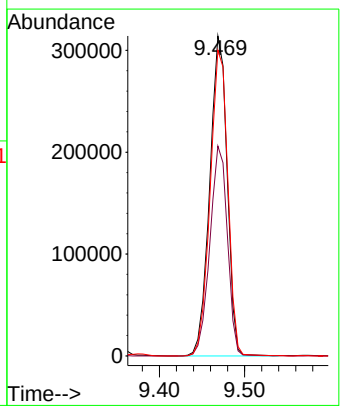
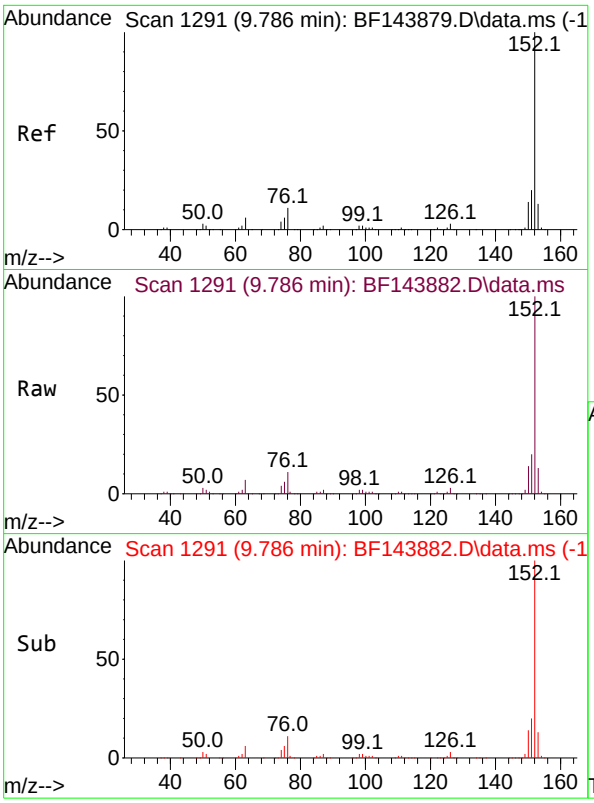


#48
2-Nitroaniline
Concen: 79.693 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 65 Resp: 445537

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.1	78.1
138	95.5	77.4	116.2

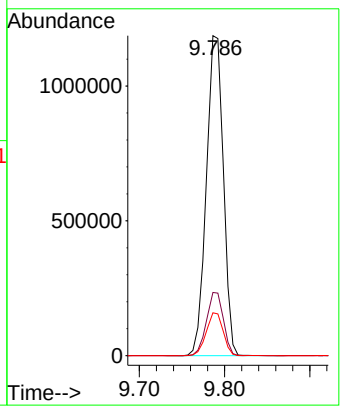




#49
Acenaphthylene
Concen: 66.159 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:152 Resp: 164472

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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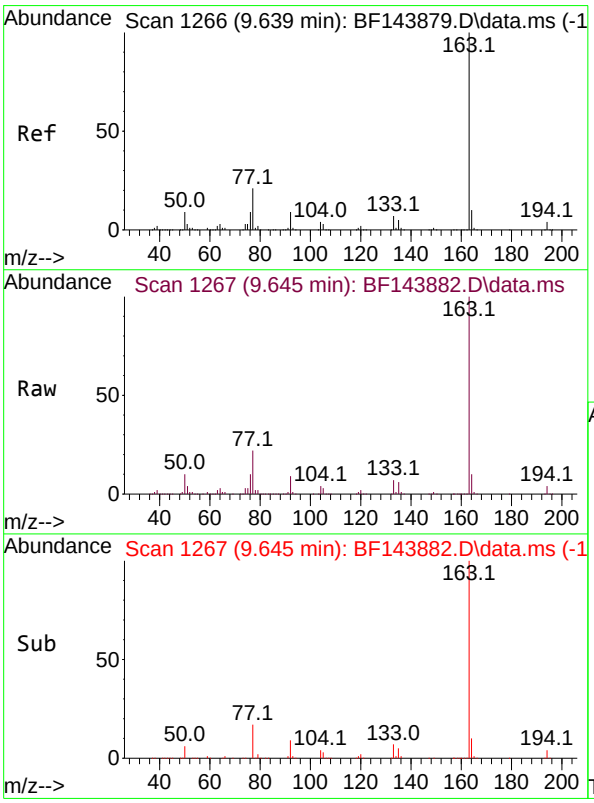
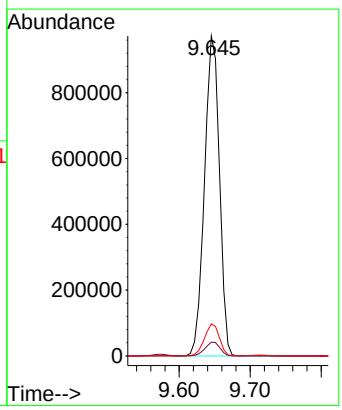
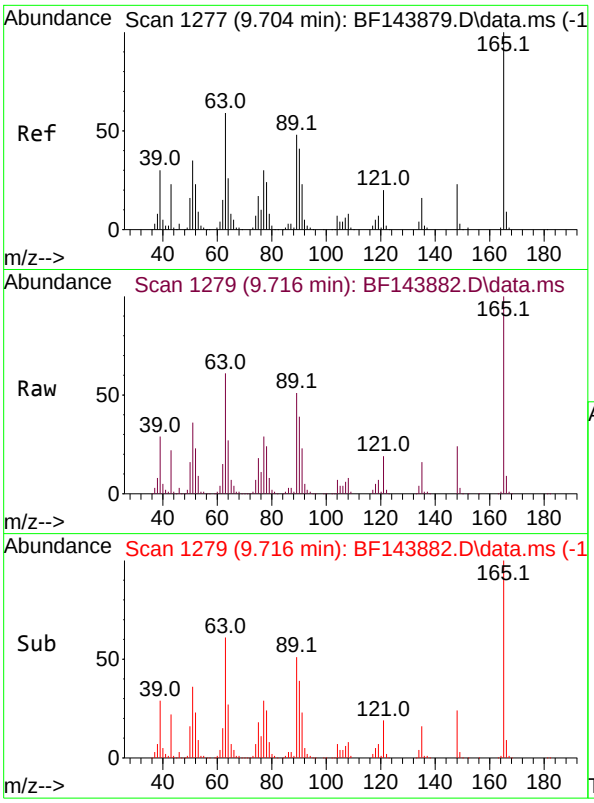


#50
Dimethylphthalate
Concen: 69.582 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:163 Resp: 1415482

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 80.372 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:165 Resp: 30317

Ion	Ratio	Lower	Upper
165	100		
63	60.5	47.3	70.9
89	51.0	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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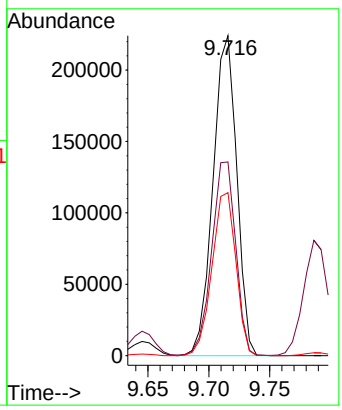
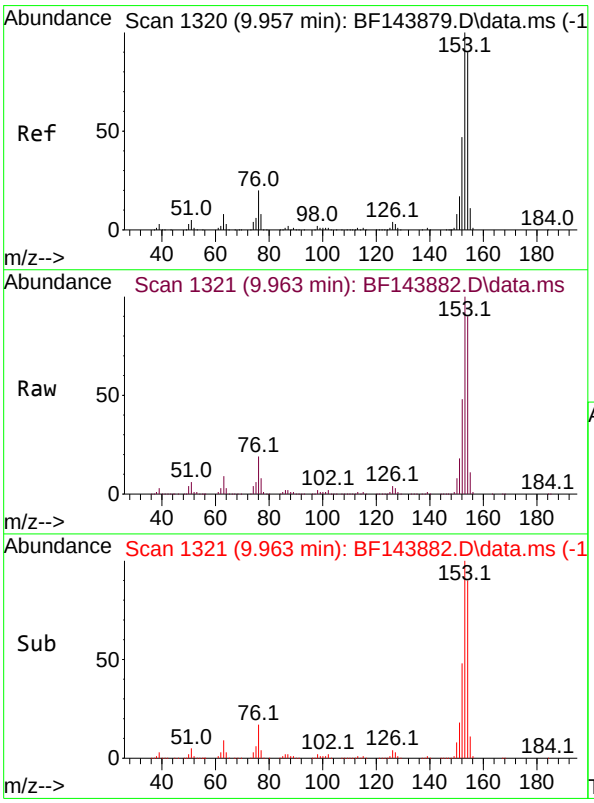
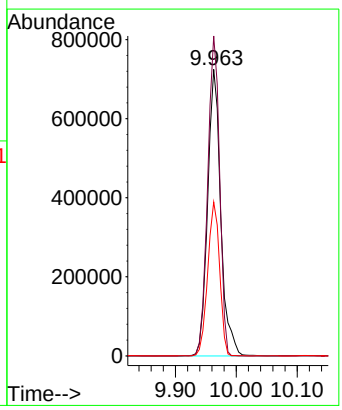


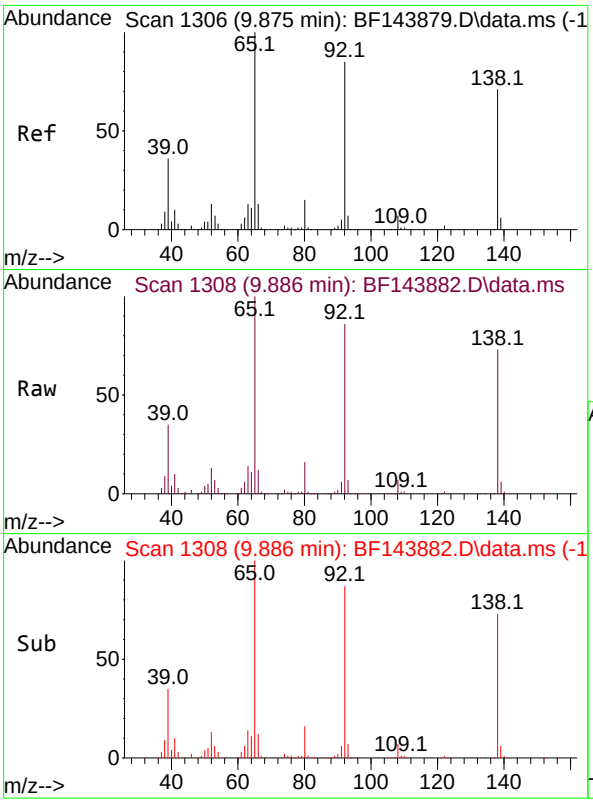


#52
Acenaphthene
Concen: 66.651 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:154 Resp: 1085733

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.3	133.9
152	53.7	42.2	63.2





#53
3-Nitroaniline
Concen: 79.233 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:138 Resp: 365960

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.3	12.5
92	118.0	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
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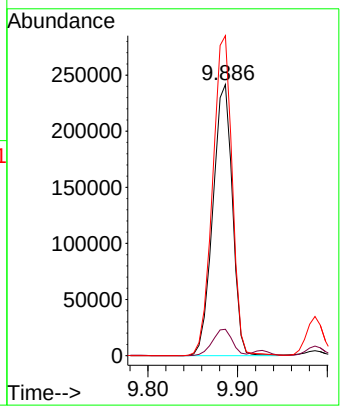
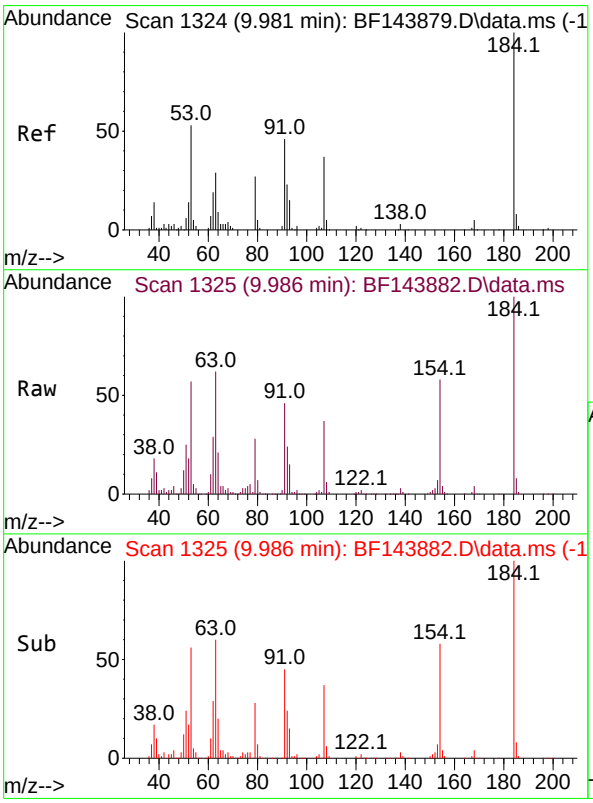
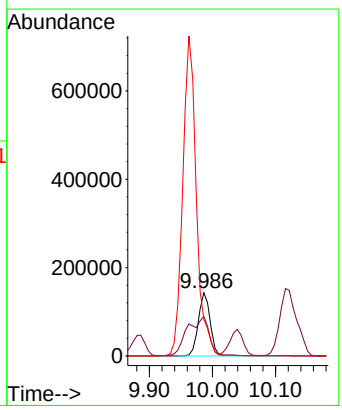


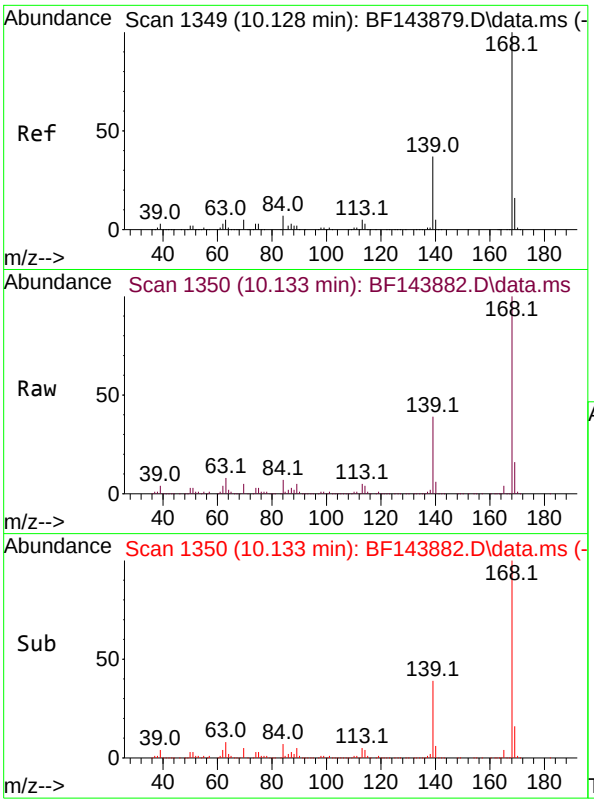


#54
2,4-Dinitrophenol
Concen: 80.556 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:184 Resp: 187560

Ion	Ratio	Lower	Upper
184	100		
63	62.4	48.2	72.4
154	58.5	49.2	73.8

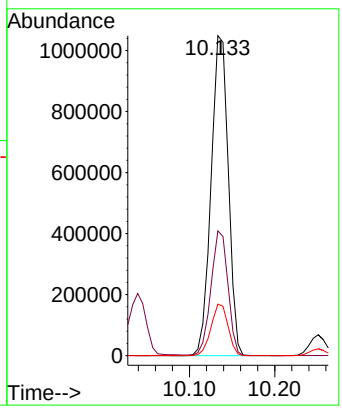




#55
Dibenzofuran
Concen: 63.998 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:168 Resp: 147162

Ion	Ratio	Lower	Upper
168	100		
139	39.0	29.8	44.8
169	16.1	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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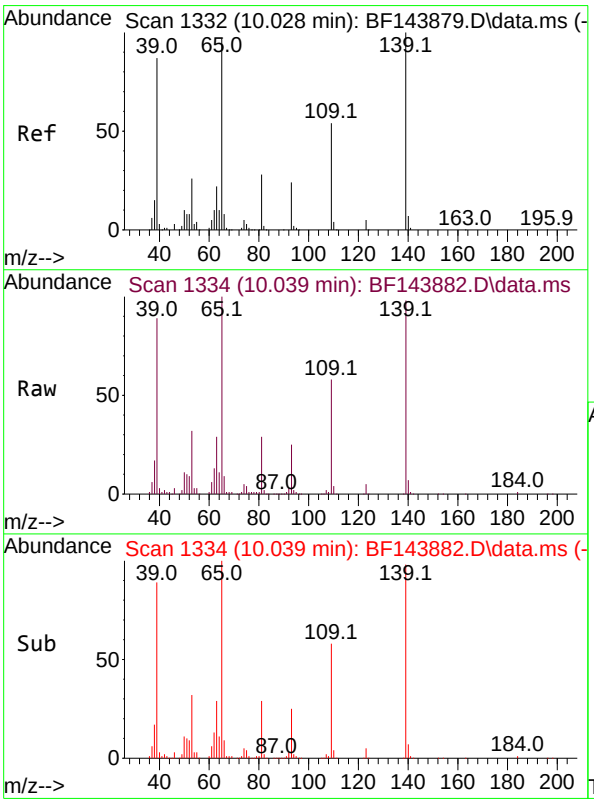
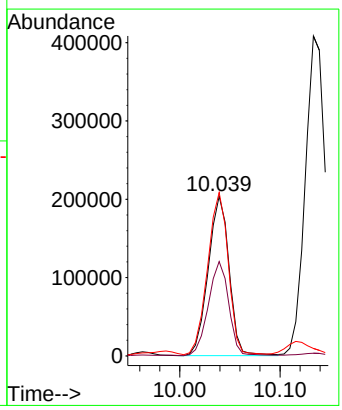
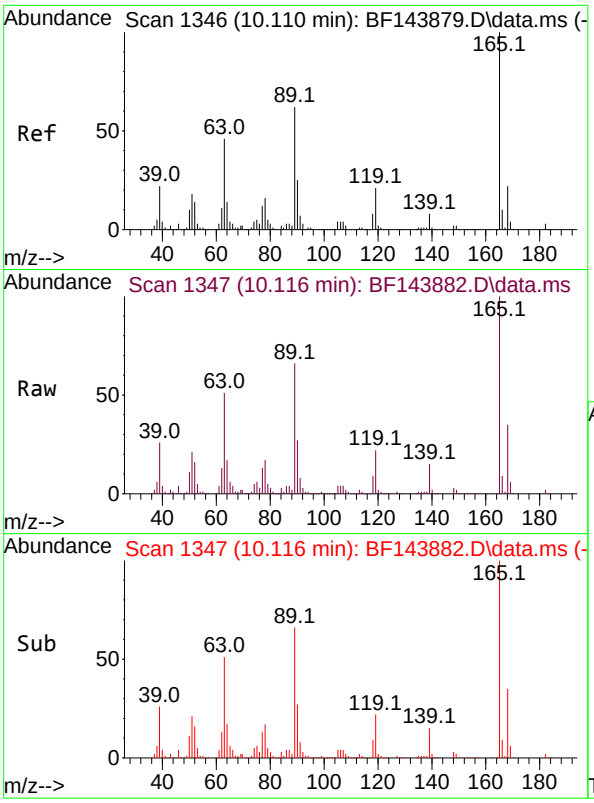


#56
4-Nitrophenol
Concen: 84.335 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:139 Resp: 294937

Ion	Ratio	Lower	Upper
139	100		
109	59.0	34.5	74.5
65	102.4	77.6	117.6

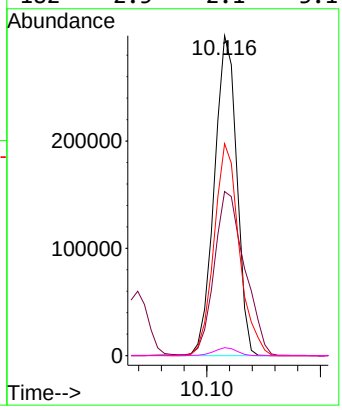




#57
2,4-Dinitrotoluene
Concen: 79.779 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:165 Resp: 40946

Ion	Ratio	Lower	Upper
165	100		
63	51.3	37.2	55.8
89	66.2	49.4	74.2
182	2.5	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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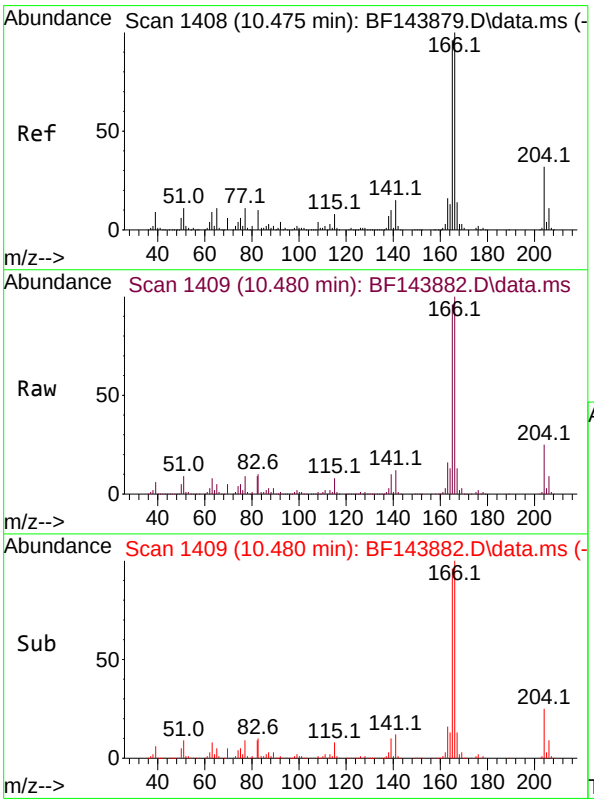
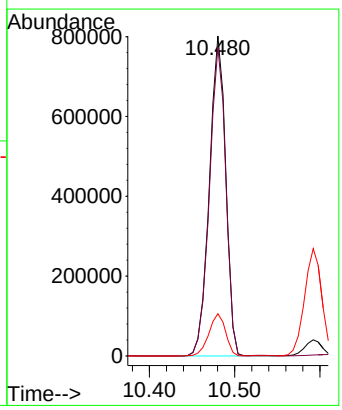
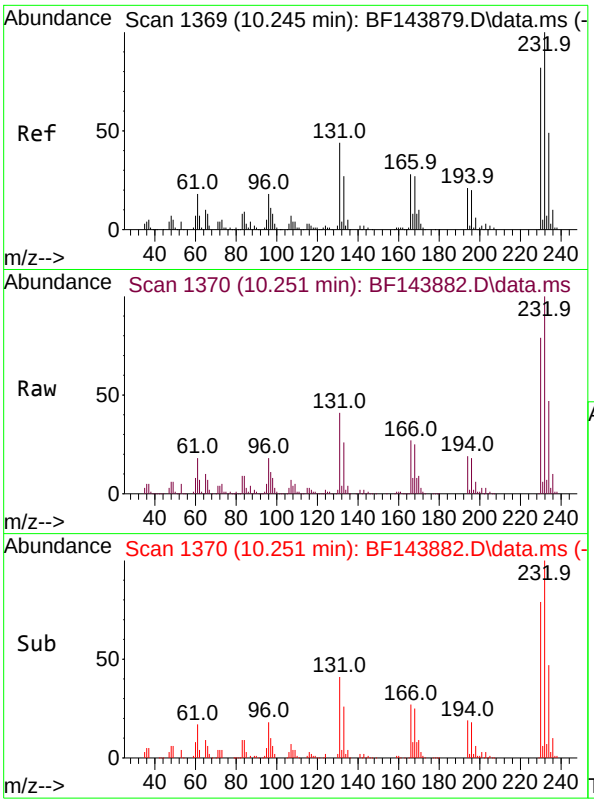


#58
Fluorene
Concen: 61.654 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:166 Resp: 1069764

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.0	115.6
167	13.2	11.1	16.7

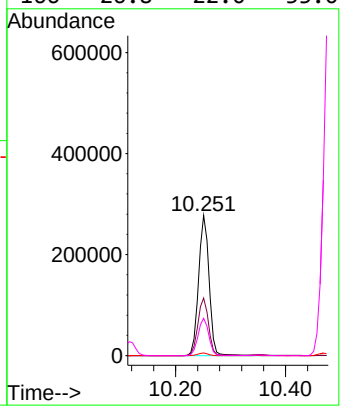




#59
2,3,4,6-Tetrachlorophenol
Concen: 76.170 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:232 Resp: 36859

Ion	Ratio	Lower	Upper
232	100		
131	41.5	34.9	52.3
130	1.8	1.6	2.4
166	26.8	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
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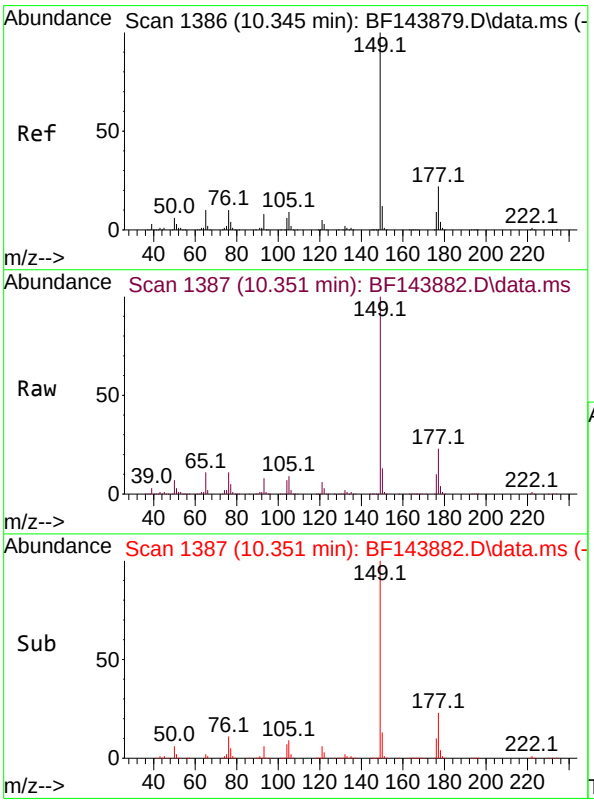
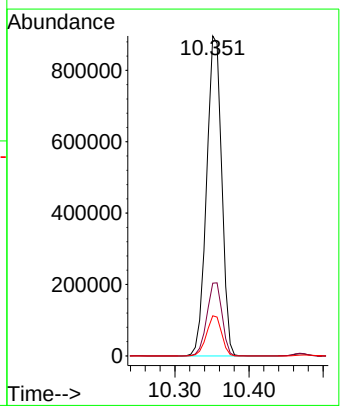
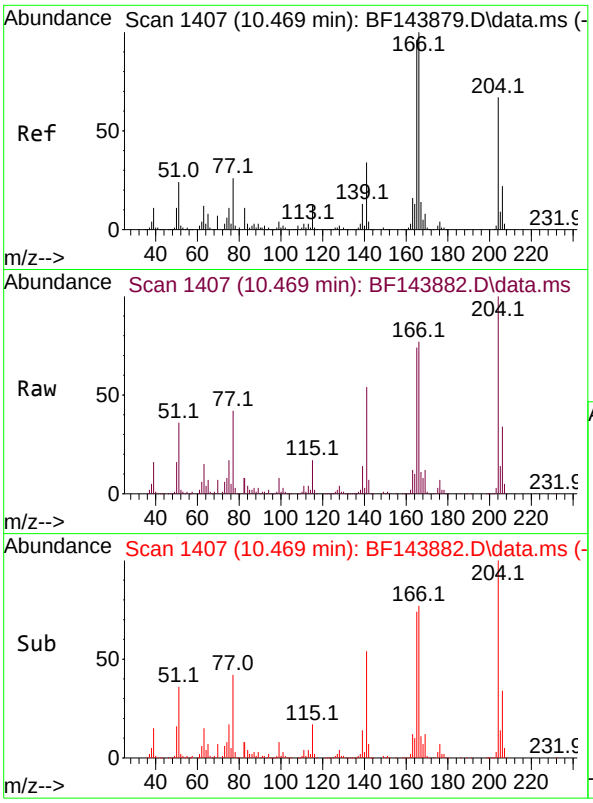


#60
Diethylphthalate
Concen: 67.047 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 1267085

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.5	9.8	14.8

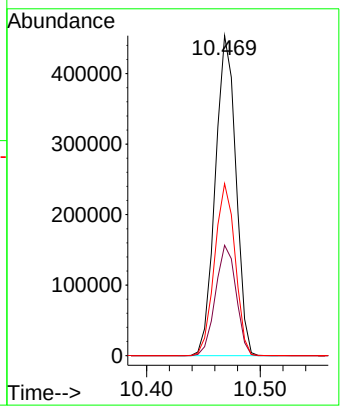




#61
4-Chlorophenyl-phenylether
Concen: 62.357 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:204 Resp: 57203

Ion	Ratio	Lower	Upper
204	100		
206	34.5	26.6	40.0
141	53.7	40.4	60.6



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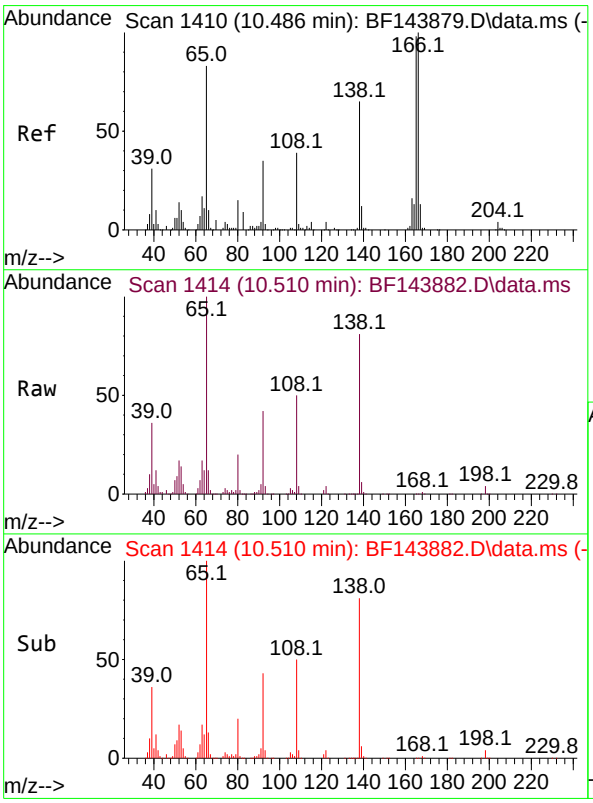
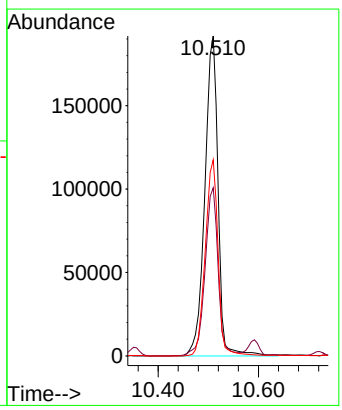
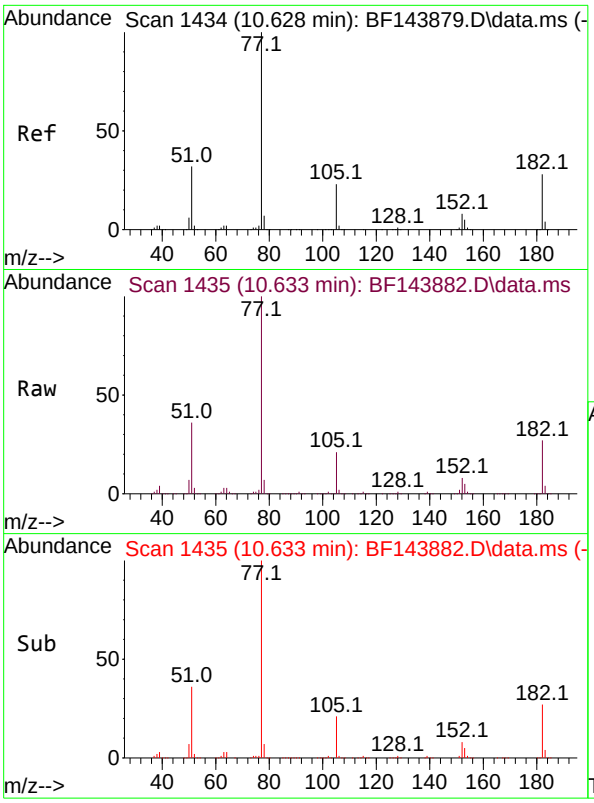


#62
4-Nitroaniline
Concen: 79.169 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:138 Resp: 351634

Ion	Ratio	Lower	Upper
138	100		
92	52.5	33.9	73.9
108	61.3	40.2	80.2

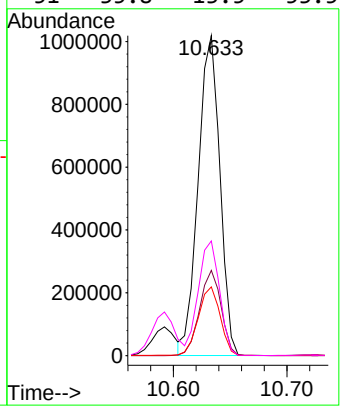




#63
Azobenzene
Concen: 68.446 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 135192

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	21.5	3.0	43.0
51	35.8	13.5	53.5



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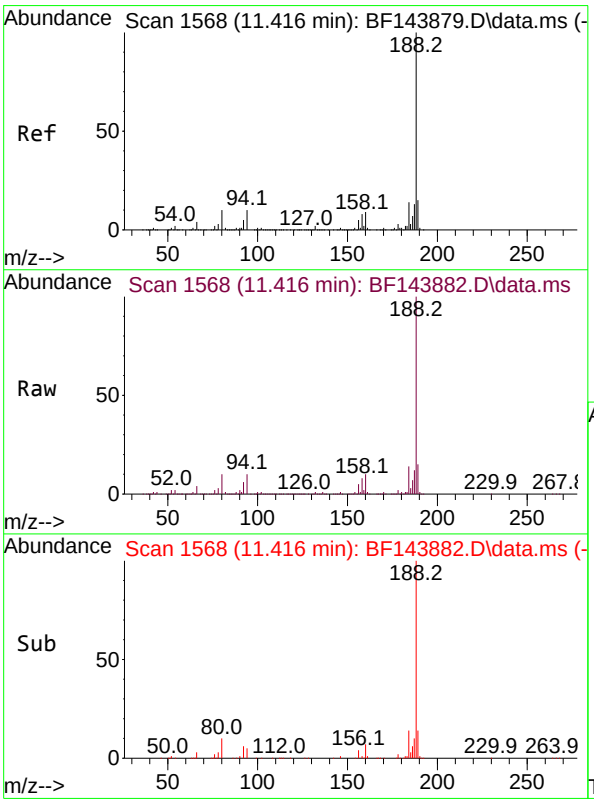
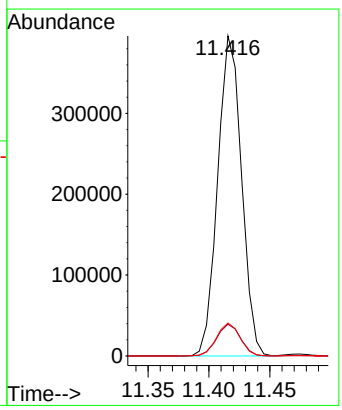
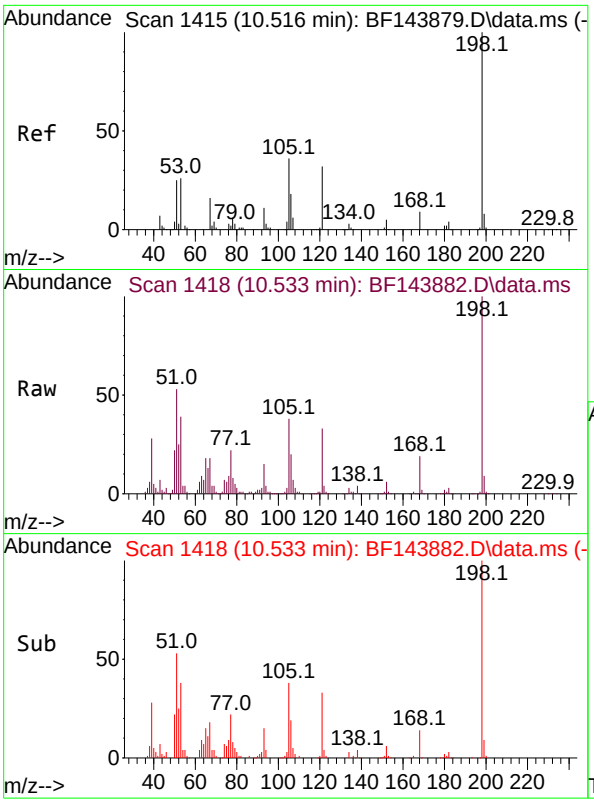


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:188 Resp: 540366

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.3	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 87.227 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:198 Resp: 23686

Ion	Ratio	Lower	Upper
198	100		
51	53.0	33.8	73.8
105	37.7	17.0	57.0

Instrument :
BNA_F
ClientSampleId :
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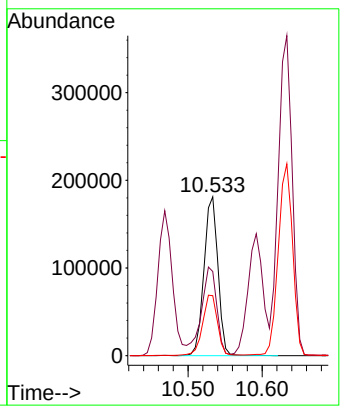
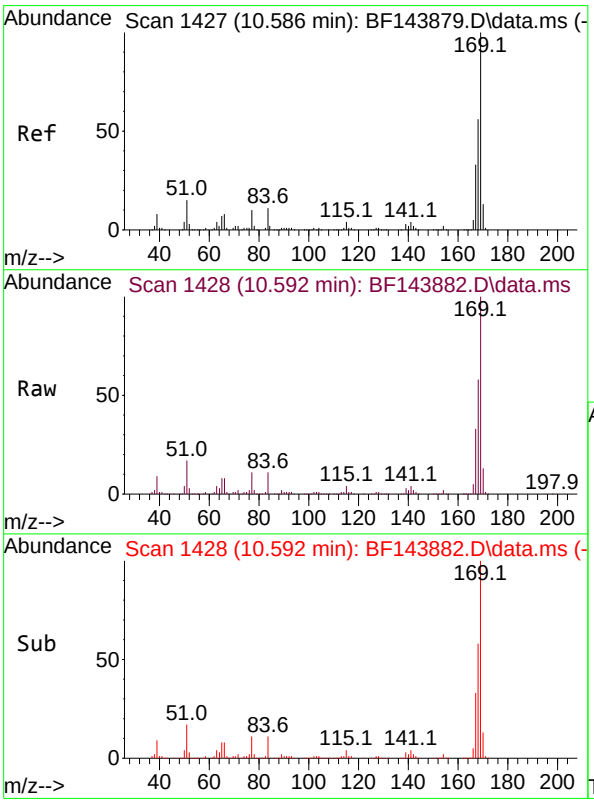
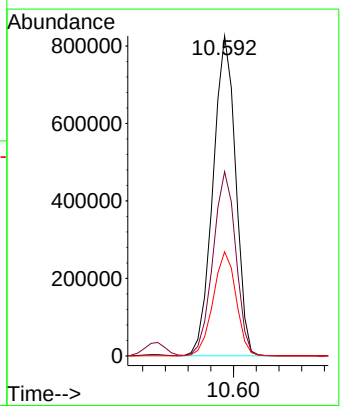


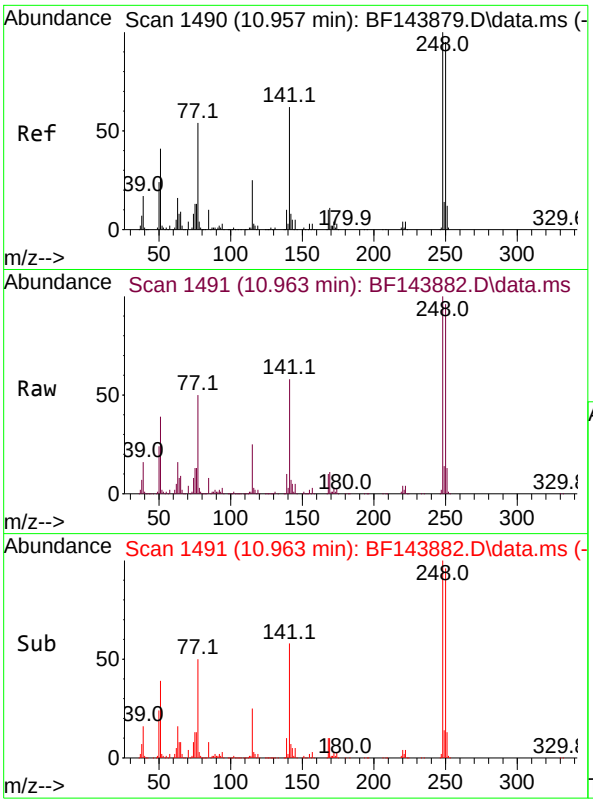


#66
n-Nitrosodiphenylamine
Concen: 67.159 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:169 Resp: 1139482

Ion	Ratio	Lower	Upper
169	100		
168	57.6	44.9	67.3
167	32.5	26.3	39.5

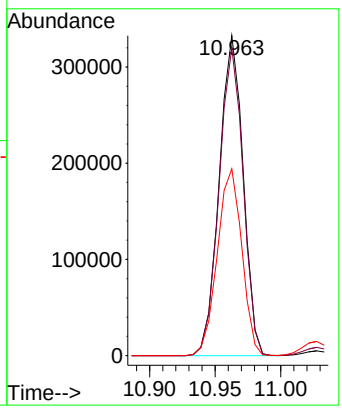




#67
4-Bromophenyl-phenylether
Concen: 70.857 ng
RT: 10.963 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:248 Resp: 42314

Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.3	114.5
141	58.4	49.7	74.5



Instrument :
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ClientSampleId :
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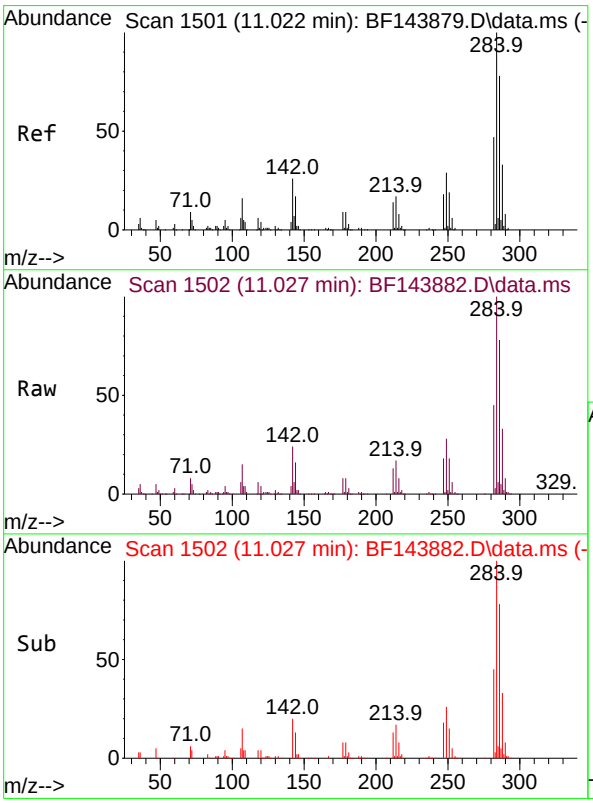
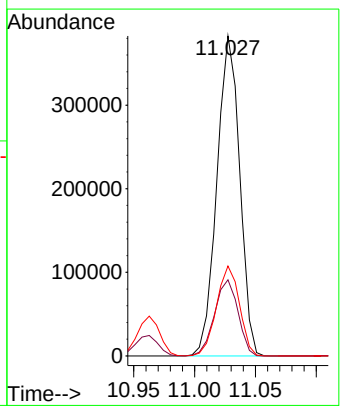
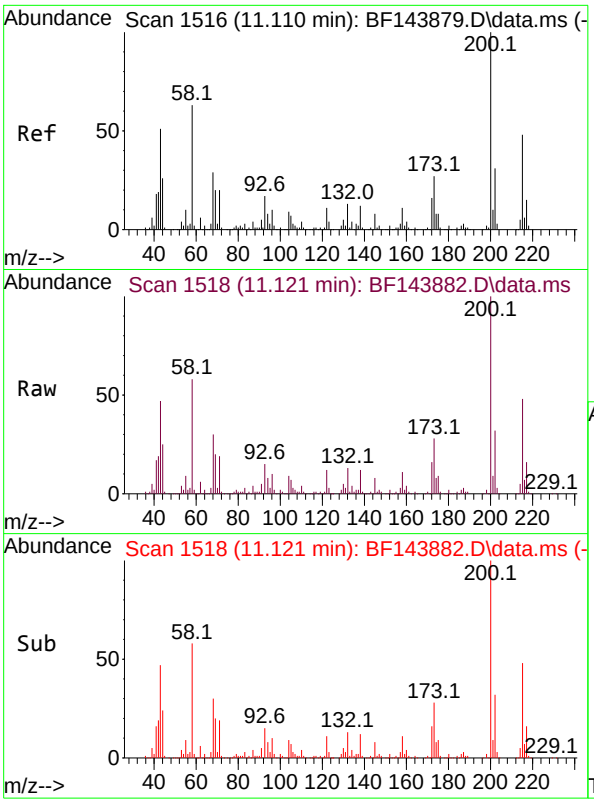


#68
Hexachlorobenzene
Concen: 72.118 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:284 Resp: 498602

Ion	Ratio	Lower	Upper
284	100		
142	23.8	20.6	30.8
249	28.1	23.2	34.8

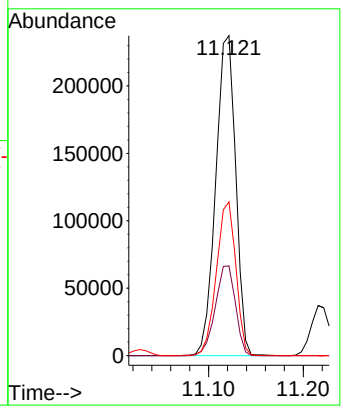




#69
Atrazine
Concen: 67.621 ng
RT: 11.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:200 Resp: 34774

Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.0	47.0
215	48.0	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
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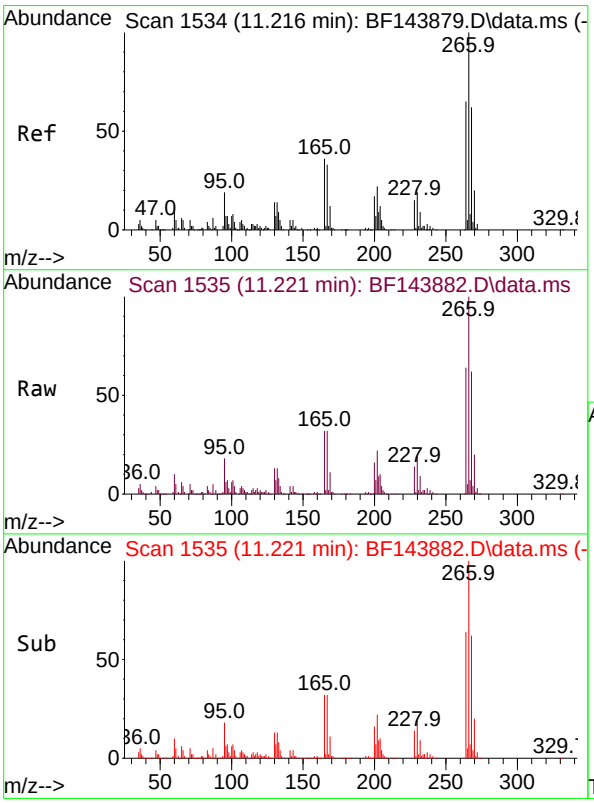
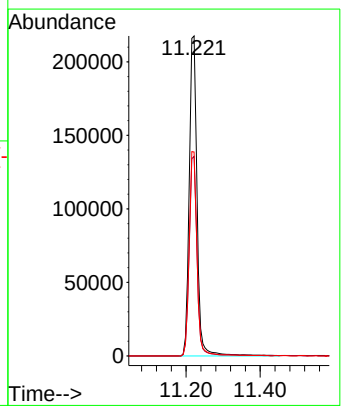
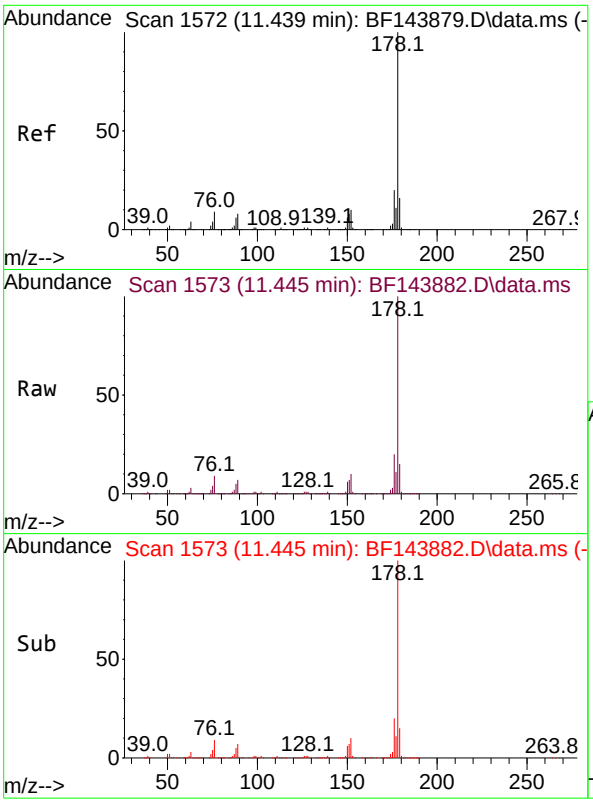


#70
Pentachlorophenol
Concen: 80.208 ng
RT: 11.221 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:266 Resp: 318486

Ion	Ratio	Lower	Upper
266	100		
268	62.3	49.4	74.0
264	63.7	51.8	77.6

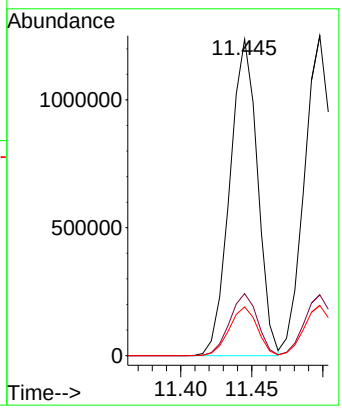




#71
Phenanthrene
Concen: 63.980 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:178 Resp: 167608

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.4	12.4	18.6



Instrument :
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ClientSampleId :
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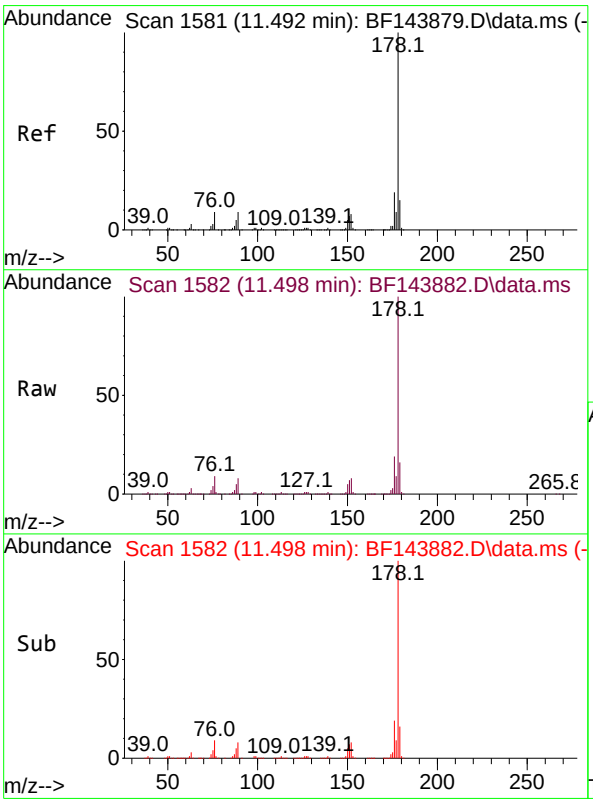
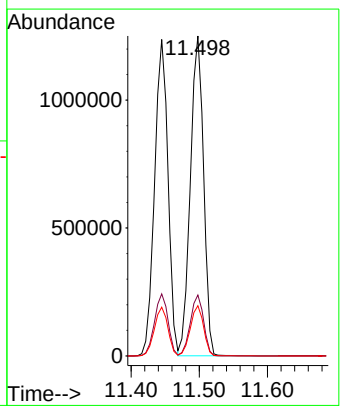
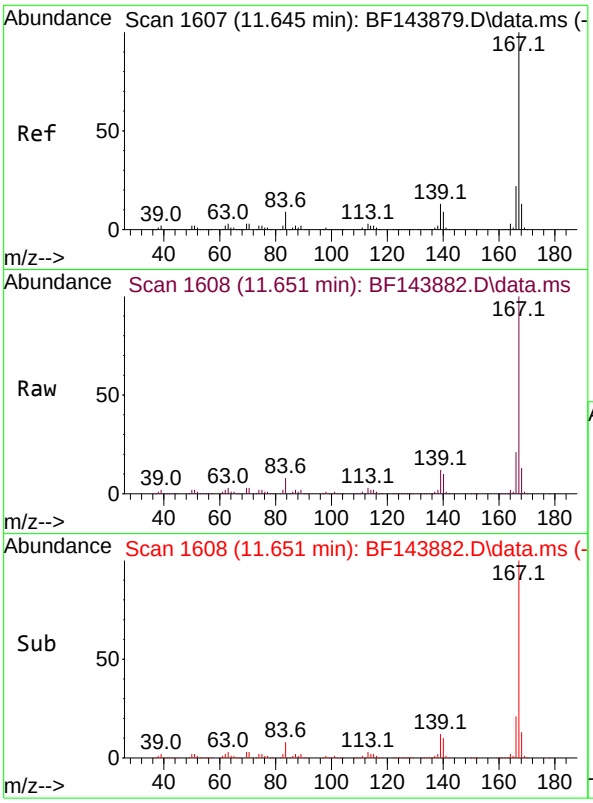


#72
Anthracene
Concen: 63.814 ng
RT: 11.498 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:178 Resp: 1688865

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.2	18.2

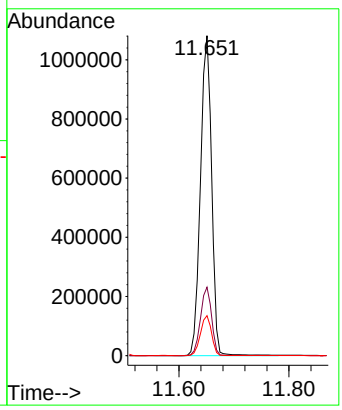




#73
Carbazole
Concen: 64.832 ng
RT: 11.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:167 Resp: 151961

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.5	10.1	15.1



Instrument :
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ClientSampleId :
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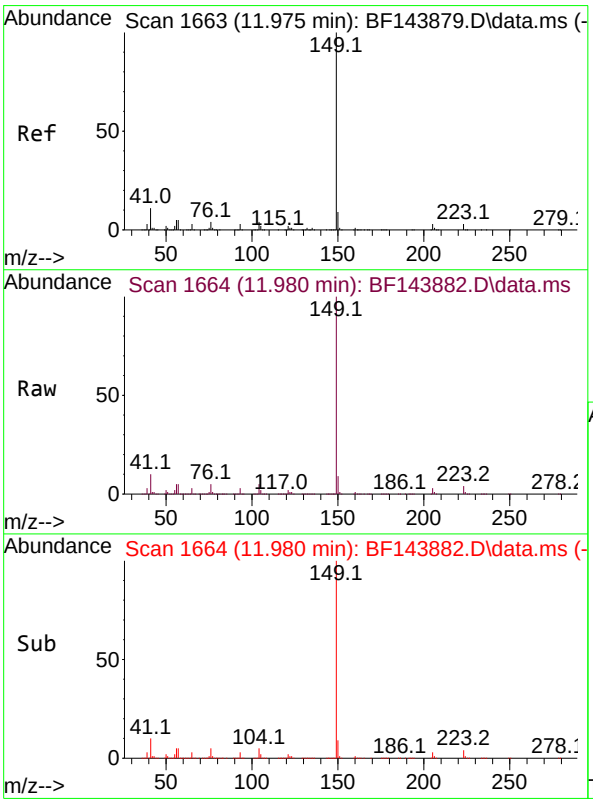
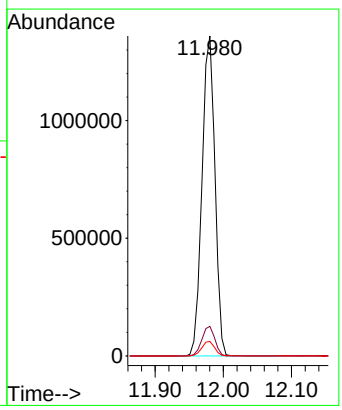
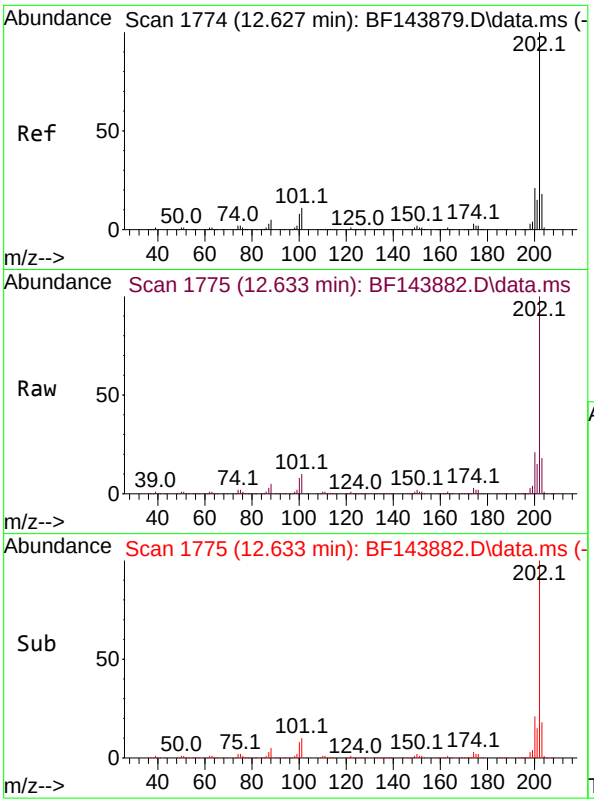


#74
Di-n-butylphthalate
Concen: 66.034 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 1793855

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.5	3.4	5.2

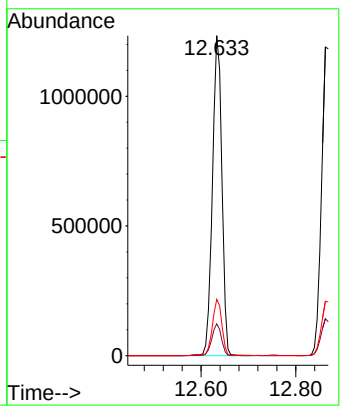




#75
Fluoranthene
Concen: 63.059 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:202 Resp: 170636

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.7
203	17.6	0.0	37.8



Instrument :
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ClientSampleId :
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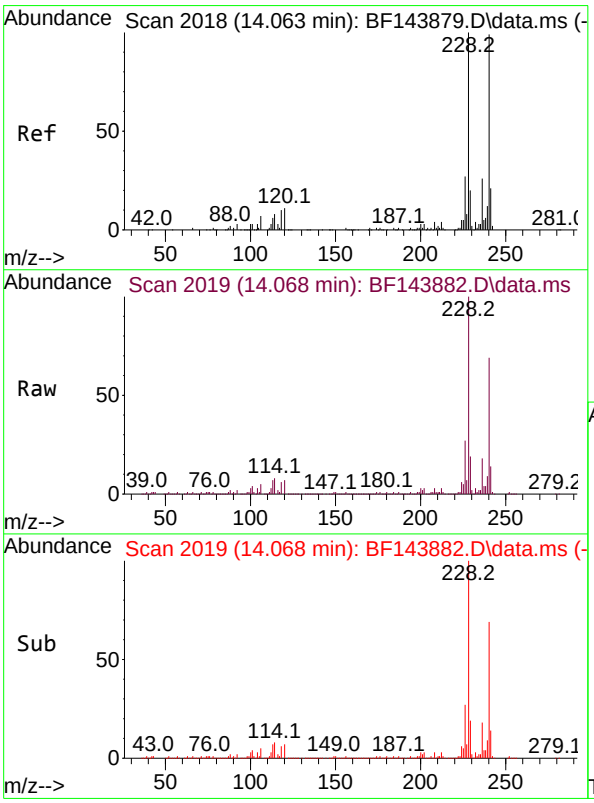
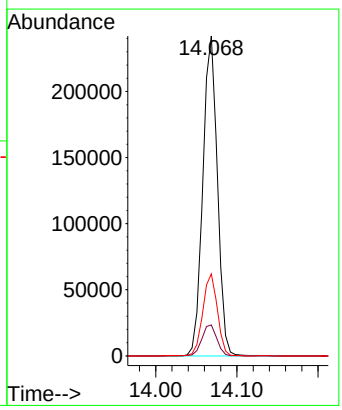
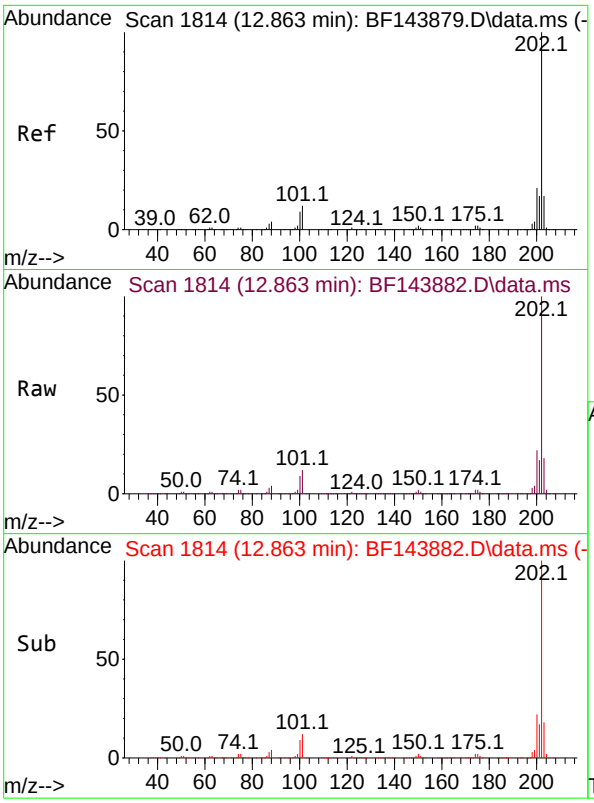


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:240 Resp: 302500

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	13.0
236	25.6	21.1	31.7

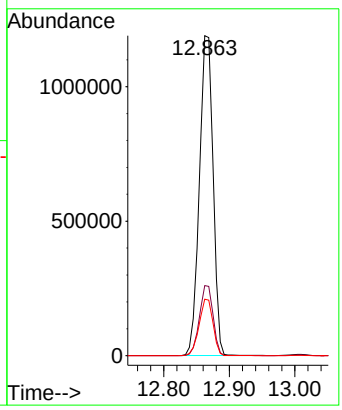




#78
Pyrene
Concen: 68.126 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:202 Resp: 171808

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.6
203	17.6	13.8	20.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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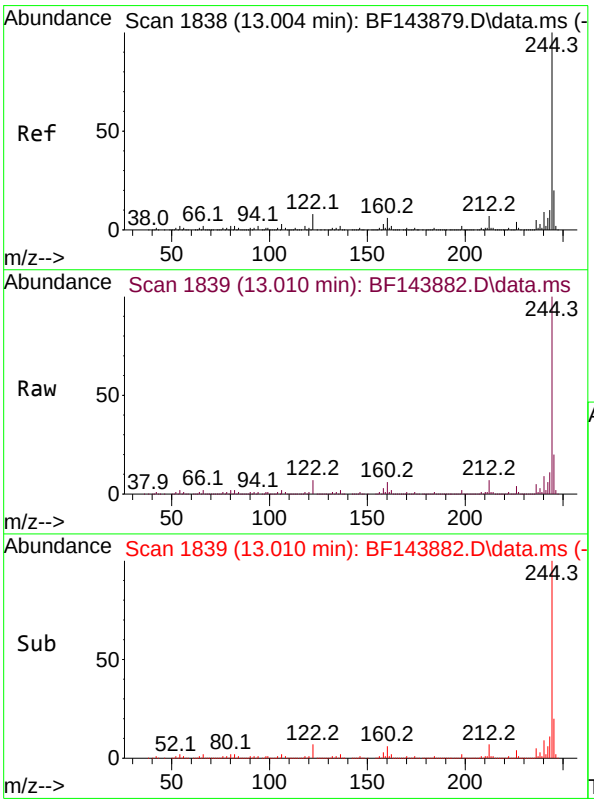
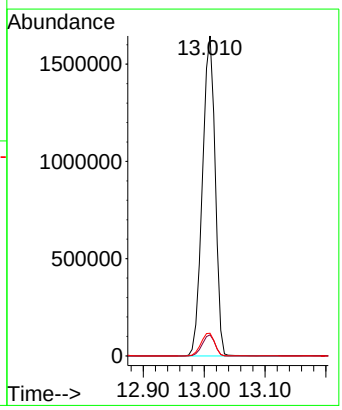
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

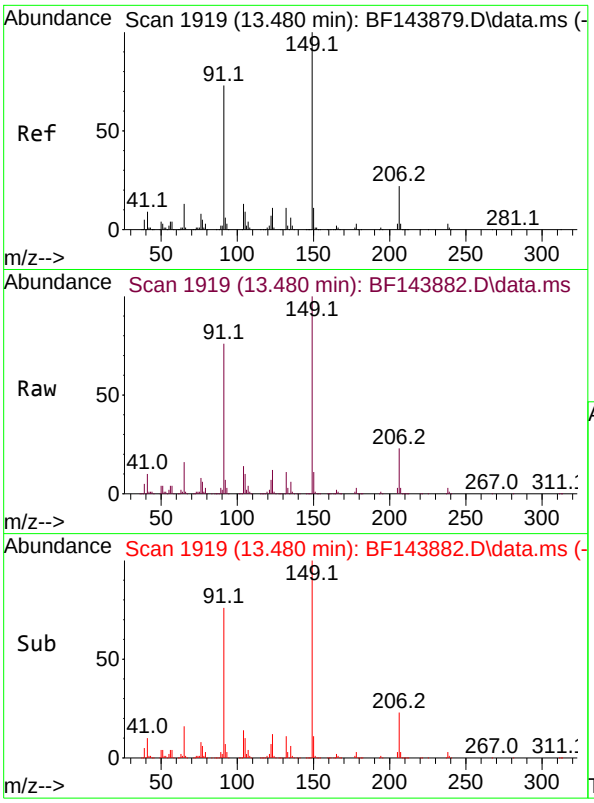


#79
Terphenyl-d14
Concen: 134.604 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:244 Resp: 2382437

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	7.1	6.4	9.6

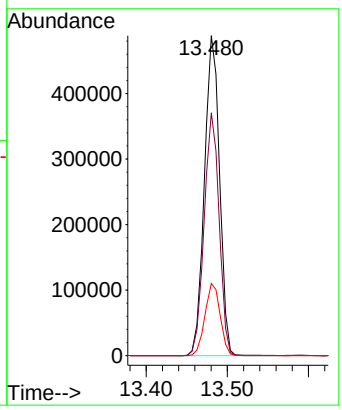




#80
Butylbenzylphthalate
Concen: 77.349 ng
RT: 13.480 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 63351

Ion	Ratio	Lower	Upper
149	100		
91	75.9	58.2	87.2
206	22.5	17.9	26.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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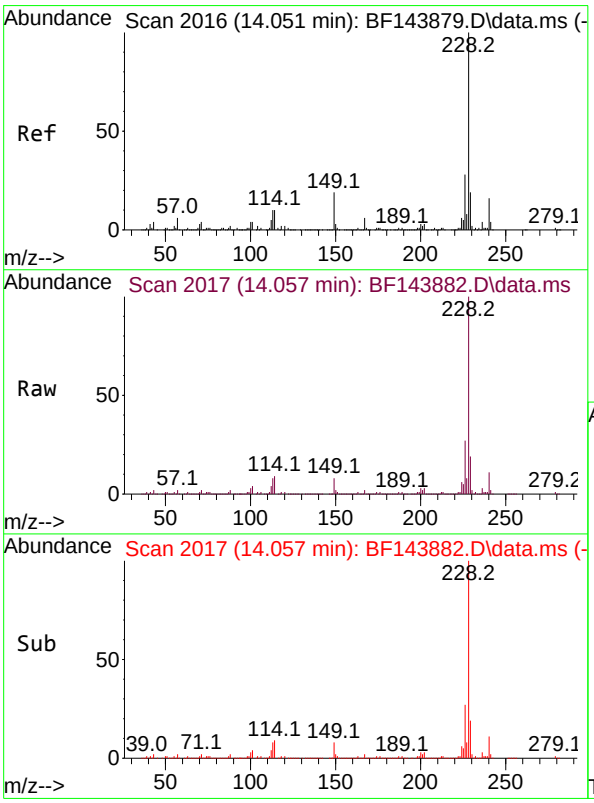
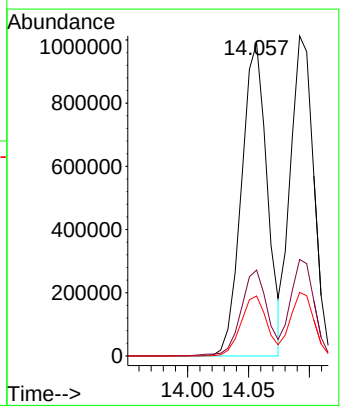
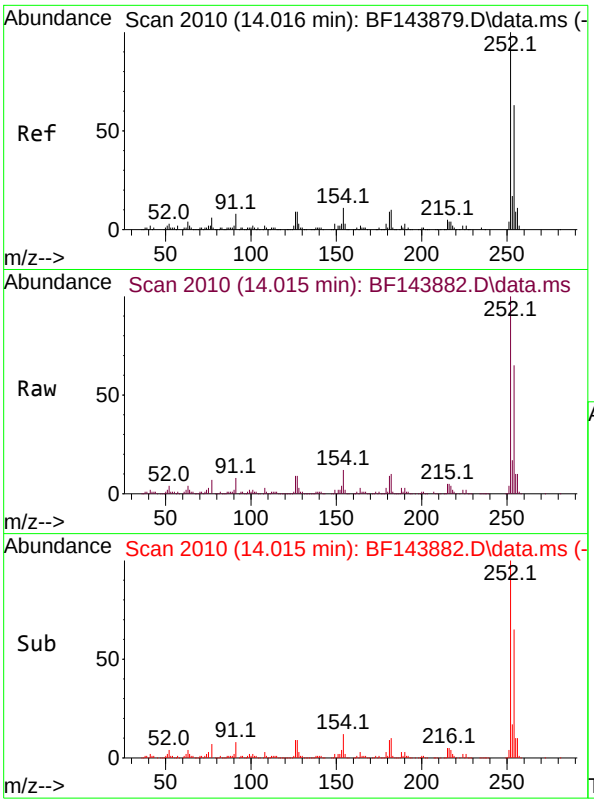


#81
Benzo(a)anthracene
Concen: 73.238 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:228 Resp: 1449801

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	19.2	15.6	23.4

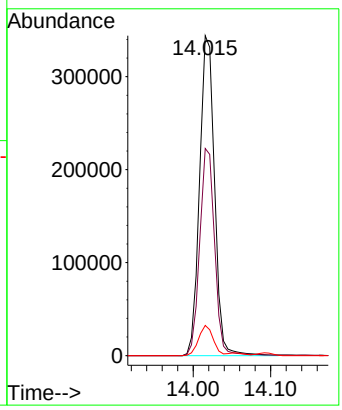




#82
3,3'-Dichlorobenzidine
Concen: 76.476 ng
RT: 14.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 461359

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	76.0
126	9.4	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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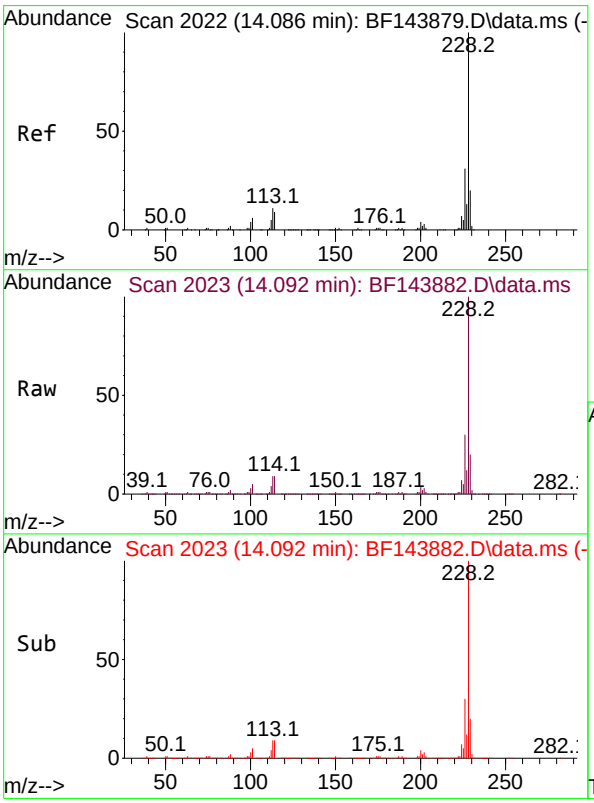
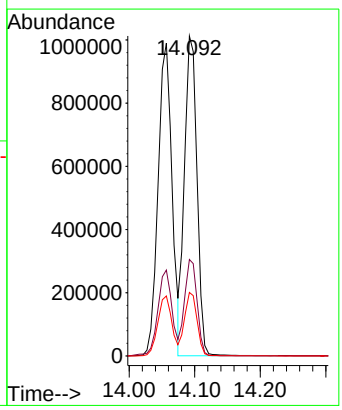
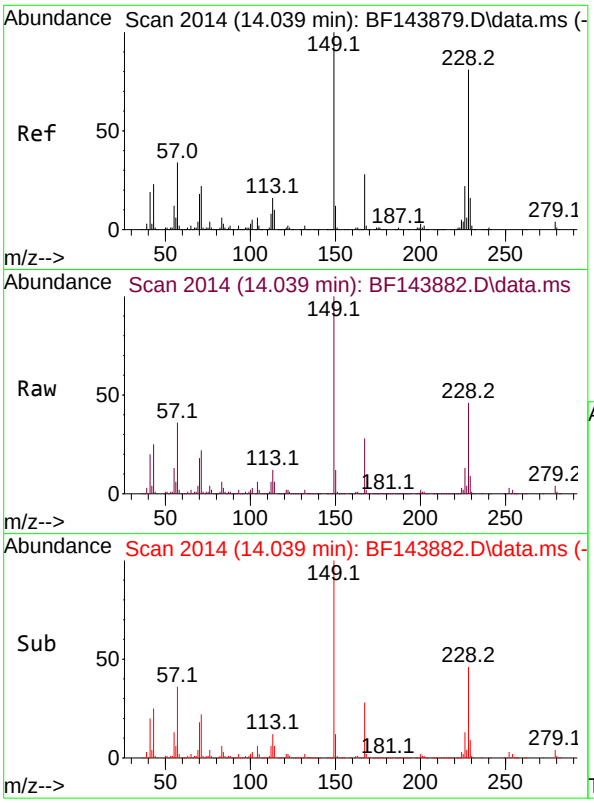


#83
Chrysene
Concen: 73.645 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:228 Resp: 1349286

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	19.8	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 75.897 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 74932

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.3	3.1	4.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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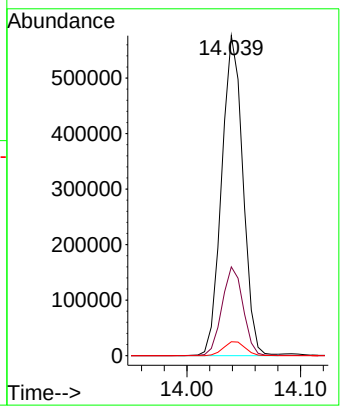
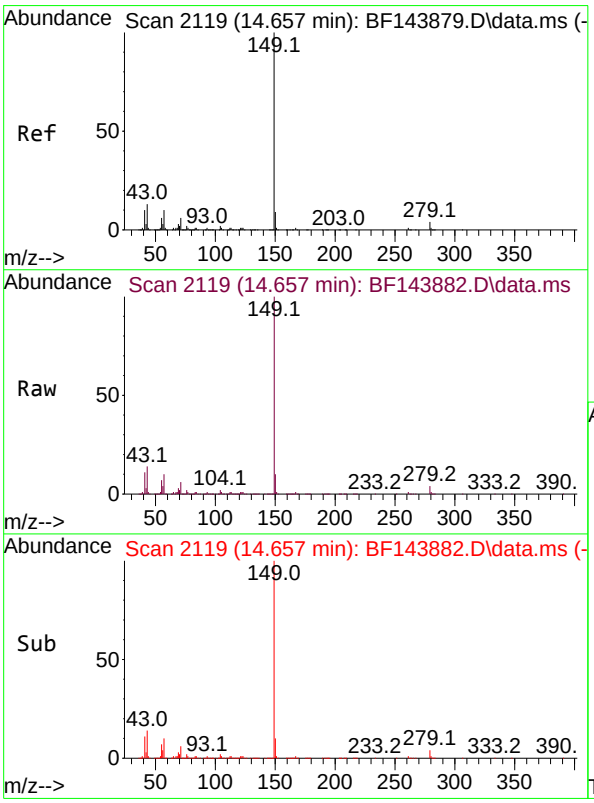
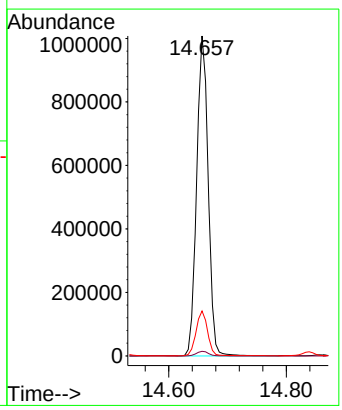


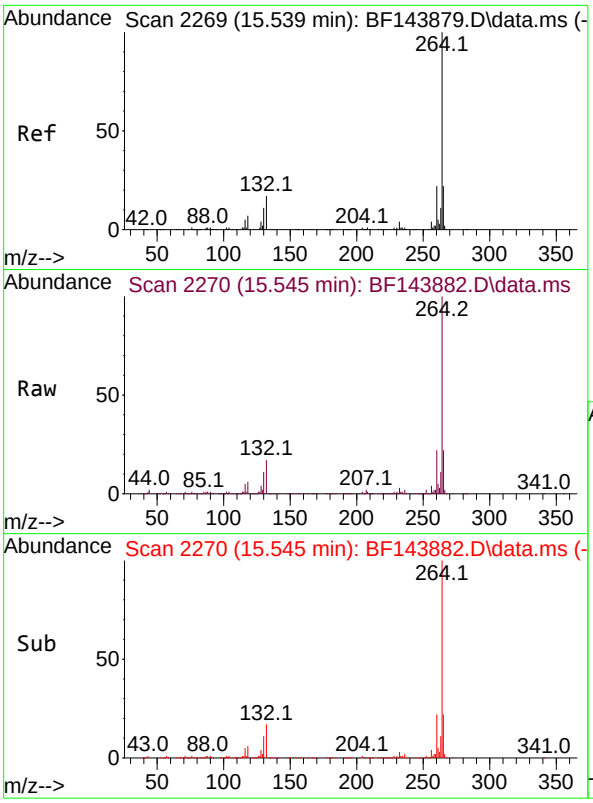


#85
Di-n-octyl phthalate
Concen: 84.532 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 1370760

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.1	11.0	16.4

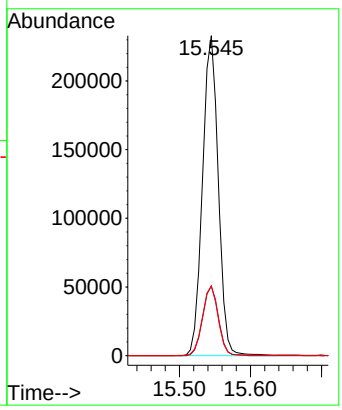




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:264 Resp: 35791

Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.8	26.8
265	21.7	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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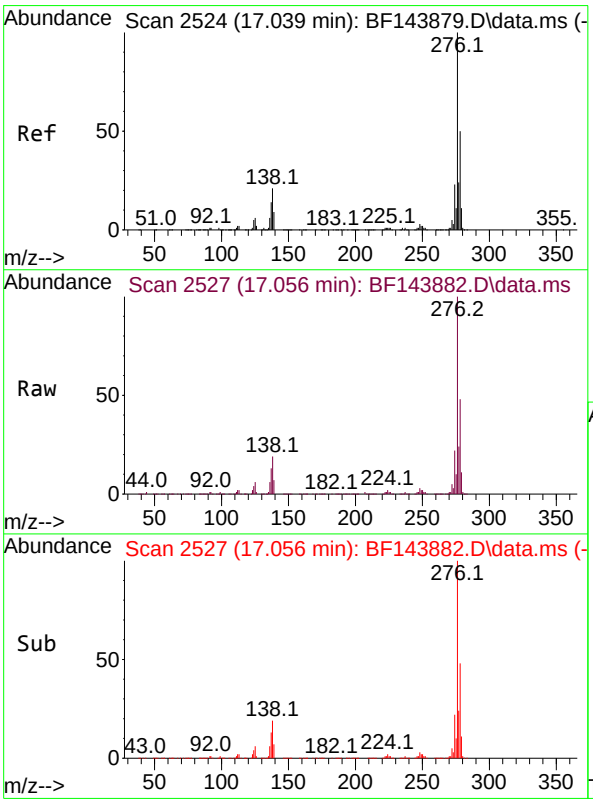
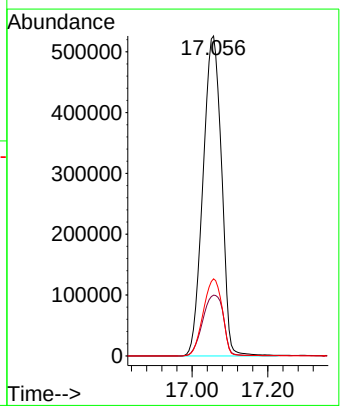
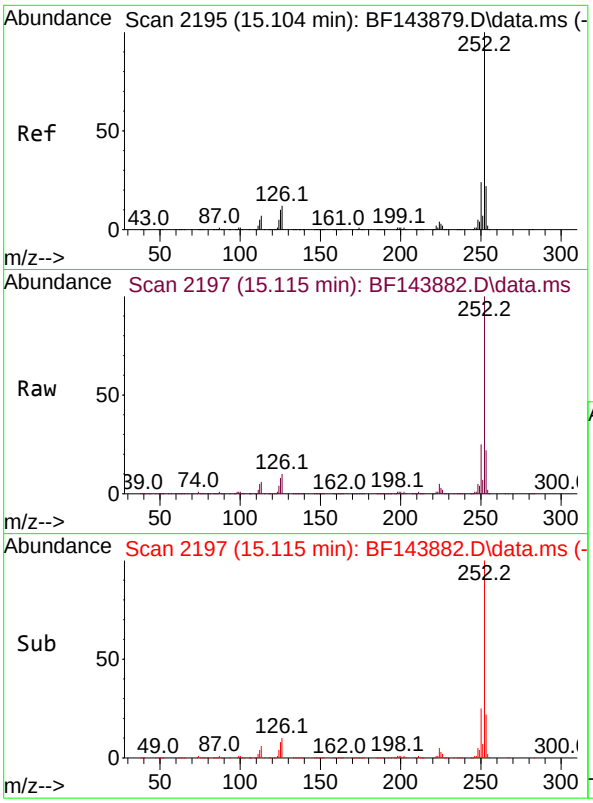


#87
Indeno(1,2,3-cd)pyrene
Concen: 81.478 ng
RT: 17.056 min Scan# 2527
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:276 Resp: 1786876

Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.2	27.2
277	24.7	19.8	29.6

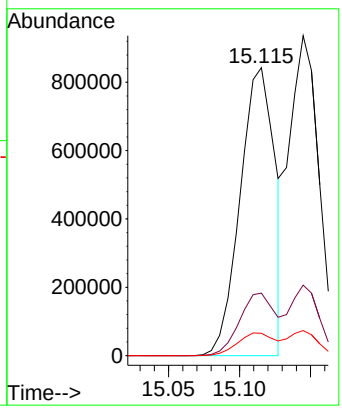




#88
Benzo(b)fluoranthene
Concen: 69.645 ng
RT: 15.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 143187

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.8	7.8	11.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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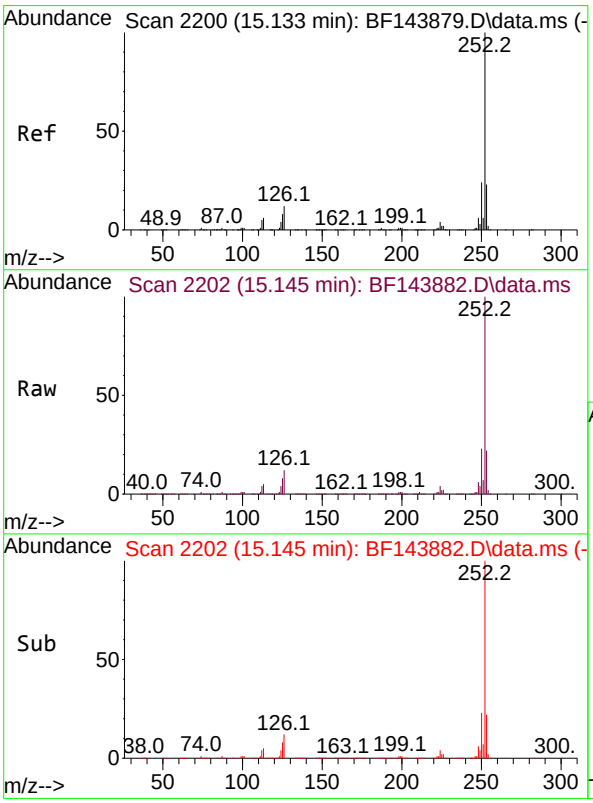
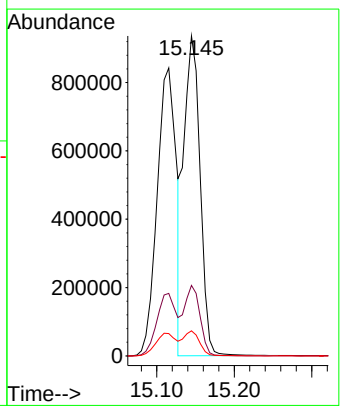
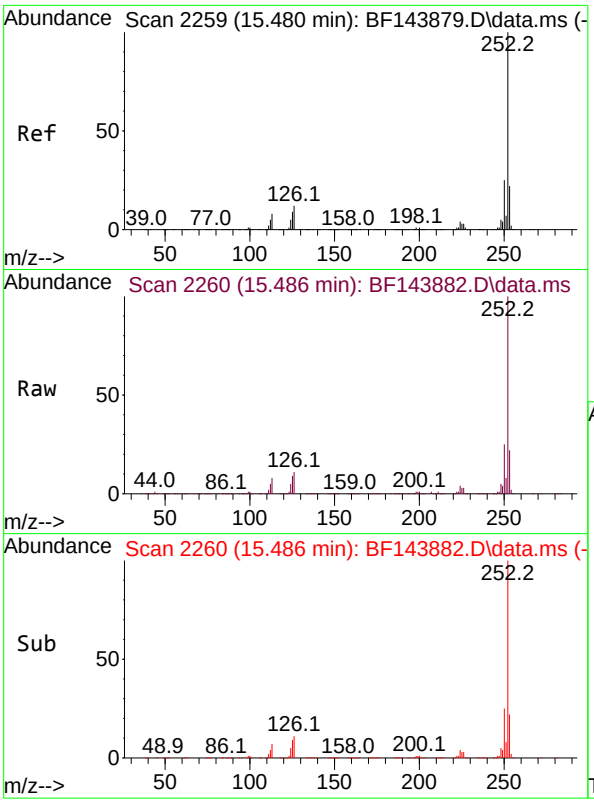


#89
Benzo(k)fluoranthene
Concen: 71.595 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 1362026

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	7.8	7.4	11.2

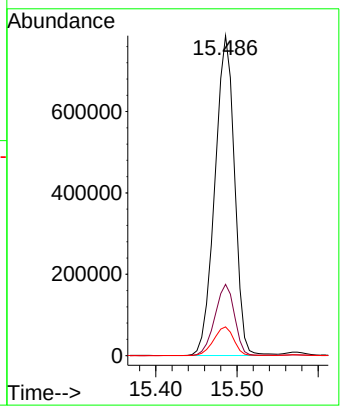




#90
Benzo(a)pyrene
Concen: 74.151 ng
RT: 15.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 132189

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.0	7.0	10.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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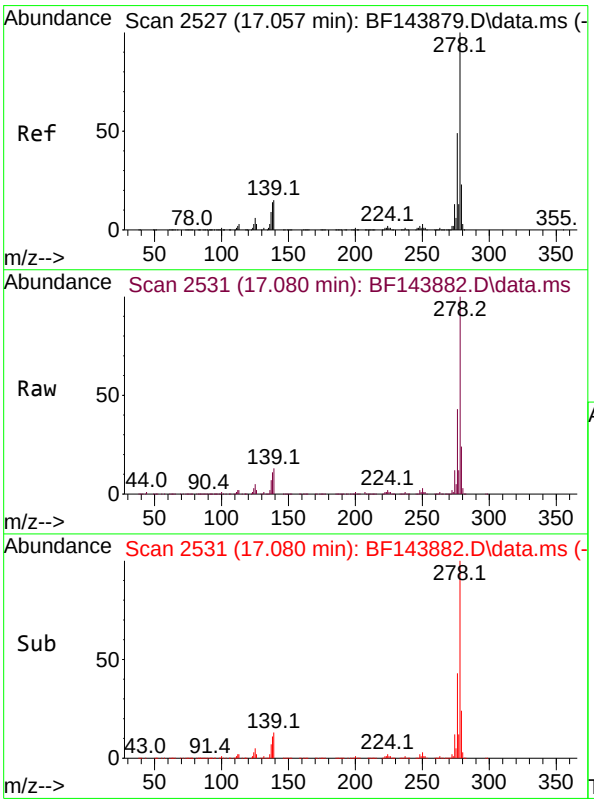
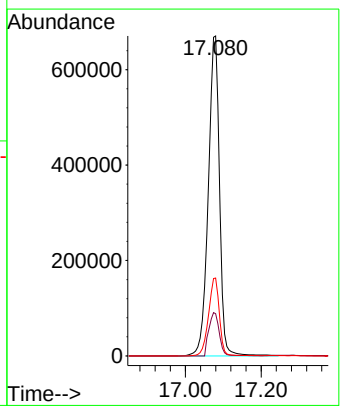
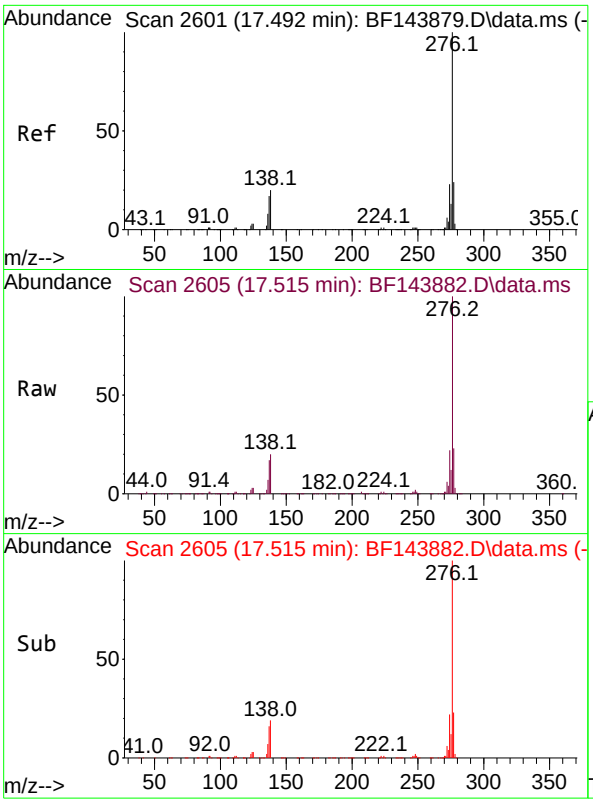


#91
Dibenzo(a,h)anthracene
Concen: 78.895 ng
RT: 17.080 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:278 Resp: 1391562

Ion	Ratio	Lower	Upper
278	100		
139	13.2	11.7	17.5
279	24.3	18.4	27.6

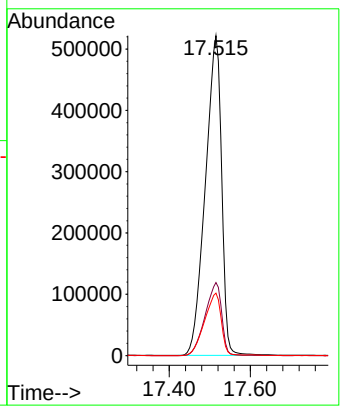




#92
Benzo(g,h,i)perylene
Concen: 82.305 ng
RT: 17.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:276 Resp: 145172

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.0	28.6
138	19.5	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	114039	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	448972	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	247780	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	431562	20.000	ng	0.00
76) Chrysene-d12	14.063	240	259802	20.000	ng	0.00
86) Perylene-d12	15.539	264	249446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	537941	74.908	ng	0.00
7) Phenol-d6	6.498	99	637597	74.487	ng	-0.02
23) Nitrobenzene-d5	7.445	82	549291	74.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	176914	71.685	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1055942	67.621	ng	-0.01
79) Terphenyl-d14	13.004	244	1131636	74.443	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	123809	37.256	ng	99
3) Pyridine	3.410	79	341125	35.261	ng	99
4) n-Nitrosodimethylamine	3.357	42	195710	38.456	ng	97
6) Aniline	6.545	93	486607	37.937	ng	99
8) 2-Chlorophenol	6.663	128	267562	38.116	ng	98
9) Benzaldehyde	6.434	77	245247	37.141	ng	99
10) Phenol	6.516	94	383770m	37.501	ng	
11) bis(2-Chloroethyl)ether	6.616	93	289024	36.561	ng	99
12) 1,3-Dichlorobenzene	6.822	146	317865	37.828	ng	100
13) 1,4-Dichlorobenzene	6.898	146	318221	38.392	ng	100
14) 1,2-Dichlorobenzene	7.051	146	314832	39.655	ng	99
15) Benzyl Alcohol	7.022	79	249958	38.974	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	676009	37.568	ng	99
17) 2-Methylphenol	7.128	107	222497	38.352	ng	96
18) Hexachloroethane	7.398	117	104363	37.755	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	214516	36.612	ng	98
20) 3+4-Methylphenols	7.281	107	268144	39.880	ng	94
22) Acetophenone	7.292	105	358014	37.713	ng	96
24) Nitrobenzene	7.463	77	309611	37.727	ng	100
25) Isophorone	7.704	82	550779	35.347	ng	99
26) 2-Nitrophenol	7.781	139	136223	38.717	ng	99
27) 2,4-Dimethylphenol	7.810	122	258524	40.847	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	360632	36.639	ng	98
29) 2,4-Dichlorophenol	8.016	162	243265	36.899	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	243161	37.503	ng	98
31) Naphthalene	8.186	128	749110	36.679	ng	99
32) Benzoic acid	7.904	122	154019	35.162	ng	98
33) 4-Chloroaniline	8.233	127	321328	41.950	ng	98
34) Hexachlorobutadiene	8.304	225	158600	35.201	ng	95
35) Caprolactam	8.598	113	79102	37.736	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	228481	36.079	ng	99
37) 2-Methylnaphthalene	8.881	142	452442	33.257	ng	99
38) 1-Methylnaphthalene	8.980	142	465414	35.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	254223	37.122	ng	98
41) Hexachlorocyclopentadiene	9.033	237	139168	48.984	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	183769	36.726	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186099	35.194	ng		96
46) 1,1'-Biphenyl	9.345	154	603213	36.770	ng		98
47) 2-Chloronaphthalene	9.369	162	498615	36.454	ng		97
48) 2-Nitroaniline	9.463	65	168191	38.894	ng		99
49) Acenaphthylene	9.786	152	785697	40.859	ng		99
50) Dimethylphthalate	9.645	163	565953	35.968	ng		99
51) 2,6-Dinitrotoluene	9.704	165	122449	41.967	ng		99
52) Acenaphthene	9.957	154	452513	35.913	ng		99
53) 3-Nitroaniline	9.875	138	144668	40.493	ng		95
54) 2,4-Dinitrophenol	9.975	184	52796	33.731	ng	#	42
55) Dibenzofuran	10.127	168	653073	36.717	ng		99
56) 4-Nitrophenol	10.022	139	99684	36.850	ng		96
57) 2,4-Dinitrotoluene	10.104	165	163440	41.169	ng		99
58) Fluorene	10.475	166	476811	35.527	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.204	232	144064	38.488	ng		93
60) Diethylphthalate	10.345	149	533574	36.501	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	256247	36.113	ng		96
62) 4-Nitroaniline	10.486	138	127369	37.074	ng		99
63) Azobenzene	10.627	77	562787	36.837	ng		100
65) 4,6-Dinitro-2-methylph...	10.516	198	80422	37.083	ng		96
66) n-Nitrosodiphenylamine	10.580	169	496618	36.649	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	162033	33.973	ng		95
68) Hexachlorobenzene	11.022	284	190028	34.415	ng		99
69) Atrazine	11.110	200	160244	39.016	ng		98
70) Pentachlorophenol	11.216	266	104958	33.097	ng		99
71) Phenanthrene	11.439	178	743609	35.542	ng		99
72) Anthracene	11.492	178	766674	36.273	ng		99
73) Carbazole	11.645	167	678522	36.246	ng		99
74) Di-n-butylphthalate	11.974	149	806451	37.171	ng		99
75) Fluoranthene	12.627	202	778418	36.019	ng		99
77) Benzidine	12.751	184	409653	45.411	ng		98
78) Pyrene	12.863	202	789075	36.431	ng		99
80) Butylbenzylphthalate	13.480	149	274237	38.986	ng		98
81) Benzo(a)anthracene	14.051	228	614473	36.142	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	221480	42.747	ng		99
83) Chrysene	14.086	228	594668	37.792	ng		98
84) Bis(2-ethylhexyl)phtha...	14.039	149	326966	38.560	ng		99
85) Di-n-octyl phthalate	14.657	149	502989	36.116	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	563492	36.867	ng		98
88) Benzo(b)fluoranthene	15.104	252	537814	37.533	ng		99
89) Benzo(k)fluoranthene	15.133	252	467396	35.252	ng		100
90) Benzo(a)pyrene	15.474	252	470896	37.900	ng		98
91) Dibenzo(a,h)anthracene	17.051	278	454776	36.995	ng		97
92) Benzo(g,h,i)perylene	17.486	276	456833	37.162	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

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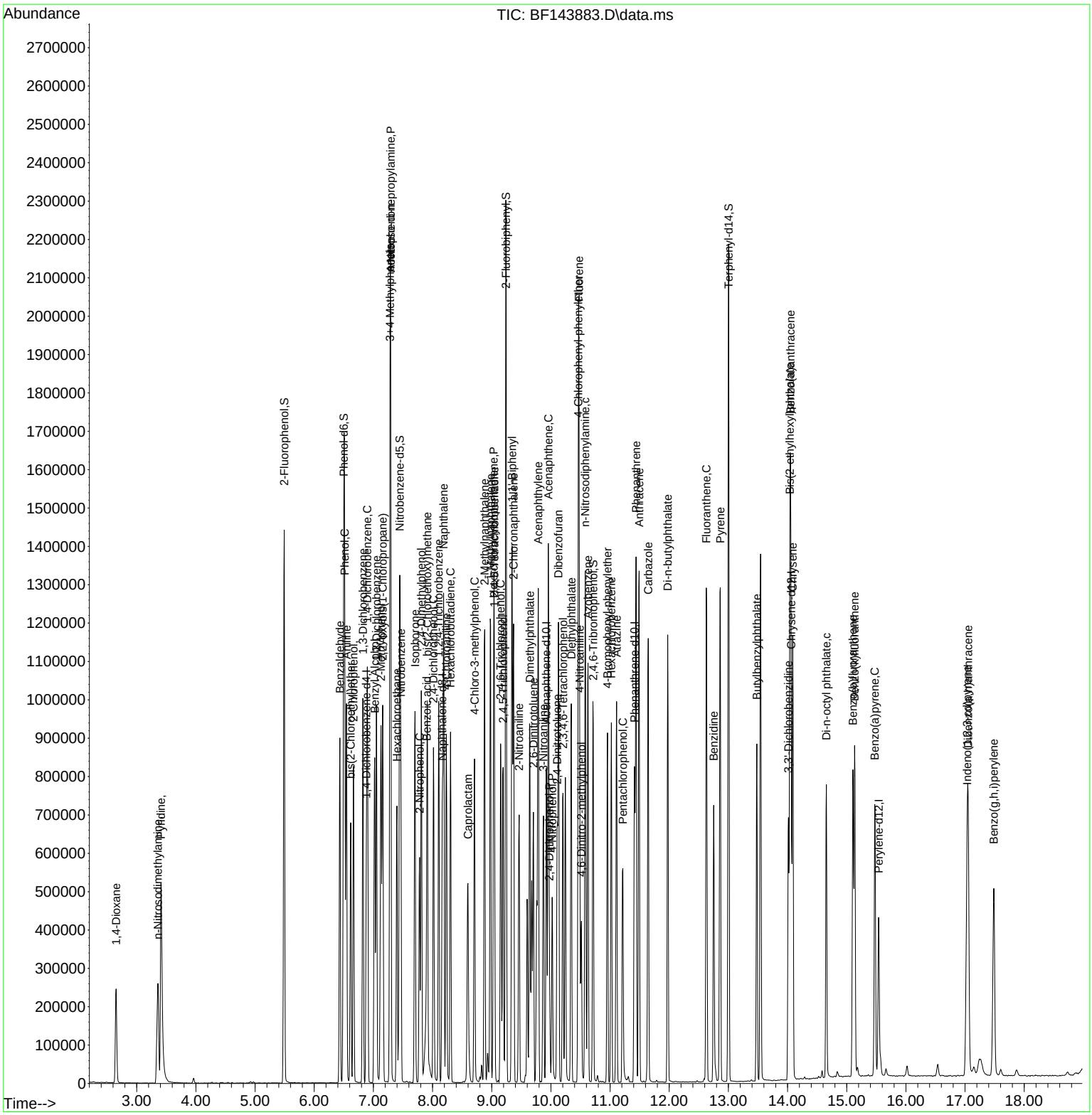
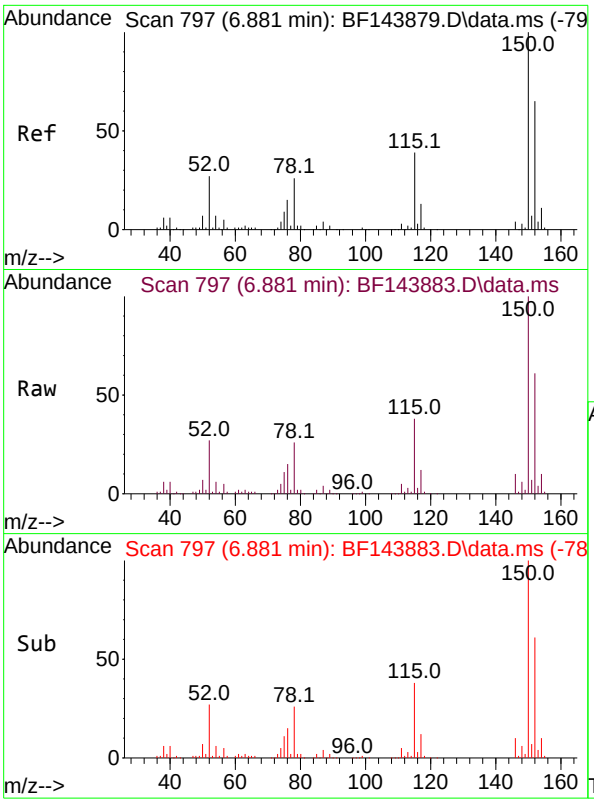
Supervised By :Jagrut Upadhyay 10/07/2025

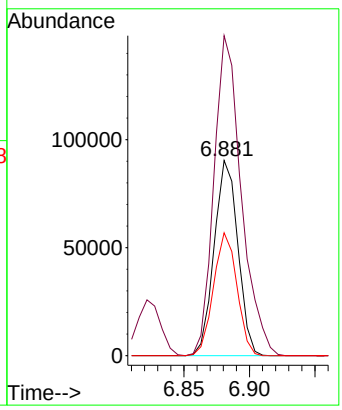




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:152 Resp: 114039

Ion	Ratio	Lower	Upper
152	100		
150	164.0	124.4	186.6
115	62.9	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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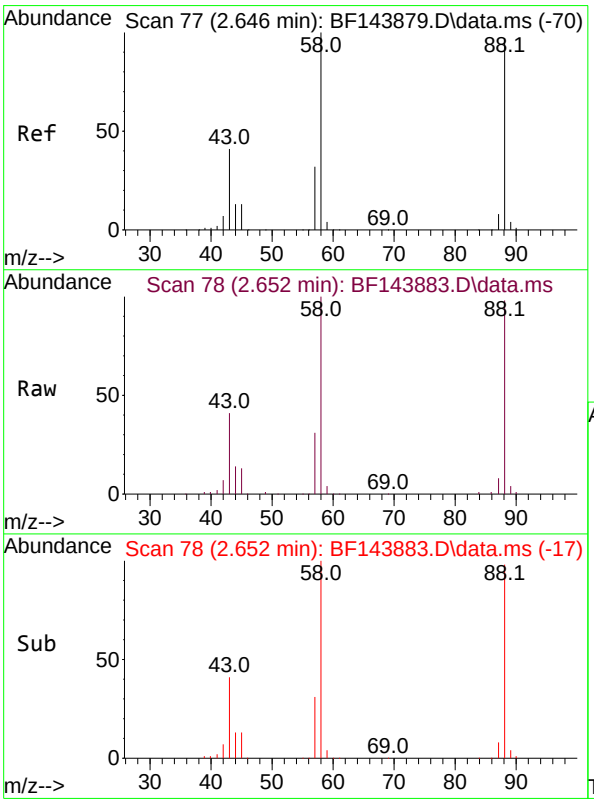
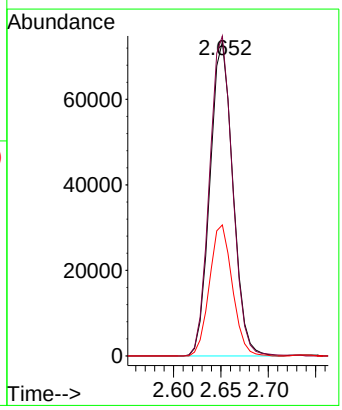
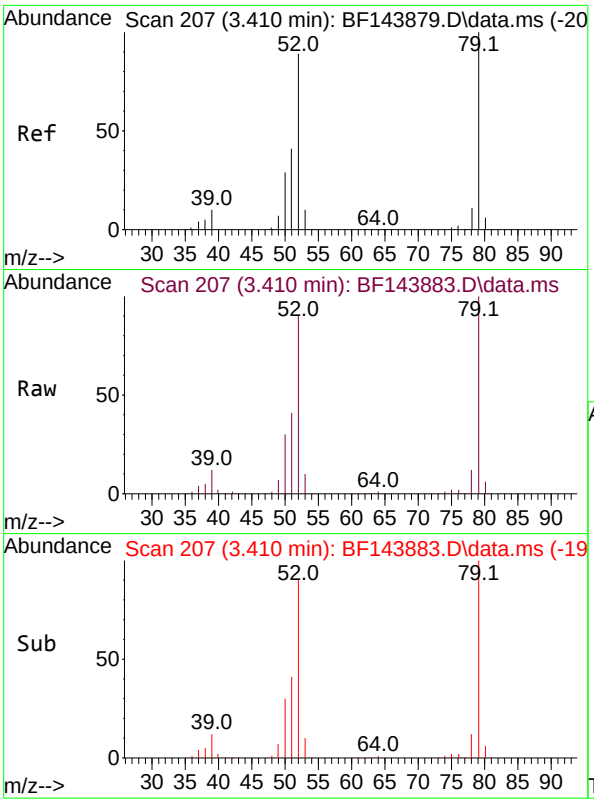


#2
1,4-Dioxane
Concen: 37.256 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 88 Resp: 123809

Ion	Ratio	Lower	Upper
88	100		
58	102.6	83.0	124.6
43	41.5	33.9	50.9

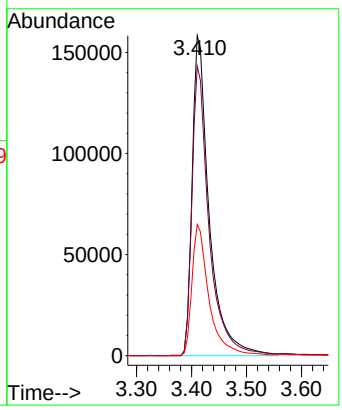




#3
Pyridine
Concen: 35.261 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 79 Resp: 34112

Ion	Ratio	Lower	Upper
79	100		
52	90.5	71.5	107.3
51	41.0	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
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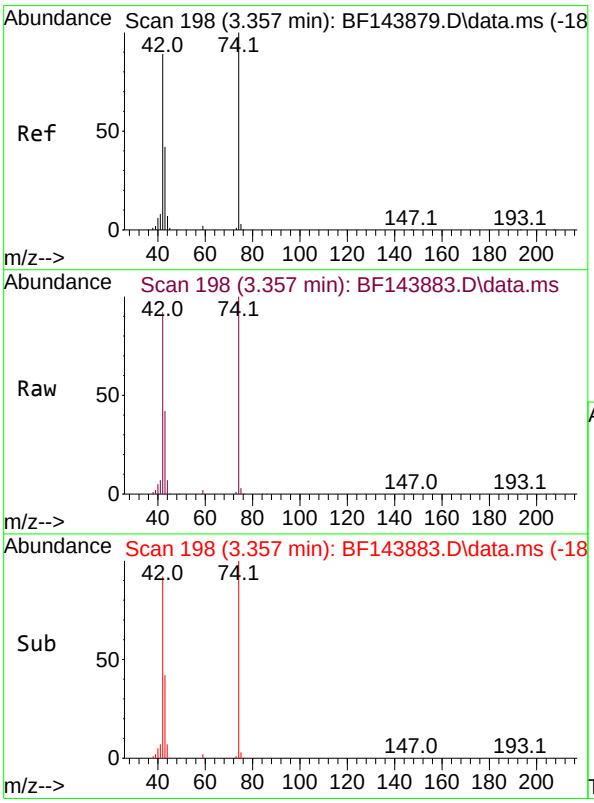
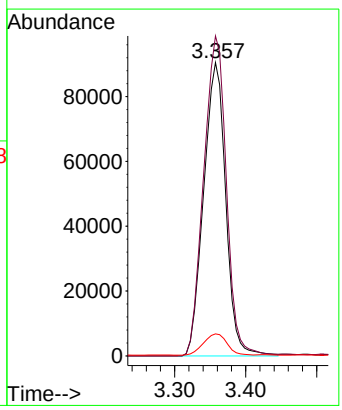
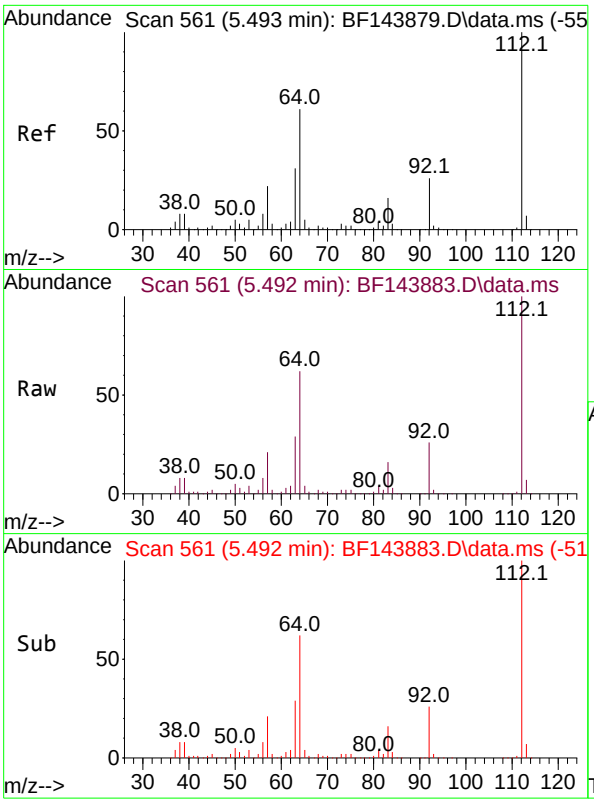


#4
n-Nitrosodimethylamine
Concen: 38.456 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 42 Resp: 195710

Ion	Ratio	Lower	Upper
42	100		
74	109.1	90.0	135.0
44	7.5	6.2	9.2

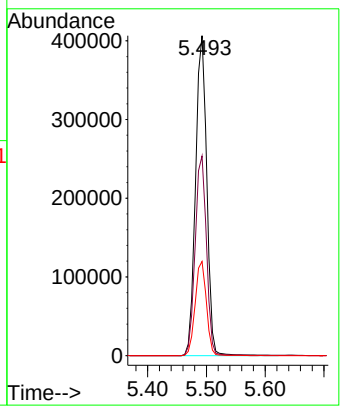




#5
2-Fluorophenol
Concen: 74.908 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:112 Resp: 53794

Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.1	73.7
63	29.4	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

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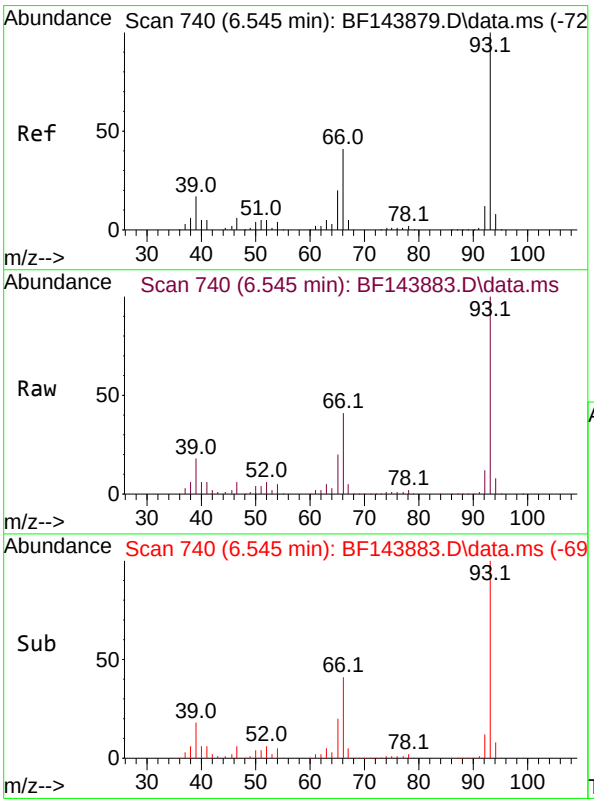
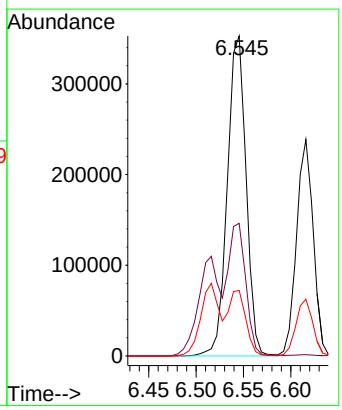
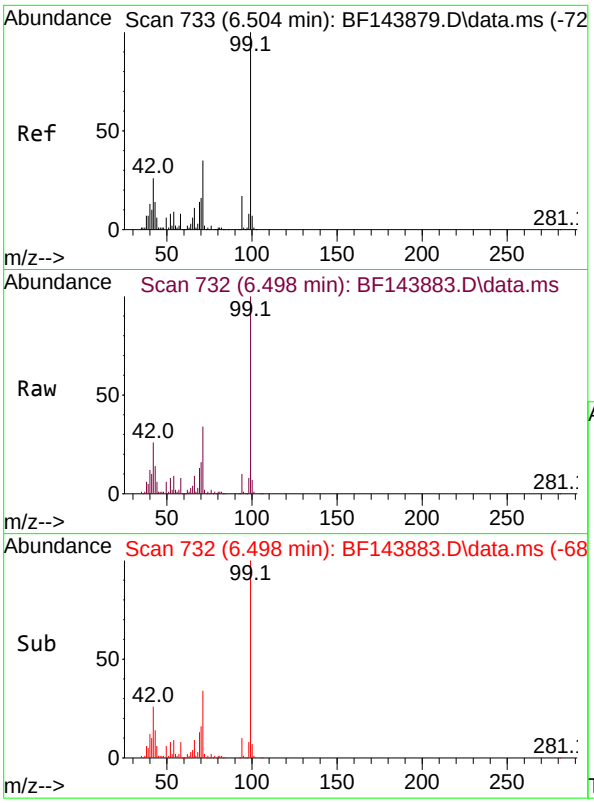


#6
Aniline
Concen: 37.937 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 486607

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.0	49.6
65	20.5	15.8	23.8

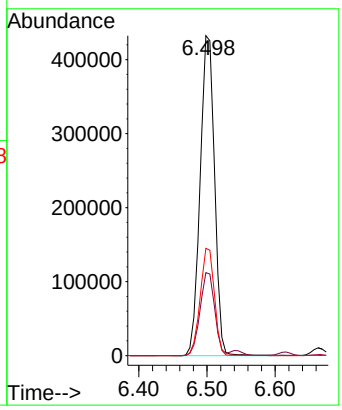




#7
Phenol-d6
Concen: 74.487 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 99 Resp: 63759

Ion	Ratio	Lower	Upper
99	100		
42	25.9	21.0	31.4
71	33.5	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

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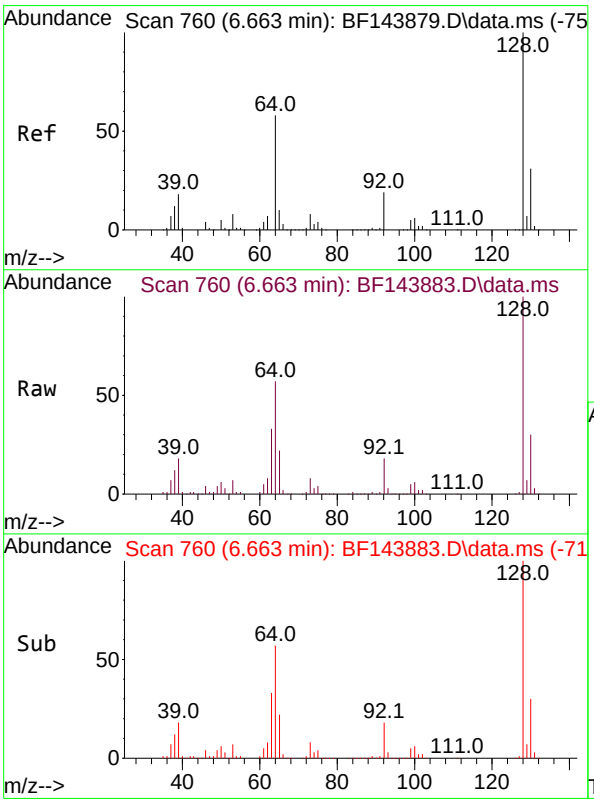
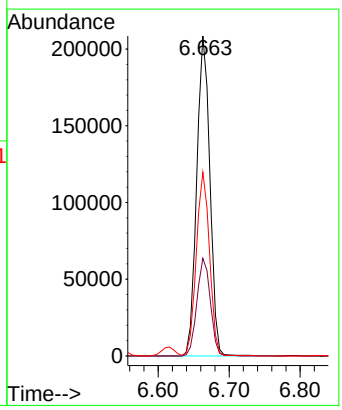
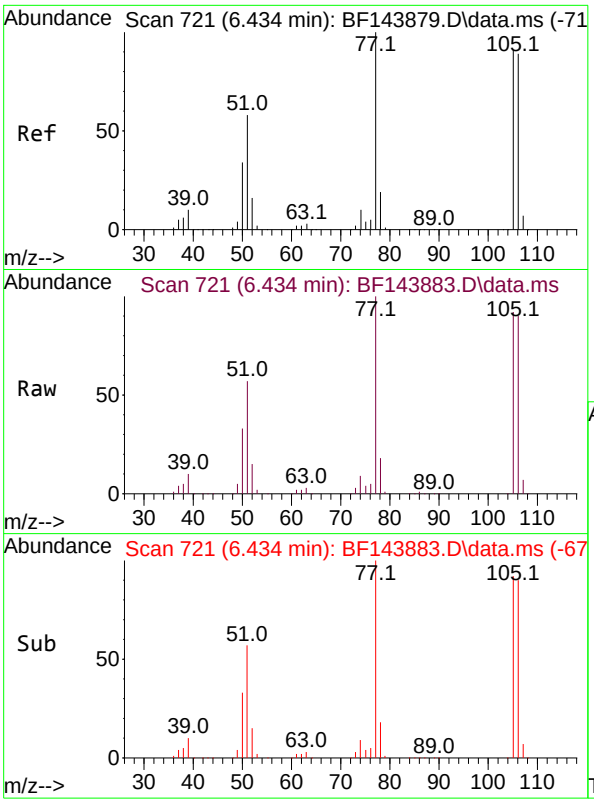


#8
2-Chlorophenol
Concen: 38.116 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:128 Resp: 267562

Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	57.4	39.0	79.0

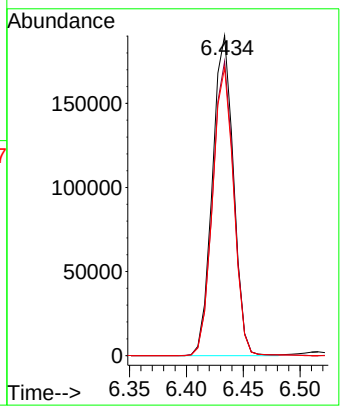




#9
Benzaldehyde
Concen: 37.141 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 24524

Ion	Ratio	Lower	Upper
77	100		
105	92.0	70.9	110.9
106	90.0	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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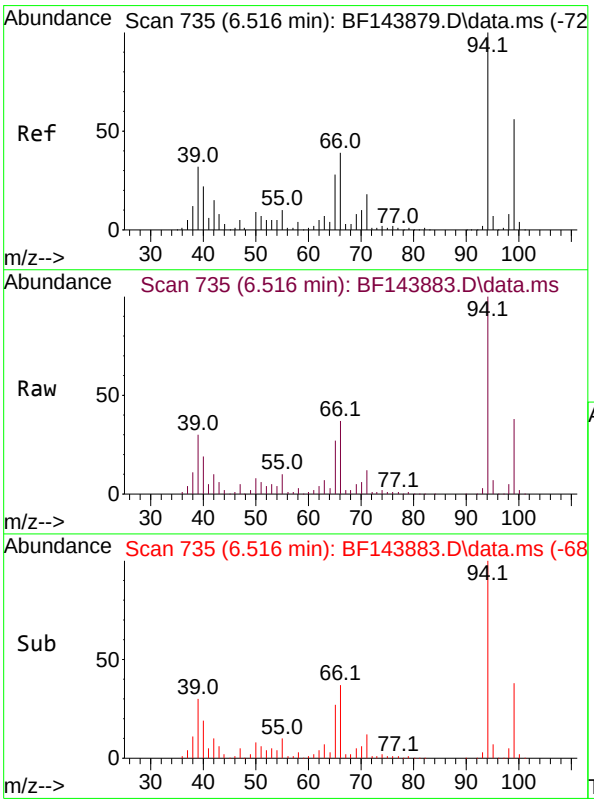
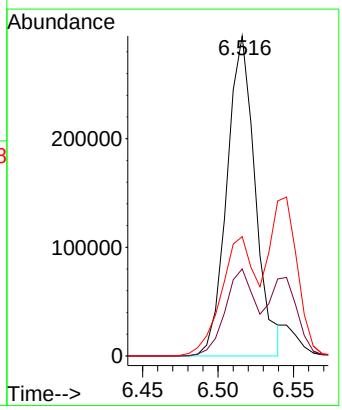
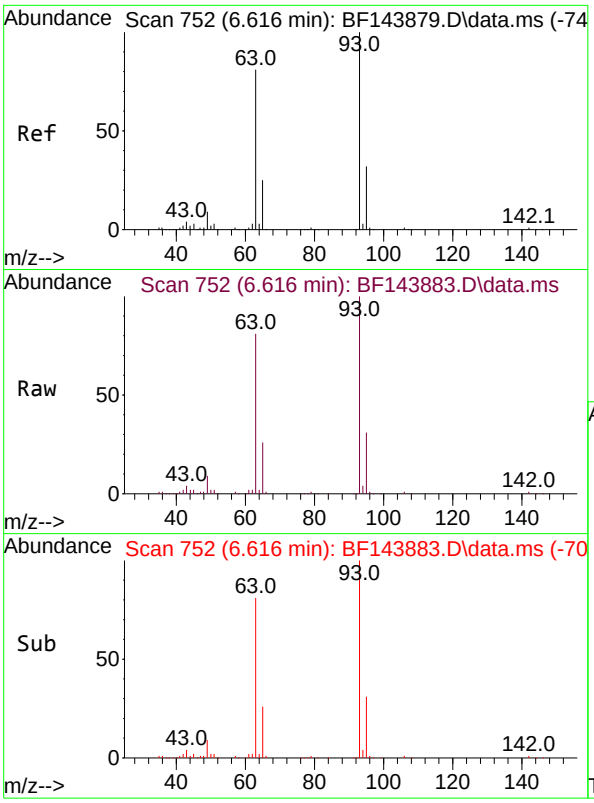


#10
Phenol
Concen: 37.501 ng m
RT: 6.516 min Scan# 735
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 94 Resp: 383770

Ion	Ratio	Lower	Upper
94	100		
65	27.2	8.5	48.5
66	37.3	19.9	59.9

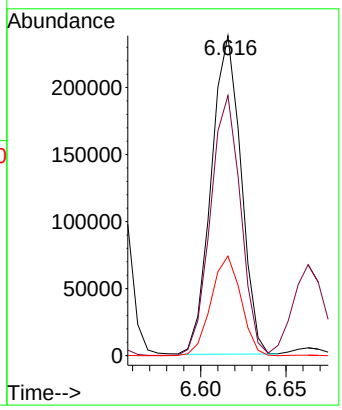




#11
bis(2-Chloroethyl)ether
Concen: 36.561 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 28902

Ion	Ratio	Lower	Upper
93	100		
63	81.3	60.9	100.9
95	31.1	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

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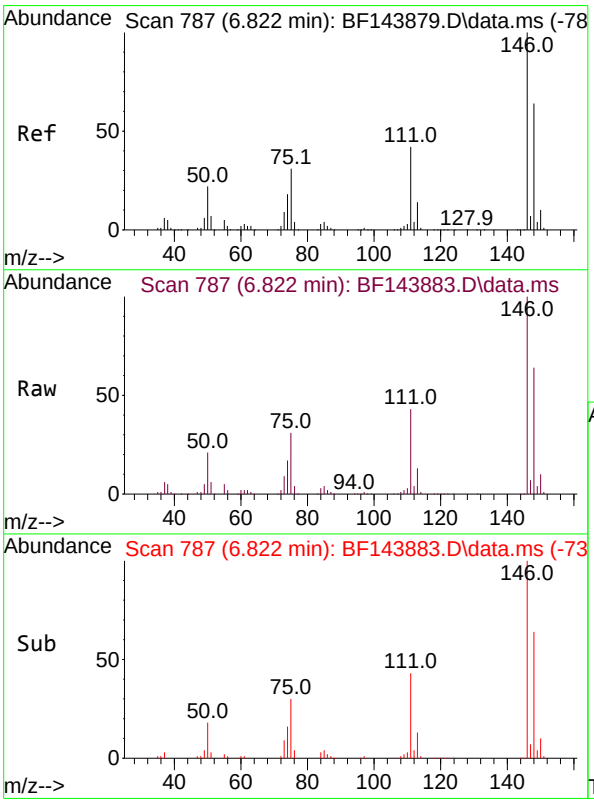
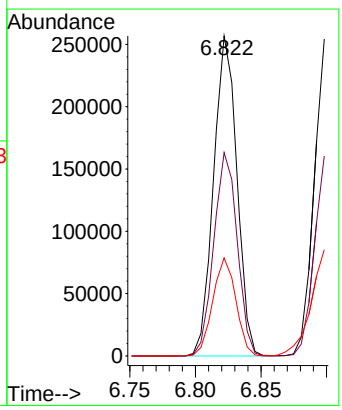
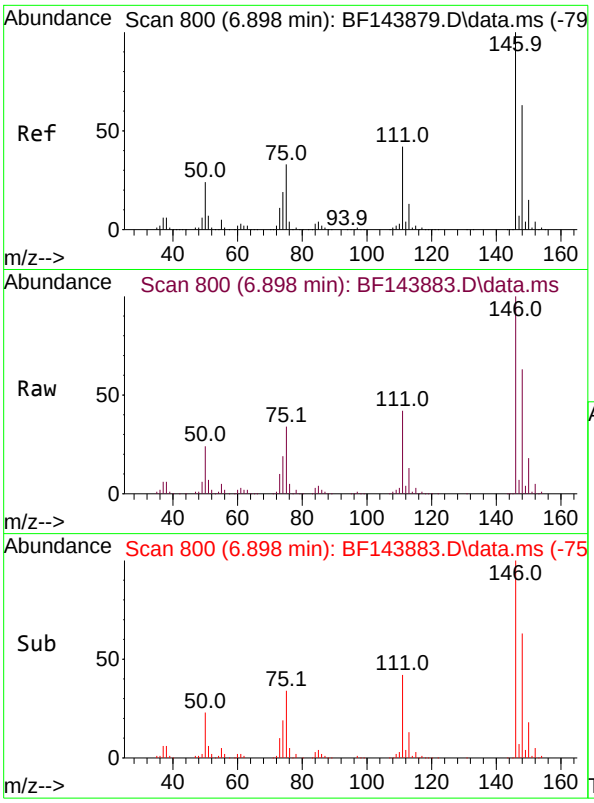


#12
1,3-Dichlorobenzene
Concen: 37.828 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 317865

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
75	30.6	24.9	37.3

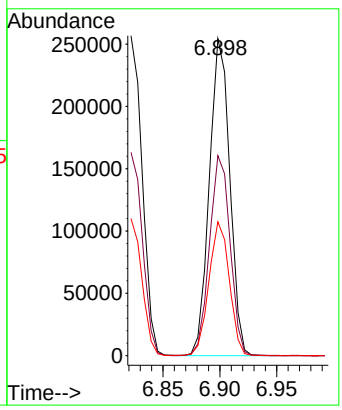




#13
1,4-Dichlorobenzene
Concen: 38.392 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 31822

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	42.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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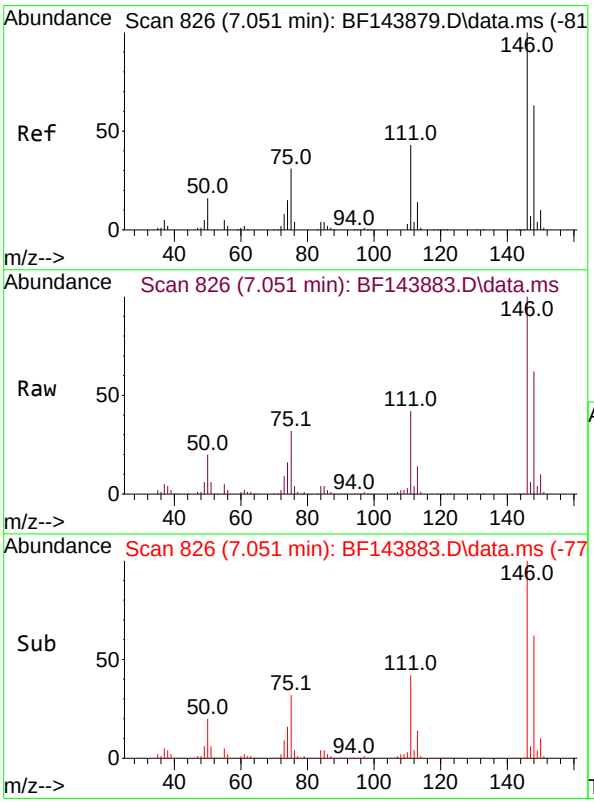
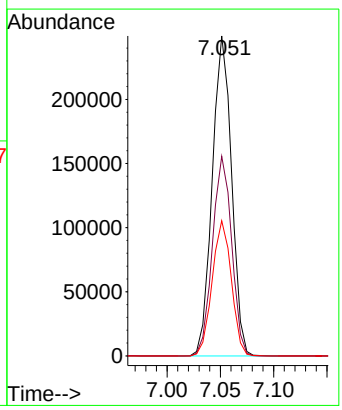
Supervised By :Jagrut Upadhyay 10/07/2025

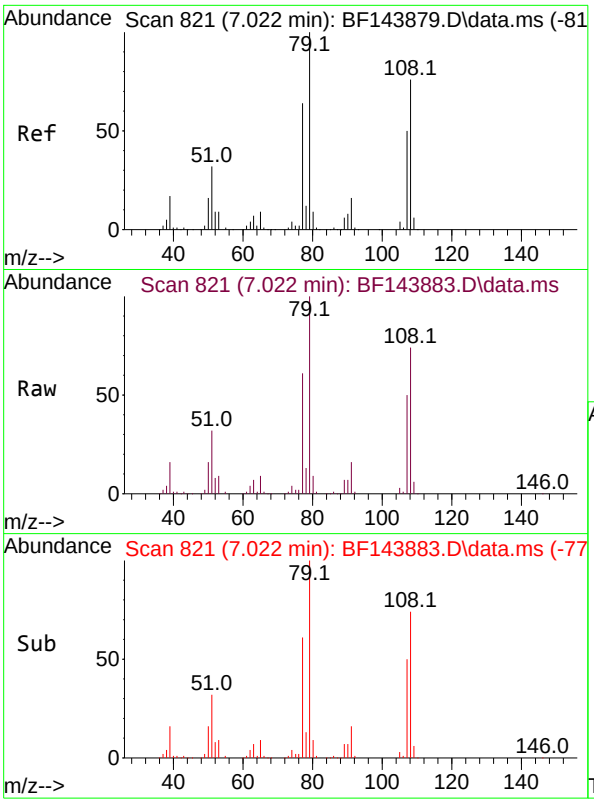


#14
1,2-Dichlorobenzene
Concen: 39.655 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 314832

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.6	75.8
111	42.2	34.6	51.8





#15
Benzyl Alcohol
Concen: 38.974 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 79 Resp: 24995

Ion	Ratio	Lower	Upper
79	100		
108	73.6	60.8	91.2
77	61.3	51.0	76.6

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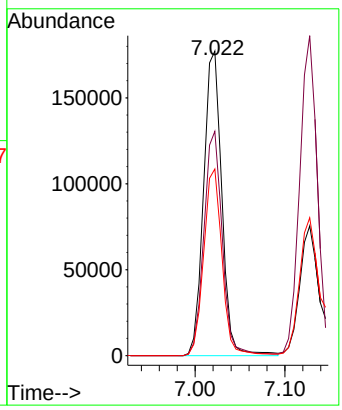
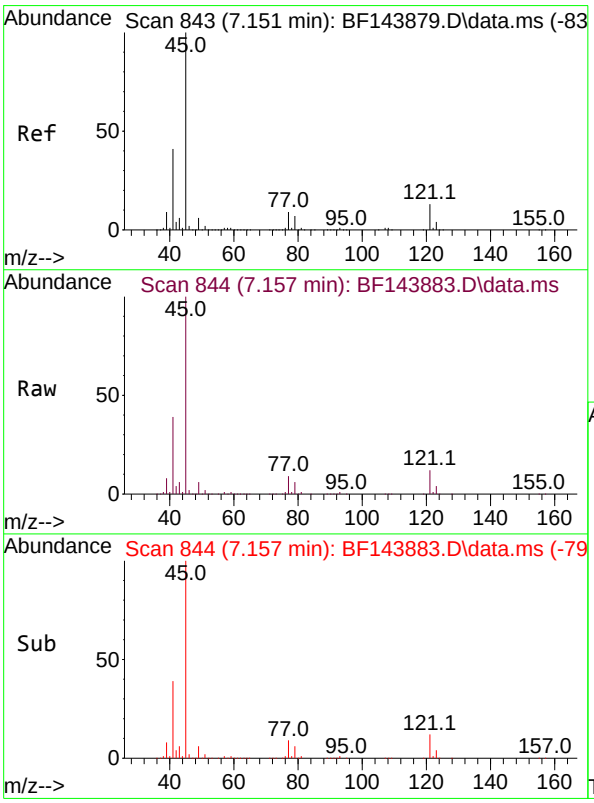
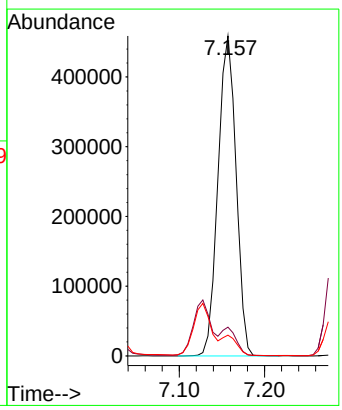


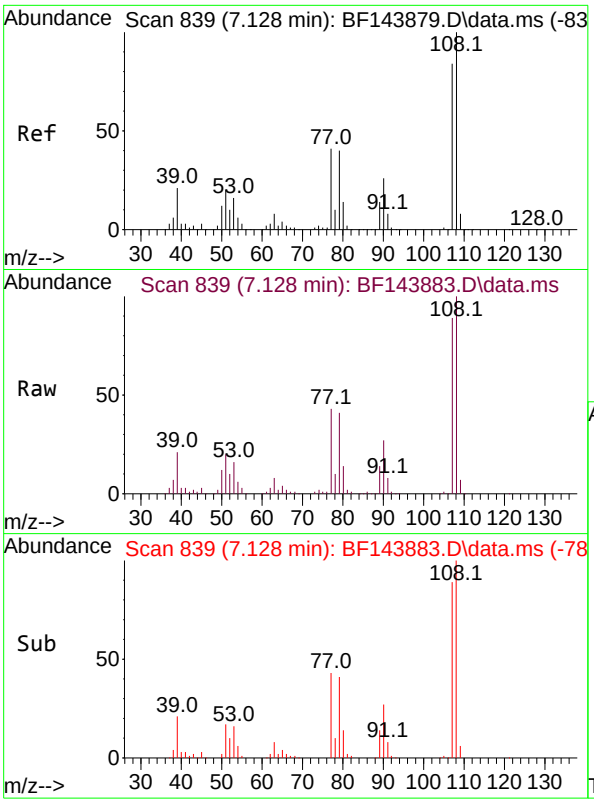


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.568 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 45 Resp: 676009

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.5	0.0	26.8

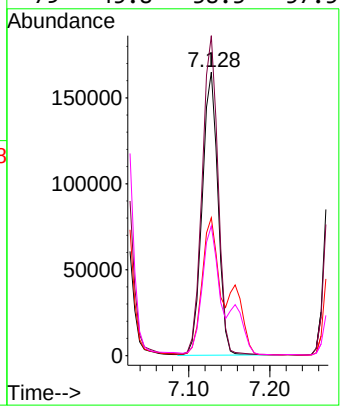




#17
2-Methylphenol
Concen: 38.352 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 22249

Ion	Ratio	Lower	Upper
107	100		
108	112.9	94.7	142.1
77	48.7	38.8	58.2
79	45.8	38.3	57.5



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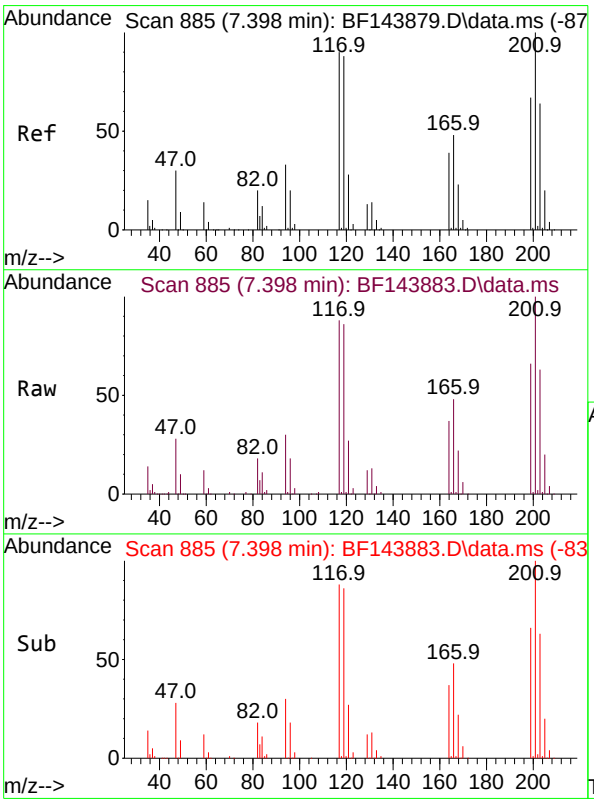
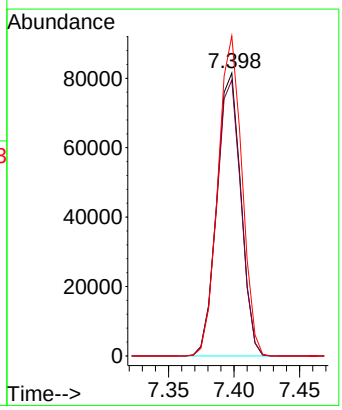
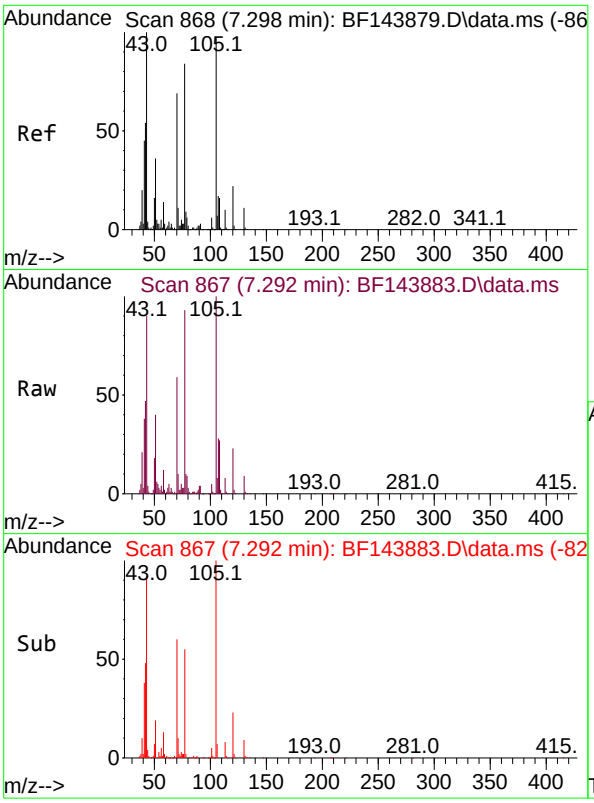


#18
Hexachloroethane
Concen: 37.755 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:117 Resp: 104363

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.8
201	113.1	88.5	132.7

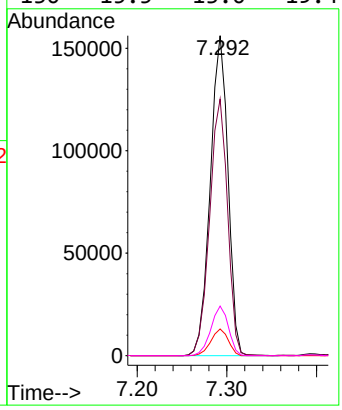




#19
n-Nitroso-di-n-propylamine
Concen: 36.612 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 70 Resp: 21451

Ion	Ratio	Lower	Upper
70	100		
42	80.2	62.8	94.2
101	8.3	6.7	10.1
130	15.5	13.0	19.4



Instrument :
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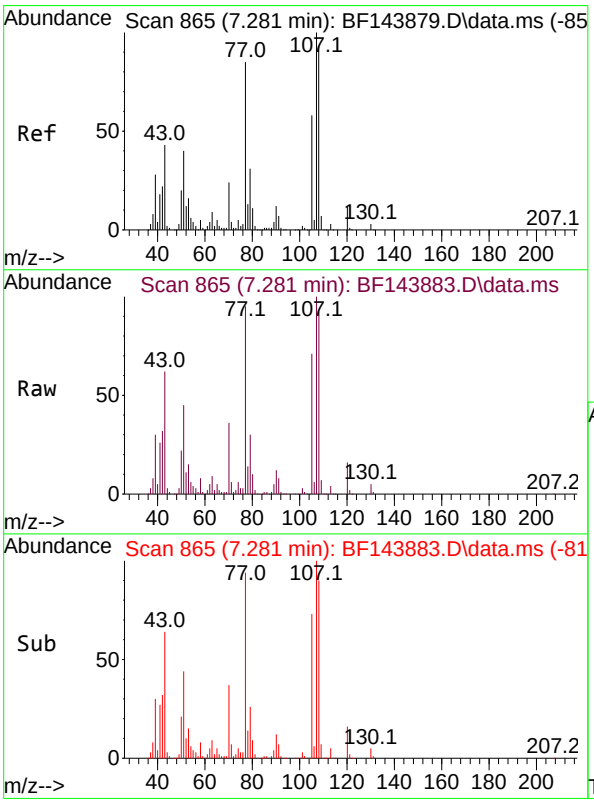
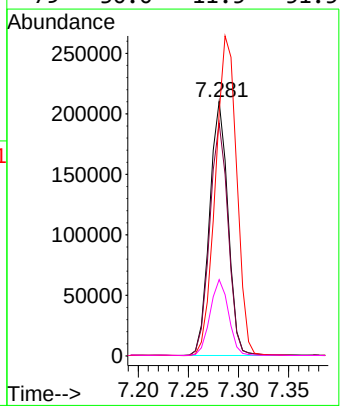
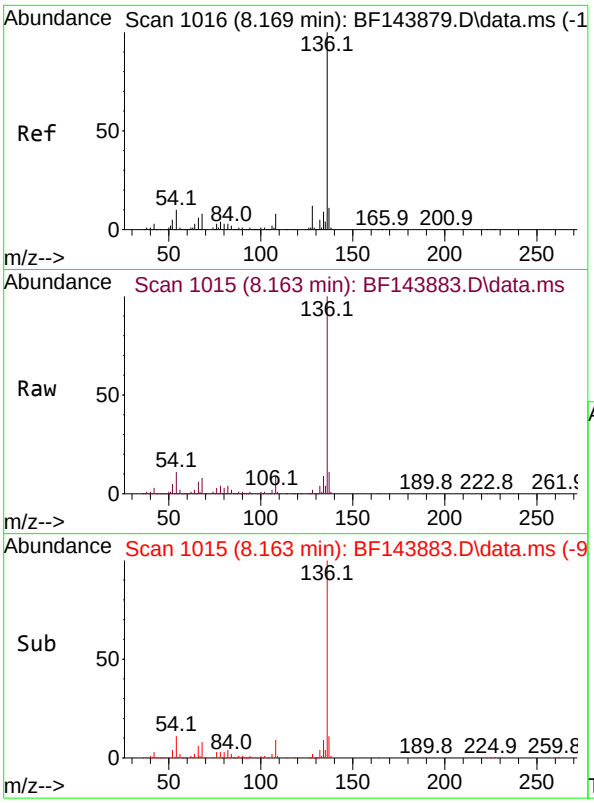


#20
3+4-Methylphenols
Concen: 39.880 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 268144

Ion	Ratio	Lower	Upper
107	100		
108	91.5	73.0	113.0
77	95.3	64.6	104.6
79	30.0	11.5	51.5

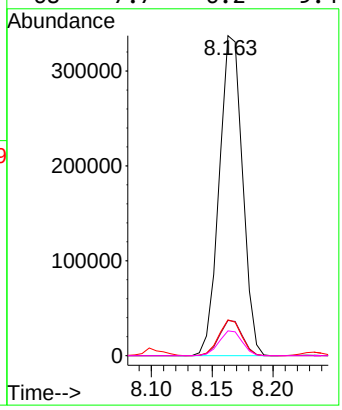




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:136 Resp: 44897

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.2	8.2	12.4
68	7.7	6.2	9.4



Instrument :
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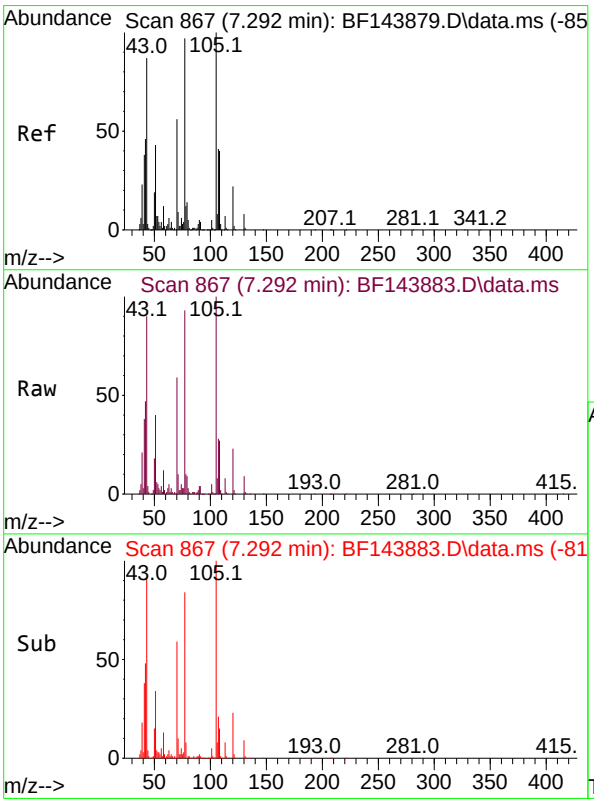
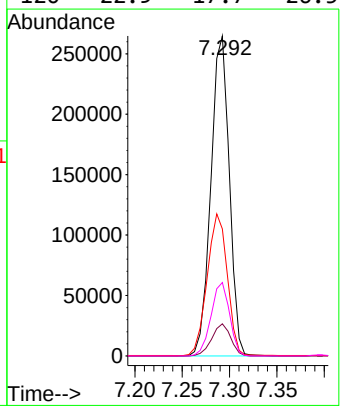
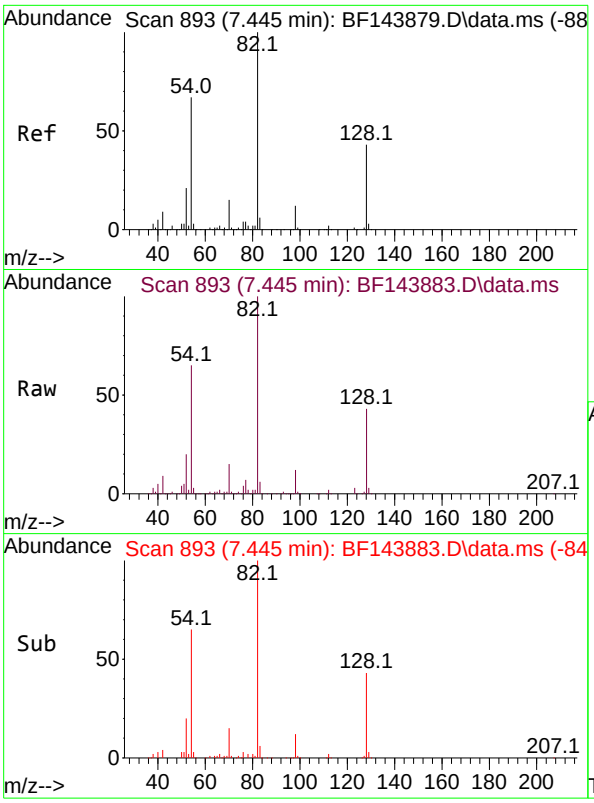


#22
Acetophenone
Concen: 37.713 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:105 Resp: 358014

Ion	Ratio	Lower	Upper
105	100		
71	10.0	7.4	11.0
51	39.7	34.2	51.4
120	22.9	17.7	26.5

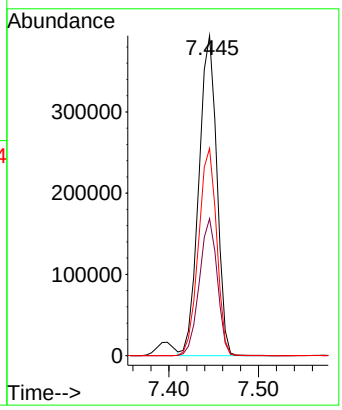




#23
Nitrobenzene-d5
Concen: 74.330 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 82 Resp: 549291

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.8	53.2	79.8



Instrument :
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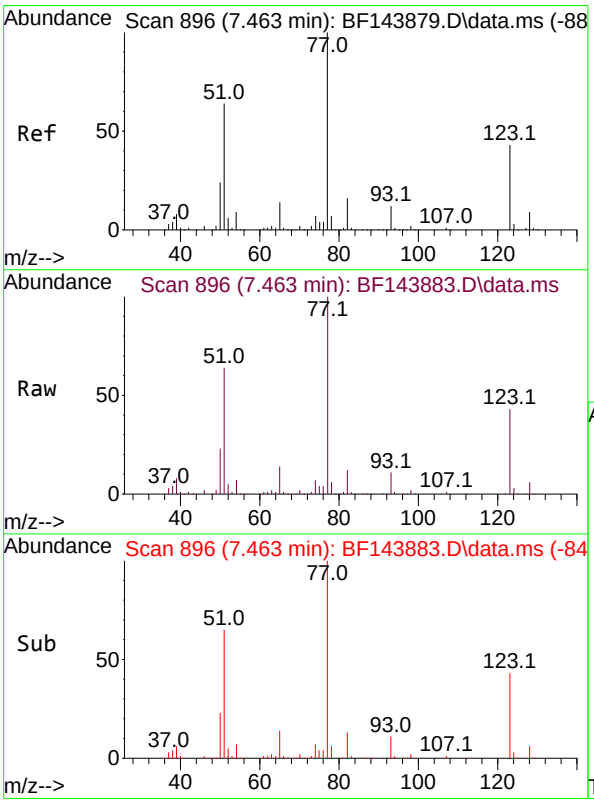
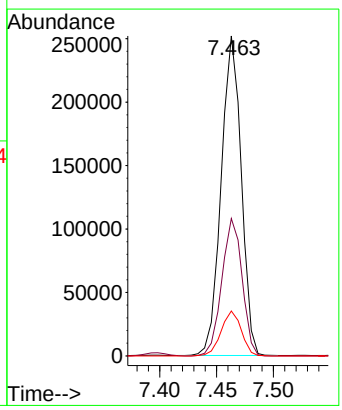
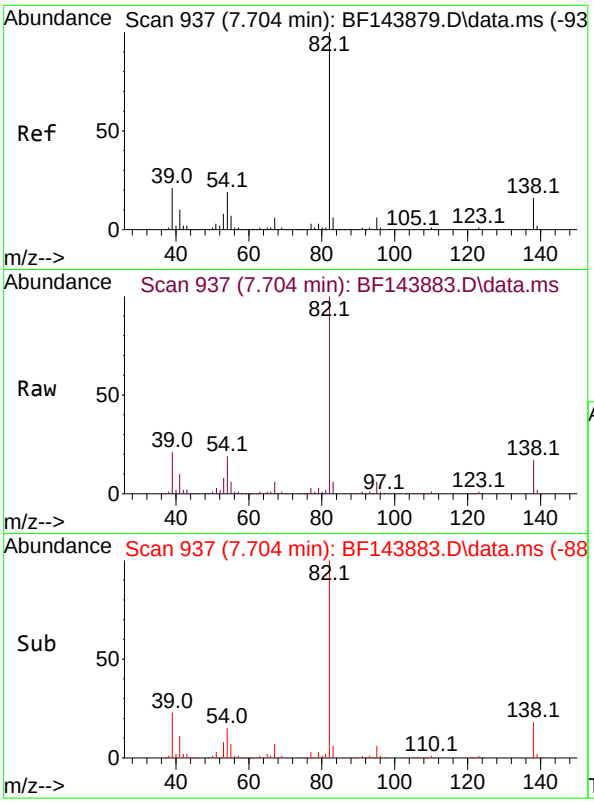


#24
Nitrobenzene
Concen: 37.727 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 309611

Ion	Ratio	Lower	Upper
77	100		
123	42.9	34.2	51.4
65	14.0	11.0	16.6

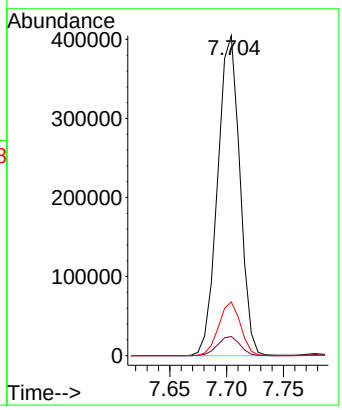




#25
Isophorone
Concen: 35.347 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 82 Resp: 55077

Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	16.8	12.9	19.3



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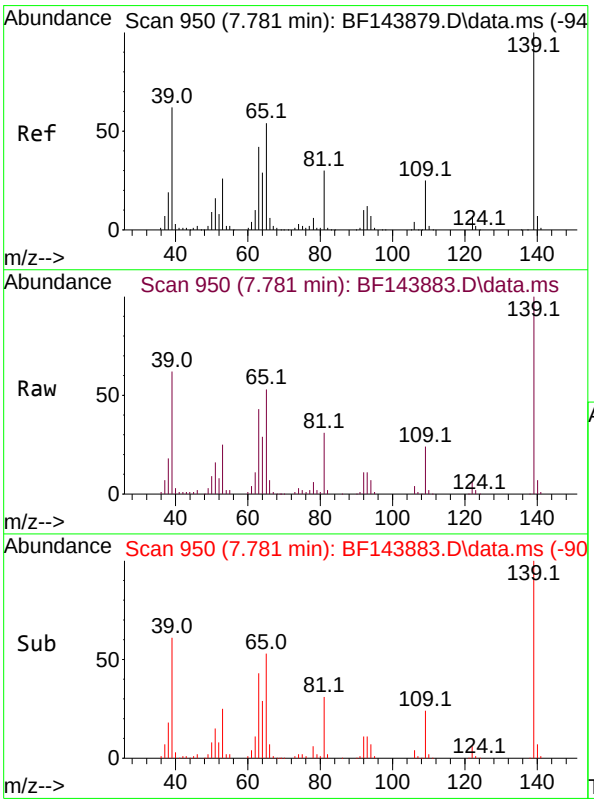
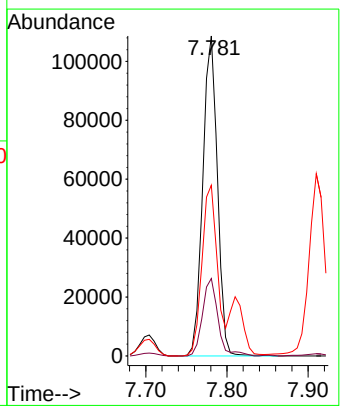
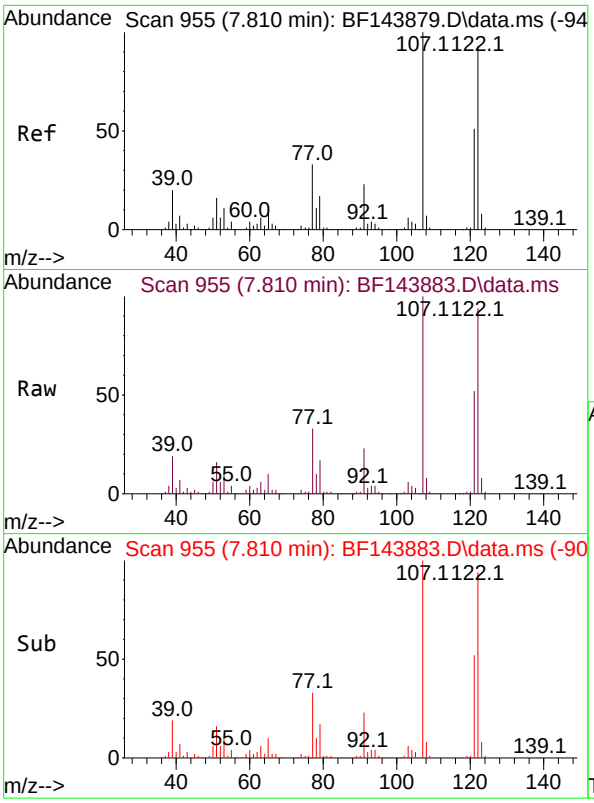


#26
2-Nitrophenol
Concen: 38.717 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:139 Resp: 136223

Ion	Ratio	Lower	Upper
139	100		
109	24.2	19.8	29.6
65	53.3	42.9	64.3

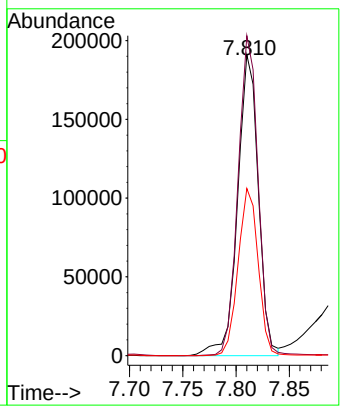




#27
2,4-Dimethylphenol
Concen: 40.847 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:122 Resp: 25852

Ion	Ratio	Lower	Upper
122	100		
107	106.3	86.1	129.1
121	55.5	43.8	65.6



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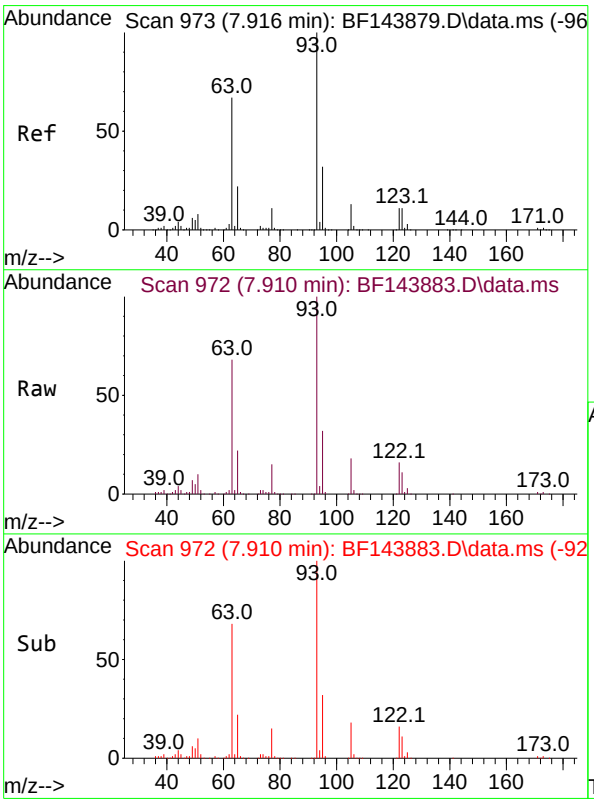
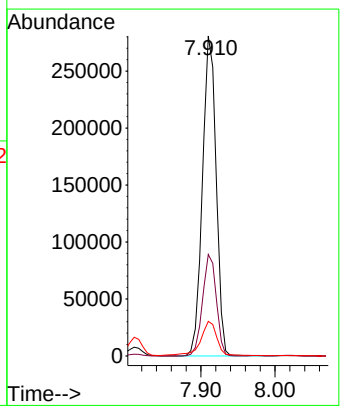
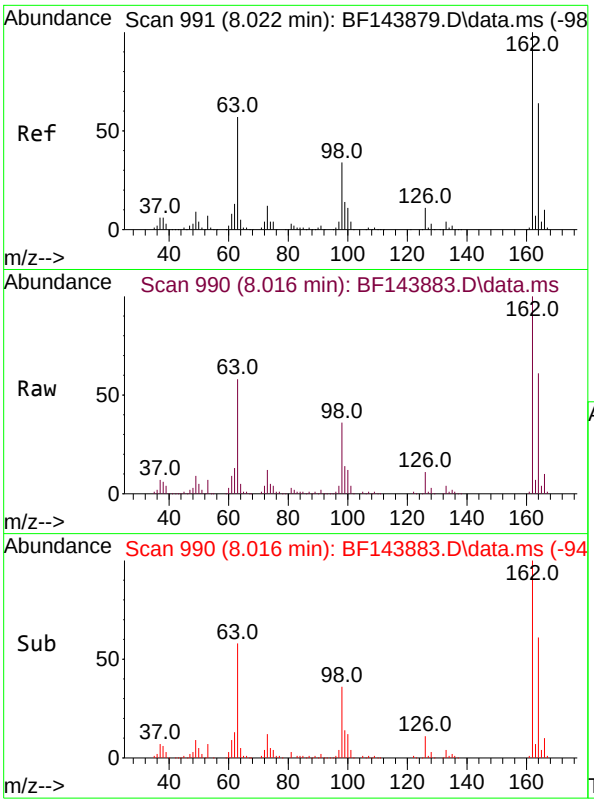


#28
bis(2-Chloroethoxy)methane
Concen: 36.639 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 360632

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.9	38.9
123	10.8	9.4	14.0

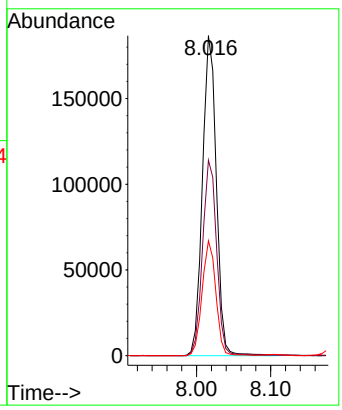




#29
2,4-Dichlorophenol
Concen: 36.899 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:162 Resp: 24326

Ion	Ratio	Lower	Upper
162	100		
164	61.1	43.9	83.9
98	35.9	14.4	54.4



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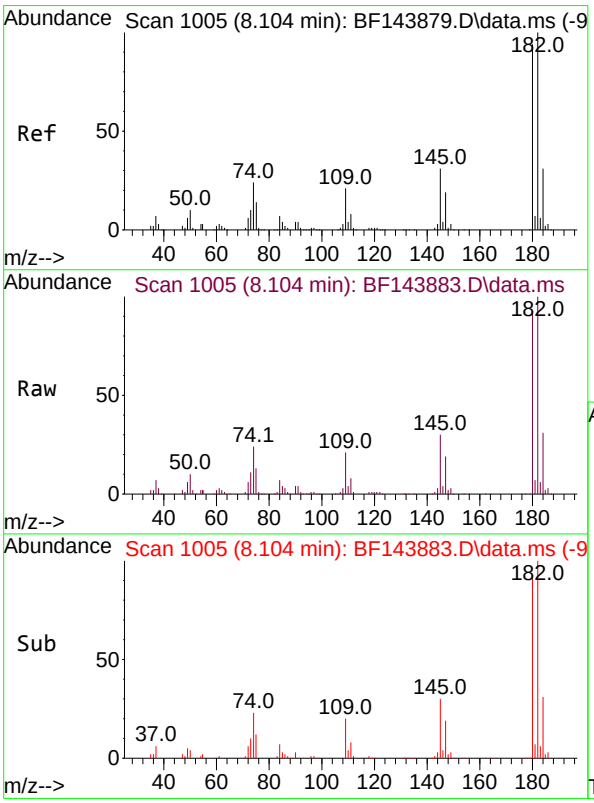
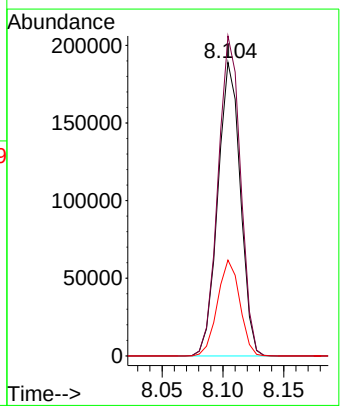
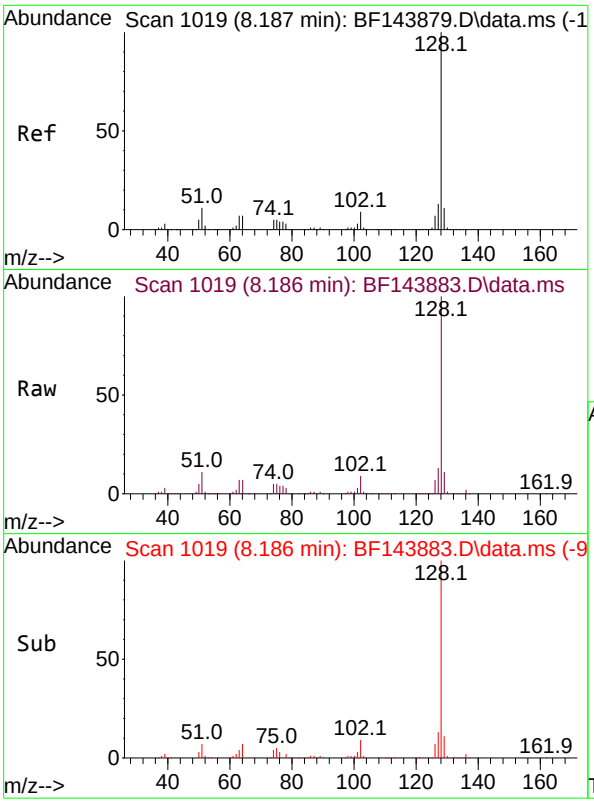


#30
1,2,4-Trichlorobenzene
Concen: 37.503 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:180 Resp: 243161

Ion	Ratio	Lower	Upper
180	100		
182	109.0	85.4	128.0
145	32.7	26.3	39.5

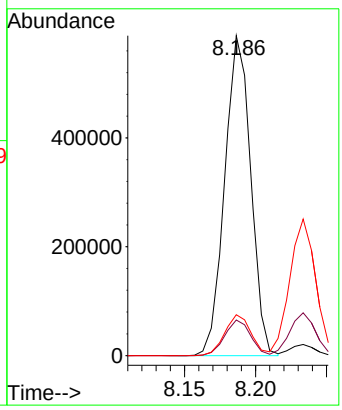




#31
Naphthalene
Concen: 36.679 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:128 Resp: 74911

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.0	15.0



Instrument :
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ClientSampleId :
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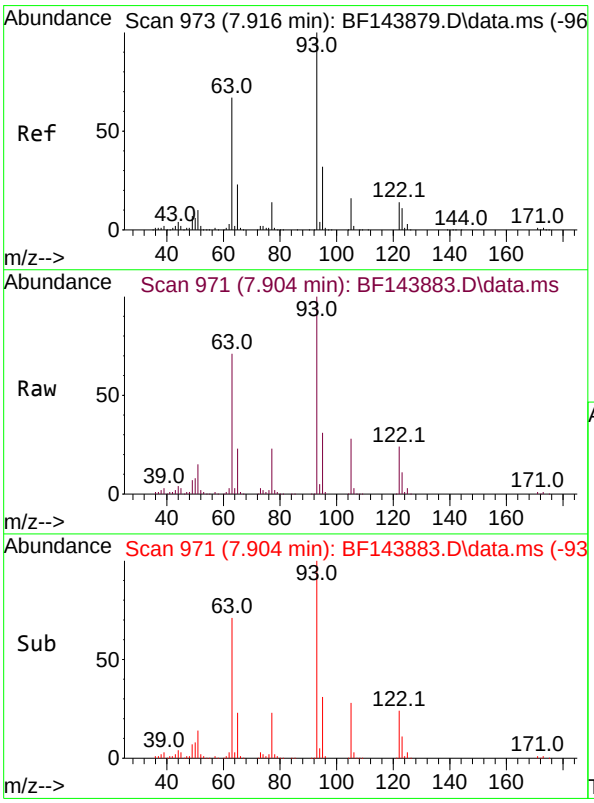
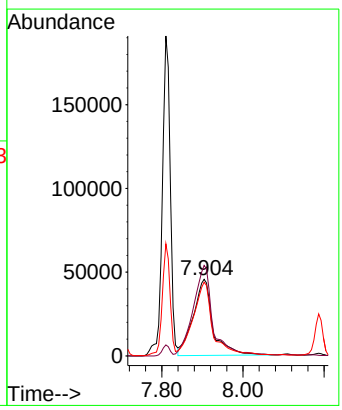
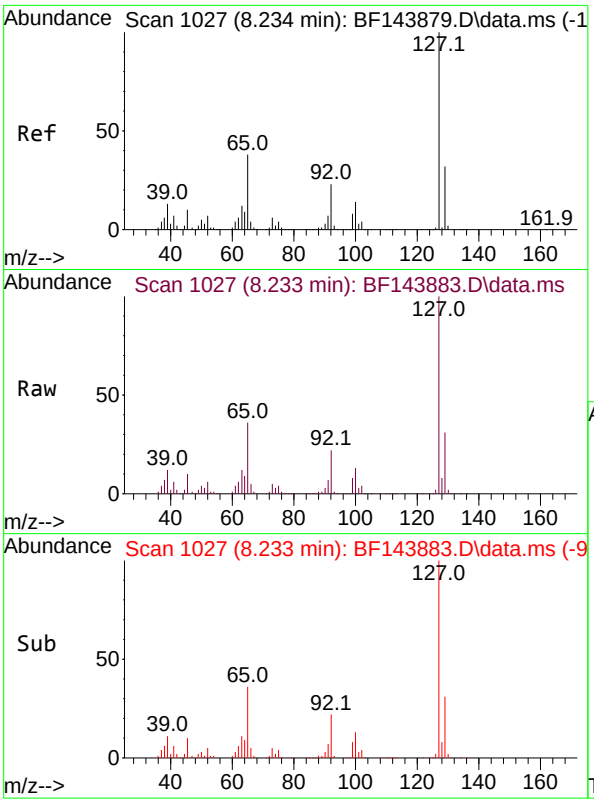


#32
Benzoic acid
Concen: 35.162 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.059 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:122 Resp: 154019

Ion	Ratio	Lower	Upper
122	100		
105	118.0	93.5	133.5
77	96.2	76.3	116.3

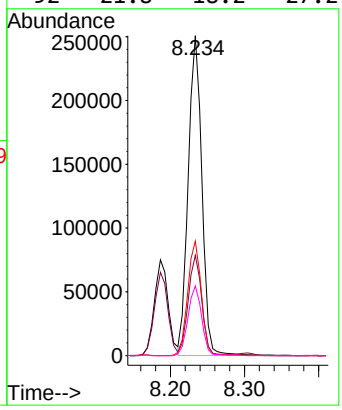




#33
4-Chloroaniline
Concen: 41.950 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:127 Resp: 32132

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.8
65	35.7	30.0	45.0
92	21.8	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
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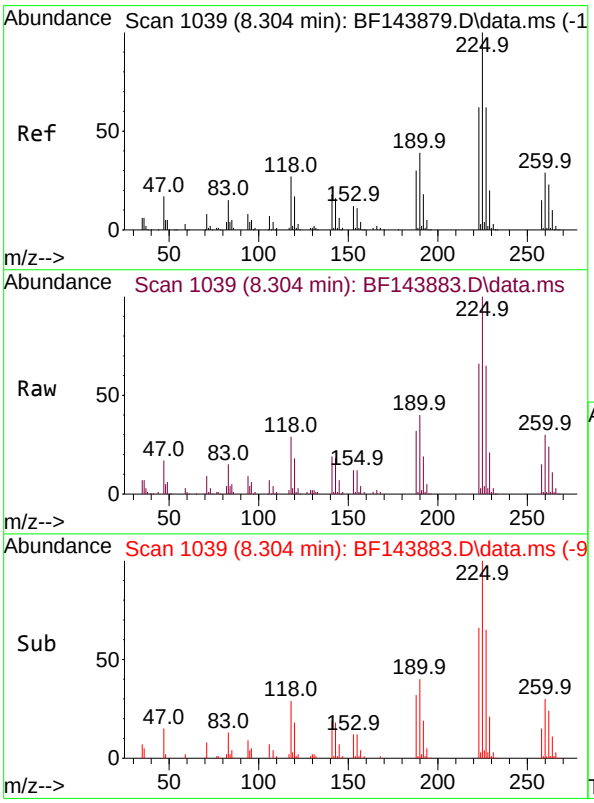
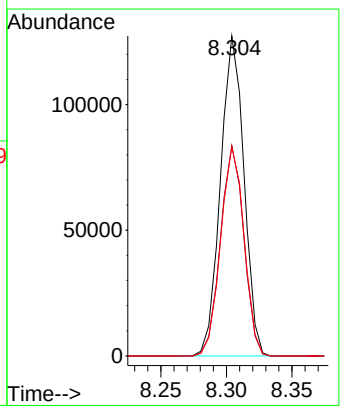
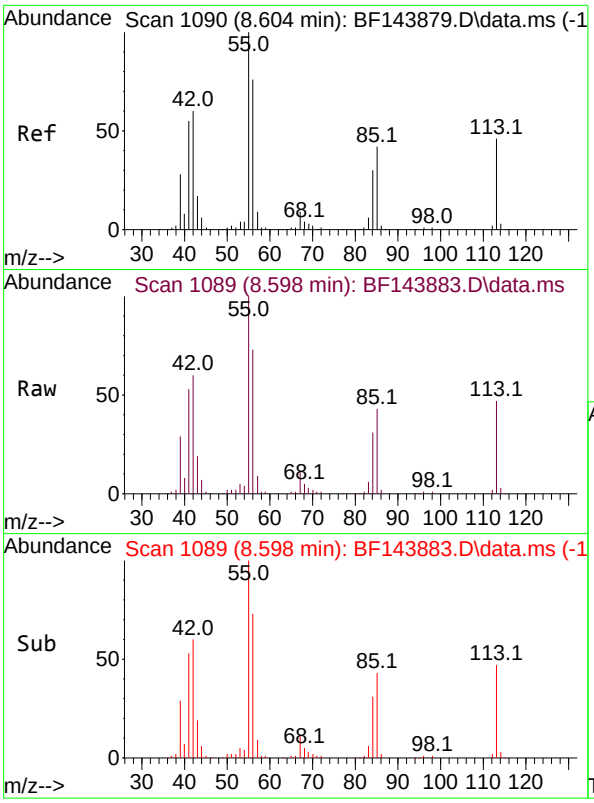


#34
Hexachlorobutadiene
Concen: 35.201 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:225 Resp: 158600

Ion	Ratio	Lower	Upper
225	100		
223	65.7	49.4	74.2
227	65.4	49.7	74.5





#35
Caprolactam
Concen: 37.736 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:113 Resp: 7910

Ion	Ratio	Lower	Upper
113	100		
55	210.6	199.6	239.6
56	154.8	146.0	186.0

Instrument :
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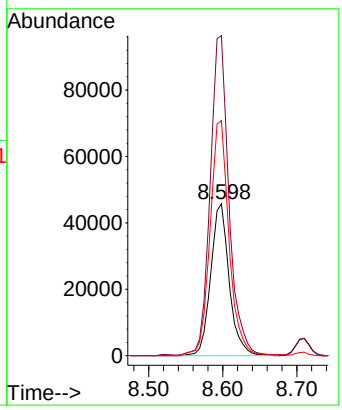
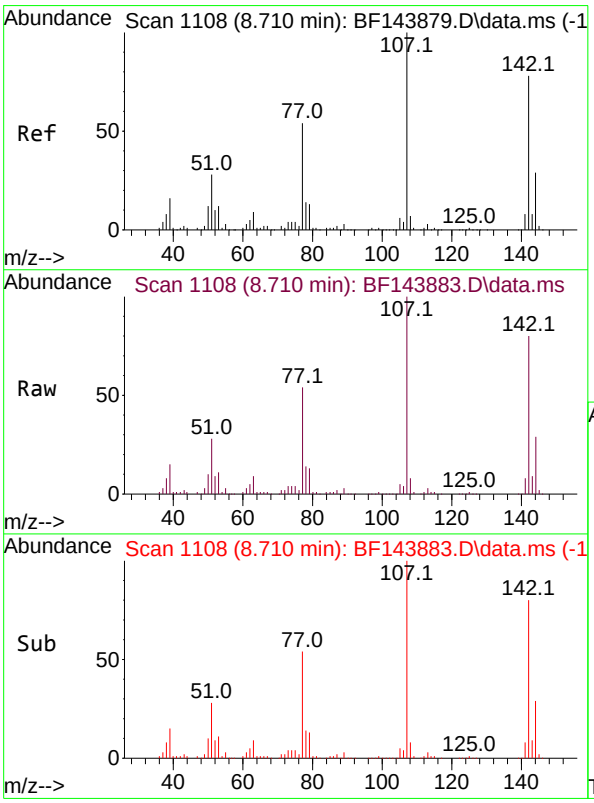
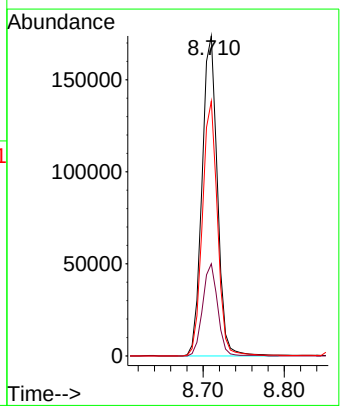


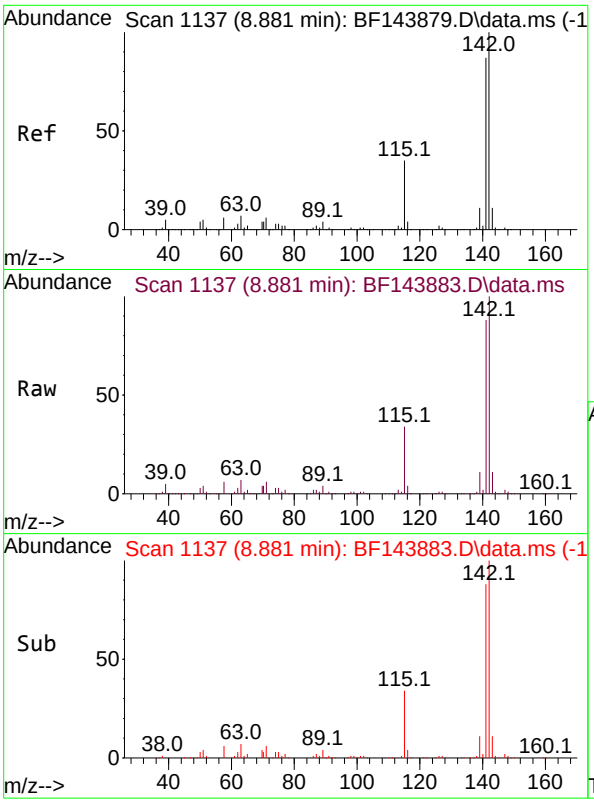


#36
4-Chloro-3-methylphenol
Concen: 36.079 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 228481

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	79.6	62.6	94.0

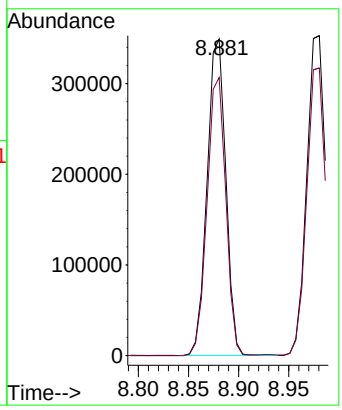




#37
2-Methylnaphthalene
Concen: 33.257 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 45244

Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.2	103.8



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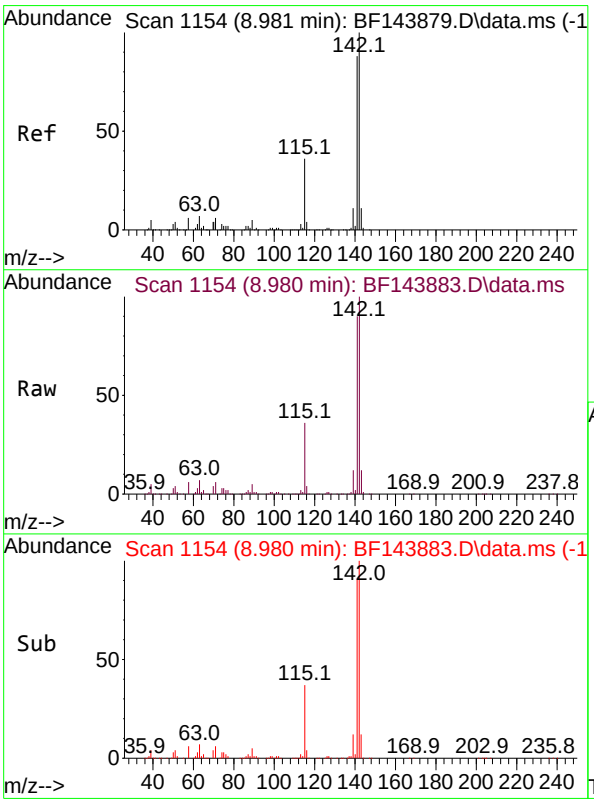
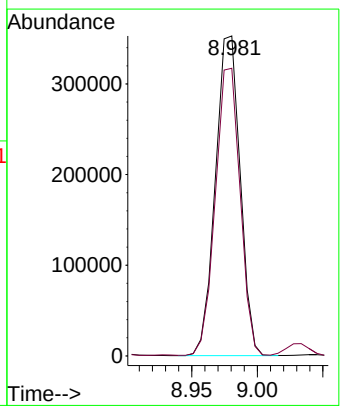
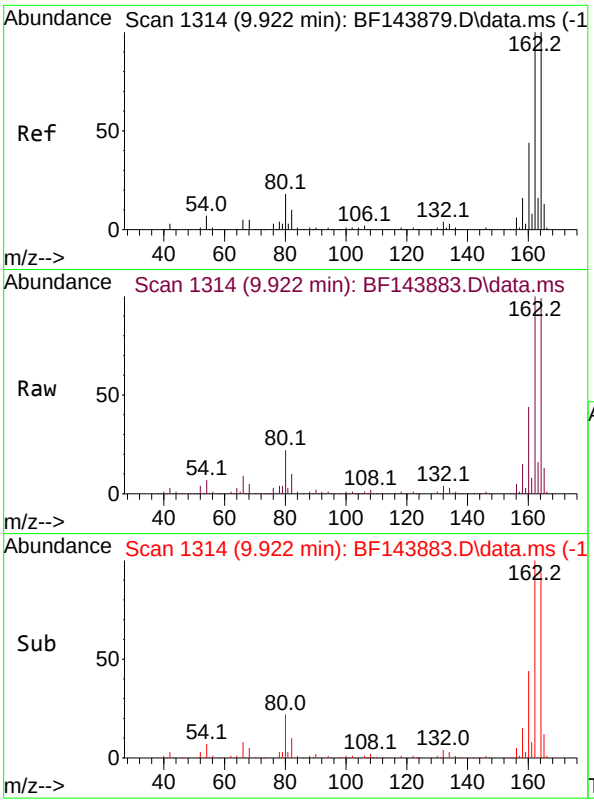


#38
1-Methylnaphthalene
Concen: 35.269 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 465414

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2

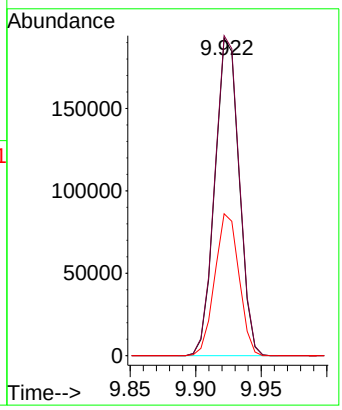




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:164 Resp: 24778

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	44.7	35.4	53.0



Instrument :
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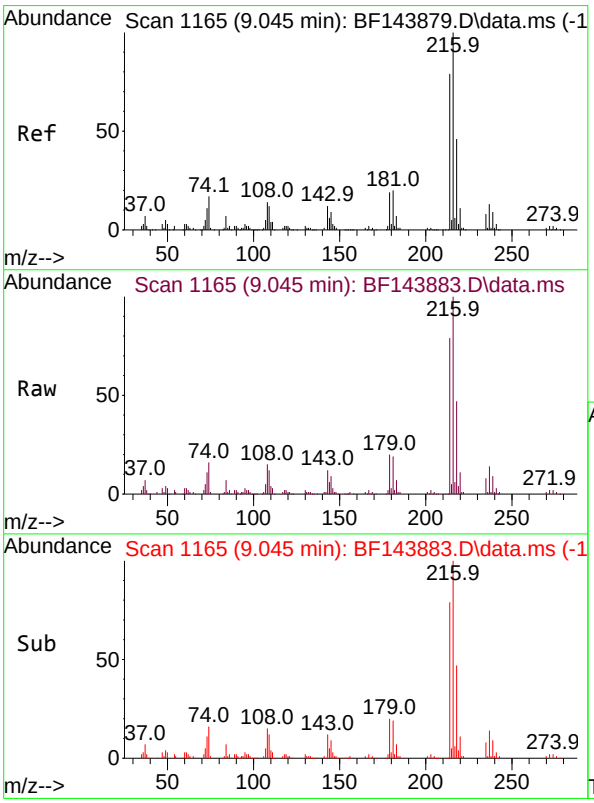
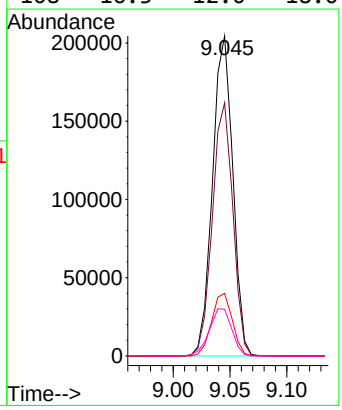
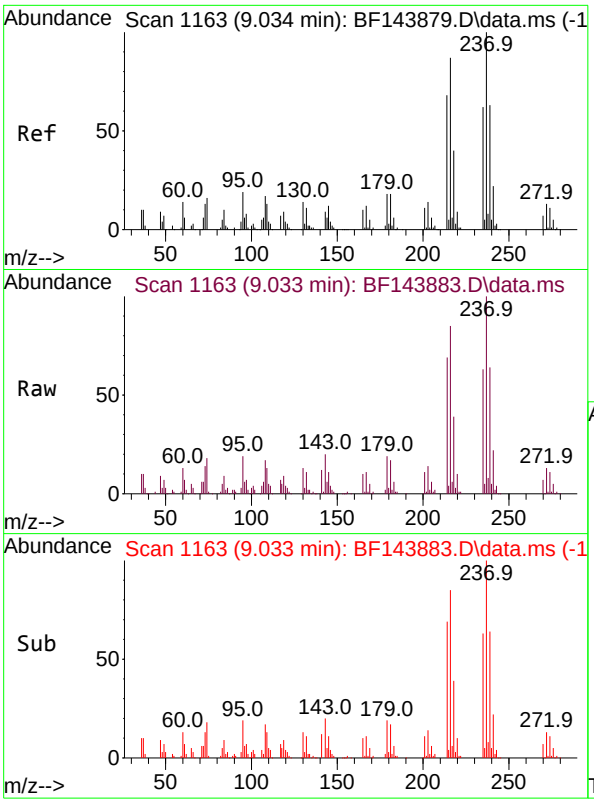


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.122 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:216 Resp: 254223

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.6	94.0
179	19.9	15.4	23.0
108	16.3	12.0	18.0

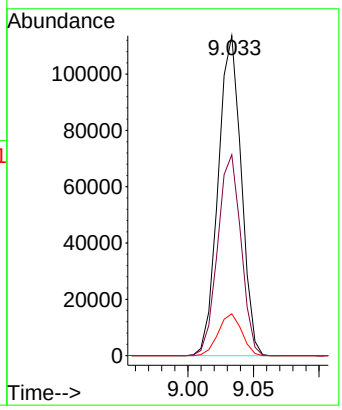




#41
Hexachlorocyclopentadiene
Concen: 48.984 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:237 Resp: 13916

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.3	82.3
272	13.1	0.0	33.1



Instrument :
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ClientSampleId :
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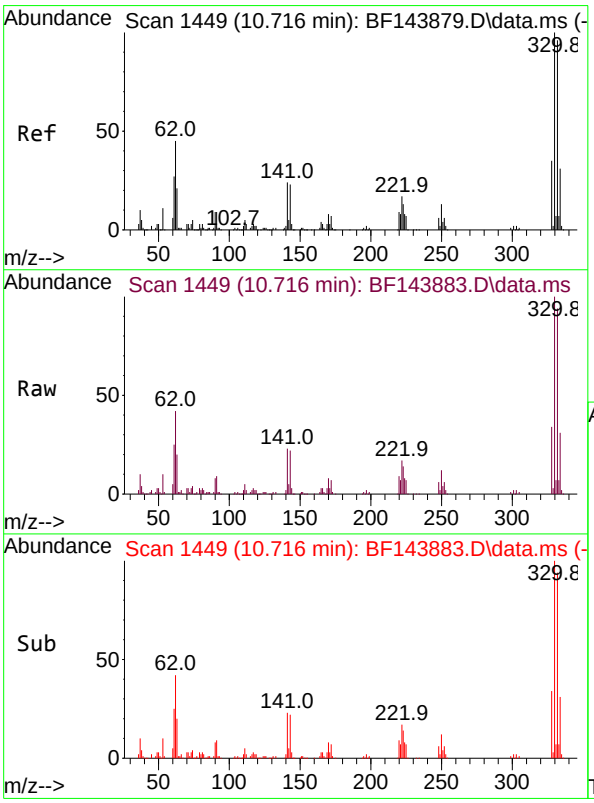
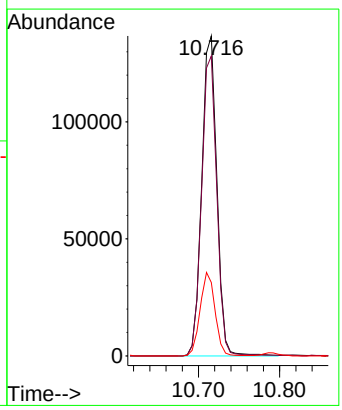
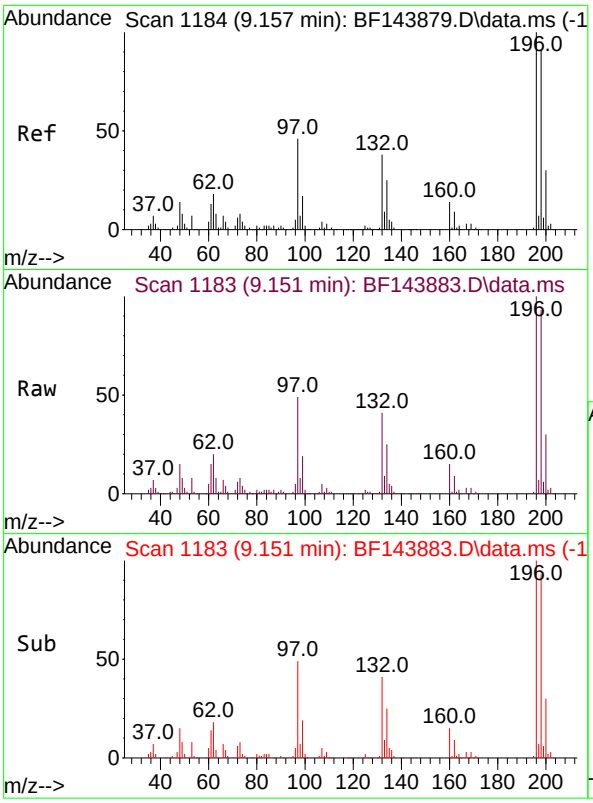


#42
2,4,6-Tribromophenol
Concen: 71.685 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:330 Resp: 176914

Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.9	115.3
141	25.8	20.2	30.4

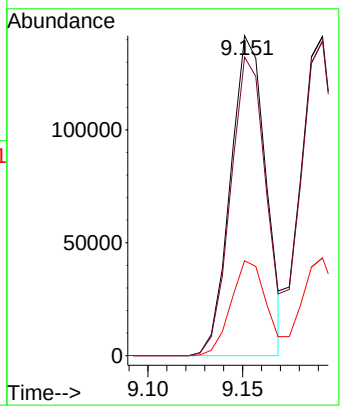




#43
2,4,6-Trichlorophenol
Concen: 36.726 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:196 Resp: 183769

Ion	Ratio	Lower	Upper
196	100		
198	93.3	72.8	109.2
200	29.6	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
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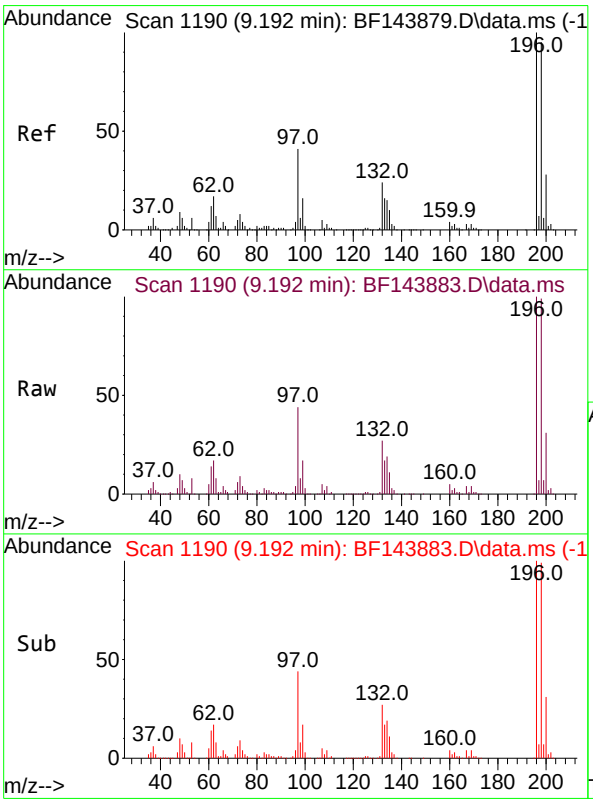
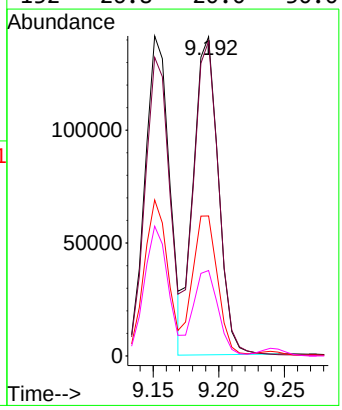
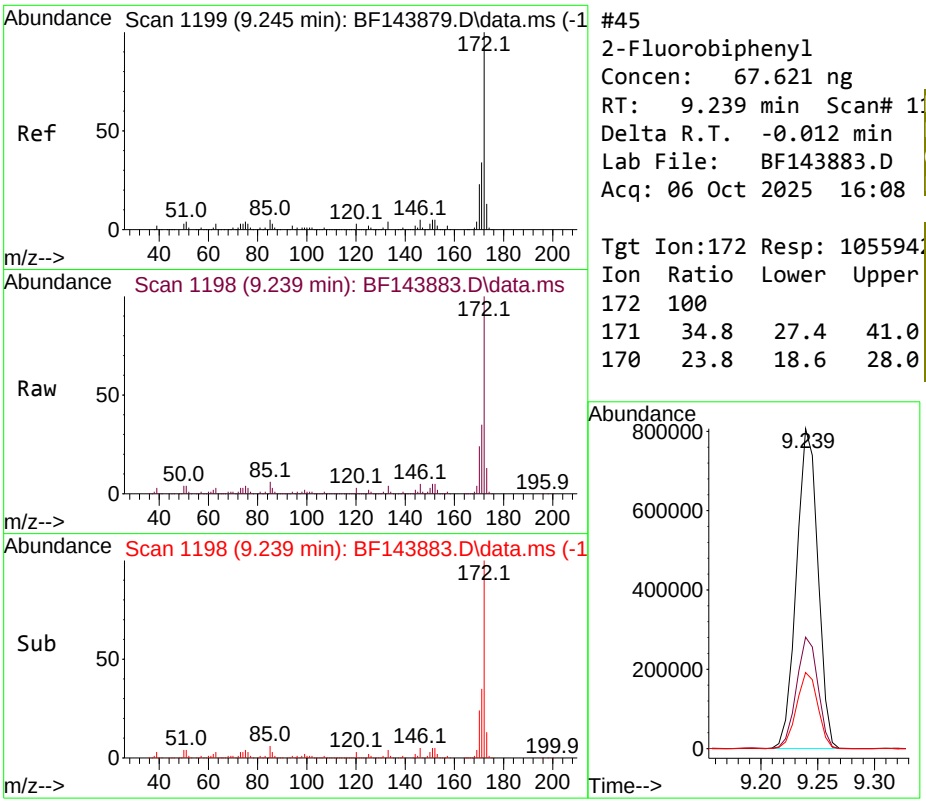


#44
2,4,5-Trichlorophenol
Concen: 35.194 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:196 Resp: 186099

Ion	Ratio	Lower	Upper
196	100		
198	98.6	75.5	113.3
97	43.8	33.9	50.9
132	26.8	20.0	30.0





#45
2-Fluorobiphenyl
Concen: 67.621 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:172 Resp: 105594

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.8	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
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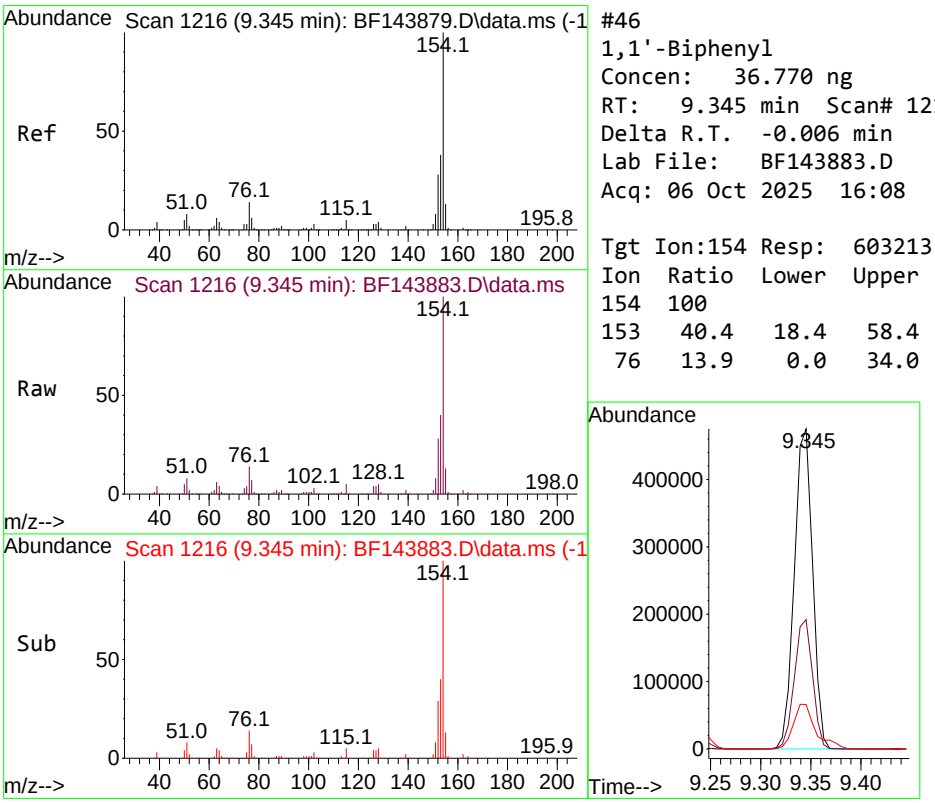
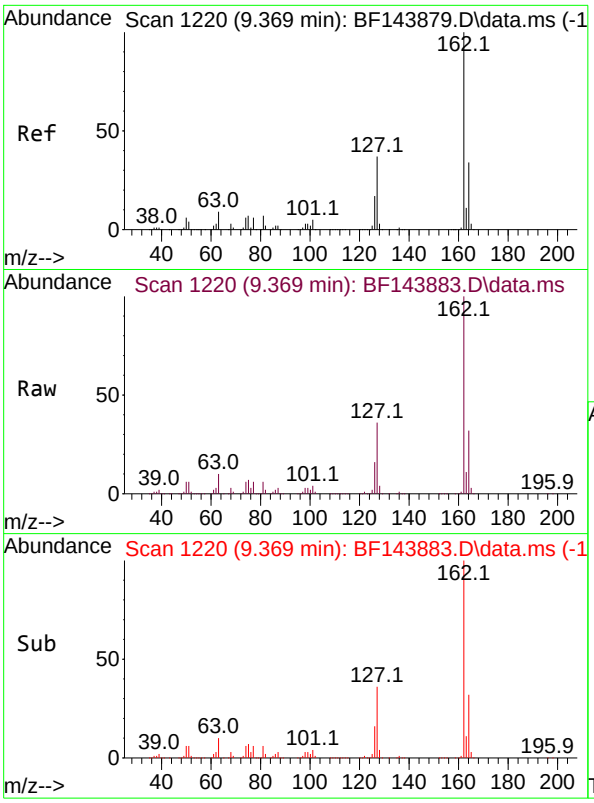


#46
1,1'-Biphenyl
Concen: 36.770 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:154 Resp: 603213

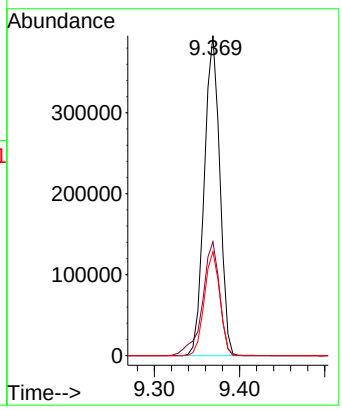
Ion	Ratio	Lower	Upper
154	100		
153	40.4	18.4	58.4
76	13.9	0.0	34.0



#47
2-Chloronaphthalene
Concen: 36.454 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:162 Resp: 49861

Ion	Ratio	Lower	Upper
162	100		
127	35.6	30.2	45.2
164	32.5	26.9	40.3



Instrument :
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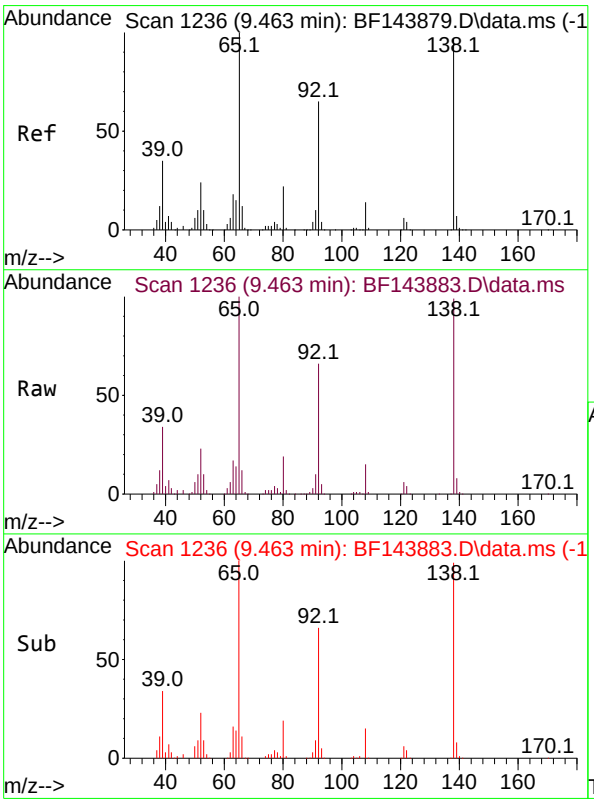
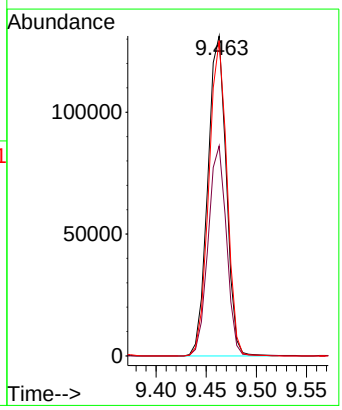
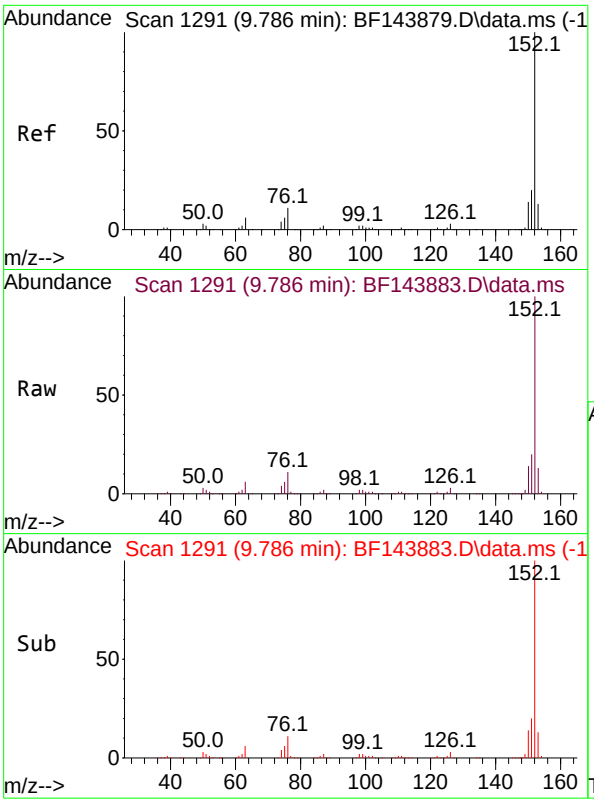


#48
2-Nitroaniline
Concen: 38.894 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 65 Resp: 168191

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.1	78.1
138	98.5	77.4	116.2

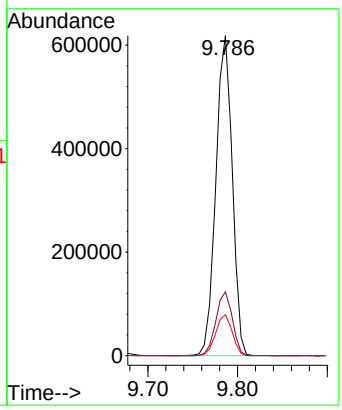




#49
Acenaphthylene
Concen: 40.859 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:152 Resp: 78569

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.8	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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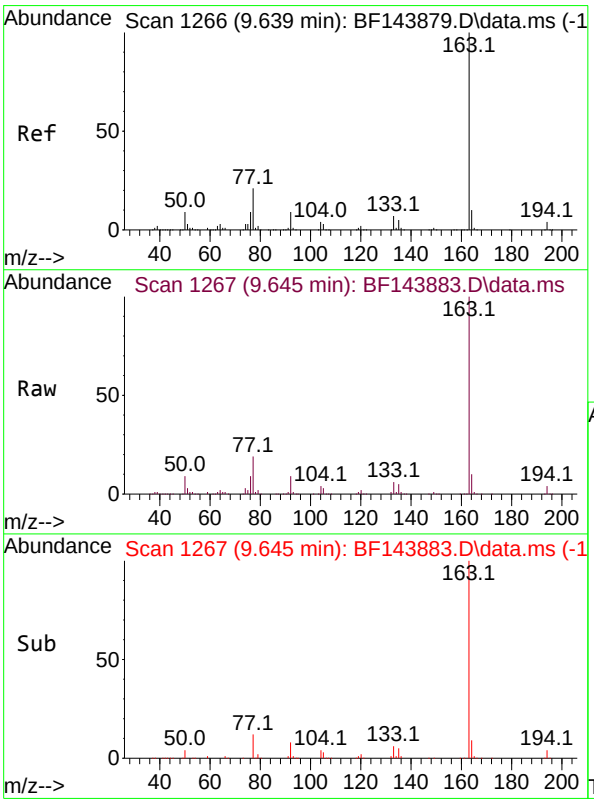
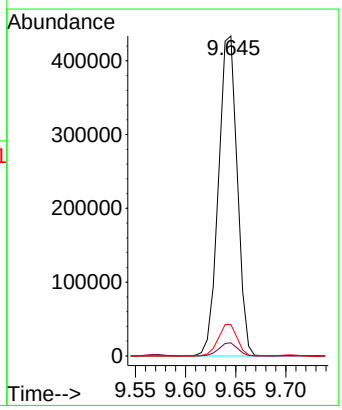
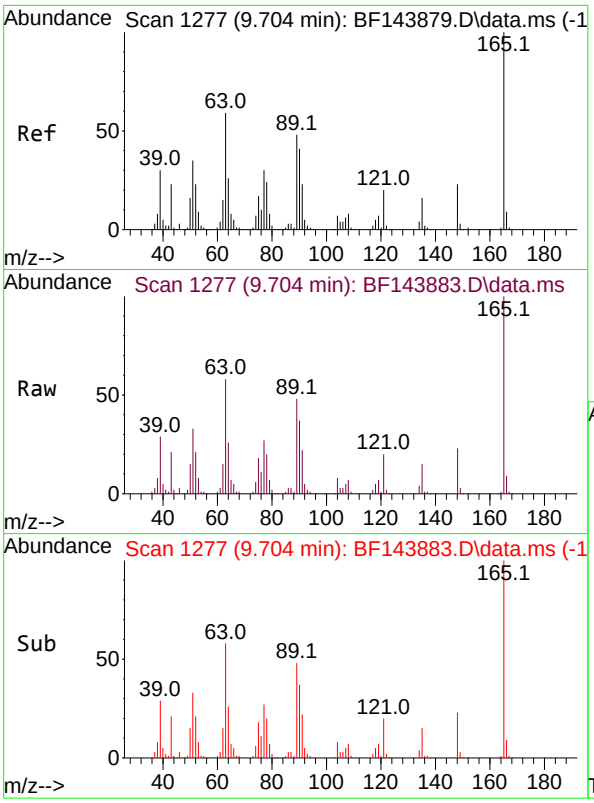


#50
Dimethylphthalate
Concen: 35.968 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:163 Resp: 565953

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	8.1	12.1

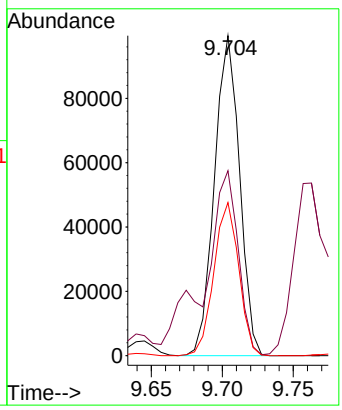




#51
2,6-Dinitrotoluene
Concen: 41.967 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:165 Resp: 12244

Ion	Ratio	Lower	Upper
165	100		
63	57.8	47.3	70.9
89	47.8	38.2	57.4



Instrument :
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ClientSampleId :
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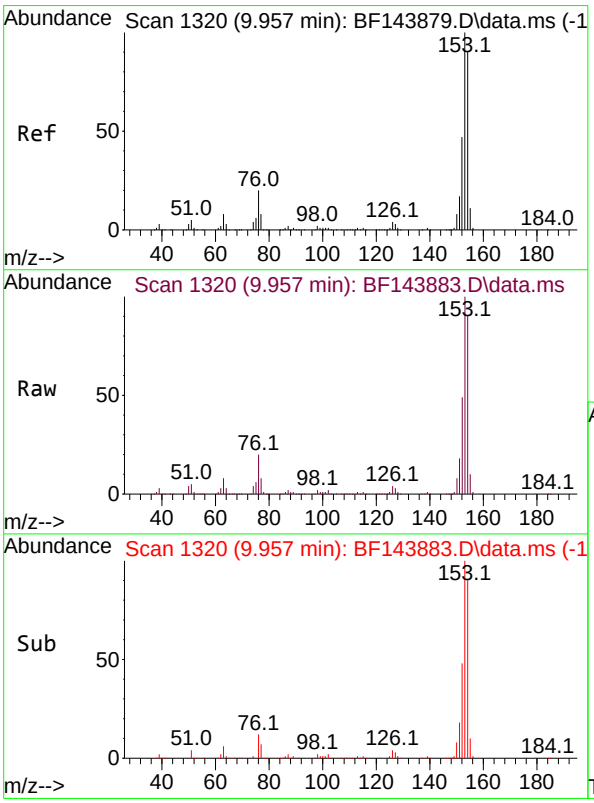
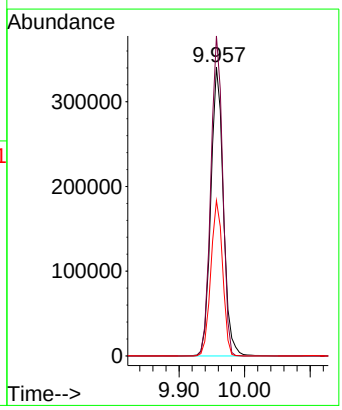
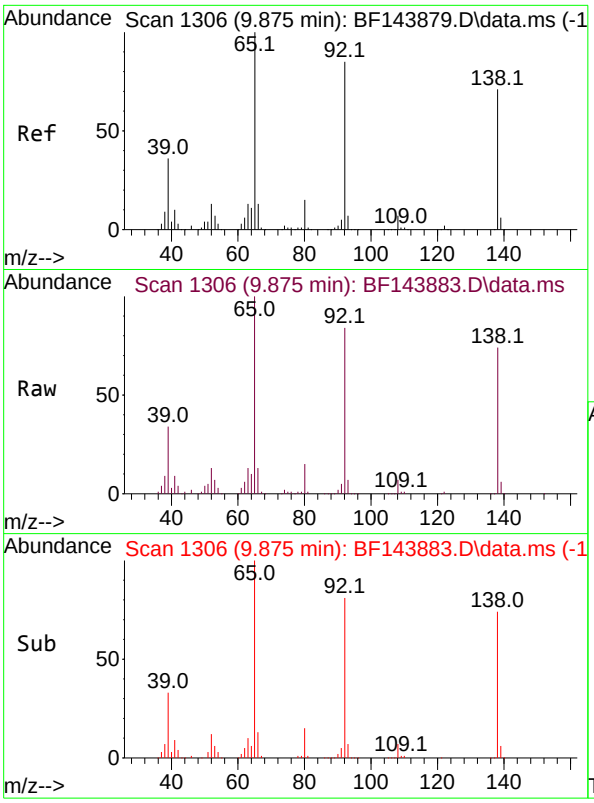


#52
Acenaphthene
Concen: 35.913 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:154 Resp: 452513

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.3	133.9
152	53.8	42.2	63.2





#53
3-Nitroaniline
Concen: 40.493 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:138 Resp: 14466

Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.3	12.5
92	114.2	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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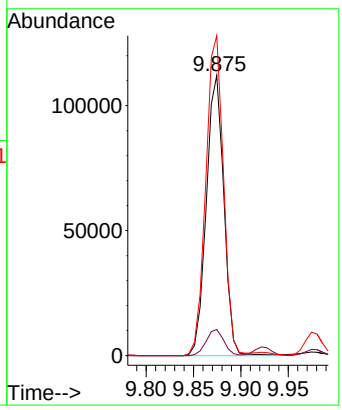
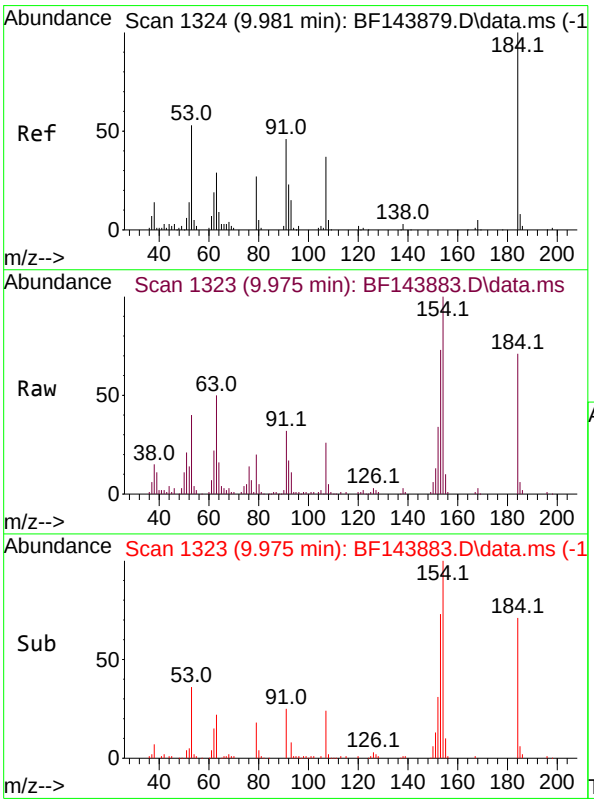
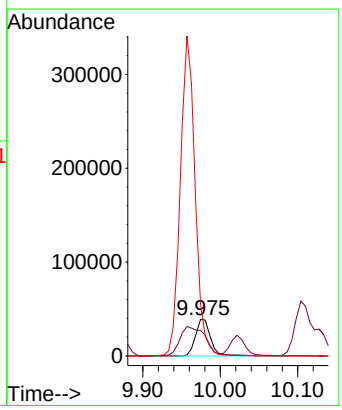


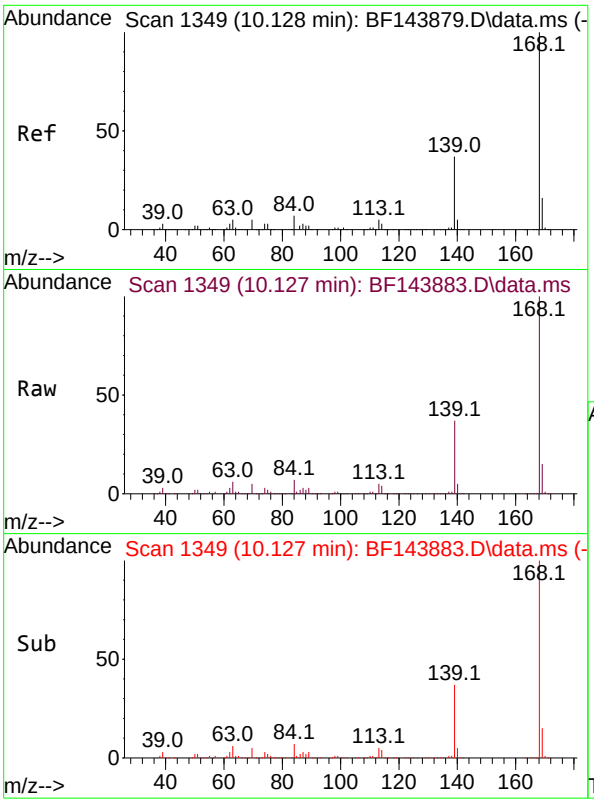


#54
2,4-Dinitrophenol
Concen: 33.731 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:184 Resp: 52796

Ion	Ratio	Lower	Upper
184	100		
63	70.0	48.2	72.4
154	140.2	49.2	73.8#

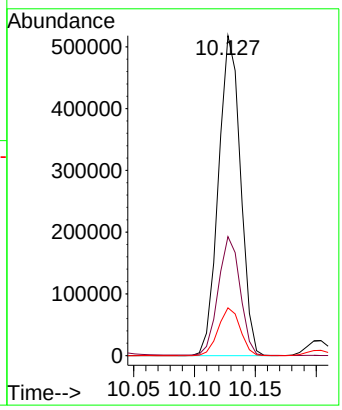




#55
Dibenzofuran
Concen: 36.717 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:168 Resp: 65307

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.8
169	15.0	12.8	19.2



Instrument :
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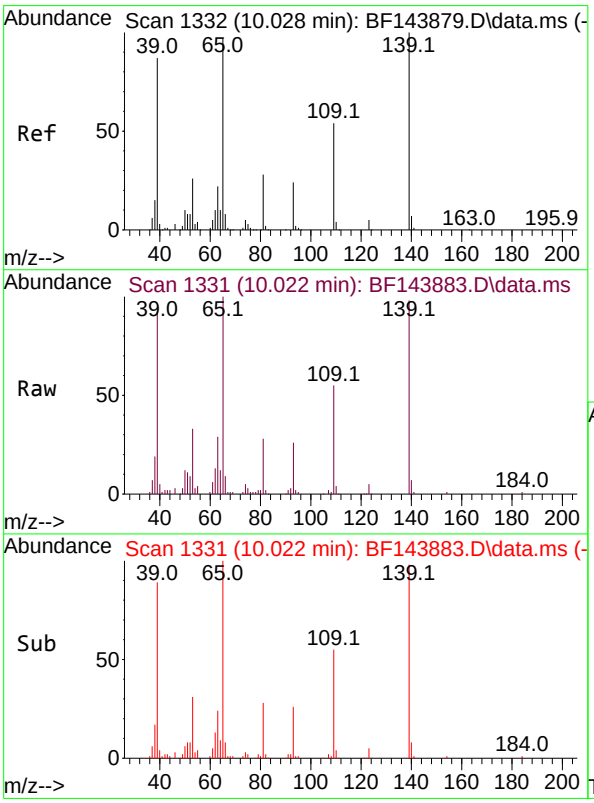
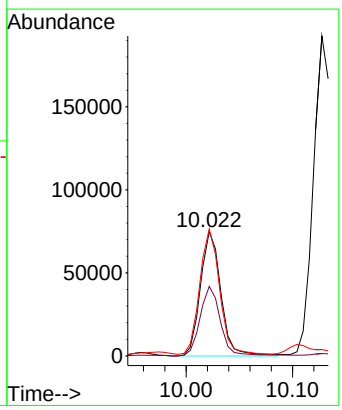
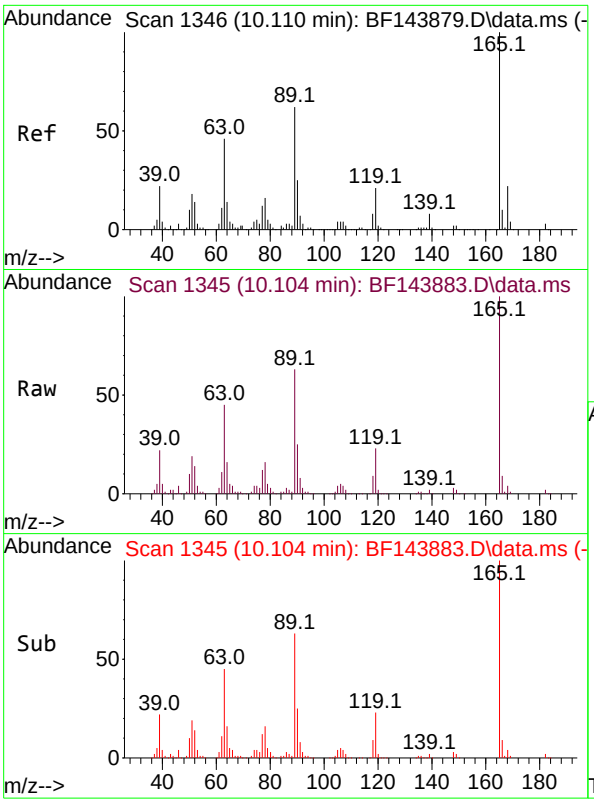


#56
4-Nitrophenol
Concen: 36.850 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:139 Resp: 99684

Ion	Ratio	Lower	Upper
139	100		
109	56.0	34.5	74.5
65	102.2	77.6	117.6

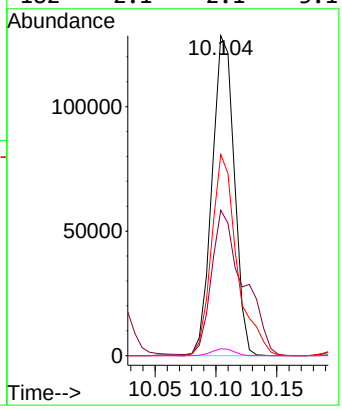




#57
2,4-Dinitrotoluene
Concen: 41.169 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:165 Resp: 16344

Ion	Ratio	Lower	Upper
165	100		
63	45.4	37.2	55.8
89	62.8	49.4	74.2
182	2.1	2.1	3.1



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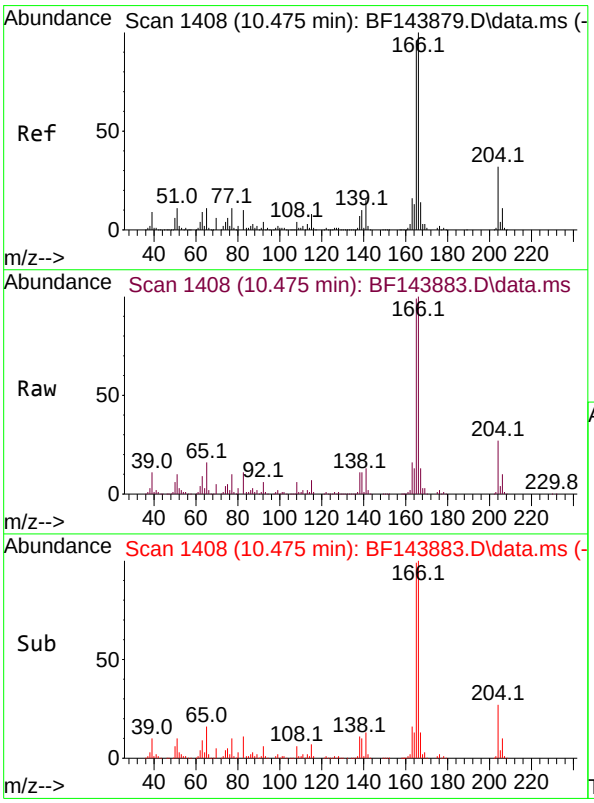
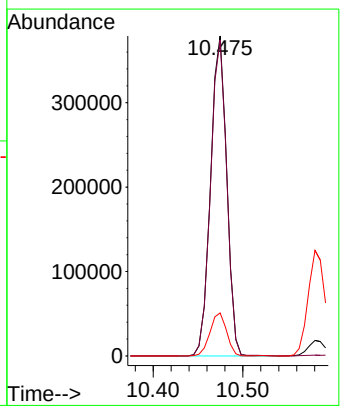
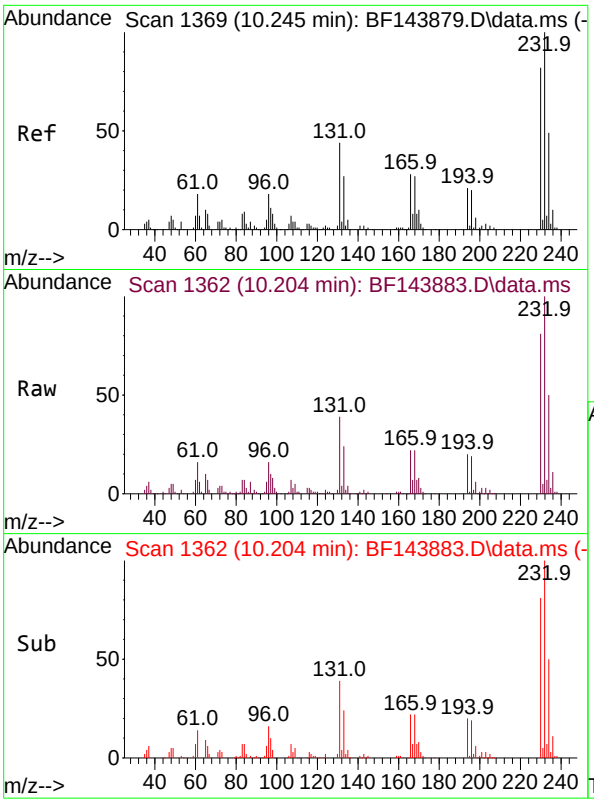


#58
Fluorene
Concen: 35.527 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:166 Resp: 476811

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.0	115.6
167	13.4	11.1	16.7

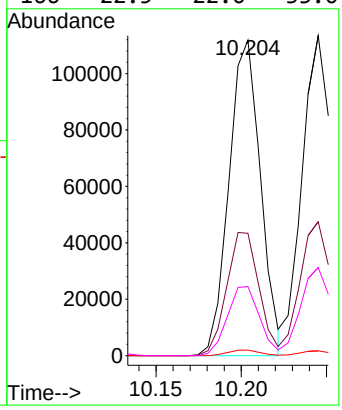




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.488 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:232 Resp: 144064

Ion	Ratio	Lower	Upper
232	100		
131	40.0	34.9	52.3
130	1.8	1.6	2.4
166	22.5	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
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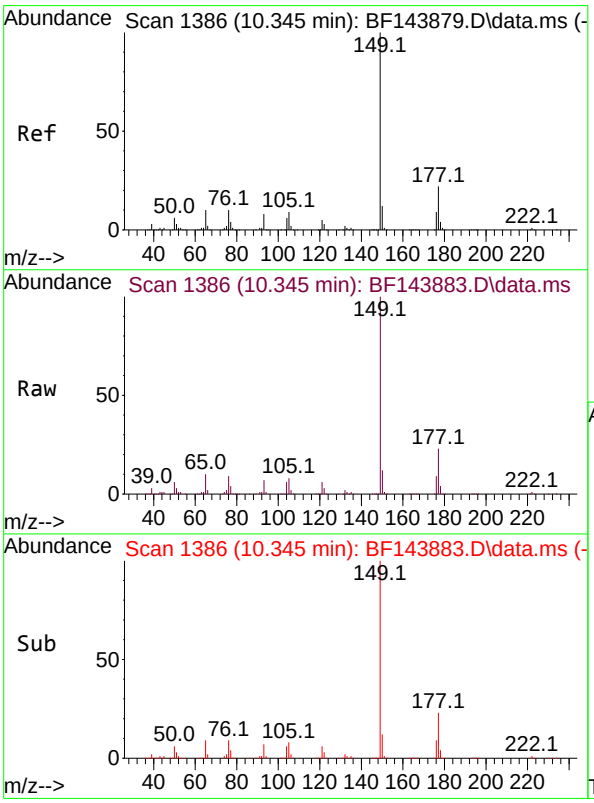
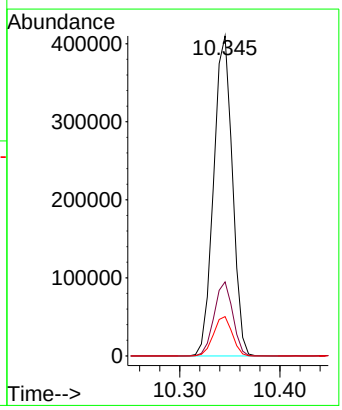
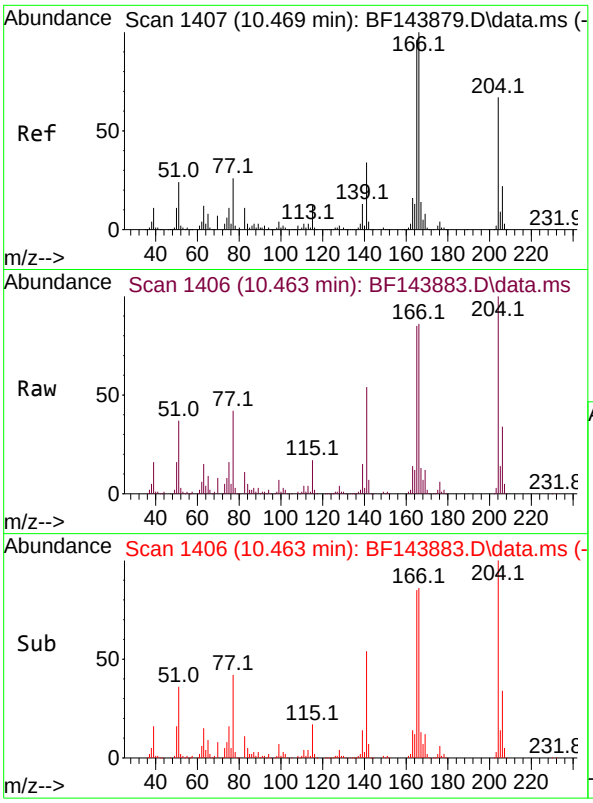


#60
Diethylphthalate
Concen: 36.501 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 533574

Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.9	26.9
150	12.3	9.8	14.8

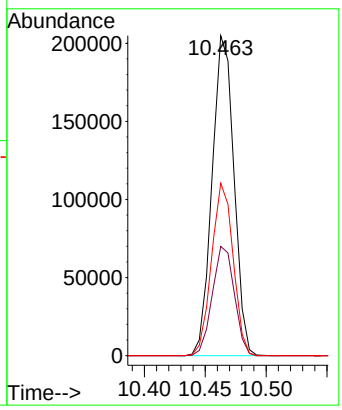




#61
4-Chlorophenyl-phenylether
Concen: 36.113 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:204 Resp: 25624

Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	53.9	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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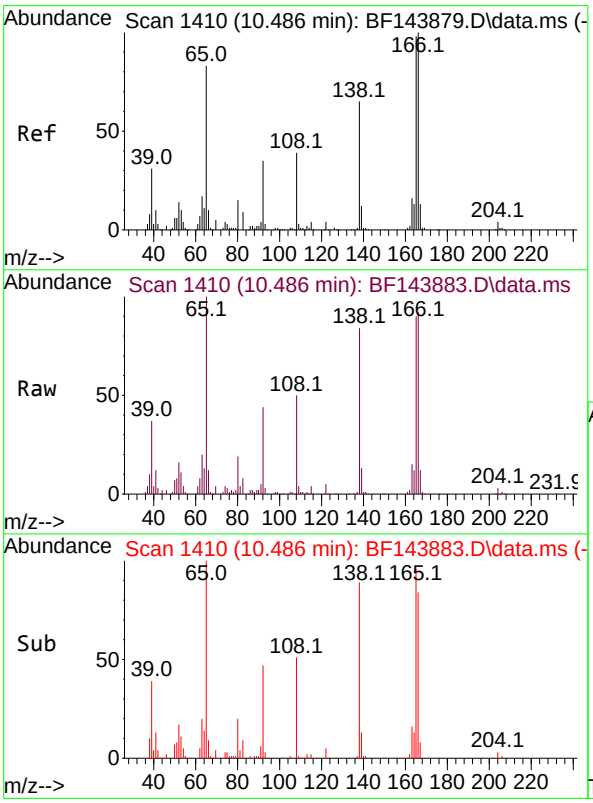
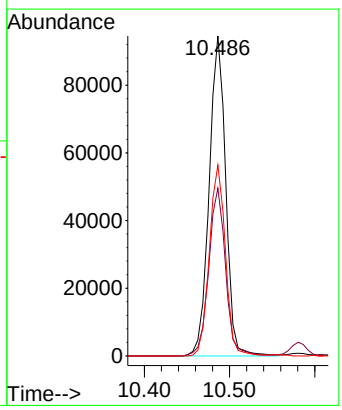
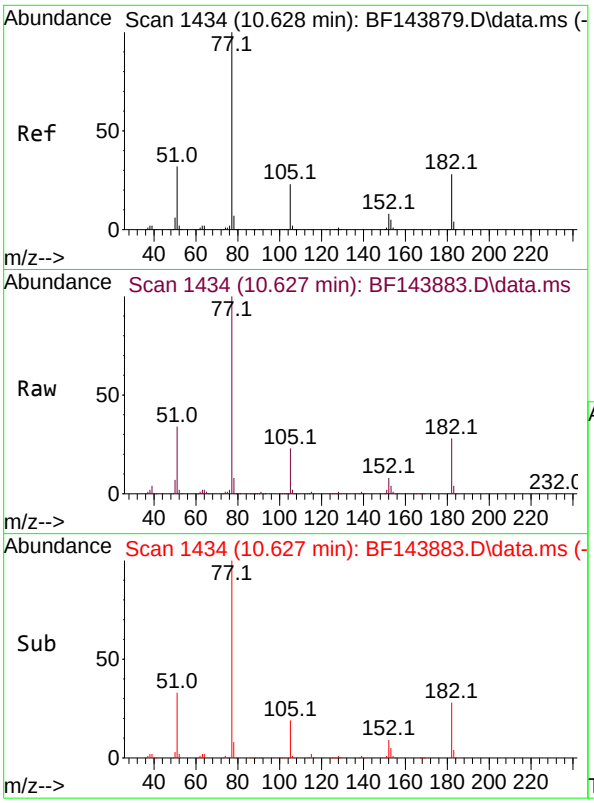


#62
4-Nitroaniline
Concen: 37.074 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:138 Resp: 127369

Ion	Ratio	Lower	Upper
138	100		
92	52.4	33.9	73.9
108	59.6	40.2	80.2

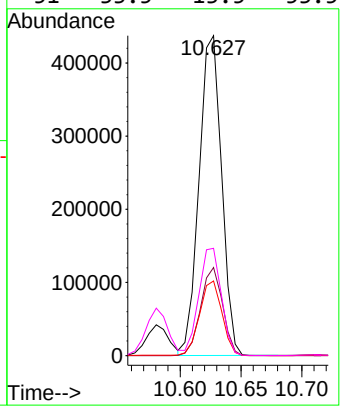




#63
Azobenzene
Concen: 36.837 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 56278

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.3	47.3
105	23.3	3.0	43.0
51	33.5	13.5	53.5



Instrument :
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ClientSampleId :
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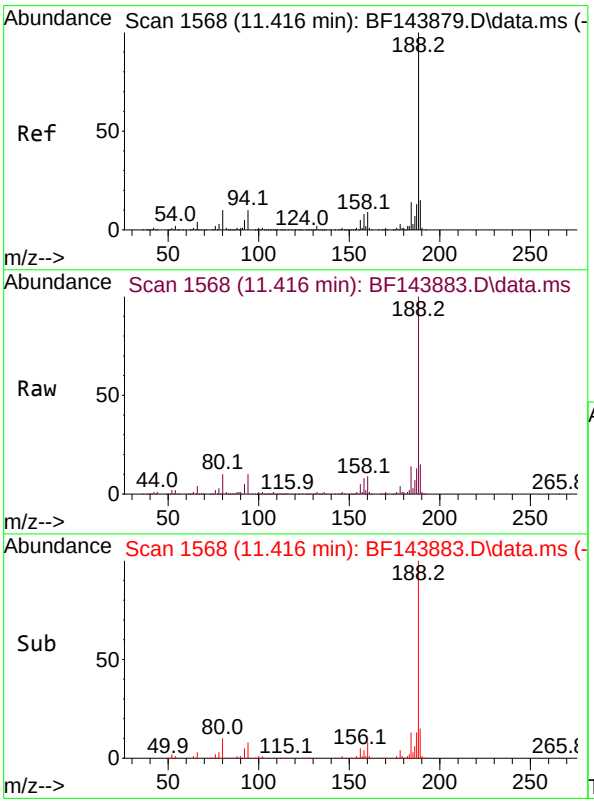
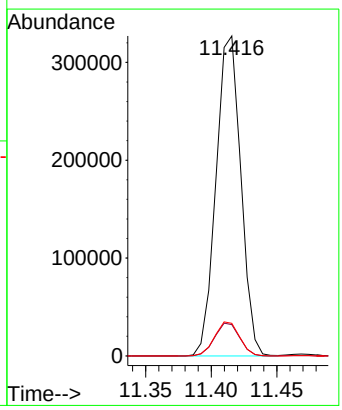
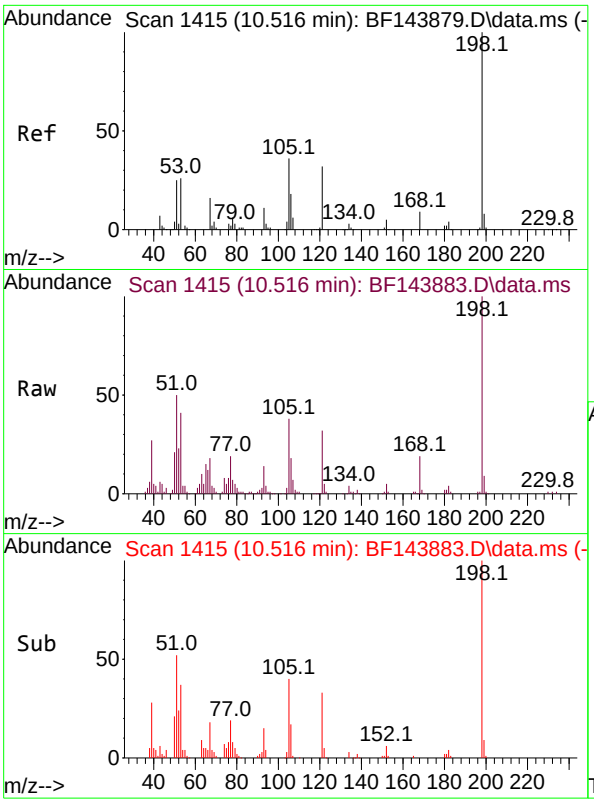


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:188 Resp: 431562

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.6
80	10.2	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 37.083 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:198 Resp: 8042

Ion	Ratio	Lower	Upper
198	100		
51	49.7	33.8	73.8
105	37.9	17.0	57.0

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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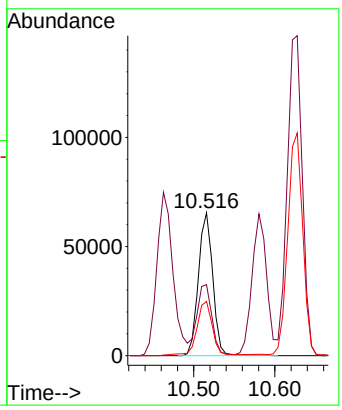
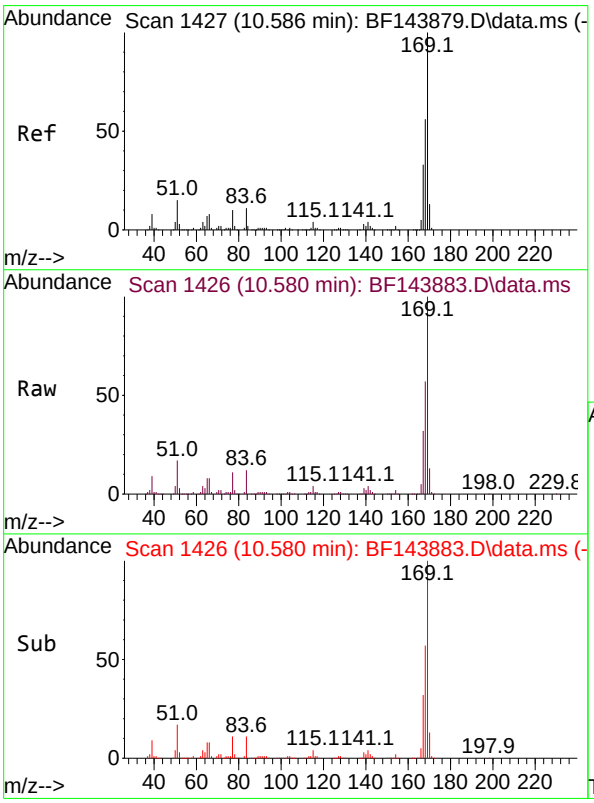
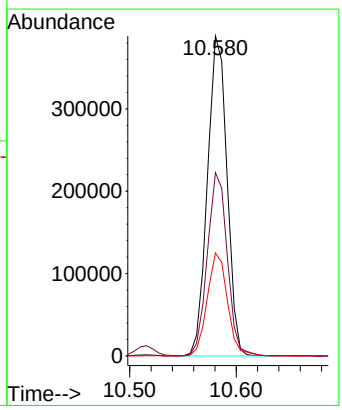


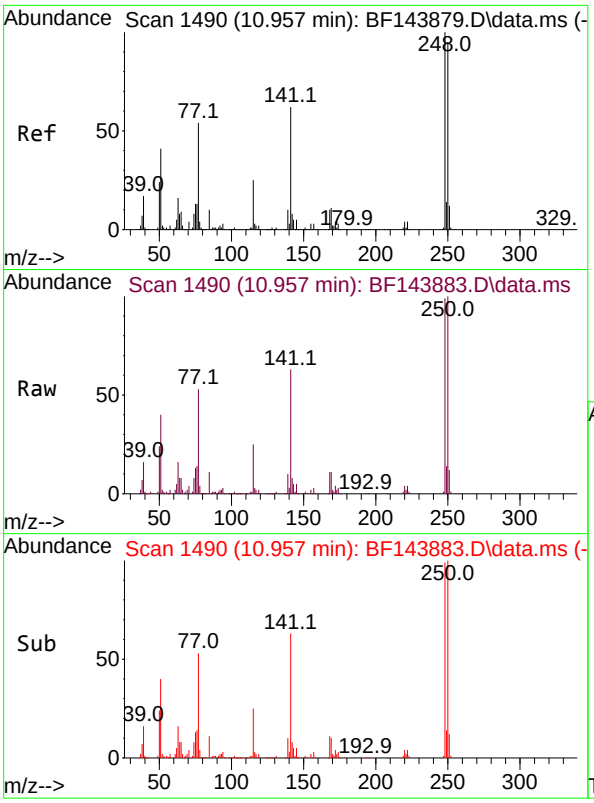


#66
n-Nitrosodiphenylamine
Concen: 36.649 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:169 Resp: 496618

Ion	Ratio	Lower	Upper
169	100		
168	57.3	44.9	67.3
167	32.2	26.3	39.5

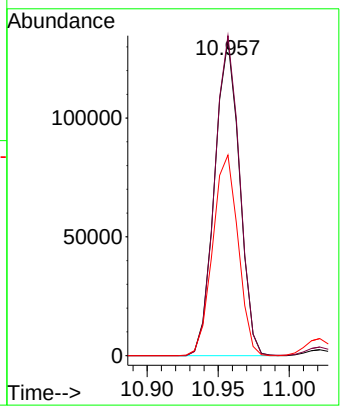




#67
4-Bromophenyl-phenylether
Concen: 33.973 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:248 Resp: 16203

Ion	Ratio	Lower	Upper
248	100		
250	101.4	76.3	114.5
141	63.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
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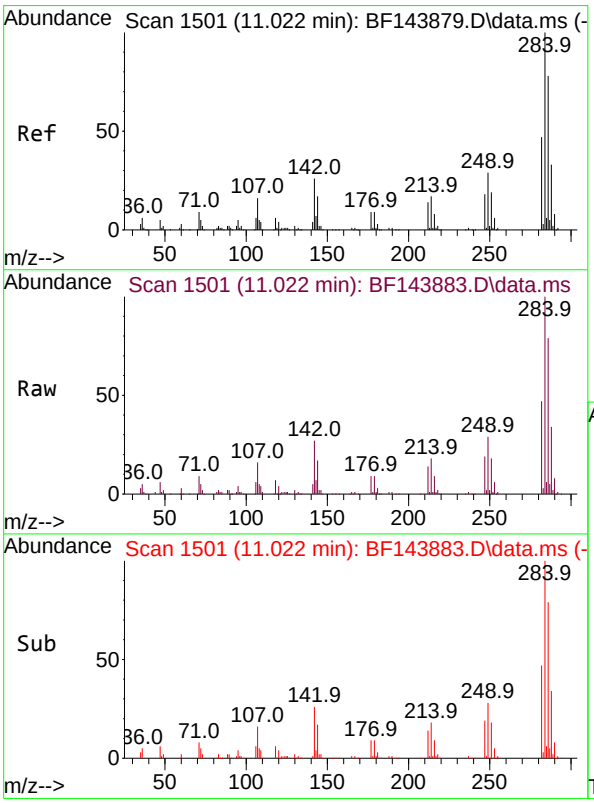
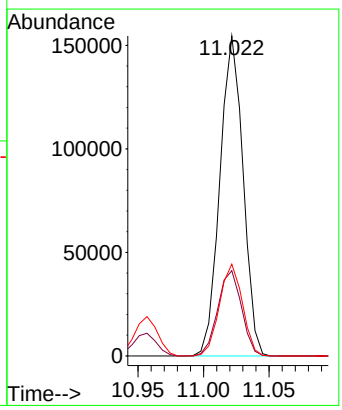
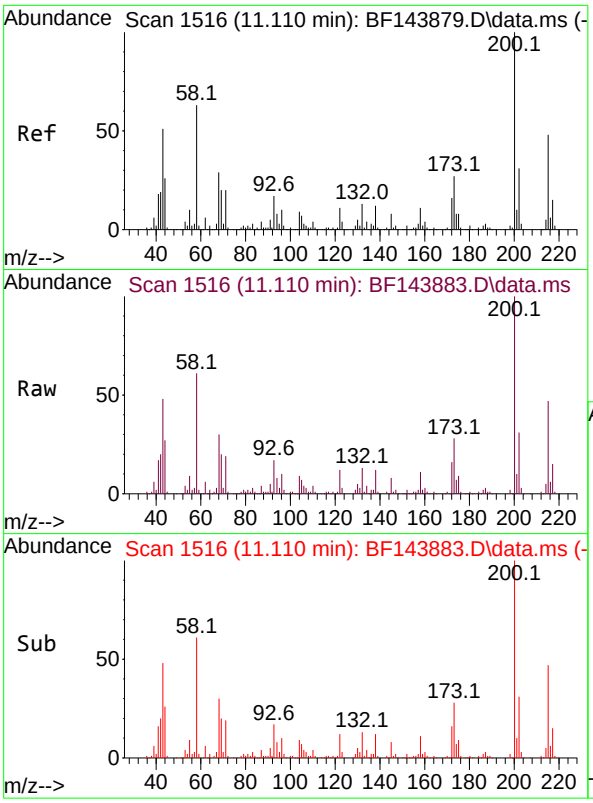


#68
Hexachlorobenzene
Concen: 34.415 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:284 Resp: 190028

Ion	Ratio	Lower	Upper
284	100		
142	26.6	20.6	30.8
249	28.7	23.2	34.8

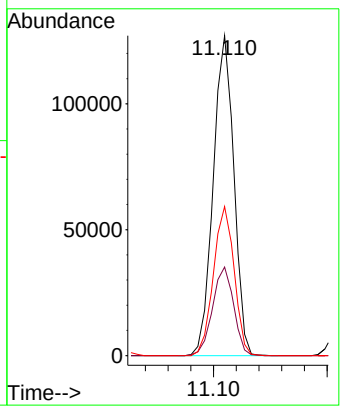




#69
Atrazine
Concen: 39.016 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:200 Resp: 16024

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.0	47.0
215	46.6	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
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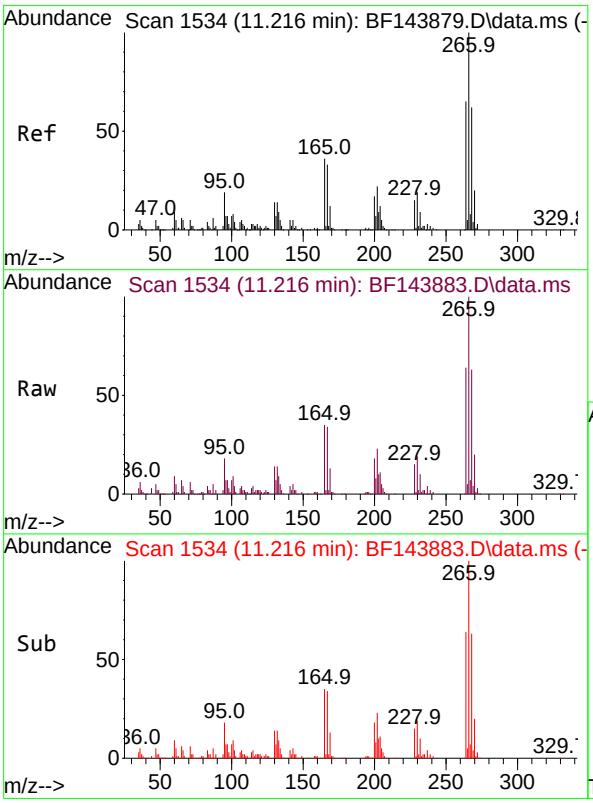
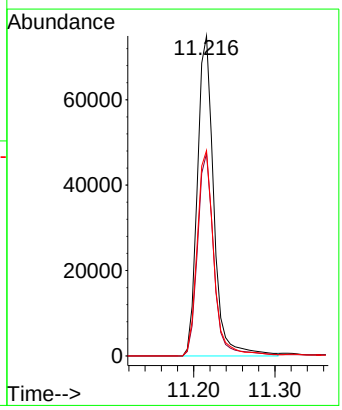
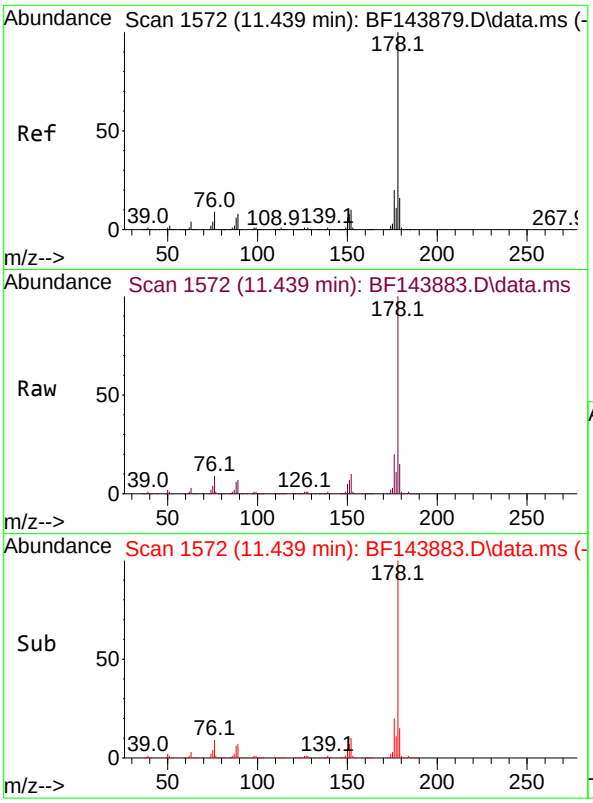


#70
Pentachlorophenol
Concen: 33.097 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:266 Resp: 104958

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.4	74.0
264	64.2	51.8	77.6

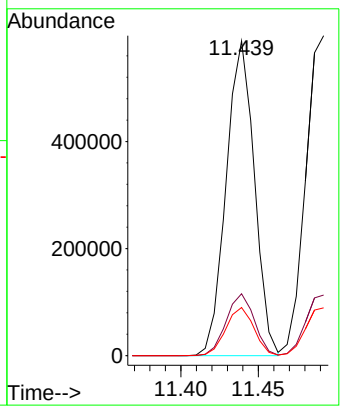




#71
Phenanthrene
Concen: 35.542 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:178 Resp: 74360

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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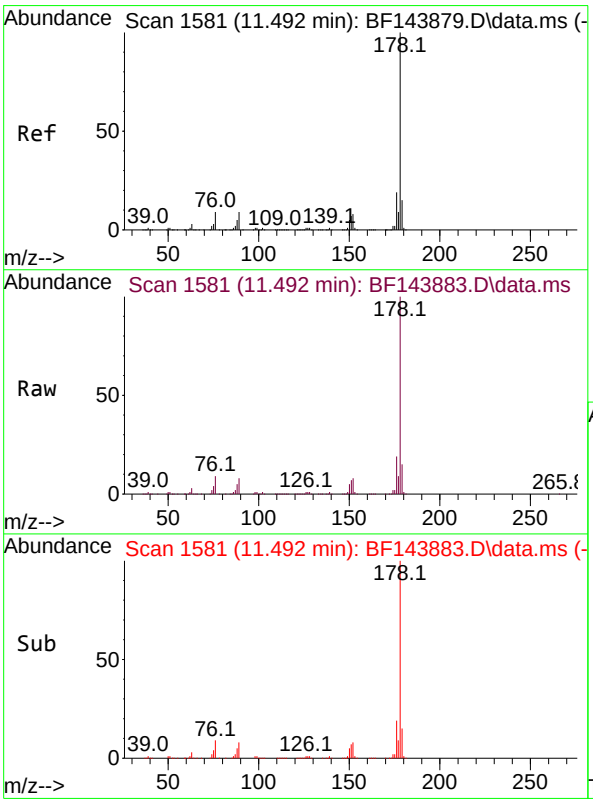
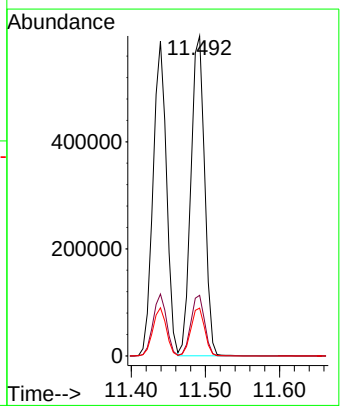
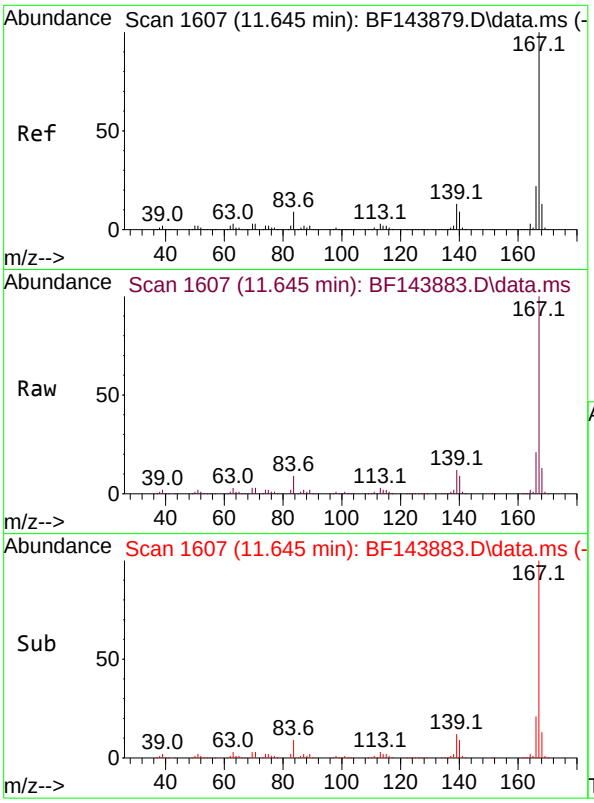


#72
Anthracene
Concen: 36.273 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:178 Resp: 766674

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	14.9	12.2	18.2

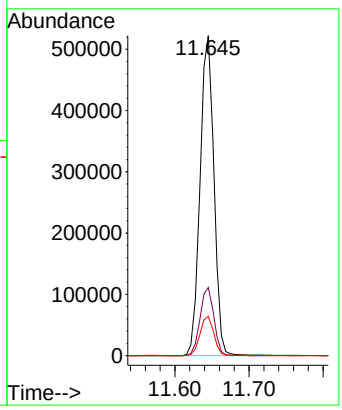




#73
Carbazole
Concen: 36.246 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:167 Resp: 67852

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.3	10.1	15.1



Instrument :
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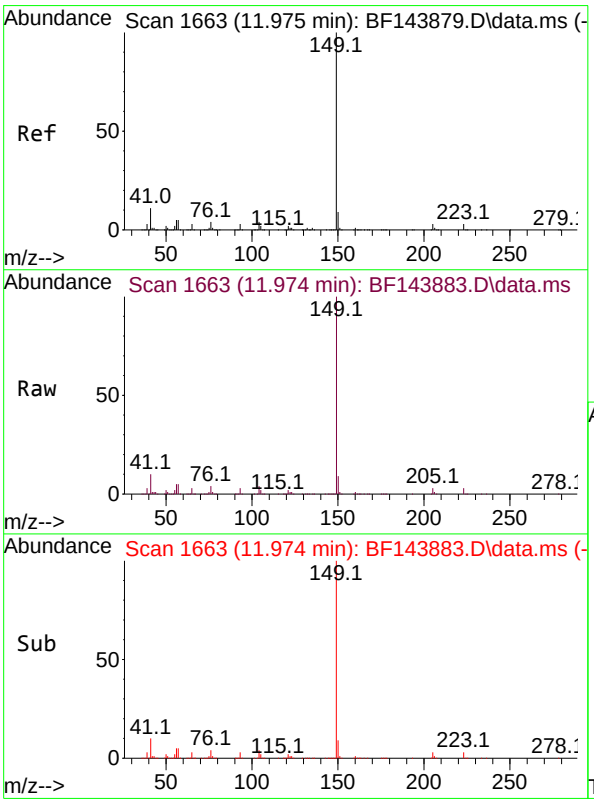
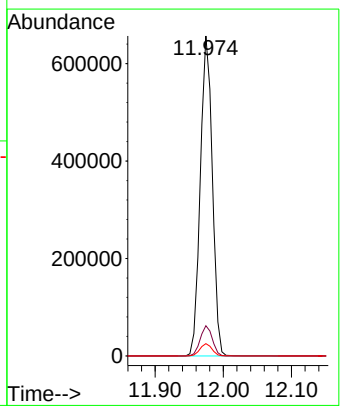
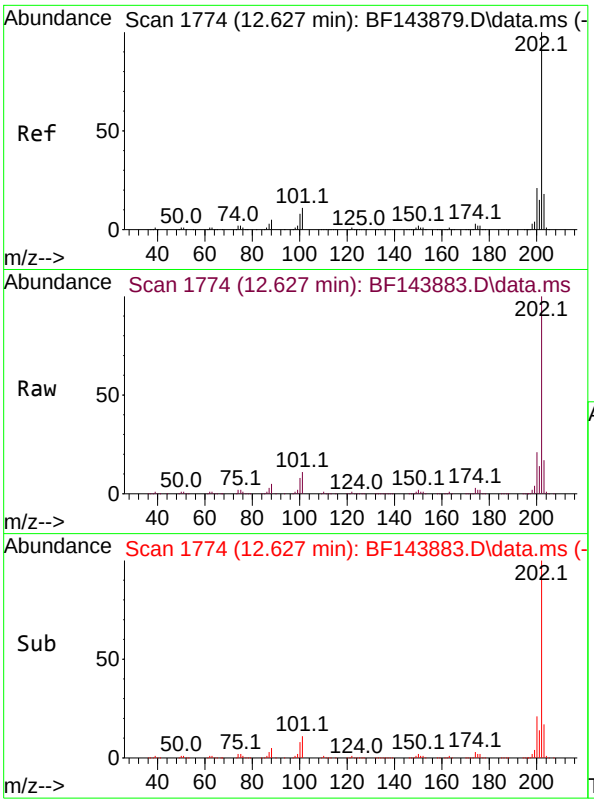


#74
Di-n-butylphthalate
Concen: 37.171 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 806451

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	3.9	3.4	5.2

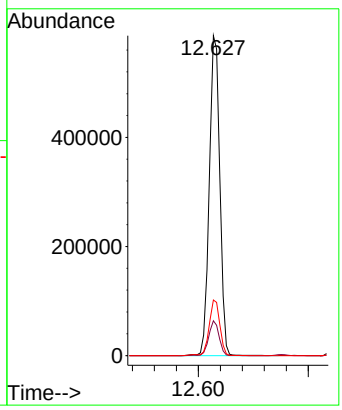




#75
Fluoranthene
Concen: 36.019 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:202 Resp: 778418

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.7
203	17.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
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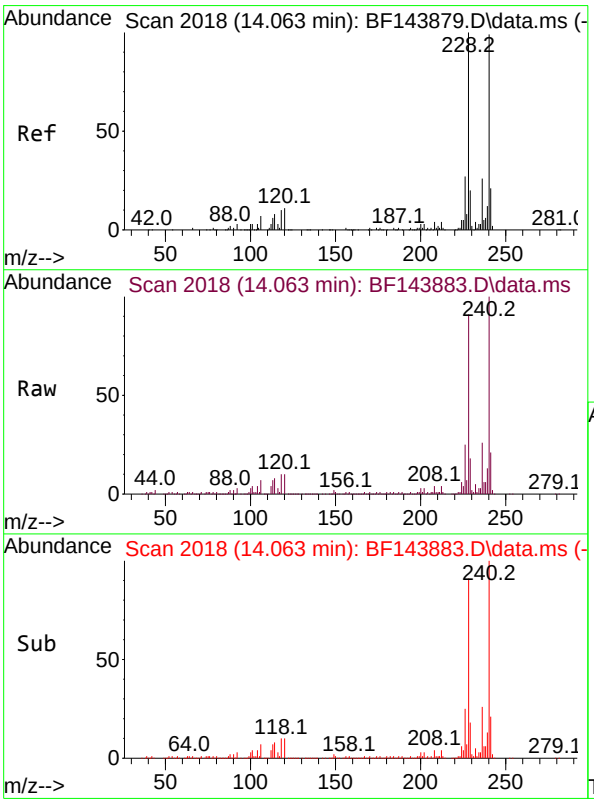
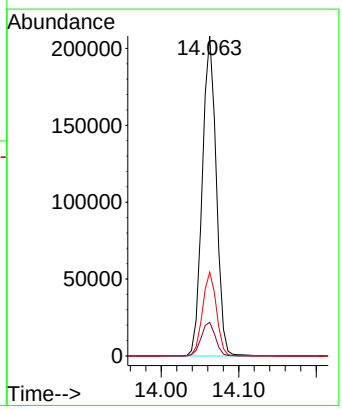
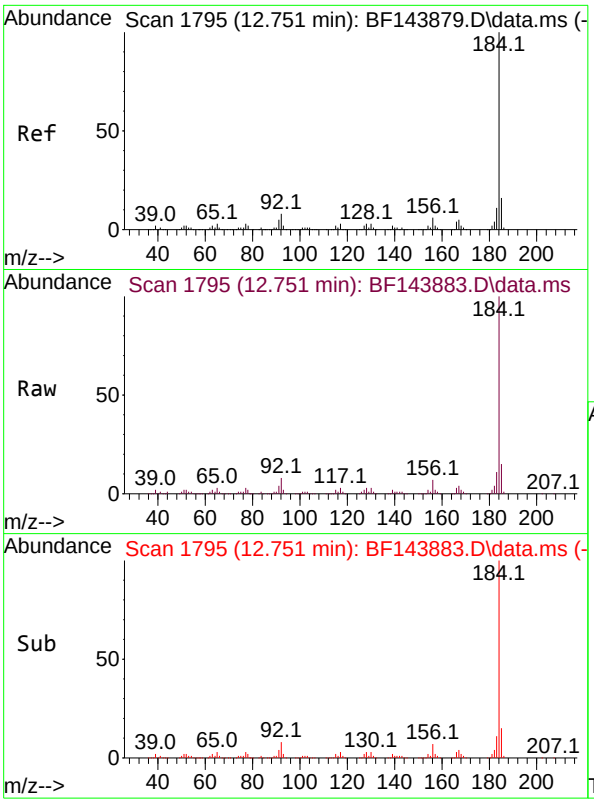


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:240 Resp: 259802

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	26.2	21.1	31.7





#77
Benzidine
Concen: 45.411 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:184 Resp: 40965

Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.6	18.8
183	10.8	8.8	13.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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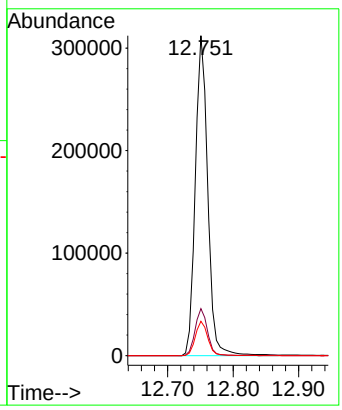
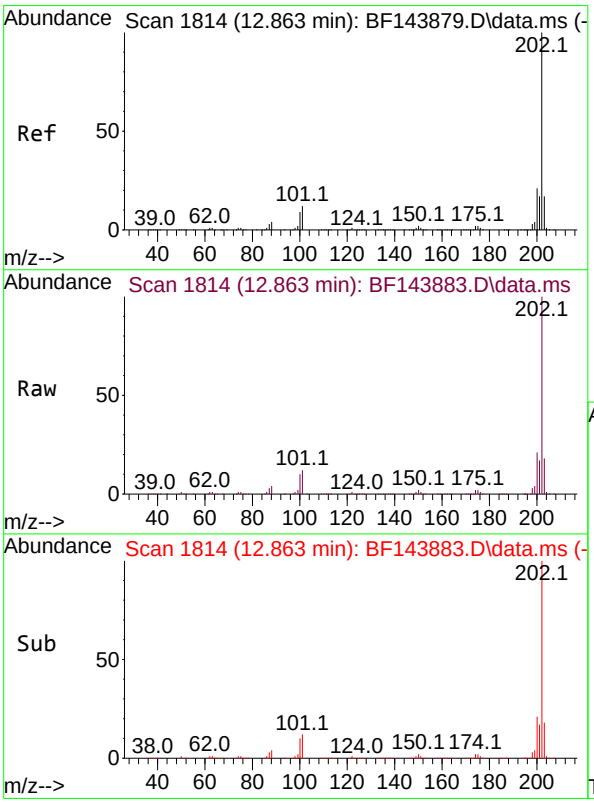
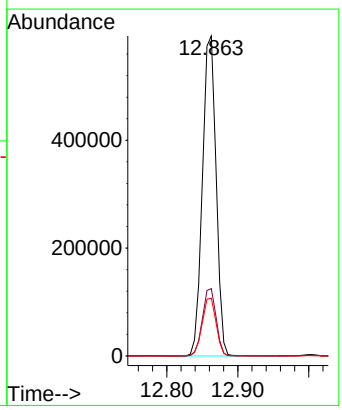


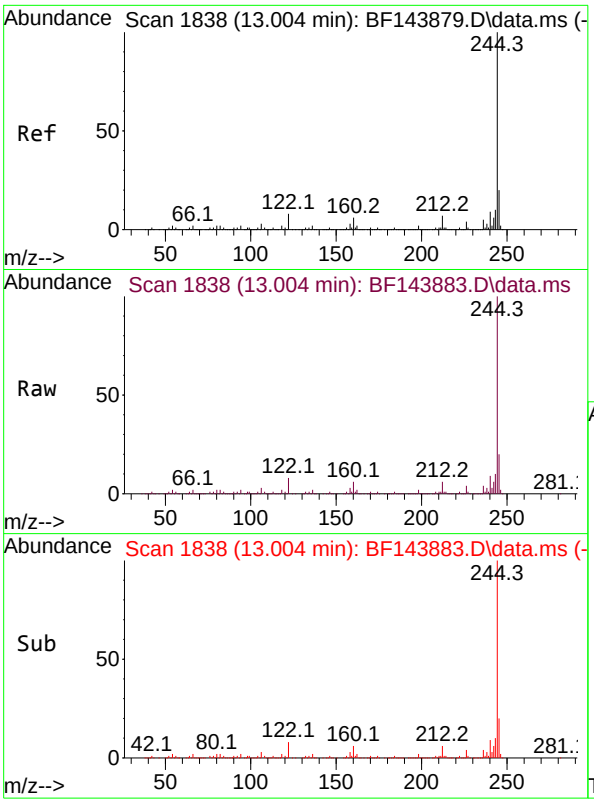


#78
Pyrene
Concen: 36.431 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:202 Resp: 789075

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	18.0	13.8	20.6

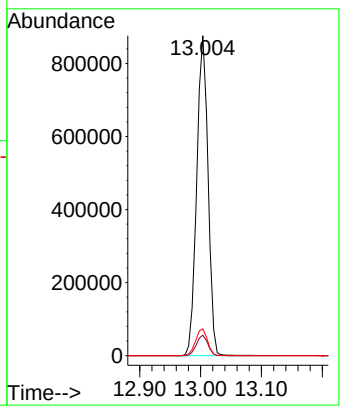




#79
Terphenyl-d14
Concen: 74.443 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:244 Resp: 113163

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.3	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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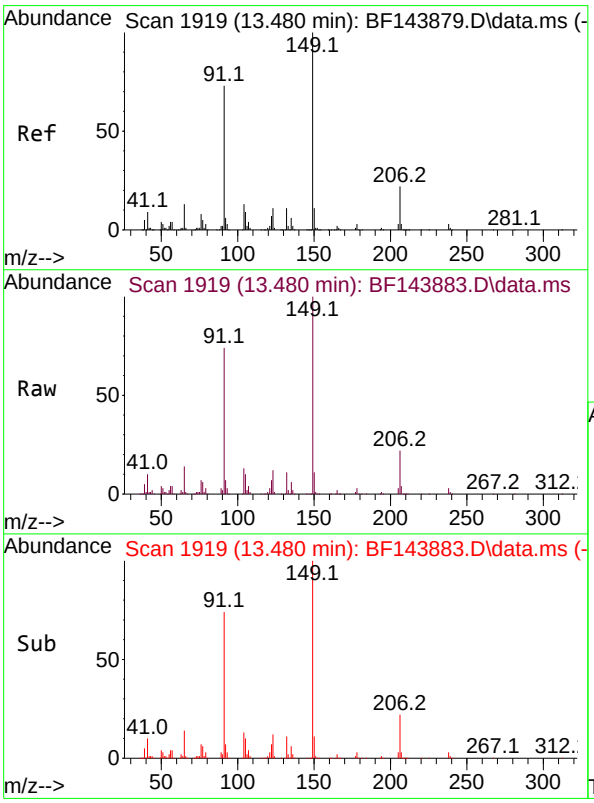
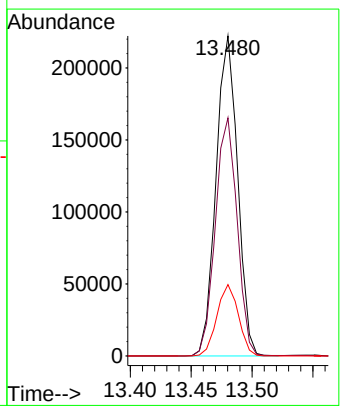
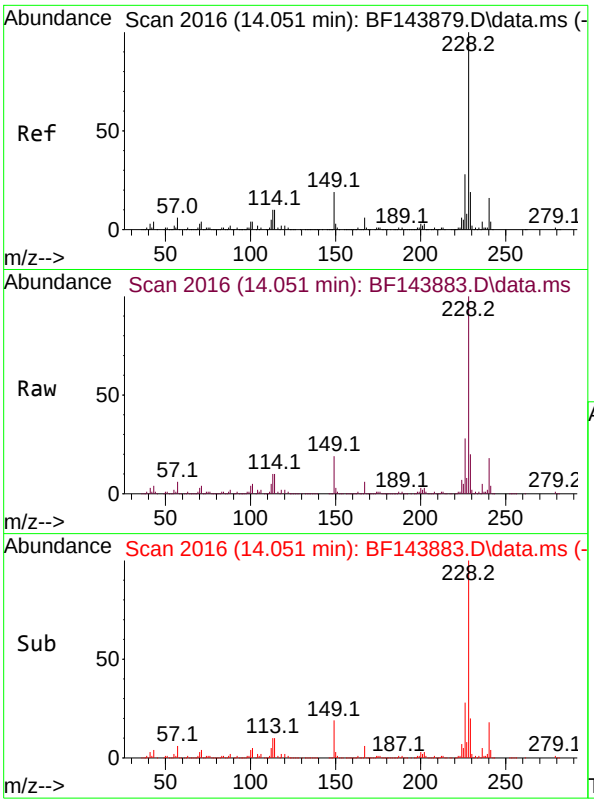


#80
Butylbenzylphthalate
Concen: 38.986 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 274237

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.2	87.2
206	22.3	17.9	26.9

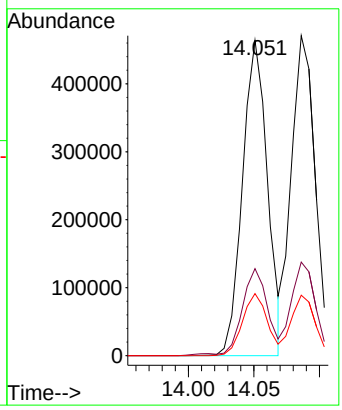




#81
Benzo(a)anthracene
Concen: 36.142 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:228 Resp: 61447

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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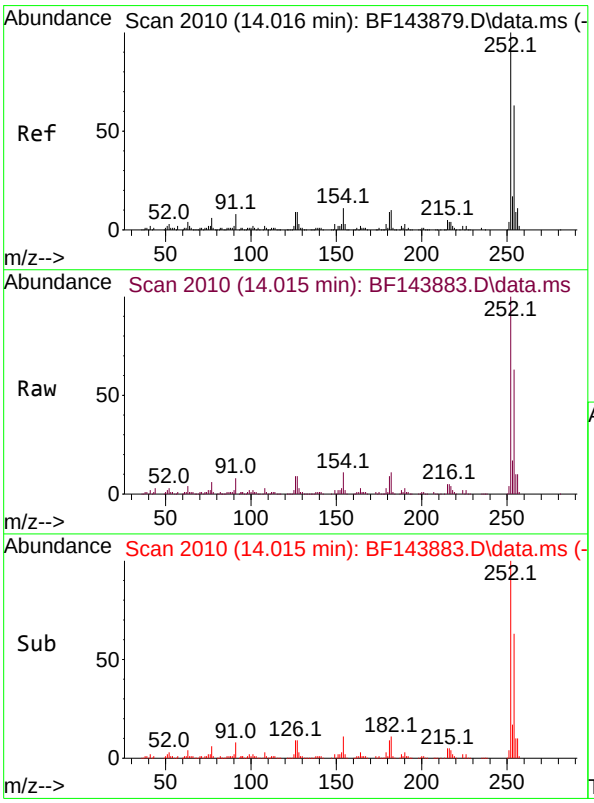
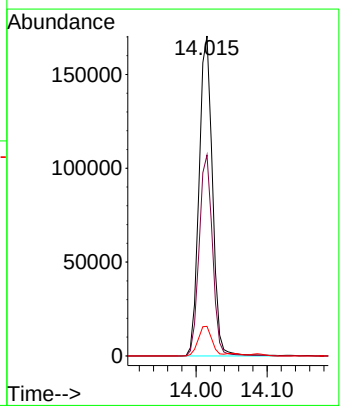
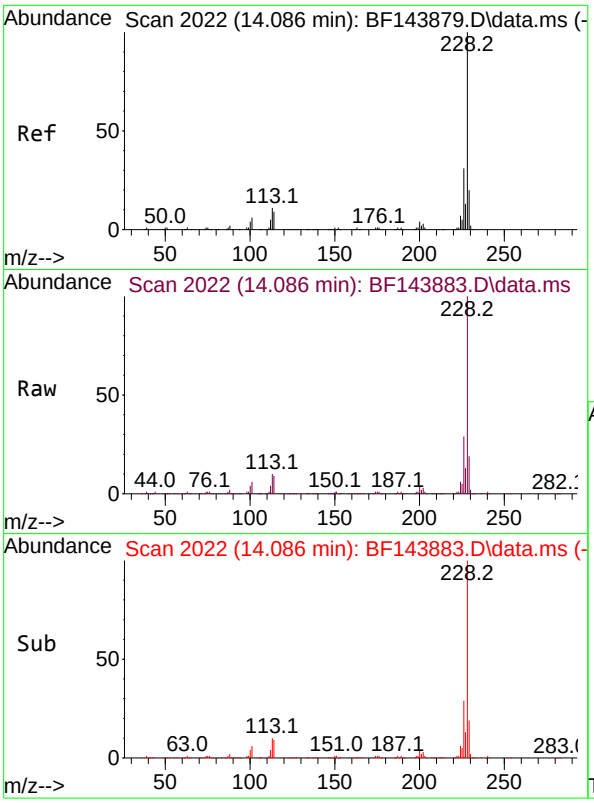


#82
3,3'-Dichlorobenzidine
Concen: 42.747 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:252 Resp: 221480

Ion	Ratio	Lower	Upper
252	100		
254	62.8	50.6	76.0
126	9.2	7.0	10.6

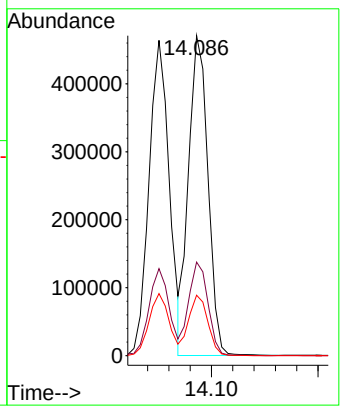




#83
Chrysene
Concen: 37.792 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:228 Resp: 59466

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.4	36.6
229	18.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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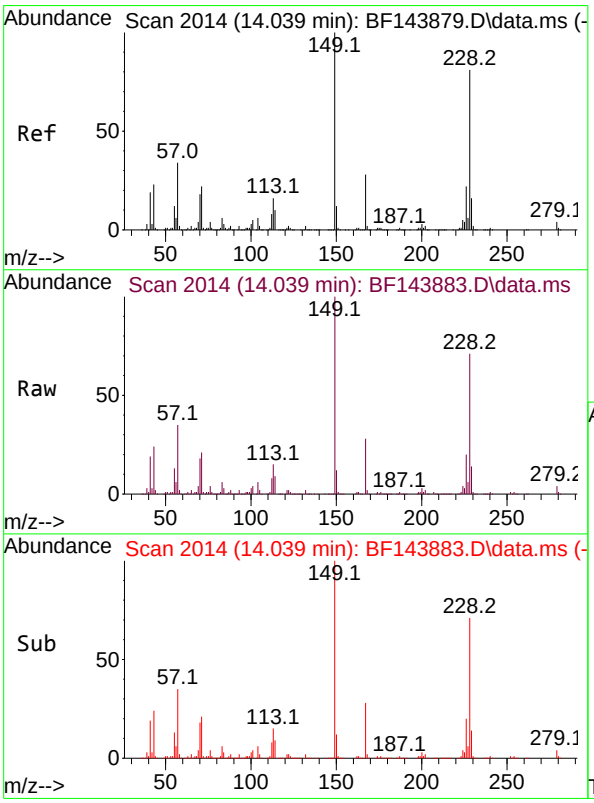
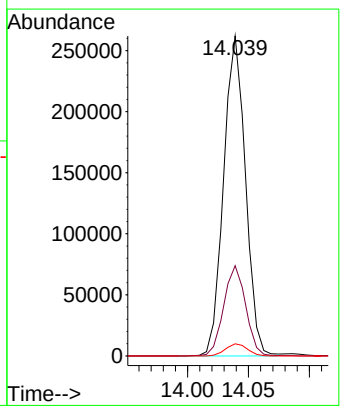
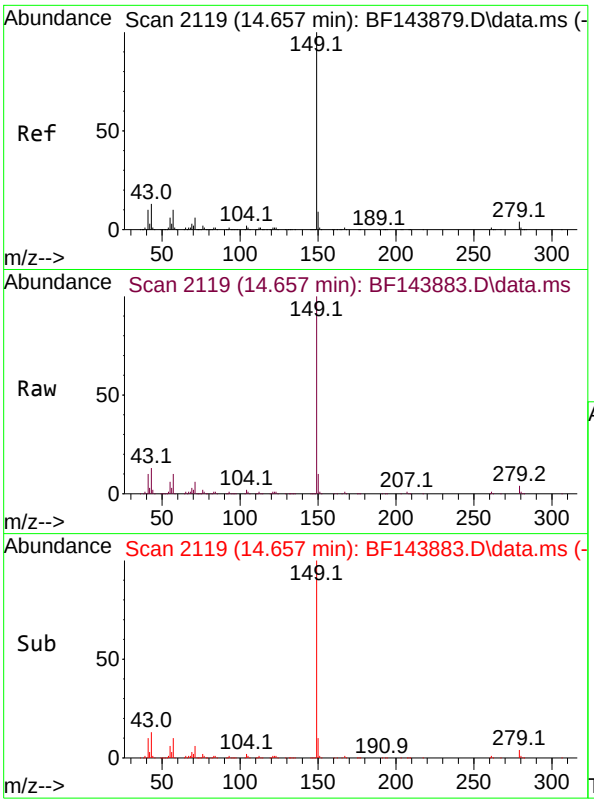


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.560 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 326966

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.4
279	3.8	3.1	4.7

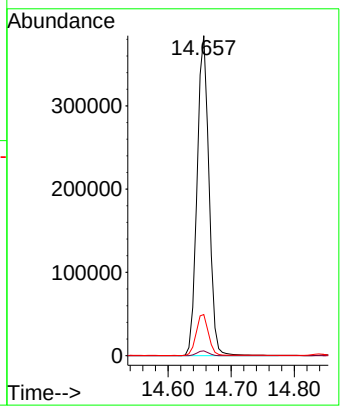




#85
Di-n-octyl phthalate
Concen: 36.116 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 502989

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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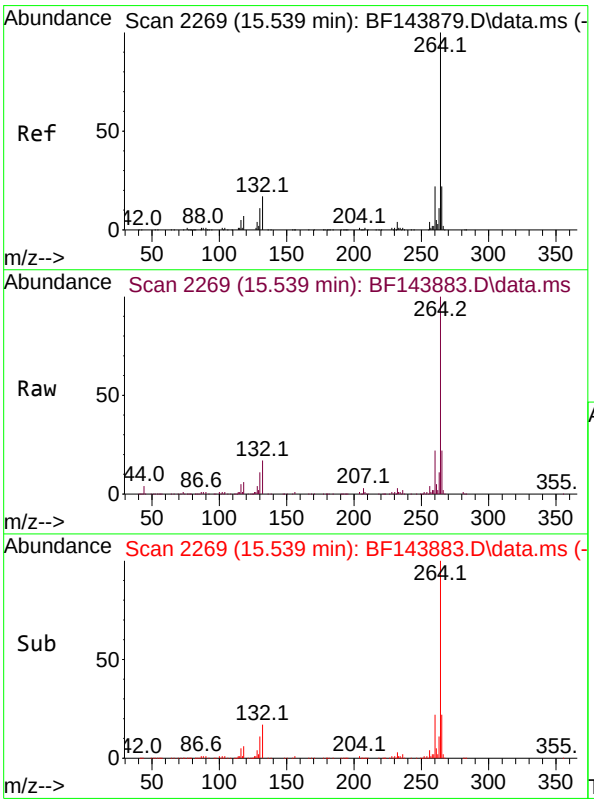
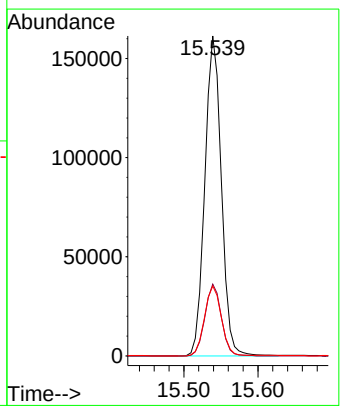
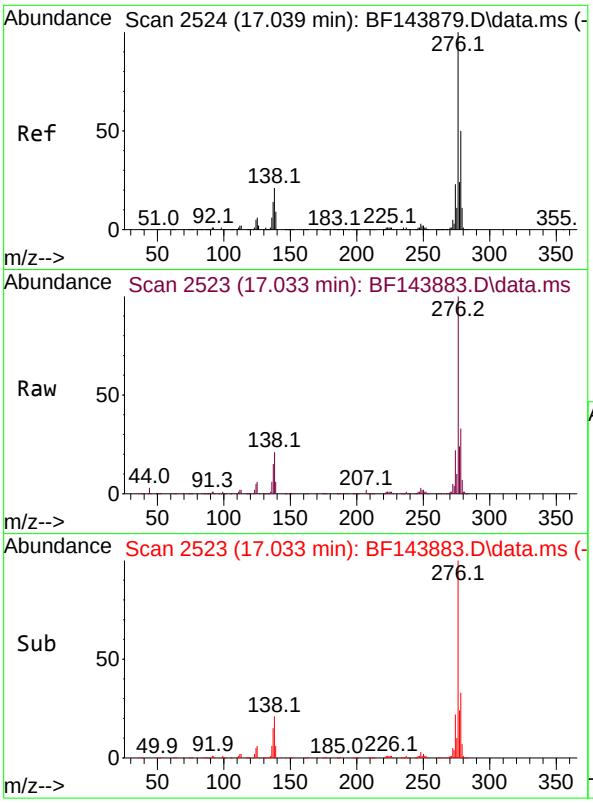


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:264 Resp: 249446

Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.8	26.8
265	21.8	17.5	26.3

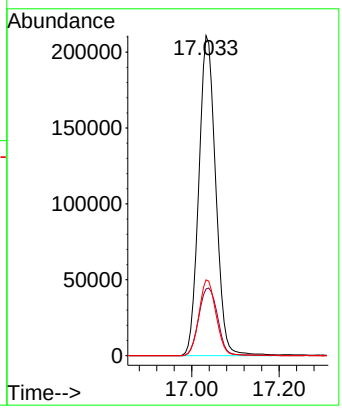




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.867 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:276 Resp: 56349

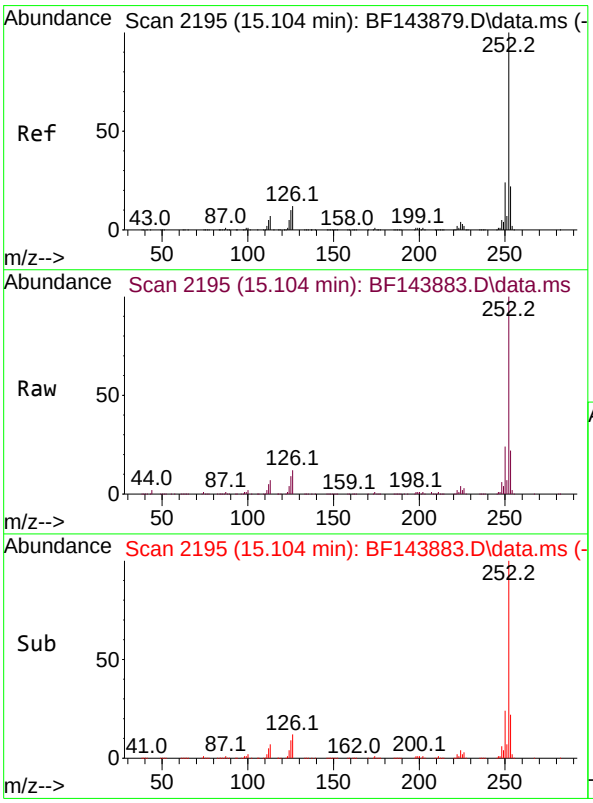
Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.2	27.2
277	23.8	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

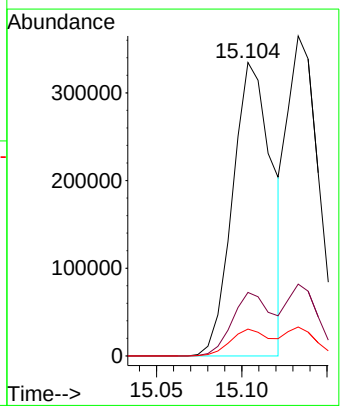
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

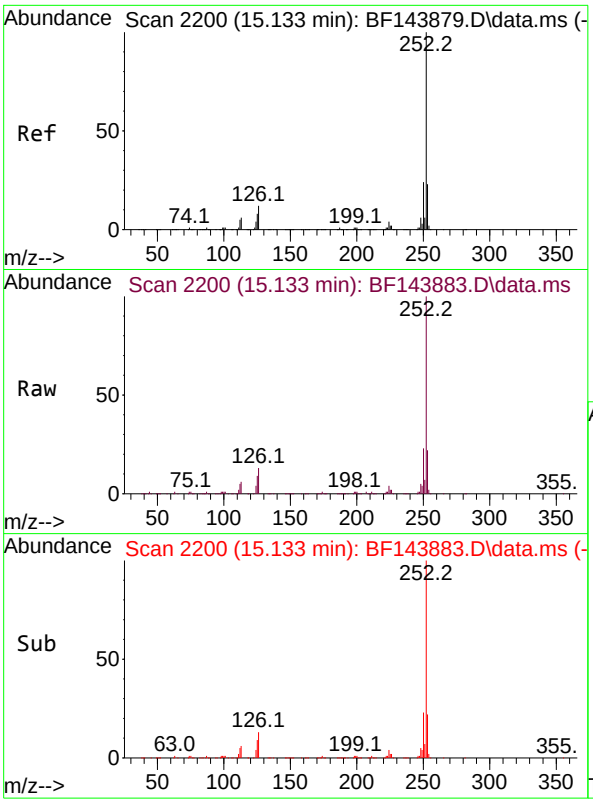


#88
Benzo(b)fluoranthene
Concen: 37.533 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:252 Resp: 537814

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.1	7.8	11.6





#89
Benzo(k)fluoranthene
Concen: 35.252 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

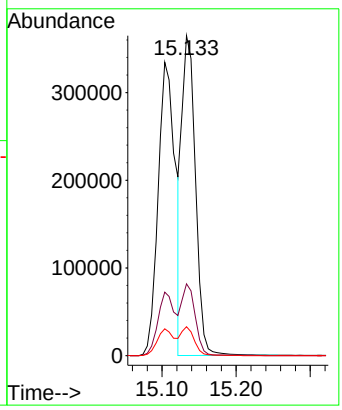
Tgt Ion:252 Resp: 46739

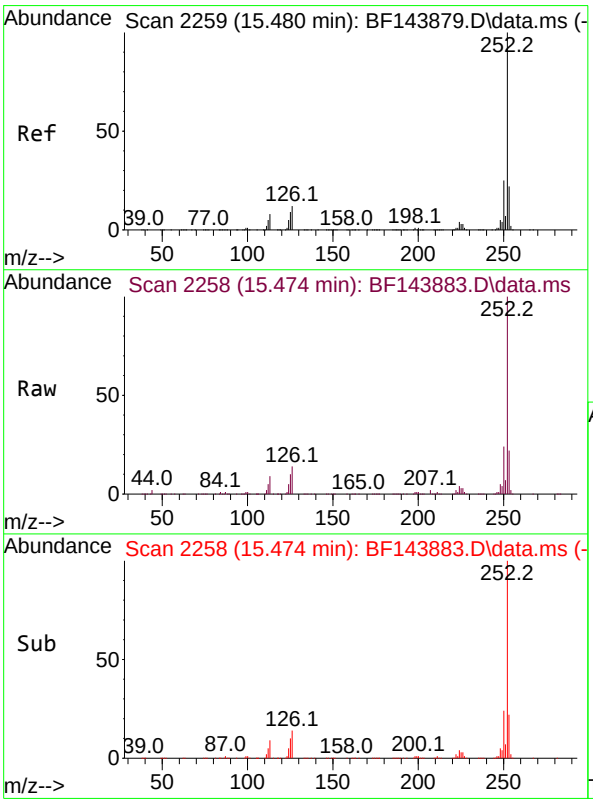
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.0	7.4	11.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

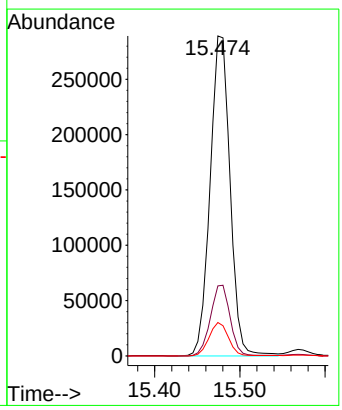


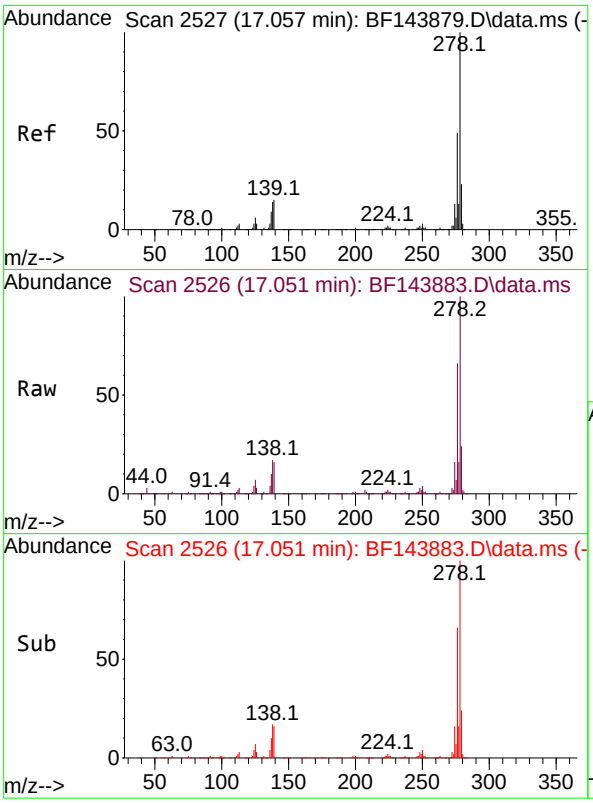


#90
Benzo(a)pyrene
Concen: 37.900 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:252 Resp: 470896

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.4	7.0	10.4

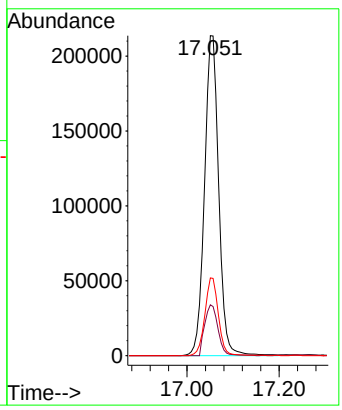




#91
Dibenzo(a,h)anthracene
Concen: 36.995 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:278 Resp: 45477

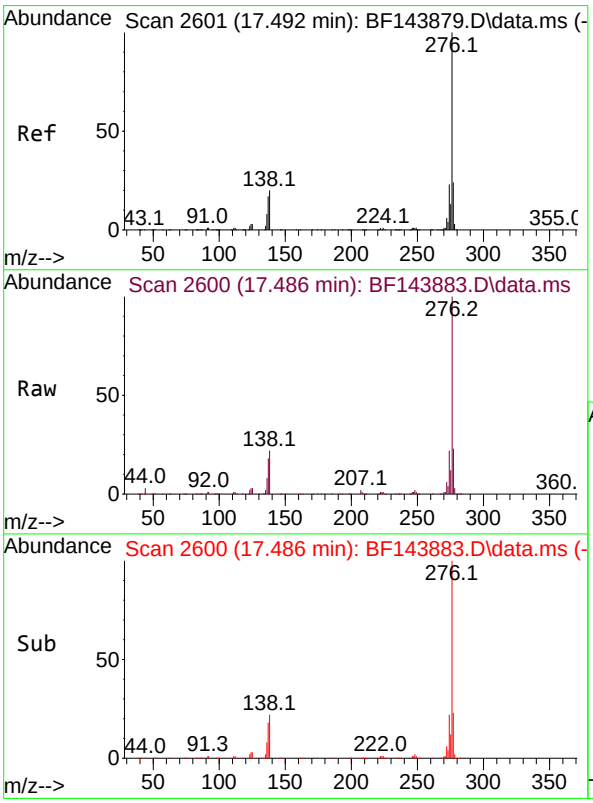
Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.7	17.5
279	24.3	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

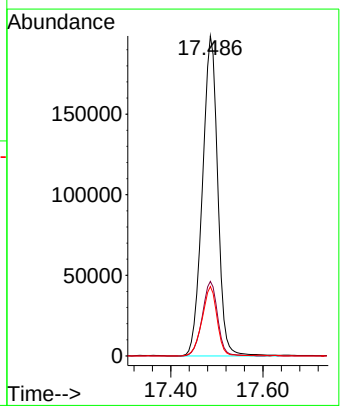
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 37.162 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:276 Resp: 456833

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	21.7	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	92	0.00
2		1,4-Dioxane	0.583	0.543	6.9	82	0.00
3		Pyridine	1.697	1.496	11.8	78	0.00
4		n-Nitrosodimethylamine	0.893	0.858	3.9	87	-0.03
5	S	2-Fluorophenol	1.259	1.179	6.4	83	0.00
6		Aniline	2.250	2.134	5.2	84	0.00
7	S	Phenol-d6	1.501	1.398	6.9	83	-0.02
8		2-Chlorophenol	1.231	1.173	4.7	83	0.00
9		Benzaldehyde	1.158	1.075	7.2	74	0.00
10	C	Phenol	1.795	1.683	6.2	84	-0.02
11		bis(2-Chloroethyl)ether	1.386	1.267	8.6	81	-0.01
12		1,3-Dichlorobenzene	1.474	1.394	5.4	84	0.00
13	C	1,4-Dichlorobenzene	1.454	1.395	4.1	86	0.00
14		1,2-Dichlorobenzene	1.392	1.380	0.9	88	0.00
15		Benzyl Alcohol	1.125	1.096	2.6	86	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	2.964	6.1	84	0.00
17		2-Methylphenol	1.017	0.976	4.0	85	0.00
18		Hexachloroethane	0.485	0.458	5.6	84	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.941	8.5	84	-0.02
20		3+4-Methylphenols	1.179	1.176	0.3	85	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.423	0.399	5.7	86	-0.01
23	S	Nitrobenzene-d5	0.329	0.306	7.0	83	-0.01
24		Nitrobenzene	0.366	0.345	5.7	82	-0.01
25		Isophorone	0.694	0.613	11.7	81	-0.02
26	C	2-Nitrophenol	0.157	0.152	3.2	82	0.00
27		2,4-Dimethylphenol	0.282	0.288	-2.1	91	-0.01
28		bis(2-Chloroethoxy)methane	0.438	0.402	8.2	85	-0.01
29	C	2,4-Dichlorophenol	0.294	0.271	7.8	83	-0.01
30		1,2,4-Trichlorobenzene	0.289	0.271	6.2	85	0.00
31		Naphthalene	0.910	0.834	8.4	84	0.00
32		Benzoic acid	0.195	0.172	11.8	80	-0.06
33		4-Chloroaniline	0.341	0.358	-5.0	94	0.00
34	C	Hexachlorobutadiene	0.201	0.177	11.9	80	0.00
35		Caprolactam	0.093	0.088	5.4	86	-0.05
36	C	4-Chloro-3-methylphenol	0.282	0.254	9.9	83	-0.01
37		2-Methylnaphthalene	0.606	0.504	16.8	76	0.00
38		1-Methylnaphthalene	0.588	0.518	11.9	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.513	7.2	83	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.281	-22.7	104	0.00
42	S	2,4,6-Tribromophenol	0.199	0.178	10.6	82	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.371	8.2	79	-0.01
44		2,4,5-Trichlorophenol	0.427	0.376	11.9	78	-0.01
45	S	2-Fluorobiphenyl	1.260	1.065	15.5	83	-0.01
46		1,1'-Biphenyl	1.324	1.217	8.1	84	0.00
47		2-Chloronaphthalene	1.104	1.006	8.9	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	0.349	0.339	2.9	83	0.00
49		Acenaphthylene	1.552	1.585	-2.1	93	0.00
50		Dimethylphthalate	1.270	1.142	10.1	84	0.00
51		2,6-Dinitrotoluene	0.236	0.247	-4.7	90	-0.01
52	C	Acenaphthene	1.017	0.913	10.2	83	0.00
53		3-Nitroaniline	0.288	0.292	-1.4	91	-0.01
54	P	2,4-Dinitrophenol	0.118	0.107	9.3	85	-0.01
55		Dibenzofuran	1.436	1.318	8.2	84	0.00
56	P	4-Nitrophenol	0.218	0.201	7.8	82	-0.02
57		2,4-Dinitrotoluene	0.320	0.330	-3.1	86	-0.01
58		Fluorene	1.083	0.962	11.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.291	3.6	85	-0.05
60		Diethylphthalate	1.180	1.077	8.7	84	0.00
61		4-Chlorophenyl-phenylether	0.573	0.517	9.8	83	0.00
62		4-Nitroaniline	0.277	0.257	7.2	84	-0.02
63		Azobenzene	1.233	1.136	7.9	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.093	7.9	82	-0.02
66	c	n-Nitrosodiphenylamine	0.628	0.575	8.4	85	-0.01
67		4-Bromophenyl-phenylether	0.221	0.188	14.9	79	0.00
68		Hexachlorobenzene	0.256	0.220	14.1	80	0.00
69		Atrazine	0.190	0.186	2.1	93	-0.01
70	C	Pentachlorophenol	0.147	0.122	17.0	75	0.00
71		Phenanthrene	0.970	0.862	11.1	86	0.00
72		Anthracene	0.980	0.888	9.4	84	0.00
73		Carbazole	0.868	0.786	9.4	86	0.00
74		Di-n-butylphthalate	1.005	0.934	7.1	86	0.00
75	C	Fluoranthene	1.002	0.902	10.0	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.694	0.788	-13.5	106	0.00
78		Pyrene	1.667	1.519	8.9	83	0.00
79	S	Terphenyl-d14	1.170	1.089	6.9	87	0.00
80		Butylbenzylphthalate	0.542	0.528	2.6	87	0.00
81		Benzo(a)anthracene	1.309	1.183	9.6	86	0.00
82		3,3'-Dichlorobenzidine	0.399	0.426	-6.8	99	0.00
83		Chrysene	1.211	1.144	5.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.629	3.7	87	0.00
85	c	Di-n-octyl phthalate	1.072	0.968	9.7	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.129	7.8	81	-0.02
88		Benzo(b)fluoranthene	1.149	1.078	6.2	84	-0.01
89		Benzo(k)fluoranthene	1.063	0.937	11.9	84	-0.01
90	C	Benzo(a)pyrene	0.996	0.944	5.2	85	-0.01
91		Dibenzo(a,h)anthracene	0.986	0.912	7.5	80	-0.03
92		Benzo(g,h,i)perylene	0.986	0.916	7.1	81	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	92	0.00
2		1,4-Dioxane	40.000	37.256	6.9	82	0.00
3		Pyridine	40.000	35.261	11.8	78	0.00
4		n-Nitrosodimethylamine	40.000	38.456	3.9	87	-0.03
5	S	2-Fluorophenol	80.000	74.908	6.4	83	0.00
6		Aniline	40.000	37.937	5.2	84	0.00
7	S	Phenol-d6	80.000	74.487	6.9	83	-0.02
8		2-Chlorophenol	40.000	38.116	4.7	83	0.00
9		Benzaldehyde	40.000	37.141	7.1	74	0.00
10	C	Phenol	40.000	37.501	6.2	84	-0.02
11		bis(2-Chloroethyl)ether	40.000	36.561	8.6	81	-0.01
12		1,3-Dichlorobenzene	40.000	37.828	5.4	84	0.00
13	C	1,4-Dichlorobenzene	40.000	38.392	4.0	86	0.00
14		1,2-Dichlorobenzene	40.000	39.655	0.9	88	0.00
15		Benzyl Alcohol	40.000	38.974	2.6	86	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.568	6.1	84	0.00
17		2-Methylphenol	40.000	38.352	4.1	85	0.00
18		Hexachloroethane	40.000	37.755	5.6	84	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.612	8.5	84	-0.02
20		3+4-Methylphenols	40.000	39.880	0.3	85	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	37.713	5.7	86	-0.01
23	S	Nitrobenzene-d5	80.000	74.330	7.1	83	-0.01
24		Nitrobenzene	40.000	37.727	5.7	82	-0.01
25		Isophorone	40.000	35.347	11.6	81	-0.02
26	C	2-Nitrophenol	40.000	38.717	3.2	82	0.00
27		2,4-Dimethylphenol	40.000	40.847	-2.1	91	-0.01
28		bis(2-Chloroethoxy)methane	40.000	36.639	8.4	85	-0.01
29	C	2,4-Dichlorophenol	40.000	36.899	7.8	83	-0.01
30		1,2,4-Trichlorobenzene	40.000	37.503	6.2	85	0.00
31		Naphthalene	40.000	36.679	8.3	84	0.00
32		Benzoic acid	40.000	35.162	12.1	80	-0.06
33		4-Chloroaniline	40.000	41.950	-4.9	94	0.00
34	C	Hexachlorobutadiene	40.000	35.201	12.0	80	0.00
35		Caprolactam	40.000	37.736	5.7	86	-0.05
36	C	4-Chloro-3-methylphenol	40.000	36.079	9.8	83	-0.01
37		2-Methylnaphthalene	40.000	33.257	16.9	76	0.00
38		1-Methylnaphthalene	40.000	35.269	11.8	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.122	7.2	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.984	-22.5	104	0.00
42	S	2,4,6-Tribromophenol	80.000	71.685	10.4	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.726	8.2	79	-0.01
44		2,4,5-Trichlorophenol	40.000	35.194	12.0	78	-0.01
45	S	2-Fluorobiphenyl	80.000	67.621	15.5	83	-0.01
46		1,1'-Biphenyl	40.000	36.770	8.1	84	0.00
47		2-Chloronaphthalene	40.000	36.454	8.9	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.894	2.8	83	0.00
49		Acenaphthylene	40.000	40.859	-2.1	93	0.00
50		Dimethylphthalate	40.000	35.968	10.1	84	0.00
51		2,6-Dinitrotoluene	40.000	41.967	-4.9	90	-0.01
52	C	Acenaphthene	40.000	35.913	10.2	83	0.00
53		3-Nitroaniline	40.000	40.493	-1.2	91	-0.01
54	P	2,4-Dinitrophenol	40.000	33.731	15.7	85	-0.01
55		Dibenzofuran	40.000	36.717	8.2	84	0.00
56	P	4-Nitrophenol	40.000	36.850	7.9	82	-0.02
57		2,4-Dinitrotoluene	40.000	41.169	-2.9	86	-0.01
58		Fluorene	40.000	35.527	11.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.488	3.8	85	-0.05
60		Diethylphthalate	40.000	36.501	8.7	84	0.00
61		4-Chlorophenyl-phenylether	40.000	36.113	9.7	83	0.00
62		4-Nitroaniline	40.000	37.074	7.3	84	-0.02
63		Azobenzene	40.000	36.837	7.9	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.083	7.3	82	-0.02
66	c	n-Nitrosodiphenylamine	40.000	36.649	8.4	85	-0.01
67		4-Bromophenyl-phenylether	40.000	33.973	15.1	79	0.00
68		Hexachlorobenzene	40.000	34.415	14.0	80	0.00
69		Atrazine	40.000	39.016	2.5	93	-0.01
70	C	Pentachlorophenol	40.000	33.097	17.3	75	0.00
71		Phenanthrene	40.000	35.542	11.1	86	0.00
72		Anthracene	40.000	36.273	9.3	84	0.00
73		Carbazole	40.000	36.246	9.4	86	0.00
74		Di-n-butylphthalate	40.000	37.171	7.1	86	0.00
75	C	Fluoranthene	40.000	36.019	10.0	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	45.411	-13.5	106	0.00
78		Pyrene	40.000	36.431	8.9	83	0.00
79	S	Terphenyl-d14	80.000	74.443	6.9	87	0.00
80		Butylbenzylphthalate	40.000	38.986	2.5	87	0.00
81		Benzo(a)anthracene	40.000	36.142	9.6	86	0.00
82		3,3'-Dichlorobenzidine	40.000	42.747	-6.9	99	0.00
83		Chrysene	40.000	37.792	5.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.560	3.6	87	0.00
85	c	Di-n-octyl phthalate	40.000	36.116	9.7	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.867	7.8	81	-0.02
88		Benzo(b)fluoranthene	40.000	37.533	6.2	84	-0.01
89		Benzo(k)fluoranthene	40.000	35.252	11.9	84	-0.01
90	C	Benzo(a)pyrene	40.000	37.900	5.3	85	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.995	7.5	80	-0.03
92		Benzo(g,h,i)perylene	40.000	37.162	7.1	81	-0.03

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG No.: Q3321

Instrument ID: BNA_F Calibration Date/Time: 10/10/2025 12:32

Lab File ID: BF143920.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.354		7.5	
Benzaldehyde	1.158	1.316		13.6	
Phenol-d6	1.501	1.564		4.2	
Phenol	1.795	1.996		11.2	20.0
bis(2-Chloroethyl)ether	1.386	1.462		5.5	
2-Chlorophenol	1.231	1.308		6.3	
2-Methylphenol	1.017	1.069		5.1	
2,2-oxybis(1-Chloropropane)	3.156	3.381		7.1	
Acetophenone	0.423	0.424		0.2	
3+4-Methylphenols	1.179	1.252		6.2	
n-Nitroso-di-n-propylamine	1.028	1.054	0.050	2.5	
Nitrobenzene-d5	0.329	0.354		7.6	
Hexachloroethane	0.485	0.507		4.5	
Nitrobenzene	0.366	0.393		7.4	
Isophorone	0.694	0.688		-0.9	
2-Nitrophenol	0.157	0.186		18.5	20.0
2,4-Dimethylphenol	0.282	0.286		1.4	
bis(2-Chloroethoxy)methane	0.438	0.435		-0.7	
2,4-Dichlorophenol	0.294	0.299		1.7	20.0
Naphthalene	0.910	0.910		0.0	
4-Chloroaniline	0.341	0.347		1.8	
Hexachlorobutadiene	0.201	0.198		-1.5	20.0
Caprolactam	0.093	0.097		4.3	
4-Chloro-3-methylphenol	0.282	0.286		1.4	20.0
2-Methylnaphthalene	0.606	0.601		-0.8	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.419		3.7	20.0
2-Fluorobiphenyl	1.260	1.193		-5.3	
2,4,5-Trichlorophenol	0.427	0.448		4.9	
1,1-Biphenyl	1.324	1.326		0.2	
2-Chloronaphthalene	1.104	1.120		1.4	
2-Nitroaniline	0.349	0.392		12.3	
Dimethylphthalate	1.270	1.302		2.5	
Acenaphthylene	1.552	1.573		1.4	
2,6-Dinitrotoluene	0.236	0.274		16.1	
3-Nitroaniline	0.288	0.314		9.0	
Acenaphthene	1.017	1.037		2.0	20.0
2,4-Dinitrophenol	0.118	0.135	0.050	14.4	
4-Nitrophenol	0.218	0.233	0.050	6.9	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG No.: Q3321

Instrument ID: BNA_F Calibration Date/Time: 10/10/2025 12:32

Lab File ID: BF143920.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.442		0.4	
2,4-Dinitrotoluene	0.320	0.376		17.2	
Diethylphthalate	1.180	1.196		1.4	
4-Chlorophenyl-phenylether	0.573	0.581		1.4	
Fluorene	1.083	1.076		-0.6	
4-Nitroaniline	0.277	0.300		8.3	
4,6-Dinitro-2-methylphenol	0.101	0.113		11.9	
n-Nitrosodiphenylamine	0.628	0.633		0.8	20.0
2,4,6-Tribromophenol	0.199	0.207		4.0	
4-Bromophenyl-phenylether	0.221	0.221		0.0	
Hexachlorobenzene	0.256	0.254		-0.8	
Atrazine	0.190	0.187		-1.6	
Pentachlorophenol	0.147	0.149		1.4	20.0
Phenanthrene	0.970	0.969		-0.1	
Anthracene	0.980	0.973		-0.7	
Carbazole	0.868	0.862		-0.7	
Di-n-butylphthalate	1.005	1.055		5.0	
Fluoranthene	1.002	0.980		-2.2	20.0
Pyrene	1.667	1.818		9.1	
Terphenyl-d14	1.170	1.312		12.1	
Butylbenzylphthalate	0.542	0.630		16.2	
3,3-Dichlorobenzidine	0.399	0.413		3.5	
Benzo(a)anthracene	1.309	1.386		5.9	
Chrysene	1.211	1.284		6.0	
Bis(2-ethylhexyl)phthalate	0.653	0.759		16.2	
Di-n-octyl phthalate	1.072	1.255		17.1	20.0
Benzo(b)fluoranthene	1.149	1.152		0.3	
Benzo(k)fluoranthene	1.063	1.059		-0.4	
Benzo(a)pyrene	0.996	1.029		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.406		14.8	
Dibenzo(a,h)anthracene	0.986	1.138		15.4	
Benzo(g,h,i)perylene	0.986	1.131		14.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.568		2.7	
1,4-Dioxane	0.583	0.639		9.6	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.315		4.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	114205	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	454258	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	244959	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	425799	20.000	ng	0.00
76) Chrysene-d12	14.063	240	235995	20.000	ng	0.00
86) Perylene-d12	15.539	264	249897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	618308	85.974	ng	0.00
7) Phenol-d6	6.504	99	714662	83.369	ng	-0.01
23) Nitrobenzene-d5	7.445	82	643677	86.089	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	202596	83.037	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1168558	75.694	ng	0.00
79) Terphenyl-d14	13.004	244	1238608	89.700	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	146010	43.873	ng	97
3) Pyridine	3.399	79	425512	43.920	ng	98
4) n-Nitrosodimethylamine	3.340	42	207859	40.784	ng	94
6) Aniline	6.545	93	532743	41.473	ng	99
8) 2-Chlorophenol	6.663	128	298774	42.500	ng	98
9) Benzaldehyde	6.434	77	300513	45.445	ng	99
10) Phenol	6.522	94	455875	44.482	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	333968	42.185	ng	98
12) 1,3-Dichlorobenzene	6.822	146	346389	41.163	ng	98
13) 1,4-Dichlorobenzene	6.898	146	352045	42.411	ng	99
14) 1,2-Dichlorobenzene	7.051	146	333920	41.999	ng	100
15) Benzyl Alcohol	7.022	79	282356	43.961	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	772142	42.849	ng	99
17) 2-Methylphenol	7.128	107	244175	42.028	ng	99
18) Hexachloroethane	7.398	117	115819	41.838	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	240772	41.033	ng	99
20) 3+4-Methylphenols	7.281	107	285999	42.474	ng	97
22) Acetophenone	7.292	105	385221	40.106	ng	98
24) Nitrobenzene	7.463	77	357330	43.035	ng	99
25) Isophorone	7.704	82	625096	39.650	ng	98
26) 2-Nitrophenol	7.781	139	169120	47.508	ng	99
27) 2,4-Dimethylphenol	7.816	122	260198	40.633	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	394819	39.645	ng	99
29) 2,4-Dichlorophenol	8.022	162	271493	40.702	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	263208	40.123	ng	98
31) Naphthalene	8.186	128	826450	39.995	ng	99
32) Benzoic acid	7.916	122	193551	43.673	ng	95
33) 4-Chloroaniline	8.233	127	315022	40.648	ng	99
34) Hexachlorobutadiene	8.304	225	179921	39.469	ng	97
35) Caprolactam	8.604	113	87766	41.382	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	260239	40.616	ng	100
37) 2-Methylnaphthalene	8.881	142	546354	39.693	ng	100
38) 1-Methylnaphthalene	8.980	142	528428	39.579	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278501	41.135	ng	98
41) Hexachlorocyclopentadiene	9.033	237	109563	39.008	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	205387	41.519	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

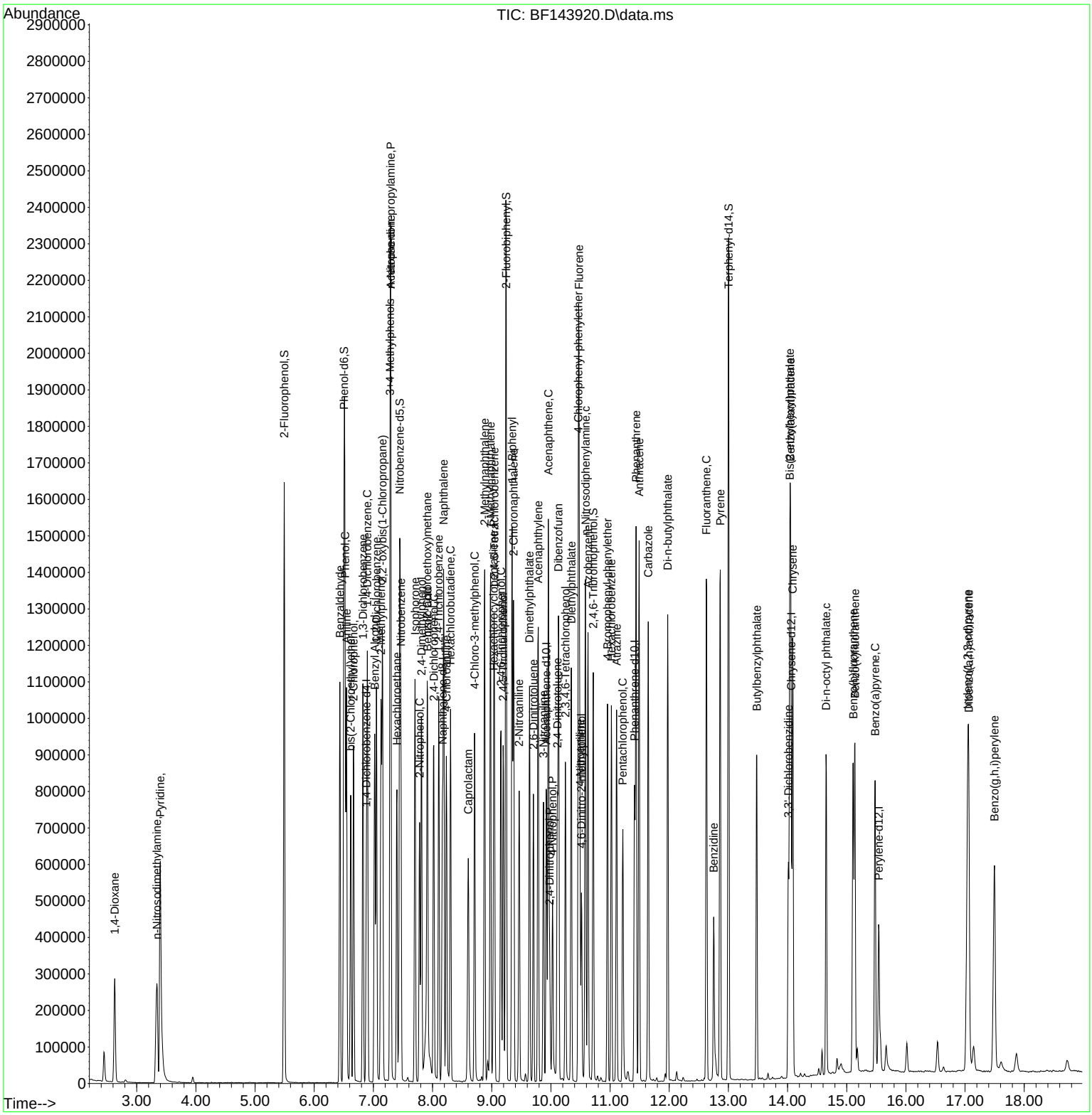
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	219570	42.002	ng		98
46) 1,1'-Biphenyl	9.345	154	649425	40.042	ng		99
47) 2-Chloronaphthalene	9.369	162	548743	40.581	ng		98
48) 2-Nitroaniline	9.463	65	192026	44.917	ng		97
49) Acenaphthylene	9.786	152	770792	40.546	ng		100
50) Dimethylphthalate	9.639	163	637750	40.997	ng		100
51) 2,6-Dinitrotoluene	9.704	165	134048	46.471	ng		98
52) Acenaphthene	9.957	154	508069	40.787	ng		99
53) 3-Nitroaniline	9.875	138	153638	43.499	ng		99
54) 2,4-Dinitrophenol	9.980	184	66354	40.998	ng		98
55) Dibenzofuran	10.127	168	706301	40.167	ng		100
56) 4-Nitrophenol	10.028	139	114093	42.663	ng		96
57) 2,4-Dinitrotoluene	10.110	165	183964	46.872	ng		99
58) Fluorene	10.475	166	527033	39.721	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	154350	41.710	ng	#	99
60) Diethylphthalate	10.345	149	586148	40.559	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	284601	40.571	ng		99
62) 4-Nitroaniline	10.492	138	146806	43.223	ng		94
63) Azobenzene	10.627	77	626735	41.495	ng		99
65) 4,6-Dinitro-2-methylph...	10.516	198	96448	45.075	ng		94
66) n-Nitrosodiphenylamine	10.586	169	539152	40.326	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	187909	39.932	ng		99
68) Hexachlorobenzene	11.022	284	216003	39.649	ng		100
69) Atrazine	11.110	200	158847	39.200	ng		97
70) Pentachlorophenol	11.216	266	126577	40.455	ng		97
71) Phenanthrene	11.439	178	825590	39.994	ng		99
72) Anthracene	11.492	178	828392	39.723	ng		98
73) Carbazole	11.645	167	733671	39.723	ng		99
74) Di-n-butylphthalate	11.974	149	898491	41.974	ng		99
75) Fluoranthene	12.627	202	834267	39.126	ng		99
77) Benzidine	12.751	184	300900	36.721	ng		98
78) Pyrene	12.863	202	857937	43.606	ng		100
80) Butylbenzylphthalate	13.480	149	297395	46.543	ng		97
81) Benzo(a)anthracene	14.051	228	654087	42.353	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	194778	41.385	ng		100
83) Chrysene	14.086	228	606175	42.409	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	358224	46.508	ng		99
85) Di-n-octyl phthalate	14.651	149	592380	46.826	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	702772	45.896	ng		98
88) Benzo(b)fluoranthene	15.110	252	575910	40.120	ng		99
89) Benzo(k)fluoranthene	15.139	252	529146	39.837	ng		99
90) Benzo(a)pyrene	15.480	252	514292	41.318	ng		99
91) Dibenzo(a,h)anthracene	17.062	278	568953	46.200	ng		100
92) Benzo(g,h,i)perylene	17.498	276	565507	45.920	ng		98

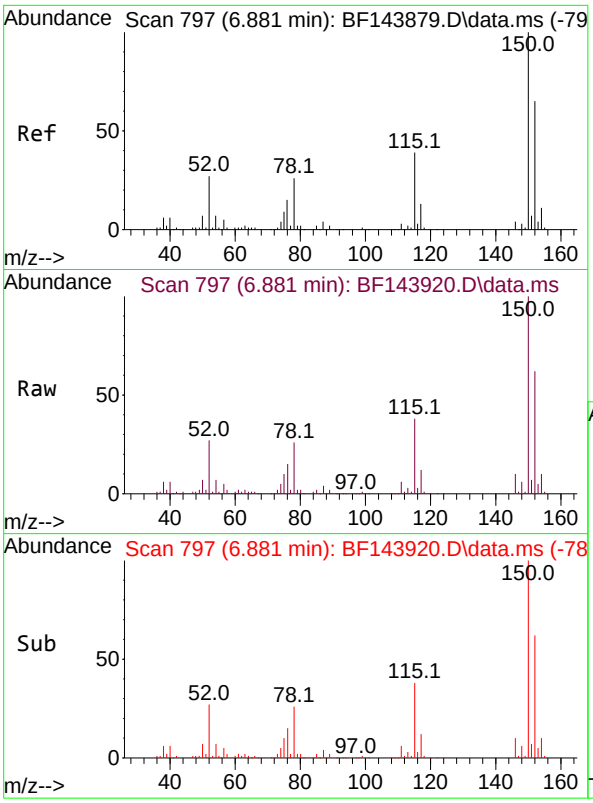
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



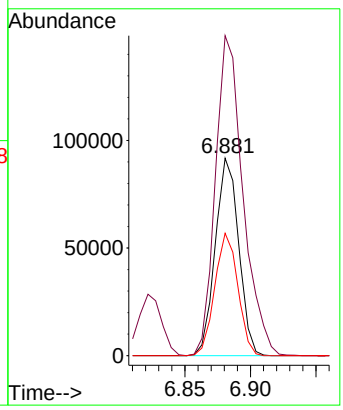


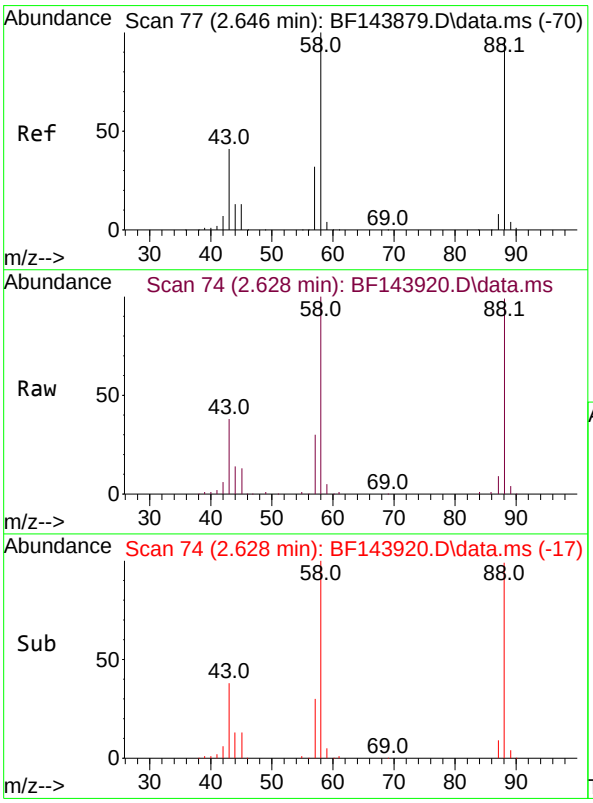
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 114205

Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.4	186.6
115	62.0	48.1	72.1

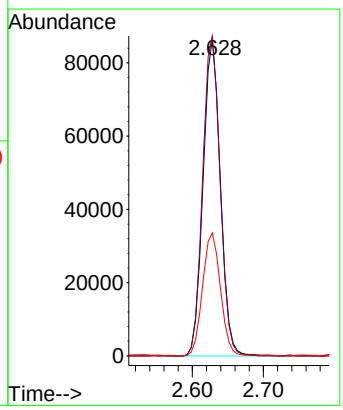


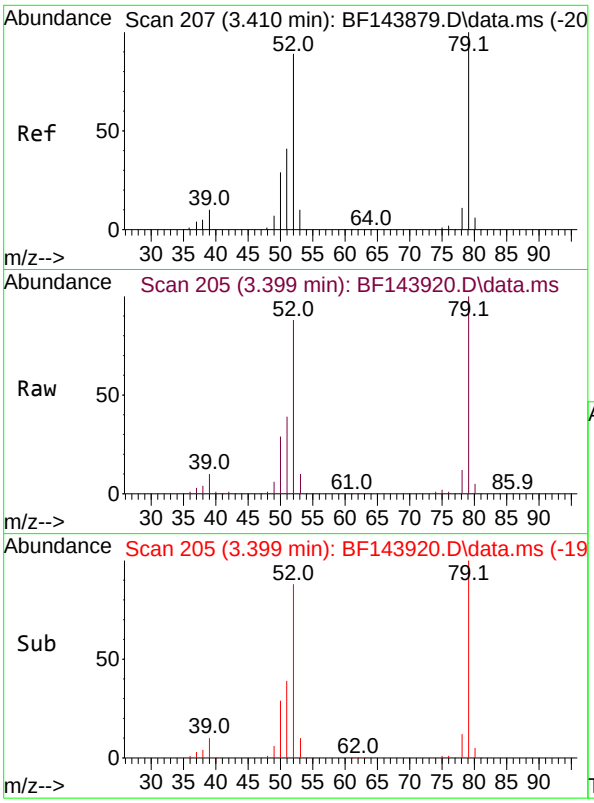


#2
1,4-Dioxane
Concen: 43.873 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 88 Resp: 146010

Ion	Ratio	Lower	Upper
88	100		
58	101.4	83.0	124.6
43	40.1	33.9	50.9



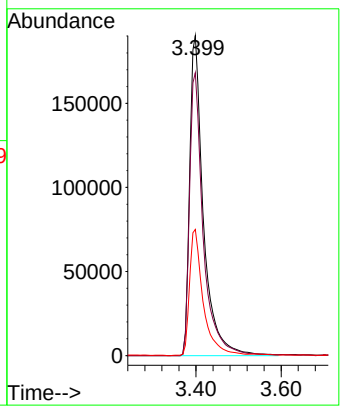


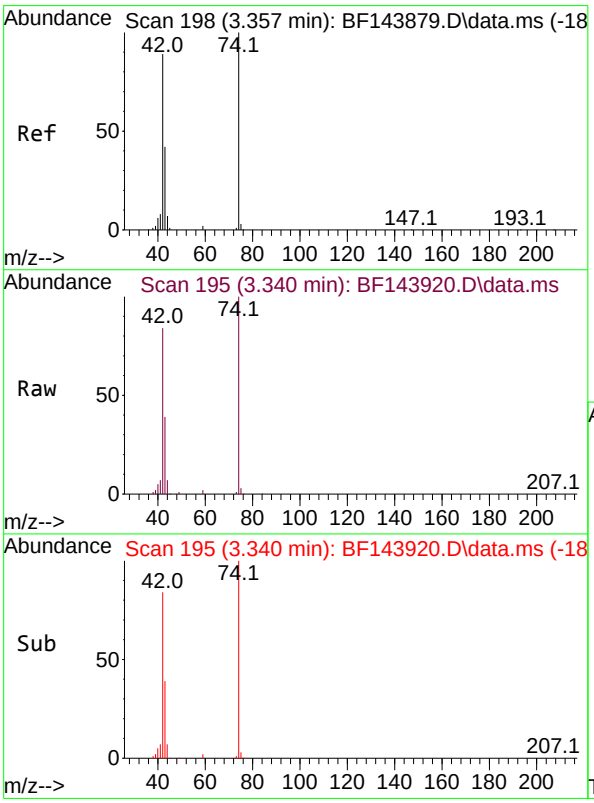
#3
Pyridine
Concen: 43.920 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 425512

Ion	Ratio	Lower	Upper
79	100		
52	88.4	71.5	107.3
51	39.4	32.9	49.3

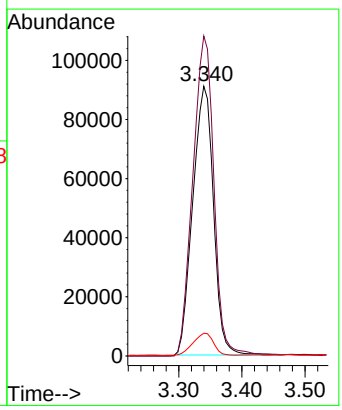


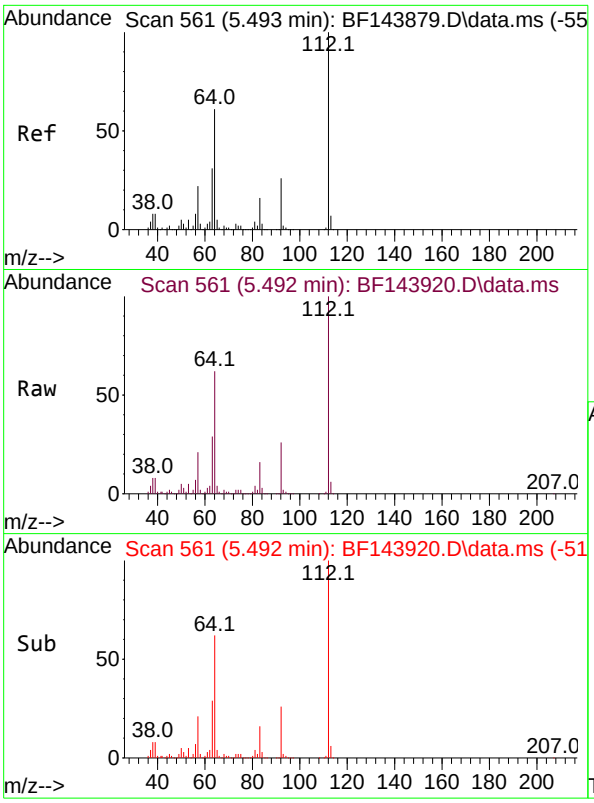


#4
n-Nitrosodimethylamine
Concen: 40.784 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.047 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 42 Resp: 207859

Ion	Ratio	Lower	Upper
42	100		
74	118.7	90.0	135.0
44	8.4	6.2	9.2



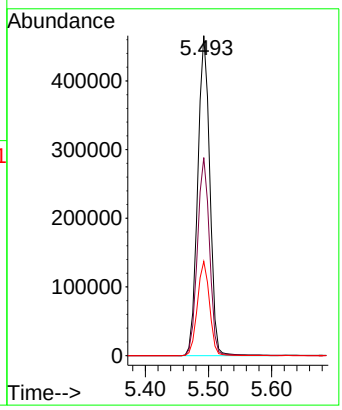


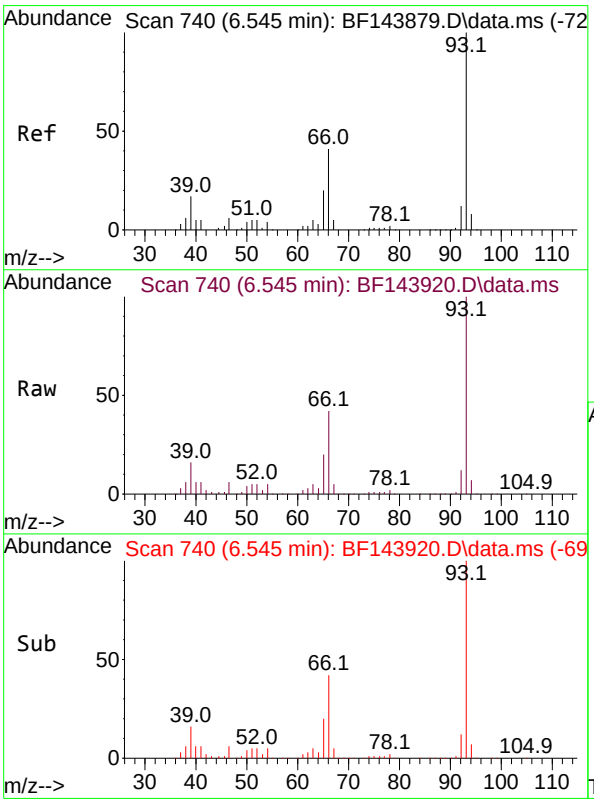
#5
2-Fluorophenol
Concen: 85.974 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 618308

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.1	73.7
63	29.4	24.5	36.7

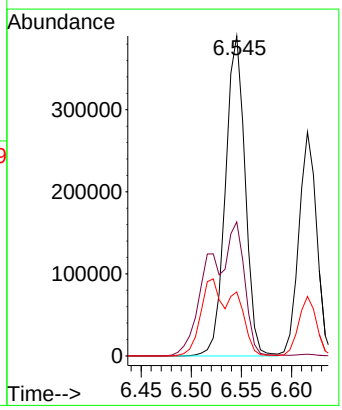


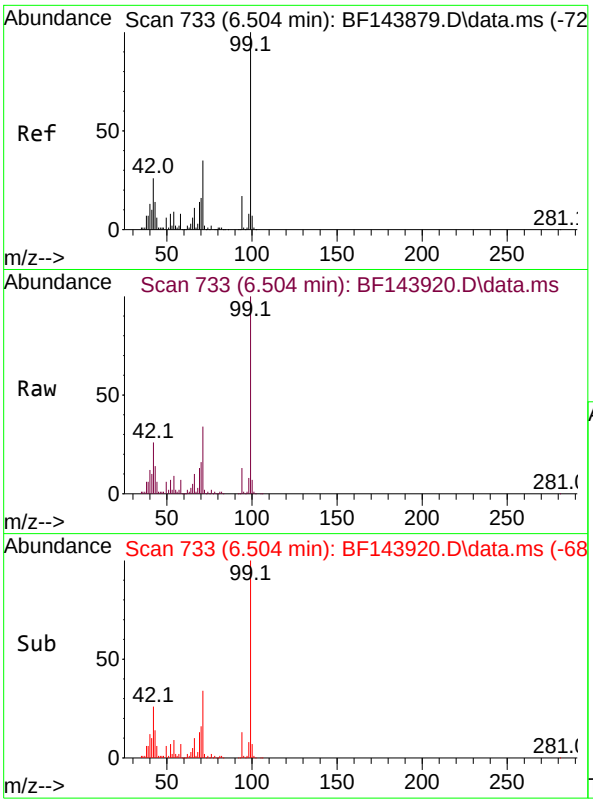


#6
Aniline
Concen: 41.473 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 93 Resp: 532743

Ion	Ratio	Lower	Upper
93	100		
66	41.9	33.0	49.6
65	20.0	15.8	23.8



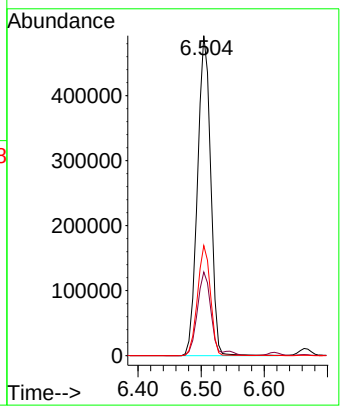


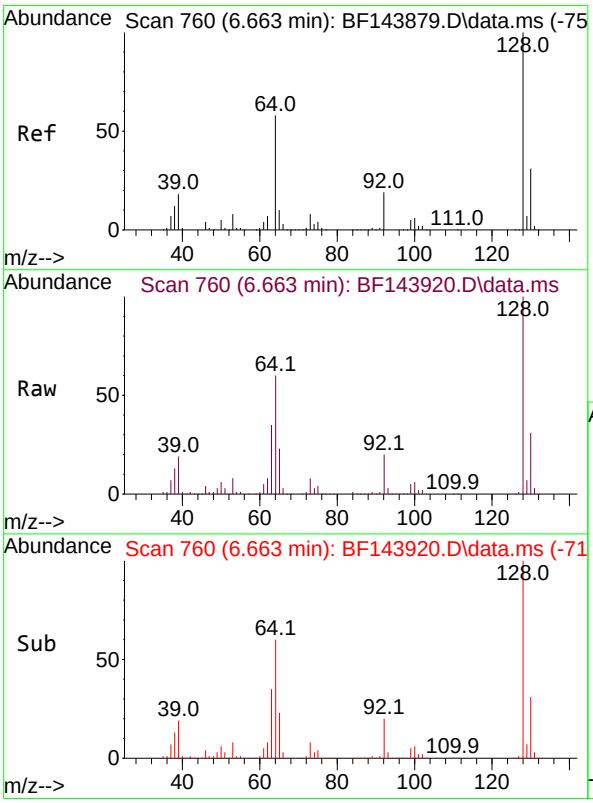
#7
Phenol-d6
Concen: 83.369 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 714662

Ion	Ratio	Lower	Upper
99	100		
42	26.1	21.0	31.4
71	34.4	27.8	41.8

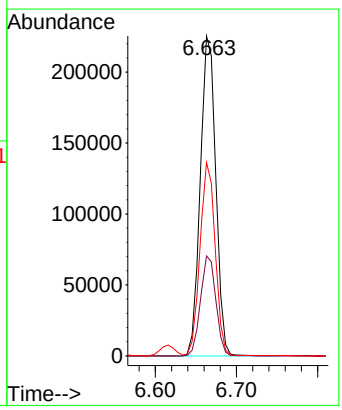


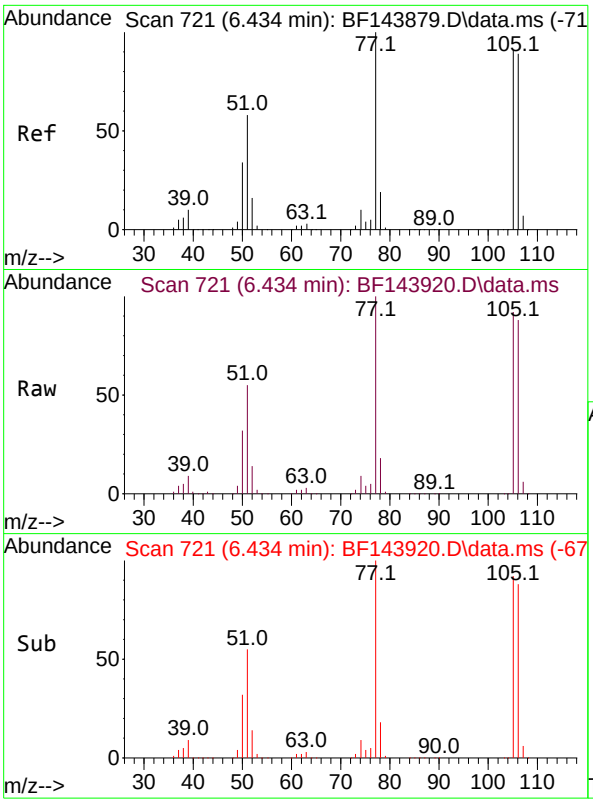


#8
2-Chlorophenol
Concen: 42.500 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:128 Resp: 298774

Ion	Ratio	Lower	Upper
128	100		
130	31.3	10.7	50.7
64	60.4	39.0	79.0



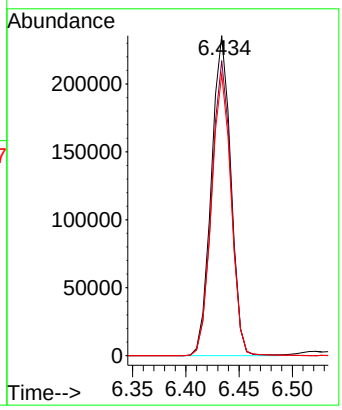


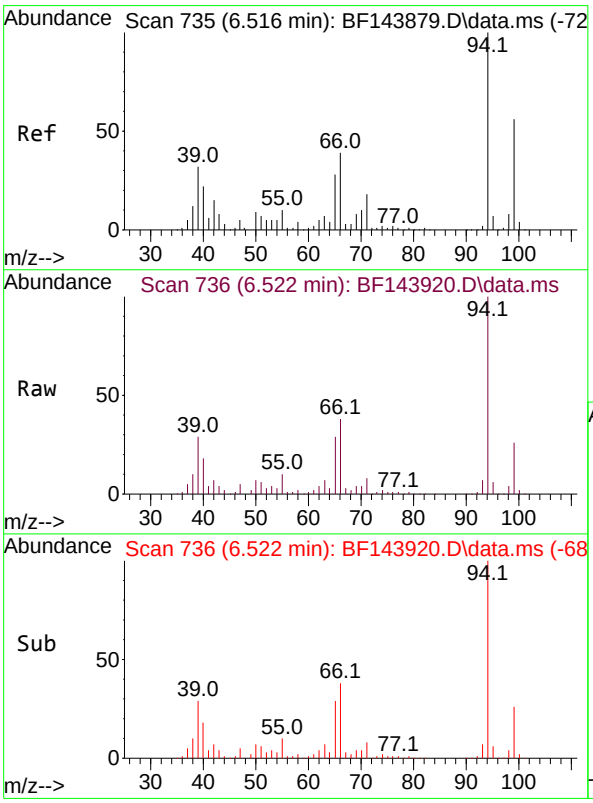
#9
Benzaldehyde
Concen: 45.445 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 300513

Ion	Ratio	Lower	Upper
77	100		
105	92.2	70.9	110.9
106	87.9	68.9	108.9

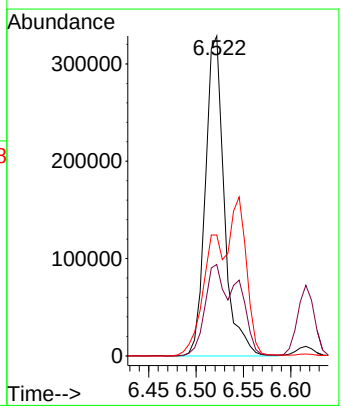


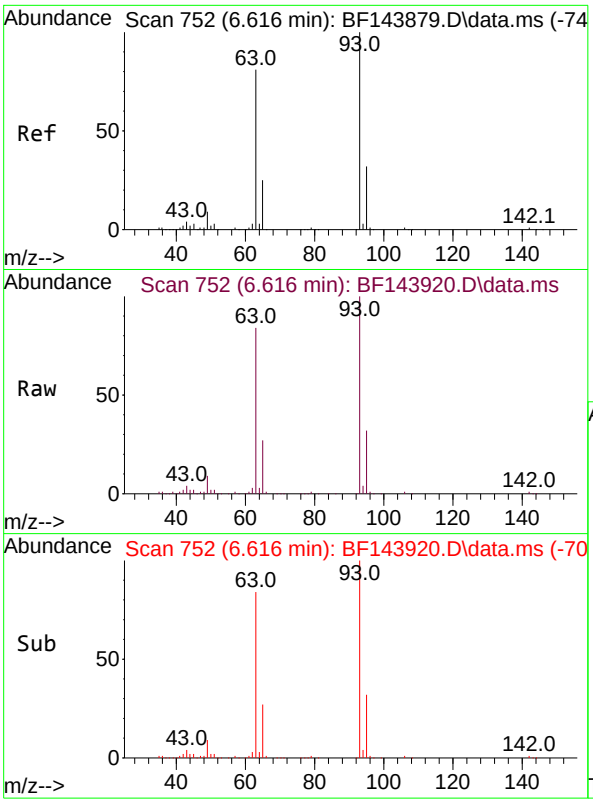


#10
Phenol
Concen: 44.482 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 94 Resp: 455875

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.5	48.5
66	37.8	19.9	59.9



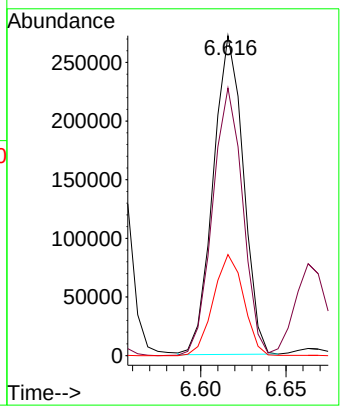


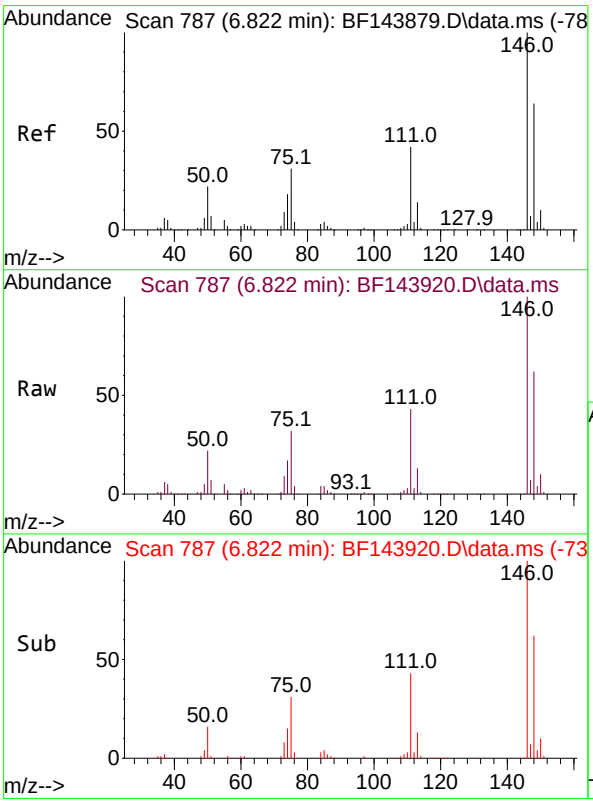
#11
bis(2-Chloroethyl)ether
Concen: 42.185 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 333968

Ion	Ratio	Lower	Upper
93	100		
63	83.6	60.9	100.9
95	31.6	11.5	51.5

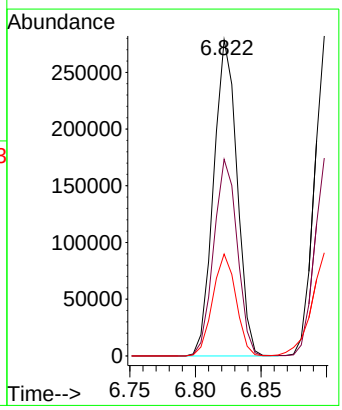


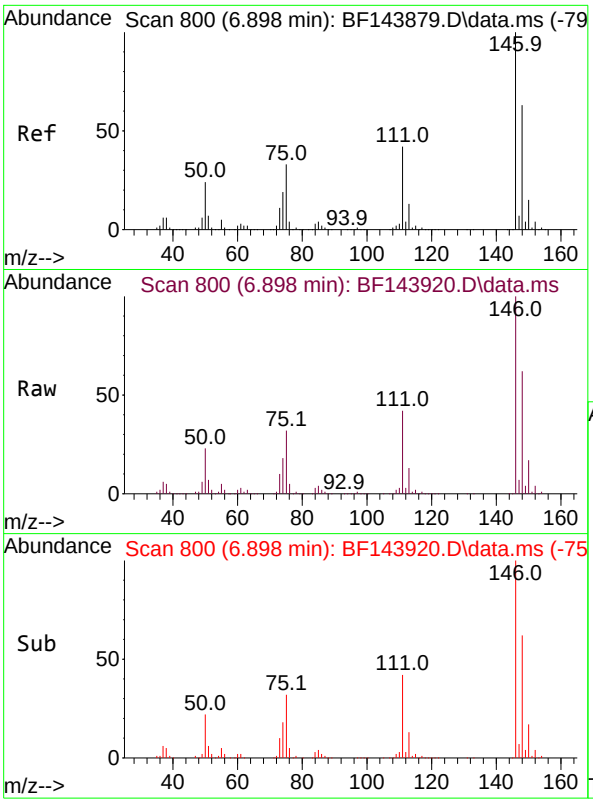


#12
1,3-Dichlorobenzene
Concen: 41.163 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:146 Resp: 346389

Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.0	76.4
75	32.2	24.9	37.3



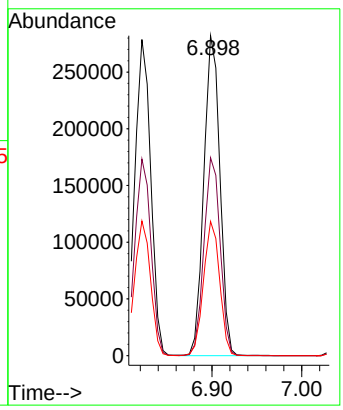


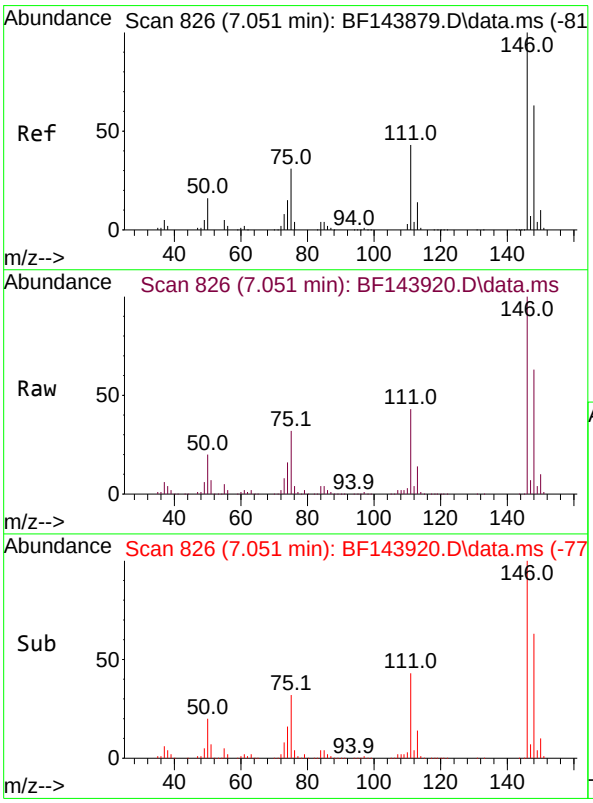
#13
1,4-Dichlorobenzene
Concen: 42.411 ng
RT: 6.898 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 352045

Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.5	75.7
111	41.9	33.4	50.0

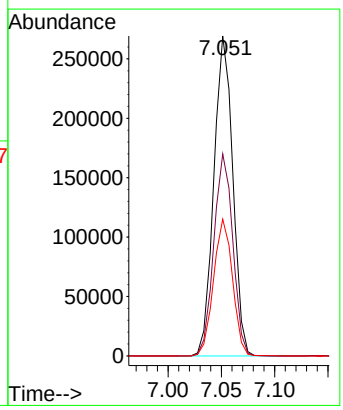


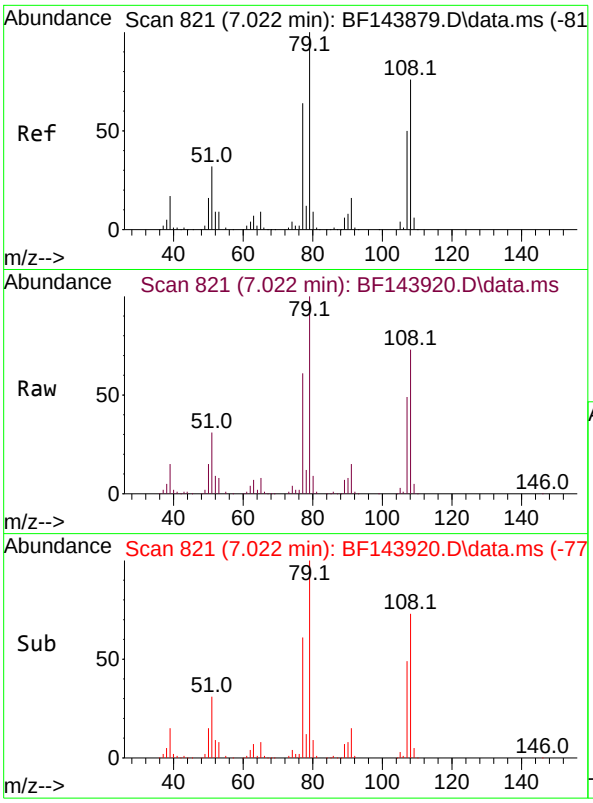


#14
1,2-Dichlorobenzene
Concen: 41.999 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:146 Resp: 333920

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
111	42.7	34.6	51.8



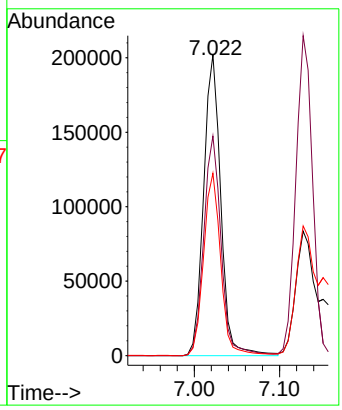


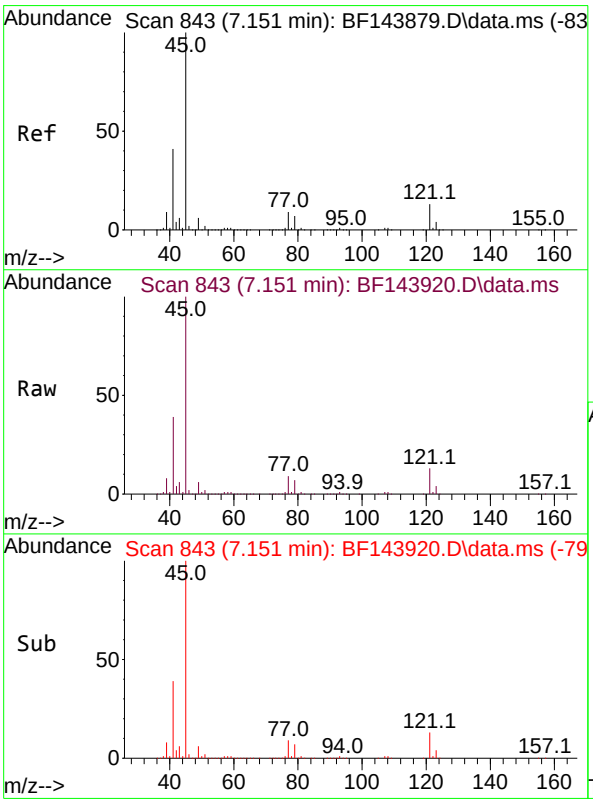
#15
Benzyl Alcohol
Concen: 43.961 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 282356

Ion	Ratio	Lower	Upper
79	100		
108	73.0	60.8	91.2
77	60.6	51.0	76.6

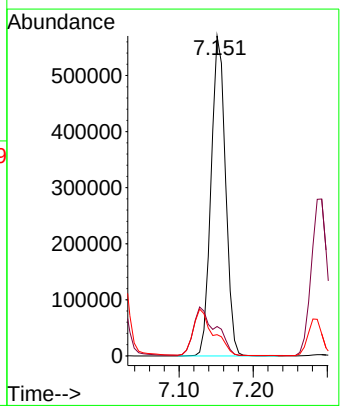


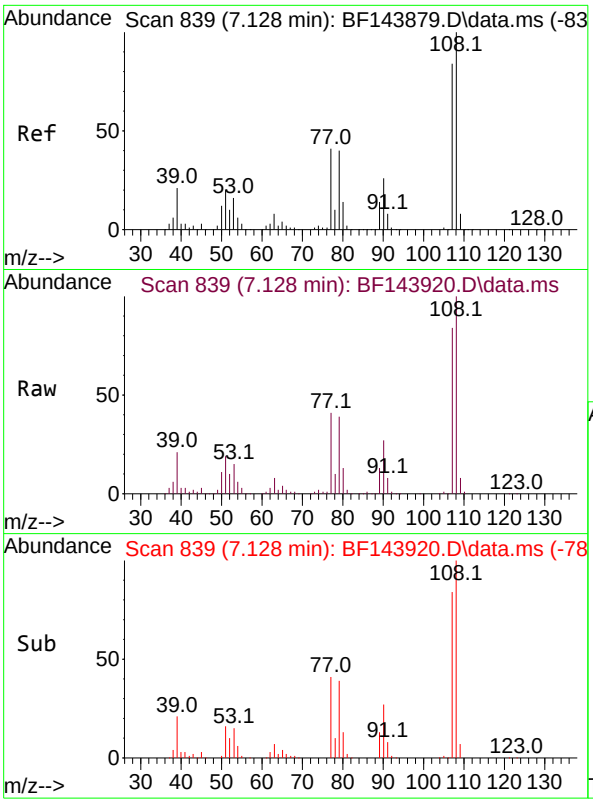


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.849 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 45 Resp: 772142

Ion	Ratio	Lower	Upper
45	100		
77	9.2	0.0	29.0
79	6.6	0.0	26.8



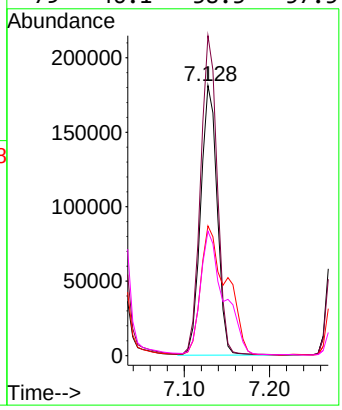


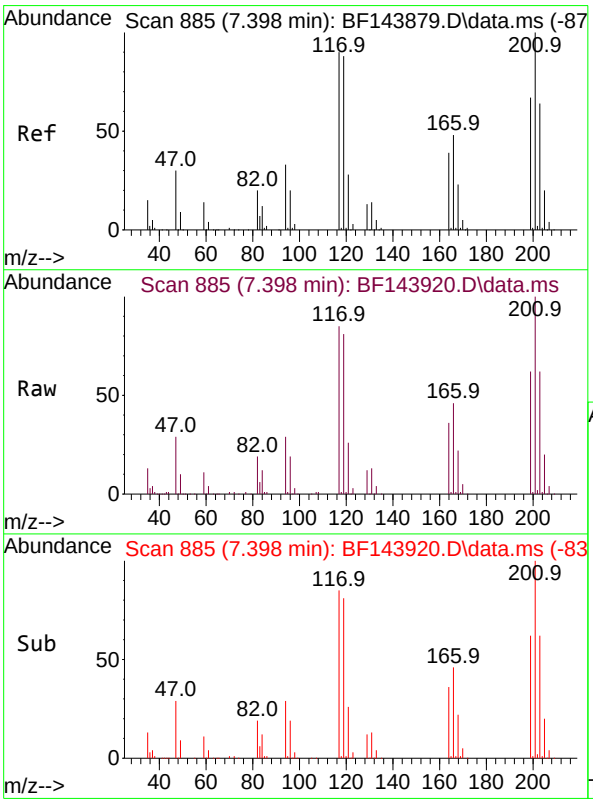
#17
2-Methylphenol
Concen: 42.028 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 244175

Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	48.0	38.8	58.2
79	46.1	38.3	57.5

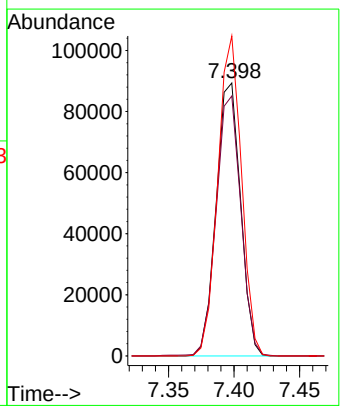


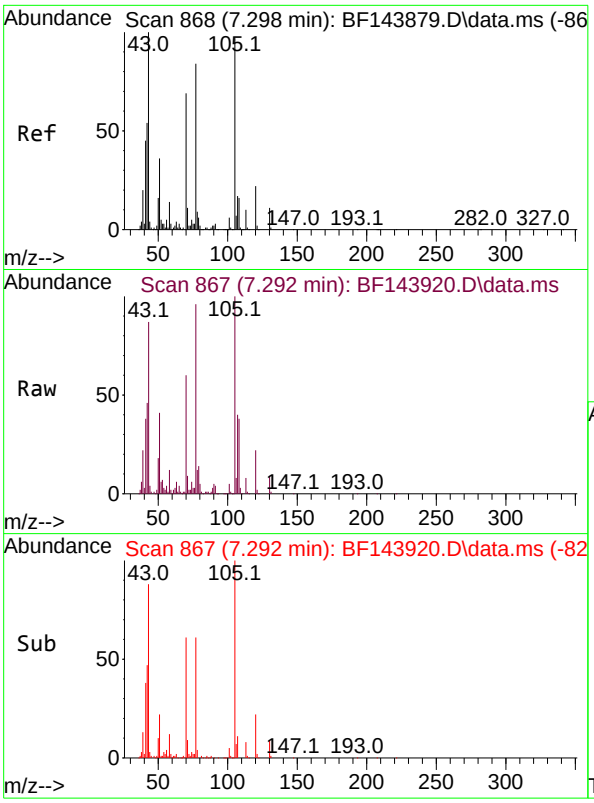


#18
Hexachloroethane
Concen: 41.838 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:117 Resp: 115819

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.8
201	117.3	88.5	132.7



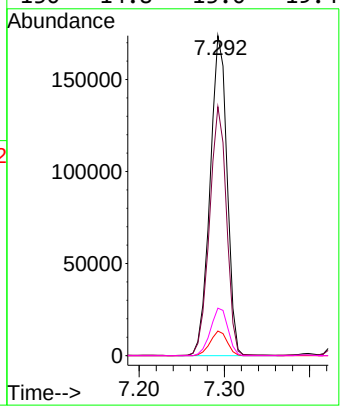


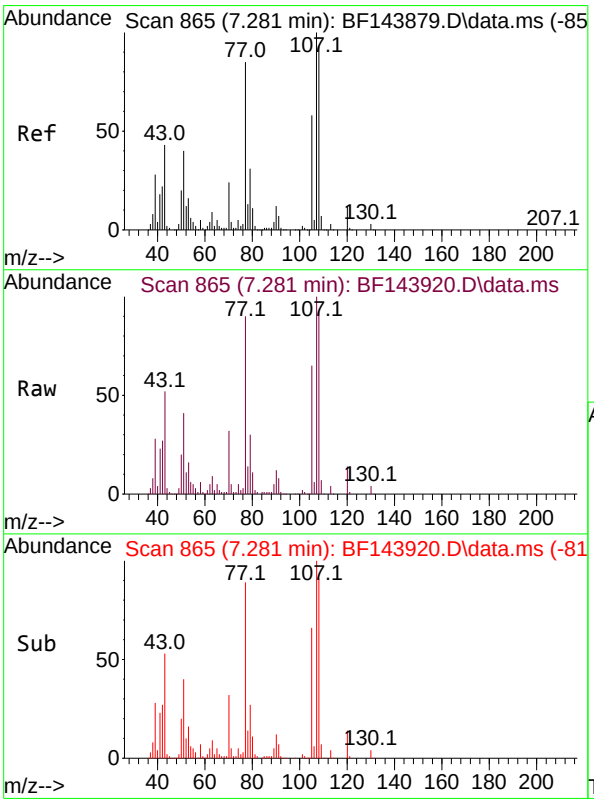
#19
n-Nitroso-di-n-propylamine
Concen: 41.033 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 240772

Ion	Ratio	Lower	Upper
70	100		
42	77.8	62.8	94.2
101	7.7	6.7	10.1
130	14.8	13.0	19.4

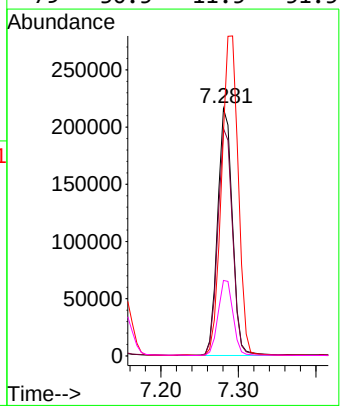


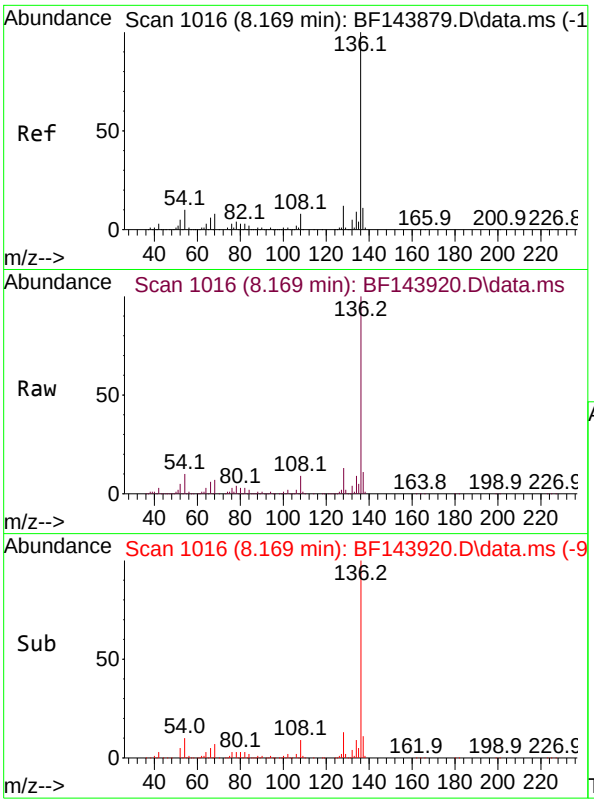


#20
3+4-Methylphenols
Concen: 42.474 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:107 Resp: 285999

Ion	Ratio	Lower	Upper
107	100		
108	91.8	73.0	113.0
77	90.2	64.6	104.6
79	30.5	11.5	51.5



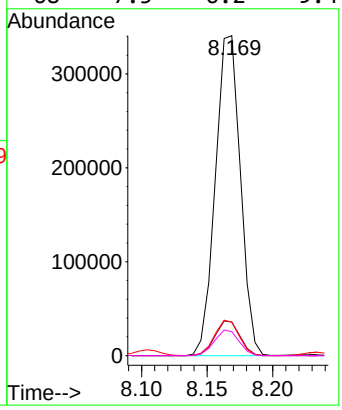


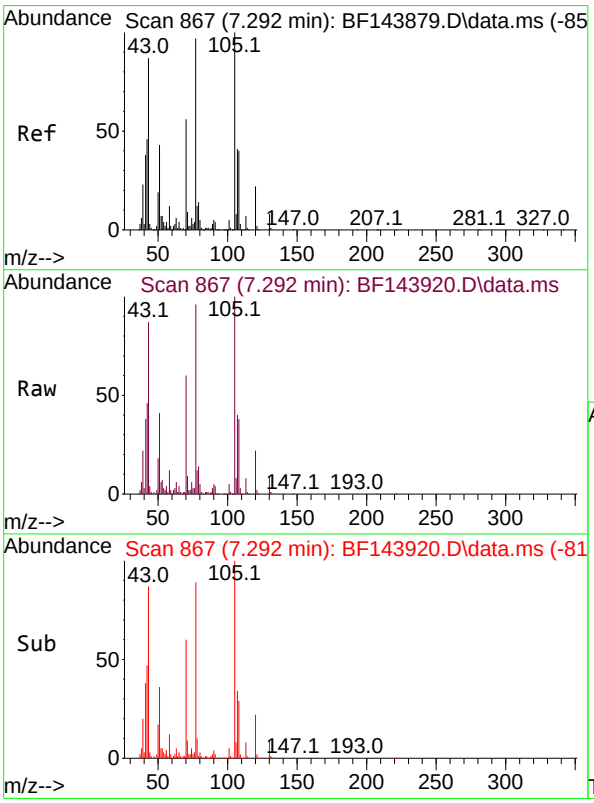
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 454258

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.4	8.2	12.4
68	7.5	6.2	9.4

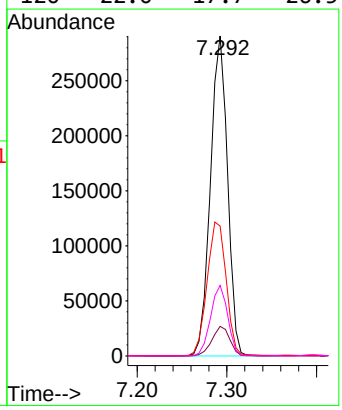


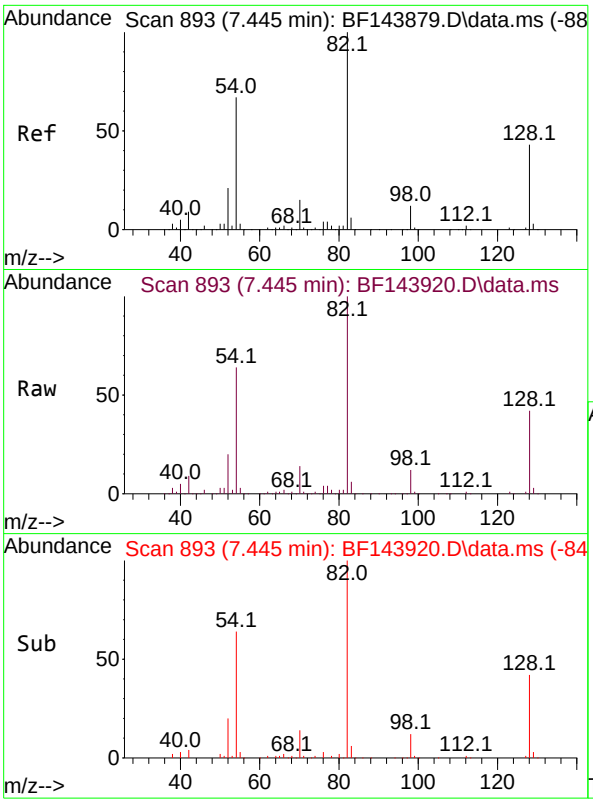


#22
Acetophenone
Concen: 40.106 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:105 Resp: 385221

Ion	Ratio	Lower	Upper
105	100		
71	9.2	7.4	11.0
51	40.6	34.2	51.4
120	22.0	17.7	26.5



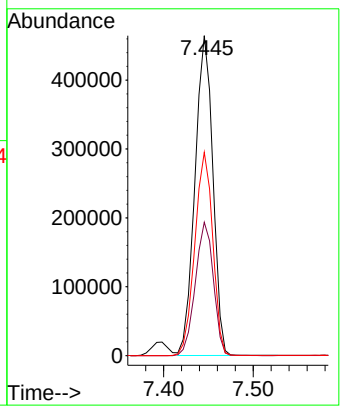


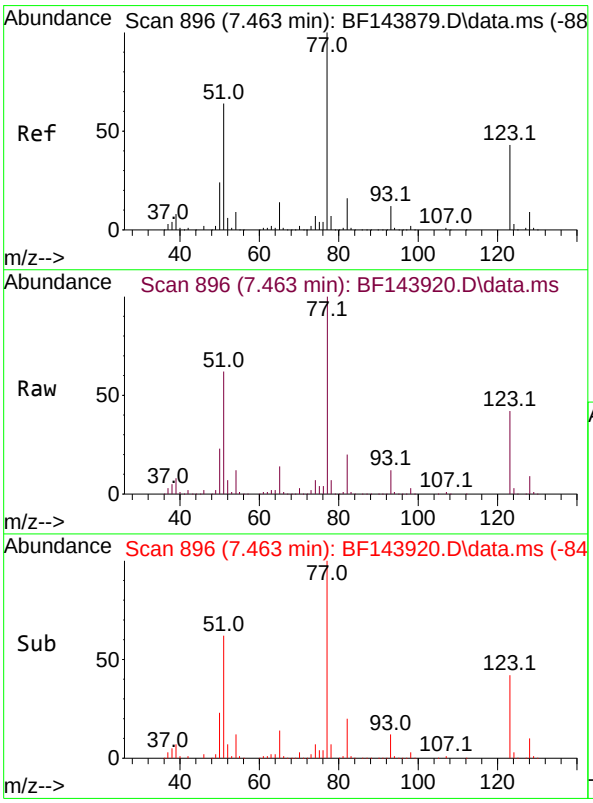
#23
Nitrobenzene-d5
Concen: 86.089 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 643677

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.0	51.0
54	63.5	53.2	79.8

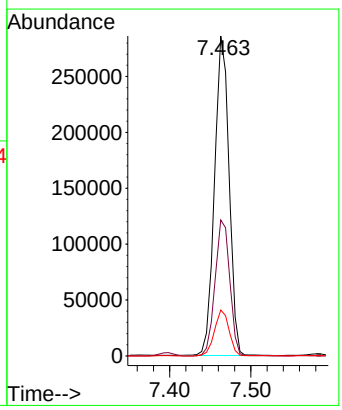


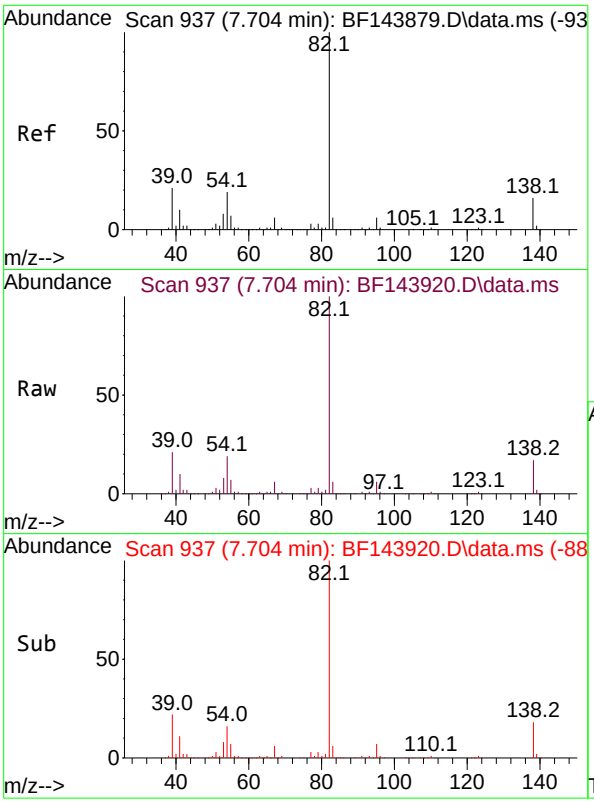


#24
Nitrobenzene
Concen: 43.035 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 77 Resp: 357330

Ion	Ratio	Lower	Upper
77	100		
123	42.5	34.2	51.4
65	14.3	11.0	16.6



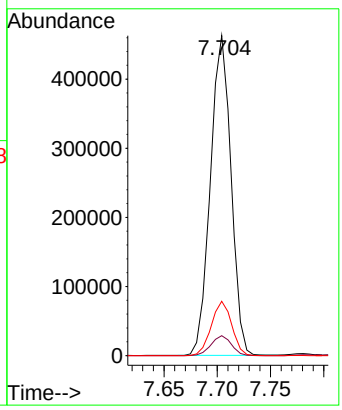


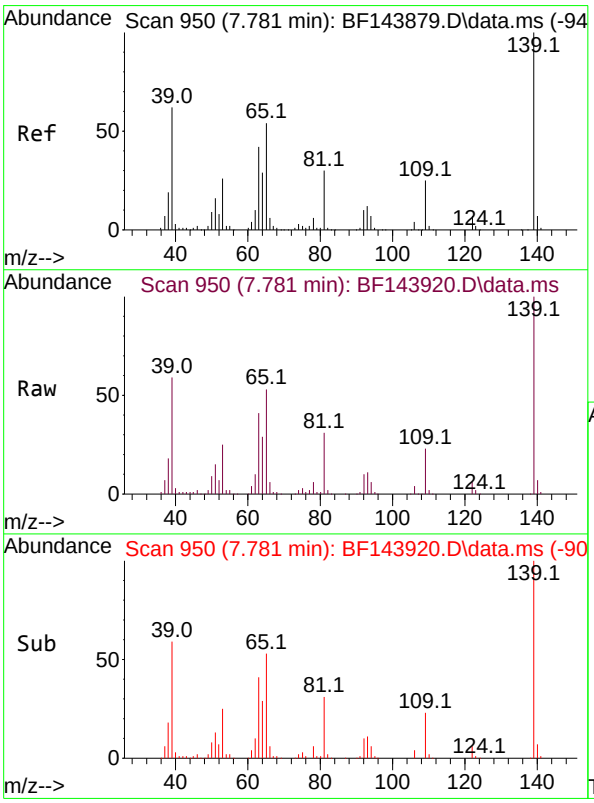
#25
Isophorone
Concen: 39.650 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 625096

Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.1	7.7
138	17.0	12.9	19.3

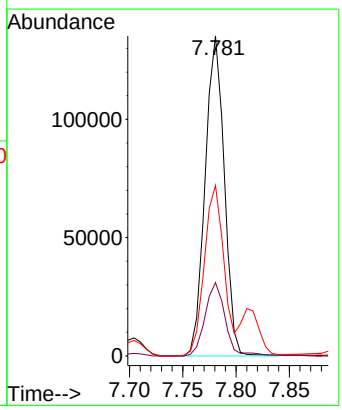


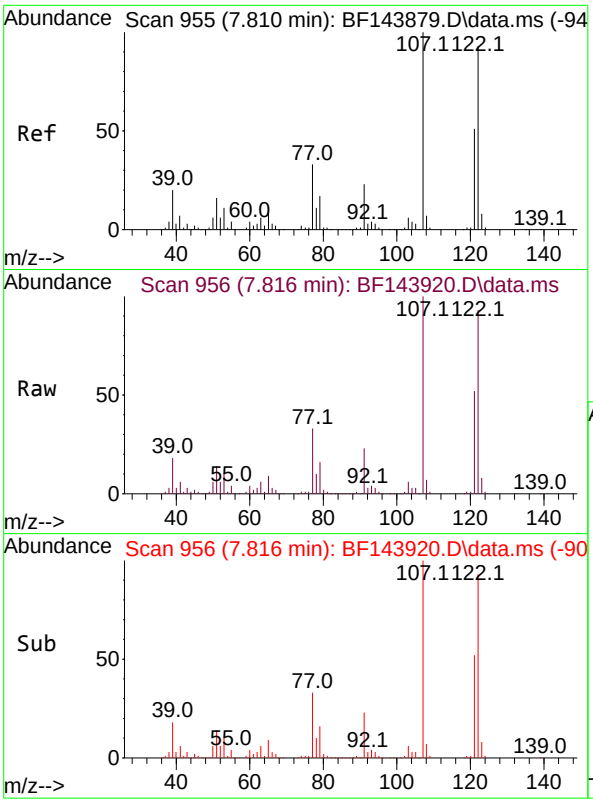


#26
2-Nitrophenol
Concen: 47.508 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:139 Resp: 169120

Ion	Ratio	Lower	Upper
139	100		
109	22.9	19.8	29.6
65	53.3	42.9	64.3



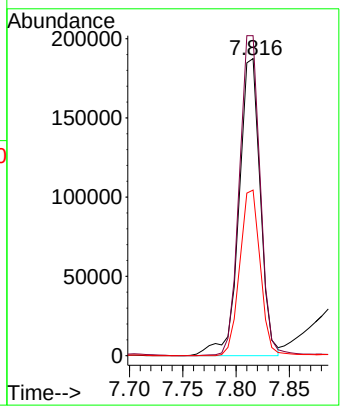


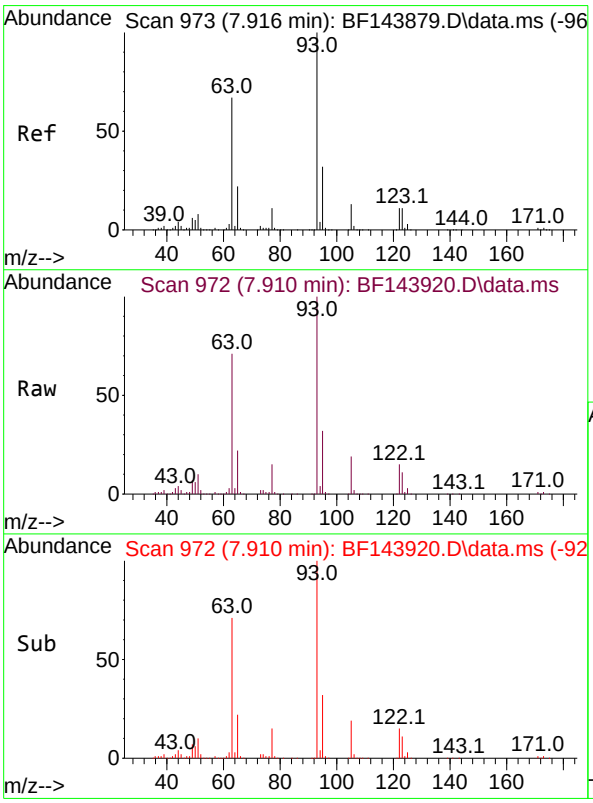
#27
2,4-Dimethylphenol
Concen: 40.633 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 260198

Ion	Ratio	Lower	Upper
122	100		
107	107.7	86.1	129.1
121	55.7	43.8	65.6

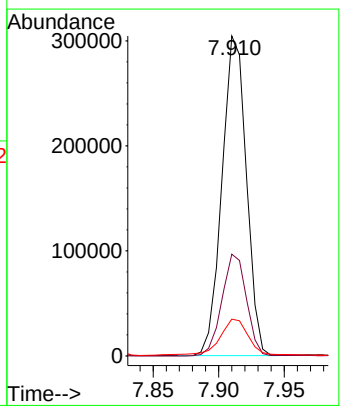


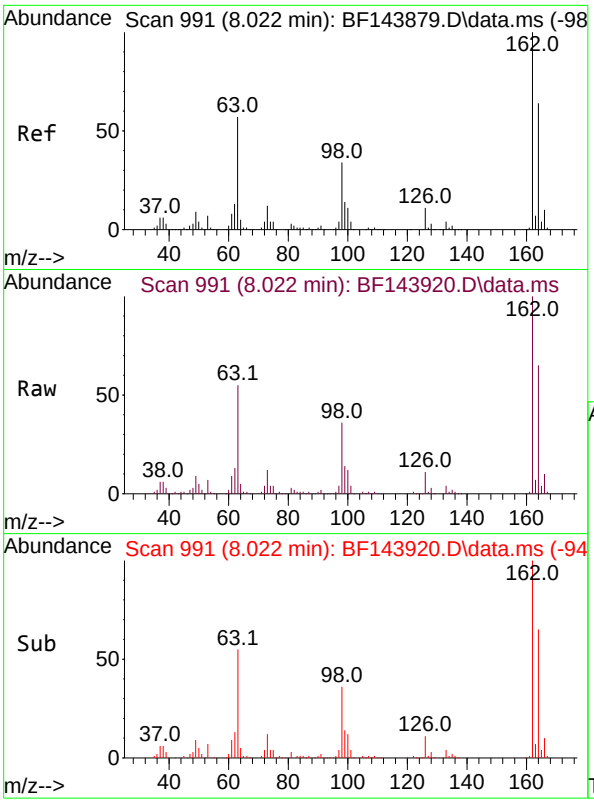


#28
bis(2-Chloroethoxy)methane
Concen: 39.645 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 93 Resp: 394819

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.9	38.9
123	11.5	9.4	14.0



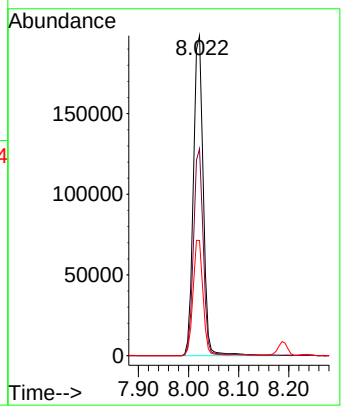


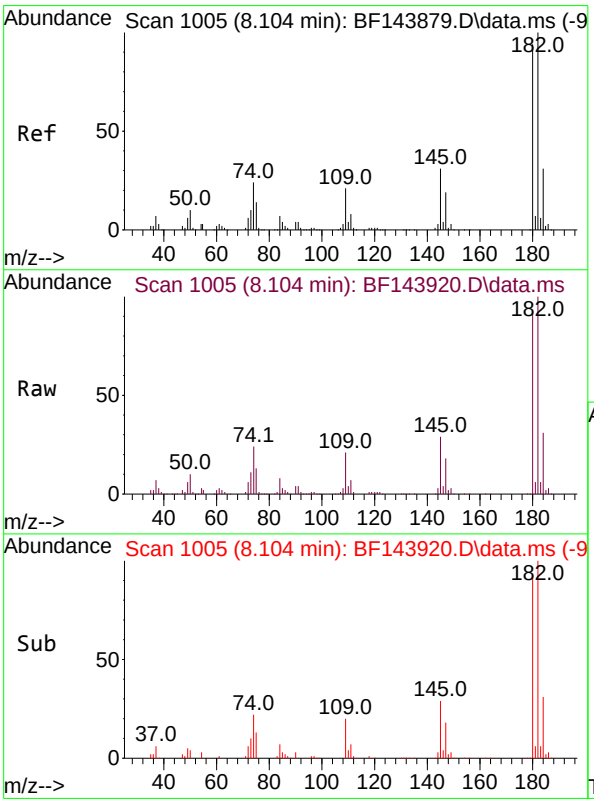
#29
2,4-Dichlorophenol
Concen: 40.702 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 271493

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.9	83.9
98	36.0	14.4	54.4

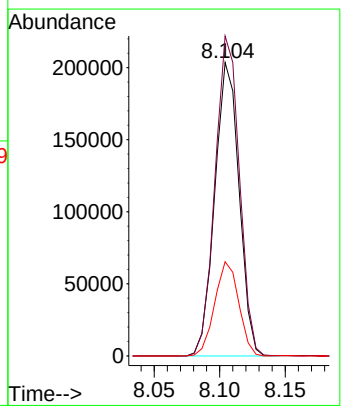


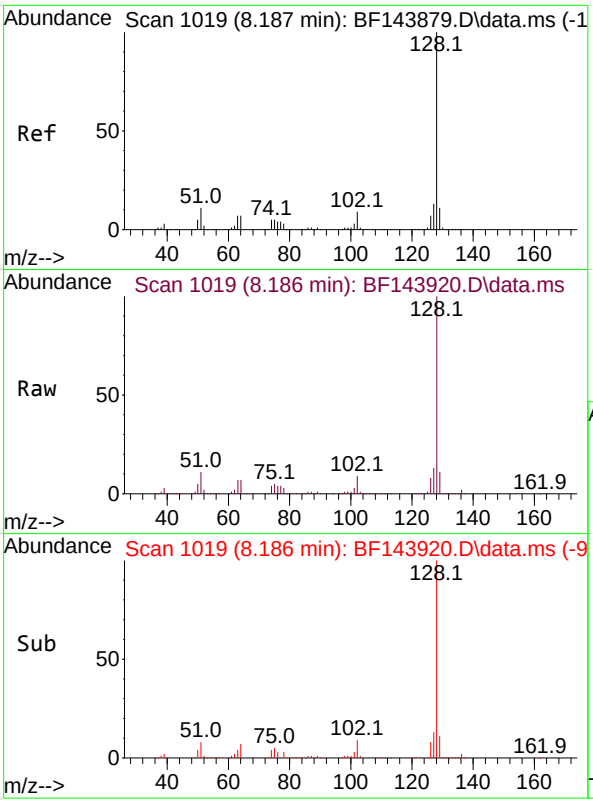


#30
1,2,4-Trichlorobenzene
Concen: 40.123 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:180 Resp: 263208

Ion	Ratio	Lower	Upper
180	100		
182	109.1	85.4	128.0
145	32.1	26.3	39.5



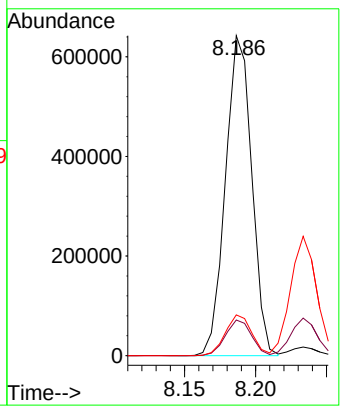


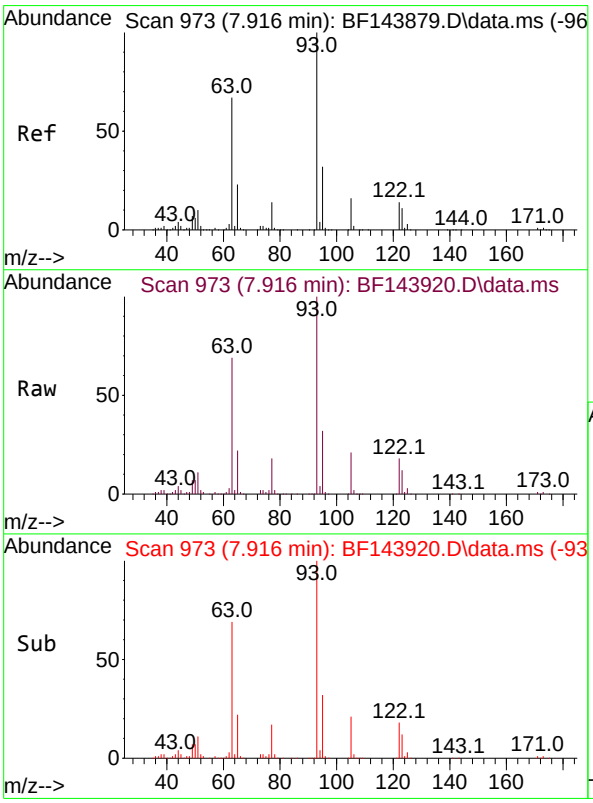
#31
Naphthalene
Concen: 39.995 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 826450

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.0	15.0

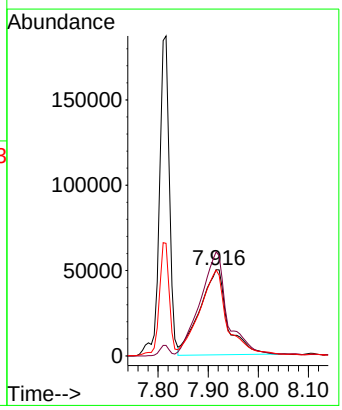


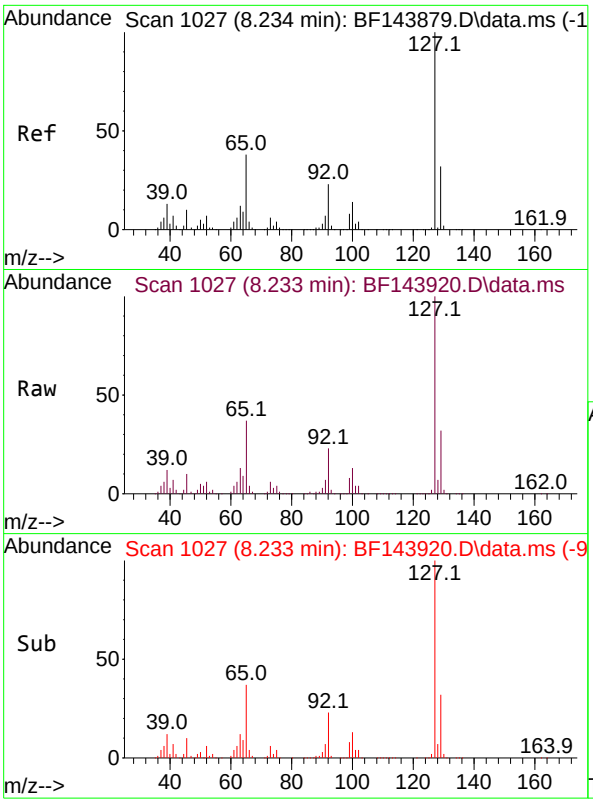


#32
Benzoic acid
Concen: 43.673 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.047 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:122 Resp: 193551

Ion	Ratio	Lower	Upper
122	100		
105	120.7	93.5	133.5
77	99.6	76.3	116.3



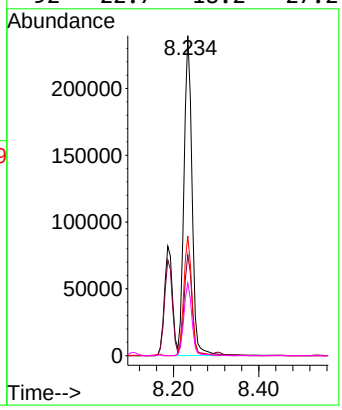


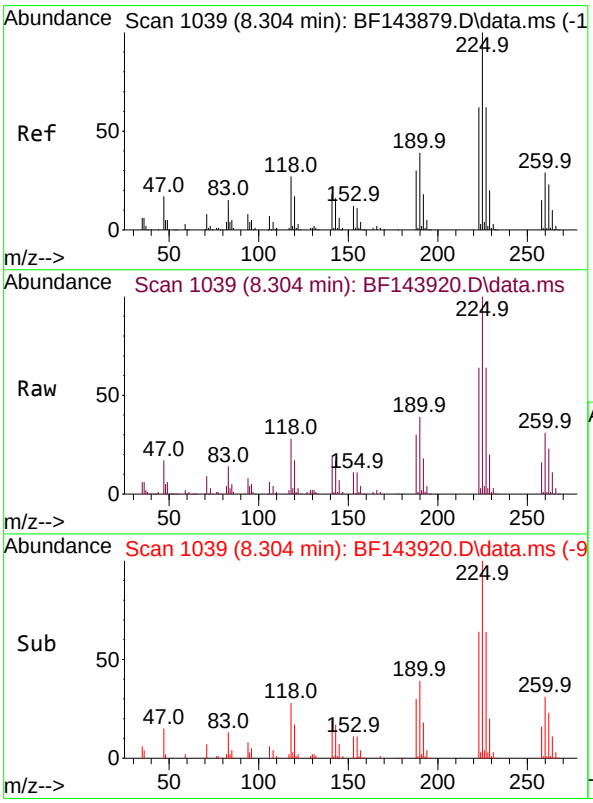
#33
4-Chloroaniline
Concen: 40.648 ng
RT: 8.233 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 315022

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.8
65	37.4	30.0	45.0
92	22.7	18.2	27.2

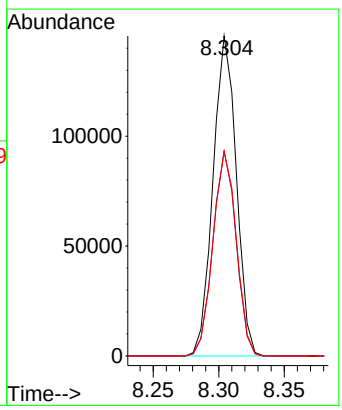


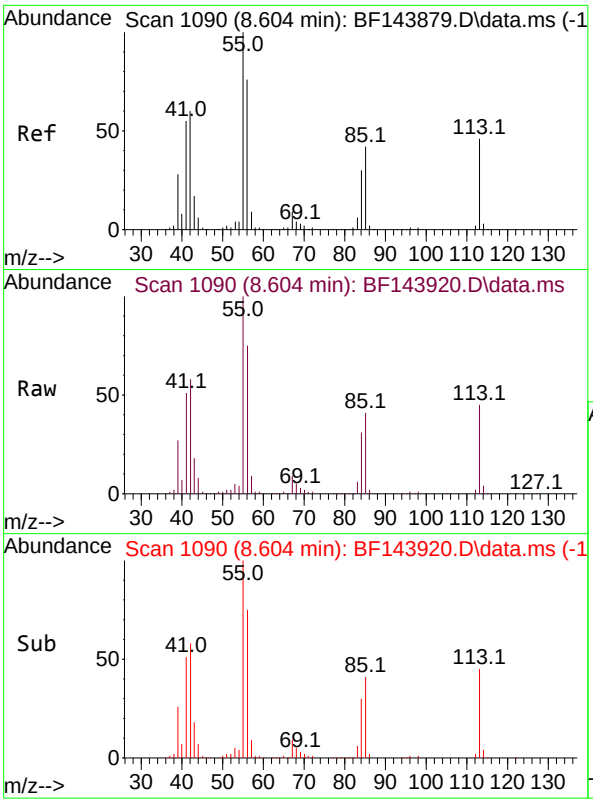


#34
Hexachlorobutadiene
Concen: 39.469 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:225 Resp: 179921

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.4	74.2
227	63.9	49.7	74.5



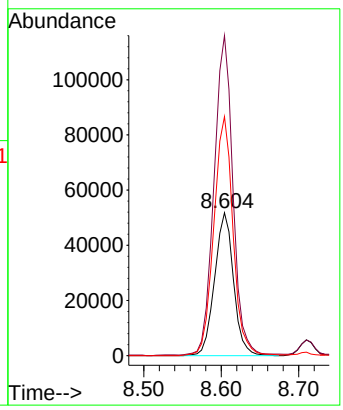


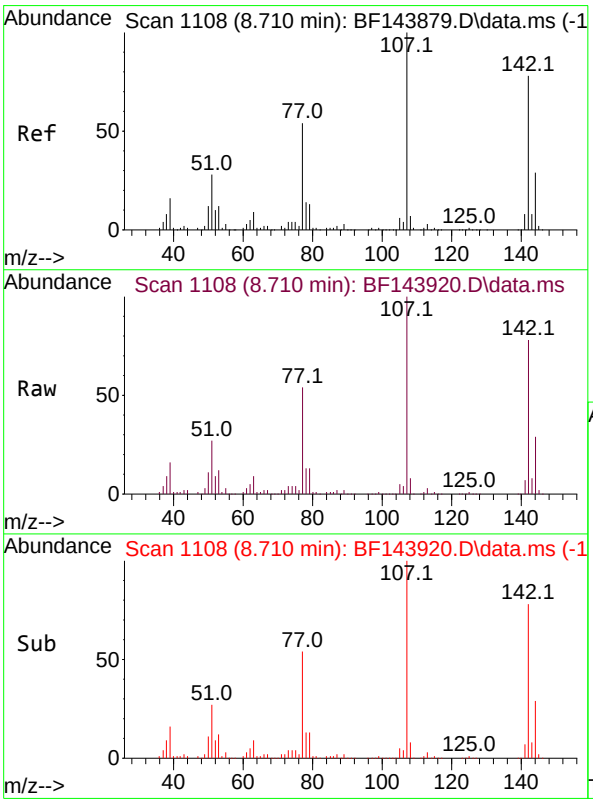
#35
Caprolactam
Concen: 41.382 ng
RT: 8.604 min Scan# 10
Delta R.T. -0.041 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 87766

Ion	Ratio	Lower	Upper
113	100		
55	224.2	199.6	239.6
56	167.4	146.0	186.0

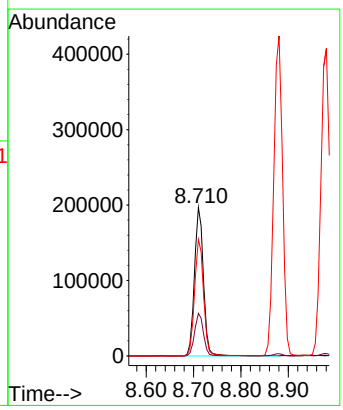


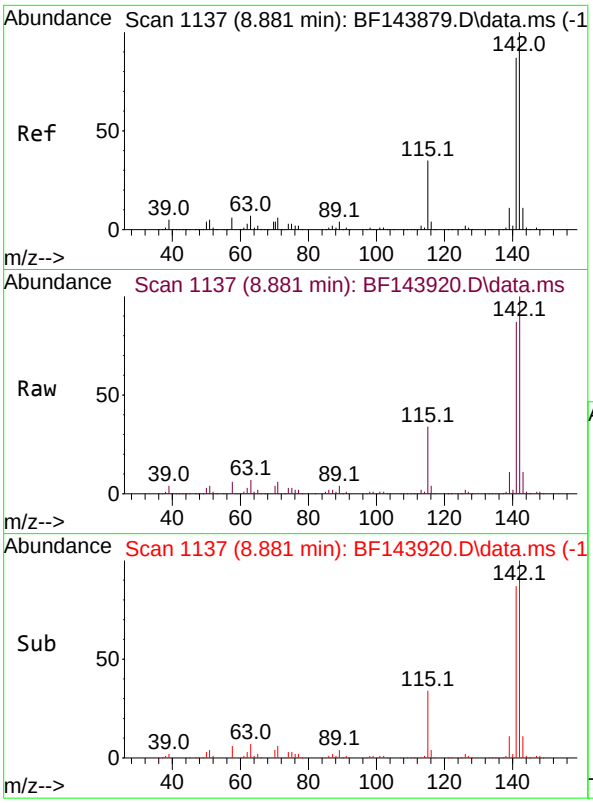


#36
4-Chloro-3-methylphenol
Concen: 40.616 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:107 Resp: 260239

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.1	34.7
142	78.4	62.6	94.0



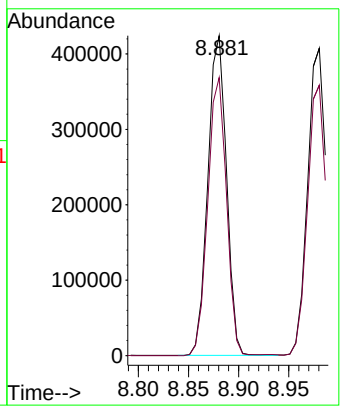


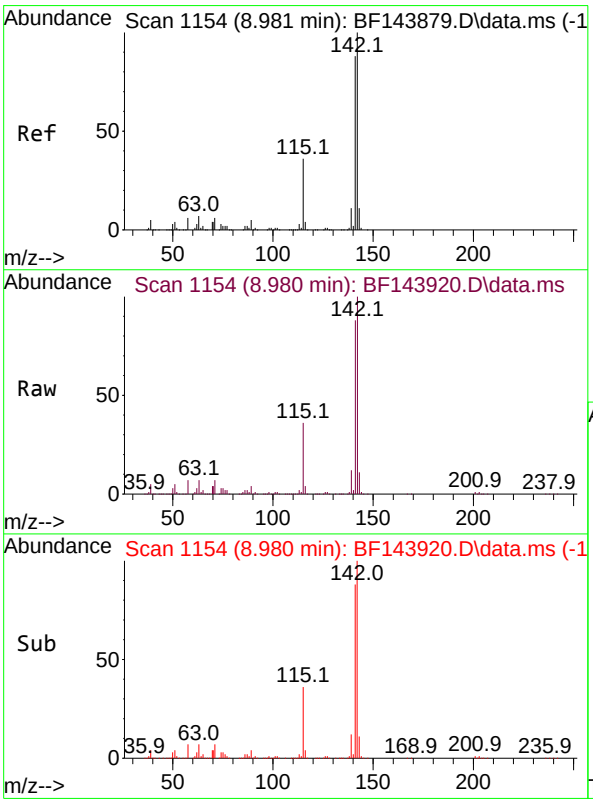
#37
2-Methylnaphthalene
Concen: 39.693 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 546354

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.2	103.8

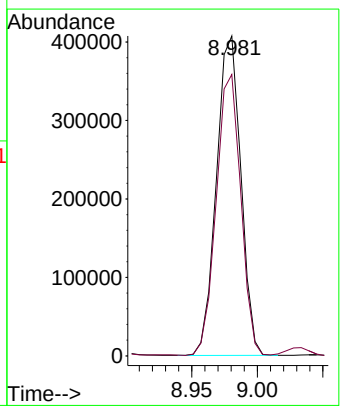


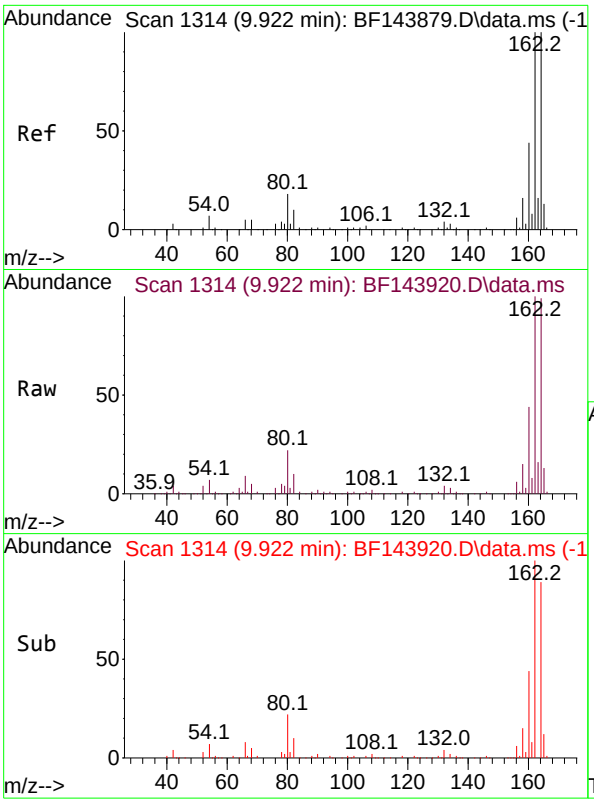


#38
1-Methylnaphthalene
Concen: 39.579 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:142 Resp: 528428

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.8	106.2



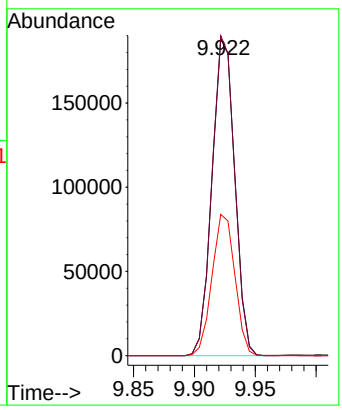


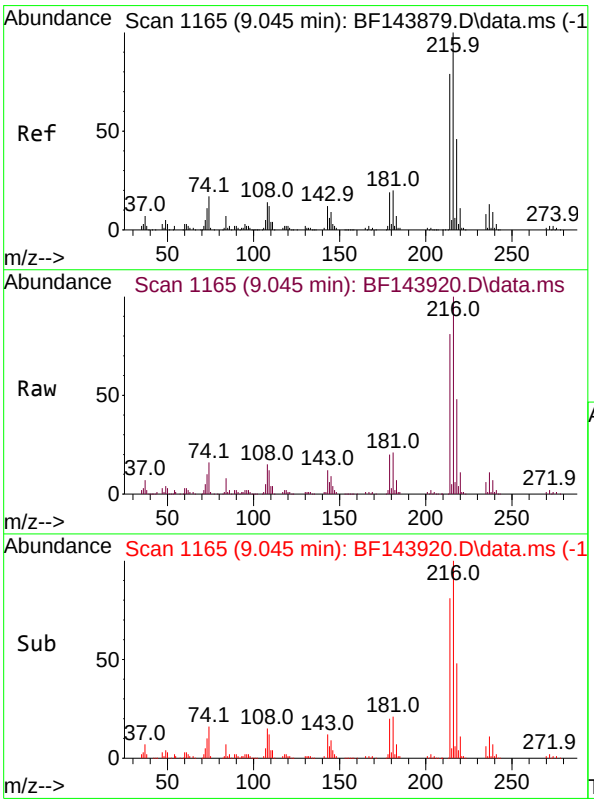
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 244959

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	44.5	35.4	53.0

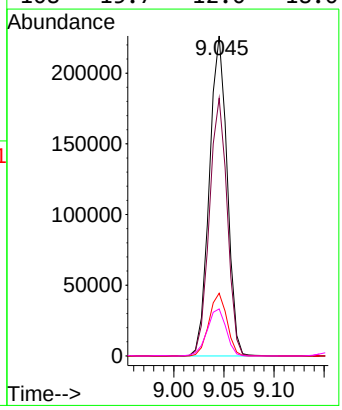


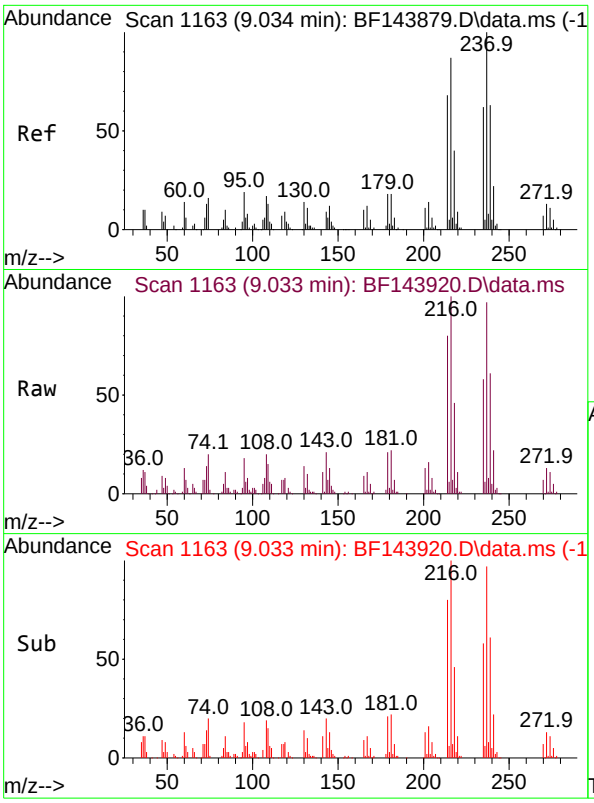


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.135 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:216 Resp: 278501

Ion	Ratio	Lower	Upper
216	100		
214	80.5	62.6	94.0
179	19.7	15.4	23.0
108	15.7	12.0	18.0



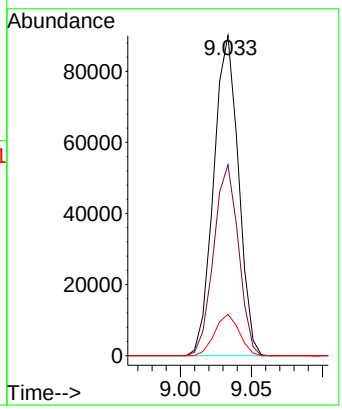


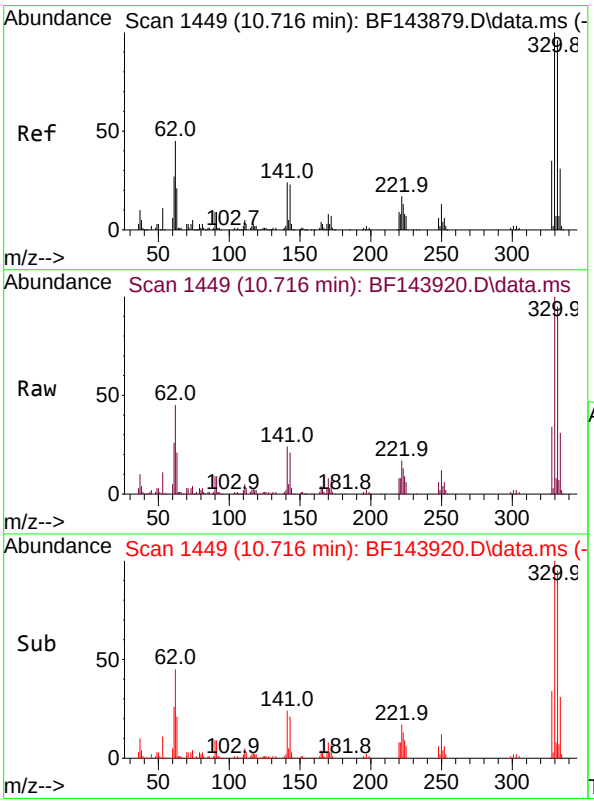
#41
Hexachlorocyclopentadiene
Concen: 39.008 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 109563

Ion	Ratio	Lower	Upper
237	100		
235	59.6	42.3	82.3
272	12.9	0.0	33.1

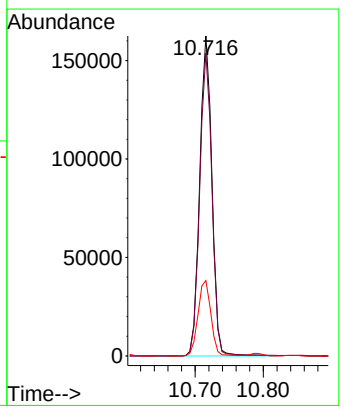


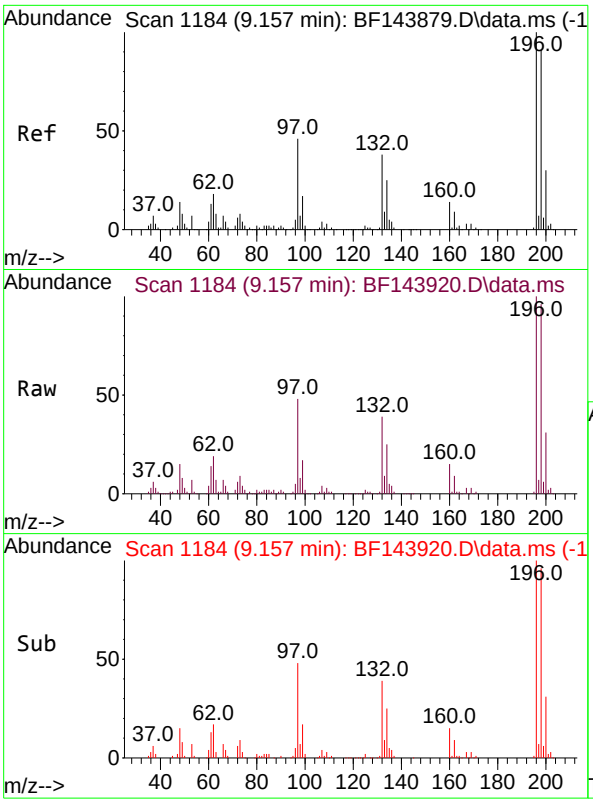


#42
2,4,6-Tribromophenol
Concen: 83.037 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:330 Resp: 202596

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.9	115.3
141	24.9	20.2	30.4



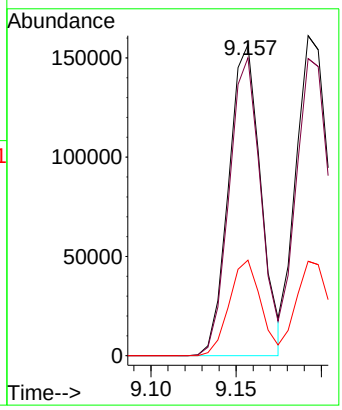


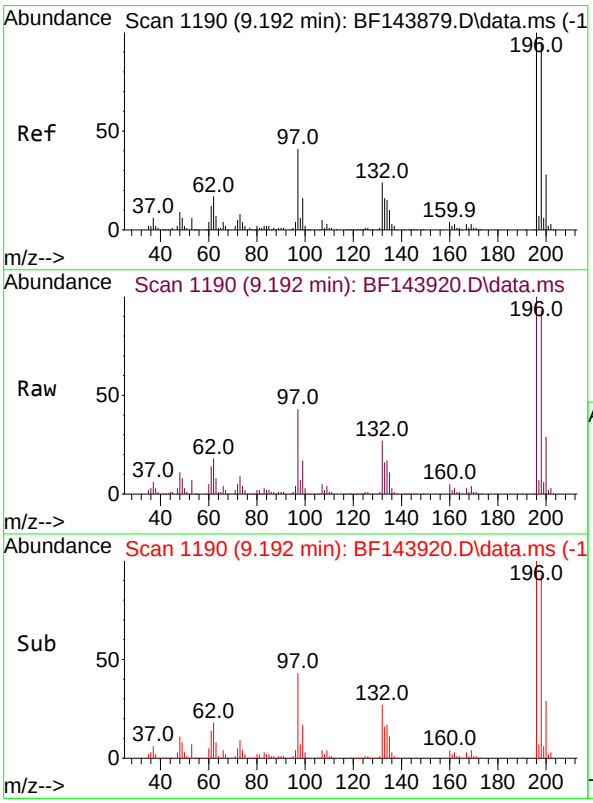
#43
2,4,6-Trichlorophenol
Concen: 41.519 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 205387

Ion	Ratio	Lower	Upper
196	100		
198	95.8	72.8	109.2
200	30.7	24.0	36.0

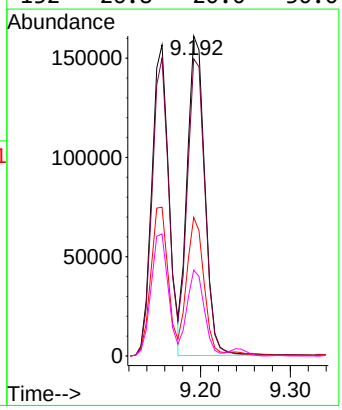


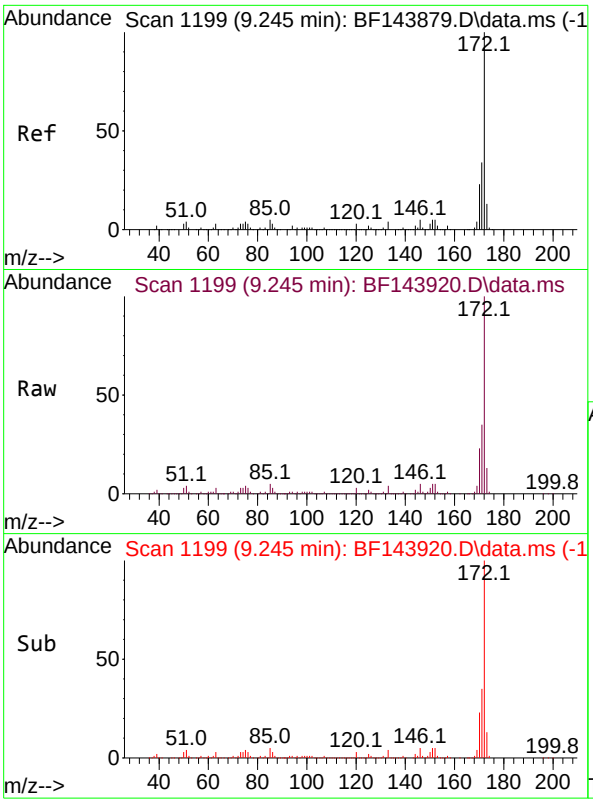


#44
2,4,5-Trichlorophenol
Concen: 42.002 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:196 Resp: 219570

Ion	Ratio	Lower	Upper
196	100		
198	92.8	75.5	113.3
97	43.3	33.9	50.9
132	26.8	20.0	30.0



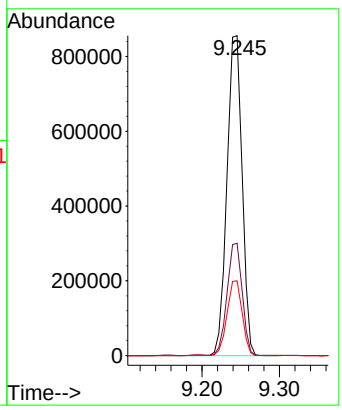


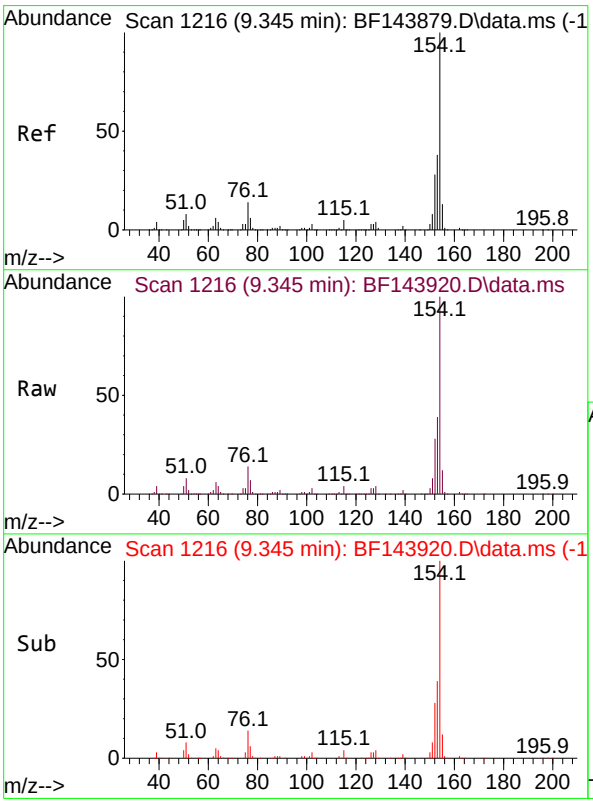
#45
2-Fluorobiphenyl
Concen: 75.694 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1168558

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.0
170	23.4	18.6	28.0

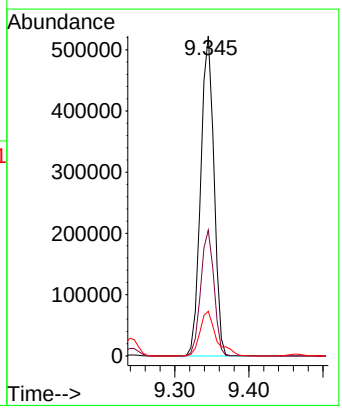


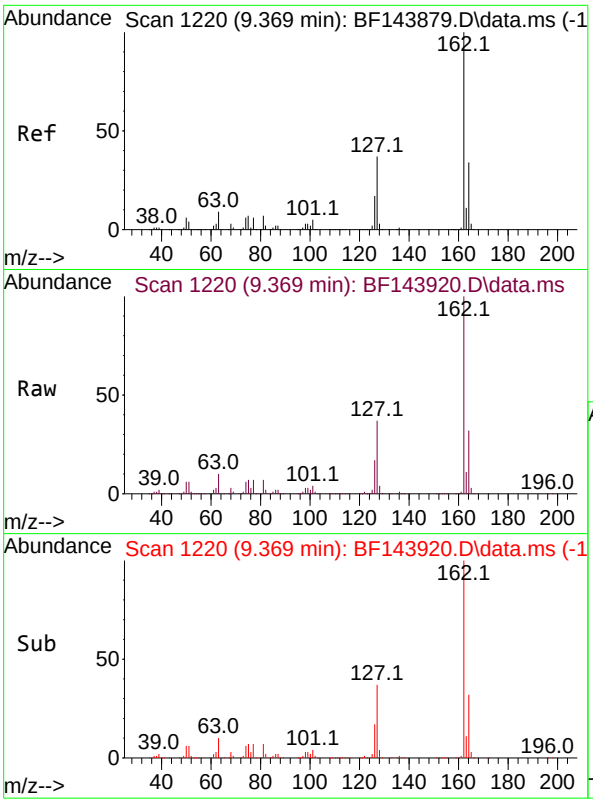


#46
1,1'-Biphenyl
Concen: 40.042 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:154 Resp: 649425

Ion	Ratio	Lower	Upper
154	100		
153	39.3	18.4	58.4
76	13.9	0.0	34.0



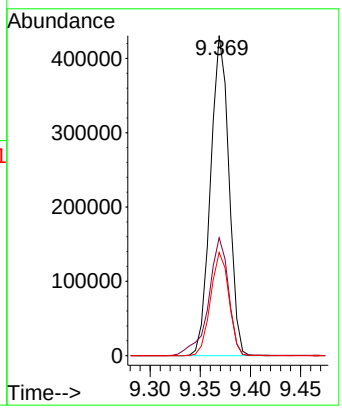


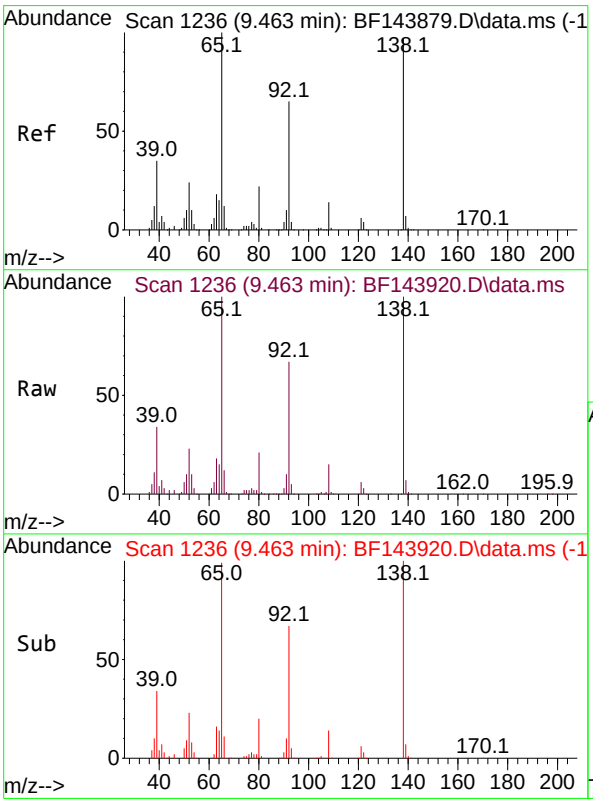
#47
2-Chloronaphthalene
Concen: 40.581 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 548743

Ion	Ratio	Lower	Upper
162	100		
127	36.8	30.2	45.2
164	32.2	26.9	40.3

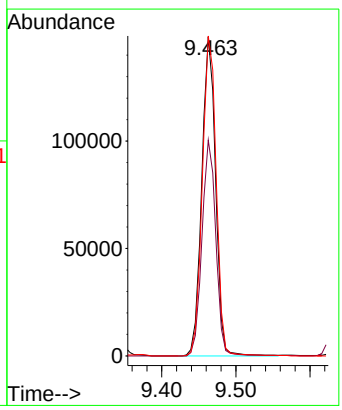


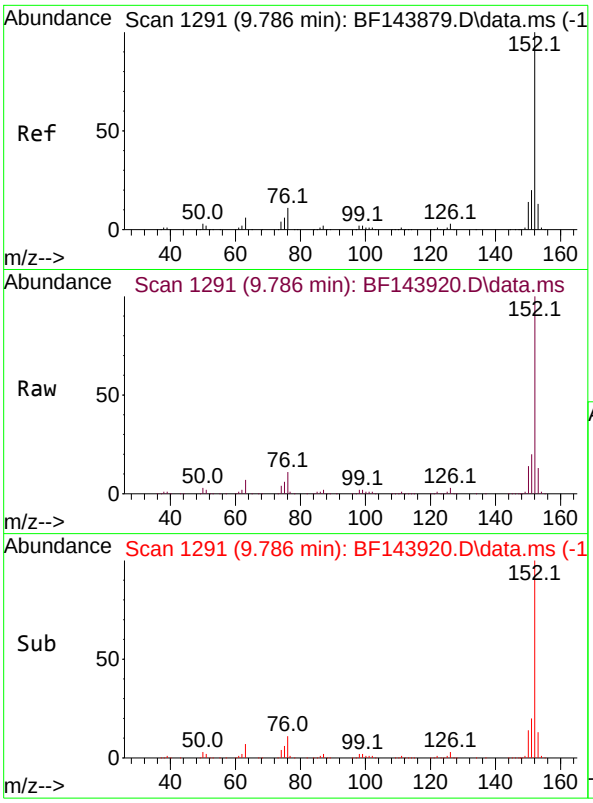


#48
2-Nitroaniline
Concen: 44.917 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion: 65 Resp: 192026

Ion	Ratio	Lower	Upper
65	100		
92	67.6	52.1	78.1
138	100.3	77.4	116.2



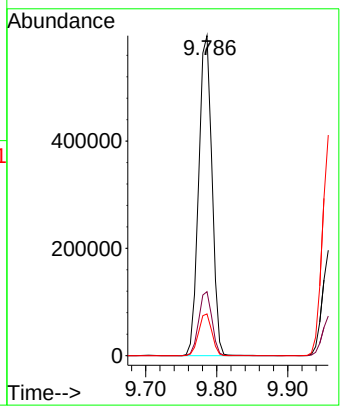


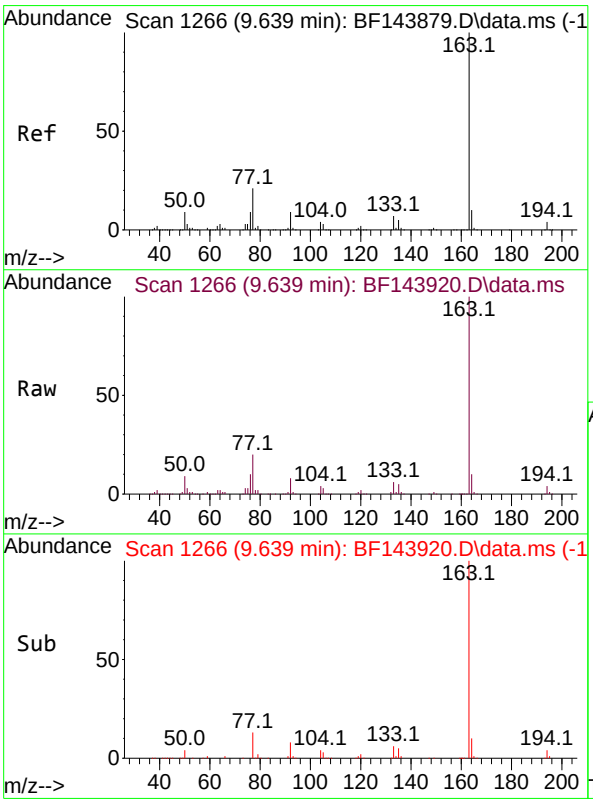
#49
Acenaphthylene
Concen: 40.546 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 770792

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.0	10.5	15.7

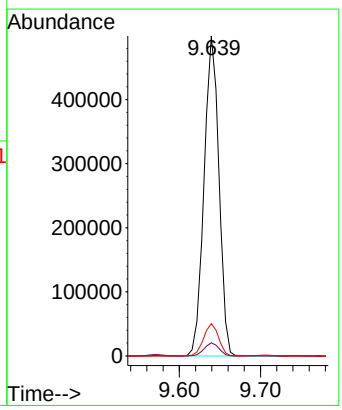


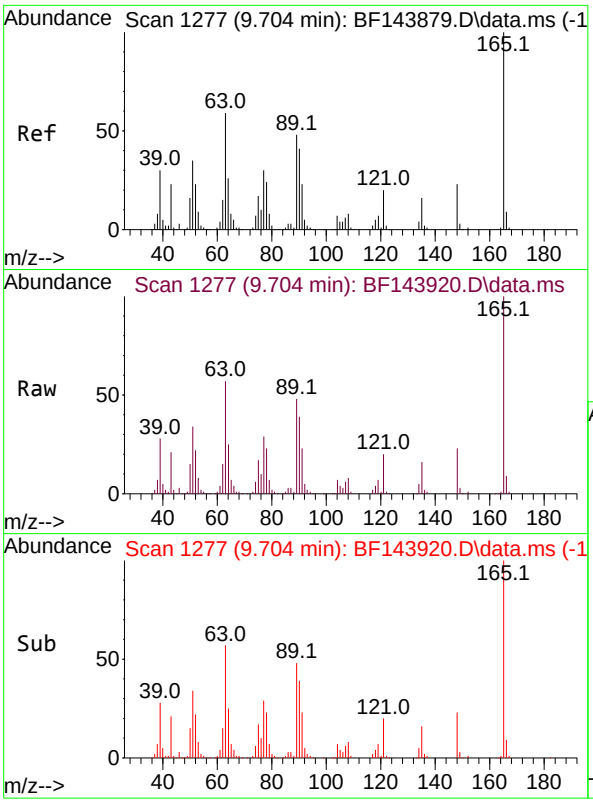


#50
Dimethylphthalate
Concen: 40.997 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:163 Resp: 637750

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.1	12.1



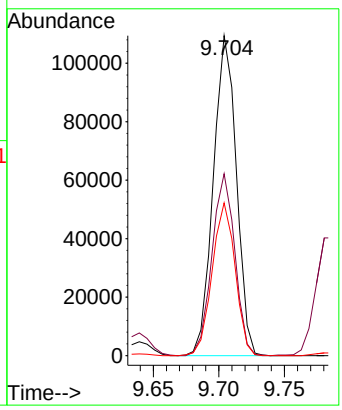


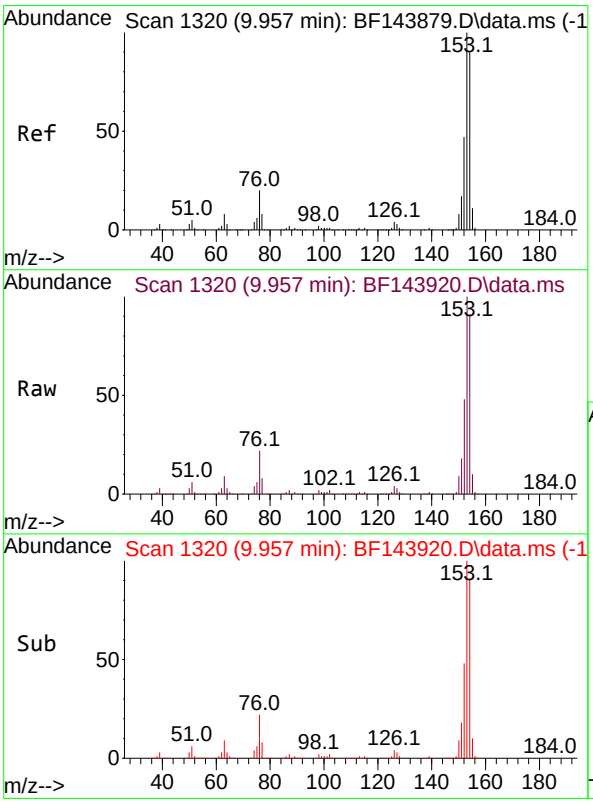
#51
2,6-Dinitrotoluene
Concen: 46.471 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 134048

Ion	Ratio	Lower	Upper
165	100		
63	56.8	47.3	70.9
89	47.7	38.2	57.4

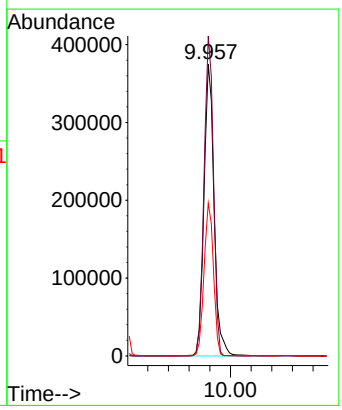


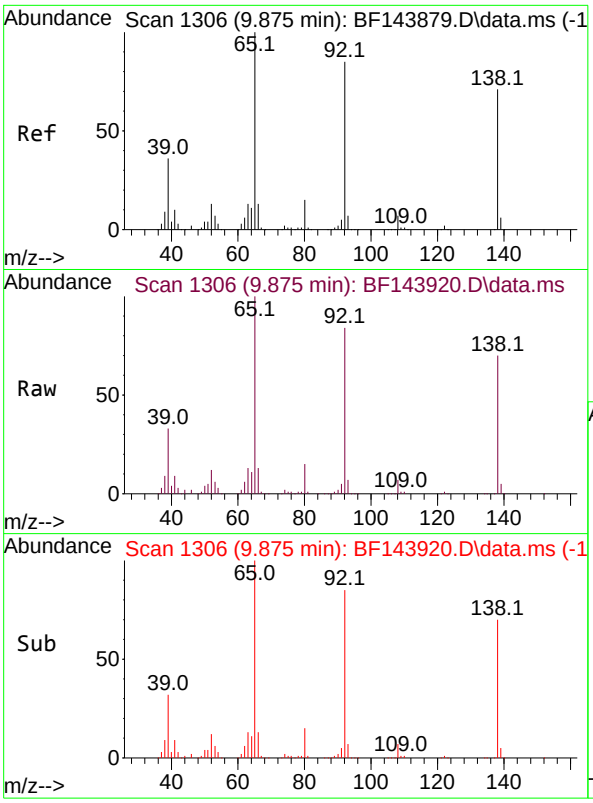


#52
Acenaphthene
Concen: 40.787 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:154 Resp: 508069

Ion	Ratio	Lower	Upper
154	100		
153	109.7	89.3	133.9
152	52.4	42.2	63.2



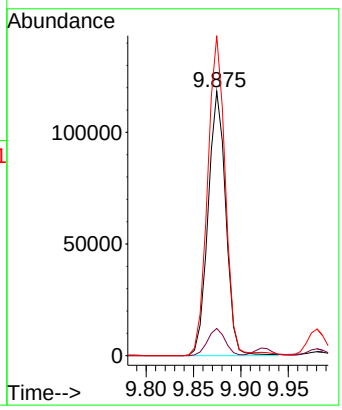


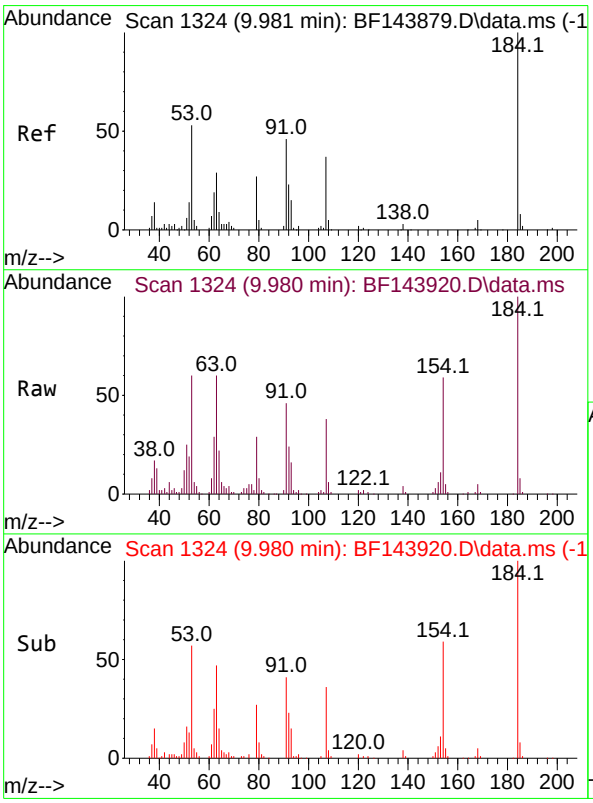
#53
3-Nitroaniline
Concen: 43.499 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 153638

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.3	12.5
92	121.1	96.2	144.2

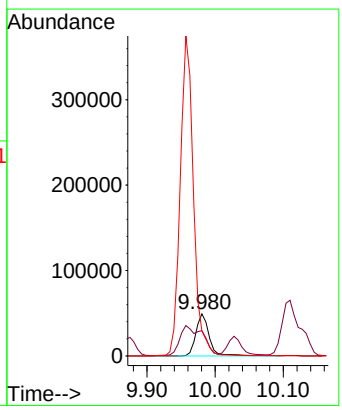


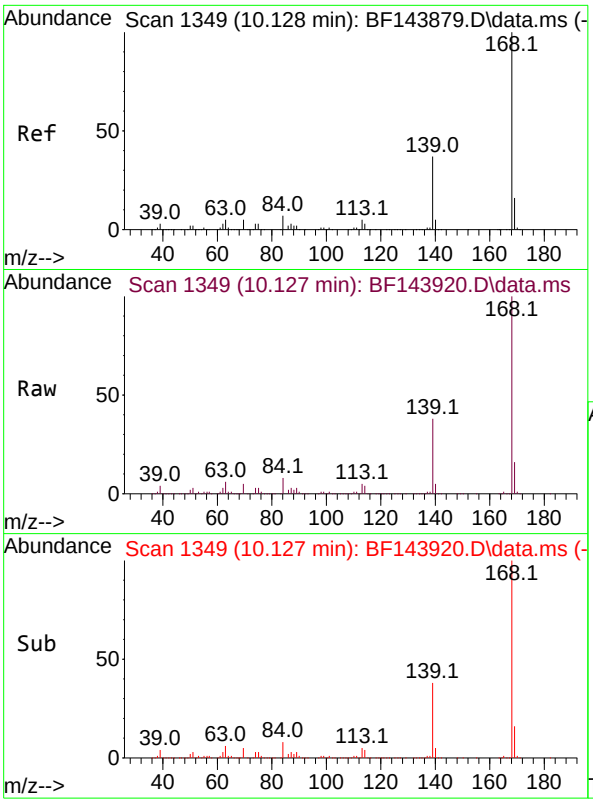


#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:184 Resp: 66354

Ion	Ratio	Lower	Upper
184	100		
63	59.9	48.2	72.4
154	59.0	49.2	73.8



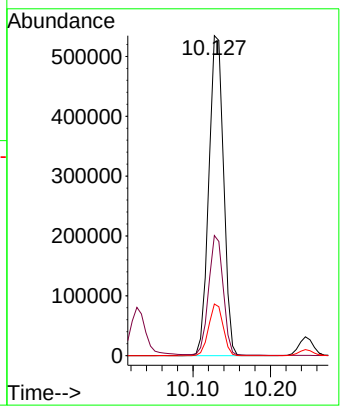


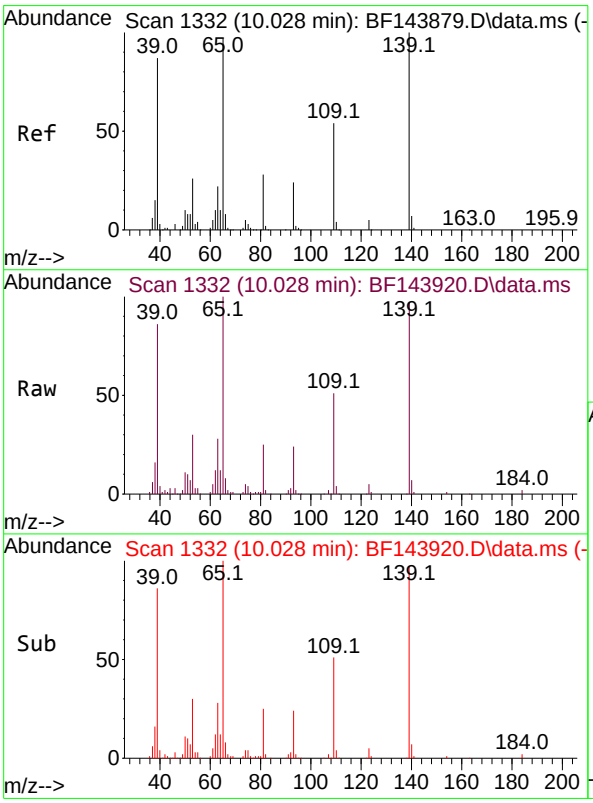
#55
Dibenzofuran
Concen: 40.167 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 706301

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.8	44.8
169	16.1	12.8	19.2

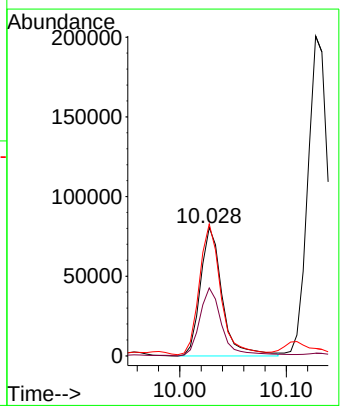


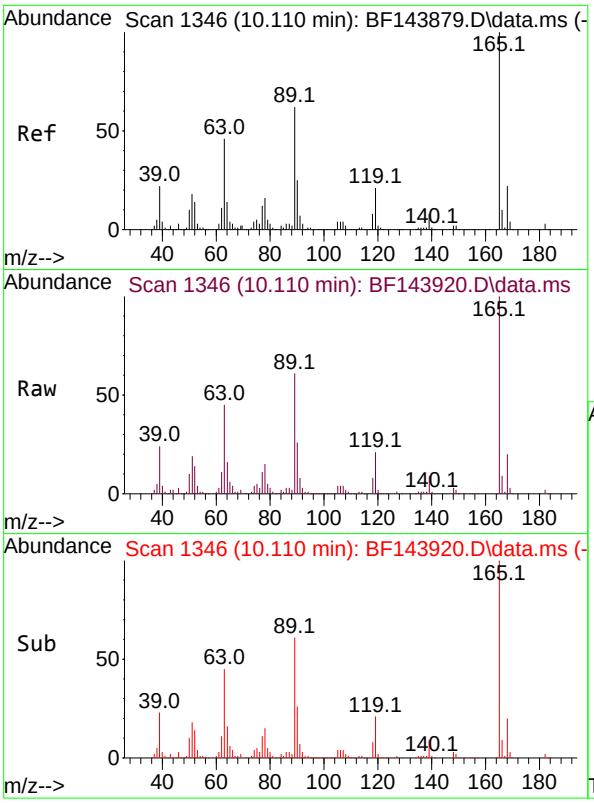


#56
4-Nitrophenol
Concen: 42.663 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:139 Resp: 114093

Ion	Ratio	Lower	Upper
139	100		
109	52.9	34.5	74.5
65	102.8	77.6	117.6



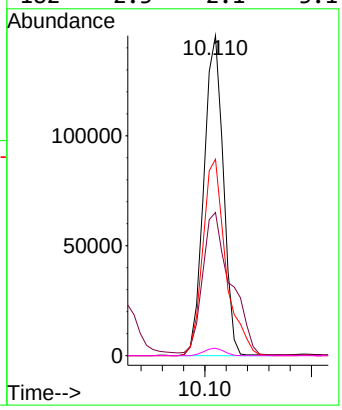


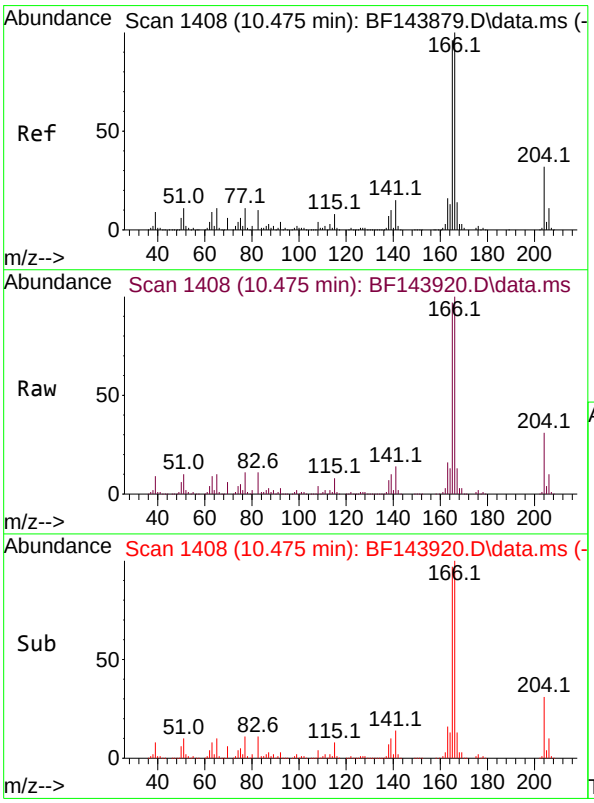
#57
2,4-Dinitrotoluene
Concen: 46.872 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 183964

Ion	Ratio	Lower	Upper
165	100		
63	44.7	37.2	55.8
89	61.4	49.4	74.2
182	2.3	2.1	3.1

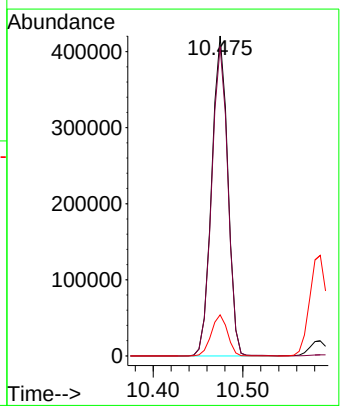


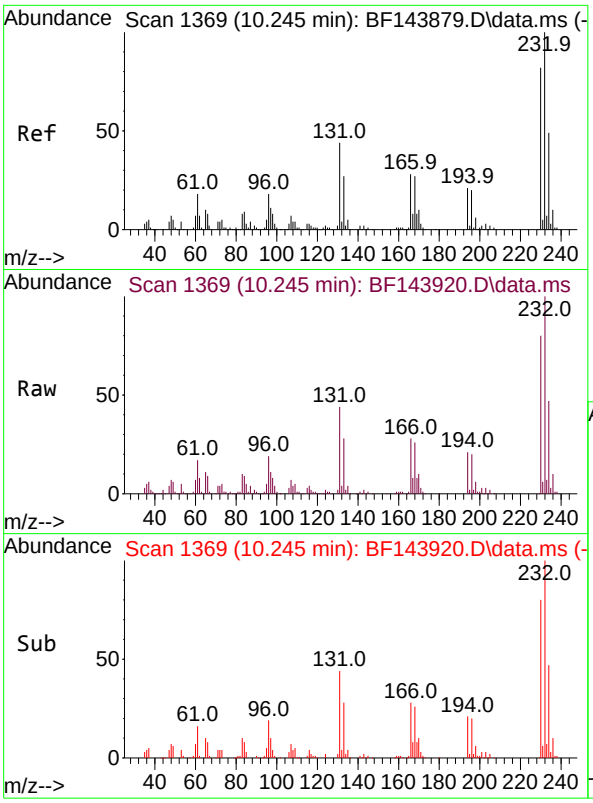


#58
Fluorene
Concen: 39.721 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:166 Resp: 527033

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.0	115.6
167	12.8	11.1	16.7



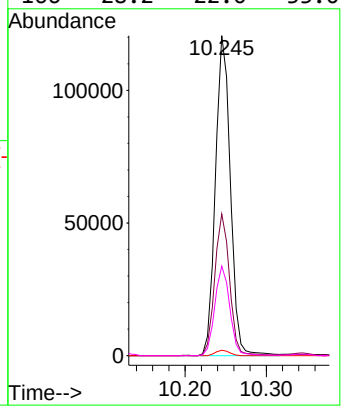


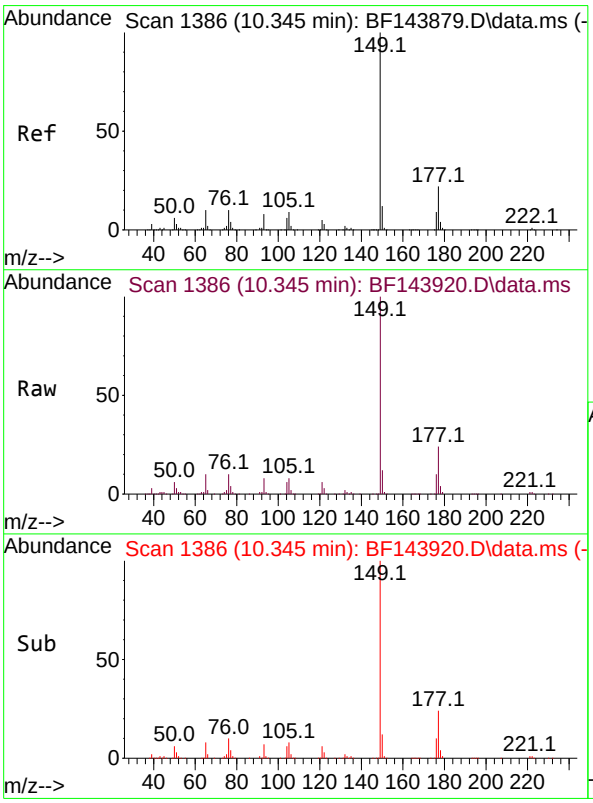
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.710 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 154350

Ion	Ratio	Lower	Upper
232	100		
131	43.8	34.9	52.3
130	1.6	1.6	2.4#
166	28.2	22.0	33.0

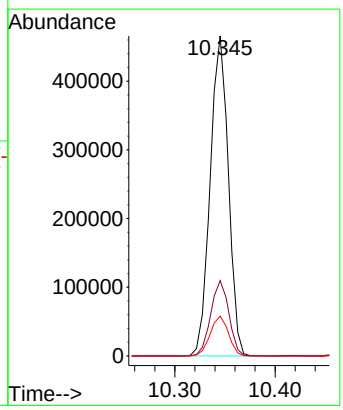


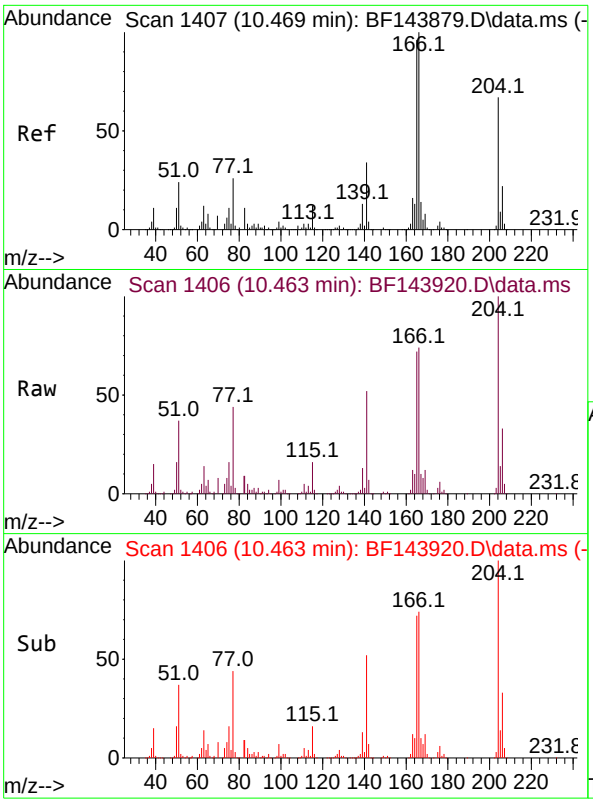


#60
Diethylphthalate
Concen: 40.559 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:149 Resp: 586148

Ion	Ratio	Lower	Upper
149	100		
177	23.5	17.9	26.9
150	12.4	9.8	14.8



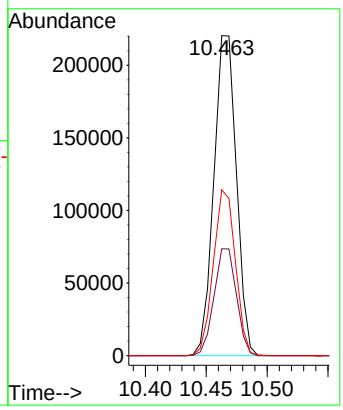


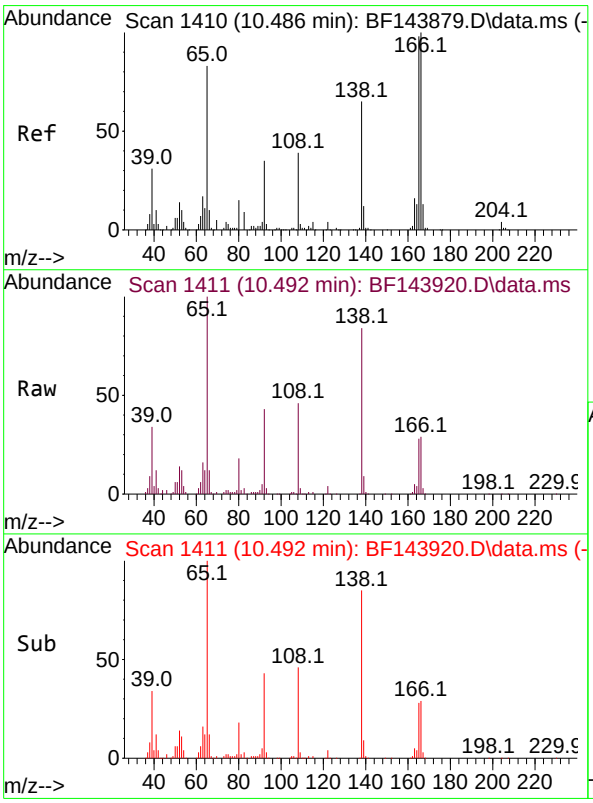
#61
4-Chlorophenyl-phenylether
Concen: 40.571 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 284601

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	51.8	40.4	60.6

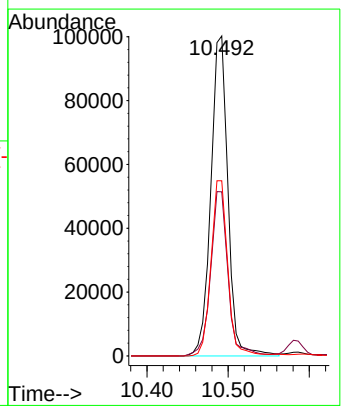


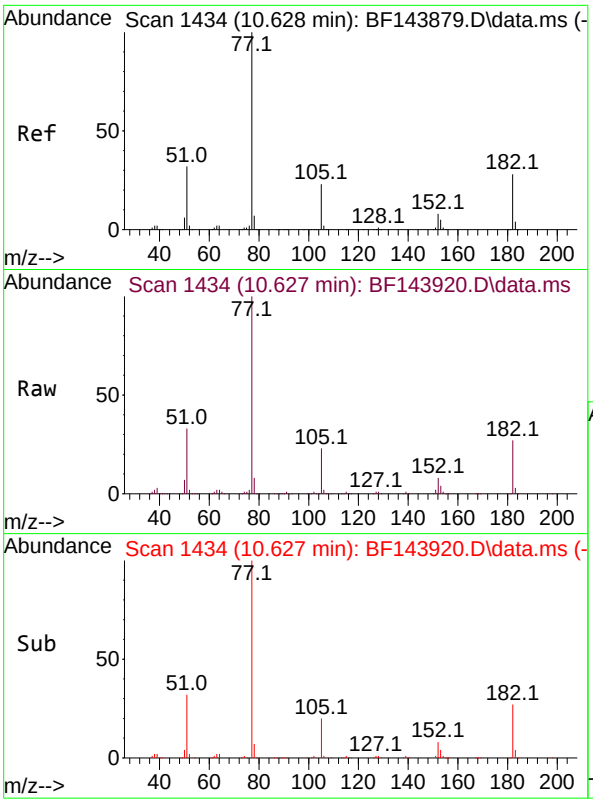


#62
4-Nitroaniline
Concen: 43.223 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:138 Resp: 146806

Ion	Ratio	Lower	Upper
138	100		
92	51.3	33.9	73.9
108	54.7	40.2	80.2



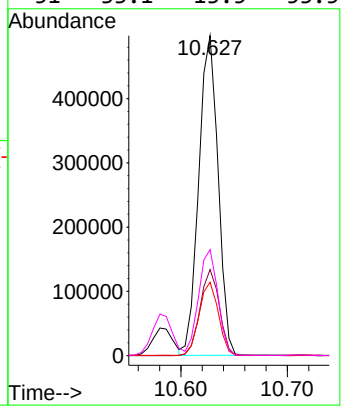


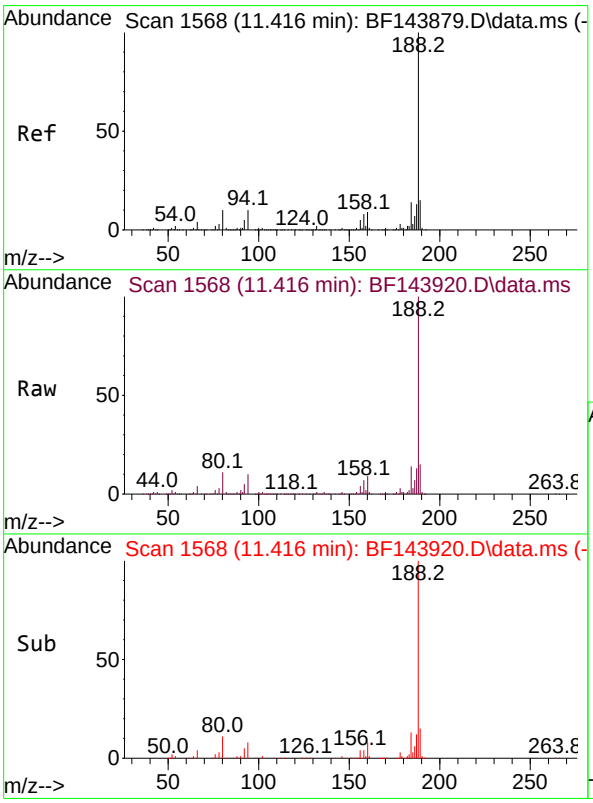
#63
Azobenzene
Concen: 41.495 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 626735

Ion	Ratio	Lower	Upper
77	100		
182	26.9	7.3	47.3
105	22.9	3.0	43.0
51	33.1	13.5	53.5

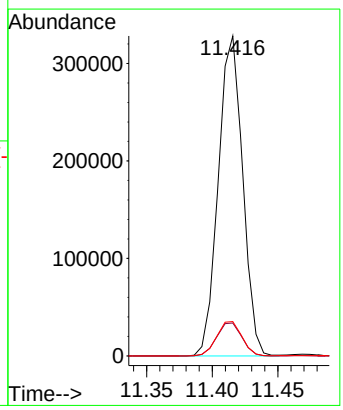


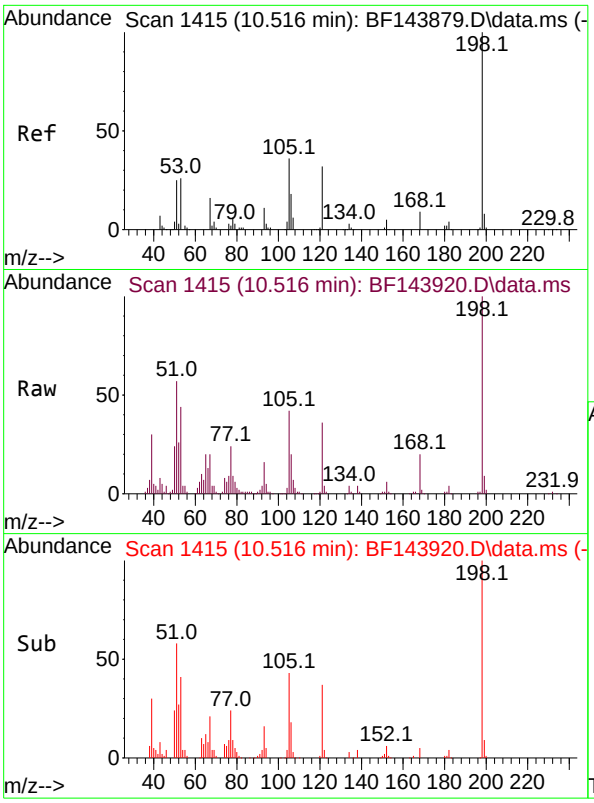


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:188 Resp: 425799

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.7	7.9	11.9



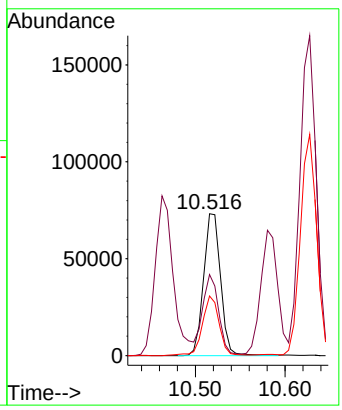


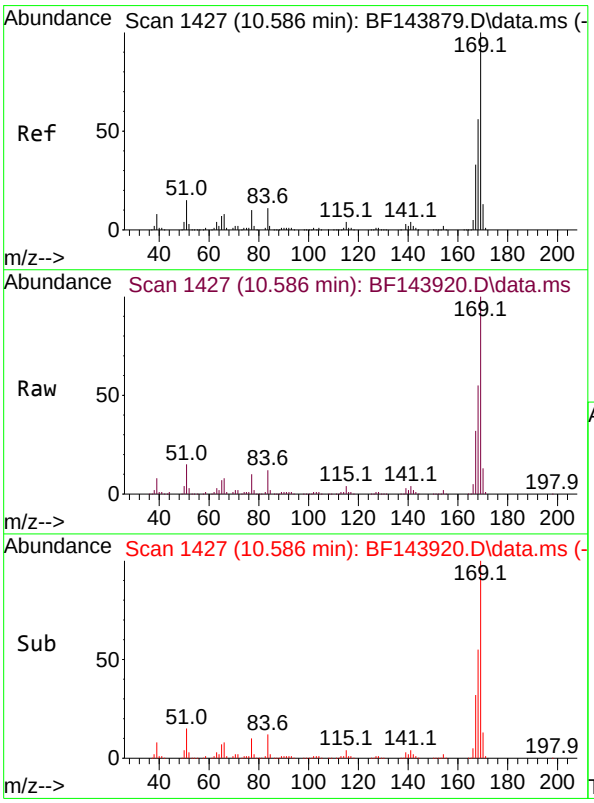
#65
4,6-Dinitro-2-methylphenol
Concen: 45.075 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 96448

Ion	Ratio	Lower	Upper
198	100		
51	57.2	33.8	73.8
105	42.1	17.0	57.0

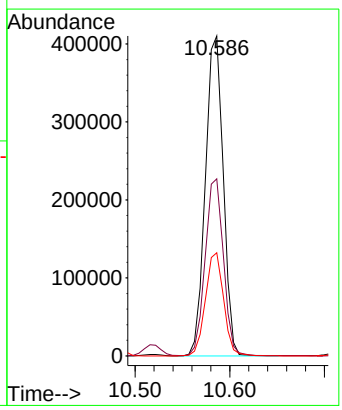


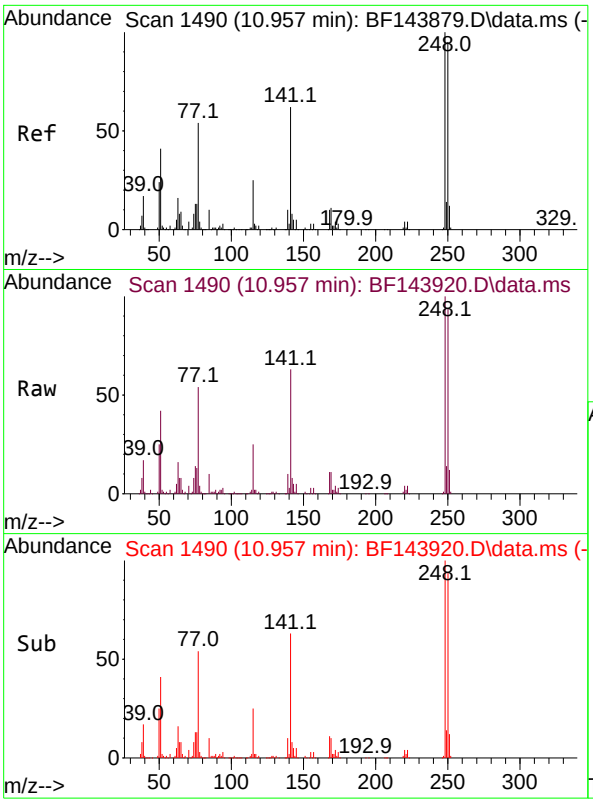


#66
n-Nitrosodiphenylamine
Concen: 40.326 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:169 Resp: 539152

Ion	Ratio	Lower	Upper
169	100		
168	55.3	44.9	67.3
167	32.2	26.3	39.5



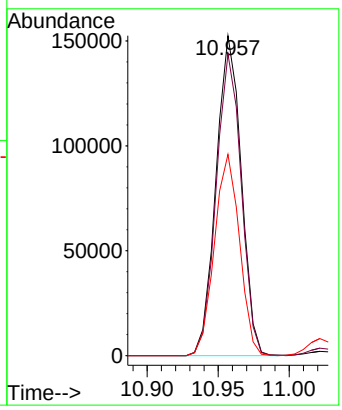


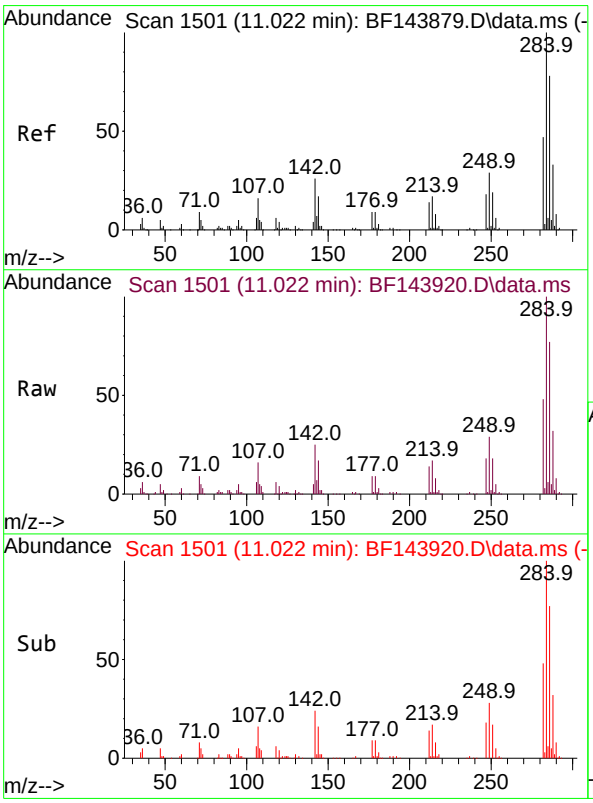
#67
4-Bromophenyl-phenylether
Concen: 39.932 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 187909

Ion	Ratio	Lower	Upper
248	100		
250	94.3	76.3	114.5
141	62.9	49.7	74.5

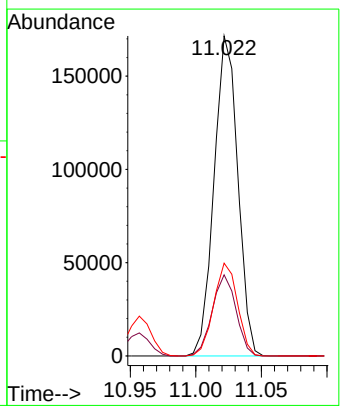


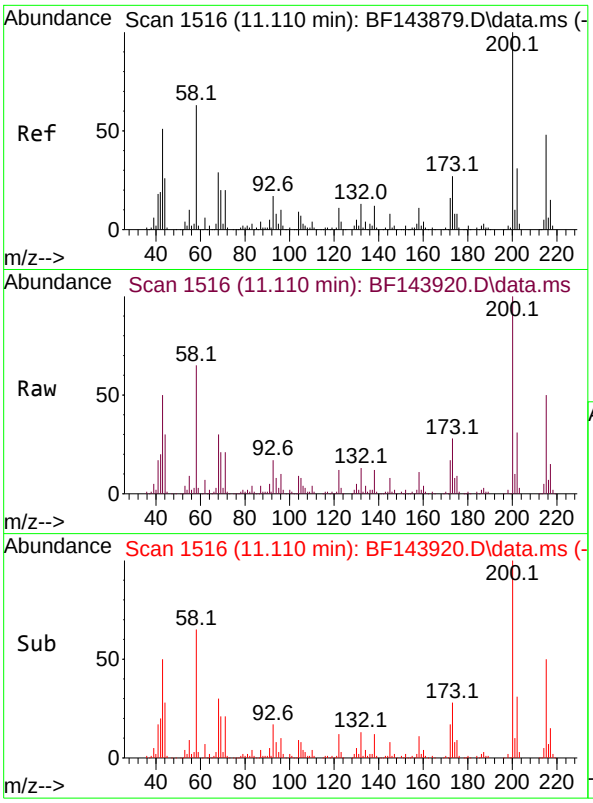


#68
Hexachlorobenzene
Concen: 39.649 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:284 Resp: 216003

Ion	Ratio	Lower	Upper
284	100		
142	25.3	20.6	30.8
249	29.0	23.2	34.8



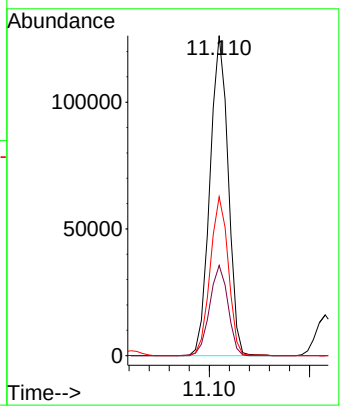


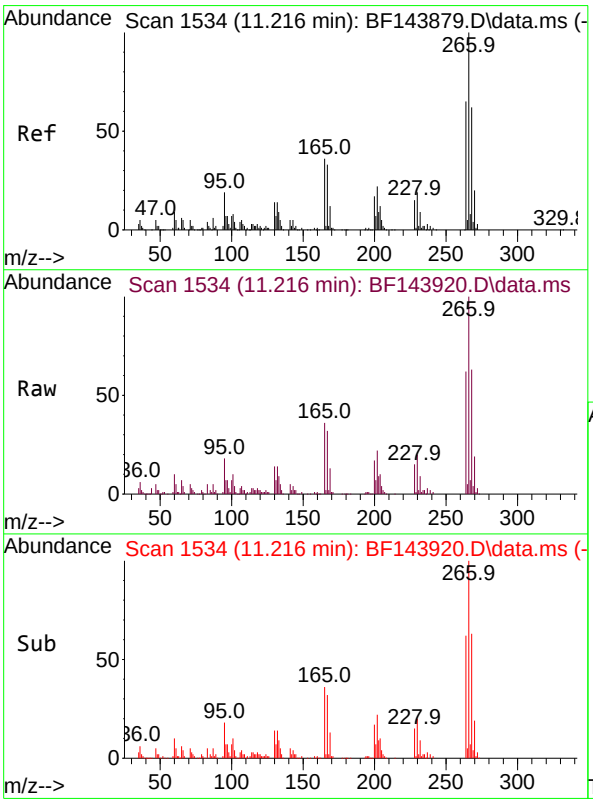
#69
Atrazine
Concen: 39.200 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 158847

Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.0	47.0
215	49.6	27.8	67.8

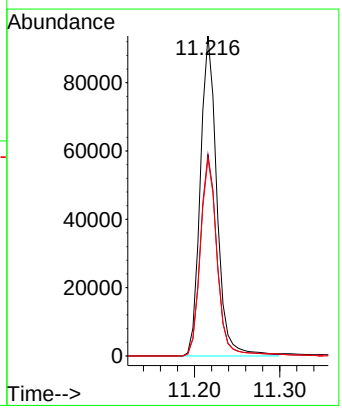


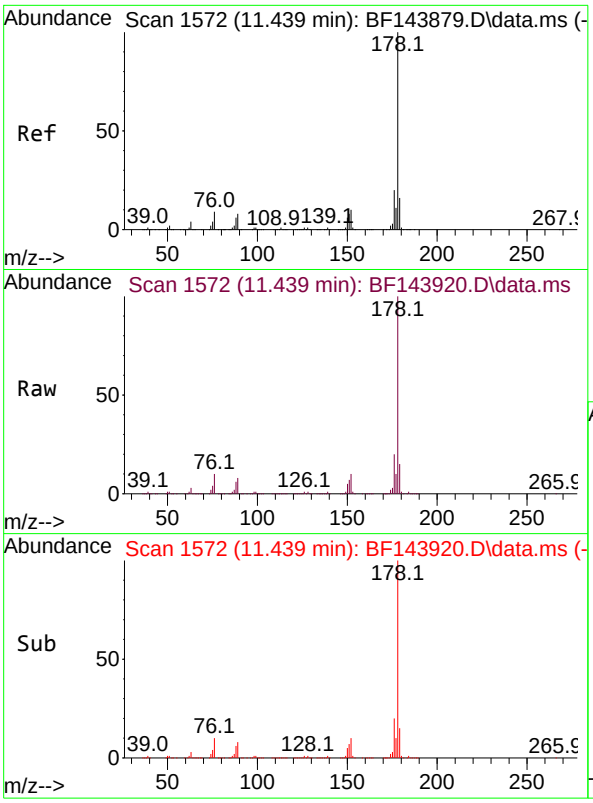


#70
Pentachlorophenol
Concen: 40.455 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:266 Resp: 126577

Ion	Ratio	Lower	Upper
266	100		
268	63.0	49.4	74.0
264	61.6	51.8	77.6



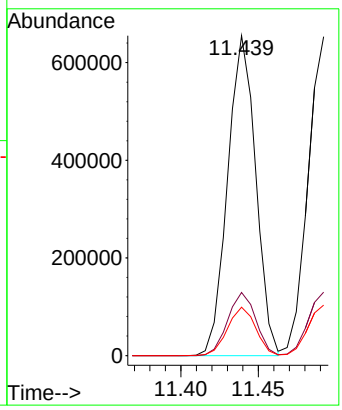


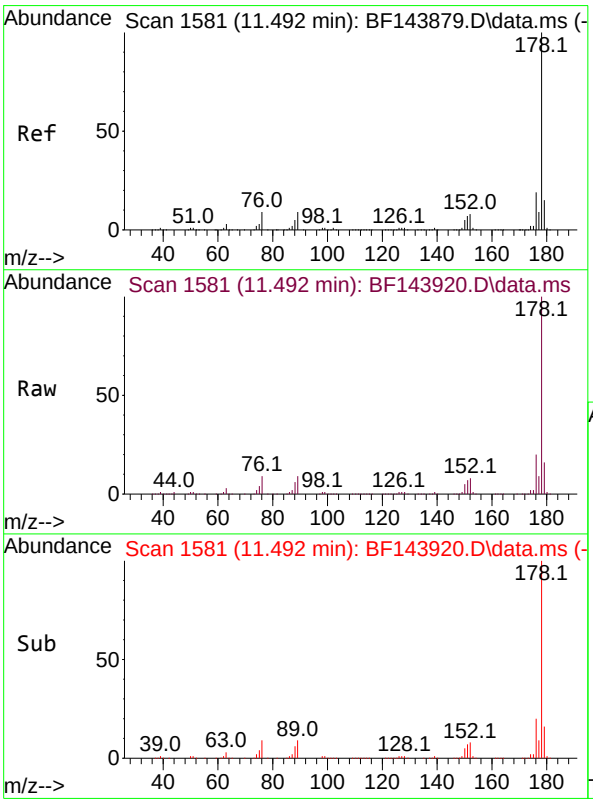
#71
Phenanthrene
Concen: 39.994 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 825590

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.1	12.4	18.6

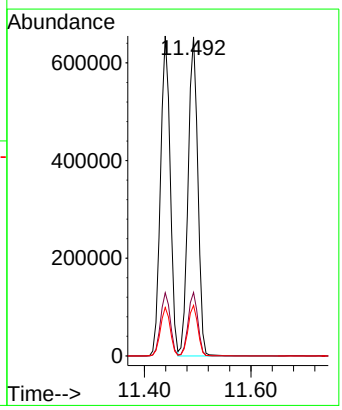


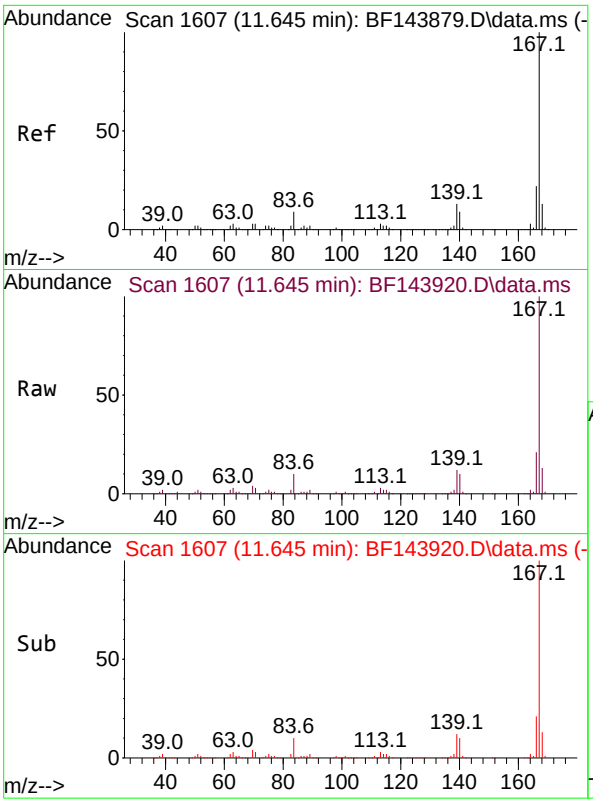


#72
Anthracene
Concen: 39.723 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:178 Resp: 828392

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.9	22.3
179	15.8	12.2	18.2



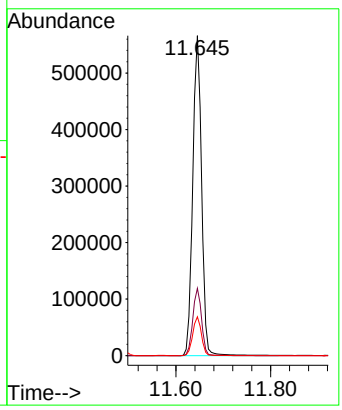


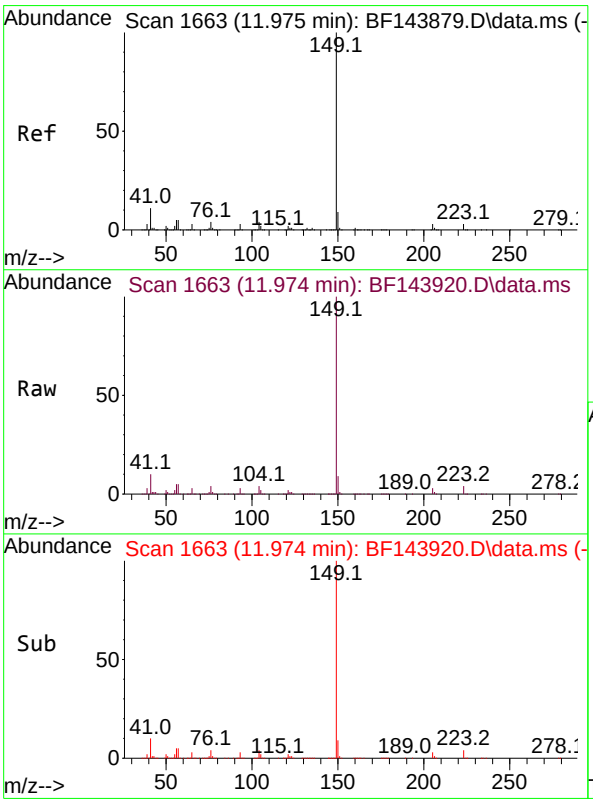
#73
Carbazole
Concen: 39.723 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 733671

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.1	10.1	15.1

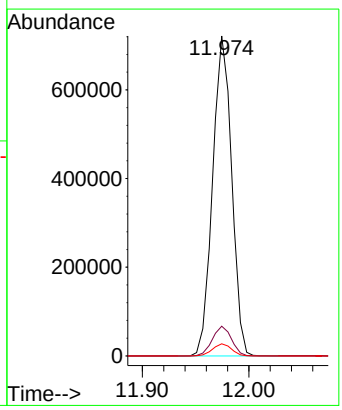


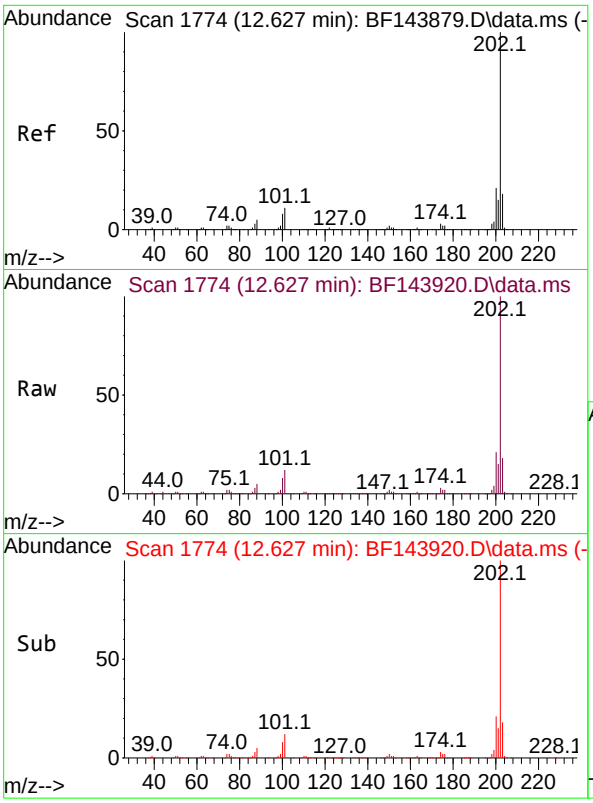


#74
Di-n-butylphthalate
Concen: 41.974 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:149 Resp: 898491

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	3.8	3.4	5.2



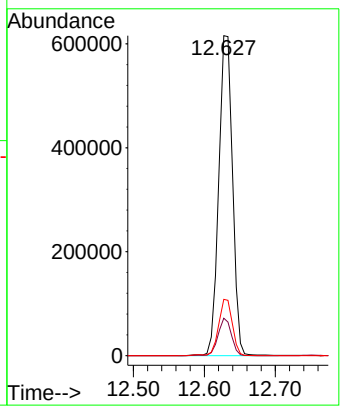


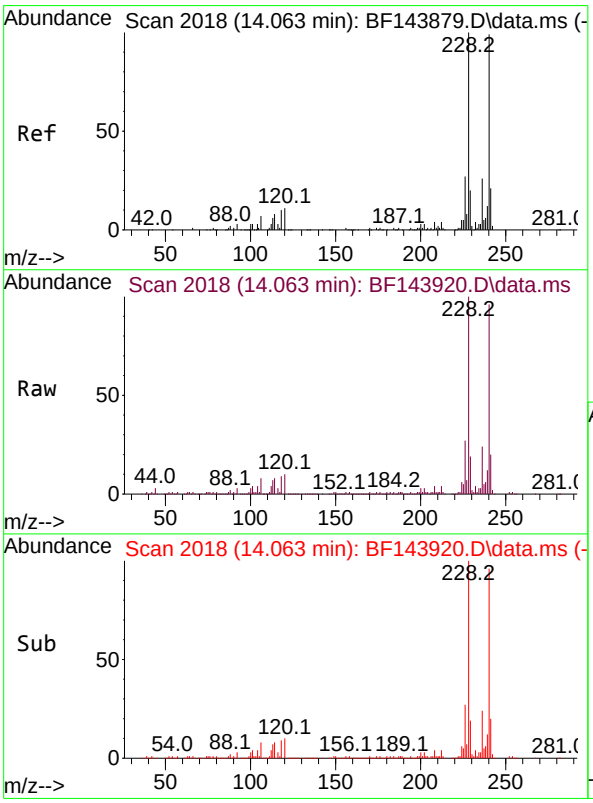
#75
Fluoranthene
Concen: 39.126 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 834267

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	30.7
203	17.6	0.0	37.8

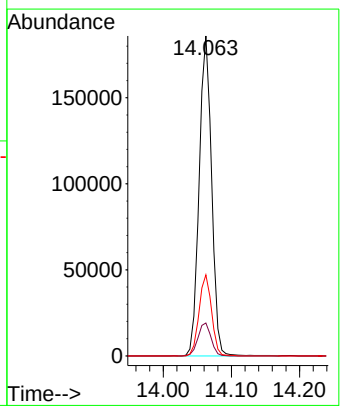


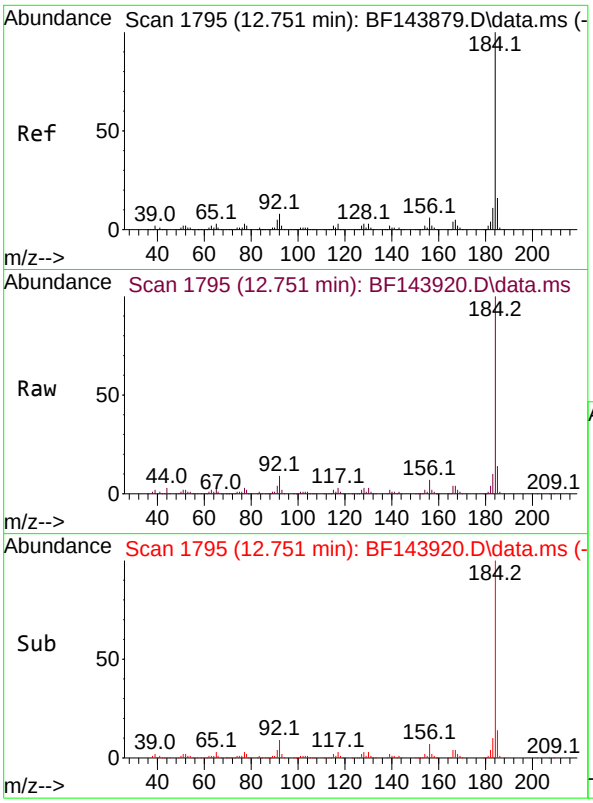


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:240 Resp: 235995

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.6	13.0
236	25.3	21.1	31.7



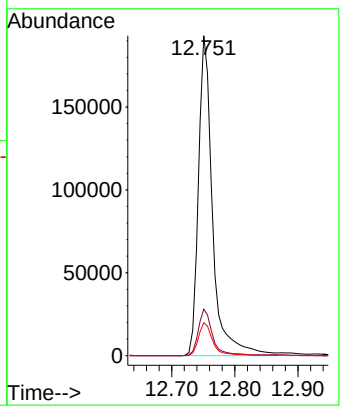


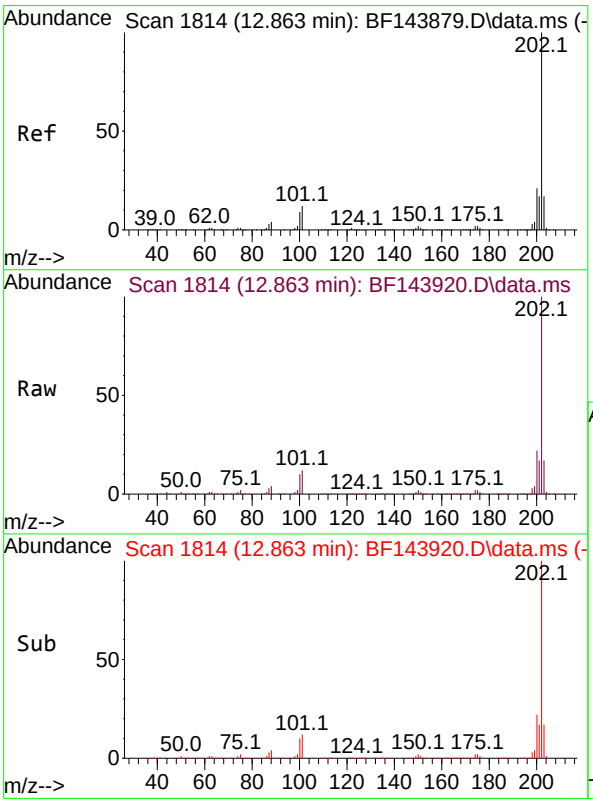
#77
Benzidine
Concen: 36.721 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 300900

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	18.8
183	10.3	8.8	13.2

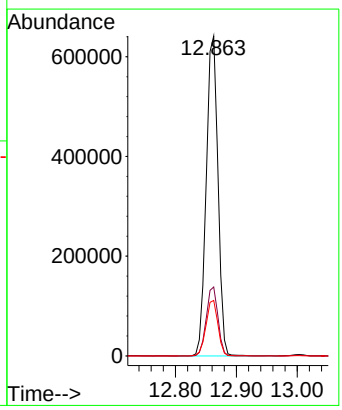


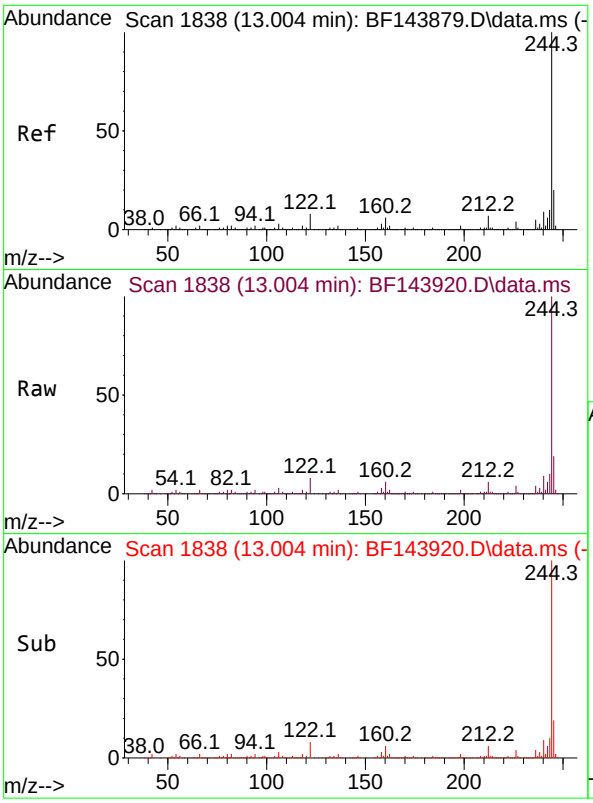


#78
Pyrene
Concen: 43.606 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:202 Resp: 857937

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.3	13.8	20.6



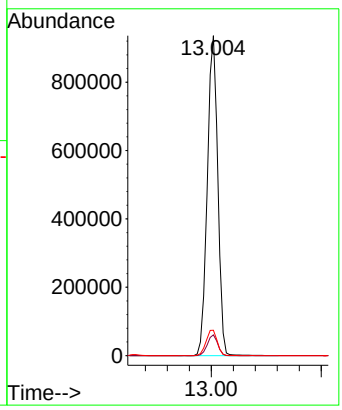


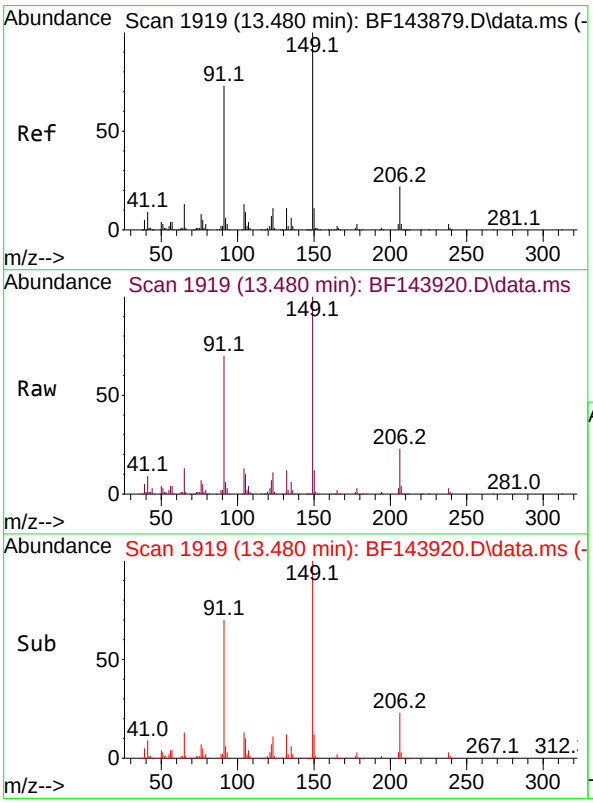
#79
Terphenyl-d14
Concen: 89.700 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1238608

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	7.9	6.4	9.6

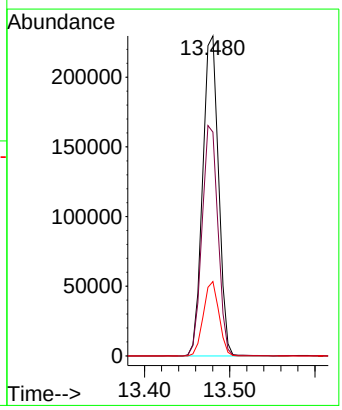


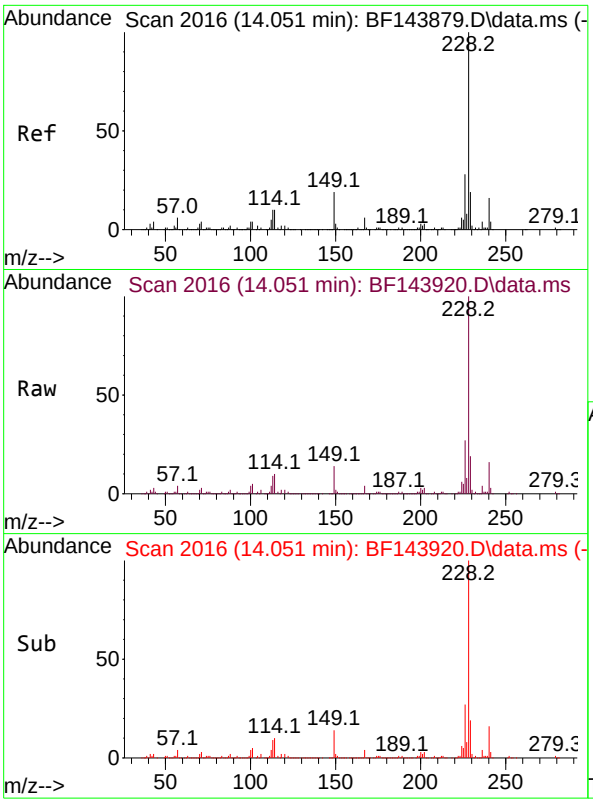


#80
Butylbenzylphthalate
Concen: 46.543 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:149 Resp: 297395

Ion	Ratio	Lower	Upper
149	100		
91	69.9	58.2	87.2
206	23.2	17.9	26.9



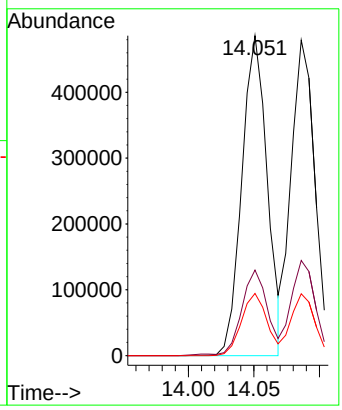


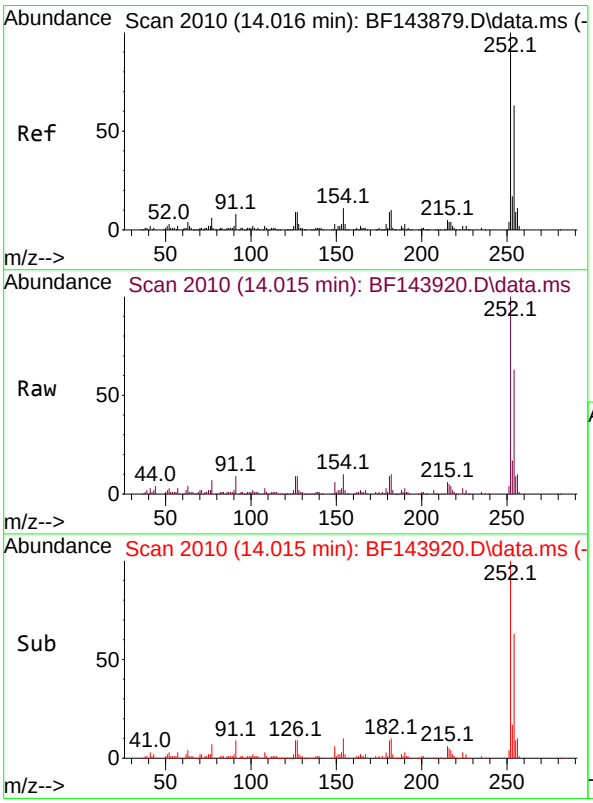
#81
Benzo(a)anthracene
Concen: 42.353 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 654087

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.2
229	19.4	15.6	23.4

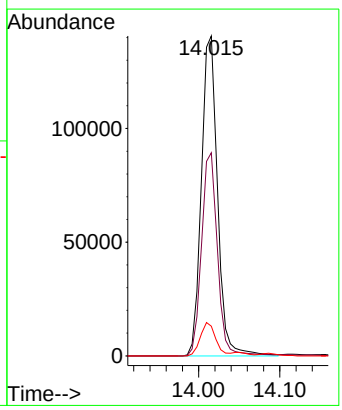


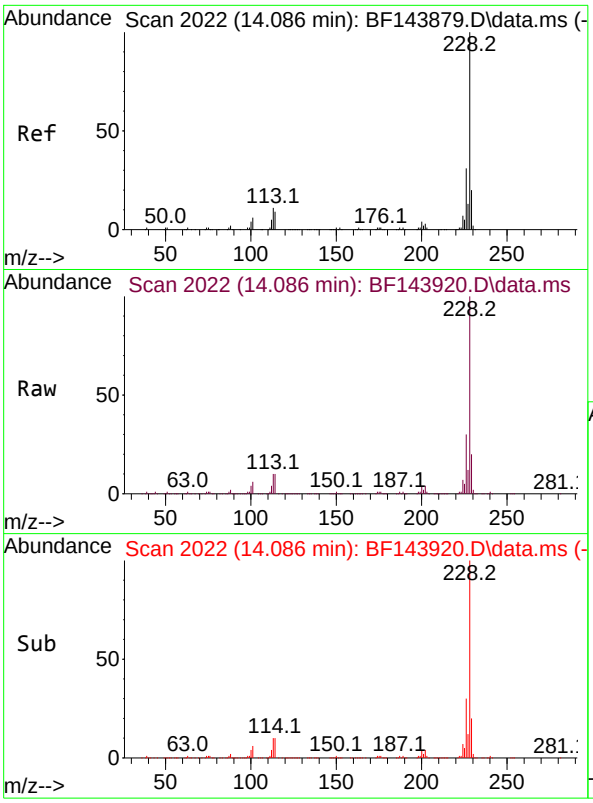


#82
3,3'-Dichlorobenzidine
Concen: 41.385 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:252 Resp: 194778

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.6	76.0
126	9.3	7.0	10.6



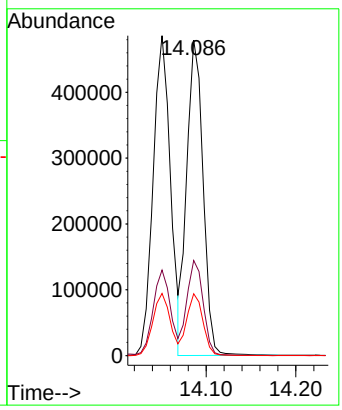


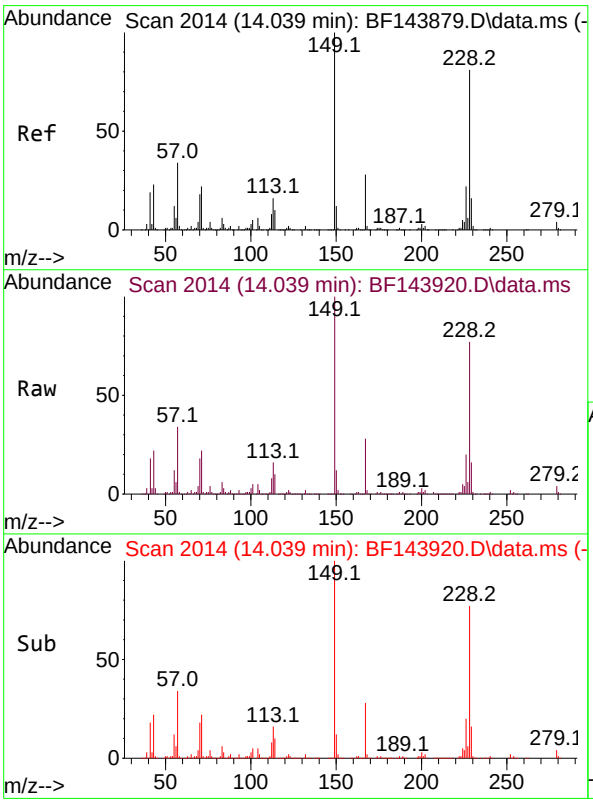
#83
Chrysene
Concen: 42.409 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 606175

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.6	15.9	23.9

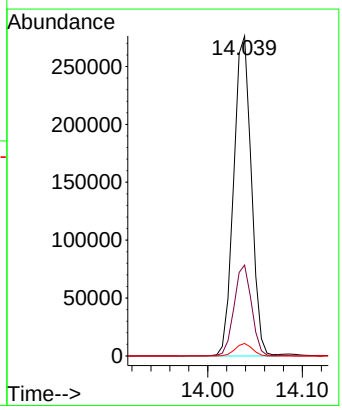


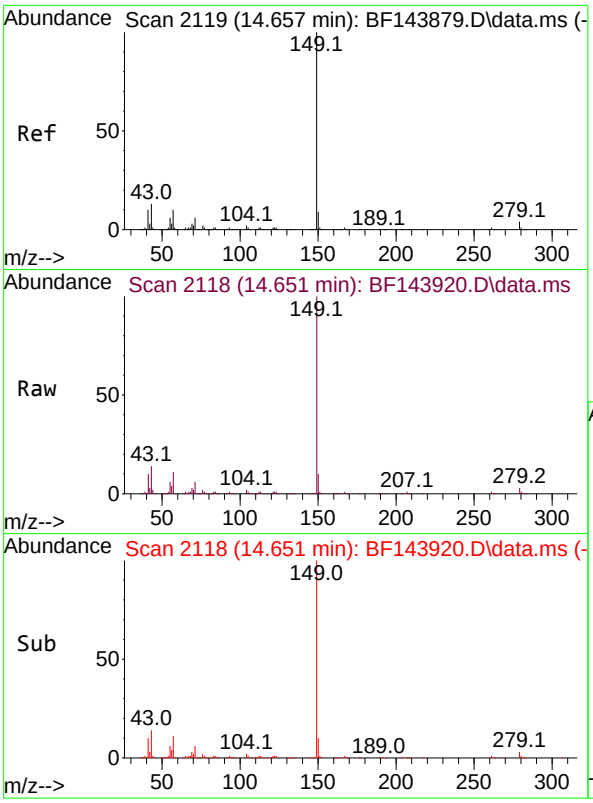


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.508 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:149 Resp: 358224

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	3.9	3.1	4.7



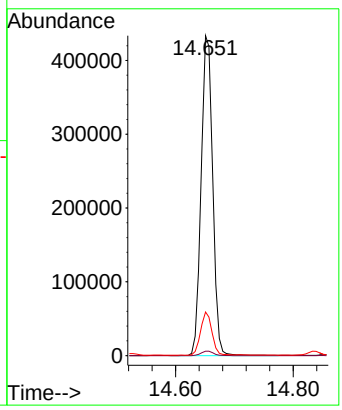


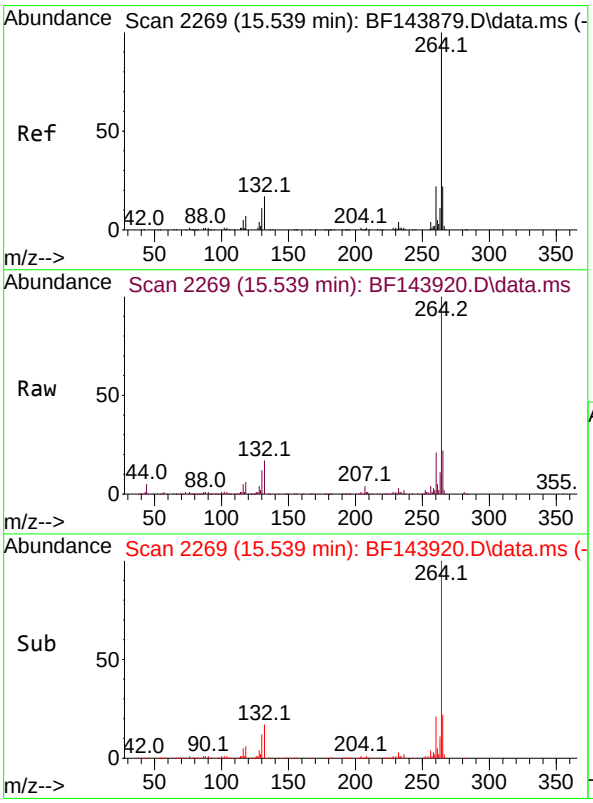
#85
Di-n-octyl phthalate
Concen: 46.826 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 592380

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.2	11.0	16.4

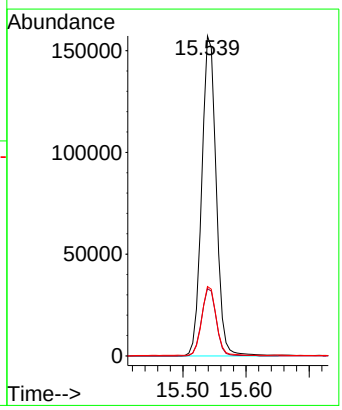


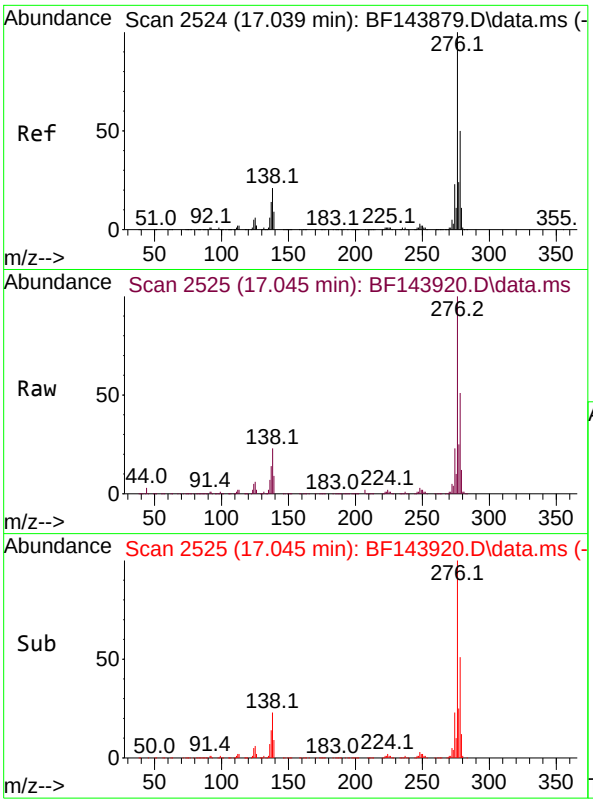


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:264 Resp: 249897

Ion	Ratio	Lower	Upper
264	100		
260	21.1	17.8	26.8
265	21.7	17.5	26.3



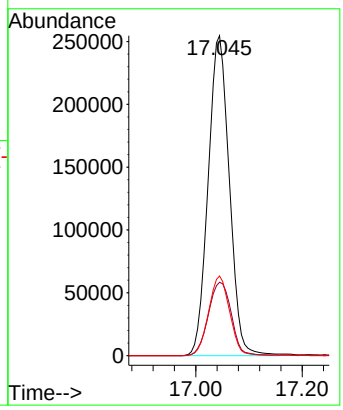


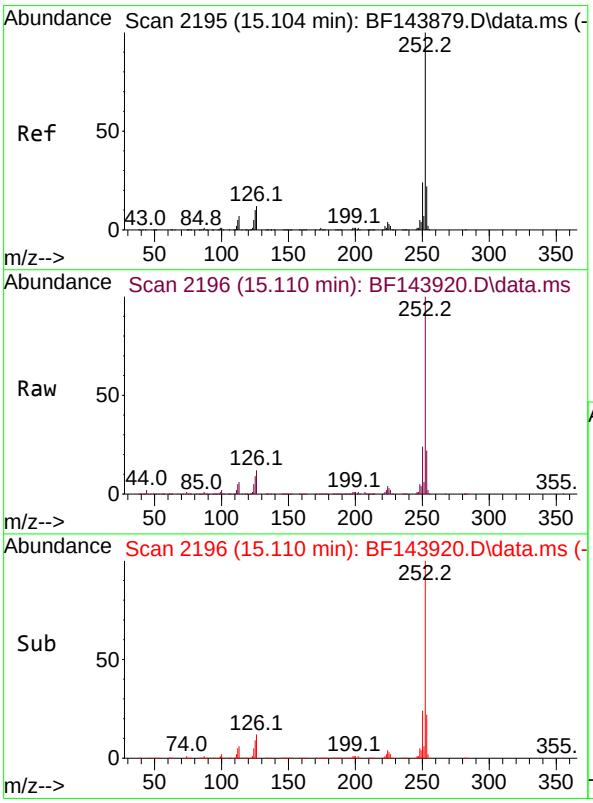
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.896 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 702772

Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.2	27.2
277	24.8	19.8	29.6

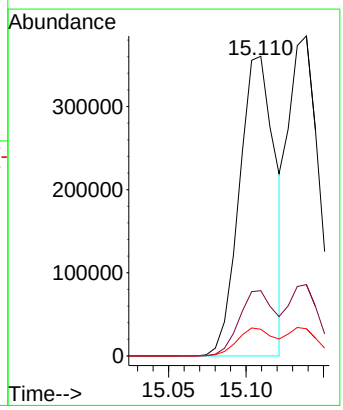


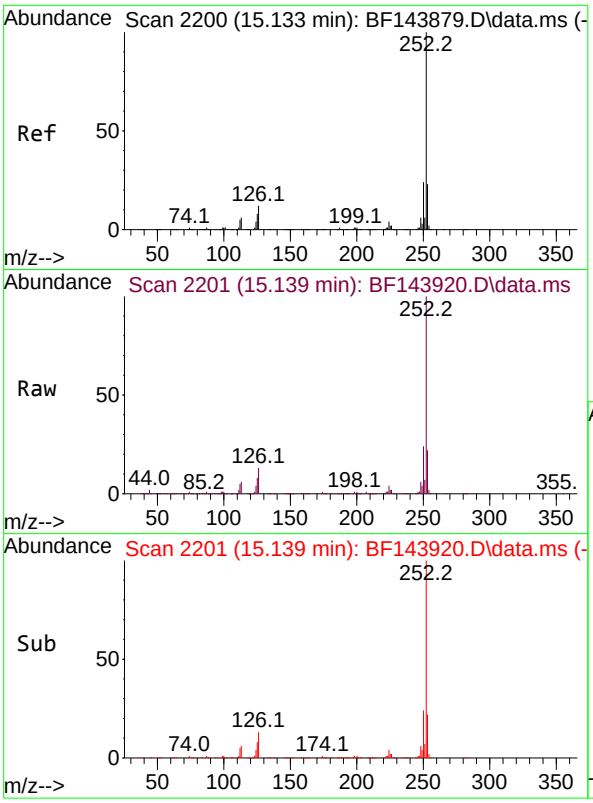


#88
Benzo(b)fluoranthene
Concen: 40.120 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:252 Resp: 575910

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.9	7.8	11.6



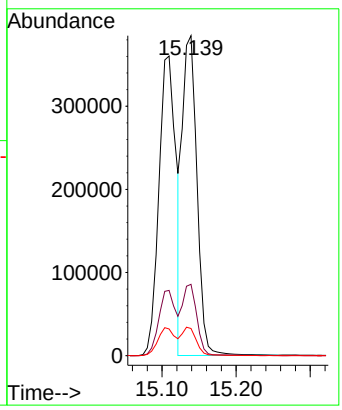


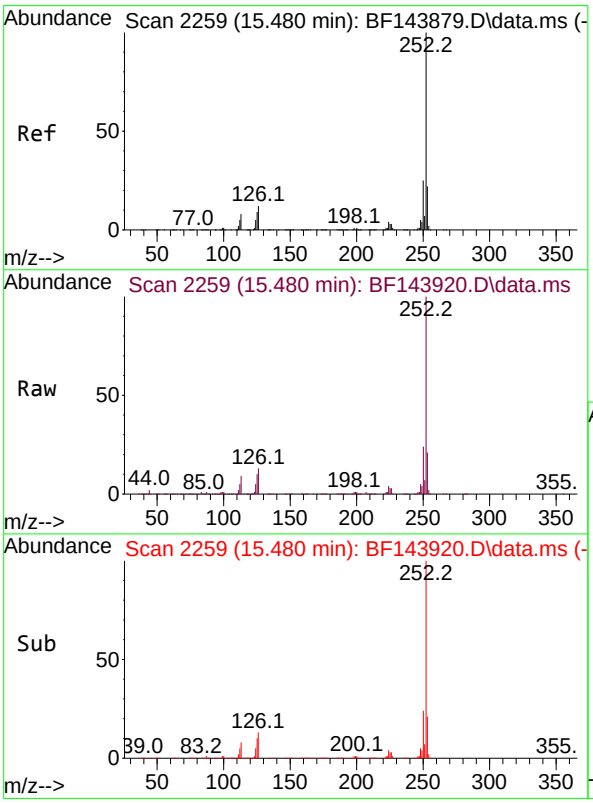
#89
Benzo(k)fluoranthene
Concen: 39.837 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 529146

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.5	7.4	11.2

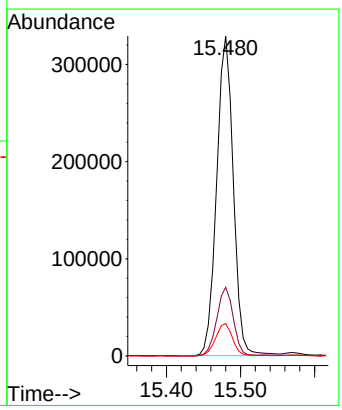


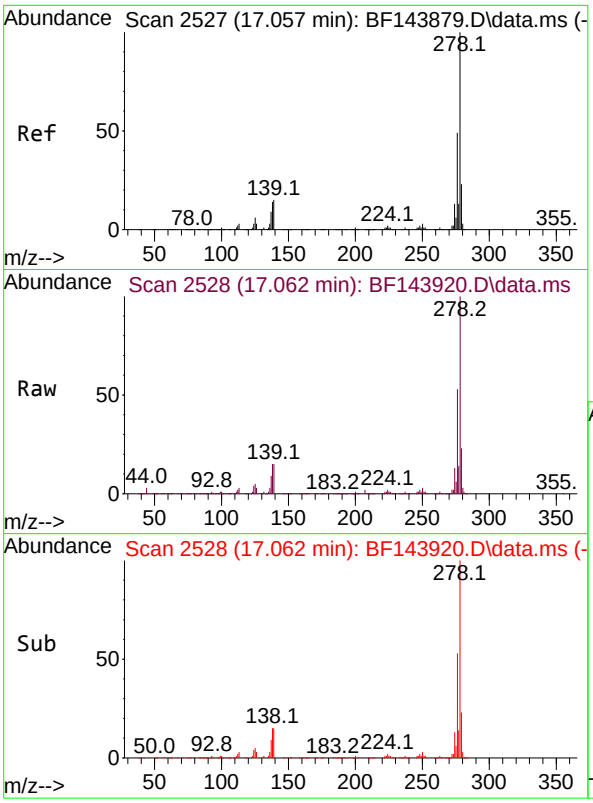


#90
Benzo(a)pyrene
Concen: 41.318 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:252 Resp: 514292

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	10.1	7.0	10.4



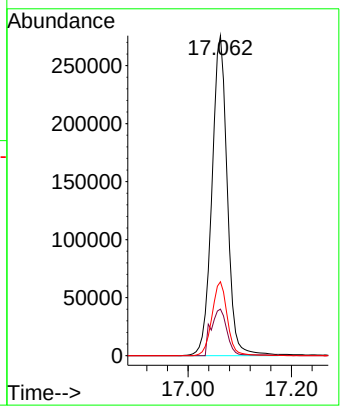


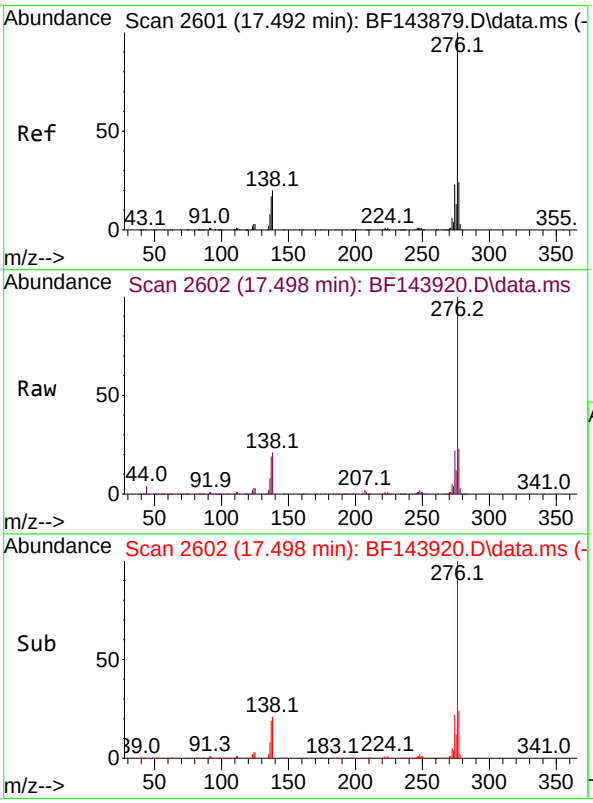
#91
Dibenzo(a,h)anthracene
Concen: 46.200 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 568953

Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.7	17.5
279	23.1	18.4	27.6

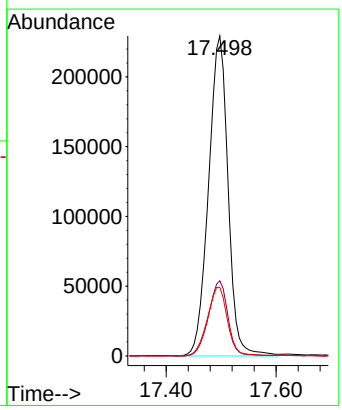




#92
Benzo(g,h,i)perylene
Concen: 45.920 ng
RT: 17.498 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Tgt Ion:276 Resp: 565507

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	21.4	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	92	0.00
2		1,4-Dioxane	40.000	43.873	-9.7	97	-0.02
3		Pyridine	40.000	43.920	-9.8	97	-0.02
4		n-Nitrosodimethylamine	40.000	40.784	-2.0	92	-0.05
5	S	2-Fluorophenol	80.000	85.974	-7.5	95	0.00
6		Aniline	40.000	41.473	-3.7	92	0.00
7	S	Phenol-d6	80.000	83.369	-4.2	93	-0.01
8		2-Chlorophenol	40.000	42.500	-6.3	93	0.00
9		Benzaldehyde	40.000	45.445	-13.6	91	0.00
10	C	Phenol	40.000	44.482	-11.2	100	-0.01
11		bis(2-Chloroethyl)ether	40.000	42.185	-5.5	93	-0.01
12		1,3-Dichlorobenzene	40.000	41.163	-2.9	92	0.00
13	C	1,4-Dichlorobenzene	40.000	42.411	-6.0	95	0.00
14		1,2-Dichlorobenzene	40.000	41.999	-5.0	94	0.00
15		Benzyl Alcohol	40.000	43.961	-9.9	97	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	42.849	-7.1	96	0.00
17		2-Methylphenol	40.000	42.028	-5.1	93	0.00
18		Hexachloroethane	40.000	41.838	-4.6	93	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.033	-2.6	95	-0.02
20		3+4-Methylphenols	40.000	42.474	-6.2	91	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22		Acetophenone	40.000	40.106	-0.3	93	-0.01
23	S	Nitrobenzene-d5	80.000	86.089	-7.6	97	-0.01
24		Nitrobenzene	40.000	43.035	-7.6	95	-0.01
25		Isophorone	40.000	39.650	0.9	92	-0.02
26	C	2-Nitrophenol	40.000	47.508	-18.8	101	0.00
27		2,4-Dimethylphenol	40.000	40.633	-1.6	92	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.645	0.9	93	-0.01
29	C	2,4-Dichlorophenol	40.000	40.702	-1.8	92	0.00
30		1,2,4-Trichlorobenzene	40.000	40.123	-0.3	92	0.00
31		Naphthalene	40.000	39.995	0.0	92	0.00
32		Benzoic acid	40.000	43.673	-9.2	101	-0.05
33		4-Chloroaniline	40.000	40.648	-1.6	92	0.00
34	C	Hexachlorobutadiene	40.000	39.469	1.3	91	0.00
35		Caprolactam	40.000	41.382	-3.5	96	-0.04
36	C	4-Chloro-3-methylphenol	40.000	40.616	-1.5	94	-0.01
37		2-Methylnaphthalene	40.000	39.693	0.8	92	0.00
38		1-Methylnaphthalene	40.000	39.579	1.1	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	94	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.135	-2.8	91	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.008	2.5	82	0.00
42	S	2,4,6-Tribromophenol	80.000	83.037	-3.8	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.519	-3.8	89	0.00
44		2,4,5-Trichlorophenol	40.000	42.002	-5.0	93	-0.01
45	S	2-Fluorobiphenyl	80.000	75.694	5.4	92	0.00
46		1,1'-Biphenyl	40.000	40.042	-0.1	91	0.00
47		2-Chloronaphthalene	40.000	40.581	-1.5	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.917	-12.3	94	0.00
49		Acenaphthylene	40.000	40.546	-1.4	91	0.00
50		Dimethylphthalate	40.000	40.997	-2.5	95	0.00
51		2,6-Dinitrotoluene	40.000	46.471	-16.2	98	-0.01
52	C	Acenaphthene	40.000	40.787	-2.0	93	0.00
53		3-Nitroaniline	40.000	43.499	-8.7	96	-0.01
54	P	2,4-Dinitrophenol	40.000	40.998	-2.5	107	0.00
55		Dibenzofuran	40.000	40.167	-0.4	91	0.00
56	P	4-Nitrophenol	40.000	42.663	-6.7	94	-0.01
57		2,4-Dinitrotoluene	40.000	46.872	-17.2	97	0.00
58		Fluorene	40.000	39.721	0.7	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.710	-4.3	91	0.00
60		Diethylphthalate	40.000	40.559	-1.4	92	0.00
61		4-Chlorophenyl-phenylether	40.000	40.571	-1.4	92	0.00
62		4-Nitroaniline	40.000	43.223	-8.1	97	-0.02
63		Azobenzene	40.000	41.495	-3.7	94	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.075	-12.7	98	-0.02
66	c	n-Nitrosodiphenylamine	40.000	40.326	-0.8	92	0.00
67		4-Bromophenyl-phenylether	40.000	39.932	0.2	91	0.00
68		Hexachlorobenzene	40.000	39.649	0.9	91	0.00
69		Atrazine	40.000	39.200	2.0	92	-0.01
70	C	Pentachlorophenol	40.000	40.455	-1.1	90	0.00
71		Phenanthrene	40.000	39.994	0.0	95	0.00
72		Anthracene	40.000	39.723	0.7	91	0.00
73		Carbazole	40.000	39.723	0.7	93	0.00
74		Di-n-butylphthalate	40.000	41.974	-4.9	96	0.00
75	C	Fluoranthene	40.000	39.126	2.2	91	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	36.721	8.2	78	0.00
78		Pyrene	40.000	43.606	-9.0	90	0.00
79	S	Terphenyl-d14	80.000	89.700	-12.1	95	0.00
80		Butylbenzylphthalate	40.000	46.543	-16.4	94	0.00
81		Benzo(a)anthracene	40.000	42.353	-5.9	92	0.00
82		3,3'-Dichlorobenzidine	40.000	41.385	-3.5	87	0.00
83		Chrysene	40.000	42.409	-6.0	92	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	46.508	-16.3	95	0.00
85	c	Di-n-octyl phthalate	40.000	46.826	-17.1	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	45.896	-14.7	101	-0.01
88		Benzo(b)fluoranthene	40.000	40.120	-0.3	90	0.00
89		Benzo(k)fluoranthene	40.000	39.837	0.4	95	0.00
90	C	Benzo(a)pyrene	40.000	41.318	-3.3	93	0.00
91		Dibenzo(a,h)anthracene	40.000	46.200	-15.5	100	-0.02
92		Benzo(g,h,i)perylene	40.000	45.920	-14.8	101	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	92	0.00
2		1,4-Dioxane	0.583	0.639	-9.6	97	-0.02
3		Pyridine	1.697	1.863	-9.8	97	-0.02
4		n-Nitrosodimethylamine	0.893	0.910	-1.9	92	-0.05
5	S	2-Fluorophenol	1.259	1.354	-7.5	95	0.00
6		Aniline	2.250	2.332	-3.6	92	0.00
7	S	Phenol-d6	1.501	1.564	-4.2	93	-0.01
8		2-Chlorophenol	1.231	1.308	-6.3	93	0.00
9		Benzaldehyde	1.158	1.316	-13.6	91	0.00
10	C	Phenol	1.795	1.996	-11.2	100	-0.01
11		bis(2-Chloroethyl)ether	1.386	1.462	-5.5	93	-0.01
12		1,3-Dichlorobenzene	1.474	1.517	-2.9	92	0.00
13	C	1,4-Dichlorobenzene	1.454	1.541	-6.0	95	0.00
14		1,2-Dichlorobenzene	1.392	1.462	-5.0	94	0.00
15		Benzyl Alcohol	1.125	1.236	-9.9	97	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	3.381	-7.1	96	0.00
17		2-Methylphenol	1.017	1.069	-5.1	93	0.00
18		Hexachloroethane	0.485	0.507	-4.5	93	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	1.054	-2.5	95	-0.02
20		3+4-Methylphenols	1.179	1.252	-6.2	91	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22		Acetophenone	0.423	0.424	-0.2	93	-0.01
23	S	Nitrobenzene-d5	0.329	0.354	-7.6	97	-0.01
24		Nitrobenzene	0.366	0.393	-7.4	95	-0.01
25		Isophorone	0.694	0.688	0.9	92	-0.02
26	C	2-Nitrophenol	0.157	0.186	-18.5	101	0.00
27		2,4-Dimethylphenol	0.282	0.286	-1.4	92	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.435	0.7	93	-0.01
29	C	2,4-Dichlorophenol	0.294	0.299	-1.7	92	0.00
30		1,2,4-Trichlorobenzene	0.289	0.290	-0.3	92	0.00
31		Naphthalene	0.910	0.910	0.0	92	0.00
32		Benzoic acid	0.195	0.213	-9.2	101	-0.05
33		4-Chloroaniline	0.341	0.347	-1.8	92	0.00
34	C	Hexachlorobutadiene	0.201	0.198	1.5	91	0.00
35		Caprolactam	0.093	0.097	-4.3	96	-0.04
36	C	4-Chloro-3-methylphenol	0.282	0.286	-1.4	94	-0.01
37		2-Methylnaphthalene	0.606	0.601	0.8	92	0.00
38		1-Methylnaphthalene	0.588	0.582	1.0	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	94	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.568	-2.7	91	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.224	2.2	82	0.00
42	S	2,4,6-Tribromophenol	0.199	0.207	-4.0	94	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.419	-3.7	89	0.00
44		2,4,5-Trichlorophenol	0.427	0.448	-4.9	93	-0.01
45	S	2-Fluorobiphenyl	1.260	1.193	5.3	92	0.00
46		1,1'-Biphenyl	1.324	1.326	-0.2	91	0.00
47		2-Chloronaphthalene	1.104	1.120	-1.4	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	0.349	0.392	-12.3	94	0.00
49		Acenaphthylene	1.552	1.573	-1.4	91	0.00
50		Dimethylphthalate	1.270	1.302	-2.5	95	0.00
51		2,6-Dinitrotoluene	0.236	0.274	-16.1	98	-0.01
52	C	Acenaphthene	1.017	1.037	-2.0	93	0.00
53		3-Nitroaniline	0.288	0.314	-9.0	96	-0.01
54	P	2,4-Dinitrophenol	0.118	0.135	-14.4	107	0.00
55		Dibenzofuran	1.436	1.442	-0.4	91	0.00
56	P	4-Nitrophenol	0.218	0.233	-6.9	94	-0.01
57		2,4-Dinitrotoluene	0.320	0.375	-17.2	97	0.00
58		Fluorene	1.083	1.076	0.6	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.315	-4.3	91	0.00
60		Diethylphthalate	1.180	1.196	-1.4	92	0.00
61		4-Chlorophenyl-phenylether	0.573	0.581	-1.4	92	0.00
62		4-Nitroaniline	0.277	0.300	-8.3	97	-0.02
63		Azobenzene	1.233	1.279	-3.7	94	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.113	-11.9	98	-0.02
66	c	n-Nitrosodiphenylamine	0.628	0.633	-0.8	92	0.00
67		4-Bromophenyl-phenylether	0.221	0.221	0.0	91	0.00
68		Hexachlorobenzene	0.256	0.254	0.8	91	0.00
69		Atrazine	0.190	0.187	1.6	92	-0.01
70	C	Pentachlorophenol	0.147	0.149	-1.4	90	0.00
71		Phenanthrene	0.970	0.969	0.1	95	0.00
72		Anthracene	0.980	0.973	0.7	91	0.00
73		Carbazole	0.868	0.862	0.7	93	0.00
74		Di-n-butylphthalate	1.005	1.055	-5.0	96	0.00
75	C	Fluoranthene	1.002	0.980	2.2	91	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.694	0.638	8.1	78	0.00
78		Pyrene	1.667	1.818	-9.1	90	0.00
79	S	Terphenyl-d14	1.170	1.312	-12.1	95	0.00
80		Butylbenzylphthalate	0.542	0.630	-16.2	94	0.00
81		Benzo(a)anthracene	1.309	1.386	-5.9	92	0.00
82		3,3'-Dichlorobenzidine	0.399	0.413	-3.5	87	0.00
83		Chrysene	1.211	1.284	-6.0	92	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.759	-16.2	95	0.00
85	c	Di-n-octyl phthalate	1.072	1.255	-17.1	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.406	-14.8	101	-0.01
88		Benzo(b)fluoranthene	1.149	1.152	-0.3	90	0.00
89		Benzo(k)fluoranthene	1.063	1.059	0.4	95	0.00
90	C	Benzo(a)pyrene	0.996	1.029	-3.3	93	0.00
91		Dibenzo(a,h)anthracene	0.986	1.138	-15.4	100	-0.02
92		Benzo(g,h,i)perylene	0.986	1.131	-14.7	101	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG No.: Q3321

Instrument ID: BNA_F Calibration Date/Time: 10/14/2025 13:57

Lab File ID: BF143946.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.310		4.1	
Benzaldehyde	1.158	1.233		6.5	
Phenol-d6	1.501	1.541		2.7	
Phenol	1.795	1.891		5.3	20.0
bis(2-Chloroethyl)ether	1.386	1.423		2.7	
2-Chlorophenol	1.231	1.302		5.8	
2-Methylphenol	1.017	1.014		-0.3	
2,2-oxybis(1-Chloropropane)	3.156	3.174		0.6	
Acetophenone	0.423	0.402		-5.0	
3+4-Methylphenols	1.179	1.146		-2.8	
n-Nitroso-di-n-propylamine	1.028	0.867	0.050	-15.7	
Nitrobenzene-d5	0.329	0.353		7.3	
Hexachloroethane	0.485	0.504		3.9	
Nitrobenzene	0.366	0.387		5.7	
Isophorone	0.694	0.639		-7.9	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.276		-2.1	
bis(2-Chloroethoxy)methane	0.438	0.412		-5.9	
2,4-Dichlorophenol	0.294	0.291		-1.0	20.0
Naphthalene	0.910	0.905		-0.5	
4-Chloroaniline	0.341	0.323		-5.3	
Hexachlorobutadiene	0.201	0.202		0.5	20.0
Caprolactam	0.093	0.086		-7.5	
4-Chloro-3-methylphenol	0.282	0.267		-5.3	20.0
2-Methylnaphthalene	0.606	0.560		-7.6	
Hexachlorocyclopentadiene	0.229	0.197	0.050	-14.0	
2,4,6-Trichlorophenol	0.404	0.405		0.2	20.0
2-Fluorobiphenyl	1.260	1.191		-5.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.324	1.345		1.6	
2-Chloronaphthalene	1.104	1.133		2.6	
2-Nitroaniline	0.349	0.395		13.2	
Dimethylphthalate	1.270	1.296		2.0	
Acenaphthylene	1.552	1.575		1.5	
2,6-Dinitrotoluene	0.236	0.266		12.7	
3-Nitroaniline	0.288	0.309		7.3	
Acenaphthene	1.017	1.027		1.0	20.0
2,4-Dinitrophenol	0.118	0.124	0.050	5.1	
4-Nitrophenol	0.218	0.224	0.050	2.8	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG No.: Q3321

Instrument ID: BNA_F Calibration Date/Time: 10/14/2025 13:57

Lab File ID: BF143946.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.446		0.7	
2,4-Dinitrotoluene	0.320	0.368		15.0	
Diethylphthalate	1.180	1.193		1.1	
4-Chlorophenyl-phenylether	0.573	0.590		3.0	
Fluorene	1.083	1.080		-0.3	
4-Nitroaniline	0.277	0.289		4.3	
4,6-Dinitro-2-methylphenol	0.101	0.116		14.9	
n-Nitrosodiphenylamine	0.628	0.637		1.4	20.0
2,4,6-Tribromophenol	0.199	0.199		0.0	
4-Bromophenyl-phenylether	0.221	0.224		1.4	
Hexachlorobenzene	0.256	0.255		-0.4	
Atrazine	0.190	0.188		-1.1	
Pentachlorophenol	0.147	0.137		-6.8	20.0
Phenanthrene	0.970	0.972		0.2	
Anthracene	0.980	0.988		0.8	
Carbazole	0.868	0.872		0.5	
Di-n-butylphthalate	1.005	1.066		6.1	
Fluoranthene	1.002	0.990		-1.2	20.0
Pyrene	1.667	1.875		12.5	
Terphenyl-d14	1.170	1.334		14.0	
Butylbenzylphthalate	0.542	0.648		19.6	
3,3-Dichlorobenzidine	0.399	0.389		-2.5	
Benzo(a)anthracene	1.309	1.436		9.7	
Chrysene	1.211	1.243		2.6	
Bis(2-ethylhexyl)phthalate	0.653	0.758		16.1	
Di-n-octyl phthalate	1.072	1.165		8.7	20.0
Benzo(b)fluoranthene	1.149	1.180		2.7	
Benzo(k)fluoranthene	1.063	1.025		-3.6	
Benzo(a)pyrene	0.996	1.040		4.4	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.462		19.3	
Dibenzo(a,h)anthracene	0.986	1.156		17.2	
Benzo(g,h,i)perylene	0.986	1.164		18.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.594		7.4	
1,4-Dioxane	0.583	0.641		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.313		3.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	131735	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	483664	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	238586	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	401091	20.000	ng		0.00
76) Chrysene-d12	14.063	240	215371	20.000	ng		0.00
86) Perylene-d12	15.545	264	223666	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	690421	83.226	ng		0.00
7) Phenol-d6	6.510	99	811974	82.116	ng		0.00
23) Nitrobenzene-d5	7.445	82	682662	85.752	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	189633	79.800	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1136532	75.586	ng		0.00
79) Terphenyl-d14	13.004	244	1149086	91.186	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	169001	44.024	ng		96
3) Pyridine	3.399	79	480430	42.990	ng		98
4) n-Nitrosodimethylamine	3.352	42	236372	40.207	ng		94
6) Aniline	6.545	93	588388	39.710	ng		100
8) 2-Chlorophenol	6.669	128	342924	42.289	ng		99
9) Benzaldehyde	6.434	77	324748	42.575	ng		98
10) Phenol	6.522	94	498291m	42.151	ng		
11) bis(2-Chloroethyl)ether	6.616	93	374945	41.059	ng		96
12) 1,3-Dichlorobenzene	6.822	146	385674	39.733	ng		99
13) 1,4-Dichlorobenzene	6.904	146	389372	40.666	ng		99
14) 1,2-Dichlorobenzene	7.051	146	376141	41.014	ng		99
15) Benzyl Alcohol	7.022	79	296222	39.983	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	836311	40.234	ng		99
17) 2-Methylphenol	7.134	107	267271	39.882	ng		99
18) Hexachloroethane	7.398	117	132810	41.592	ng		96
19) n-Nitroso-di-n-propyla...	7.298	70	228389	33.743	ng		99
20) 3+4-Methylphenols	7.287	107	301950	38.875	ng	#	86
22) Acetophenone	7.292	105	389320	38.069	ng		97
24) Nitrobenzene	7.469	77	374413	42.351	ng		98
25) Isophorone	7.704	82	618157	36.826	ng		100
26) 2-Nitrophenol	7.781	139	174296	45.985	ng		98
27) 2,4-Dimethylphenol	7.816	122	267205	39.190	ng		98
28) bis(2-Chloroethoxy)met...	7.916	93	398619	37.593	ng		99
29) 2,4-Dichlorophenol	8.022	162	281062	39.575	ng		97
30) 1,2,4-Trichlorobenzene	8.110	180	292262	41.843	ng		99
31) Naphthalene	8.192	128	875804	39.806	ng		100
32) Benzoic acid	7.922	122	173523	36.773	ng		93
33) 4-Chloroaniline	8.234	127	312547	37.877	ng		98
34) Hexachlorobutadiene	8.304	225	195169	40.211	ng		99
35) Caprolactam	8.610	113	83372	36.920	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	257833	37.794	ng		99
37) 2-Methylnaphthalene	8.881	142	541743	36.965	ng		99
38) 1-Methylnaphthalene	8.981	142	514512	36.193	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	283503	42.993	ng		99
41) Hexachlorocyclopentadiene	9.034	237	93838	34.302	ng		97
43) 2,4,6-Trichlorophenol	9.157	196	193277	40.115	ng		96

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
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Supervised By :mohammad ahmed 10/17/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.198	196	211314	41.502	ng		99
46)	1,1'-Biphenyl	9.345	154	641629	40.618	ng		99
47)	2-Chloronaphthalene	9.369	162	540831	41.064	ng		97
48)	2-Nitroaniline	9.463	65	188709	45.320	ng		98
49)	Acenaphthylene	9.786	152	751334	40.578	ng		99
50)	Dimethylphthalate	9.639	163	618312	40.809	ng		99
51)	2,6-Dinitrotoluene	9.704	165	126824	45.141	ng		98
52)	Acenaphthene	9.957	154	490216	40.405	ng		99
53)	3-Nitroaniline	9.875	138	147312	42.822	ng		96
54)	2,4-Dinitrophenol	9.981	184	59081	38.075	ng		97
55)	Dibenzofuran	10.133	168	690158	40.297	ng		98
56)	4-Nitrophenol	10.033	139	106964	41.065	ng		97
57)	2,4-Dinitrotoluene	10.110	165	175714	45.966	ng		97
58)	Fluorene	10.475	166	515449	39.886	ng		98
59)	2,3,4,6-Tetrachlorophenol	10.245	232	149408	41.453	ng	#	97
60)	Diethylphthalate	10.345	149	569179	40.437	ng		99
61)	4-Chlorophenyl-phenyle...	10.469	204	281308	41.172	ng		100
62)	4-Nitroaniline	10.492	138	137840	41.668	ng		97
63)	Azobenzene	10.628	77	623168	42.361	ng		98
65)	4,6-Dinitro-2-methylph...	10.522	198	92947	46.114	ng		97
66)	n-Nitrosodiphenylamine	10.586	169	510617	40.545	ng		99
67)	4-Bromophenyl-phenylether	10.957	248	179555	40.507	ng		99
68)	Hexachlorobenzene	11.022	284	204767	39.902	ng		98
69)	Atrazine	11.110	200	150571	39.446	ng		99
70)	Pentachlorophenol	11.216	266	110105	37.358	ng		98
71)	Phenanthrene	11.439	178	779766	40.101	ng		100
72)	Anthracene	11.492	178	792245	40.330	ng		99
73)	Carbazole	11.645	167	699298	40.194	ng		99
74)	Di-n-butylphthalate	11.975	149	855352	42.420	ng		99
75)	Fluoranthene	12.633	202	794413	39.552	ng		99
77)	Benzidine	12.757	184	253067	33.841	ng		98
78)	Pyrene	12.863	202	807540	44.975	ng		100
80)	Butylbenzylphthalate	13.480	149	279216	47.883	ng		100
81)	Benzo(a)anthracene	14.057	228	618496	43.884	ng		99
82)	3,3'-Dichlorobenzidine	14.016	252	167715	39.048	ng		98
83)	Chrysene	14.092	228	535510	41.053	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.039	149	326413	46.436	ng		100
85)	Di-n-octyl phthalate	14.657	149	501872	43.470	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.051	276	654042	47.723	ng		97
88)	Benzo(b)fluoranthene	15.110	252	527965	41.093	ng		99
89)	Benzo(k)fluoranthene	15.139	252	458608	38.576	ng		99
90)	Benzo(a)pyrene	15.486	252	465078	41.746	ng	#	98
91)	Dibenzo(a,h)anthracene	17.068	278	516947	46.900	ng		97
92)	Benzo(g,h,i)perylene	17.509	276	520481	47.220	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
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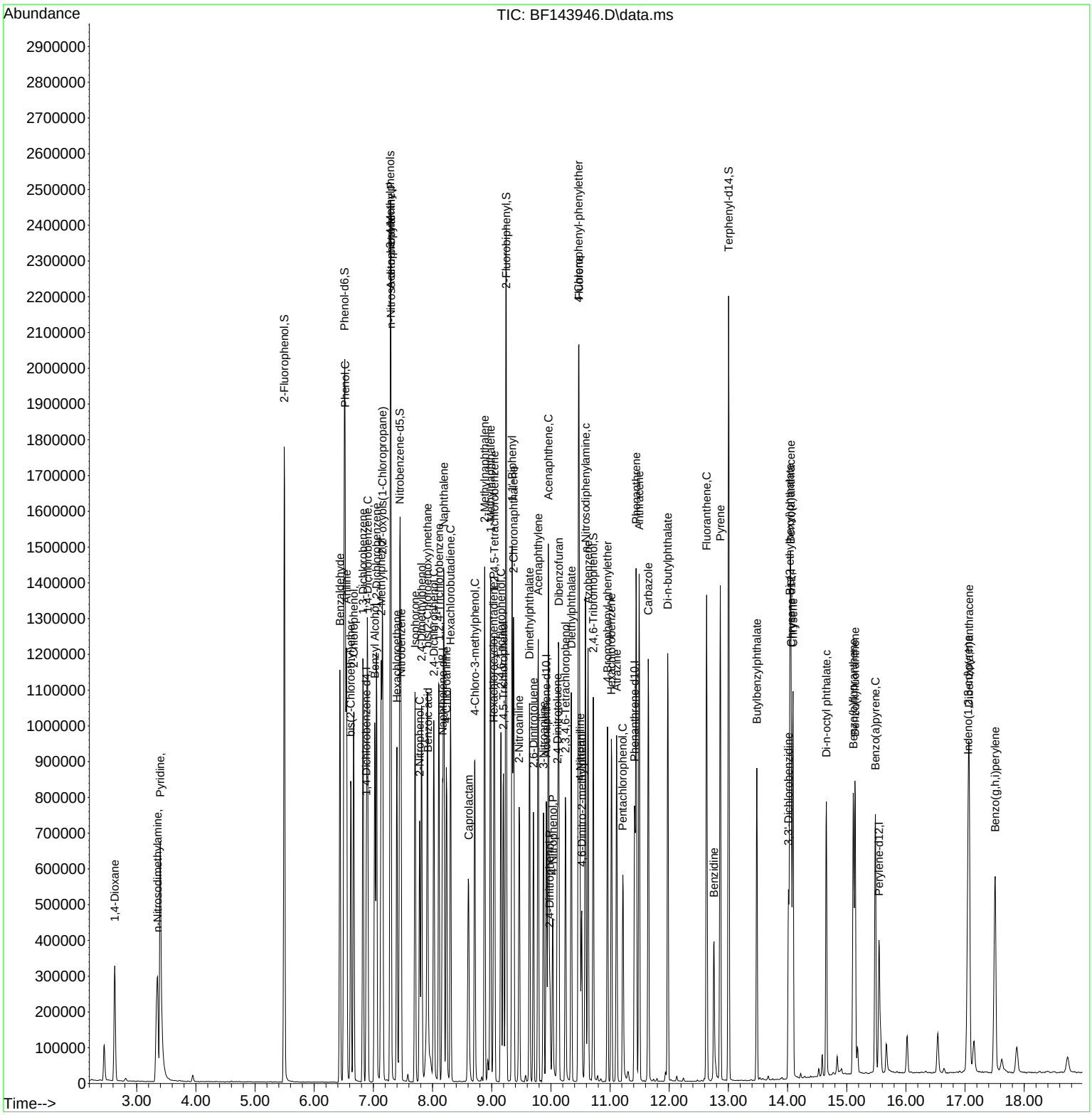
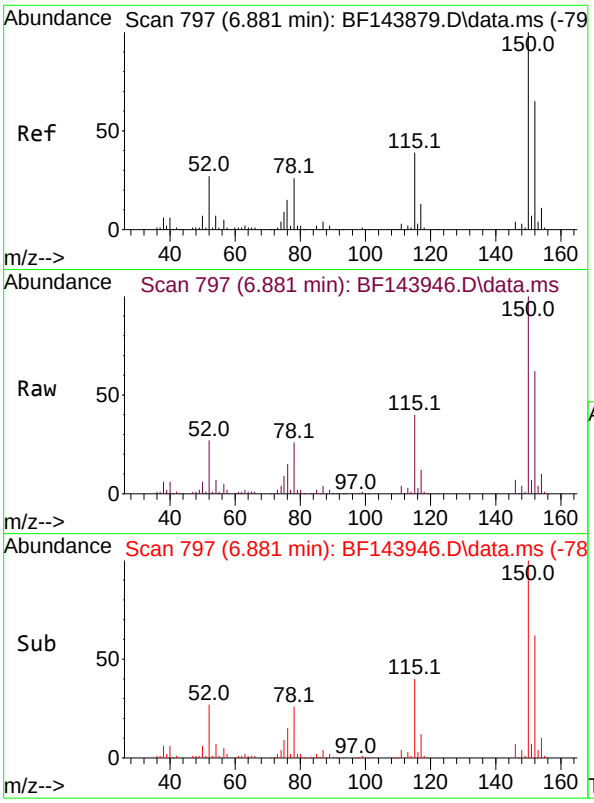
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

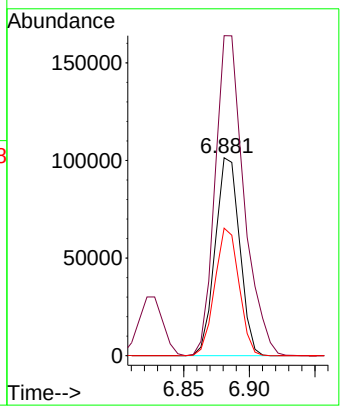




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:152 Resp: 13173

Ion	Ratio	Lower	Upper
152	100		
150	161.8	124.4	186.6
115	64.4	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

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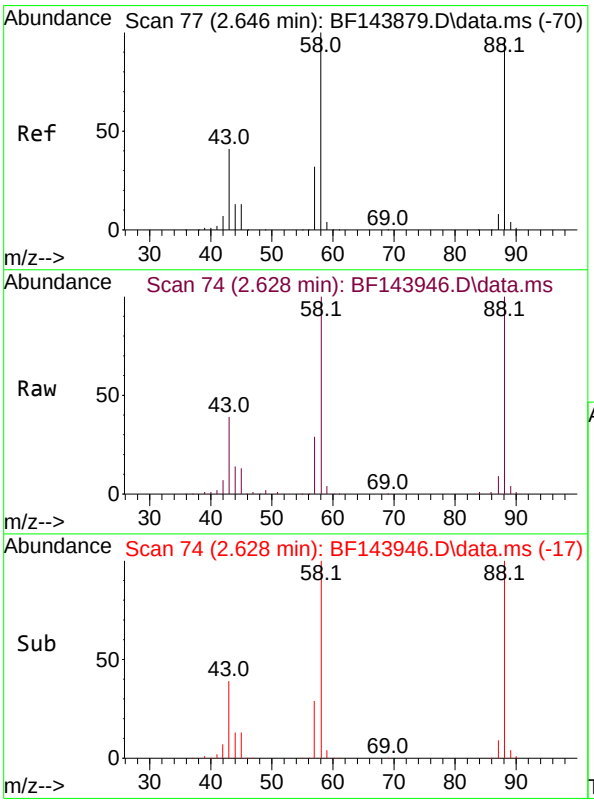
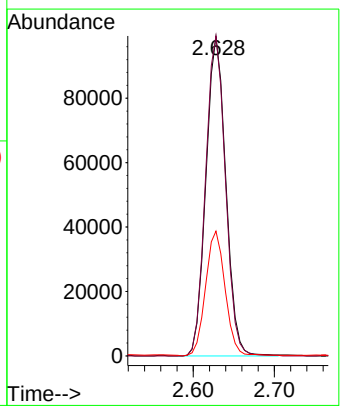
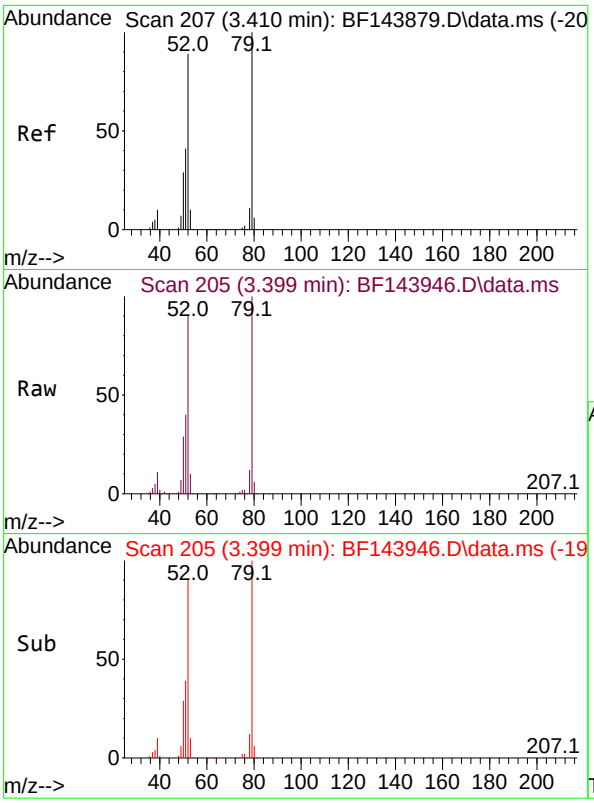


#2
1,4-Dioxane
Concen: 44.024 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 88 Resp: 169001

Ion	Ratio	Lower	Upper
88	100		
58	99.9	83.0	124.6
43	38.6	33.9	50.9

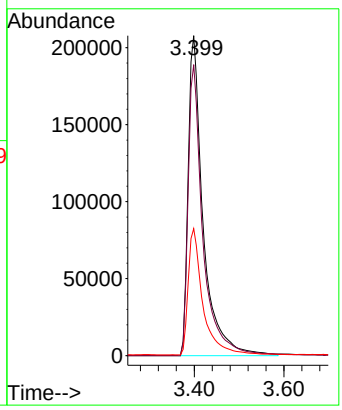




#3
Pyridine
Concen: 42.990 ng
RT: 3.399 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 79 Resp: 48043

Ion	Ratio	Lower	Upper
79	100		
52	90.9	71.5	107.3
51	39.7	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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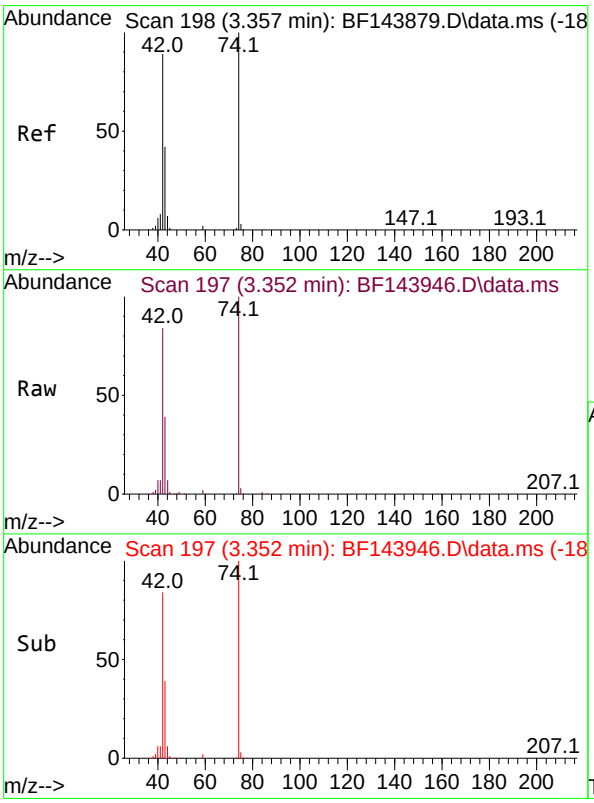
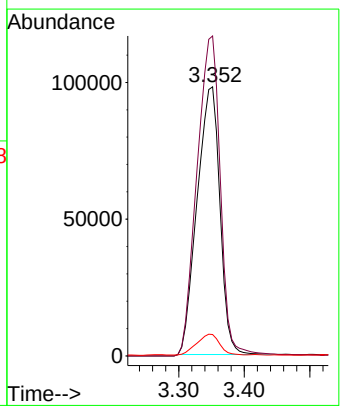
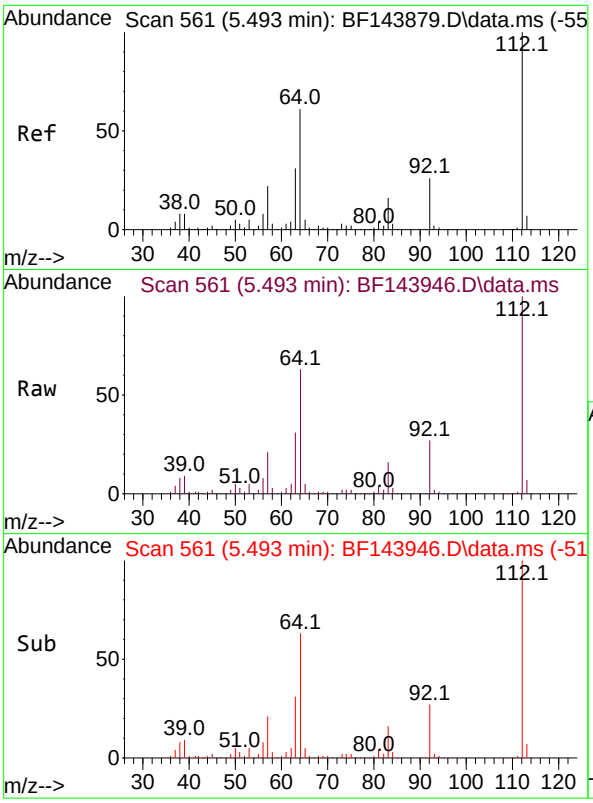


#4
n-Nitrosodimethylamine
Concen: 40.207 ng
RT: 3.352 min Scan# 197
Delta R.T. -0.035 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 42 Resp: 236372

Ion	Ratio	Lower	Upper
42	100		
74	118.9	90.0	135.0
44	7.9	6.2	9.2





#5
2-Fluorophenol
Concen: 83.226 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:112 Resp: 69042

Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.1	73.7
63	30.6	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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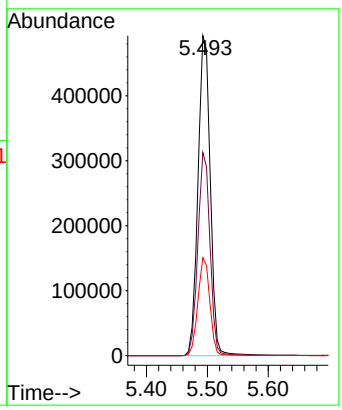
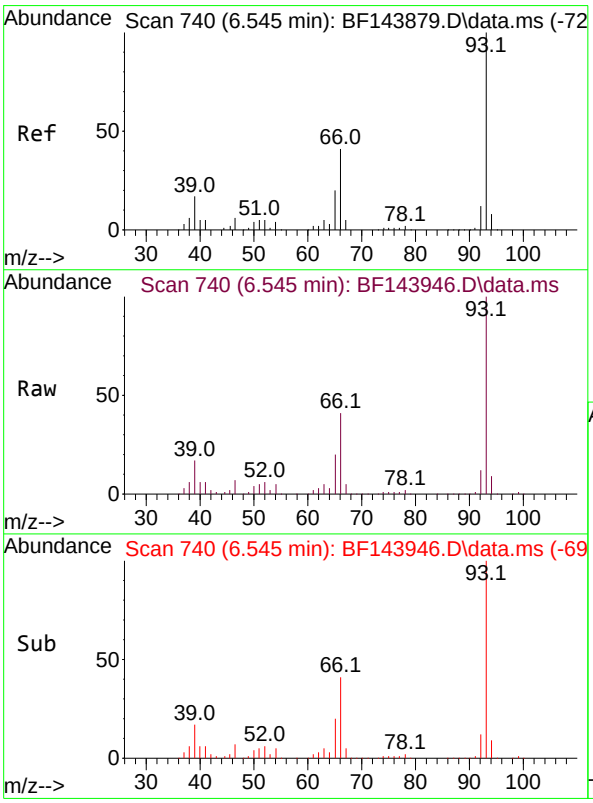
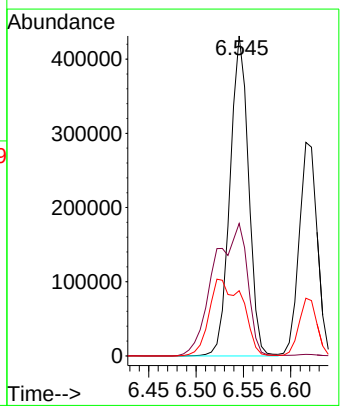


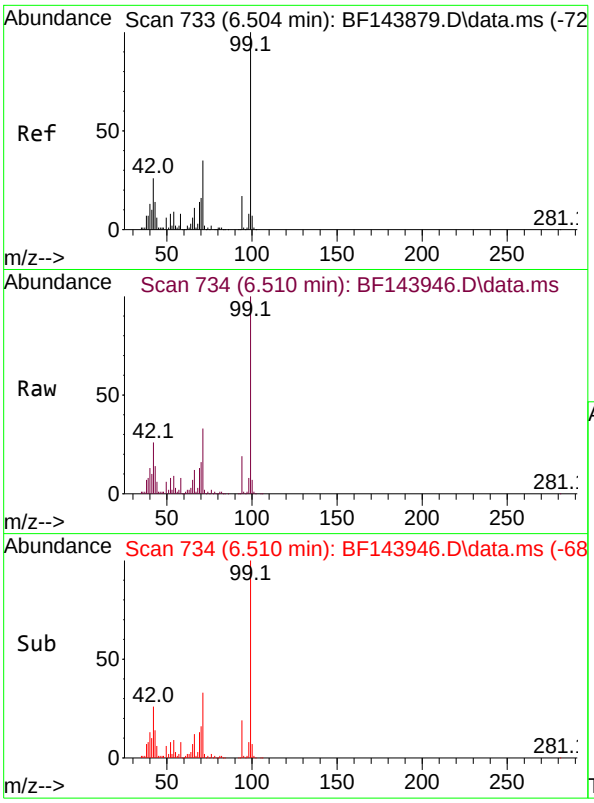


#6
Aniline
Concen: 39.710 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 93 Resp: 588388

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.0	49.6
65	20.4	15.8	23.8

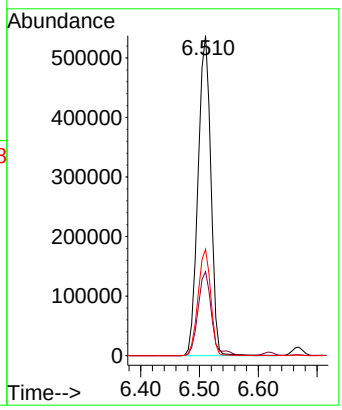




#7
Phenol-d6
Concen: 82.116 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 99 Resp: 81197

Ion	Ratio	Lower	Upper
99	100		
42	26.2	21.0	31.4
71	33.2	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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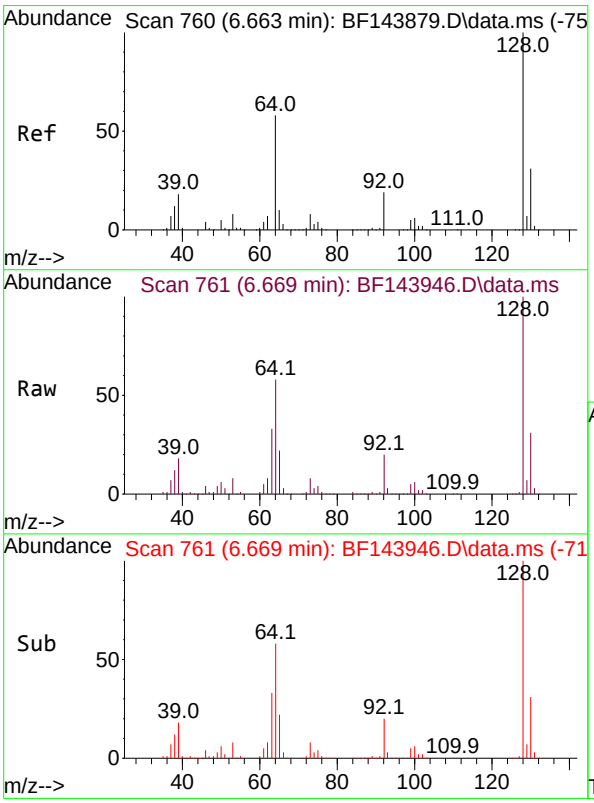
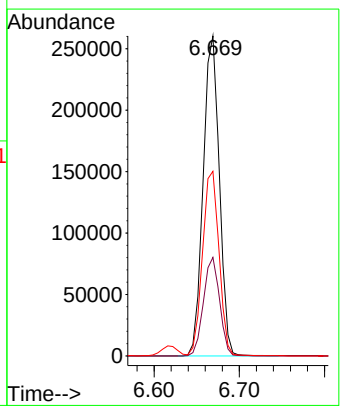
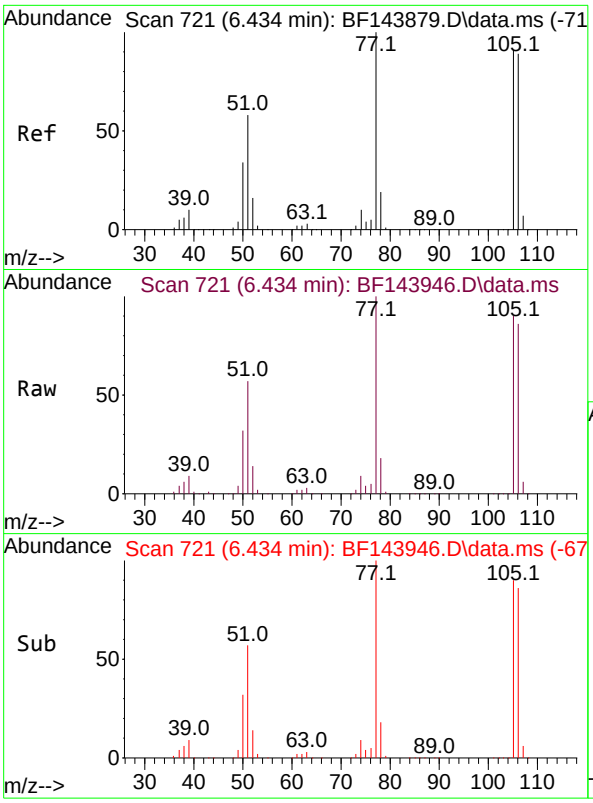


#8
2-Chlorophenol
Concen: 42.289 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:128 Resp: 342924

Ion	Ratio	Lower	Upper
128	100		
130	30.8	10.7	50.7
64	57.7	39.0	79.0

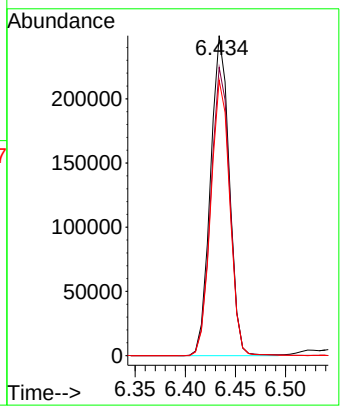




#9
Benzaldehyde
Concen: 42.575 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 77 Resp: 32474

Ion	Ratio	Lower	Upper
77	100		
105	90.1	70.9	110.9
106	86.0	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
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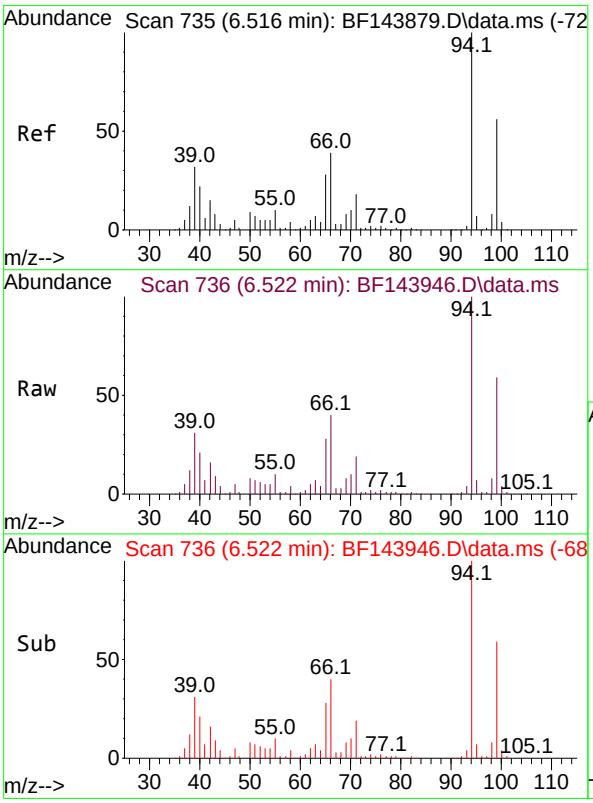
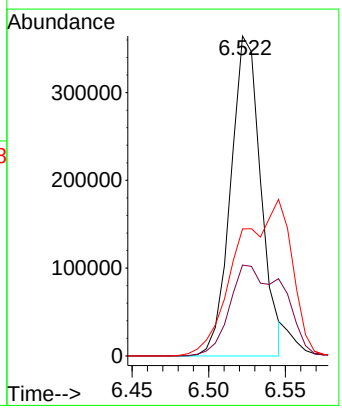
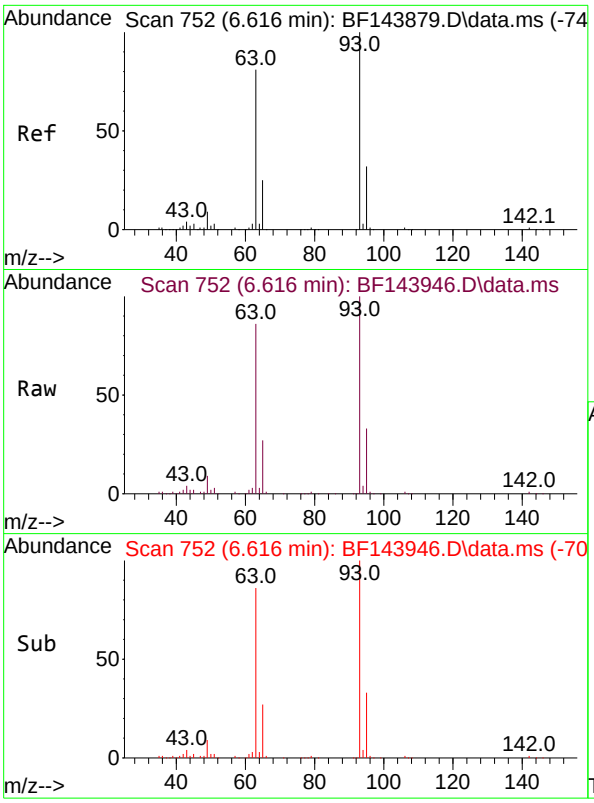


#10
Phenol
Concen: 42.151 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 94 Resp: 498291

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.5	48.5
66	39.7	19.9	59.9

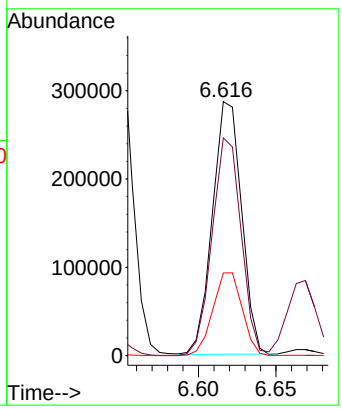




#11
bis(2-Chloroethyl)ether
Concen: 41.059 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 93 Resp: 37494

Ion	Ratio	Lower	Upper
93	100		
63	85.7	60.9	100.9
95	32.6	11.5	51.5



Instrument :
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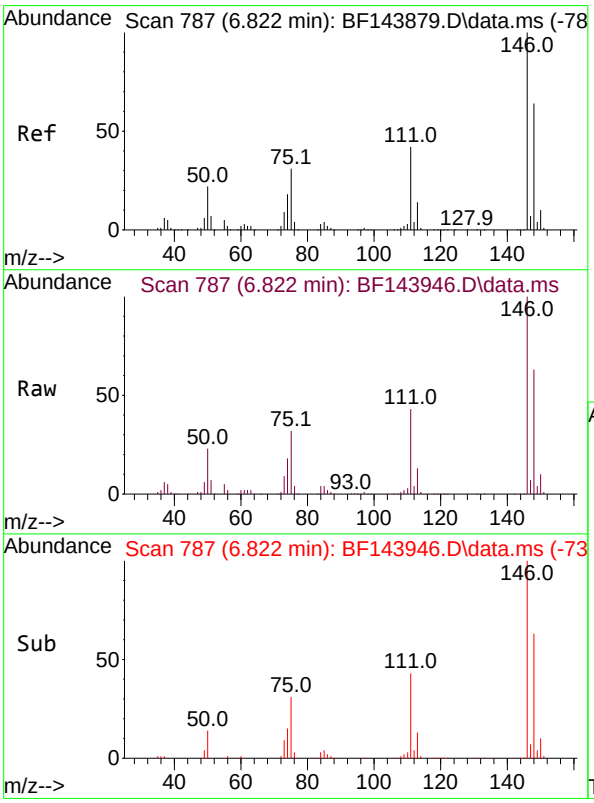
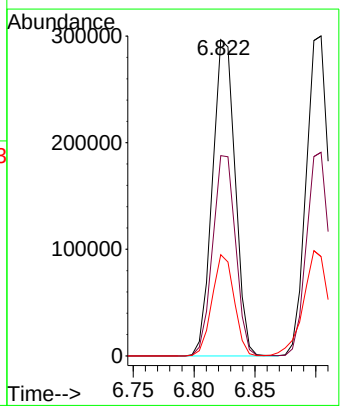
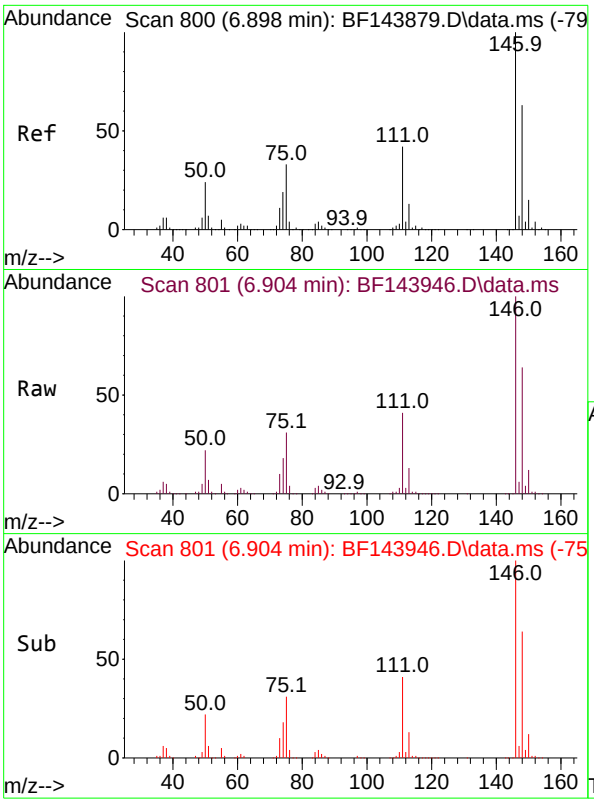


#12
1,3-Dichlorobenzene
Concen: 39.733 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:146 Resp: 385674

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.4
75	32.0	24.9	37.3

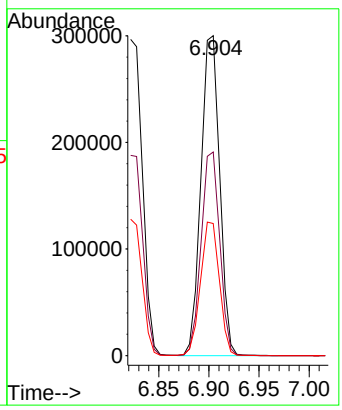




#13
1,4-Dichlorobenzene
Concen: 40.666 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:146 Resp: 38937

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	41.3	33.4	50.0



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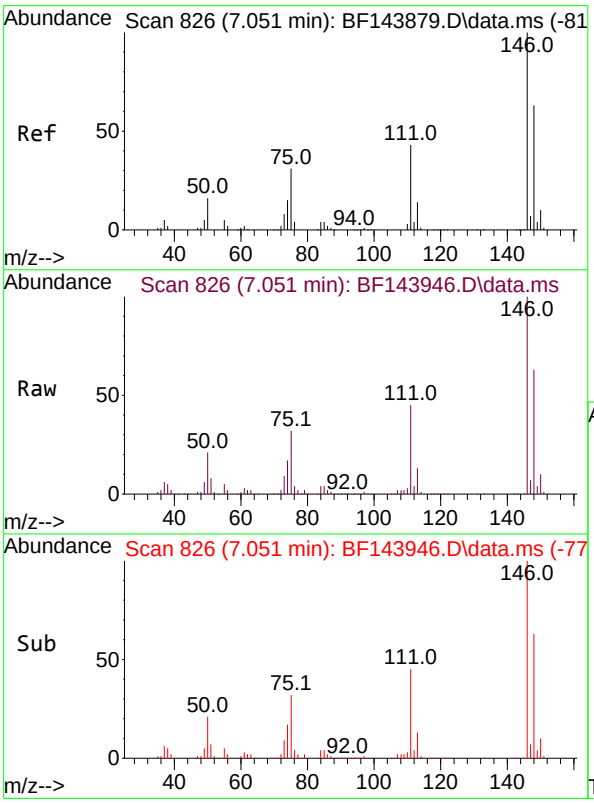
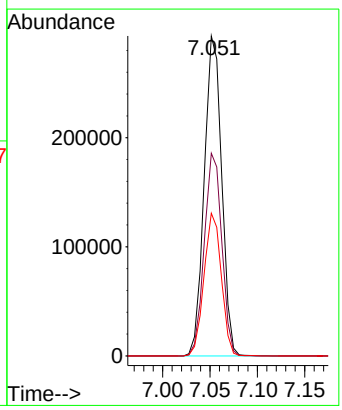
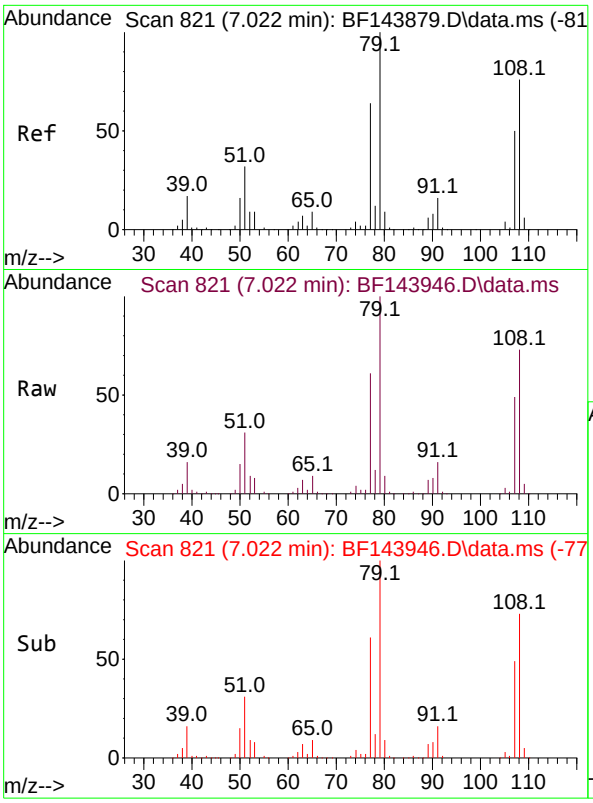


#14
1,2-Dichlorobenzene
Concen: 41.014 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:146 Resp: 376141

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	75.8
111	44.6	34.6	51.8





#15
Benzyl Alcohol
Concen: 39.983 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 79 Resp: 29622

Ion	Ratio	Lower	Upper
79	100		
108	72.9	60.8	91.2
77	60.6	51.0	76.6

Instrument :
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ClientSampleId :
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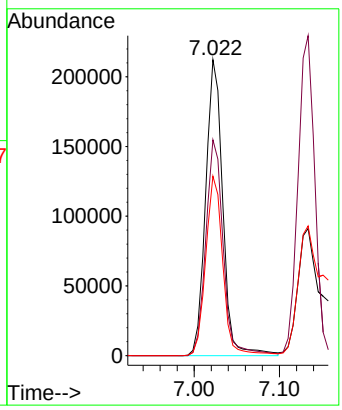
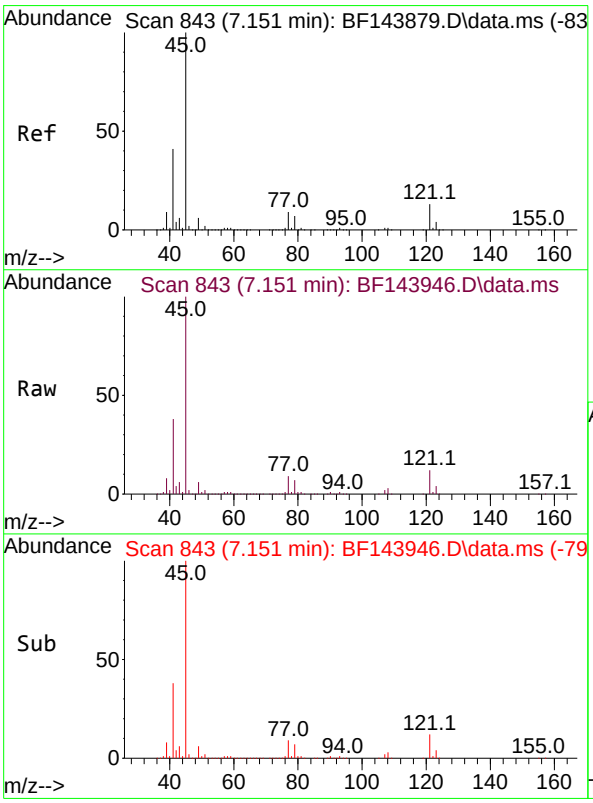
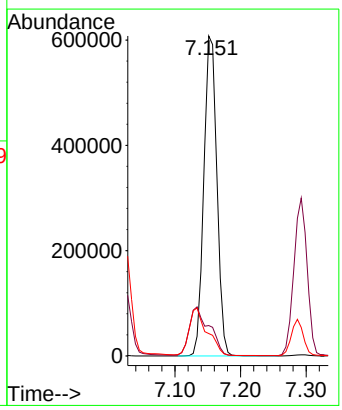


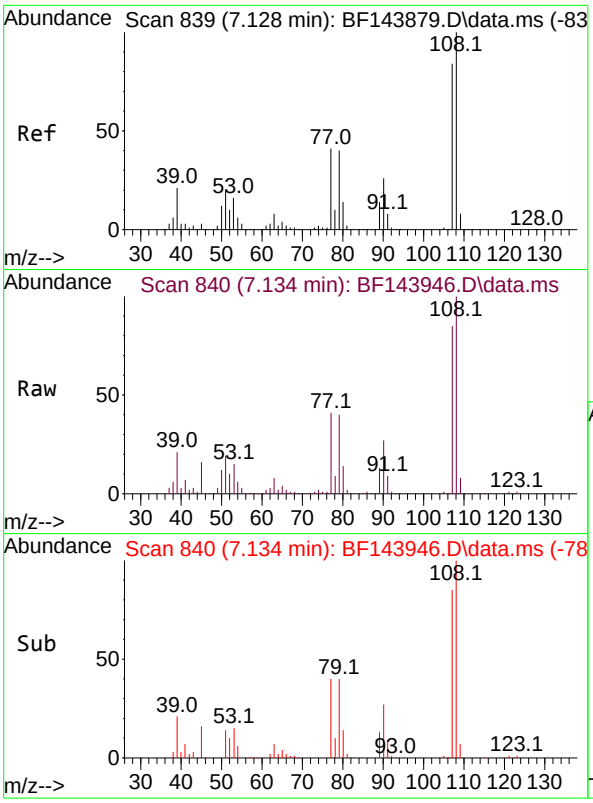


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.234 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 45 Resp: 836311

Ion	Ratio	Lower	Upper
45	100		
77	9.5	0.0	29.0
79	7.0	0.0	26.8

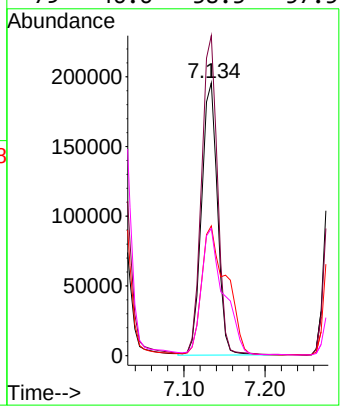




#17
2-Methylphenol
Concen: 39.882 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:107 Resp: 26727

Ion	Ratio	Lower	Upper
107	100		
108	117.3	94.7	142.1
77	47.6	38.8	58.2
79	46.6	38.3	57.5



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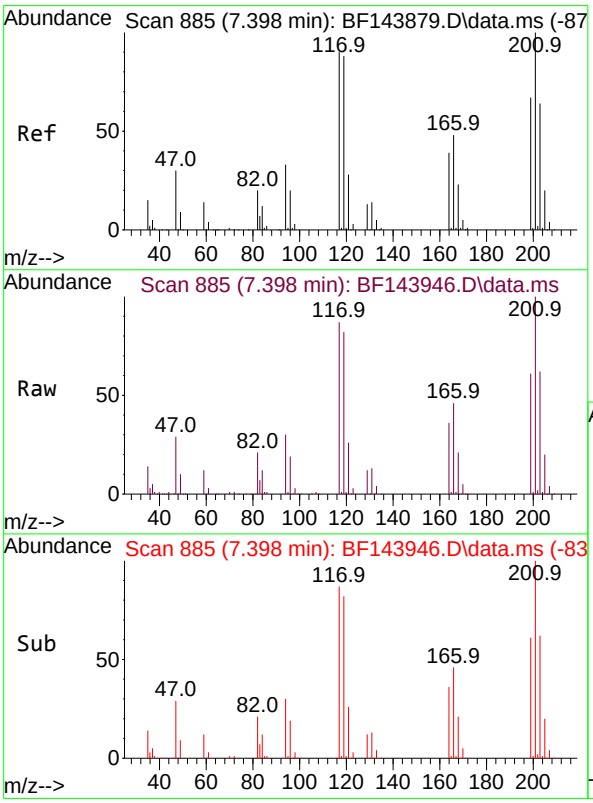
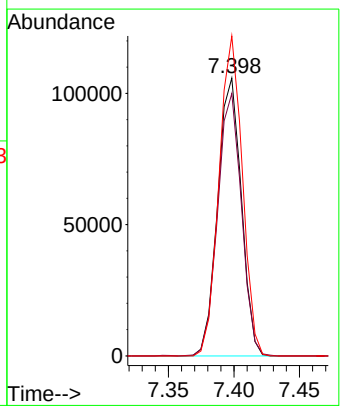
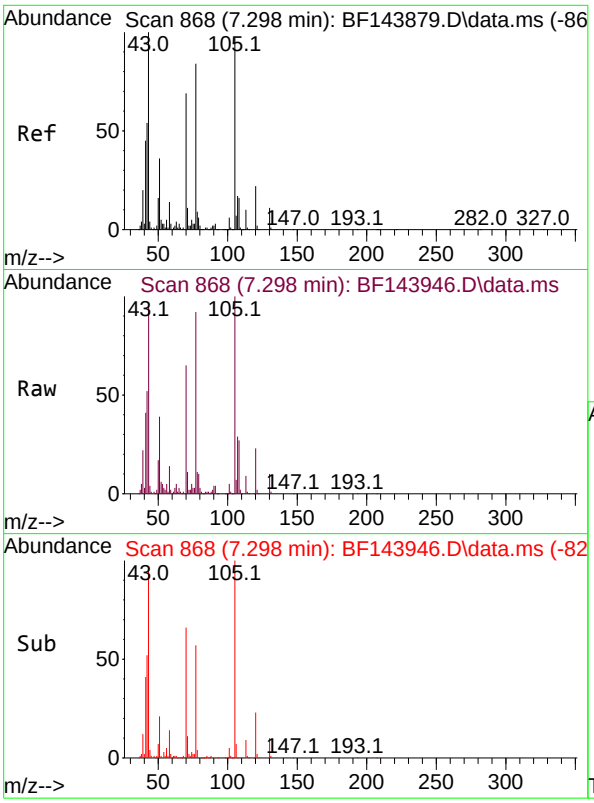


#18
Hexachloroethane
Concen: 41.592 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:117 Resp: 132810

Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.8	116.8
201	115.2	88.5	132.7

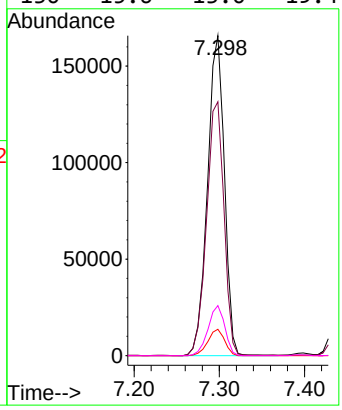




#19
n-Nitroso-di-n-propylamine
Concen: 33.743 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 70 Resp: 22838

Ion	Ratio	Lower	Upper
70	100		
42	79.3	62.8	94.2
101	8.2	6.7	10.1
130	15.6	13.0	19.4



Instrument :
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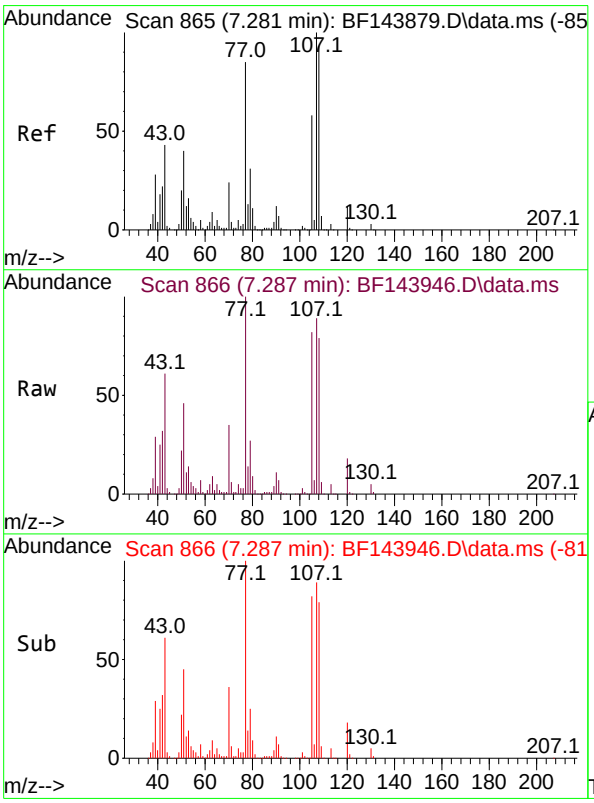
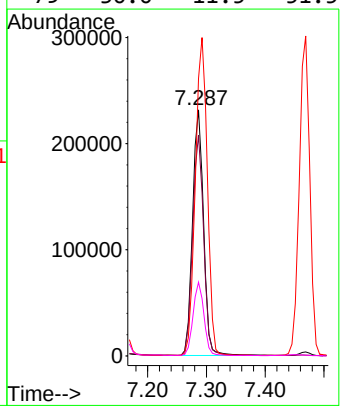
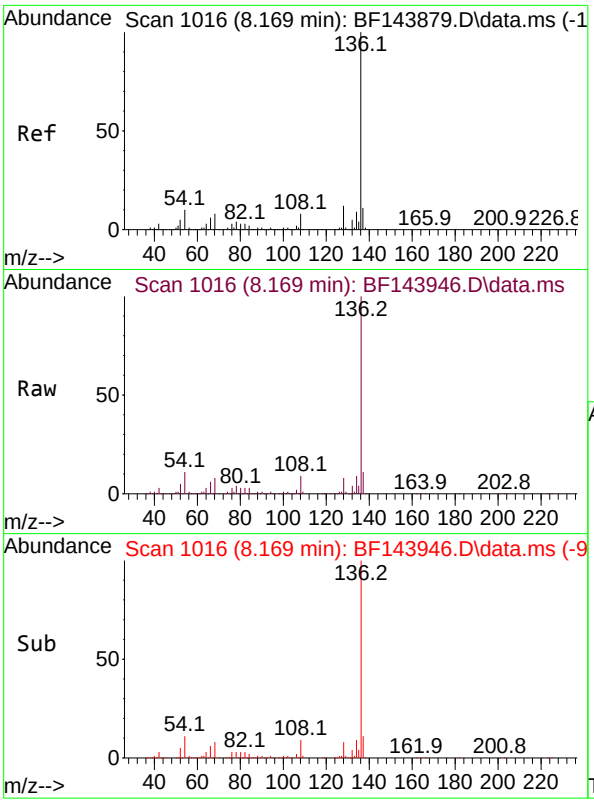


#20
3+4-Methylphenols
Concen: 38.875 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:107 Resp: 301950

Ion	Ratio	Lower	Upper
107	100		
108	89.6	73.0	113.0
77	112.8	64.6	104.6#
79	30.0	11.5	51.5

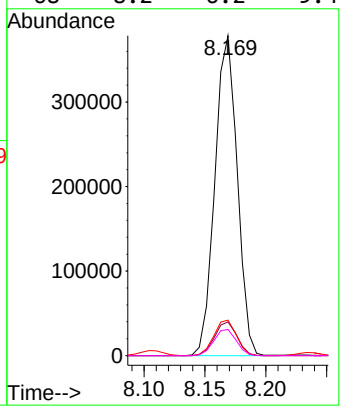




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:136 Resp: 48366

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.1	8.2	12.4
68	8.2	6.2	9.4



Instrument :
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ClientSampleId :
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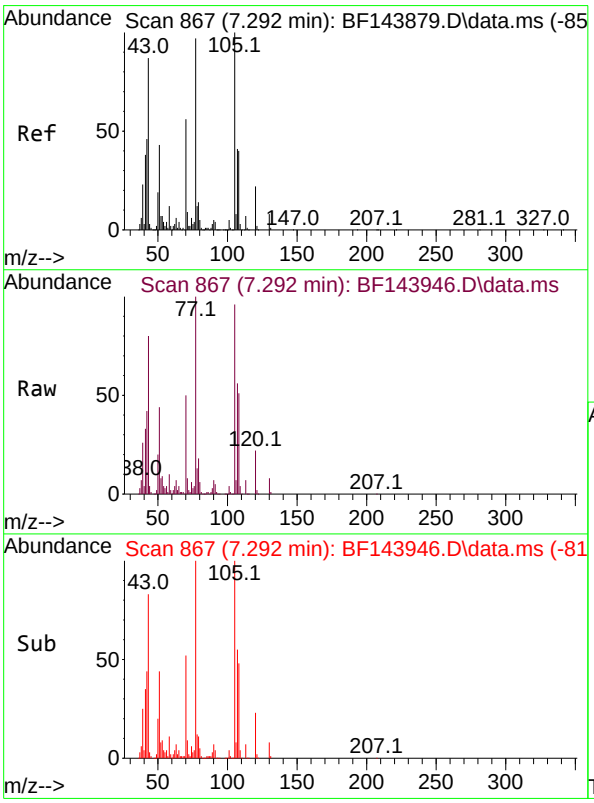
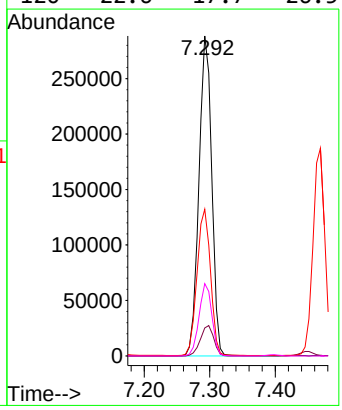
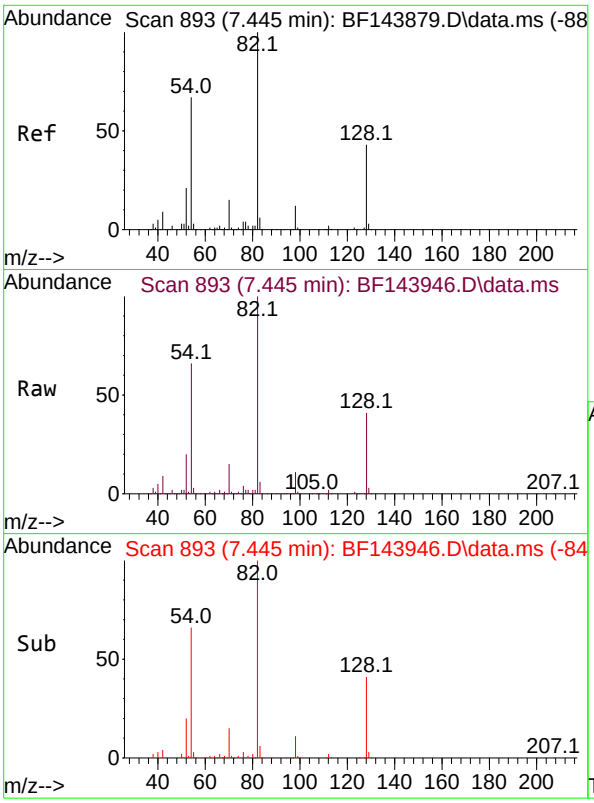


#22
Acetophenone
Concen: 38.069 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:105 Resp: 389320

Ion	Ratio	Lower	Upper
105	100		
71	8.7	7.4	11.0
51	45.8	34.2	51.4
120	22.6	17.7	26.5





#23
Nitrobenzene-d5
Concen: 85.752 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 82 Resp: 68266

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	65.8	53.2	79.8

Instrument :
BNA_F
ClientSampleId :
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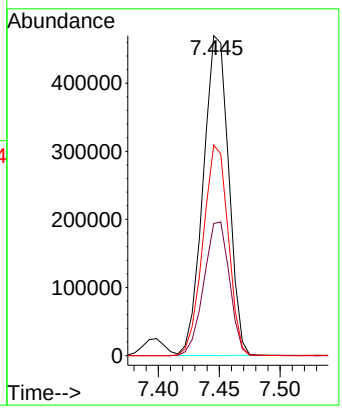
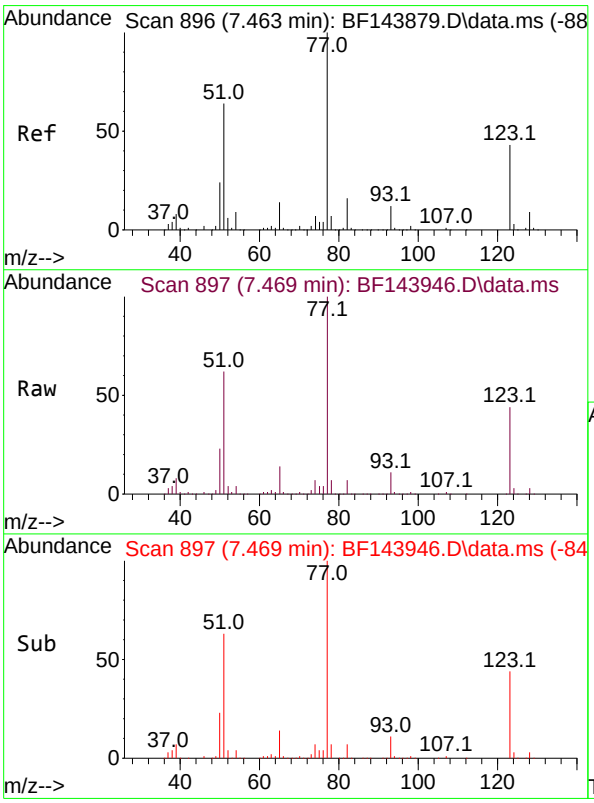
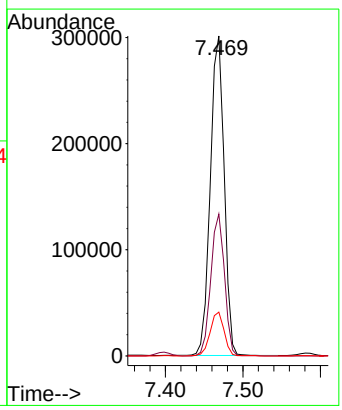


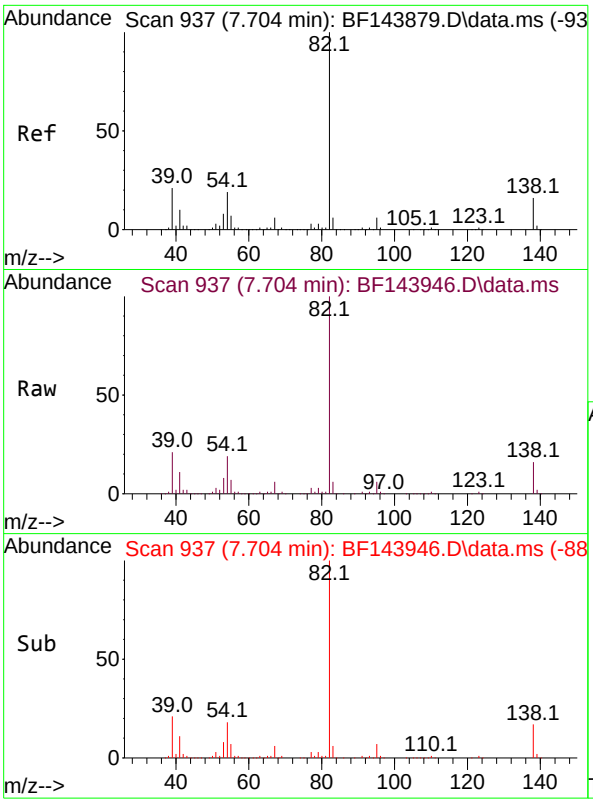


#24
Nitrobenzene
Concen: 42.351 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 77 Resp: 374413

Ion	Ratio	Lower	Upper
77	100		
123	44.3	34.2	51.4
65	13.7	11.0	16.6

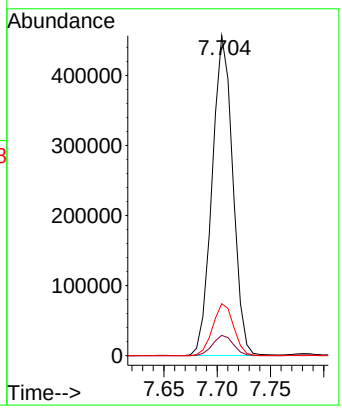




#25
Isophorone
Concen: 36.826 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 82 Resp: 61815

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	16.2	12.9	19.3



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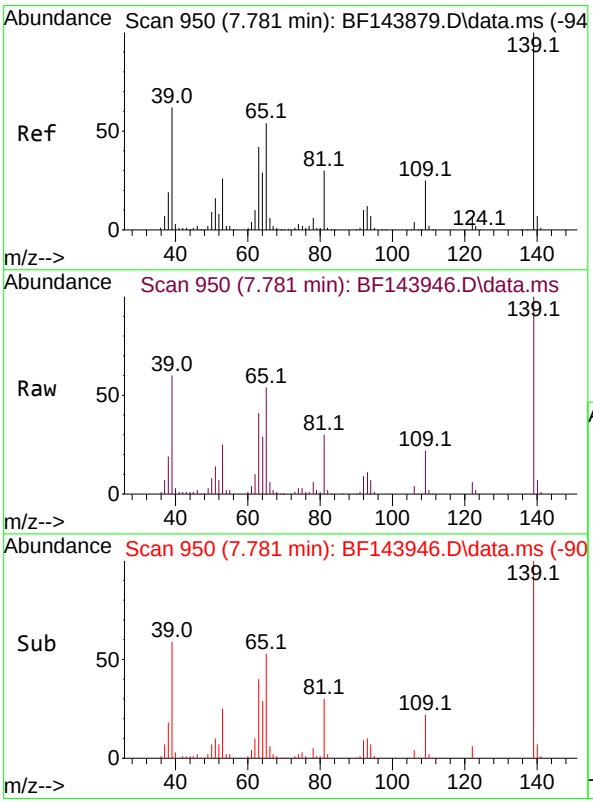
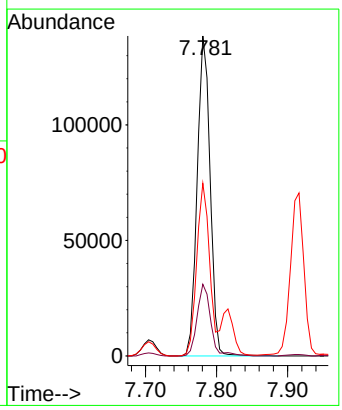
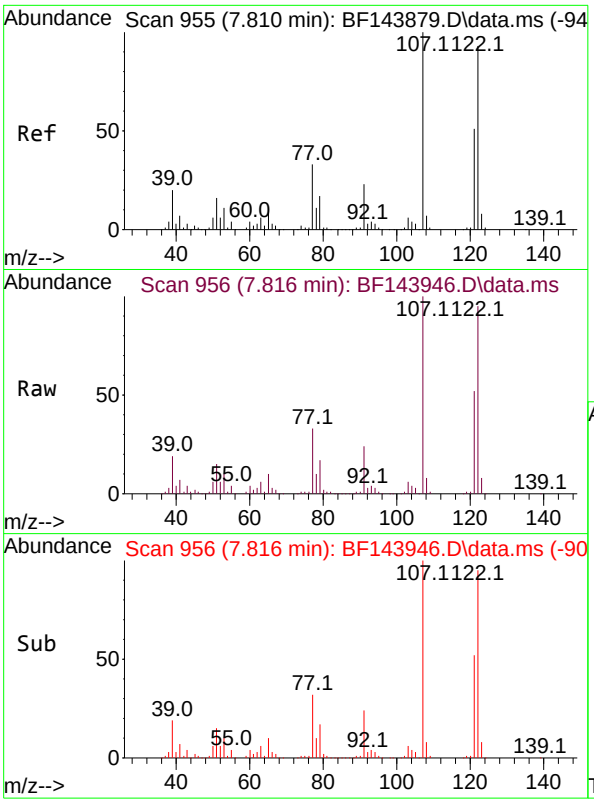


#26
2-Nitrophenol
Concen: 45.985 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:139 Resp: 174296

Ion	Ratio	Lower	Upper
139	100		
109	22.4	19.8	29.6
65	53.9	42.9	64.3

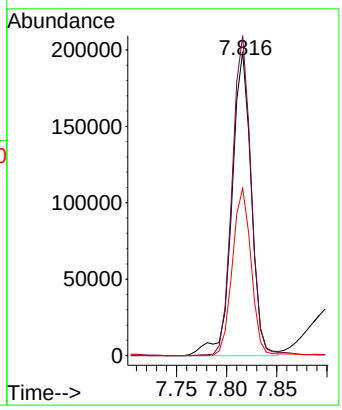




#27
2,4-Dimethylphenol
Concen: 39.190 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:122 Resp: 26720

Ion	Ratio	Lower	Upper
122	100		
107	105.3	86.1	129.1
121	55.1	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
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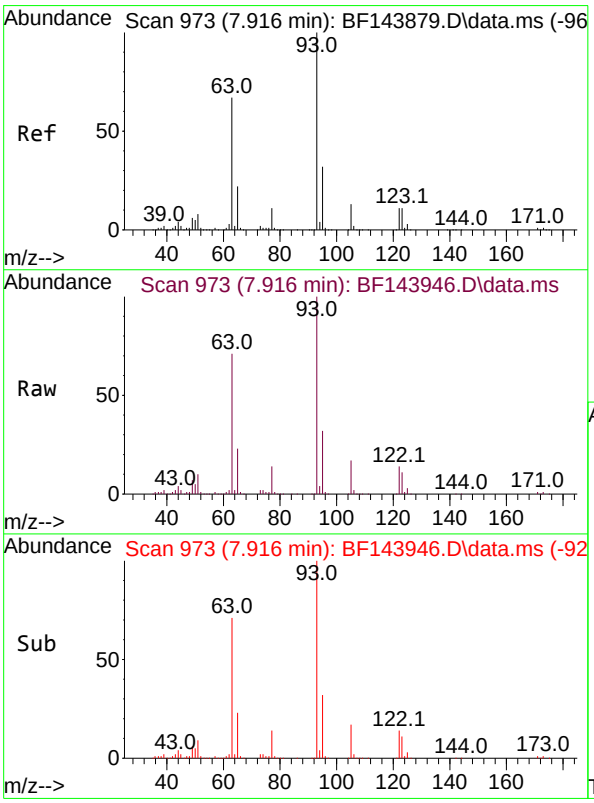
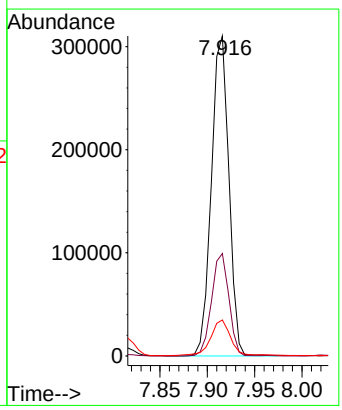
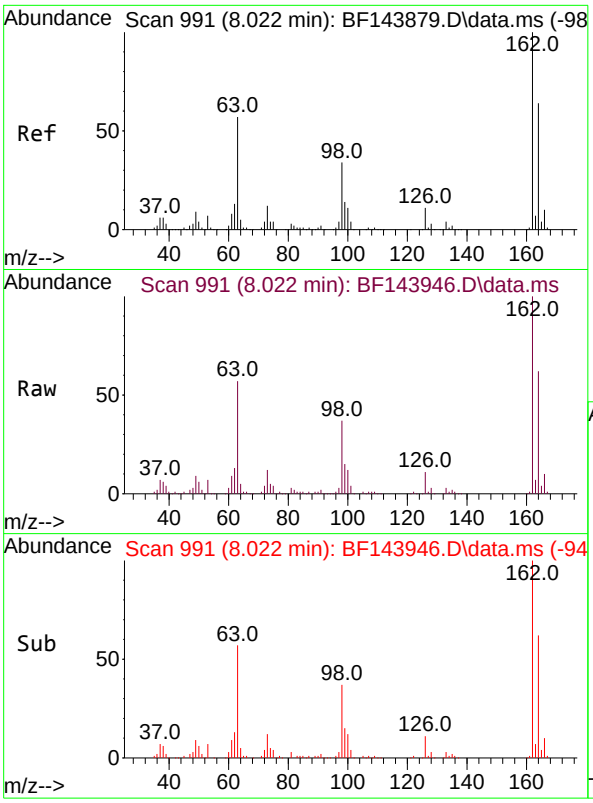


#28
bis(2-Chloroethoxy)methane
Concen: 37.593 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 93 Resp: 398619

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.9	38.9
123	11.2	9.4	14.0

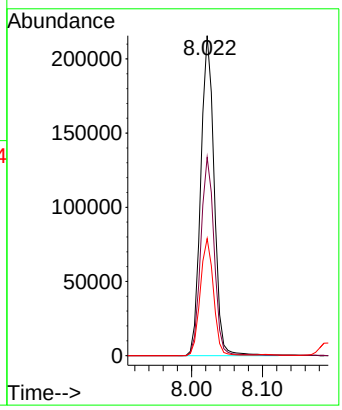




#29
2,4-Dichlorophenol
Concen: 39.575 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:162 Resp: 28106

Ion	Ratio	Lower	Upper
162	100		
164	62.0	43.9	83.9
98	36.6	14.4	54.4



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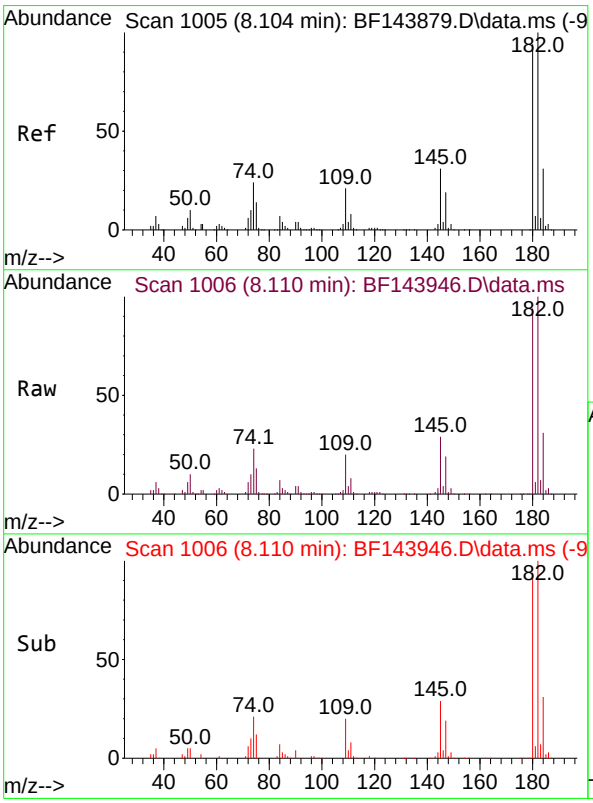
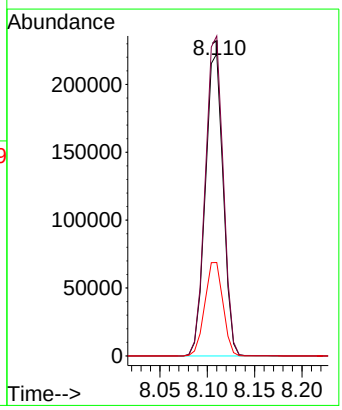
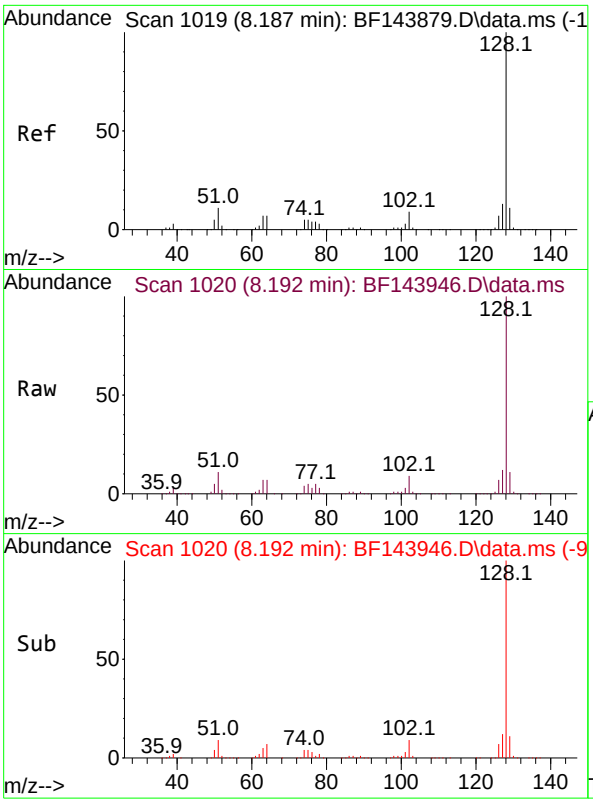


#30
1,2,4-Trichlorobenzene
Concen: 41.843 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:180 Resp: 292262

Ion	Ratio	Lower	Upper
180	100		
182	105.9	85.4	128.0
145	30.9	26.3	39.5

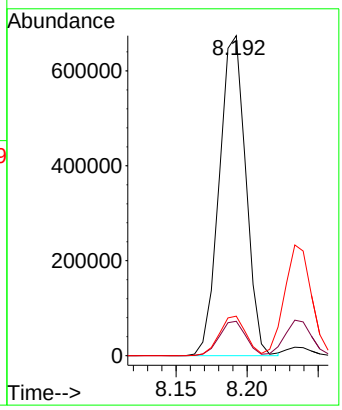




#31
Naphthalene
Concen: 39.806 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:128 Resp: 87580

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.3	10.0	15.0



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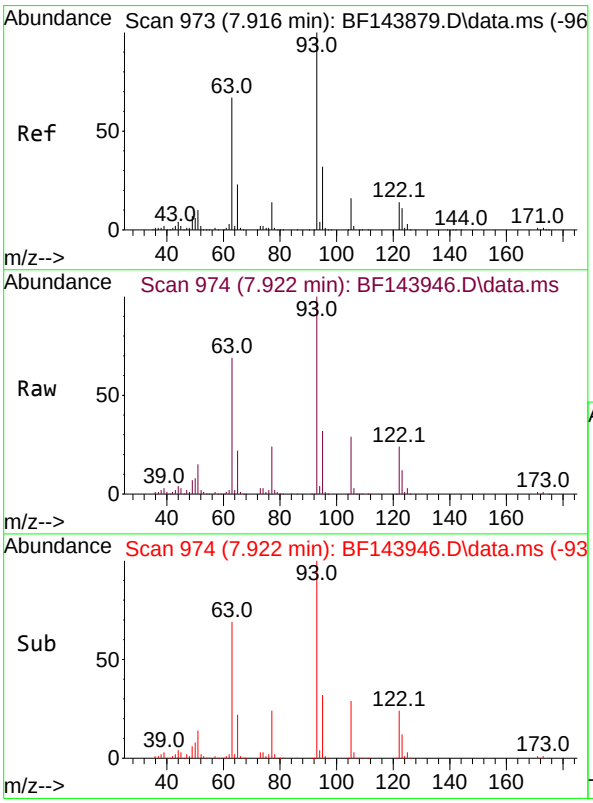
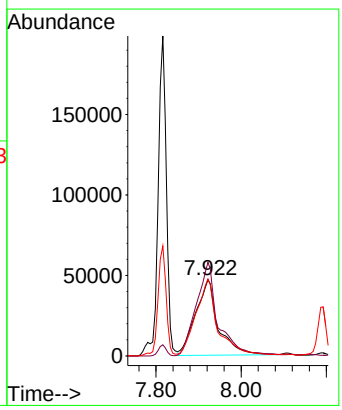
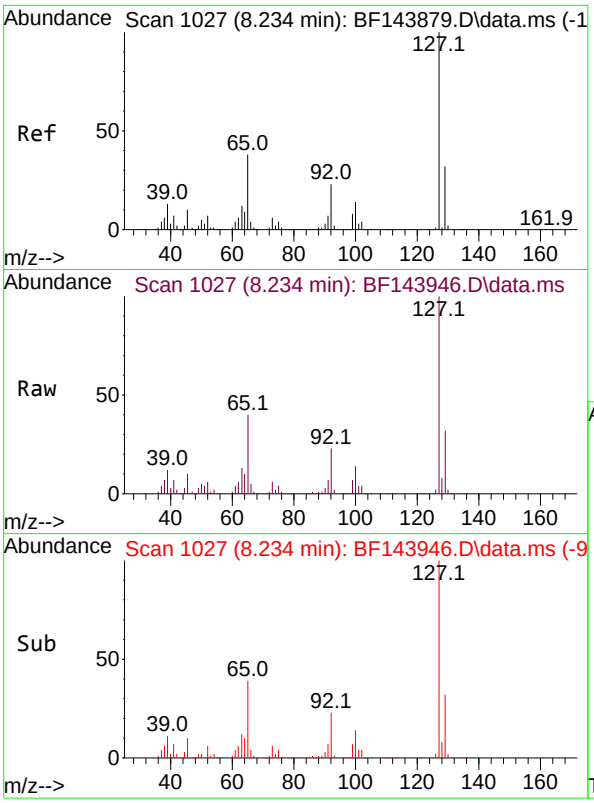


#32
Benzoic acid
Concen: 36.773 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.041 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:122 Resp: 173523

Ion	Ratio	Lower	Upper
122	100		
105	122.9	93.5	133.5
77	101.1	76.3	116.3

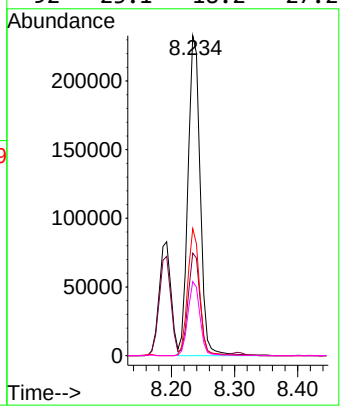




#33
4-Chloroaniline
Concen: 37.877 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:127 Resp: 31254

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.8
65	39.7	30.0	45.0
92	23.1	18.2	27.2



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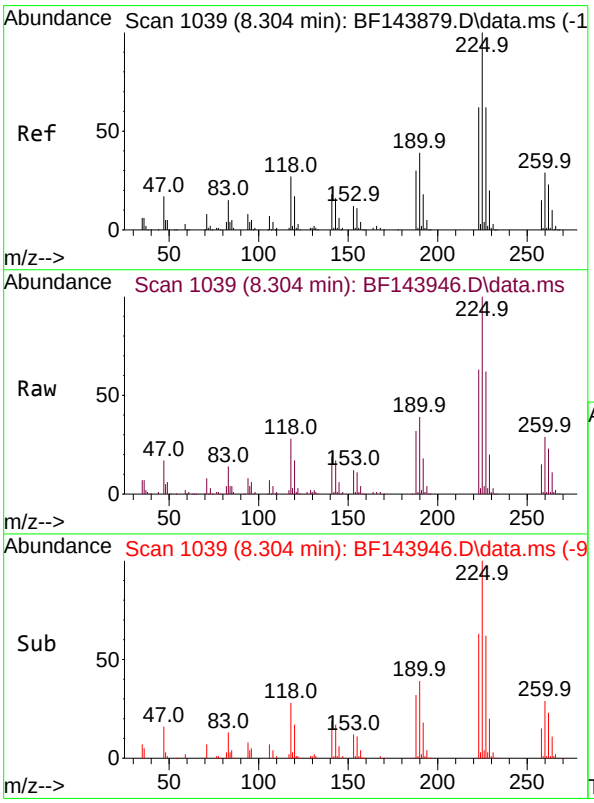
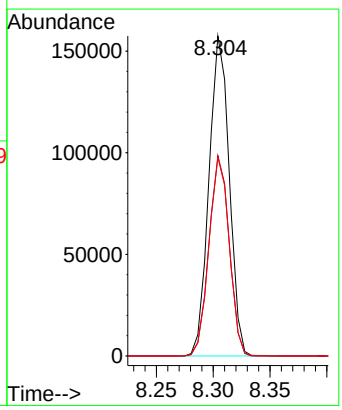
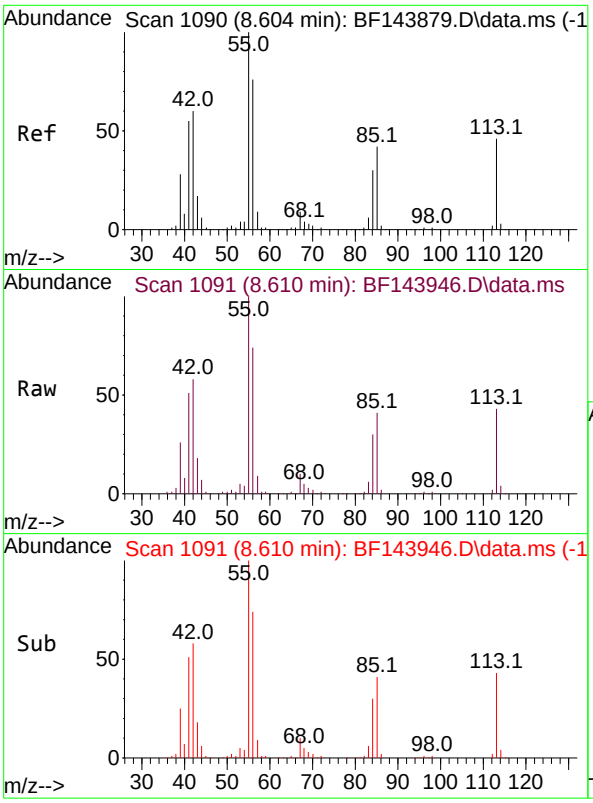


#34
Hexachlorobutadiene
Concen: 40.211 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:225 Resp: 195169

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.2
227	62.0	49.7	74.5

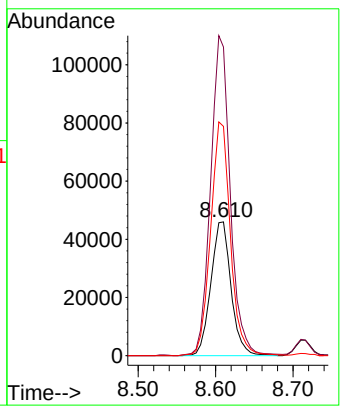




#35
Caprolactam
Concen: 36.920 ng
RT: 8.610 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:113 Resp: 8337

Ion	Ratio	Lower	Upper
113	100		
55	230.8	199.6	239.6
56	171.5	146.0	186.0



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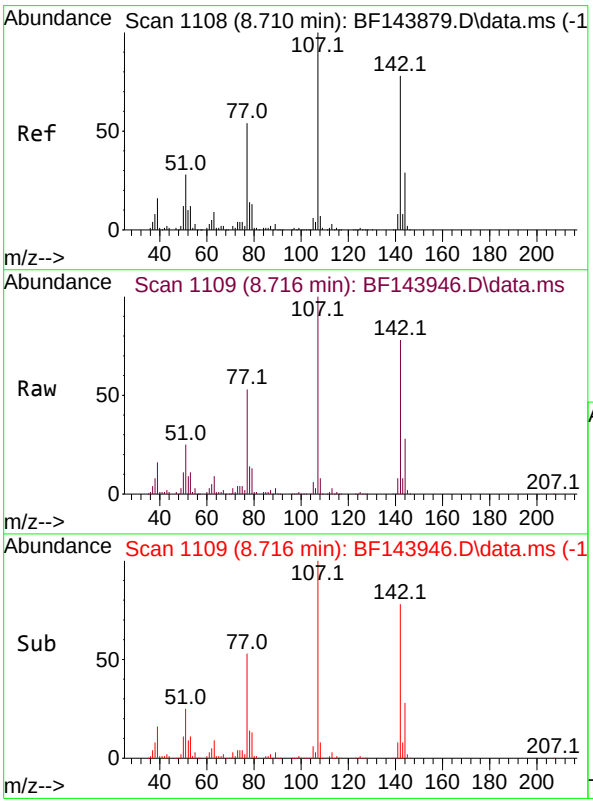
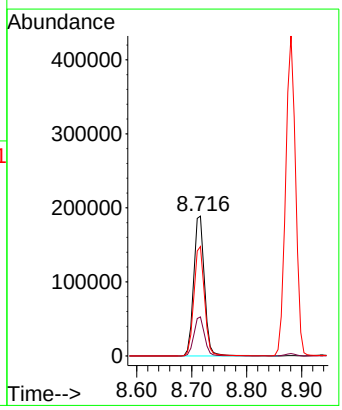
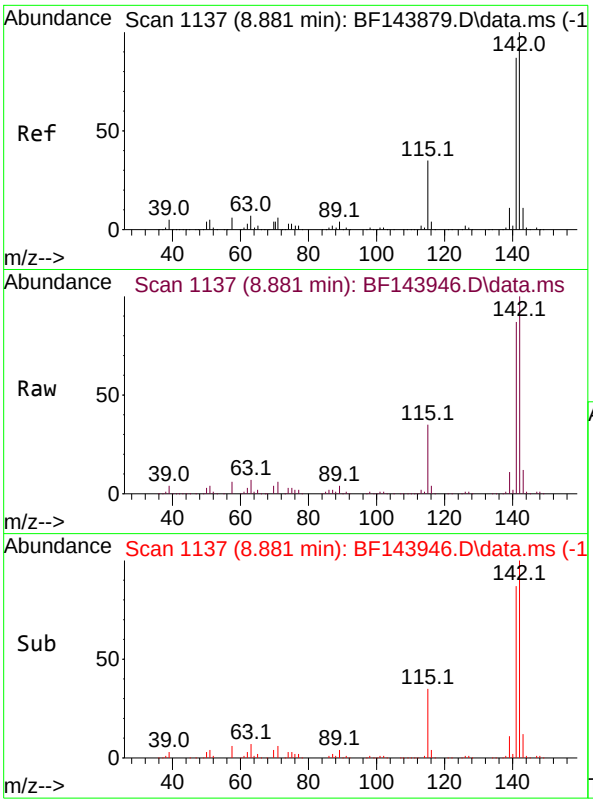


#36
4-Chloro-3-methylphenol
Concen: 37.794 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:107 Resp: 257833

Ion	Ratio	Lower	Upper
107	100		
144	27.9	23.1	34.7
142	78.3	62.6	94.0

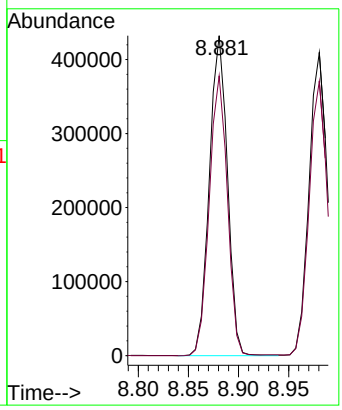




#37
2-Methylnaphthalene
Concen: 36.965 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:142 Resp: 54174

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
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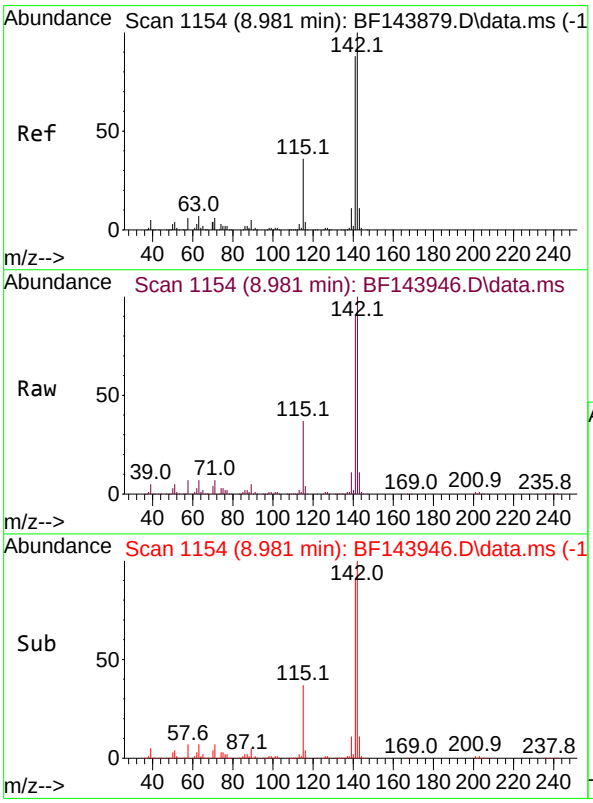
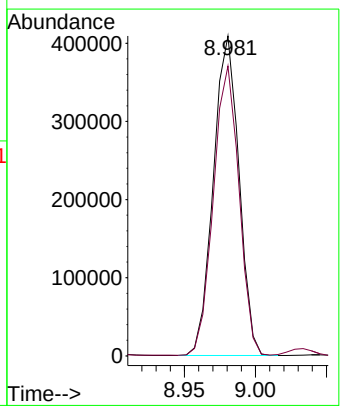
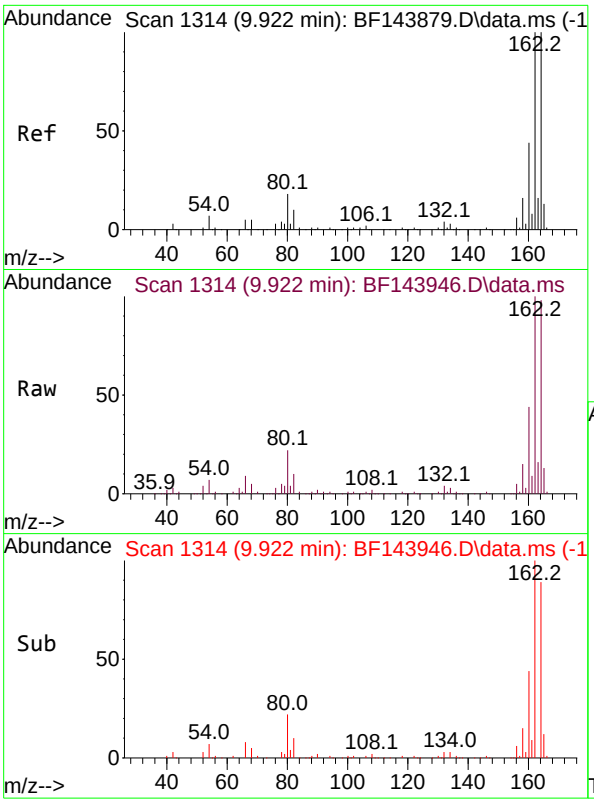


#38
1-Methylnaphthalene
Concen: 36.193 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:142 Resp: 514512

Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2

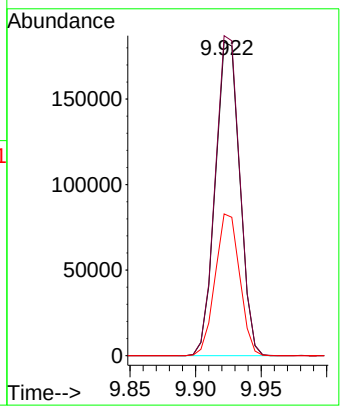




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:164 Resp: 23858

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.2
160	45.2	35.4	53.0



Instrument :
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ClientSampleId :
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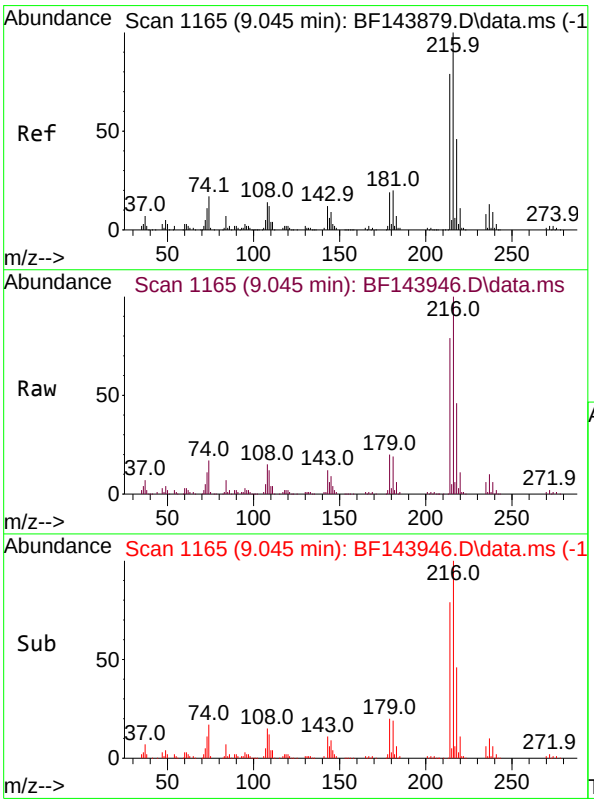
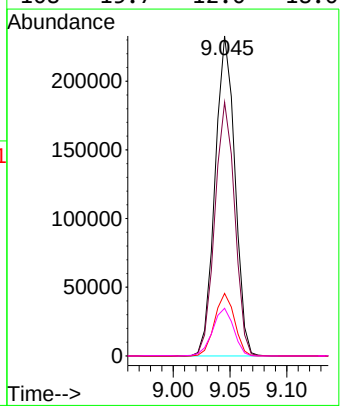
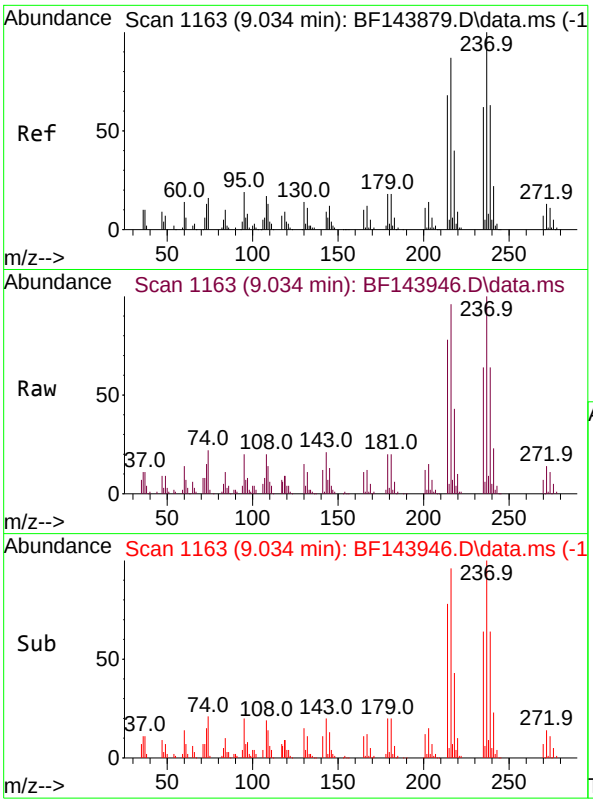


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.993 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:216 Resp: 283503

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	94.0
179	19.5	15.4	23.0
108	15.7	12.0	18.0





#41
Hexachlorocyclopentadiene
Concen: 34.302 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:237 Resp: 9383

Ion	Ratio	Lower	Upper
237	100		
235	64.1	42.3	82.3
272	14.5	0.0	33.1

Instrument :
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ClientSampleId :
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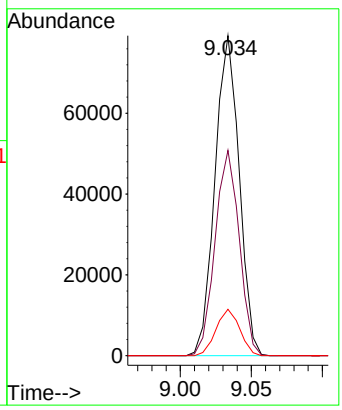
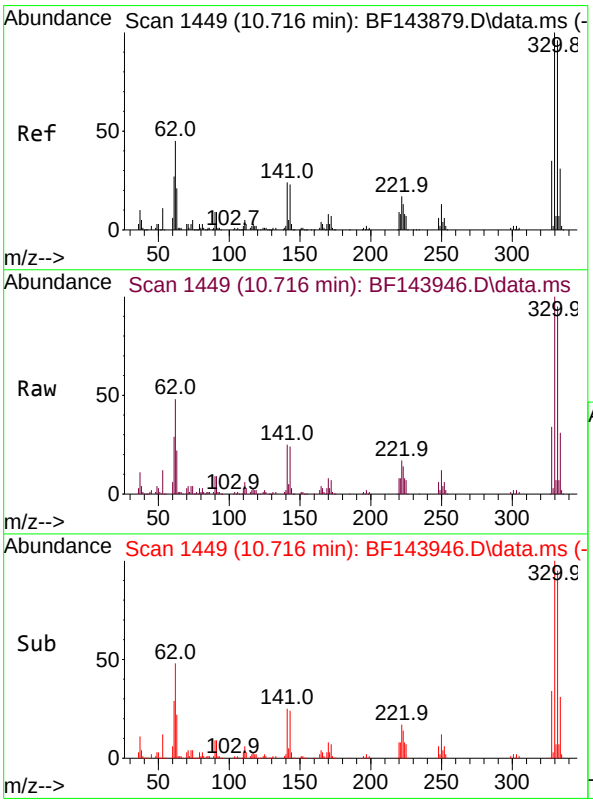
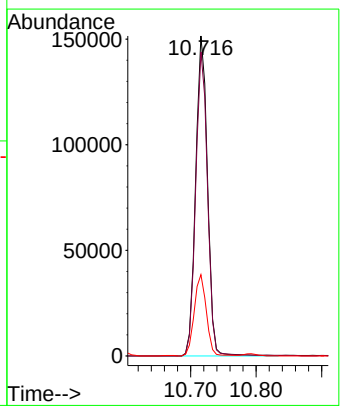


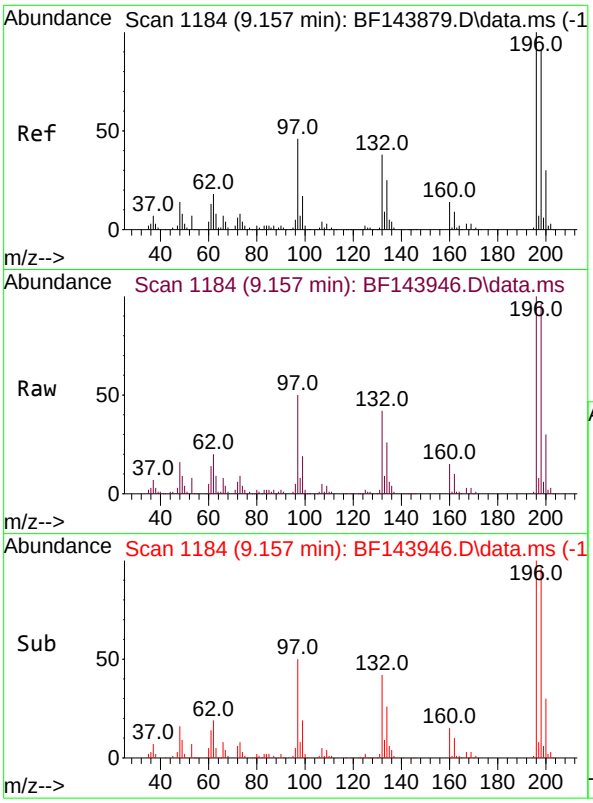


#42
2,4,6-Tribromophenol
Concen: 79.800 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:330 Resp: 189633

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.9	115.3
141	25.9	20.2	30.4

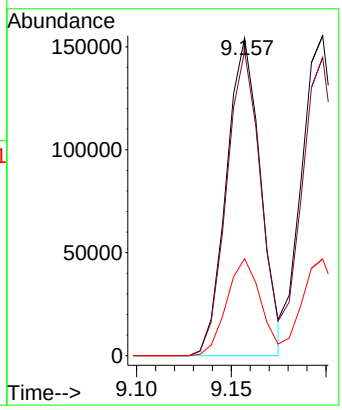




#43
2,4,6-Trichlorophenol
Concen: 40.115 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:196 Resp: 19327

Ion	Ratio	Lower	Upper
196	100		
198	95.9	72.8	109.2
200	30.5	24.0	36.0



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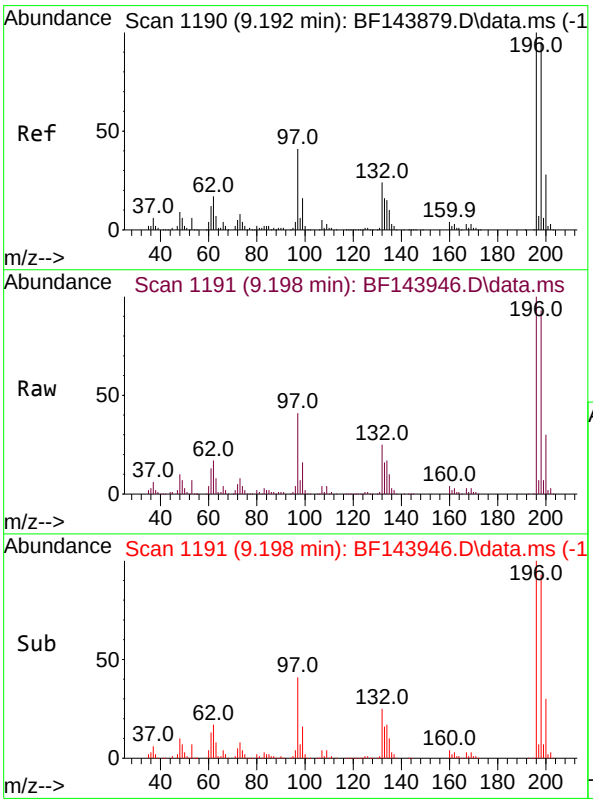
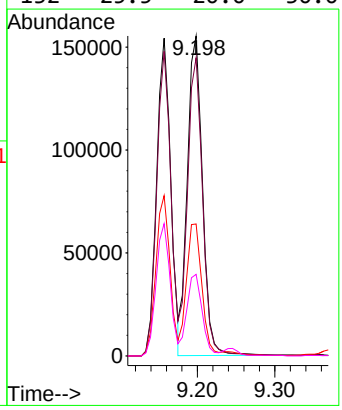
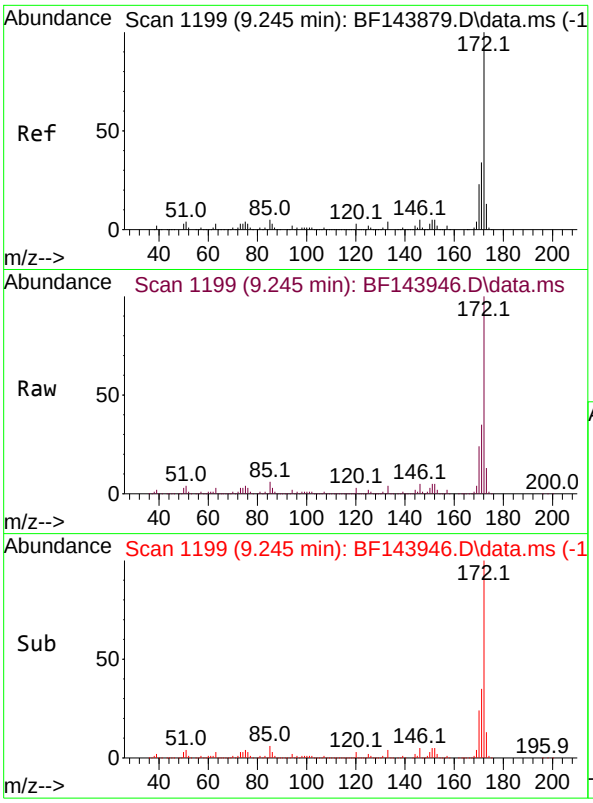


#44
2,4,5-Trichlorophenol
Concen: 41.502 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:196 Resp: 211314

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.5	113.3
97	41.2	33.9	50.9
132	25.5	20.0	30.0

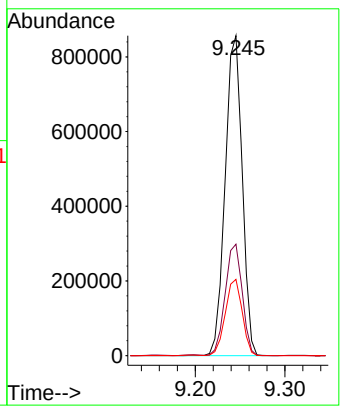




#45
2-Fluorobiphenyl
Concen: 75.586 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:172 Resp: 113653

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.8	18.6	28.0



Instrument :
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ClientSampleId :
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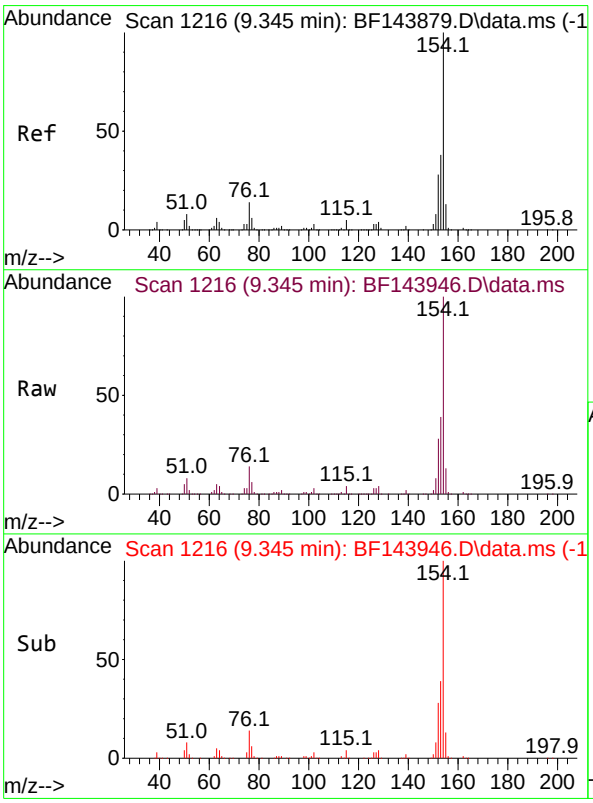
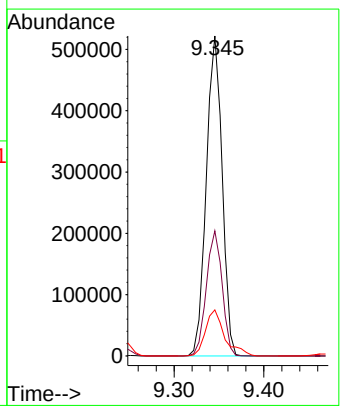
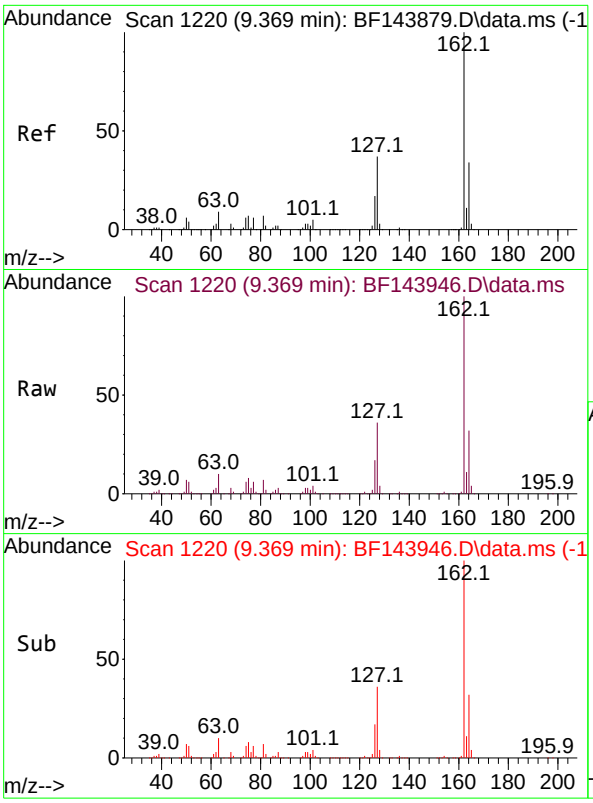


#46
1,1'-Biphenyl
Concen: 40.618 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:154 Resp: 641629

Ion	Ratio	Lower	Upper
154	100		
153	39.1	18.4	58.4
76	14.4	0.0	34.0

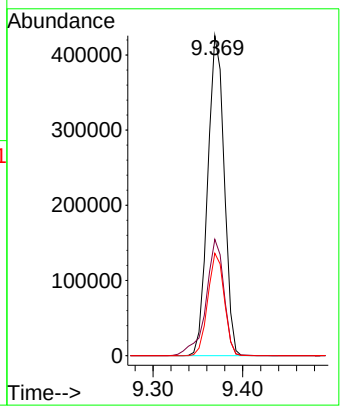




#47
2-Chloronaphthalene
Concen: 41.064 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:162 Resp: 54083

Ion	Ratio	Lower	Upper
162	100		
127	36.3	30.2	45.2
164	32.0	26.9	40.3



Instrument :
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ClientSampleId :
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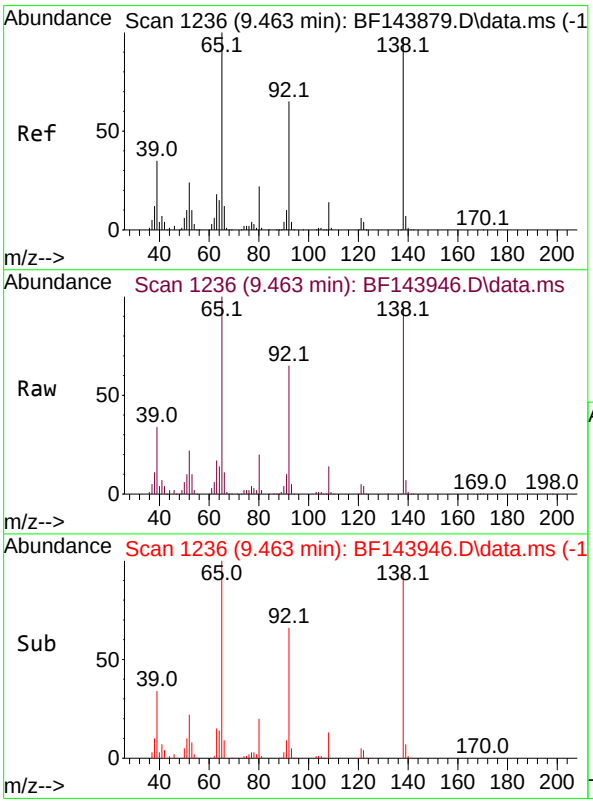
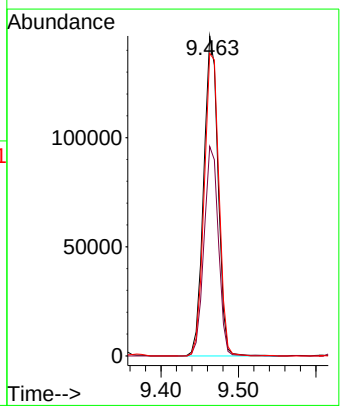
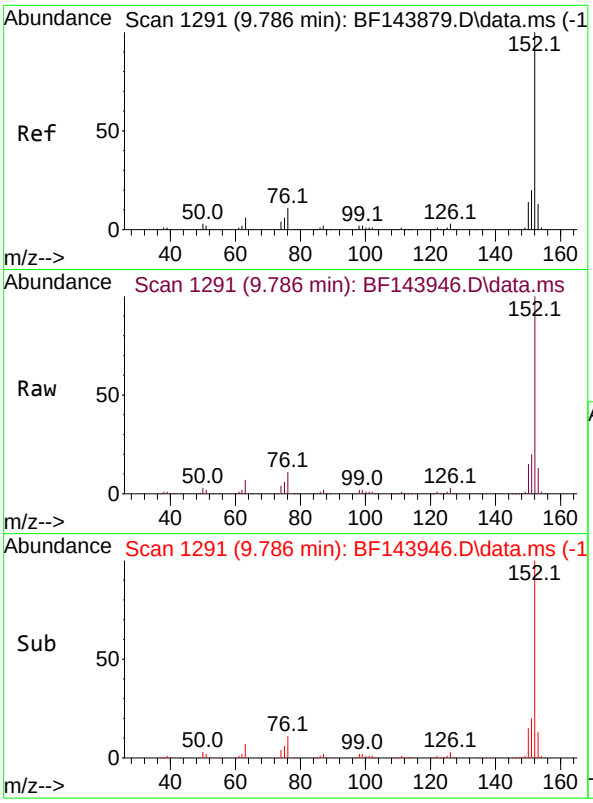


#48
2-Nitroaniline
Concen: 45.320 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 65 Resp: 188709

Ion	Ratio	Lower	Upper
65	100		
92	65.4	52.1	78.1
138	94.5	77.4	116.2

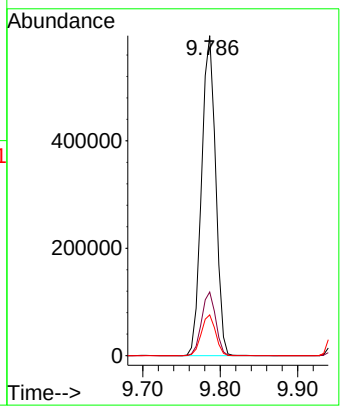




#49
Acenaphthylene
Concen: 40.578 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:152 Resp: 75133

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.7	10.5	15.7



Instrument :
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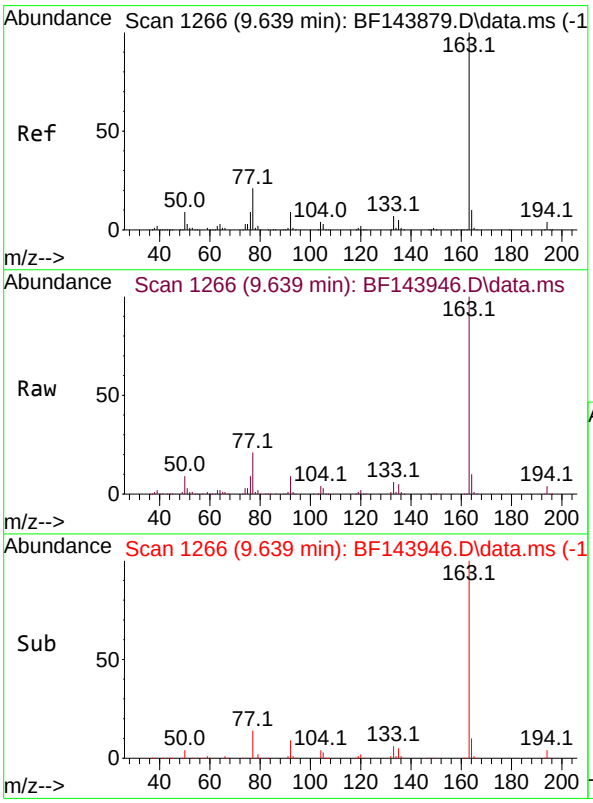
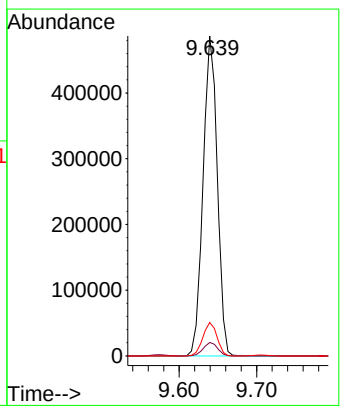
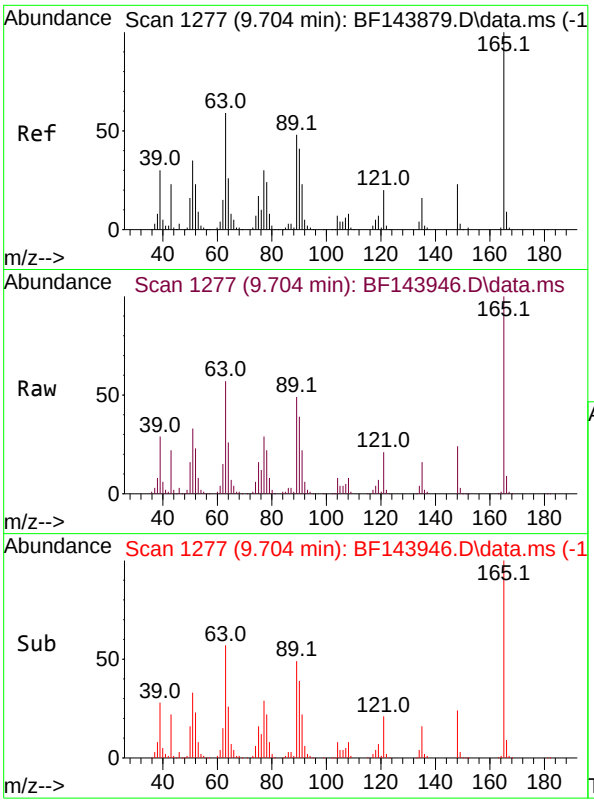


#50
Dimethylphthalate
Concen: 40.809 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:163 Resp: 618312

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.4	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 45.141 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:165 Resp: 12682

Ion	Ratio	Lower	Upper
165	100		
63	57.2	47.3	70.9
89	48.8	38.2	57.4

Instrument :
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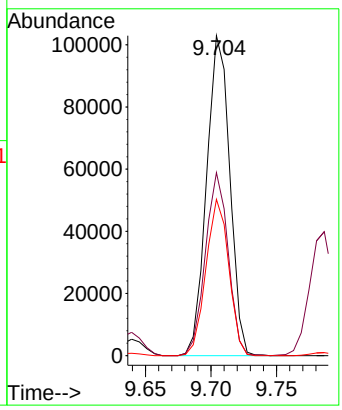
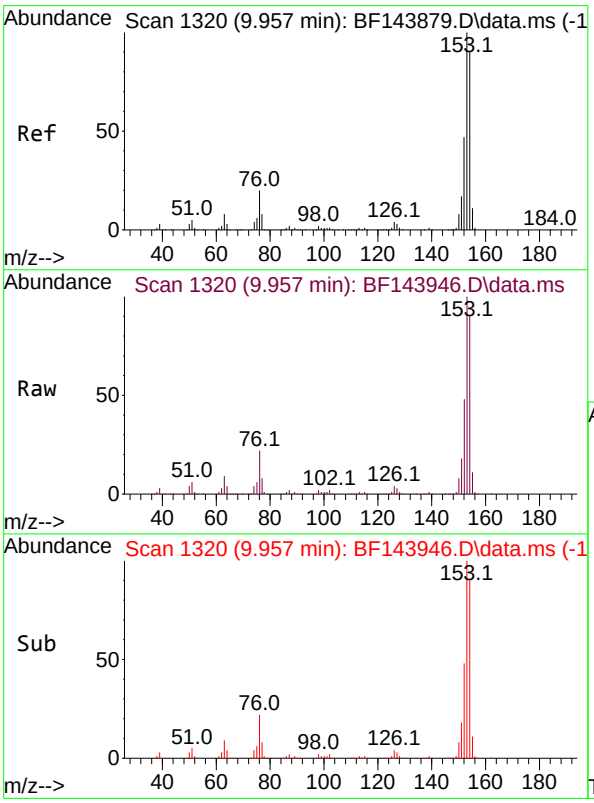
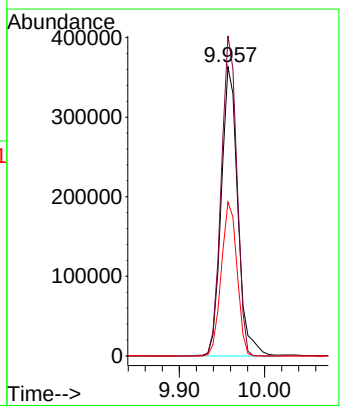


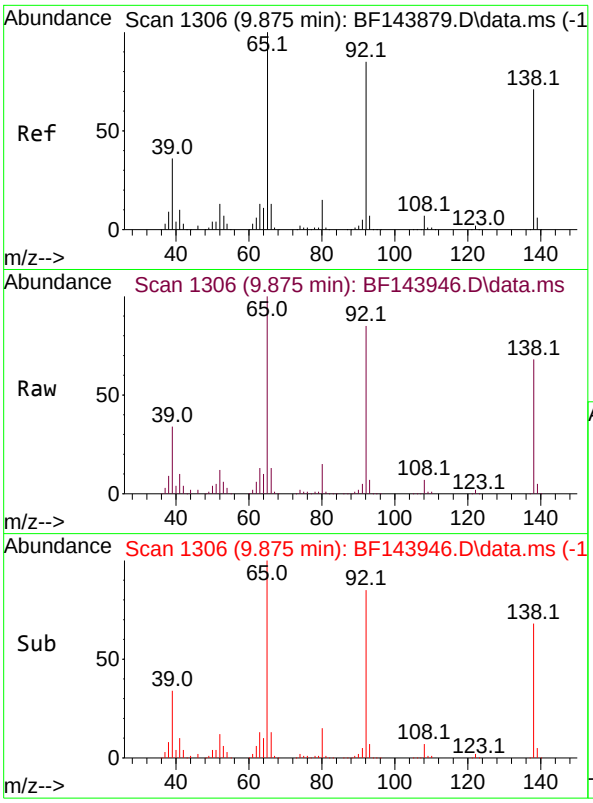


#52
Acenaphthene
Concen: 40.405 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:154 Resp: 490216

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.3	133.9
152	53.2	42.2	63.2





#53
3-Nitroaniline
Concen: 42.822 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:138 Resp: 14731

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.3	12.5
92	124.9	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
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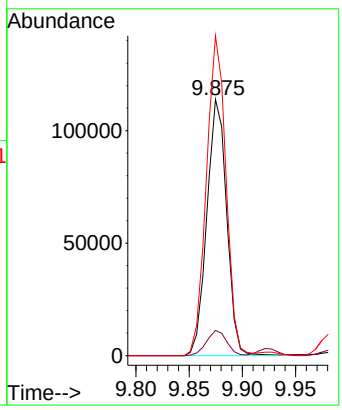
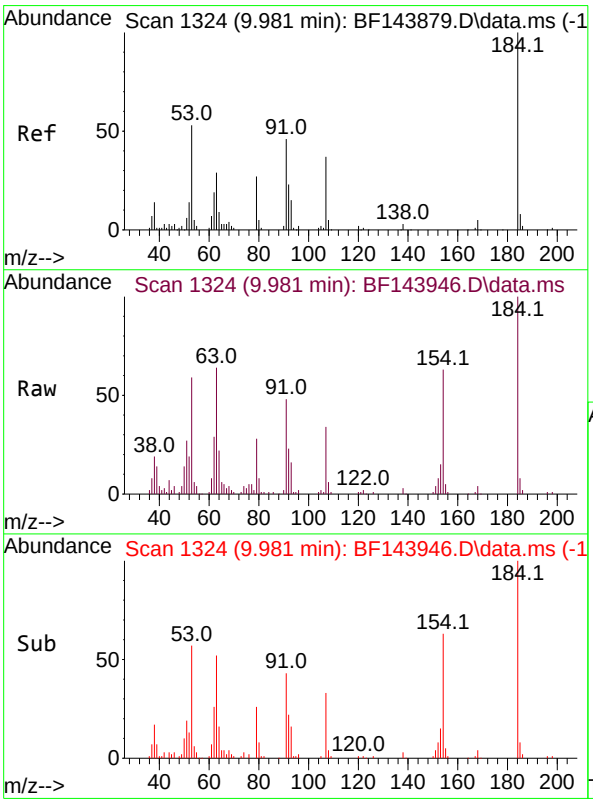
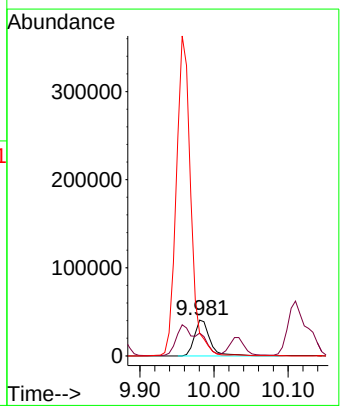


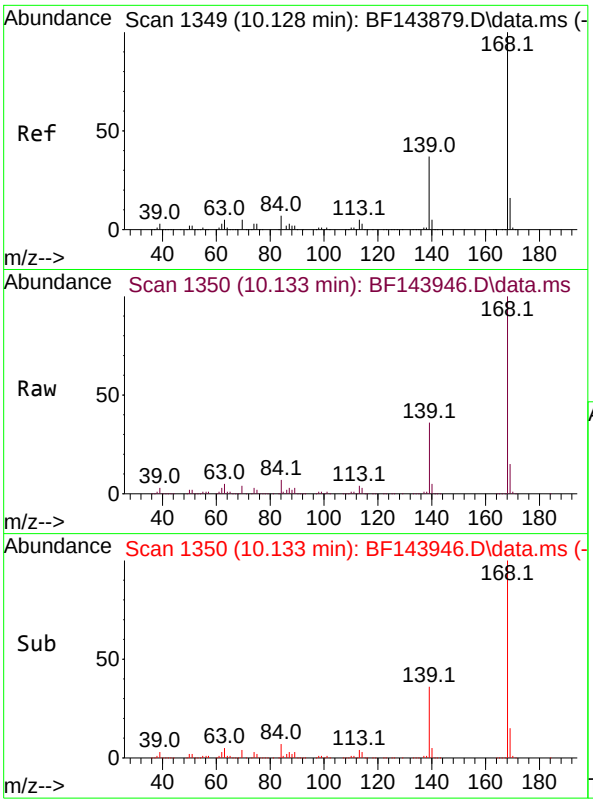


#54
2,4-Dinitrophenol
Concen: 38.075 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:184 Resp: 59081

Ion	Ratio	Lower	Upper
184	100		
63	63.8	48.2	72.4
154	62.6	49.2	73.8

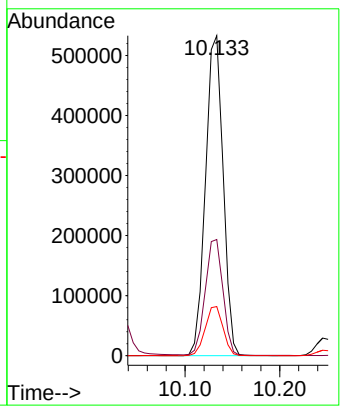




#55
Dibenzofuran
Concen: 40.297 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:168 Resp: 690158

Ion	Ratio	Lower	Upper
168	100		
139	36.3	29.8	44.8
169	15.3	12.8	19.2



Instrument :
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ClientSampleId :
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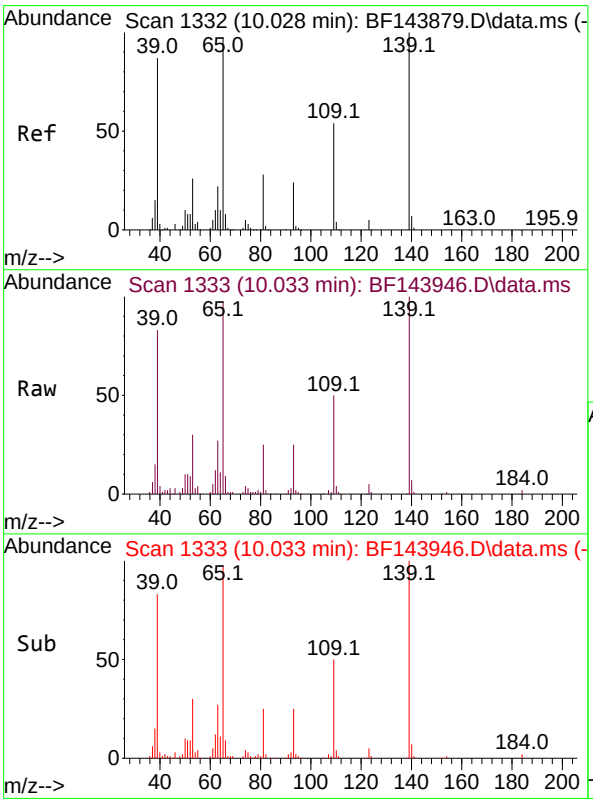
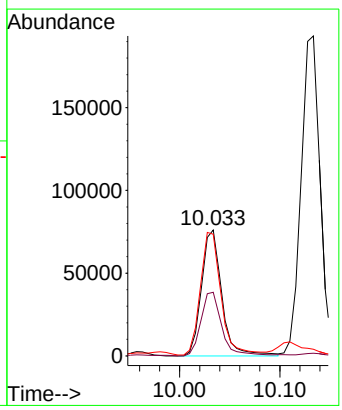
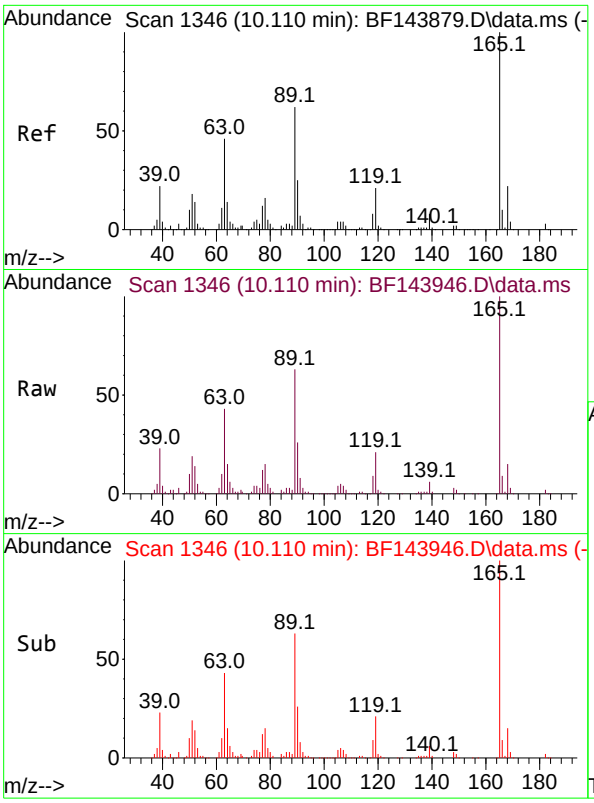


#56
4-Nitrophenol
Concen: 41.065 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:139 Resp: 106964

Ion	Ratio	Lower	Upper
139	100		
109	50.5	34.5	74.5
65	96.7	77.6	117.6

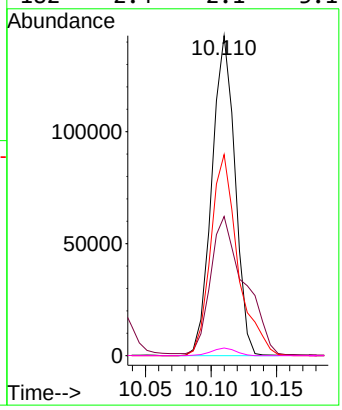




#57
2,4-Dinitrotoluene
Concen: 45.966 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:165 Resp: 17571

Ion	Ratio	Lower	Upper
165	100		
63	43.5	37.2	55.8
89	62.8	49.4	74.2
182	2.4	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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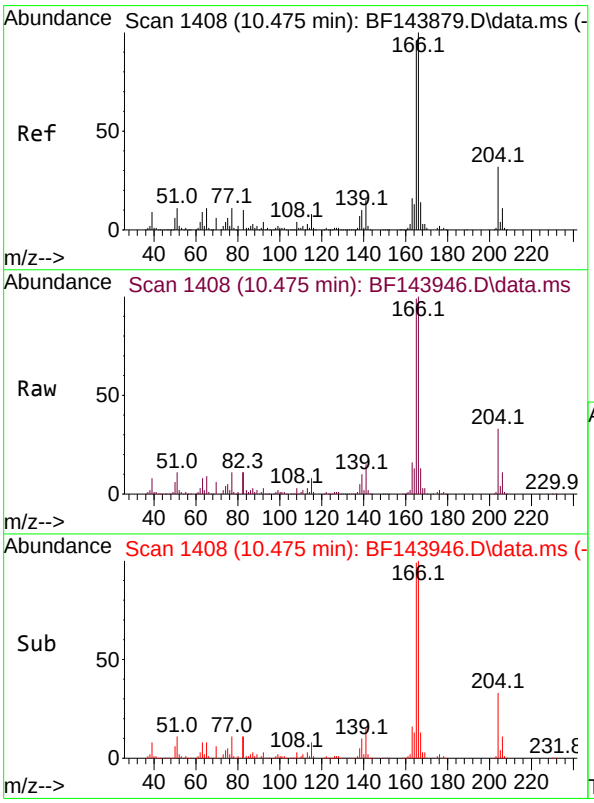
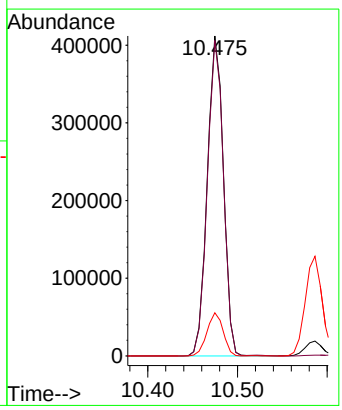
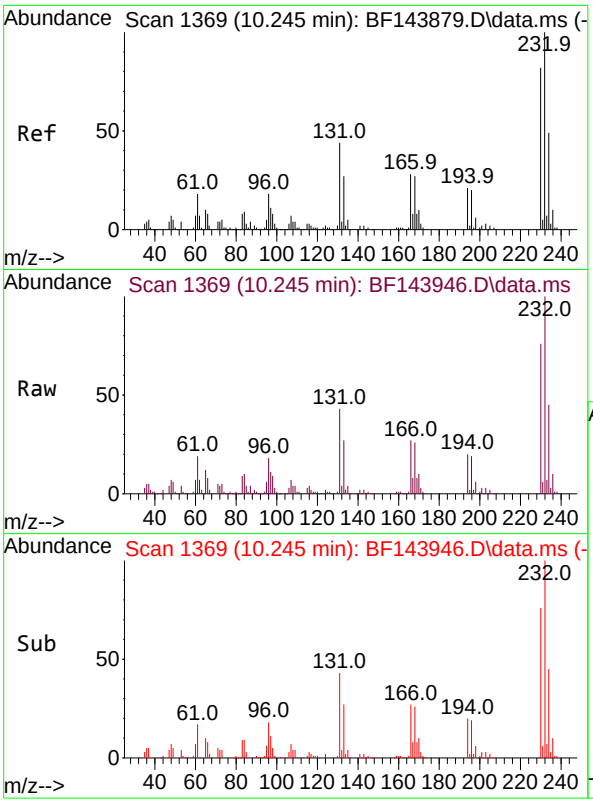


#58
Fluorene
Concen: 39.886 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:166 Resp: 515449

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.0	115.6
167	13.5	11.1	16.7

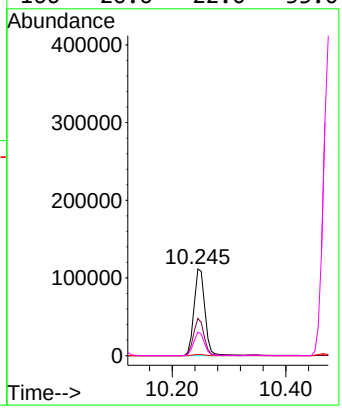




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.453 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:232 Resp: 14940

Ion	Ratio	Lower	Upper
232	100		
131	41.6	34.9	52.3
130	1.3	1.6	2.4#
166	26.6	22.0	33.0



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ClientSampleId :
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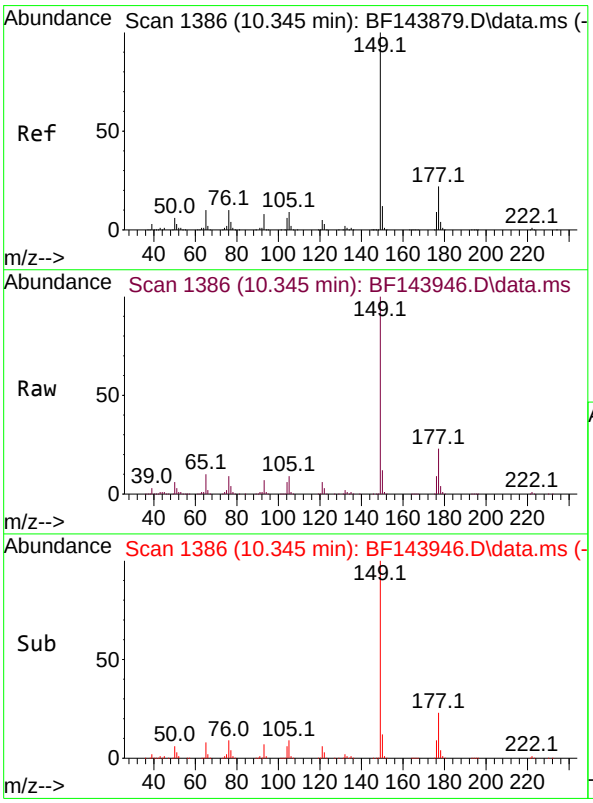
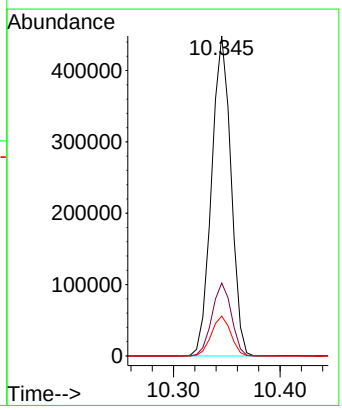
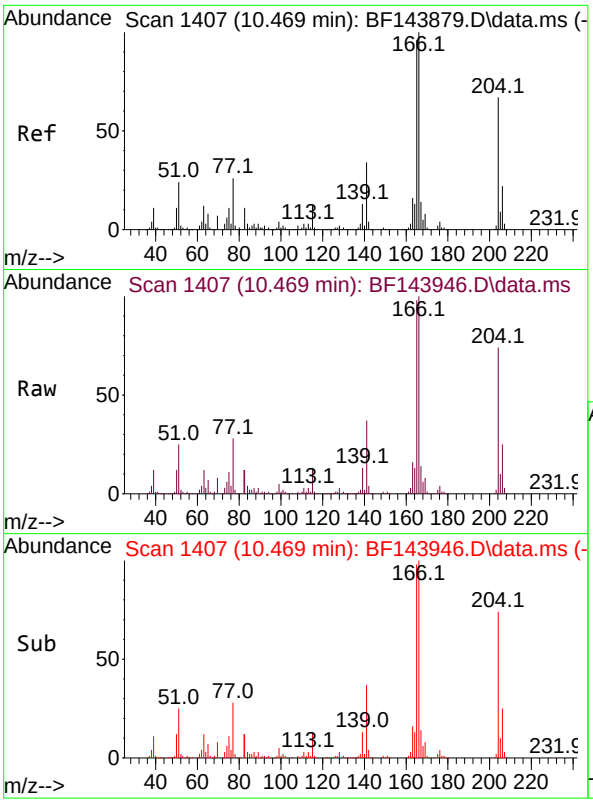


#60
Diethylphthalate
Concen: 40.437 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:149 Resp: 569179

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.9	26.9
150	12.4	9.8	14.8

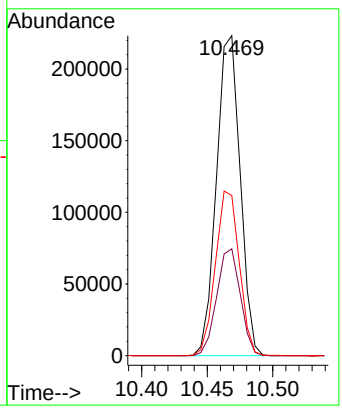




#61
4-Chlorophenyl-phenylether
Concen: 41.172 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:204 Resp: 28130

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	50.0	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
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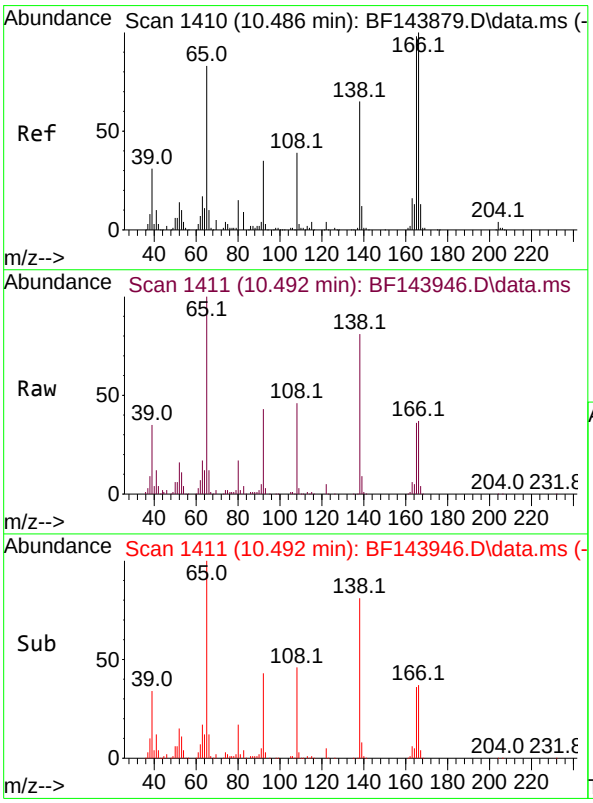
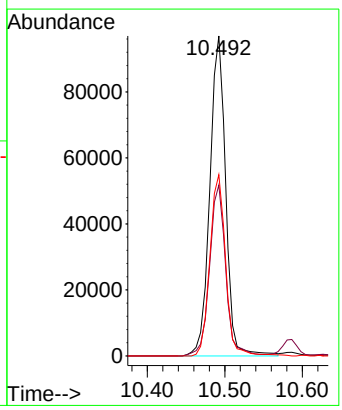
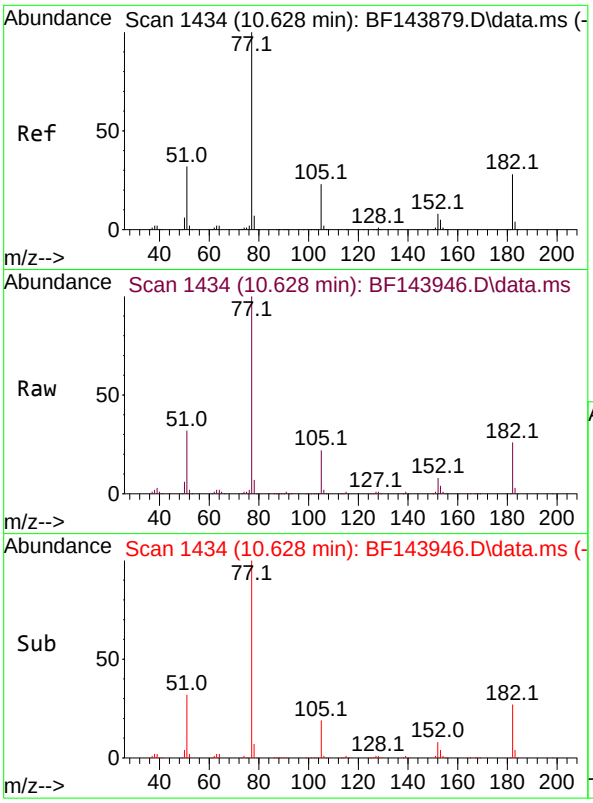


#62
4-Nitroaniline
Concen: 41.668 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:138 Resp: 137840

Ion	Ratio	Lower	Upper
138	100		
92	53.4	33.9	73.9
108	56.6	40.2	80.2

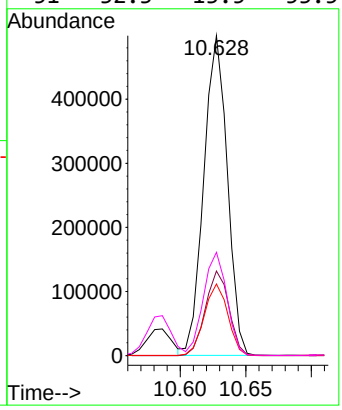




#63
Azobenzene
Concen: 42.361 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion: 77 Resp: 623168

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	22.4	3.0	43.0
51	32.3	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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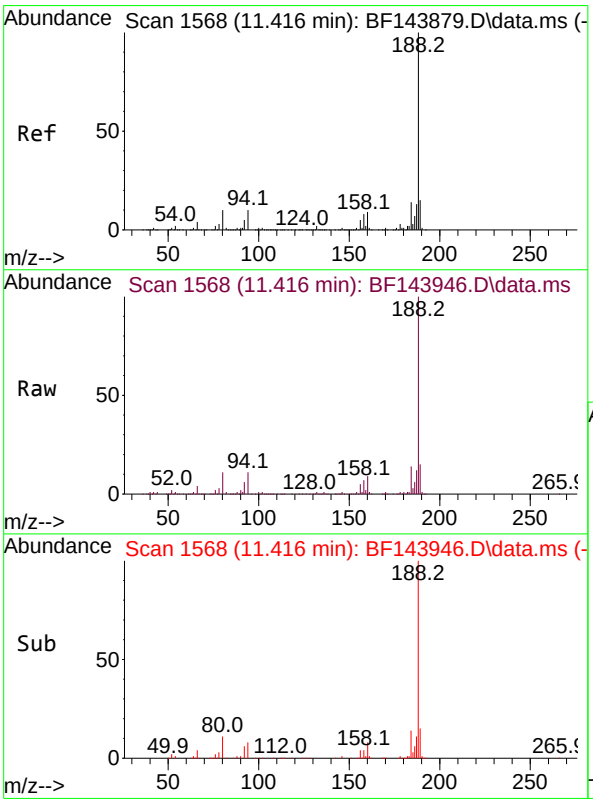
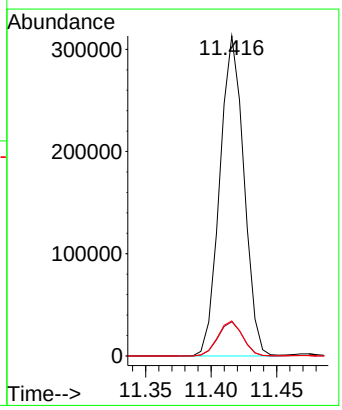
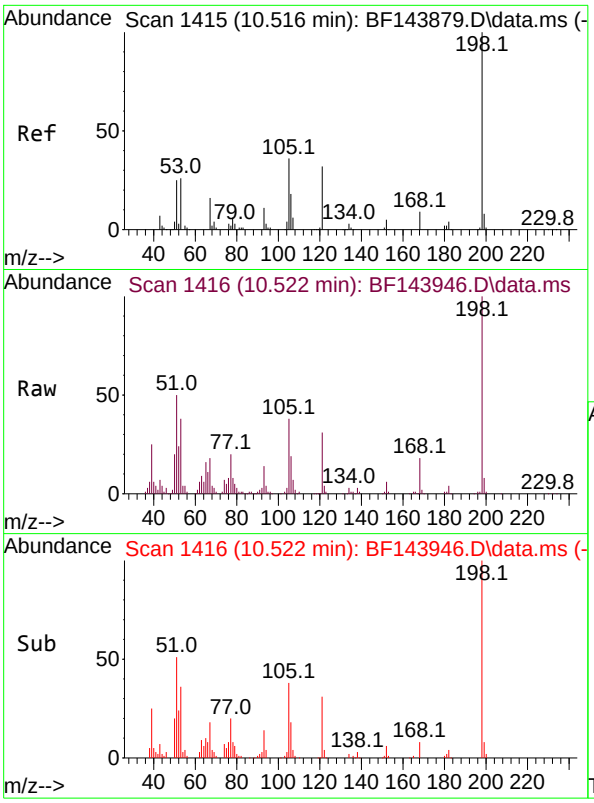


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:188 Resp: 401091

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	10.9	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 46.114 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:198 Resp: 9294

Ion	Ratio	Lower	Upper
198	100		
51	50.4	33.8	73.8
105	37.8	17.0	57.0

Instrument :
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ClientSampleId :
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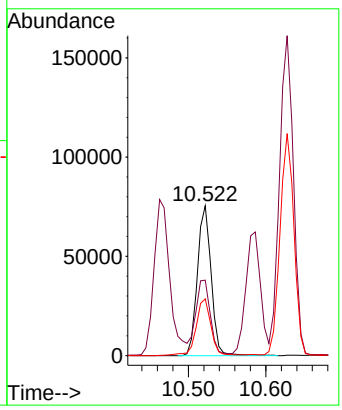
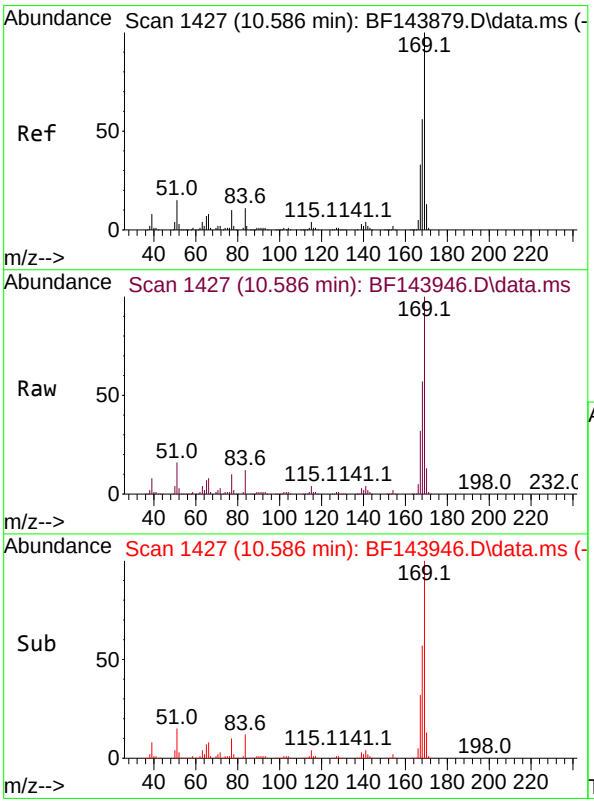
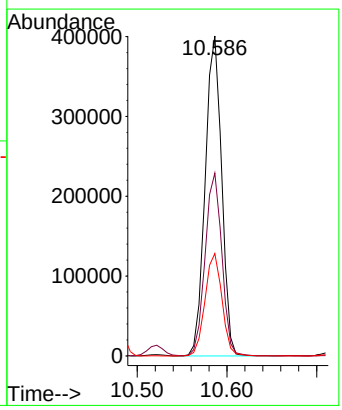


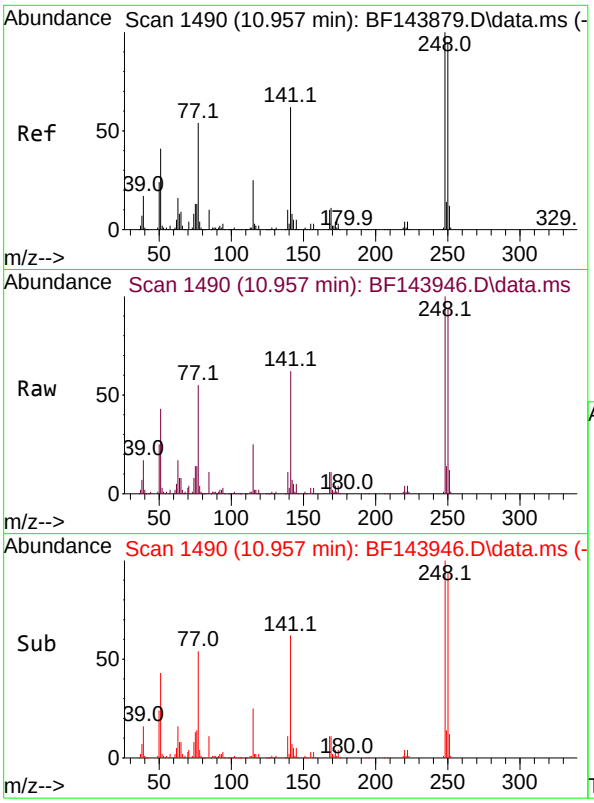


#66
n-Nitrosodiphenylamine
Concen: 40.545 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:169 Resp: 510617

Ion	Ratio	Lower	Upper
169	100		
168	57.1	44.9	67.3
167	32.0	26.3	39.5





#67
4-Bromophenyl-phenylether
Concen: 40.507 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:248 Resp: 17955

Ion	Ratio	Lower	Upper
248	100		
250	94.4	76.3	114.5
141	62.4	49.7	74.5

Instrument :
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ClientSampleId :
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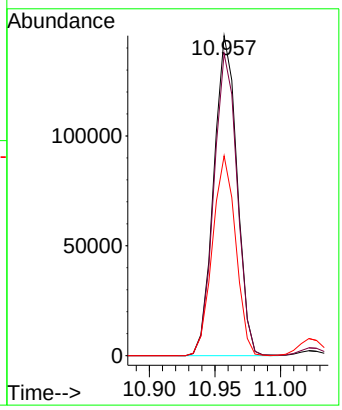
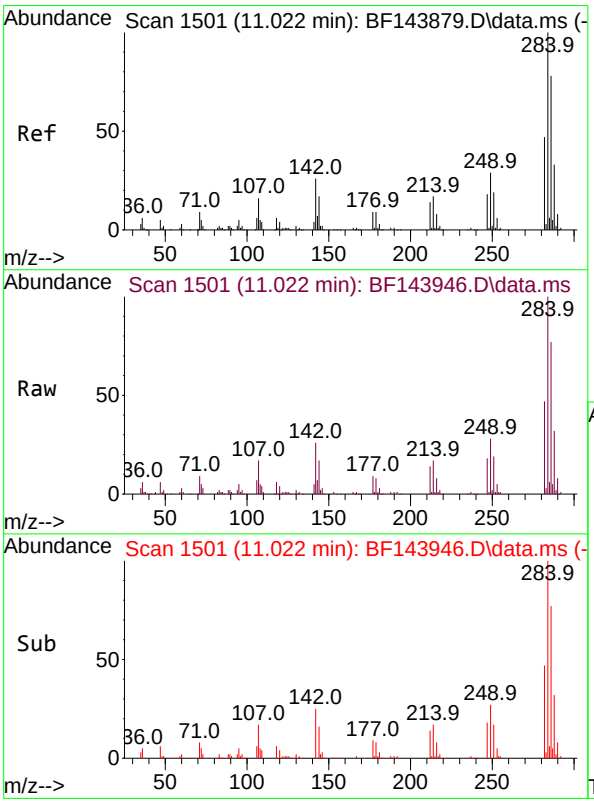
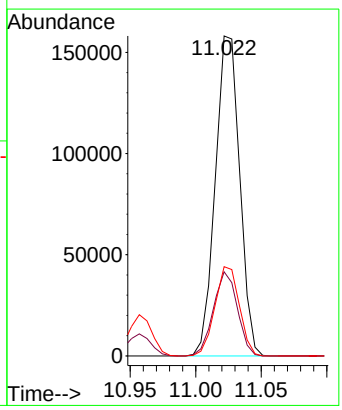


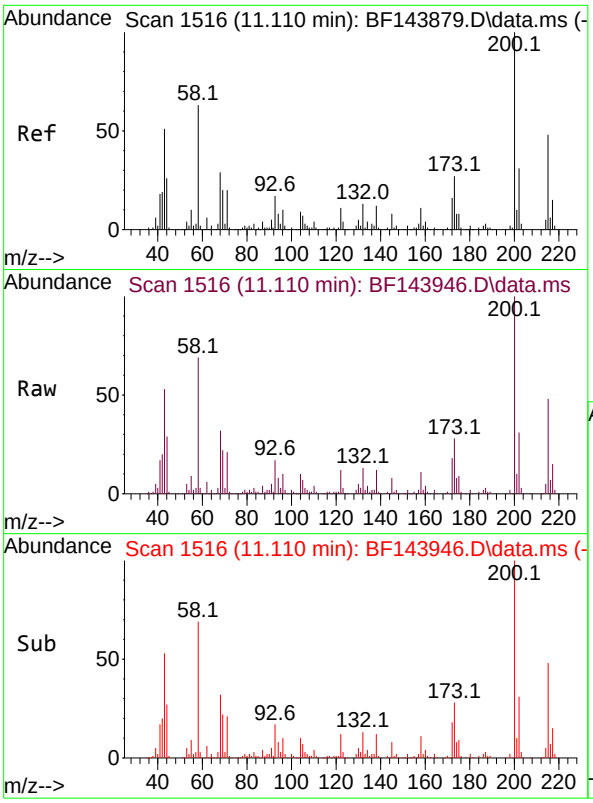


#68
Hexachlorobenzene
Concen: 39.902 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:284 Resp: 204767

Ion	Ratio	Lower	Upper
284	100		
142	26.3	20.6	30.8
249	27.9	23.2	34.8

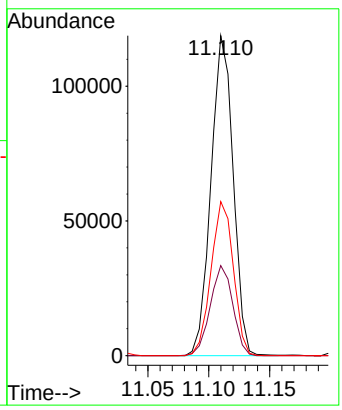




#69
Atrazine
Concen: 39.446 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:200 Resp: 15057

Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.0	47.0
215	48.1	27.8	67.8



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ClientSampleId :
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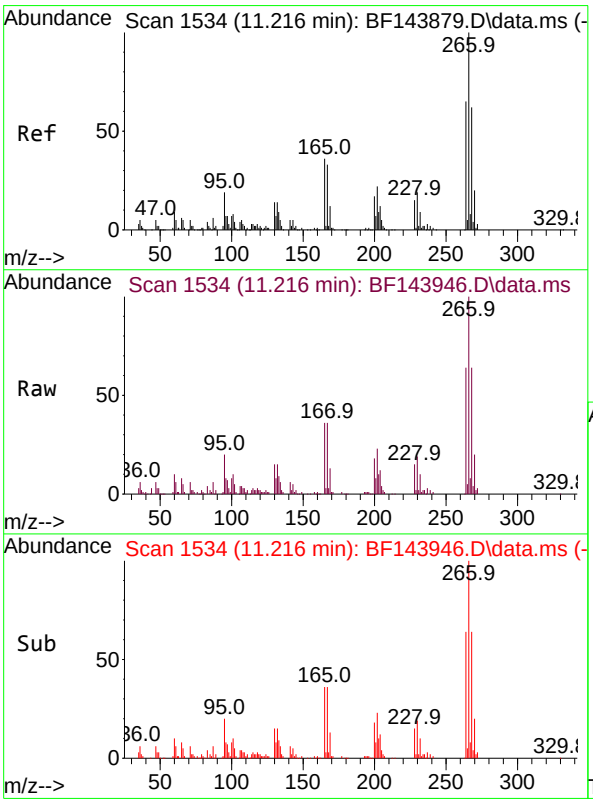
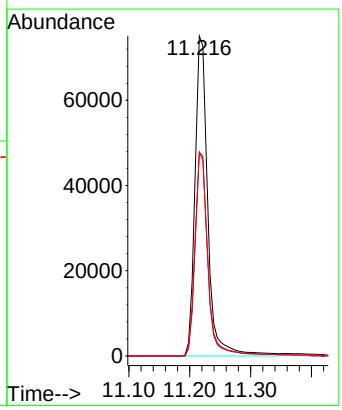
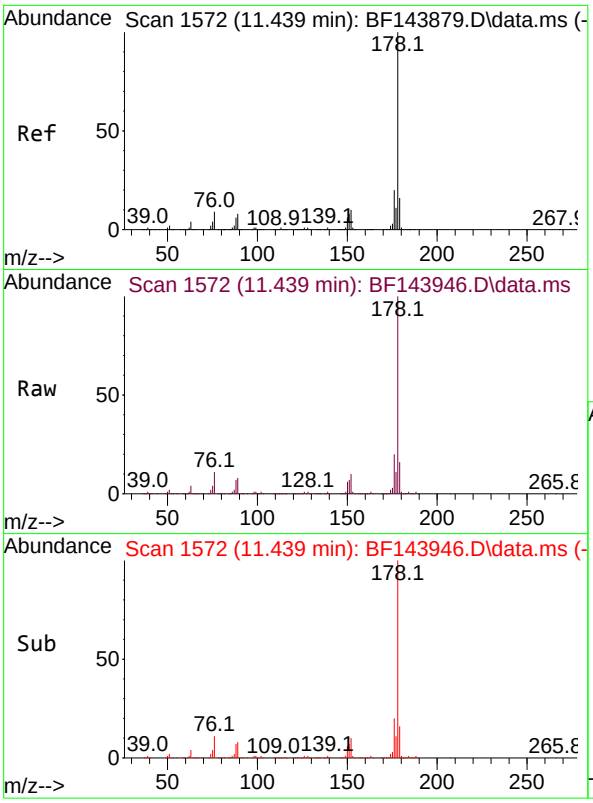


#70
Pentachlorophenol
Concen: 37.358 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:266 Resp: 110105

Ion	Ratio	Lower	Upper
266	100		
268	63.7	49.4	74.0
264	63.6	51.8	77.6

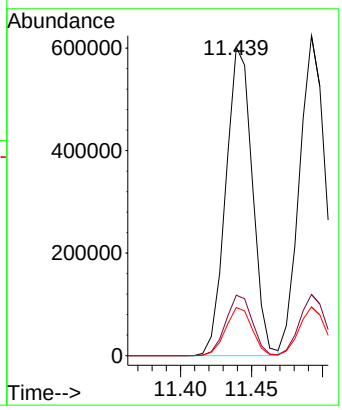




#71
Phenanthrene
Concen: 40.101 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:178 Resp: 77976

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.6	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
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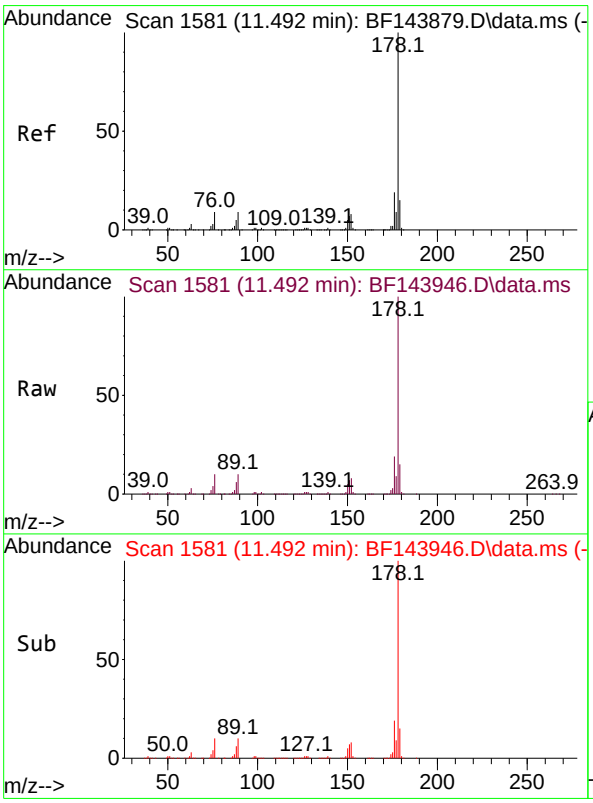
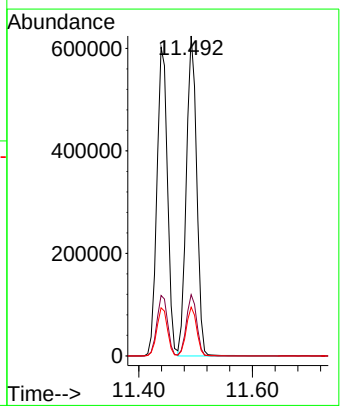
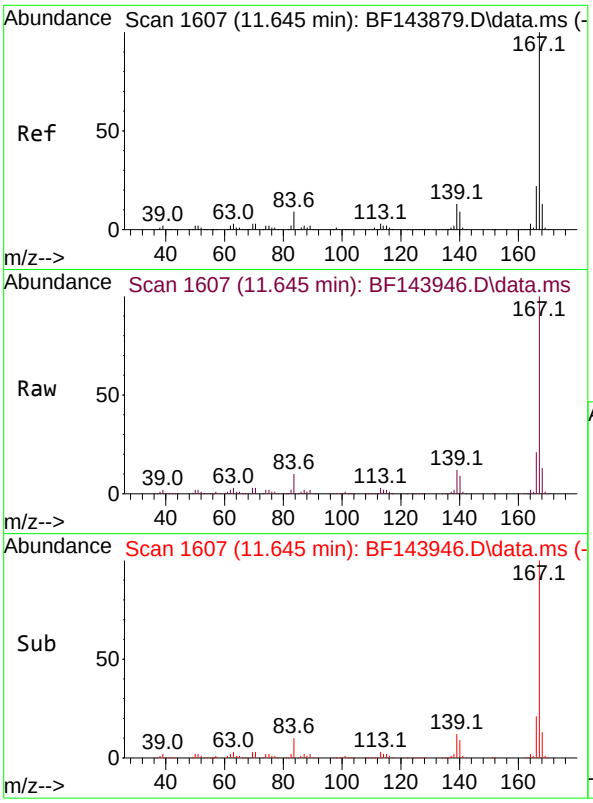


#72
Anthracene
Concen: 40.330 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:178 Resp: 792245

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.2	12.2	18.2

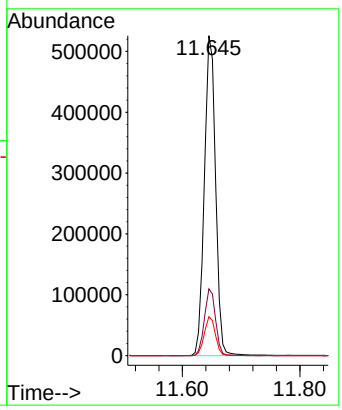




#73
Carbazole
Concen: 40.194 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:167 Resp: 69929

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.2	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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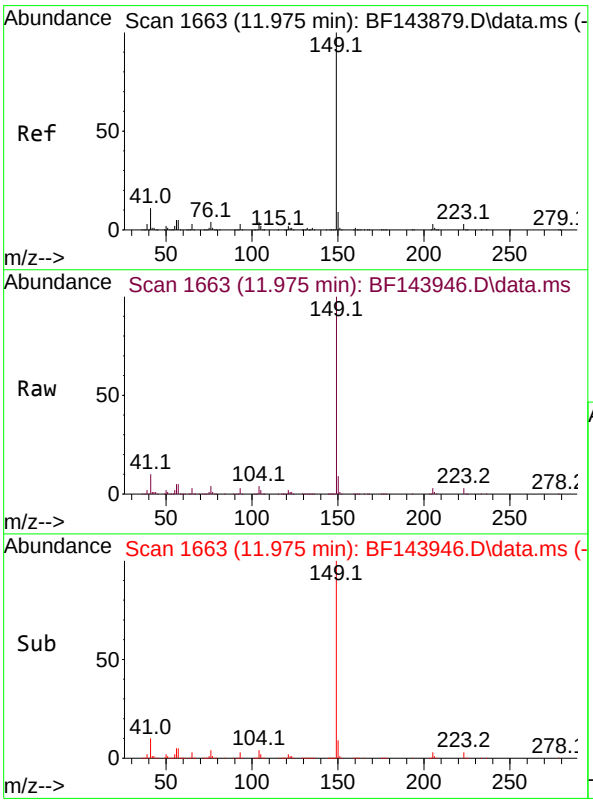
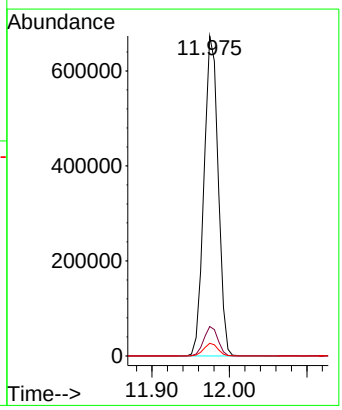
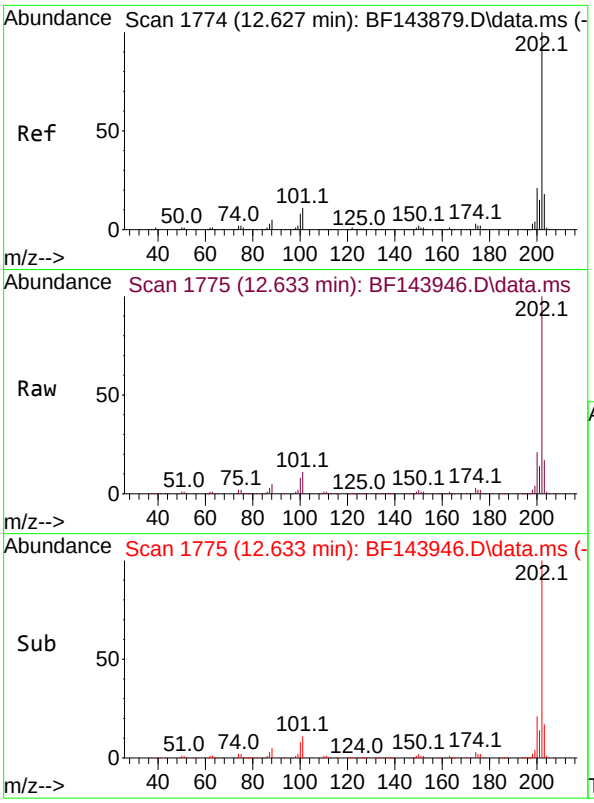


#74
Di-n-butylphthalate
Concen: 42.420 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:149 Resp: 855352

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	3.9	3.4	5.2

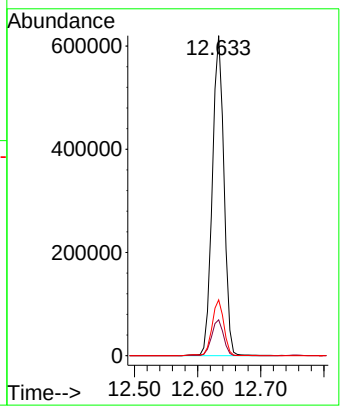




#75
Fluoranthene
Concen: 39.552 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:202 Resp: 79441

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.7
203	17.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
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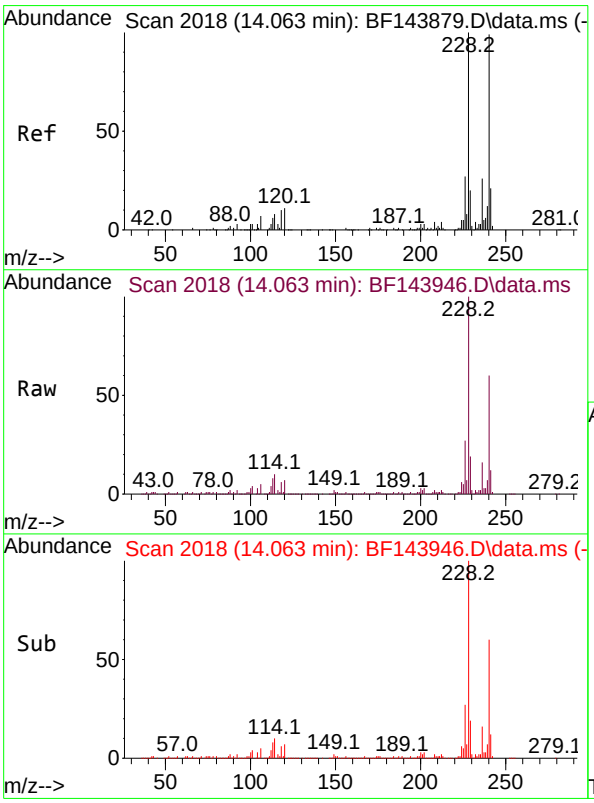
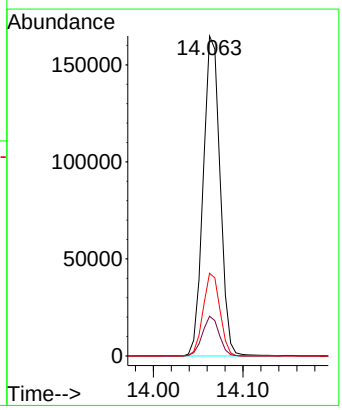
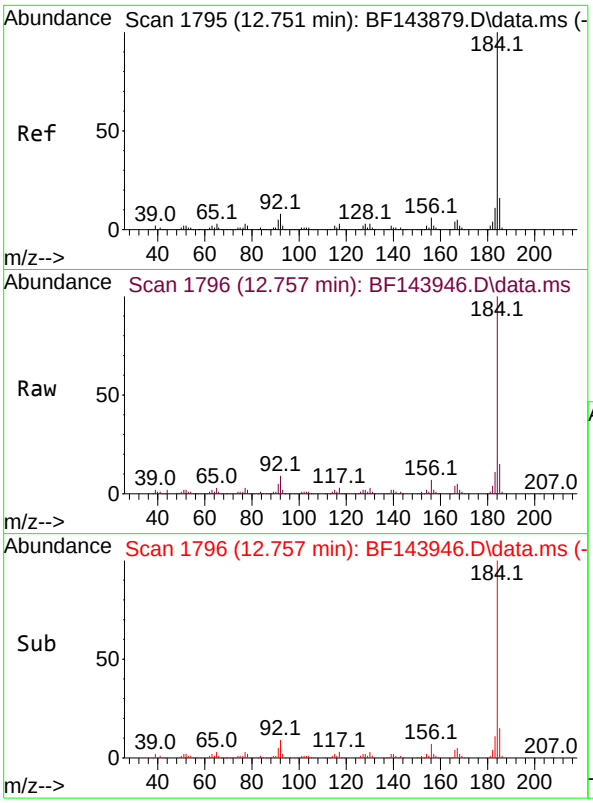


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:240 Resp: 215371

Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.6	13.0
236	25.8	21.1	31.7

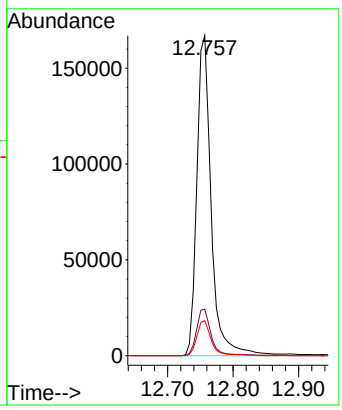




#77
Benzidine
Concen: 33.841 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:184 Resp: 25306

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	18.8
183	10.9	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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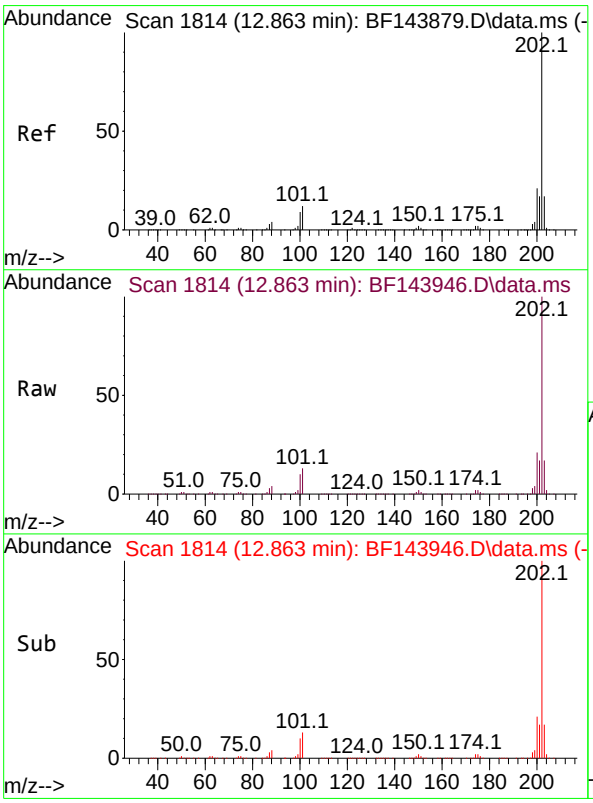
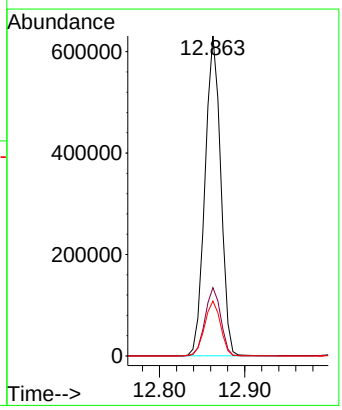
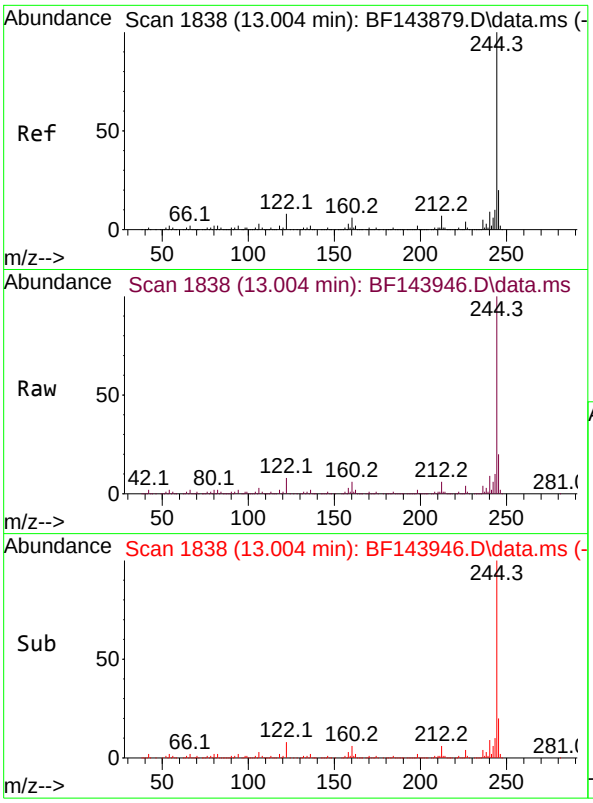


#78
Pyrene
Concen: 44.975 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:202 Resp: 807540

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.1	13.8	20.6

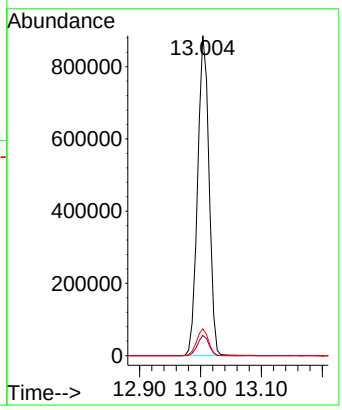




#79
Terphenyl-d14
Concen: 91.186 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:244 Resp: 114908

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.4	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
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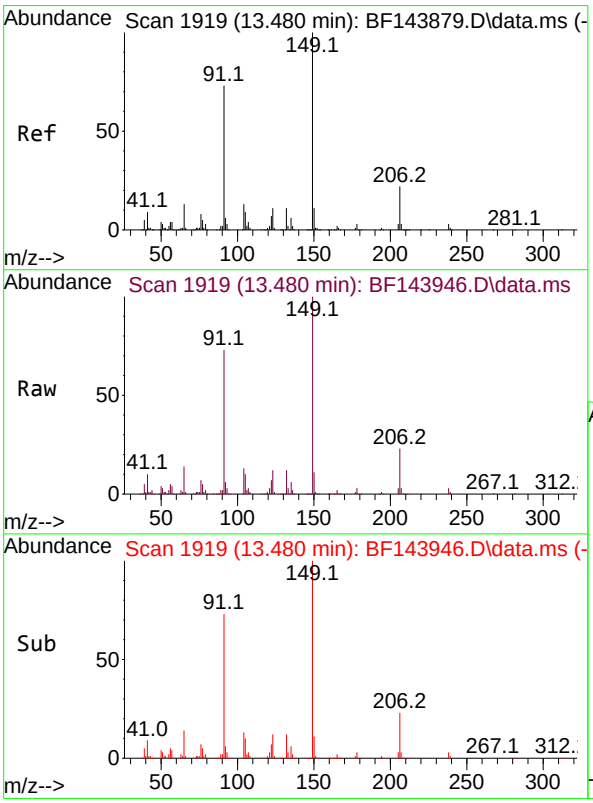
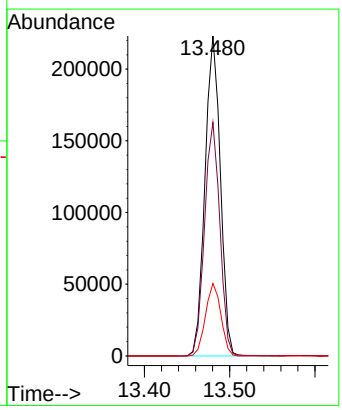
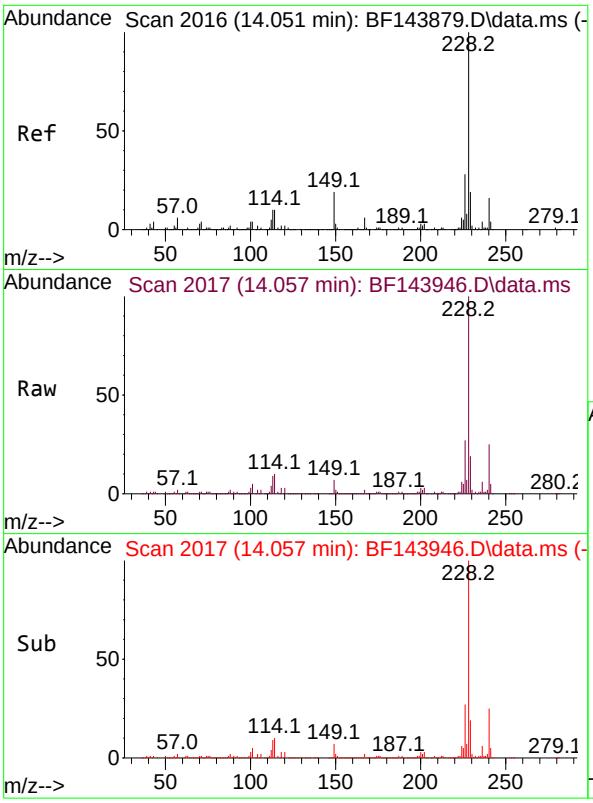


#80
Butylbenzylphthalate
Concen: 47.883 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:149 Resp: 279216

Ion	Ratio	Lower	Upper
149	100		
91	73.0	58.2	87.2
206	22.6	17.9	26.9

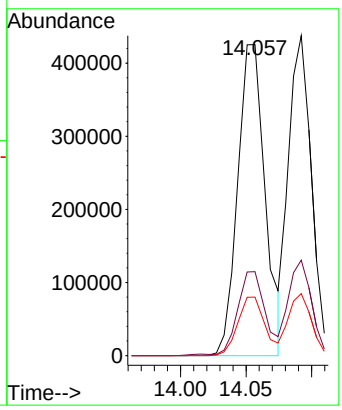




#81
Benzo(a)anthracene
Concen: 43.884 ng
RT: 14.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:228 Resp: 61849

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.2	33.2
229	18.8	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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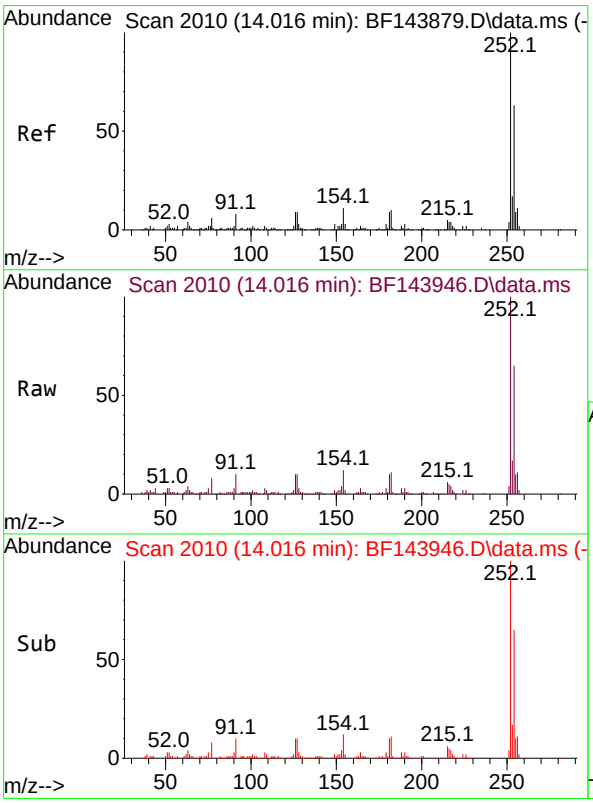
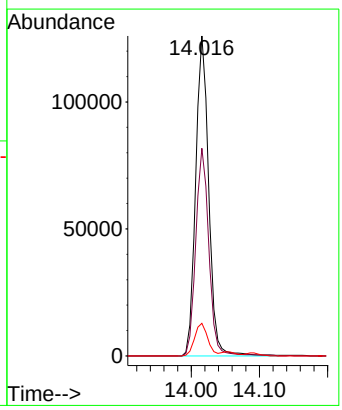
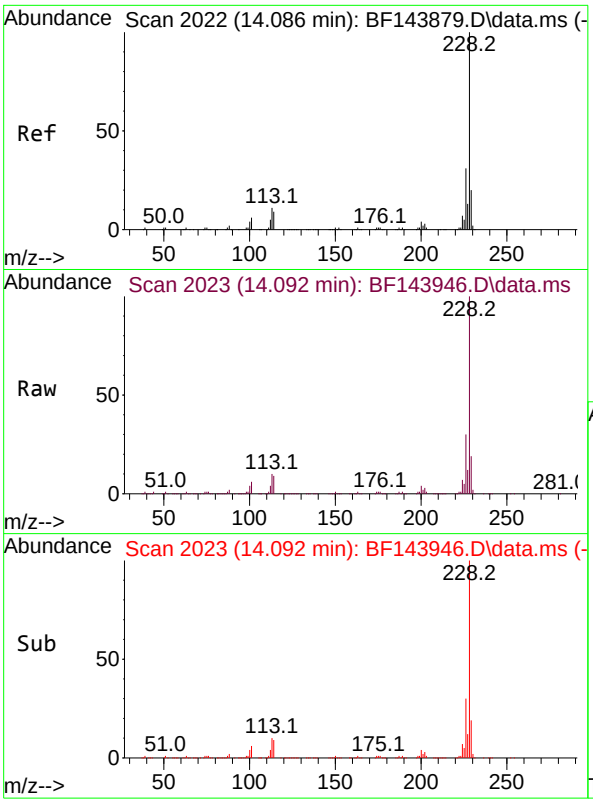


#82
3,3'-Dichlorobenzidine
Concen: 39.048 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:252 Resp: 167715

Ion	Ratio	Lower	Upper
252	100		
254	64.9	50.6	76.0
126	10.2	7.0	10.6

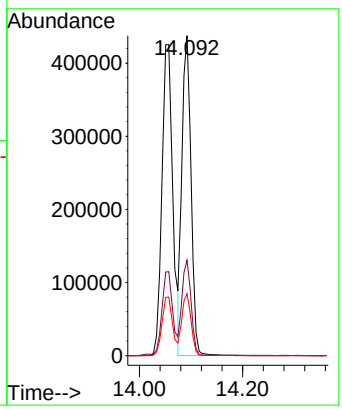




#83
Chrysene
Concen: 41.053 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:228 Resp: 53551

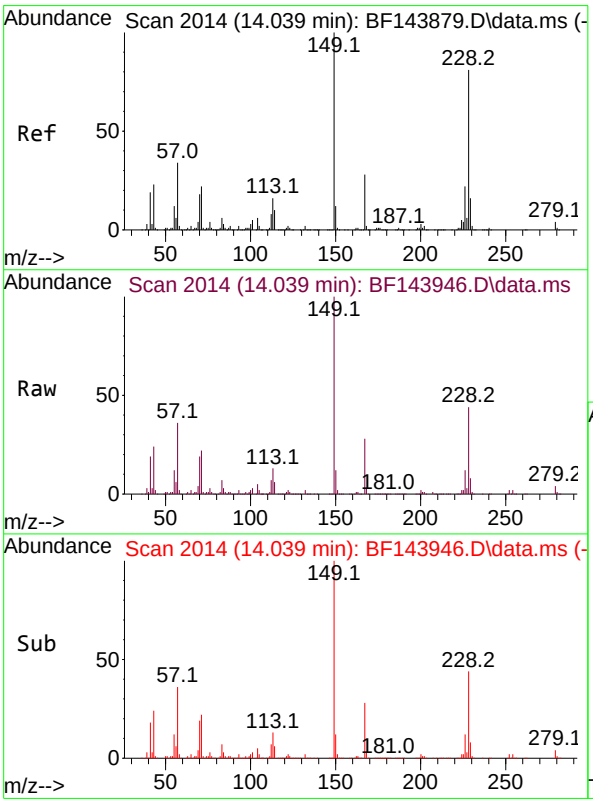
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

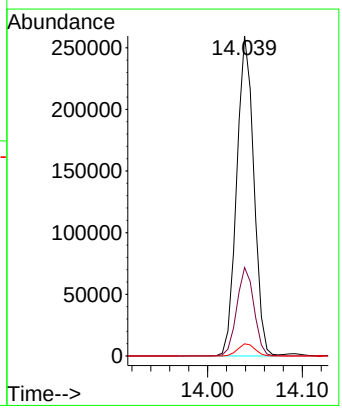
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

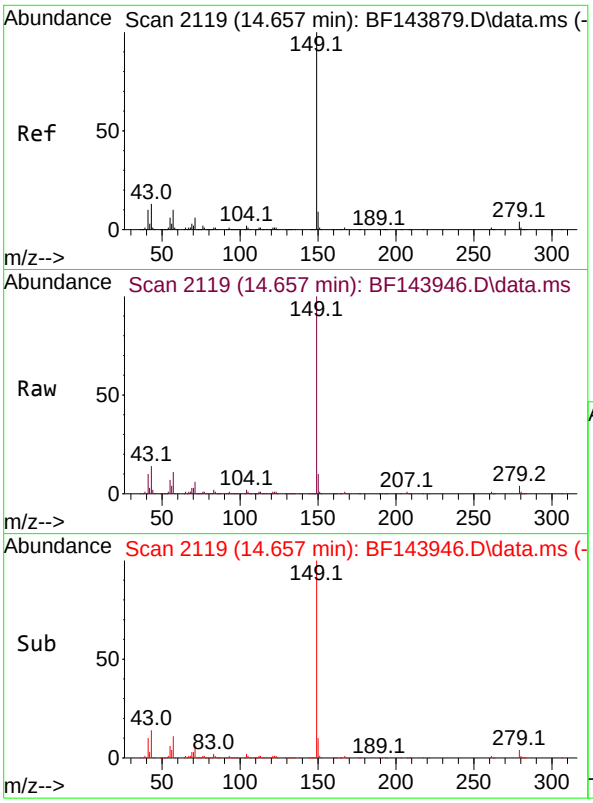


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.436 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:149 Resp: 326413

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	3.8	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 43.470 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

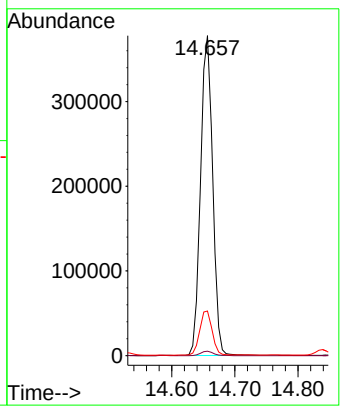
Tgt Ion:149 Resp: 50187

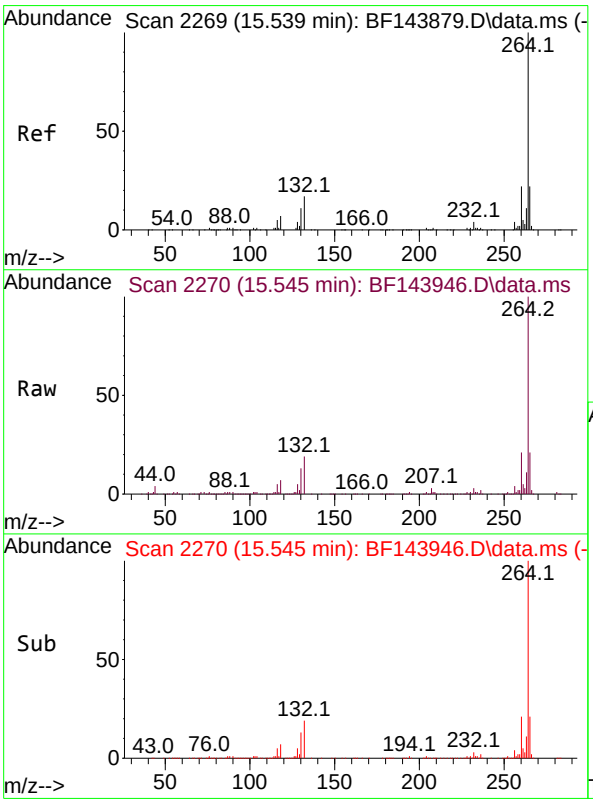
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.3	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

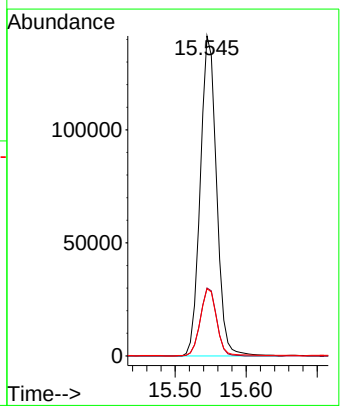


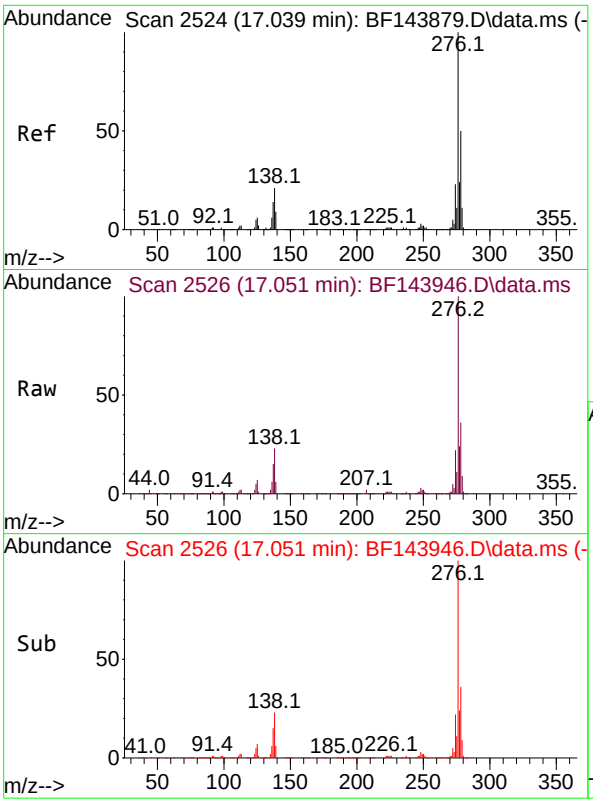


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:264 Resp: 223666

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.8	26.8
265	21.0	17.5	26.3

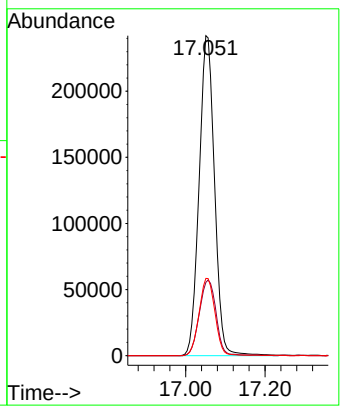




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.723 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:276 Resp: 65404

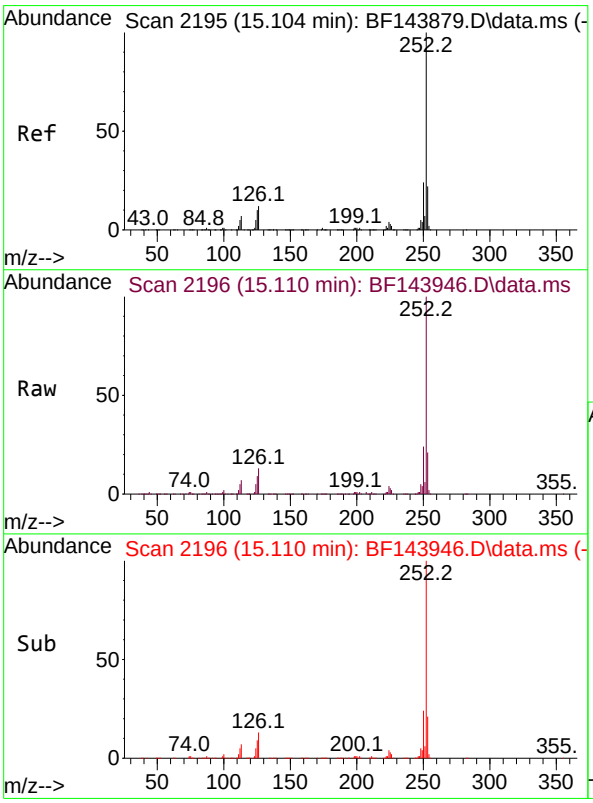
Ion	Ratio	Lower	Upper
276	100		
138	25.6	18.2	27.2
277	24.9	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

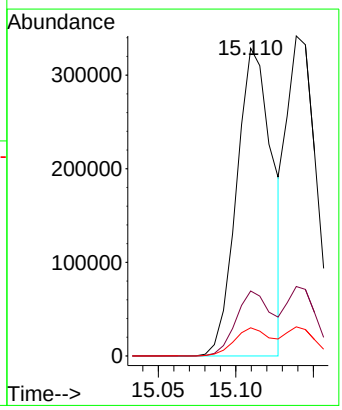
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

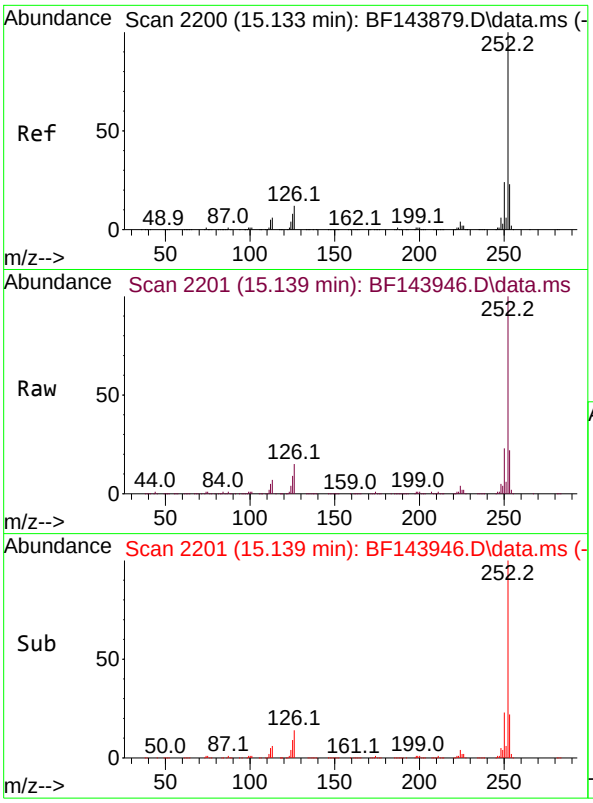


#88
Benzo(b)fluoranthene
Concen: 41.093 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:252 Resp: 527965

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.2
125	9.1	7.8	11.6

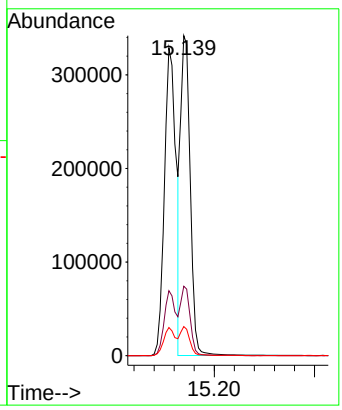




#89
Benzo(k)fluoranthene
Concen: 38.576 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:252 Resp: 45860

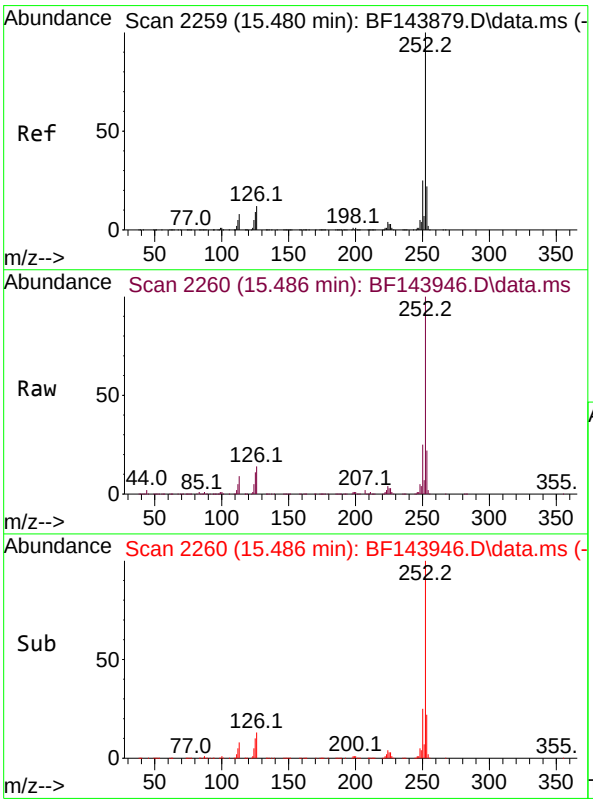
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.1	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

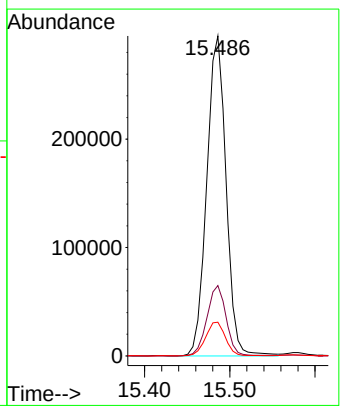
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

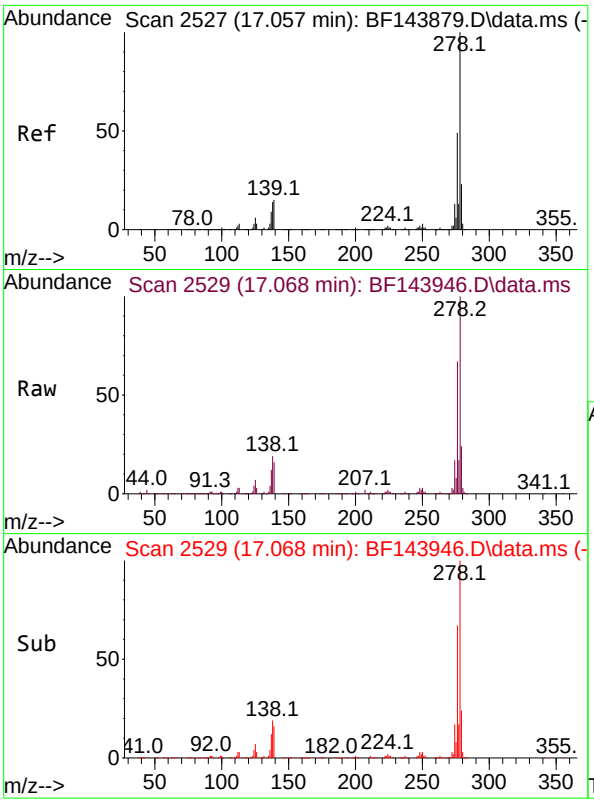


#90
Benzo(a)pyrene
Concen: 41.746 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:252 Resp: 465078

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	10.5	7.0	10.4#

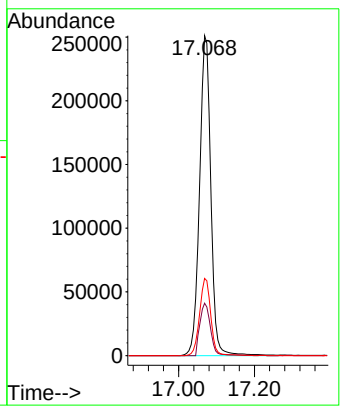




#91
Dibenzo(a,h)anthracene
Concen: 46.900 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:278 Resp: 51694

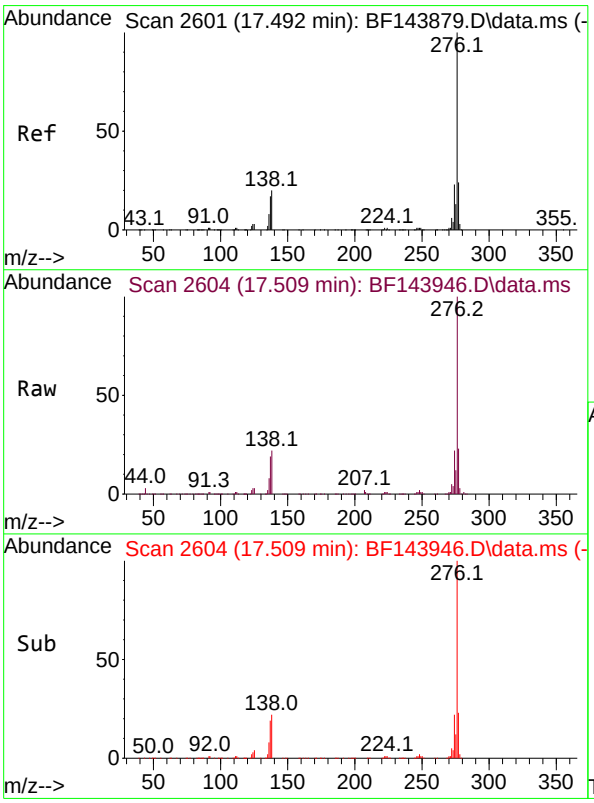
Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.7	17.5
279	24.1	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

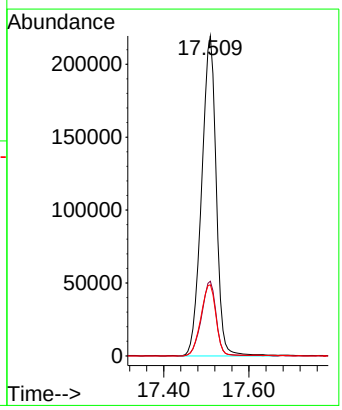
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#92
Benzo(g,h,i)perylene
Concen: 47.220 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Tgt Ion:276 Resp: 520481

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.6
138	22.2	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.583	0.641	-9.9	112	-0.02
3		Pyridine	1.697	1.823	-7.4	109	-0.02
4		n-Nitrosodimethylamine	0.893	0.897	-0.4	105	-0.04
5	S	2-Fluorophenol	1.259	1.310	-4.1	106	0.00
6		Aniline	2.250	2.233	0.8	101	0.00
7	S	Phenol-d6	1.501	1.541	-2.7	106	0.00
8		2-Chlorophenol	1.231	1.302	-5.8	107	0.00
9		Benzaldehyde	1.158	1.233	-6.5	98	0.00
10	C	Phenol	1.795	1.891	-5.3	109	-0.01
11		bis(2-Chloroethyl)ether	1.386	1.423	-2.7	104	-0.01
12		1,3-Dichlorobenzene	1.474	1.464	0.7	102	0.00
13	C	1,4-Dichlorobenzene	1.454	1.478	-1.7	105	0.00
14		1,2-Dichlorobenzene	1.392	1.428	-2.6	106	0.00
15		Benzyl Alcohol	1.125	1.124	0.1	102	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	3.174	-0.6	104	0.00
17		2-Methylphenol	1.017	1.014	0.3	102	0.00
18		Hexachloroethane	0.485	0.504	-3.9	107	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.867	15.7	90	-0.02
20		3+4-Methylphenols	1.179	1.146	2.8	96	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.423	0.402	5.0	94	-0.01
23	S	Nitrobenzene-d5	0.329	0.353	-7.3	103	-0.01
24		Nitrobenzene	0.366	0.387	-5.7	100	0.00
25		Isophorone	0.694	0.639	7.9	91	-0.02
26	C	2-Nitrophenol	0.157	0.180	-14.6	104	0.00
27		2,4-Dimethylphenol	0.282	0.276	2.1	94	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.412	5.9	94	0.00
29	C	2,4-Dichlorophenol	0.294	0.291	1.0	95	0.00
30		1,2,4-Trichlorobenzene	0.289	0.302	-4.5	102	0.00
31		Naphthalene	0.910	0.905	0.5	98	0.00
32		Benzoic acid	0.195	0.179	8.2	90	-0.04
33		4-Chloroaniline	0.341	0.323	5.3	92	0.00
34	C	Hexachlorobutadiene	0.201	0.202	-0.5	98	0.00
35		Caprolactam	0.093	0.086	7.5	91	-0.04
36	C	4-Chloro-3-methylphenol	0.282	0.267	5.3	93	0.00
37		2-Methylnaphthalene	0.606	0.560	7.6	92	0.00
38		1-Methylnaphthalene	0.588	0.532	9.5	89	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.594	-7.4	92	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.197	14.0	70	0.00
42	S	2,4,6-Tribromophenol	0.199	0.199	0.0	88	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.405	-0.2	84	0.00
44		2,4,5-Trichlorophenol	0.427	0.443	-3.7	89	0.00
45	S	2-Fluorobiphenyl	1.260	1.191	5.5	89	0.00
46		1,1'-Biphenyl	1.324	1.345	-1.6	90	0.00
47		2-Chloronaphthalene	1.104	1.133	-2.6	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	0.349	0.395	-13.2	93	0.00
49		Acenaphthylene	1.552	1.575	-1.5	89	0.00
50		Dimethylphthalate	1.270	1.296	-2.0	92	0.00
51		2,6-Dinitrotoluene	0.236	0.266	-12.7	93	-0.01
52	C	Acenaphthene	1.017	1.027	-1.0	90	0.00
53		3-Nitroaniline	0.288	0.309	-7.3	92	-0.01
54	P	2,4-Dinitrophenol	0.118	0.124	-5.1	95	0.00
55		Dibenzofuran	1.436	1.446	-0.7	89	0.00
56	P	4-Nitrophenol	0.218	0.224	-2.8	88	0.00
57		2,4-Dinitrotoluene	0.320	0.368	-15.0	92	0.00
58		Fluorene	1.083	1.080	0.3	90	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.313	-3.6	88	0.00
60		Diethylphthalate	1.180	1.193	-1.1	90	0.00
61		4-Chlorophenyl-phenylether	0.573	0.590	-3.0	91	0.00
62		4-Nitroaniline	0.277	0.289	-4.3	91	-0.02
63		Azobenzene	1.233	1.306	-5.9	94	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.116	-14.9	94	-0.01
66	c	n-Nitrosodiphenylamine	0.628	0.637	-1.4	87	0.00
67		4-Bromophenyl-phenylether	0.221	0.224	-1.4	87	0.00
68		Hexachlorobenzene	0.256	0.255	0.4	86	0.00
69		Atrazine	0.190	0.188	1.1	87	-0.01
70	C	Pentachlorophenol	0.147	0.137	6.8	79	0.00
71		Phenanthrene	0.970	0.972	-0.2	90	0.00
72		Anthracene	0.980	0.988	-0.8	87	0.00
73		Carbazole	0.868	0.872	-0.5	89	0.00
74		Di-n-butylphthalate	1.005	1.066	-6.1	91	0.00
75	C	Fluoranthene	1.002	0.990	1.2	86	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77		Benzidine	0.694	0.588	15.3	65	0.00
78		Pyrene	1.667	1.875	-12.5	85	0.00
79	S	Terphenyl-d14	1.170	1.334	-14.0	88	0.00
80		Butylbenzylphthalate	0.542	0.648	-19.6	88	0.00
81		Benzo(a)anthracene	1.309	1.436	-9.7	87	0.00
82		3,3'-Dichlorobenzidine	0.399	0.389	2.5	75	0.00
83		Chrysene	1.211	1.243	-2.6	81	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.758	-16.1	87	0.00
85	c	Di-n-octyl phthalate	1.072	1.165	-8.7	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.462	-19.3	94	0.00
88		Benzo(b)fluoranthene	1.149	1.180	-2.7	83	0.00
89		Benzo(k)fluoranthene	1.063	1.025	3.6	82	0.00
90	C	Benzo(a)pyrene	0.996	1.040	-4.4	84	0.00
91		Dibenzo(a,h)anthracene	0.986	1.156	-17.2	91	-0.01
92		Benzo(g,h,i)perylene	0.986	1.164	-18.1	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2		1,4-Dioxane	40.000	44.024	-10.1	112	-0.02
3		Pyridine	40.000	42.990	-7.5	109	-0.02
4		n-Nitrosodimethylamine	40.000	40.207	-0.5	105	-0.04
5	S	2-Fluorophenol	80.000	83.226	-4.0	106	0.00
6		Aniline	40.000	39.710	0.7	101	0.00
7	S	Phenol-d6	80.000	82.116	-2.6	106	0.00
8		2-Chlorophenol	40.000	42.289	-5.7	107	0.00
9		Benzaldehyde	40.000	42.575	-6.4	98	0.00
10	C	Phenol	40.000	42.151	-5.4	109	-0.01
11		bis(2-Chloroethyl)ether	40.000	41.059	-2.6	104	-0.01
12		1,3-Dichlorobenzene	40.000	39.733	0.7	102	0.00
13	C	1,4-Dichlorobenzene	40.000	40.666	-1.7	105	0.00
14		1,2-Dichlorobenzene	40.000	41.014	-2.5	106	0.00
15		Benzyl Alcohol	40.000	39.983	0.0	102	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	40.234	-0.6	104	0.00
17		2-Methylphenol	40.000	39.882	0.3	102	0.00
18		Hexachloroethane	40.000	41.592	-4.0	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	33.743	15.6	90	-0.02
20		3+4-Methylphenols	40.000	38.875	2.8	96	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	38.069	4.8	94	-0.01
23	S	Nitrobenzene-d5	80.000	85.752	-7.2	103	-0.01
24		Nitrobenzene	40.000	42.351	-5.9	100	0.00
25		Isophorone	40.000	36.826	7.9	91	-0.02
26	C	2-Nitrophenol	40.000	45.985	-15.0	104	0.00
27		2,4-Dimethylphenol	40.000	39.190	2.0	94	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.593	6.0	94	0.00
29	C	2,4-Dichlorophenol	40.000	39.575	1.1	95	0.00
30		1,2,4-Trichlorobenzene	40.000	41.843	-4.6	102	0.00
31		Naphthalene	40.000	39.806	0.5	98	0.00
32		Benzoic acid	40.000	36.773	8.1	90	-0.04
33		4-Chloroaniline	40.000	37.877	5.3	92	0.00
34	C	Hexachlorobutadiene	40.000	40.211	-0.5	98	0.00
35		Caprolactam	40.000	36.920	7.7	91	-0.04
36	C	4-Chloro-3-methylphenol	40.000	37.794	5.5	93	0.00
37		2-Methylnaphthalene	40.000	36.965	7.6	92	0.00
38		1-Methylnaphthalene	40.000	36.193	9.5	89	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	92	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.993	-7.5	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.302	14.2	70	0.00
42	S	2,4,6-Tribromophenol	80.000	79.800	0.3	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.115	-0.3	84	0.00
44		2,4,5-Trichlorophenol	40.000	41.502	-3.8	89	0.00
45	S	2-Fluorobiphenyl	80.000	75.586	5.5	89	0.00
46		1,1'-Biphenyl	40.000	40.618	-1.5	90	0.00
47		2-Chloronaphthalene	40.000	41.064	-2.7	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	45.320	-13.3	93	0.00
49		Acenaphthylene	40.000	40.578	-1.4	89	0.00
50		Dimethylphthalate	40.000	40.809	-2.0	92	0.00
51		2,6-Dinitrotoluene	40.000	45.141	-12.9	93	-0.01
52	C	Acenaphthene	40.000	40.405	-1.0	90	0.00
53		3-Nitroaniline	40.000	42.822	-7.1	92	-0.01
54	P	2,4-Dinitrophenol	40.000	38.075	4.8	95	0.00
55		Dibenzofuran	40.000	40.297	-0.7	89	0.00
56	P	4-Nitrophenol	40.000	41.065	-2.7	88	0.00
57		2,4-Dinitrotoluene	40.000	45.966	-14.9	92	0.00
58		Fluorene	40.000	39.886	0.3	90	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.453	-3.6	88	0.00
60		Diethylphthalate	40.000	40.437	-1.1	90	0.00
61		4-Chlorophenyl-phenylether	40.000	41.172	-2.9	91	0.00
62		4-Nitroaniline	40.000	41.668	-4.2	91	-0.02
63		Azobenzene	40.000	42.361	-5.9	94	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	90	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.114	-15.3	94	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.545	-1.4	87	0.00
67		4-Bromophenyl-phenylether	40.000	40.507	-1.3	87	0.00
68		Hexachlorobenzene	40.000	39.902	0.2	86	0.00
69		Atrazine	40.000	39.446	1.4	87	-0.01
70	C	Pentachlorophenol	40.000	37.358	6.6	79	0.00
71		Phenanthrene	40.000	40.101	-0.3	90	0.00
72		Anthracene	40.000	40.330	-0.8	87	0.00
73		Carbazole	40.000	40.194	-0.5	89	0.00
74		Di-n-butylphthalate	40.000	42.420	-6.1	91	0.00
75	C	Fluoranthene	40.000	39.552	1.1	86	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77		Benzidine	40.000	33.841	15.4	65	0.00
78		Pyrene	40.000	44.975	-12.4	85	0.00
79	S	Terphenyl-d14	80.000	91.186	-14.0	88	0.00
80		Butylbenzylphthalate	40.000	47.883	-19.7	88	0.00
81		Benzo(a)anthracene	40.000	43.884	-9.7	87	0.00
82		3,3'-Dichlorobenzidine	40.000	39.048	2.4	75	0.00
83		Chrysene	40.000	41.053	-2.6	81	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	46.436	-16.1	87	0.00
85	c	Di-n-octyl phthalate	40.000	43.470	-8.7	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.723	-19.3	94	0.00
88		Benzo(b)fluoranthene	40.000	41.093	-2.7	83	0.00
89		Benzo(k)fluoranthene	40.000	38.576	3.6	82	0.00
90	C	Benzo(a)pyrene	40.000	41.746	-4.4	84	0.00
91		Dibenzo(a,h)anthracene	40.000	46.900	-17.2	91	-0.01
92		Benzo(g,h,i)perylene	40.000	47.220	-18.0	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

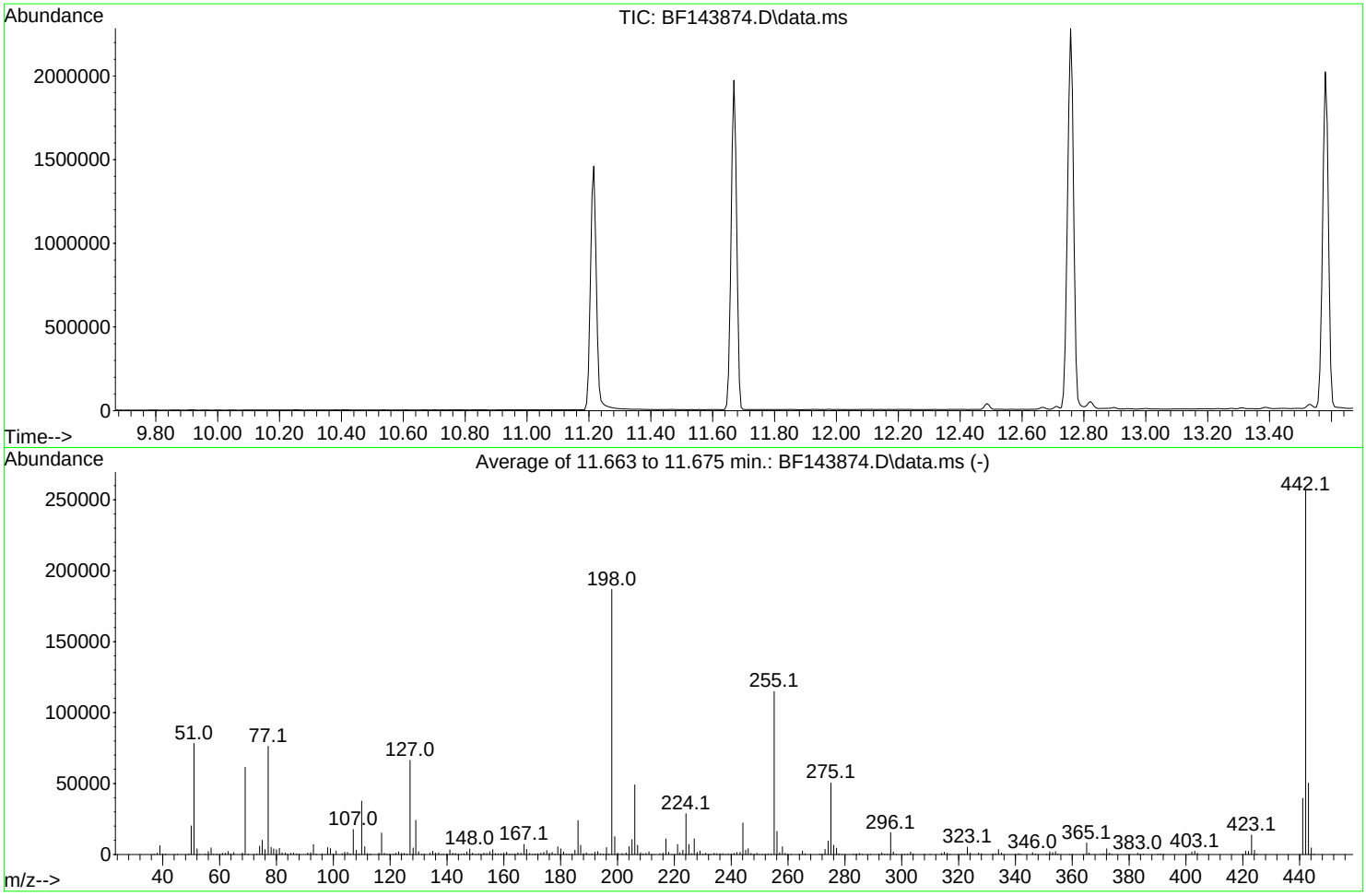
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



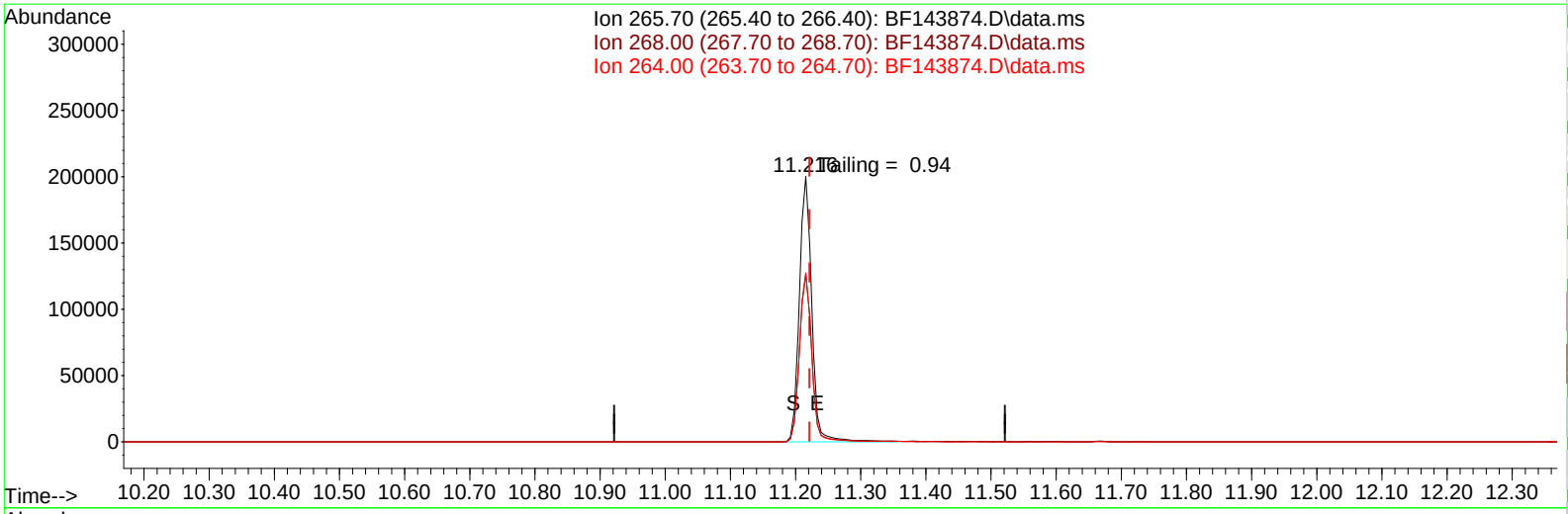
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

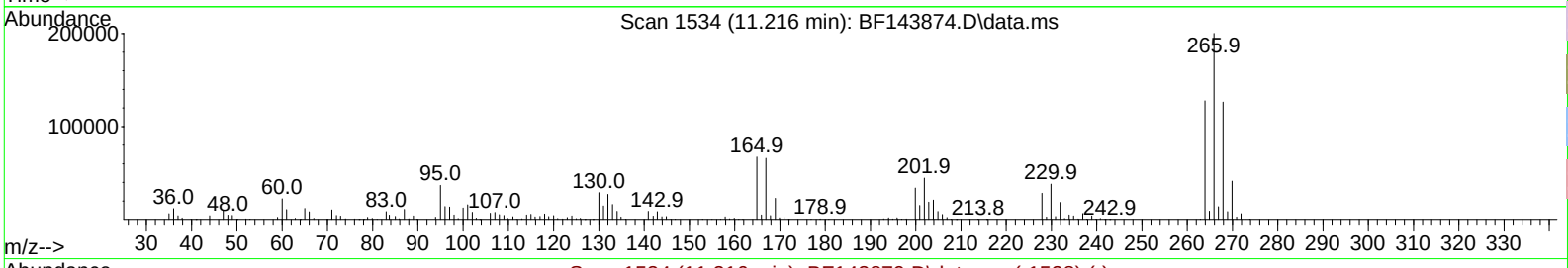
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	971	PASS
69	69	100	100	100.0	61475	PASS
70	69	0.00	2	0.4	240	PASS
197	198	0.00	2	0.3	472	PASS
198	198	100	100	100.0	186859	PASS
199	198	5	9	6.7	12573	PASS
365	198	1	100	4.3	8075	PASS
441	443	0.01	150	78.8	39600	PASS
442	442	100	100	100.0	256555	PASS
443	442	15	24	19.6	50245	PASS

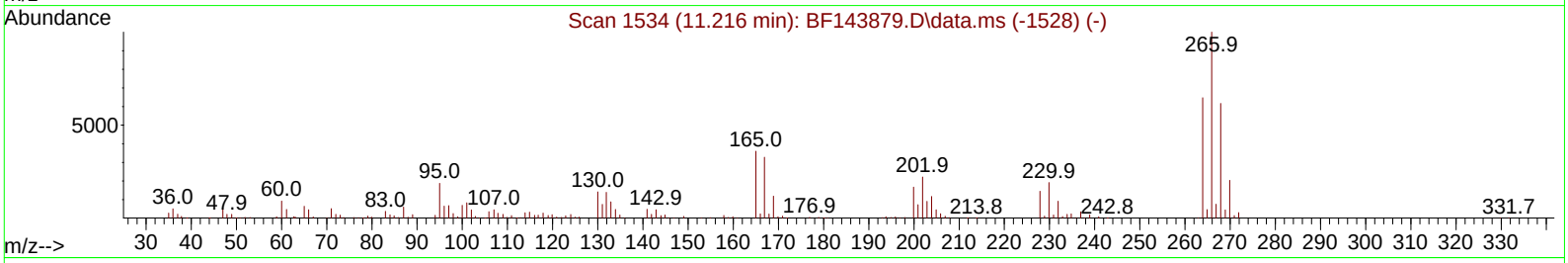
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143874.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 36564.81 ng

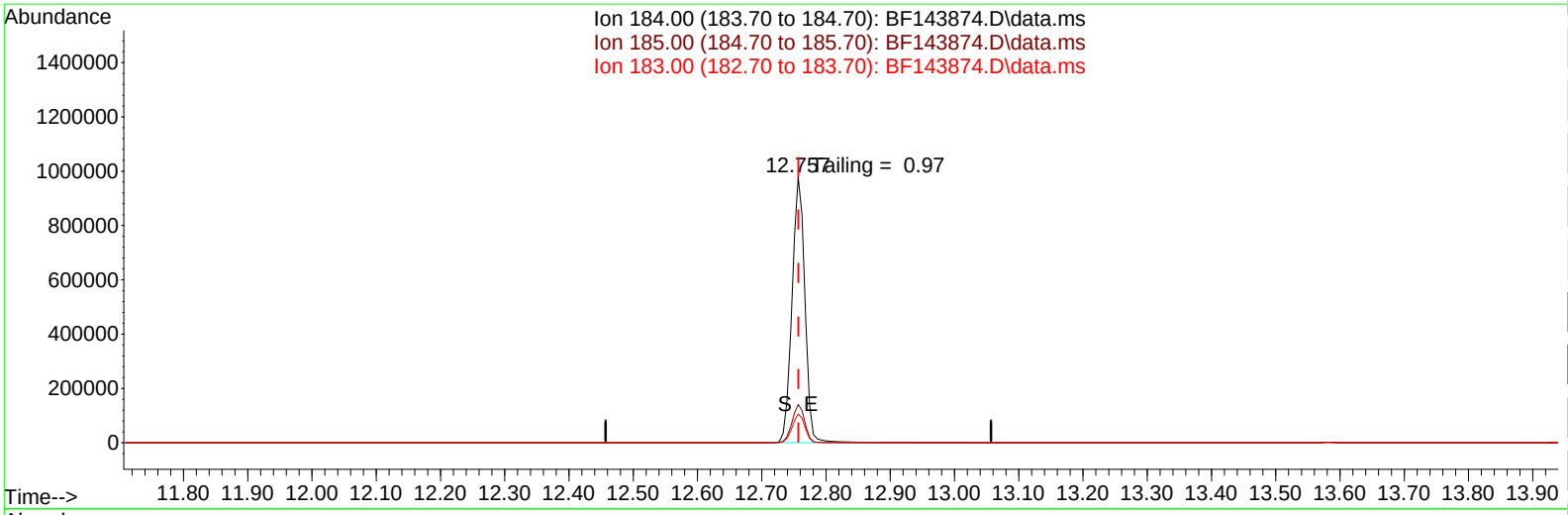
response 265194

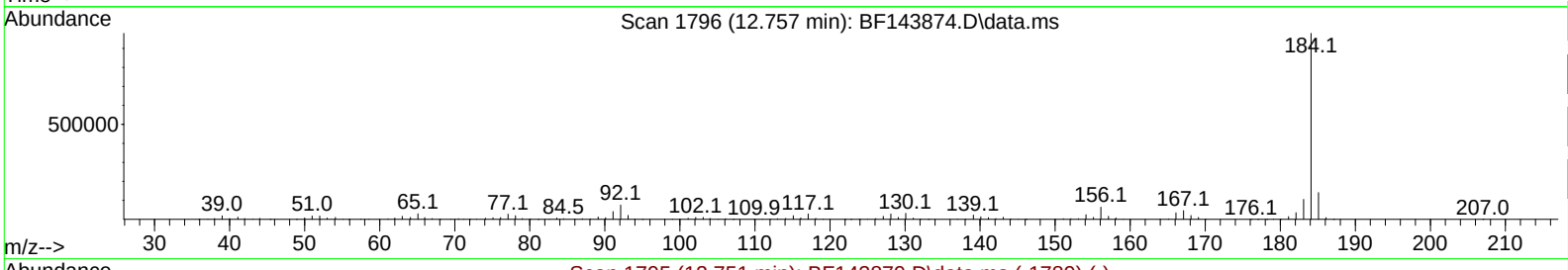
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.10
264.00	64.70	63.76
0.00	0.00	0.00

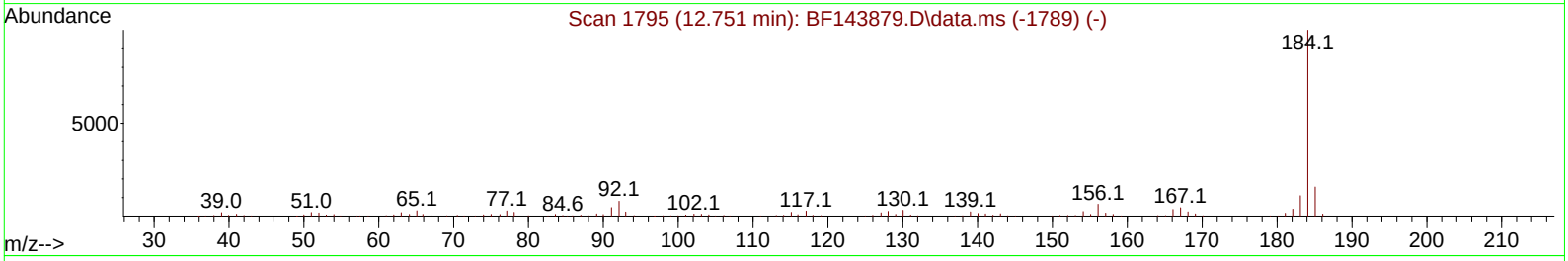
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143874.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 1371993

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.38
183.00	11.00	10.78
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

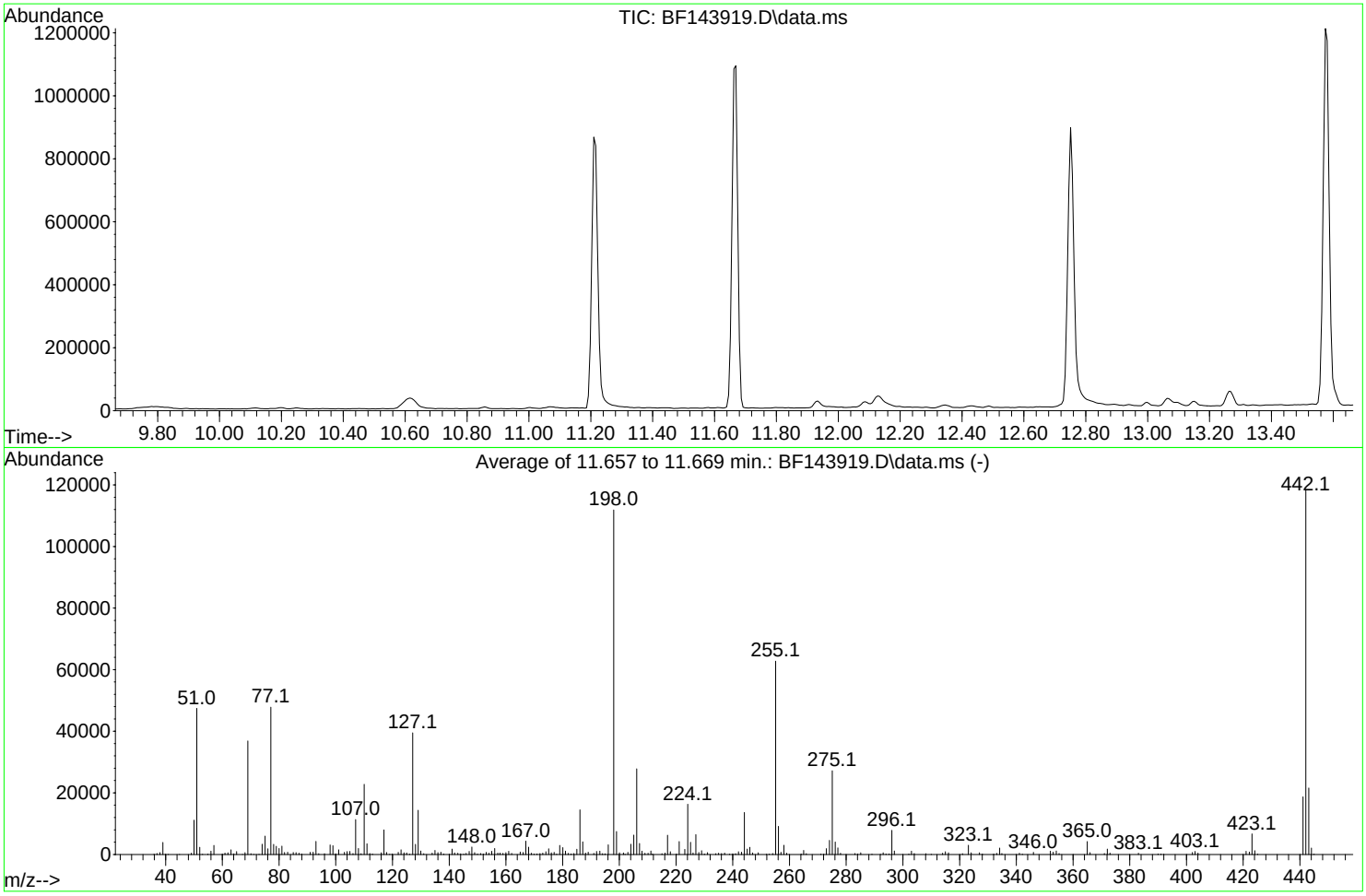
Date	Instrument Name	DFTPP Data File
10/6/2025	BNA_F	BF143874.D
Compound Name	**Response**	**Retention Time**
DDT	503395	13.58
DDD	4048	13.31
DDE	763	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4811	508206	0.95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143919.D
Acq On : 10 Oct 2025 11:33
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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



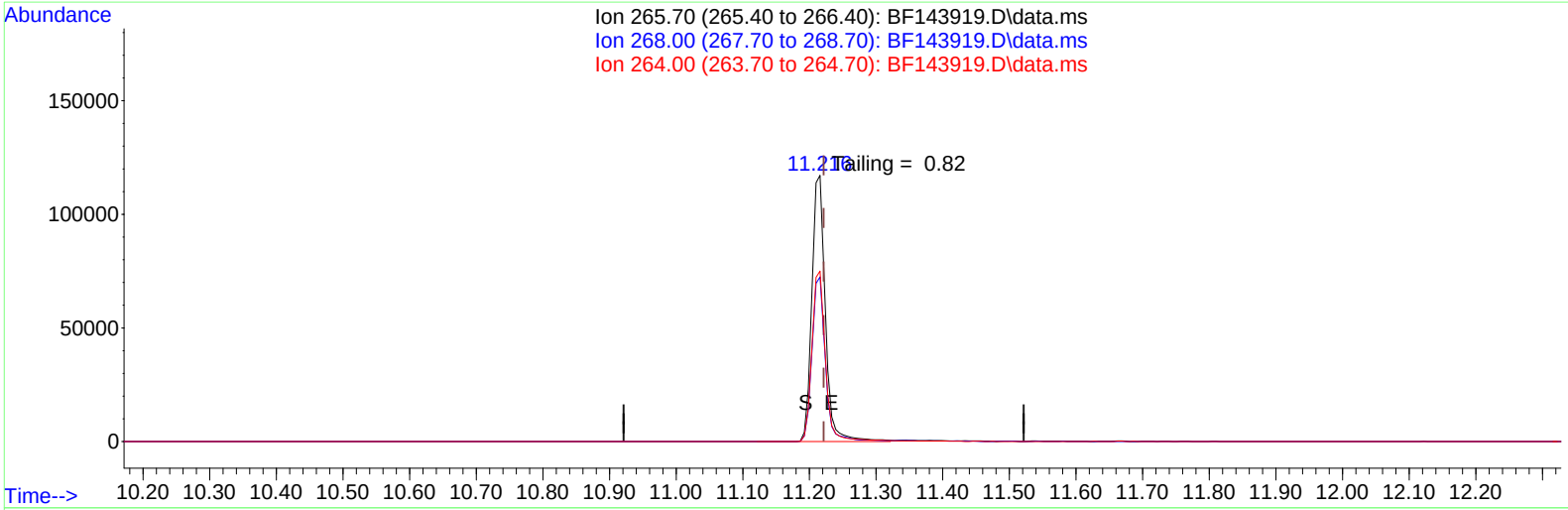
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

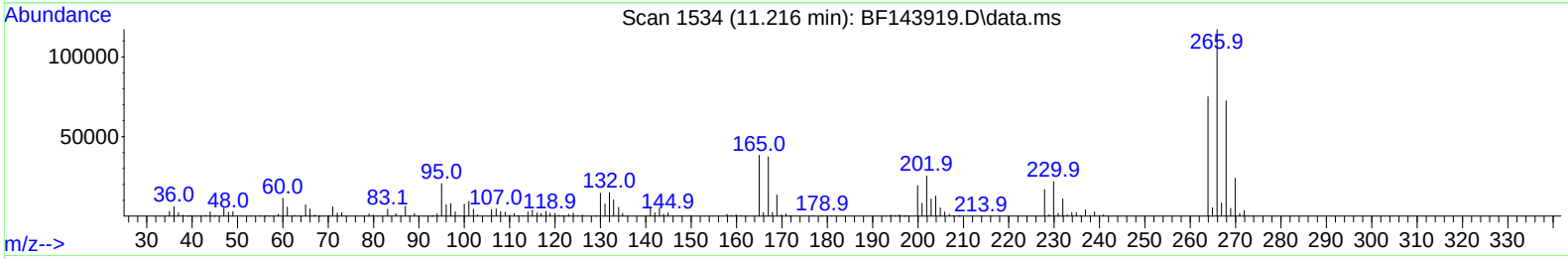
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	596	PASS
69	69	100	100	100.0	36837	PASS
70	69	0.00	2	0.7	249	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	111853	PASS
199	198	5	9	6.7	7452	PASS
365	198	1	100	3.8	4202	PASS
441	443	0.01	150	86.7	18693	PASS
442	442	100	100	100.0	118192	PASS
443	442	15	24	18.2	21559	PASS

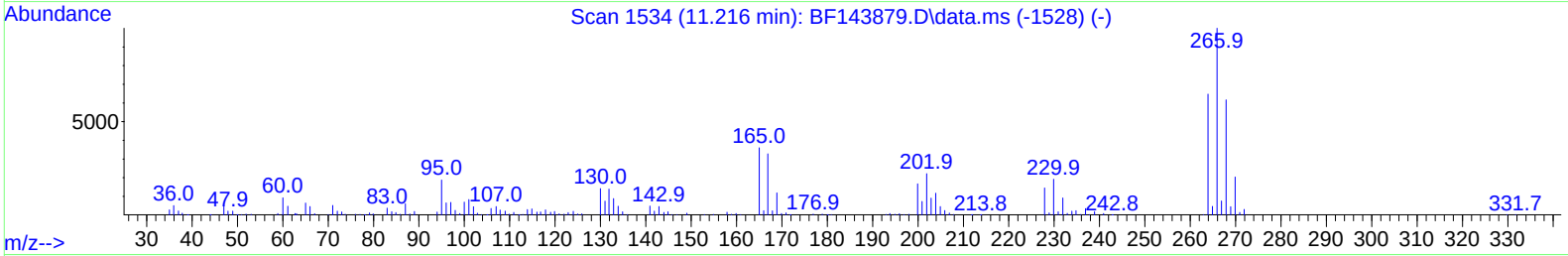
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143919.D
Acq On : 10 Oct 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 10 13:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143919.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 39764.54 ng

response 165677

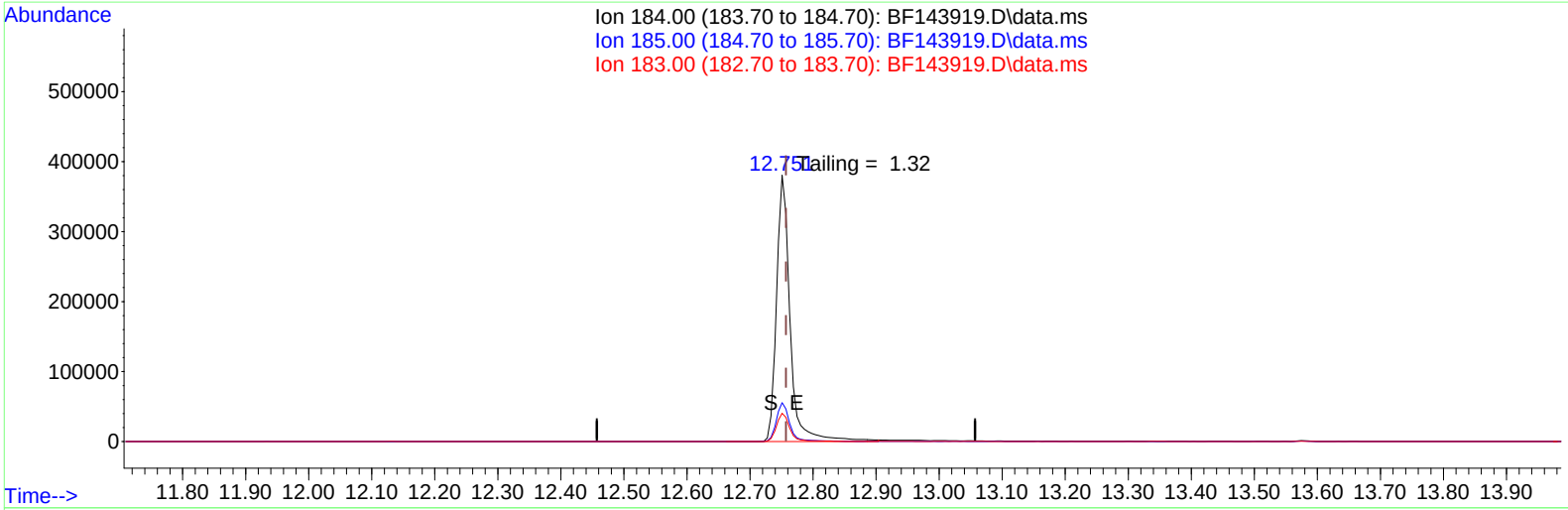
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	61.81
264.00	64.70	64.01
0.00	0.00	0.00

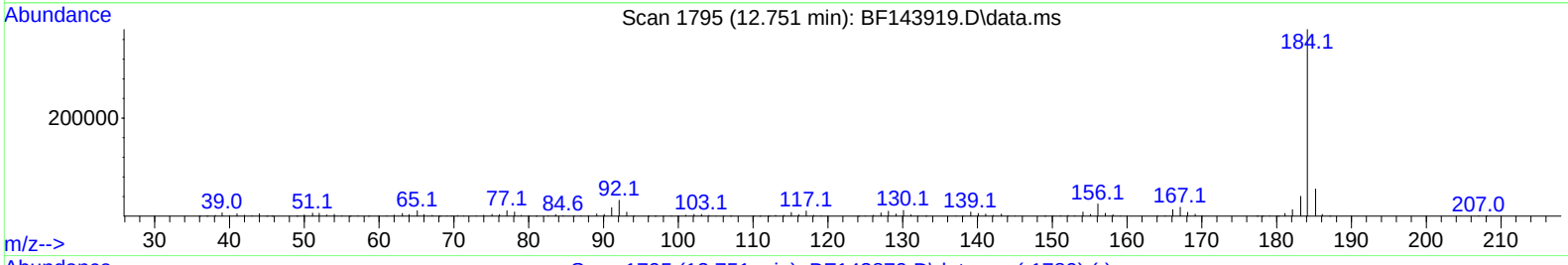
Sample Results: **BF143919.D**

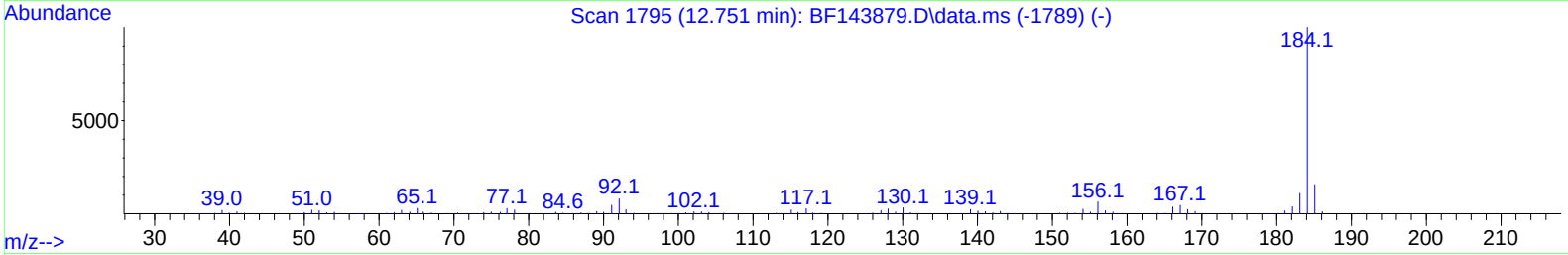
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143919.D
Acq On : 10 Oct 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 10 13:10:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143919.D\data.ms

(77) Benzidine

12.751min (-0.006) 0.00 ng

response 579712

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.63
183.00	11.00	10.64
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

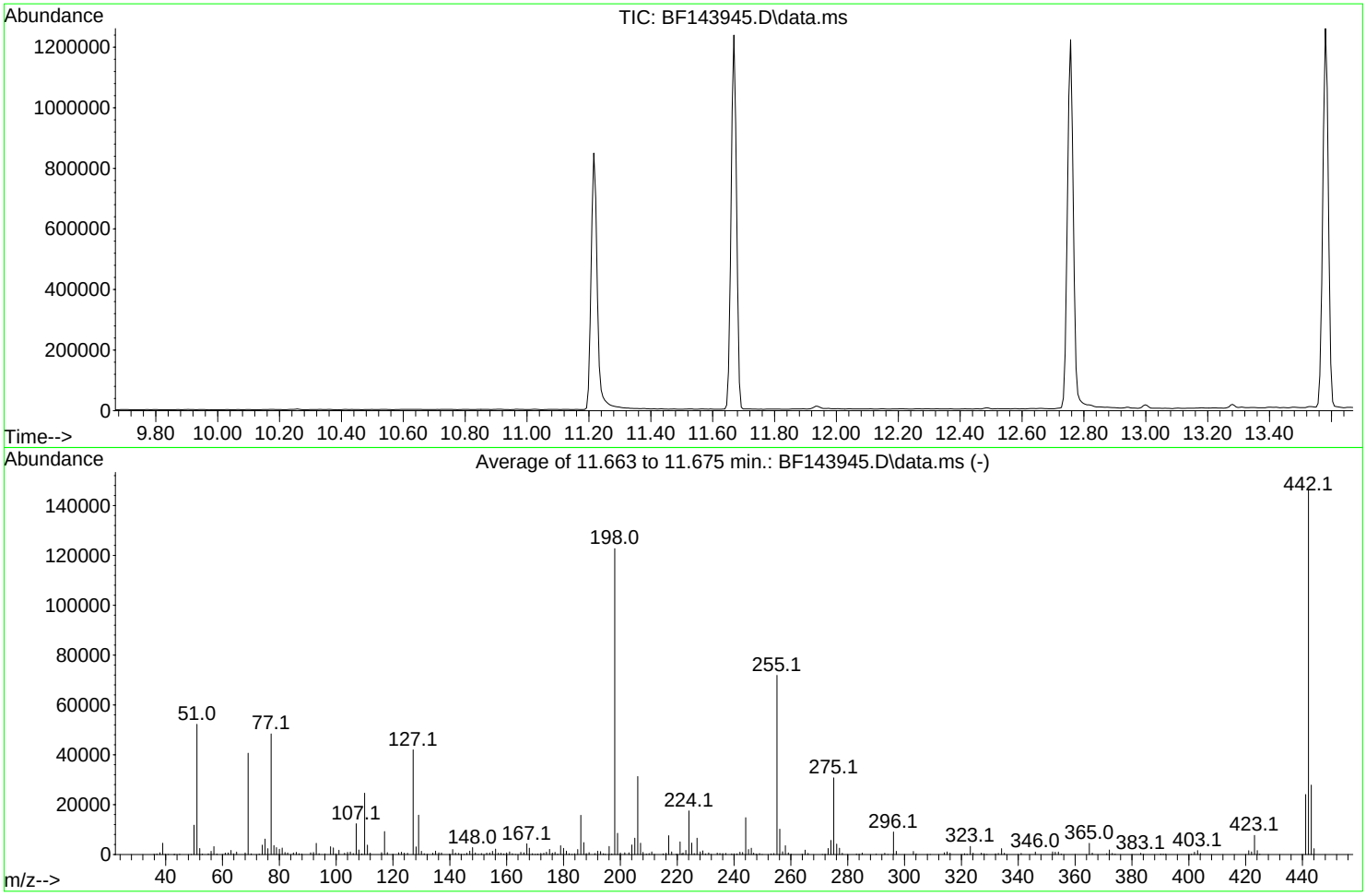
Date	Instrument Name	DFTPP Data File
10/10/2025	BNA_F	BF143919.D
Compound Name	**Response**	**Retention Time**
DDT	326543	13.574
DDD	5283	13.274
DDE	738	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6021	332564	1.81

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143945.D
Acq On : 14 Oct 2025 13:28
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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



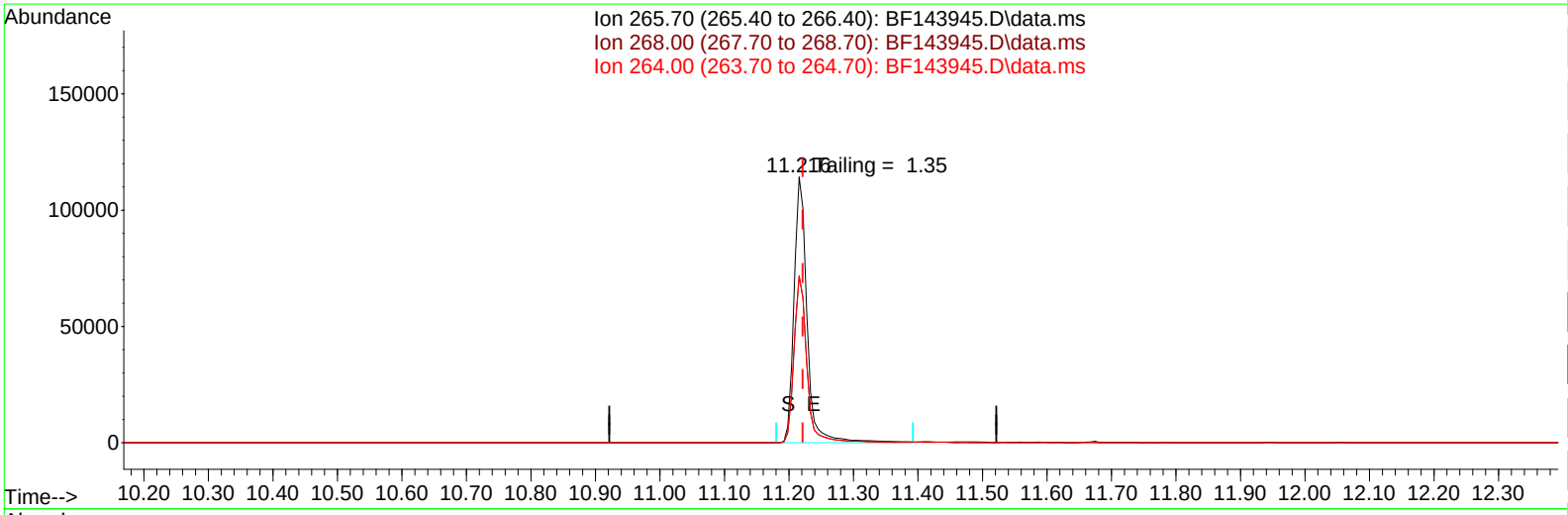
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

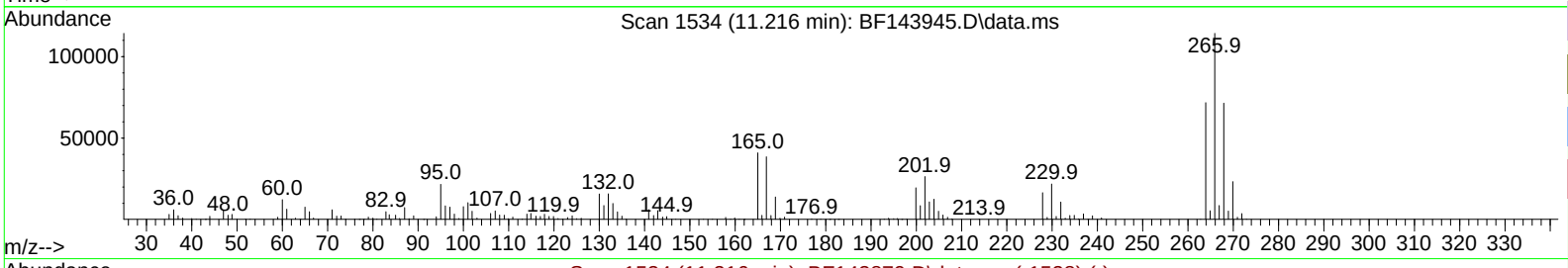
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	636	PASS
69	69	100	100	100.0	40651	PASS
70	69	0.00	2	0.7	276	PASS
197	198	0.00	2	0.2	271	PASS
198	198	100	100	100.0	122723	PASS
199	198	5	9	6.9	8468	PASS
365	198	1	100	3.6	4451	PASS
441	443	0.01	150	86.3	24061	PASS
442	442	100	100	100.0	146021	PASS
443	442	15	24	19.1	27867	PASS

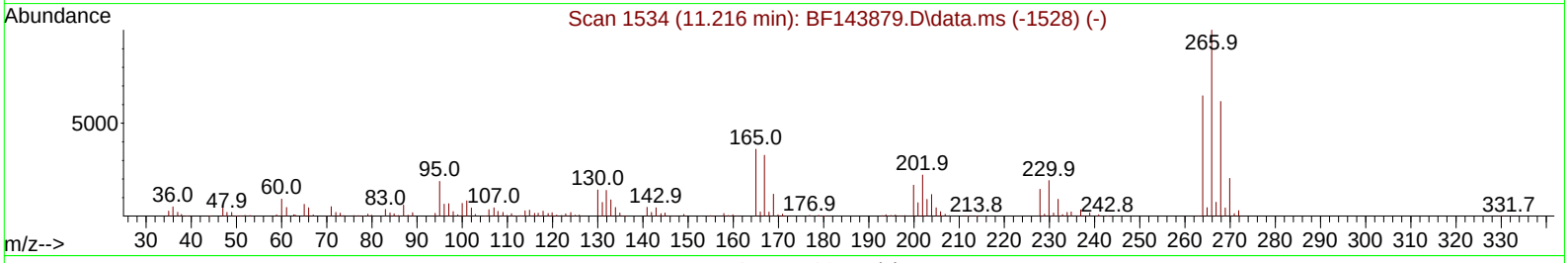
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143945.D
Acq On : 14 Oct 2025 13:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 14 14:43:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143945.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 44697.13 ng

response 161595

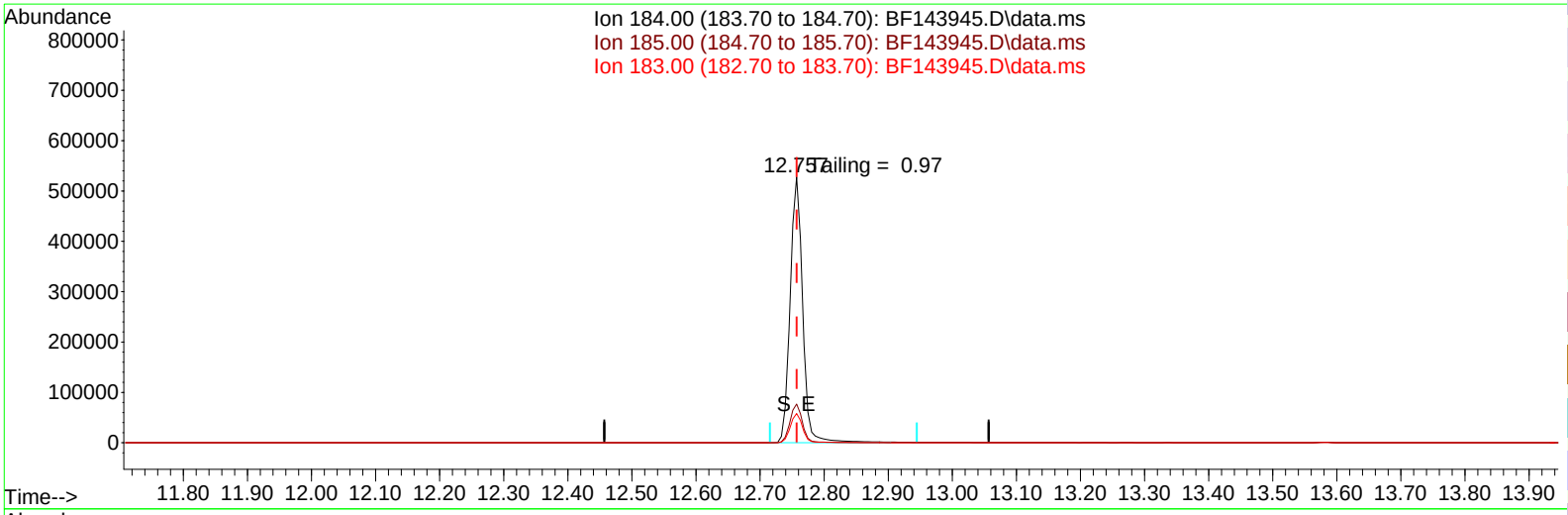
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	62.56
264.00	64.70	62.81
0.00	0.00	0.00

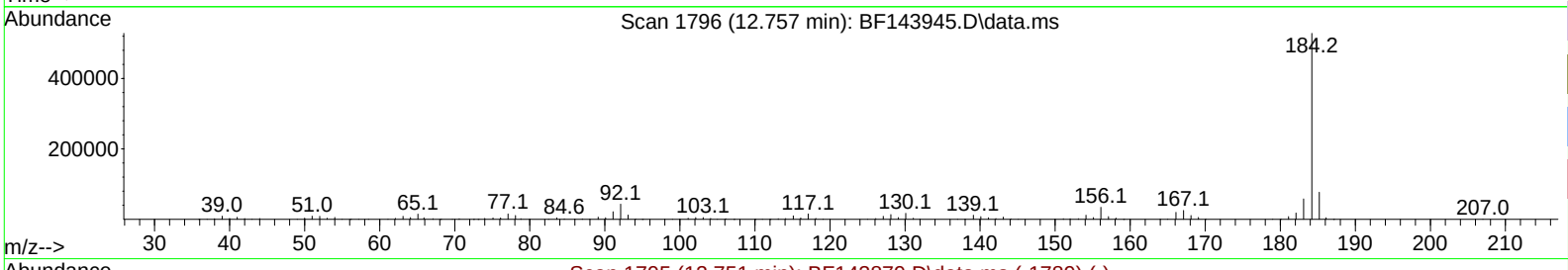
Sample Results: **BF143945.D**

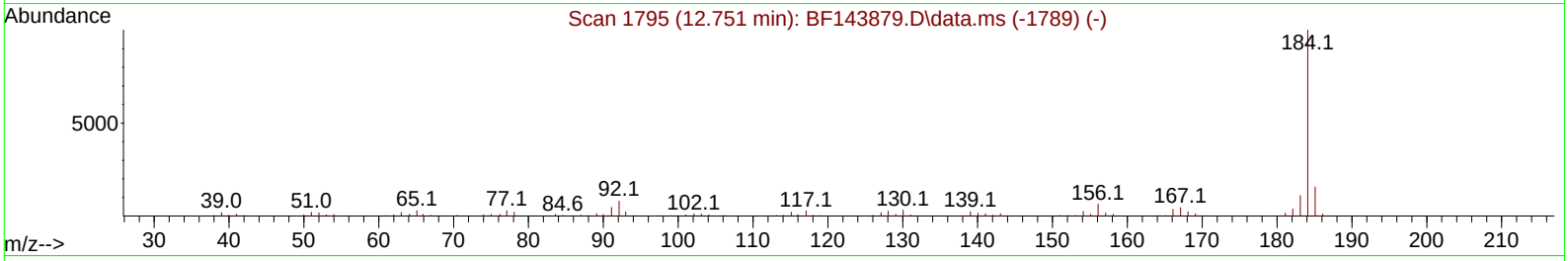
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143945.D
Acq On : 14 Oct 2025 13:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 14 14:43:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143945.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 719691

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.56
183.00	11.00	10.98
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/13/2025	BNA_F	BF143945.D
Compound Name	**Response**	**Retention Time**
DDT	324482	13.58
DDD	4816	13.28
DDE	749	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5565	330047	1.69

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 918		Date Received:		
Client Sample ID:	PB170055BL		SDG No.:	Q3321	
Lab Sample ID:	PB170055BL		Matrix:	SOIL	
Analytical Method:	8270E	Level : LOW	% Solid:	100	
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20	
Prep Method :	SW3541	Prep Date: 10/10/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	10/10/25 13:24	PB170055
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	10/10/25 13:24	PB170055
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	10/10/25 13:24	PB170055
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	10/10/25 13:24	PB170055
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	10/10/25 13:24	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	10/10/25 13:24	PB170055
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	10/10/25 13:24	PB170055
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	10/10/25 13:24	PB170055
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	10/10/25 13:24	PB170055
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	10/10/25 13:24	PB170055
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	10/10/25 13:24	PB170055
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	10/10/25 13:24	PB170055
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	10/10/25 13:24	PB170055
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	10/10/25 13:24	PB170055
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	10/10/25 13:24	PB170055
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	10/10/25 13:24	PB170055
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	10/10/25 13:24	PB170055
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	10/10/25 13:24	PB170055
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	10/10/25 13:24	PB170055
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	10/10/25 13:24	PB170055
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	10/10/25 13:24	PB170055
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	10/10/25 13:24	PB170055
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	10/10/25 13:24	PB170055
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	10/10/25 13:24	PB170055
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	10/10/25 13:24	PB170055
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	10/10/25 13:24	PB170055
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	10/10/25 13:24	PB170055
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	10/10/25 13:24	PB170055
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	10/10/25 13:24	PB170055
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	10/10/25 13:24	PB170055
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	10/10/25 13:24	PB170055
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	10/10/25 13:24	PB170055
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	10/10/25 13:24	PB170055
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	10/10/25 13:24	PB170055
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	10/10/25 13:24	PB170055
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	10/10/25 13:24	PB170055
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	10/10/25 13:24	PB170055
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	10/10/25 13:24	PB170055
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	10/10/25 13:24	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	10/10/25 13:24	PB170055

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 918		Date Received:		
Client Sample ID:	PB170055BL		SDG No.:	Q3321	
Lab Sample ID:	PB170055BL		Matrix:	SOIL	
Analytical Method:	8270E	Level : LOW	% Solid:	100	
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20	
Prep Method :	SW3541	Prep Date: 10/10/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	10/10/25 13:24	PB170055
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	10/10/25 13:24	PB170055
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	10/10/25 13:24	PB170055
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	10/10/25 13:24	PB170055
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	10/10/25 13:24	PB170055
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	10/10/25 13:24	PB170055
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	10/10/25 13:24	PB170055
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	10/10/25 13:24	PB170055
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	10/10/25 13:24	PB170055
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	10/10/25 13:24	PB170055
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	10/10/25 13:24	PB170055
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	10/10/25 13:24	PB170055
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	10/10/25 13:24	PB170055
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	10/10/25 13:24	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	10/10/25 13:24	PB170055
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	10/10/25 13:24	PB170055
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	10/10/25 13:24	PB170055
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	10/10/25 13:24	PB170055
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	10/10/25 13:24	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	10/10/25 13:24	PB170055
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	10/10/25 13:24	PB170055
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	10/10/25 13:24	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	10/10/25 13:24	PB170055
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	10/10/25 13:24	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	10/10/25 13:24	PB170055
SURROGATES									
367-12-4	2-Fluorophenol	130			18 - 112	87%	SPK: 150		
13127-88-3	Phenol-d6	127			15 - 107	84%	SPK: 150		
4165-60-0	Nitrobenzene-d5	94.6			18 - 107	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	84.2			20 - 109	84%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	152			10 - 116	101%	SPK: 150		
1718-51-0	Terphenyl-d14	88.1			10 - 105	88%	SPK: 100		
INTERNAL STANDARDS		**Area**							
3855-82-1	1,4-Dichlorobenzene-d4	136000							
1146-65-2	Naphthalene-d8	546000							
15067-26-2	Acenaphthene-d10	299000							
1517-22-2	Phenanthrene-d10	543000							
1719-03-5	Chrysene-d12	388000							
1520-96-3	Perylene-d12	313000							

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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 918			Date Received:	
Client Sample ID:	PB170055BL			SDG No.:	Q3321
Lab Sample ID:	PB170055BL			Matrix:	SOIL
Analytical Method:	8270E	Level : LOW		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL		Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Time: Oct 10 14:52:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

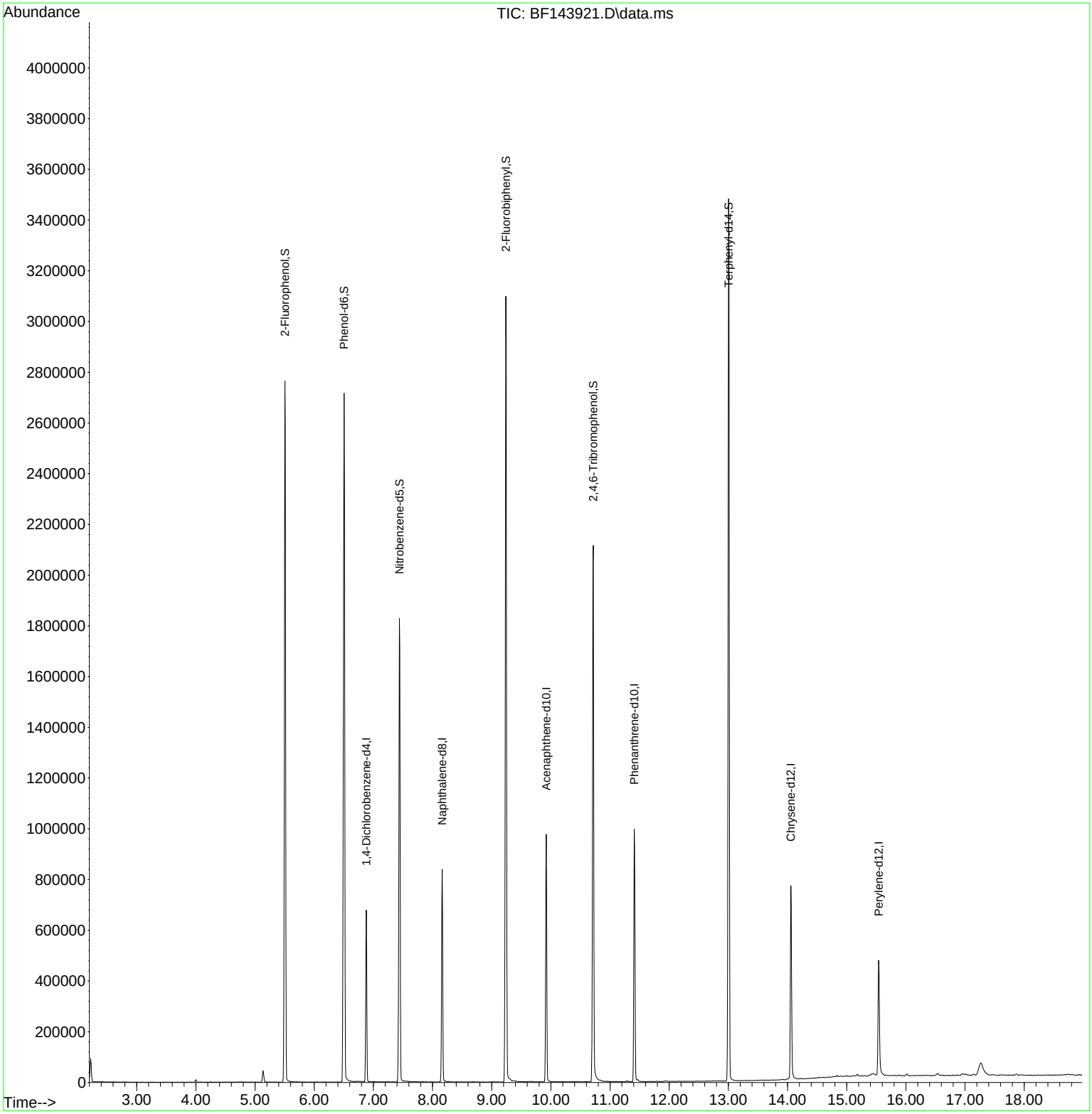
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	136492	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	545950	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	298735	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	543488	20.000	ng	0.00
76) Chrysene-d12	14.057	240	387902	20.000	ng	-0.01
86) Perylene-d12	15.539	264	313224	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1120553	130.368	ng	0.00
7) Phenol-d6	6.504	99	1297093	126.605	ng	-0.01
23) Nitrobenzene-d5	7.439	82	850033	94.594	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	452061	151.930	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1584841	84.179	ng	-0.01
79) Terphenyl-d14	13.004	244	2000515	88.142	ng	0.00
Target Compounds						Qvalue

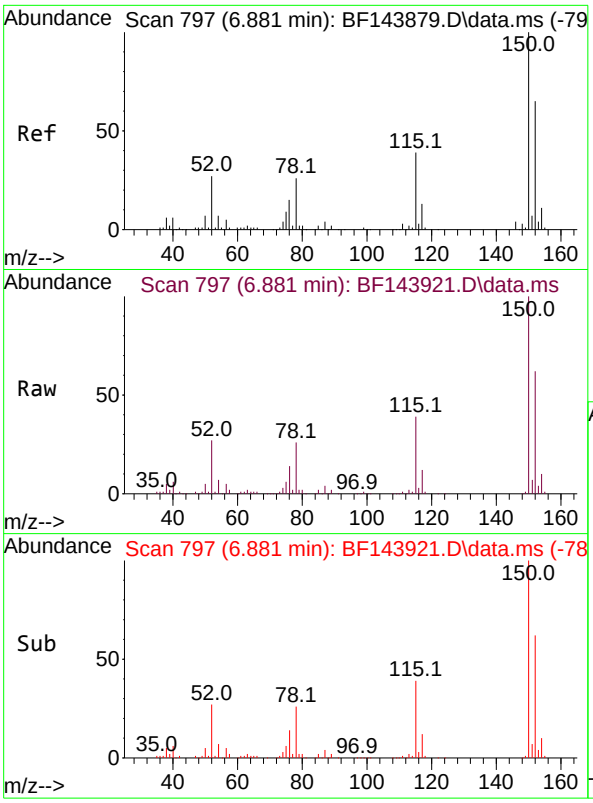
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Time: Oct 10 14:52:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



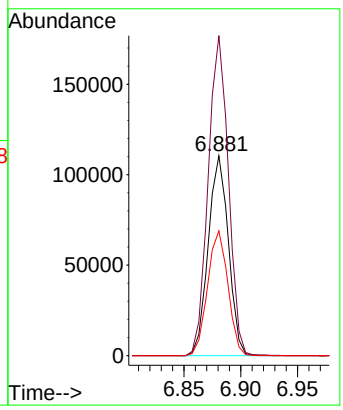


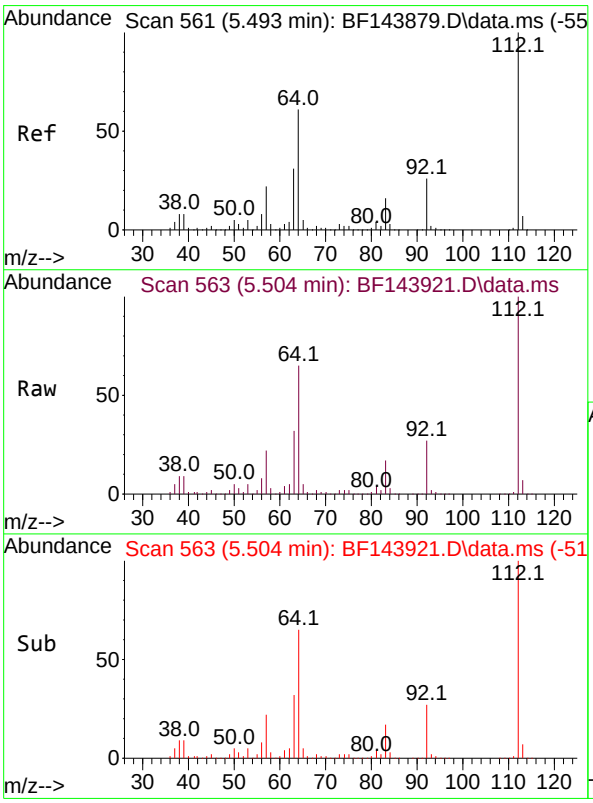
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Tgt Ion:152 Resp: 136492

Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.4	186.6
115	62.4	48.1	72.1

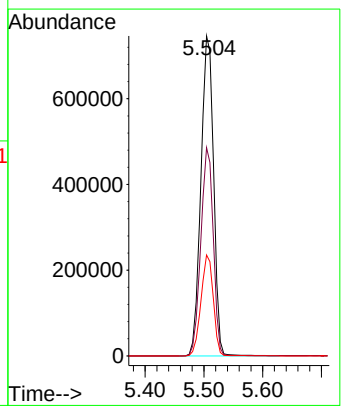


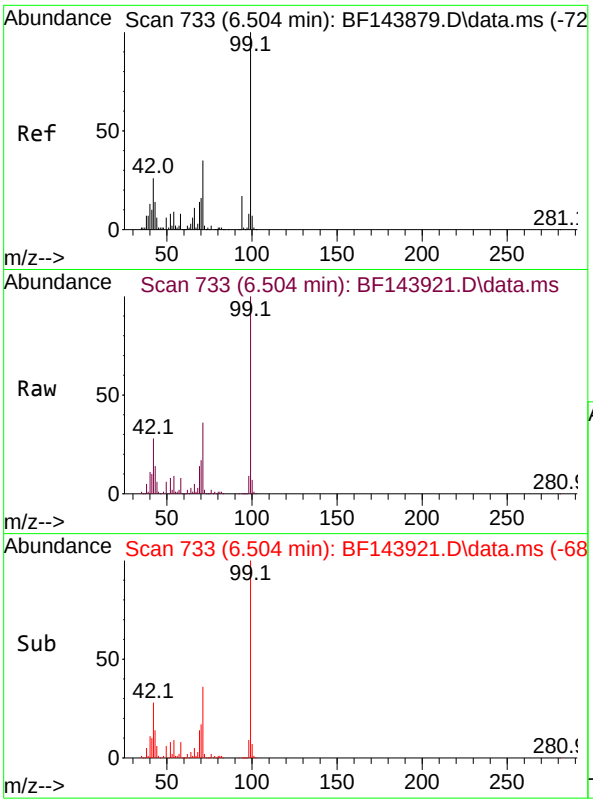


#5
2-Fluorophenol
Concen: 130.368 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:112 Resp: 1120553

Ion	Ratio	Lower	Upper
112	100		
64	65.1	49.1	73.7
63	31.5	24.5	36.7



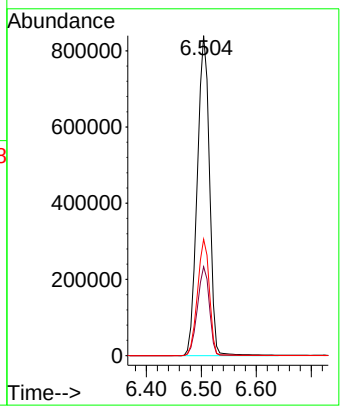


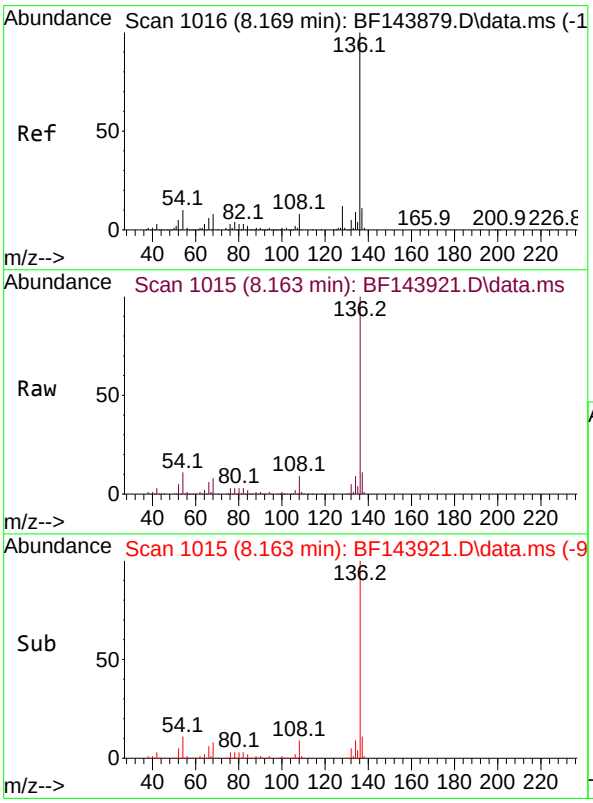
#7
Phenol-d6
Concen: 126.605 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Tgt Ion: 99 Resp: 1297093

Ion	Ratio	Lower	Upper
99	100		
42	27.8	21.0	31.4
71	36.4	27.8	41.8

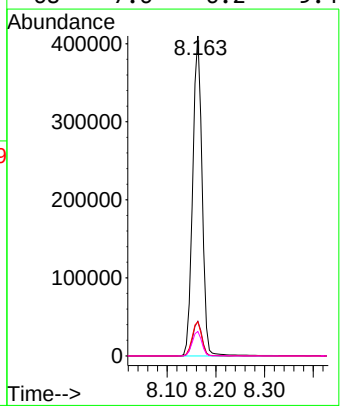


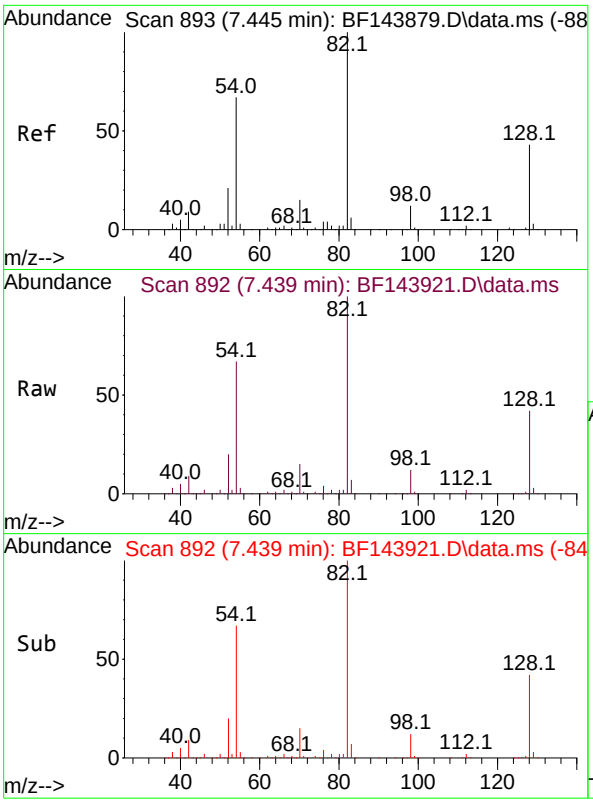


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:136 Resp: 545950

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.6	8.2	12.4
68	7.6	6.2	9.4



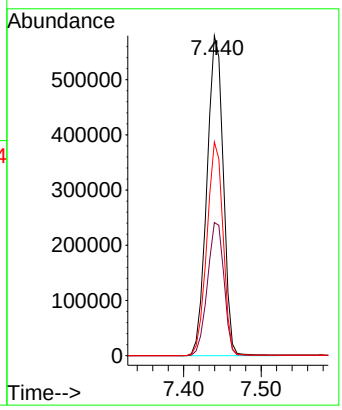


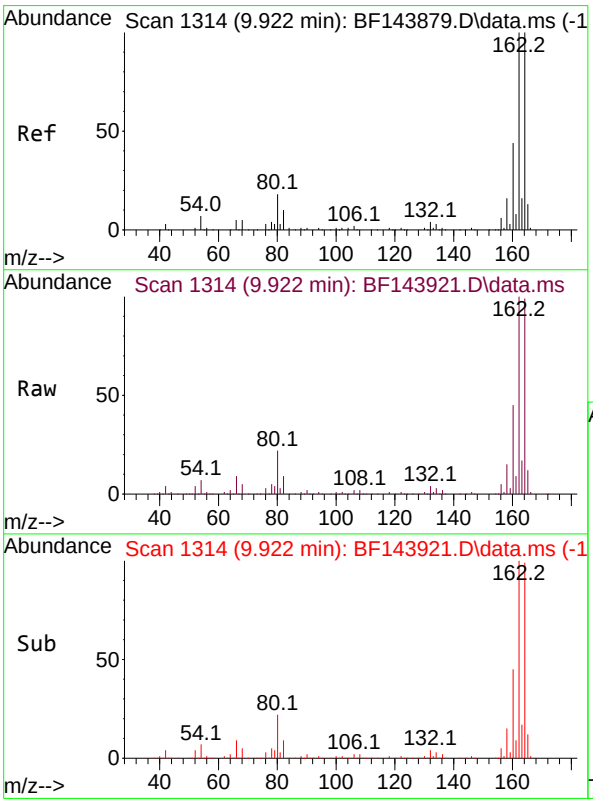
#23
Nitrobenzene-d5
Concen: 94.594 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Tgt Ion: 82 Resp: 850033

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	66.8	53.2	79.8

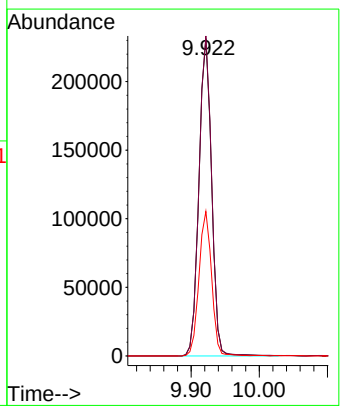


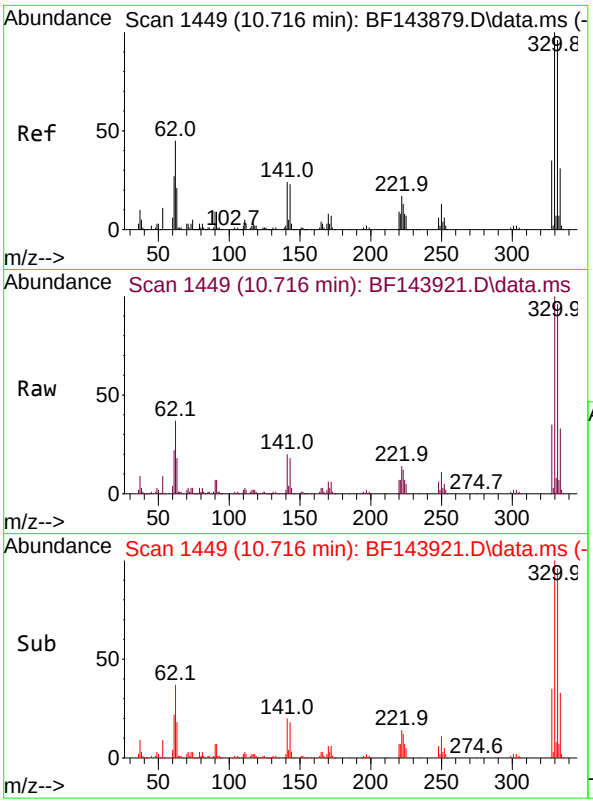


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:164 Resp: 298735

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.2
160	45.5	35.4	53.0



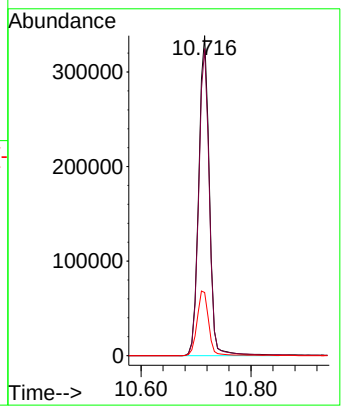


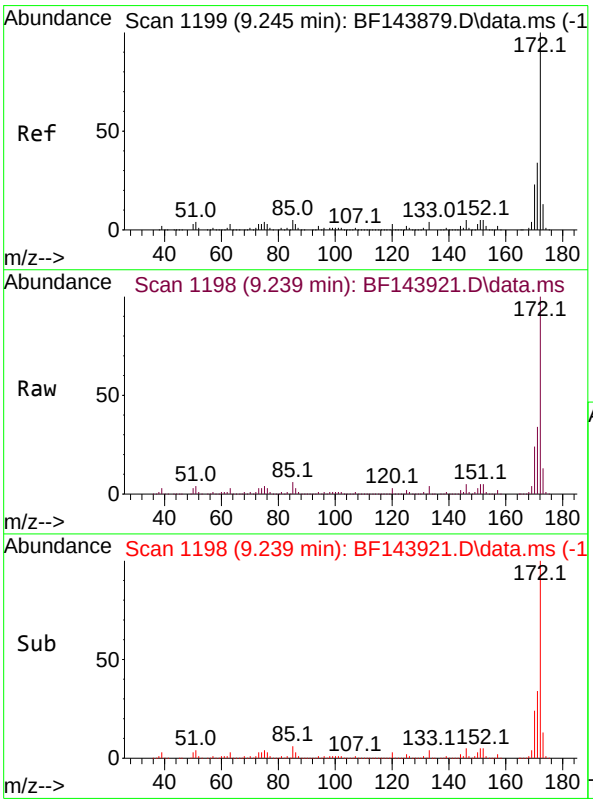
#42
2,4,6-Tribromophenol
Concen: 151.930 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Tgt Ion:330 Resp: 452061

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	22.2	20.2	30.4

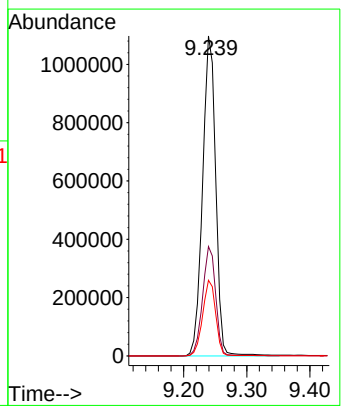


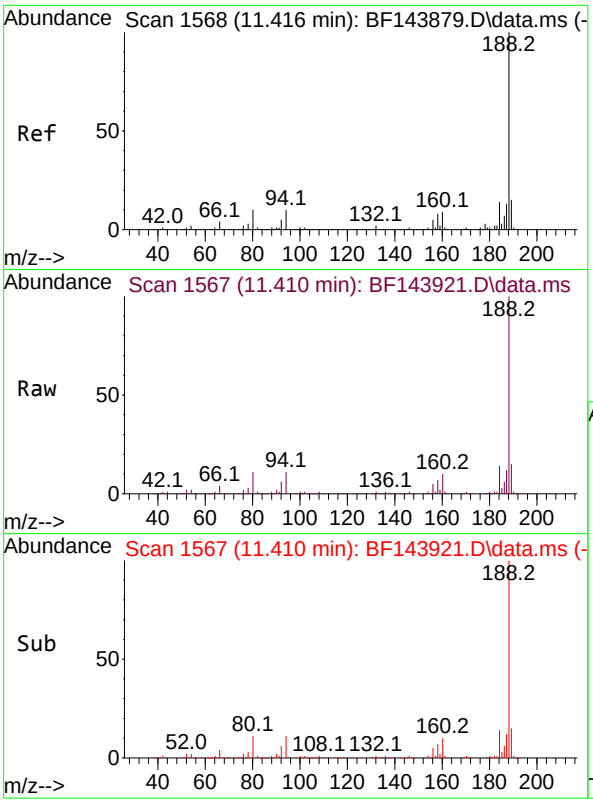


#45
2-Fluorobiphenyl
Concen: 84.179 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:172 Resp: 1584841

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	23.6	18.6	28.0



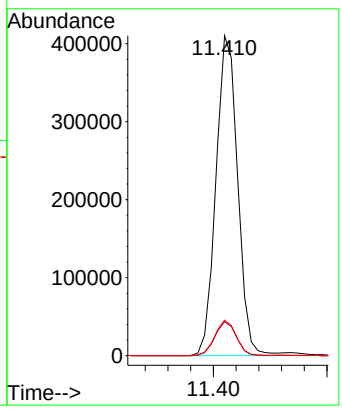


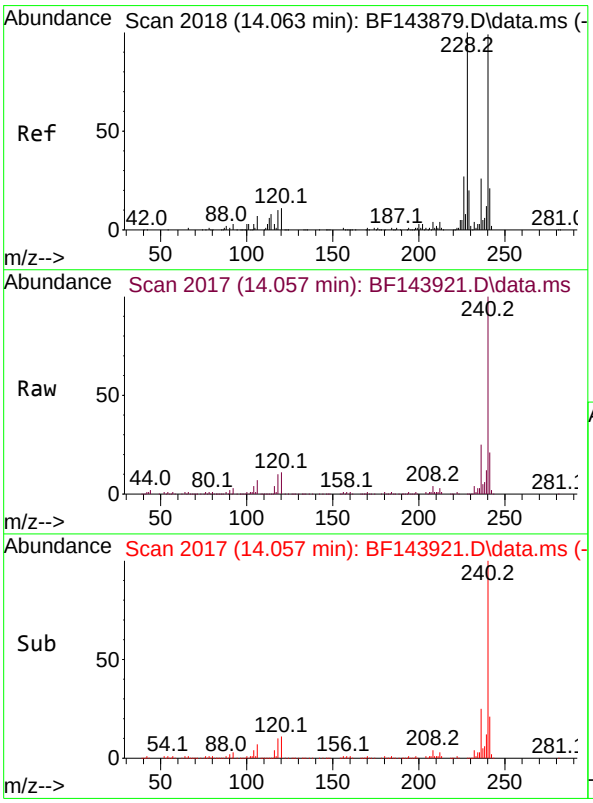
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Tgt Ion:188 Resp: 543488

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.1	7.9	11.9

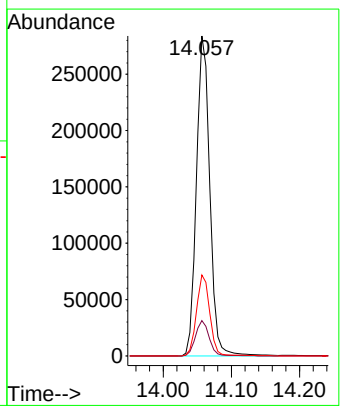


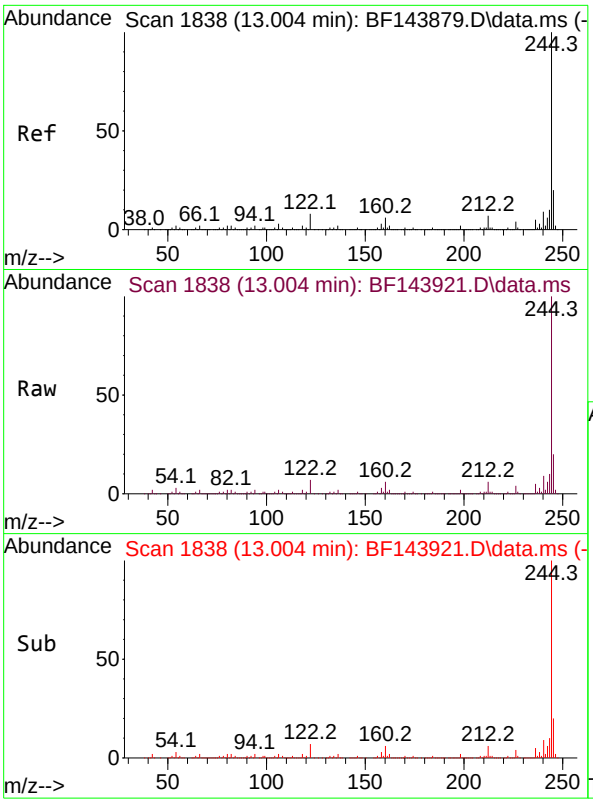


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:240 Resp: 387902

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	13.0
236	25.3	21.1	31.7



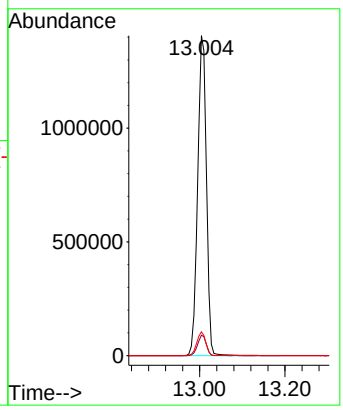


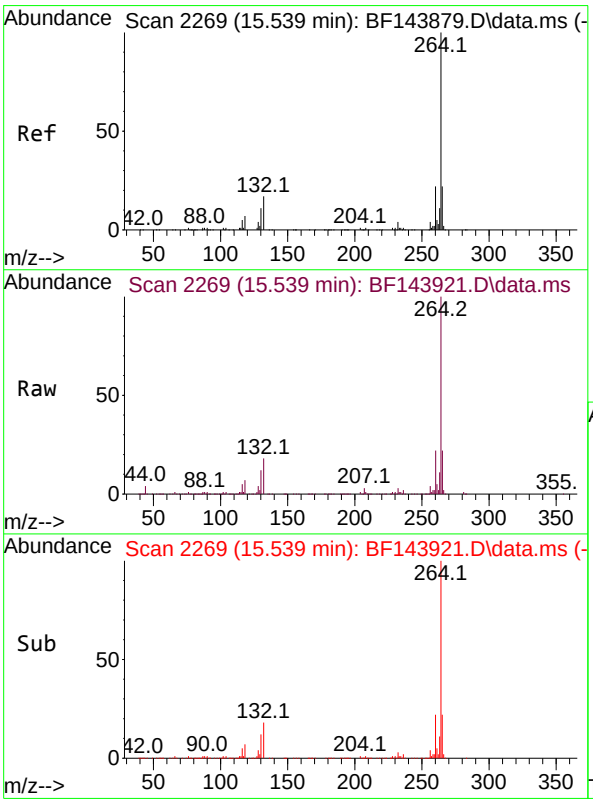
#79
Terphenyl-d14
Concen: 88.142 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Tgt Ion:244 Resp: 2000515

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.4	6.4	9.6

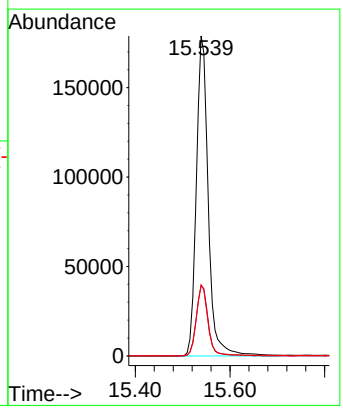




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:264 Resp: 313224

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	22.2	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143921.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	3	5	12	rVB	87142	110796	2.26%	0.369%
2	5.134	490	500	508	rBV	44606	78328	1.60%	0.261%
3	5.504	557	563	569	rBV	2764732	4049069	82.60%	13.501%
4	6.504	726	733	739	rBV	2716642	4115650	83.95%	13.723%
5	6.881	792	797	802	rBV	676207	836709	17.07%	2.790%
6	7.440	885	892	898	rBV	1827180	2661511	54.29%	8.874%
7	8.163	1009	1015	1022	rBV	838686	1107641	22.59%	3.693%
8	9.239	1191	1198	1216	rBV	3098045	4427277	90.31%	14.762%
9	9.922	1308	1314	1329	rBV	976175	1258495	25.67%	4.196%
10	10.716	1442	1449	1468	rBV	2114907	3018629	61.58%	10.065%
11	11.410	1562	1567	1574	rBV	996496	1315504	26.83%	4.386%
12	13.004	1829	1838	1844	rBV	3478908	4902311	100.00%	16.346%
13	14.057	2009	2017	2031	rBV	762209	1069108	21.81%	3.565%
14	15.539	2263	2269	2287	rVB	453707	788985	16.09%	2.631%
15	17.262	2553	2562	2585	rVB5	48045	251416	5.13%	0.838%

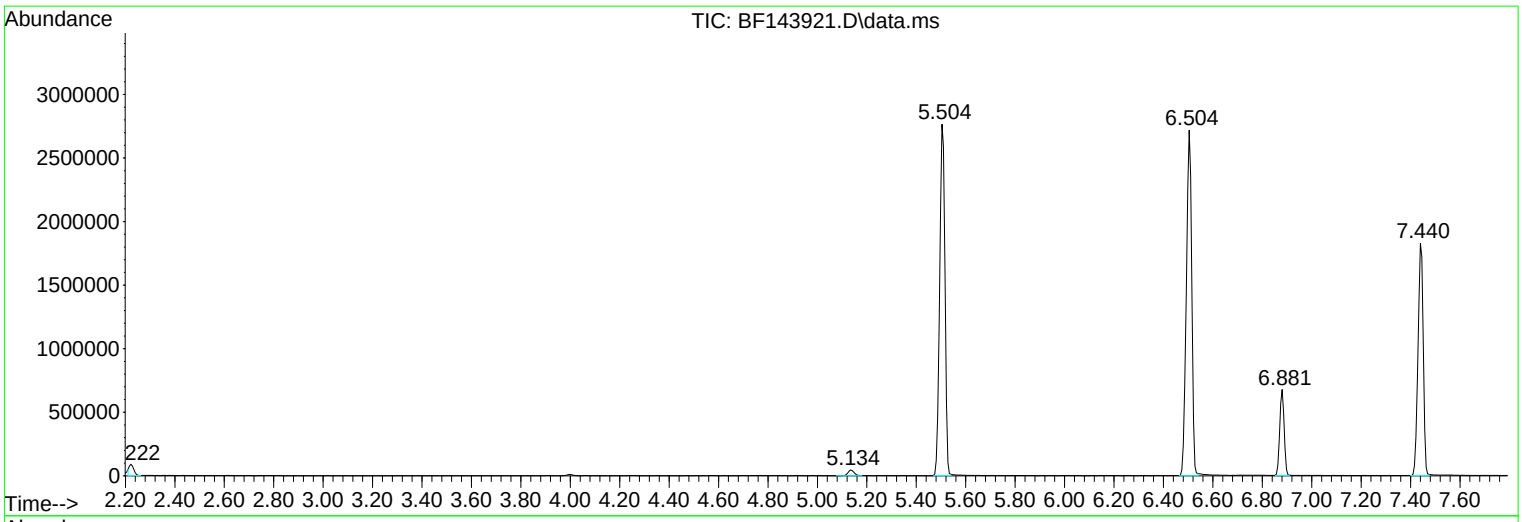
Sum of corrected areas: 29991429

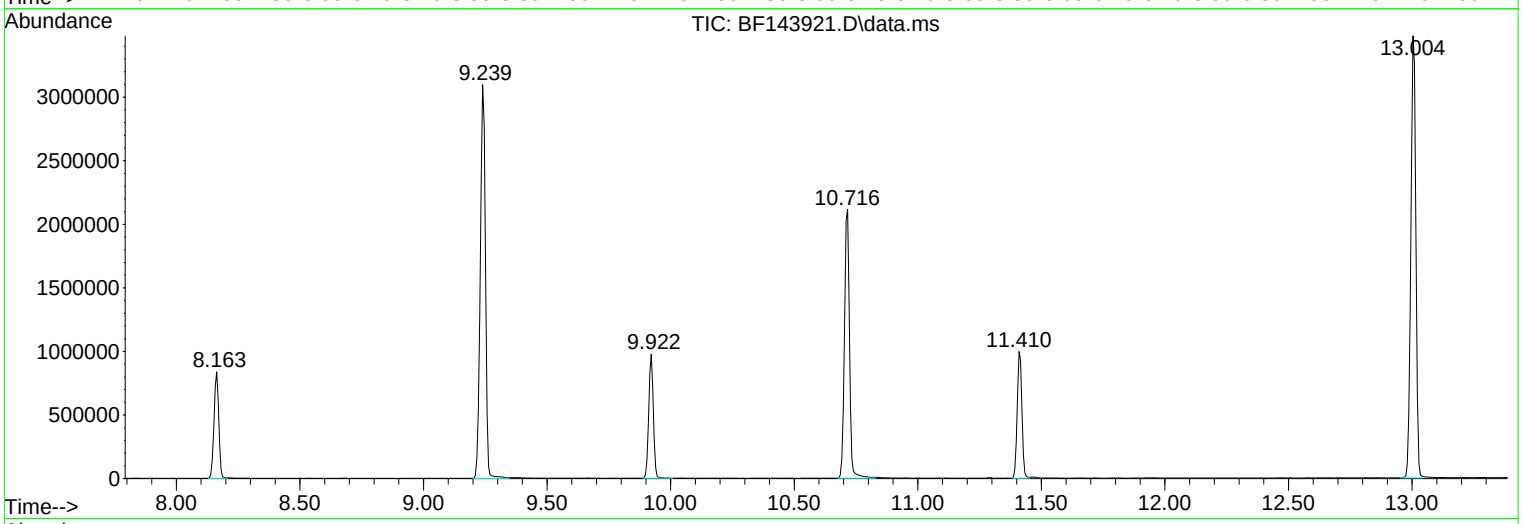
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

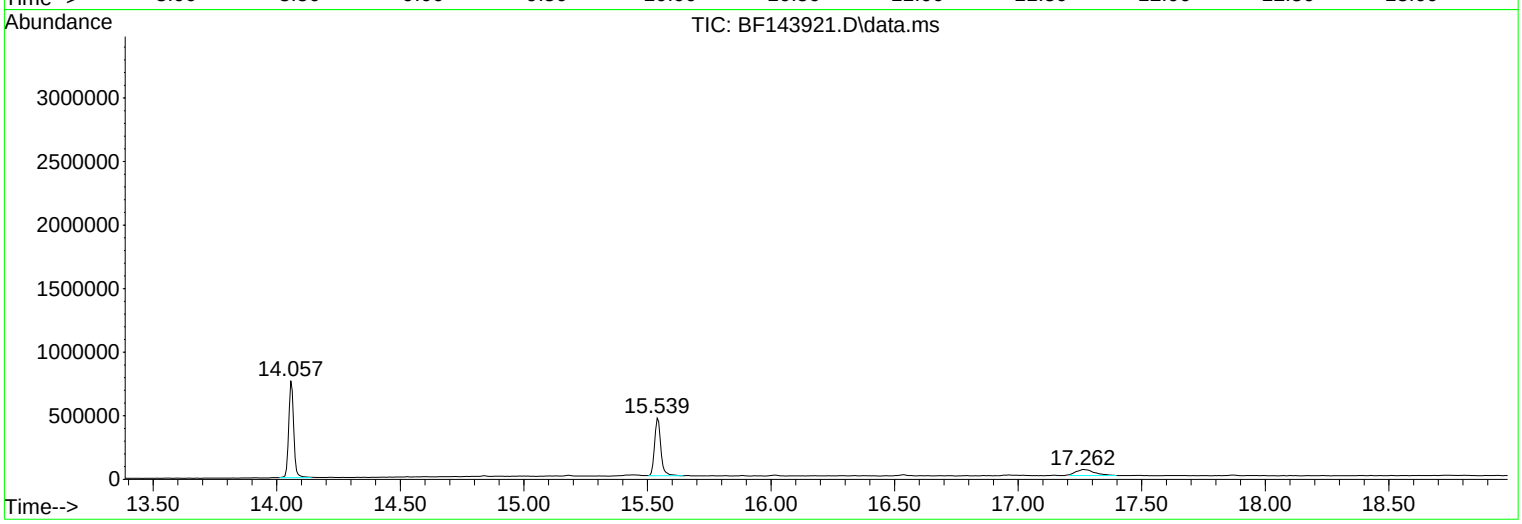
Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library :
TIC Integration Parameters: rteint.p







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library :
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library :
TIC Integration Parameters: rteint.p

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

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 918		Date Received:		
Client Sample ID:	PB170055BS		SDG No.:	Q3321	
Lab Sample ID:	PB170055BS		Matrix:	SOIL	
Analytical Method:	8270E	Level : LOW	% Solid:	100	
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20	
Prep Method :	SW3541	Prep Date: 10/10/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	950		1	160	330	ug/Kg	10/14/25 16:13	PB170055
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/14/25 16:13	PB170055
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/14/25 16:13	PB170055
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/14/25 16:13	PB170055
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/14/25 16:13	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/14/25 16:13	PB170055
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/14/25 16:13	PB170055
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	80.0	ug/Kg	10/14/25 16:13	PB170055
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	10/14/25 16:13	PB170055
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/14/25 16:13	PB170055
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/14/25 16:13	PB170055
88-75-5	2-Nitrophenol	1700		1	58.2	170	ug/Kg	10/14/25 16:13	PB170055
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	10/14/25 16:13	PB170055
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/14/25 16:13	PB170055
120-83-2	2,4-Dichlorophenol	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
106-47-8	4-Chloroaniline	710		1	35.4	170	ug/Kg	10/14/25 16:13	PB170055
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
105-60-2	Caprolactam	1600		1	52.1	330	ug/Kg	10/14/25 16:13	PB170055
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/14/25 16:13	PB170055
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
77-47-4	Hexachlorocyclopentadiene	3600	E	1	120	330	ug/Kg	10/14/25 16:13	PB170055
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	10/14/25 16:13	PB170055
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	10/14/25 16:13	PB170055
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/14/25 16:13	PB170055
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/14/25 16:13	PB170055
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/14/25 16:13	PB170055
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	10/14/25 16:13	PB170055
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/14/25 16:13	PB170055
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/14/25 16:13	PB170055
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/14/25 16:13	PB170055
51-28-5	2,4-Dinitrophenol	2900	E	1	230	330	ug/Kg	10/14/25 16:13	PB170055
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	10/14/25 16:13	PB170055
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
121-14-2	2,4-Dinitrotoluene	1700		1	50.1	170	ug/Kg	10/14/25 16:13	PB170055
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/14/25 16:13	PB170055
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
100-01-6	4-Nitroaniline	1500		1	64.2	170	ug/Kg	10/14/25 16:13	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/14/25 16:13	PB170055

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

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 918		Date Received:		
Client Sample ID:	PB170055BS		SDG No.:	Q3321	
Lab Sample ID:	PB170055BS		Matrix:	SOIL	
Analytical Method:	8270E	Level : LOW	% Solid:	100	
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20	
Prep Method :	SW3541	Prep Date: 10/10/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/14/25 16:13	PB170055
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	10/14/25 16:13	PB170055
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/14/25 16:13	PB170055
87-86-5	Pentachlorophenol	2700	E	1	51.3	330	ug/Kg	10/14/25 16:13	PB170055
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/14/25 16:13	PB170055
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/14/25 16:13	PB170055
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/14/25 16:13	PB170055
84-74-2	Di-n-butylphthalate	1600		1	47.9	170	ug/Kg	10/14/25 16:13	PB170055
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/14/25 16:13	PB170055
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	10/14/25 16:13	PB170055
85-68-7	Butylbenzylphthalate	1700		1	71.4	170	ug/Kg	10/14/25 16:13	PB170055
91-94-1	3,3-Dichlorobenzidine	850		1	36.7	330	ug/Kg	10/14/25 16:13	PB170055
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/14/25 16:13	PB170055
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/14/25 16:13	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	59.2	170	ug/Kg	10/14/25 16:13	PB170055
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/14/25 16:13	PB170055
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/14/25 16:13	PB170055
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/14/25 16:13	PB170055
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	1700		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
53-70-3	Dibenzo(a,h)anthracene	1700		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055
191-24-2	Benzo(g,h,i)perylene	1700		1	25.7	170	ug/Kg	10/14/25 16:13	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/14/25 16:13	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055
SURROGATES									
367-12-4	2-Fluorophenol	117			18 - 112	78%	SPK: 150		
13127-88-3	Phenol-d6	116			15 - 107	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	86.6			18 - 107	87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	77.2			20 - 109	77%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	127			10 - 116	85%	SPK: 150		
1718-51-0	Terphenyl-d14	93.4			10 - 105	93%	SPK: 100		
INTERNAL STANDARDS		**Area**							
3855-82-1	1,4-Dichlorobenzene-d4	119000							
1146-65-2	Naphthalene-d8	465000							
15067-26-2	Acenaphthene-d10	257000							
1517-22-2	Phenanthrene-d10	434000							
1719-03-5	Chrysene-d12	247000							
1520-96-3	Perylene-d12	230000							

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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 918			Date Received:	
Client Sample ID:	PB170055BS			SDG No.:	Q3321
Lab Sample ID:	PB170055BS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101425\
Data File : BF143949.D
Acq On : 14 Oct 2025 16:13
Operator : RC/JU
Sample : PB170055BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 16:36:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	118783	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	465023	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	256823	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	433771	20.000	ng		0.00
76) Chrysene-d12	14.063	240	247361	20.000	ng		0.00
86) Perylene-d12	15.545	264	229733	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	872770	116.679	ng		0.00
7) Phenol-d6	6.510	99	1035190	116.105	ng		0.00
23) Nitrobenzene-d5	7.445	82	662572	86.564	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	324960	127.036	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1249663	77.208	ng		0.00
79) Terphenyl-d14	13.004	244	1351901	93.406	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.740	88	136708	39.495	ng		99
3) Pyridine	3.499	79	402572	39.951	ng		98
4) n-Nitrosodimethylamine	3.446	42	240321	45.336	ng		94
6) Aniline	6.545	93	470002	35.179	ng		98
8) 2-Chlorophenol	6.663	128	326002	44.586	ng		99
9) Benzaldehyde	6.434	77	195562	28.434	ng		99
10) Phenol	6.522	94	465315m	43.654	ng		
11) bis(2-Chloroethyl)ether	6.616	93	370017	44.938	ng		99
12) 1,3-Dichlorobenzene	6.822	146	377727	43.157	ng		100
13) 1,4-Dichlorobenzene	6.898	146	380675	44.093	ng		99
14) 1,2-Dichlorobenzene	7.051	146	363836	43.998	ng		100
15) Benzyl Alcohol	7.022	79	312374	46.760	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	857401	45.746	ng		99
17) 2-Methylphenol	7.134	107	274129	45.365	ng		99
18) Hexachloroethane	7.392	117	124439	43.220	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	260148	42.626	ng		99
20) 3+4-Methylphenols	7.287	107	307492	43.906	ng	#	73
22) Acetophenone	7.292	105	456756	46.453	ng		98
24) Nitrobenzene	7.463	77	387411	45.578	ng		99
25) Isophorone	7.704	82	723901	44.854	ng		100
26) 2-Nitrophenol	7.781	139	185383	50.871	ng		98
27) 2,4-Dimethylphenol	7.816	122	318432	48.575	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	457201	44.846	ng		98
29) 2,4-Dichlorophenol	8.022	162	300557	44.016	ng		98
30) 1,2,4-Trichlorobenzene	8.104	180	300386	44.730	ng		99
31) Naphthalene	8.187	128	905947	42.827	ng		99
32) Benzoic acid	7.939	122	232590	51.267	ng		98
33) 4-Chloroaniline	8.234	127	168571	21.248	ng		98
34) Hexachlorobutadiene	8.304	225	192496	41.250	ng		97
35) Caprolactam	8.604	113	102329m	47.132	ng		
36) 4-Chloro-3-methylphenol	8.716	107	292710	44.626	ng		98
37) 2-Methylnaphthalene	8.881	142	550824	39.091	ng		98
38) 1-Methylnaphthalene	8.981	142	571719	41.830	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	323807	45.618	ng		99
41) Hexachlorocyclopentadiene	9.034	237	319945	108.649	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	225309	43.442	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143949.D
Acq On : 14 Oct 2025 16:13
Operator : RC/JU
Sample : PB170055BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 16:36:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	241324	44.031	ng		99
46) 1,1'-Biphenyl	9.345	154	787600	46.319	ng		98
47) 2-Chloronaphthalene	9.369	162	609645	43.002	ng		97
48) 2-Nitroaniline	9.463	65	220218	49.132	ng		99
49) Acenaphthylene	9.786	152	967163	48.525	ng		99
50) Dimethylphthalate	9.645	163	726615	44.552	ng		99
51) 2,6-Dinitrotoluene	9.710	165	158175	52.302	ng		94
52) Acenaphthene	9.957	154	585998	44.870	ng		100
53) 3-Nitroaniline	9.875	138	119416	32.248	ng		99
54) 2,4-Dinitrophenol	9.986	184	162038	86.267	ng	#	90
55) Dibenzofuran	10.133	168	792450	42.984	ng		99
56) 4-Nitrophenol	10.039	139	240051	85.616	ng		96
57) 2,4-Dinitrotoluene	10.110	165	214262	52.070	ng		98
58) Fluorene	10.475	166	602736	43.328	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	183031m	47.176	ng		
60) Diethylphthalate	10.345	149	661161	43.636	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	312560	42.498	ng		97
62) 4-Nitroaniline	10.492	138	161624	45.388	ng		97
63) Azobenzene	10.628	77	731390	46.187	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	116621	53.501	ng		98
66) n-Nitrosodiphenylamine	10.586	169	609980	44.786	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	204021	42.559	ng		97
68) Hexachlorobenzene	11.022	284	242638	43.720	ng		99
69) Atrazine	11.110	200	196973	47.715	ng		100
70) Pentachlorophenol	11.222	266	259520	81.419	ng		98
71) Phenanthrene	11.439	178	917260	43.618	ng		99
72) Anthracene	11.492	178	941105	44.298	ng		100
73) Carbazole	11.645	167	835457	44.402	ng		99
74) Di-n-butylphthalate	11.975	149	1021669	46.851	ng		99
75) Fluoranthene	12.633	202	964435	44.399	ng		99
77) Benzidine	12.751	184	344111	40.064	ng		98
78) Pyrene	12.863	202	957514	46.431	ng		99
80) Butylbenzylphthalate	13.480	149	350848	52.386	ng		99
81) Benzo(a)anthracene	14.051	228	747867	46.200	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	126081	25.558	ng		99
83) Chrysene	14.092	228	650468	43.417	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	417913	51.764	ng		99
85) Di-n-octyl phthalate	14.657	149	614508	46.343	ng		99
87) Indeno(1,2,3-cd)pyrene	17.051	276	714723	50.773	ng		97
88) Benzo(b)fluoranthene	15.110	252	614839	46.591	ng		99
89) Benzo(k)fluoranthene	15.139	252	536880	43.967	ng		100
90) Benzo(a)pyrene	15.486	252	557596	48.729	ng		98
91) Dibenzo(a,h)anthracene	17.068	278	578363	51.086	ng		97
92) Benzo(g,h,i)perylene	17.504	276	587725	51.912	ng		97

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

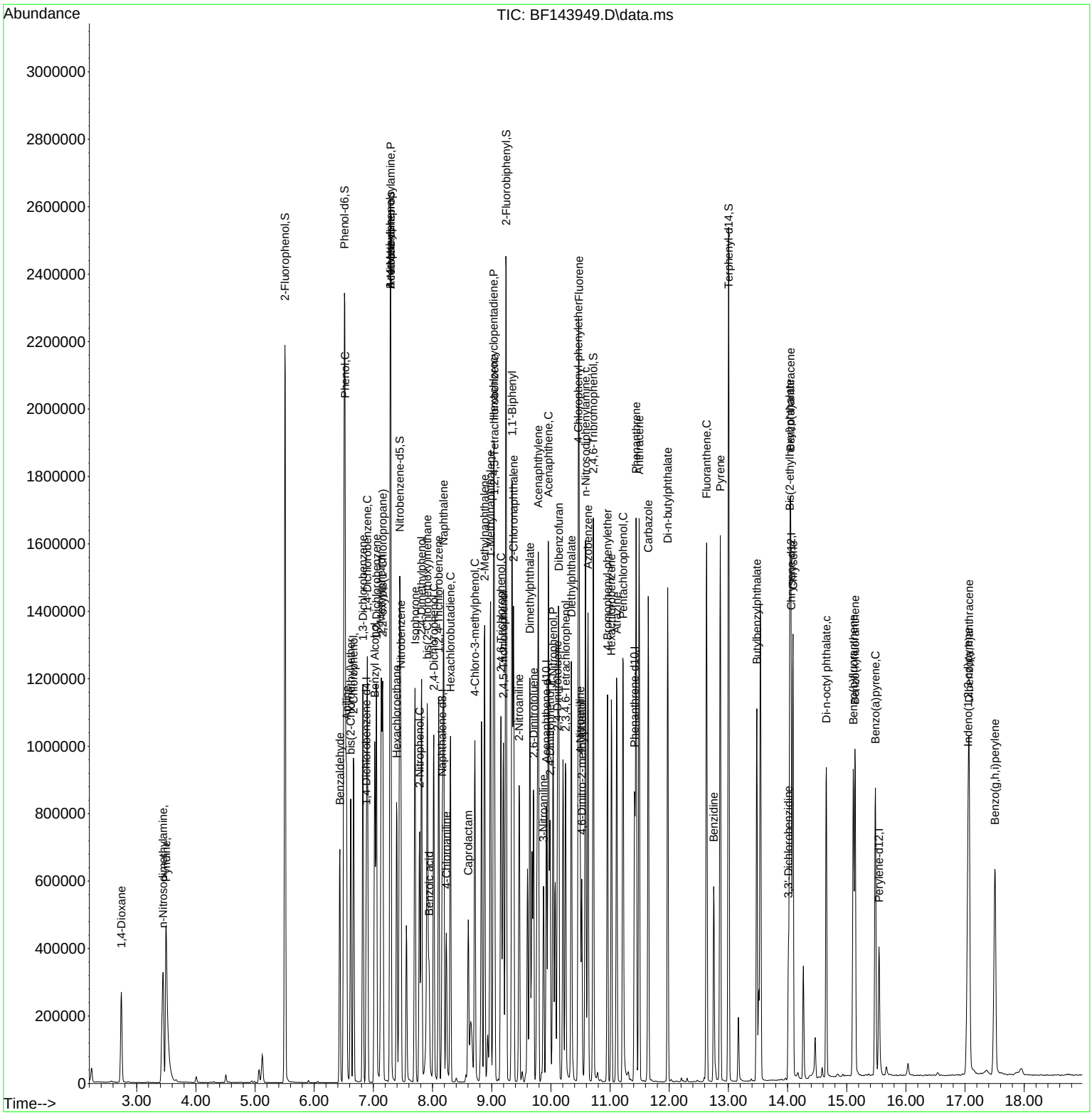
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143949.D
Acq On : 14 Oct 2025 16:13
Operator : RC/JU
Sample : PB170055BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

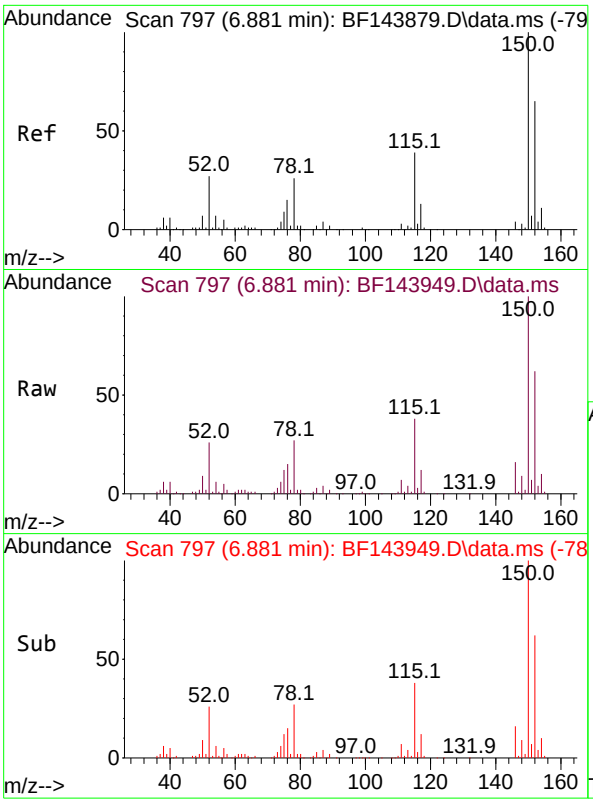
Quant Time: Oct 14 16:36:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

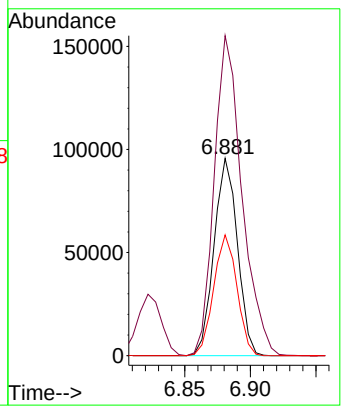




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:152 Resp: 11878

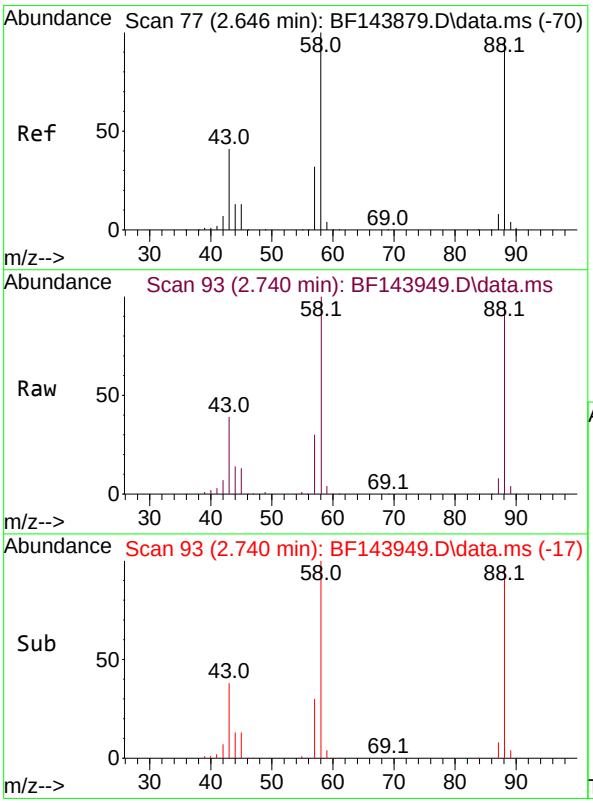
Ion	Ratio	Lower	Upper
152	100		
150	162.3	124.4	186.6
115	61.3	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations
APPROVED

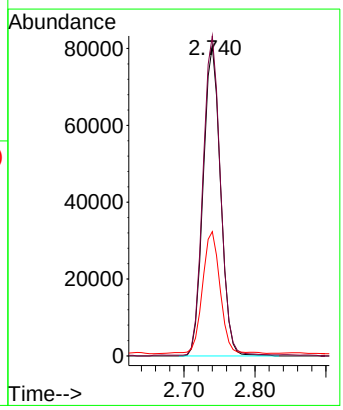
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

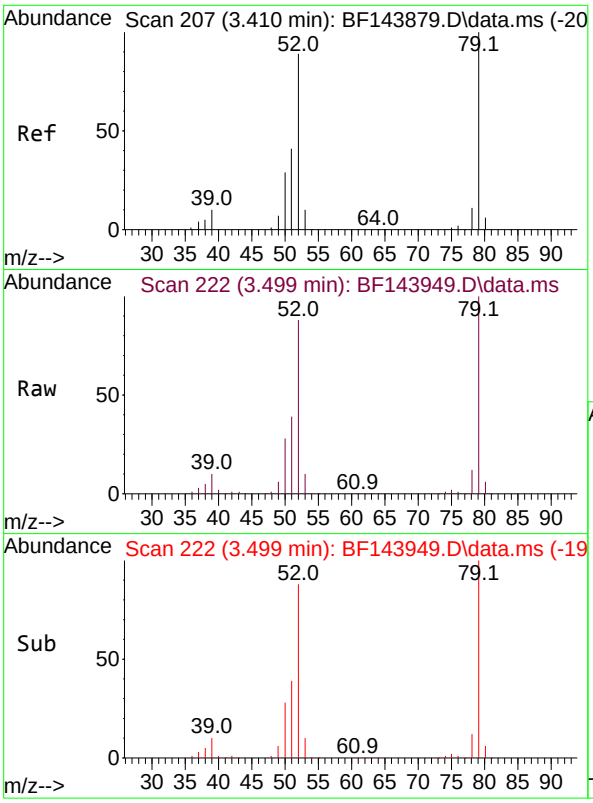


#2
1,4-Dioxane
Concen: 39.495 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.094 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 88 Resp: 136708

Ion	Ratio	Lower	Upper
88	100		
58	103.2	83.0	124.6
43	40.2	33.9	50.9

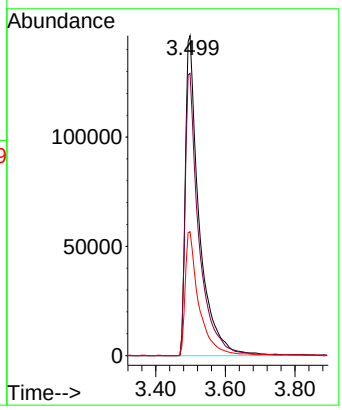




#3
Pyridine
Concen: 39.951 ng
RT: 3.499 min Scan# 2
Delta R.T. 0.083 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 79 Resp: 40257

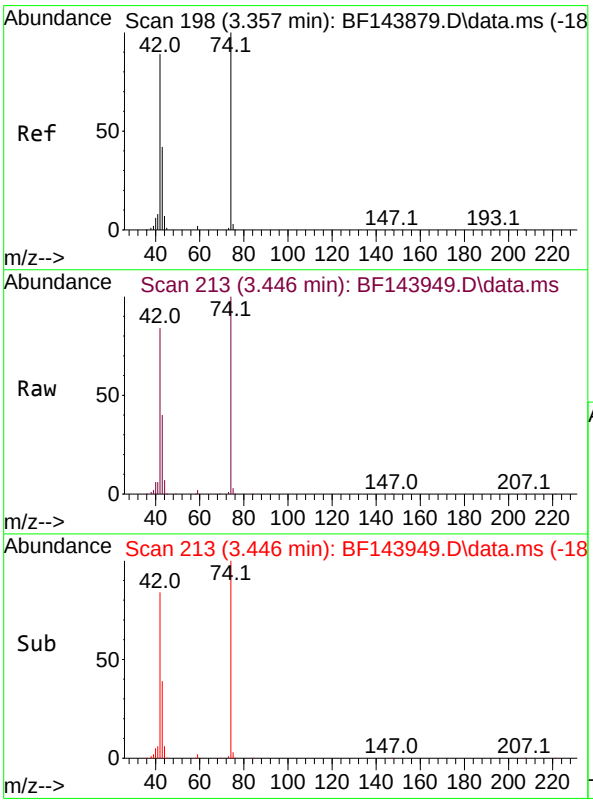
Ion	Ratio	Lower	Upper
79	100		
52	88.2	71.5	107.3
51	38.7	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations
APPROVED

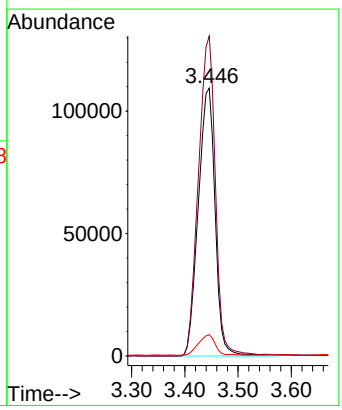
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

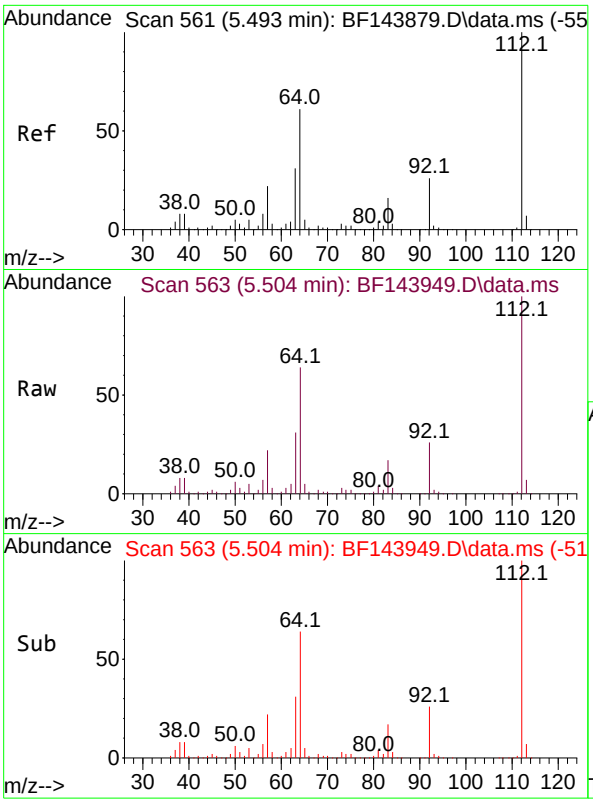


#4
n-Nitrosodimethylamine
Concen: 45.336 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.059 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 42 Resp: 240321

Ion	Ratio	Lower	Upper
42	100		
74	119.5	90.0	135.0
44	7.9	6.2	9.2





#5
2-Fluorophenol
Concen: 116.679 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:112 Resp: 87277

Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.1	73.7
63	30.9	24.5	36.7

Instrument :
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ClientSampleId :
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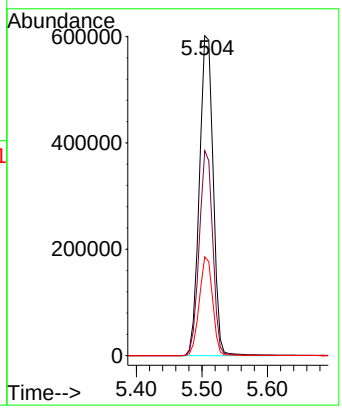
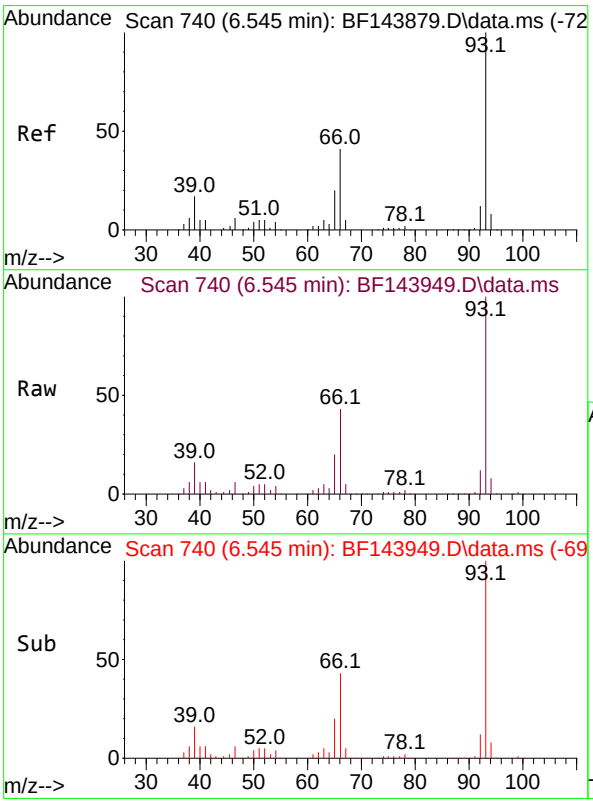
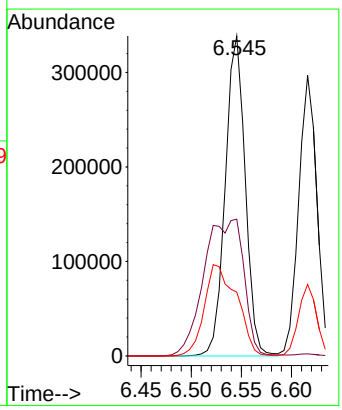


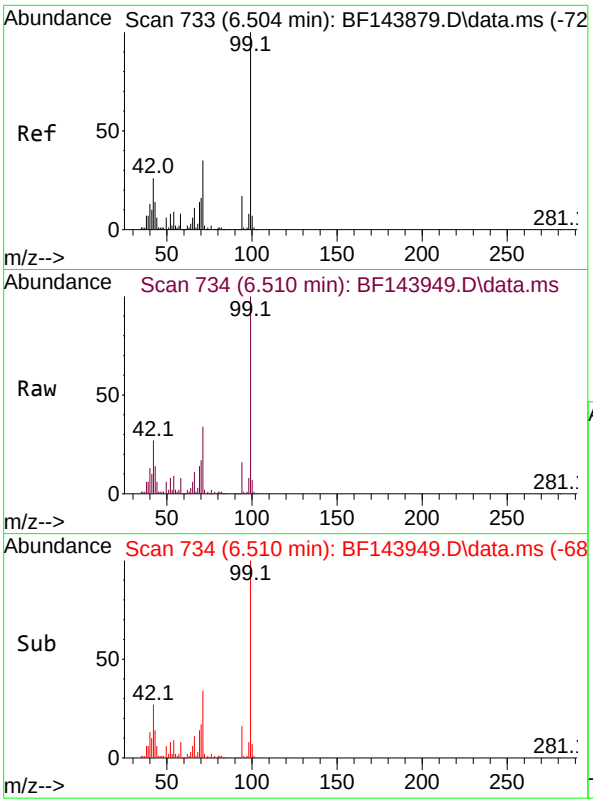


#6
Aniline
Concen: 35.179 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 93 Resp: 470002

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.0	49.6
65	19.9	15.8	23.8

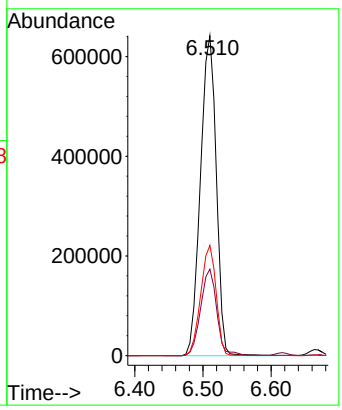




#7
Phenol-d6
Concen: 116.105 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 99 Resp: 103519

Ion	Ratio	Lower	Upper
99	100		
42	27.0	21.0	31.4
71	34.4	27.8	41.8



Instrument :
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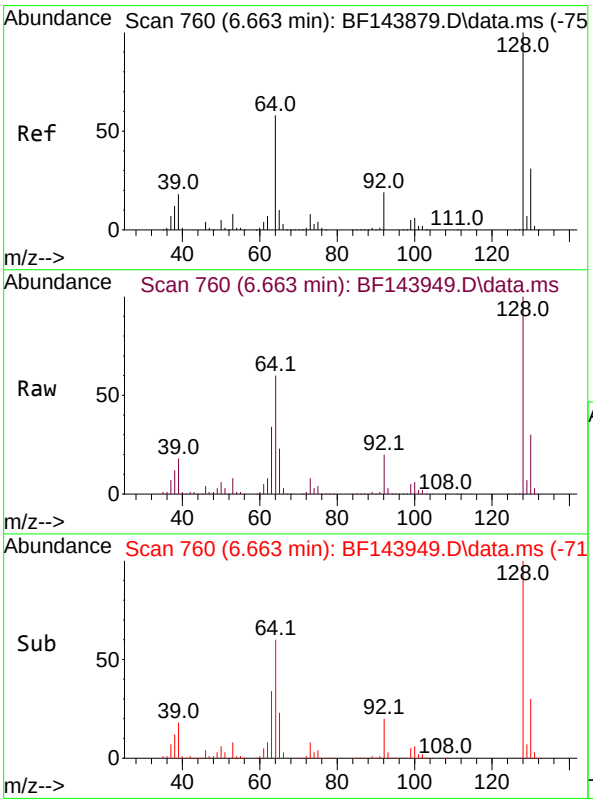
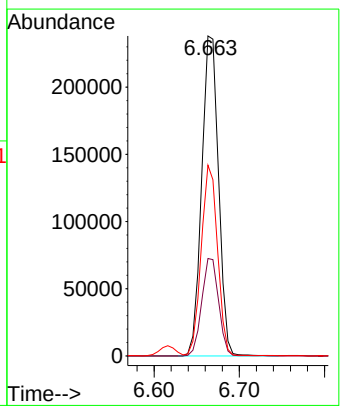
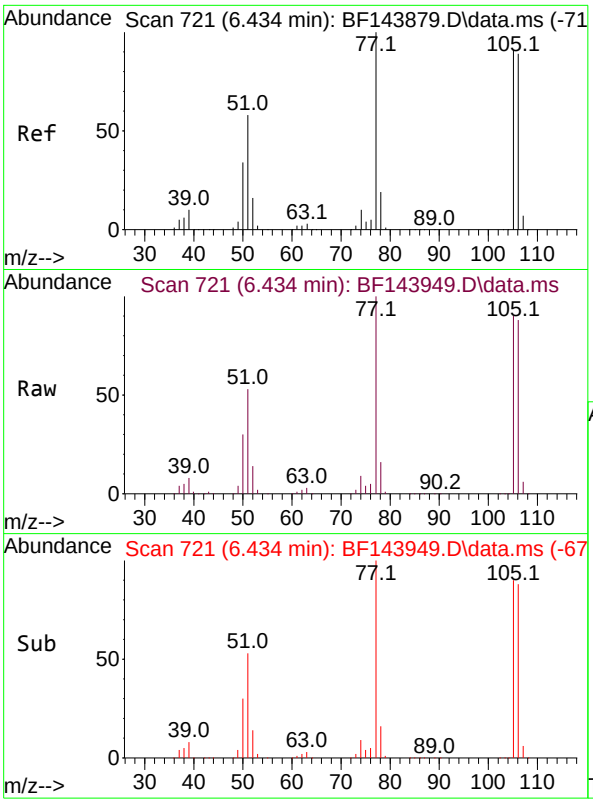


#8
2-Chlorophenol
Concen: 44.586 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:128 Resp: 326002

Ion	Ratio	Lower	Upper
128	100		
130	30.4	10.7	50.7
64	59.6	39.0	79.0

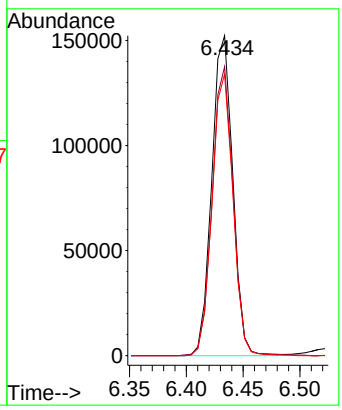




#9
Benzaldehyde
Concen: 28.434 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 77 Resp: 19556

Ion	Ratio	Lower	Upper
77	100		
105	90.3	70.9	110.9
106	88.0	68.9	108.9



Instrument :
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ClientSampleId :
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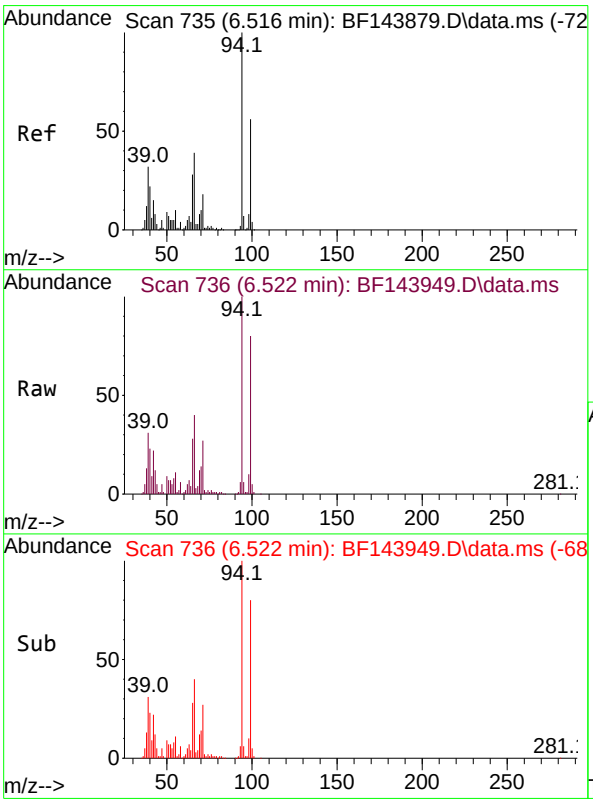
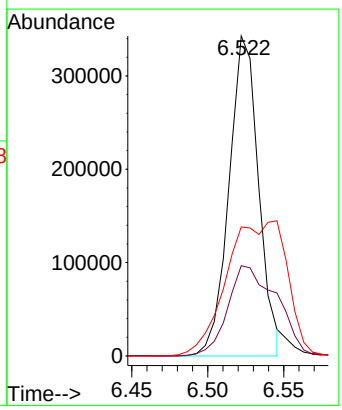
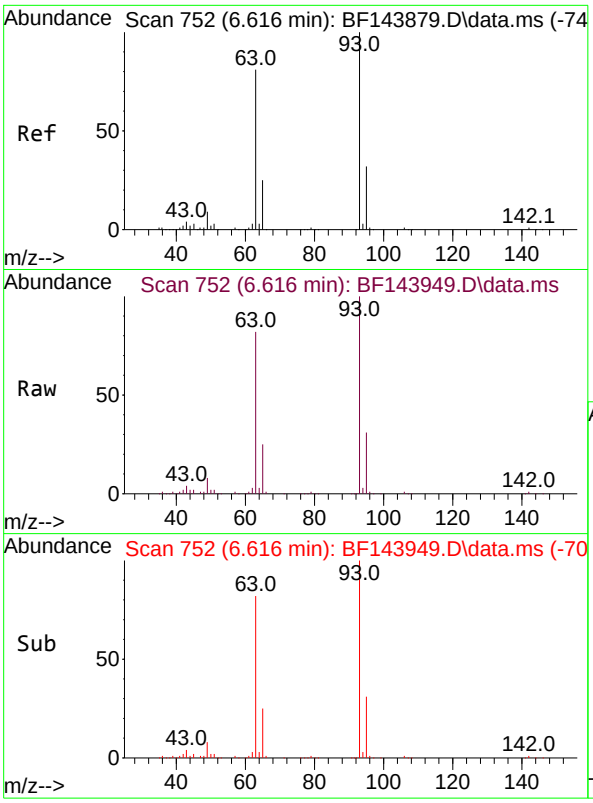


#10
Phenol
Concen: 43.654 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 94 Resp: 465315

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.5	48.5
66	40.3	19.9	59.9

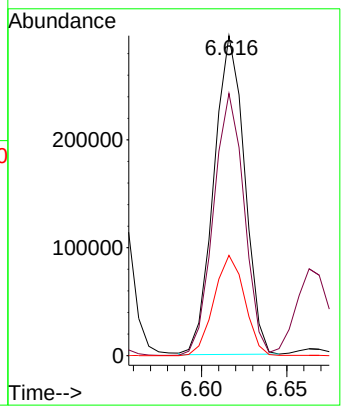




#11
bis(2-Chloroethyl)ether
Concen: 44.938 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 93 Resp: 37001

Ion	Ratio	Lower	Upper
93	100		
63	81.9	60.9	100.9
95	31.3	11.5	51.5



Instrument :
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ClientSampleId :
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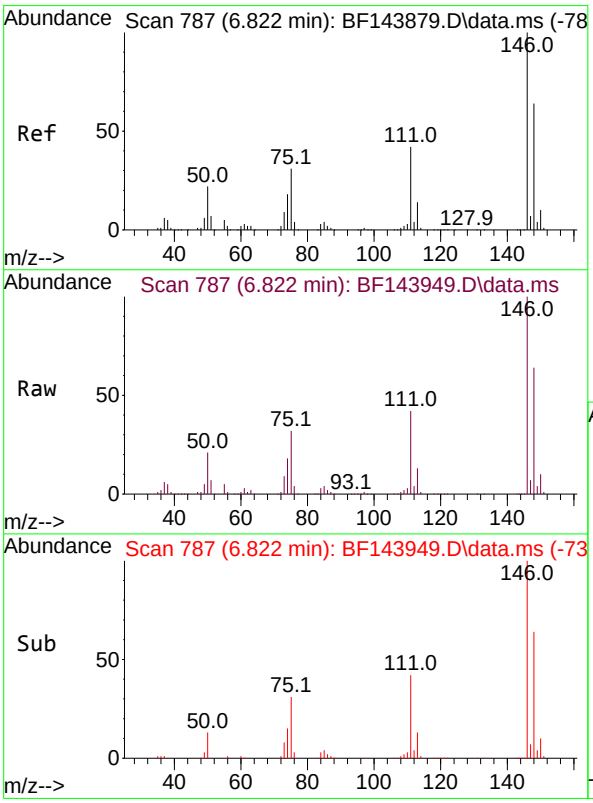
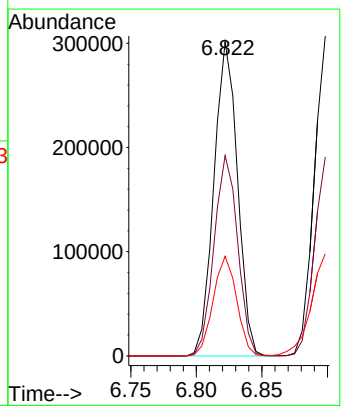
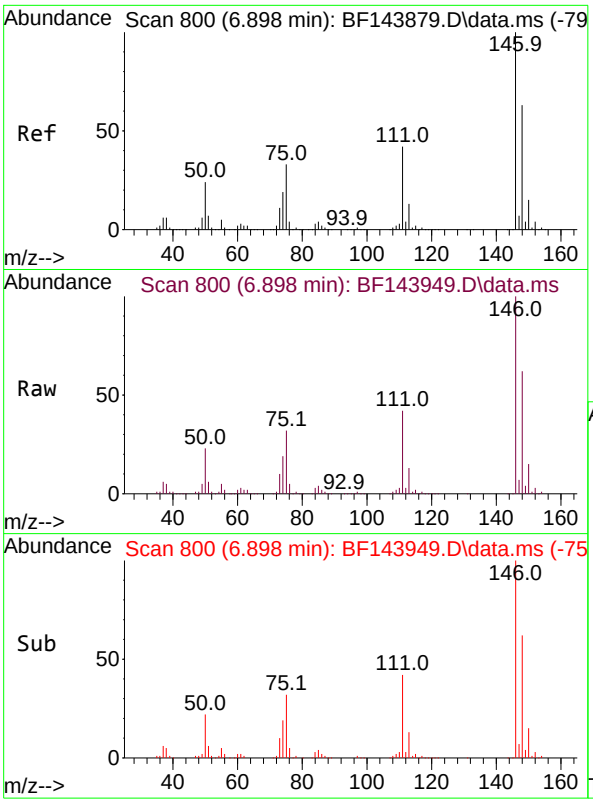


#12
1,3-Dichlorobenzene
Concen: 43.157 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:146 Resp: 377727

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	31.7	24.9	37.3

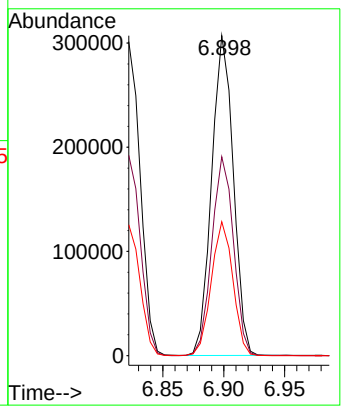




#13
1,4-Dichlorobenzene
Concen: 44.093 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:146 Resp: 38067

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.5	75.7
111	41.8	33.4	50.0



Instrument :
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ClientSampleId :
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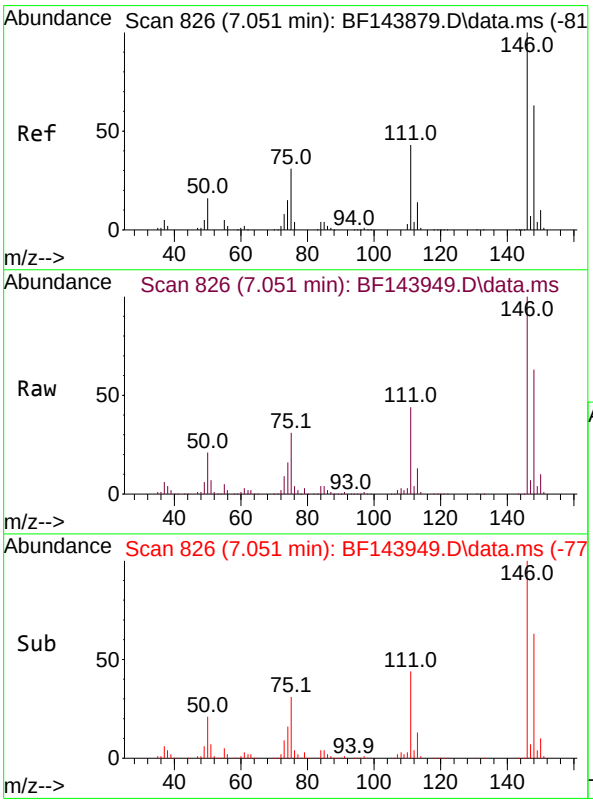
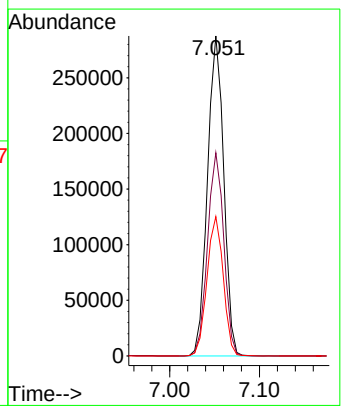
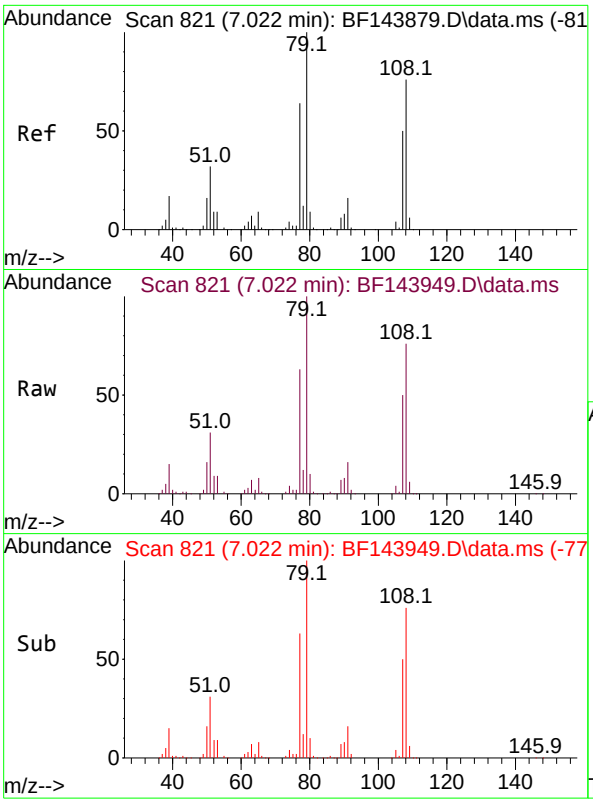


#14
1,2-Dichlorobenzene
Concen: 43.998 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:146 Resp: 363836

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
111	43.5	34.6	51.8





#15
Benzyl Alcohol
Concen: 46.760 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 79 Resp: 31237

Ion	Ratio	Lower	Upper
79	100		
108	75.5	60.8	91.2
77	62.6	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
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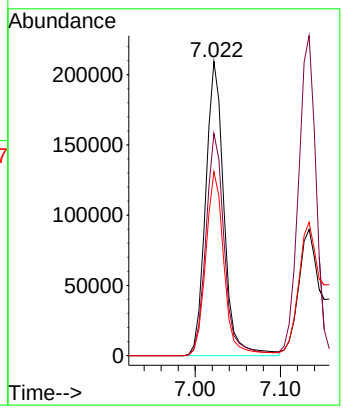
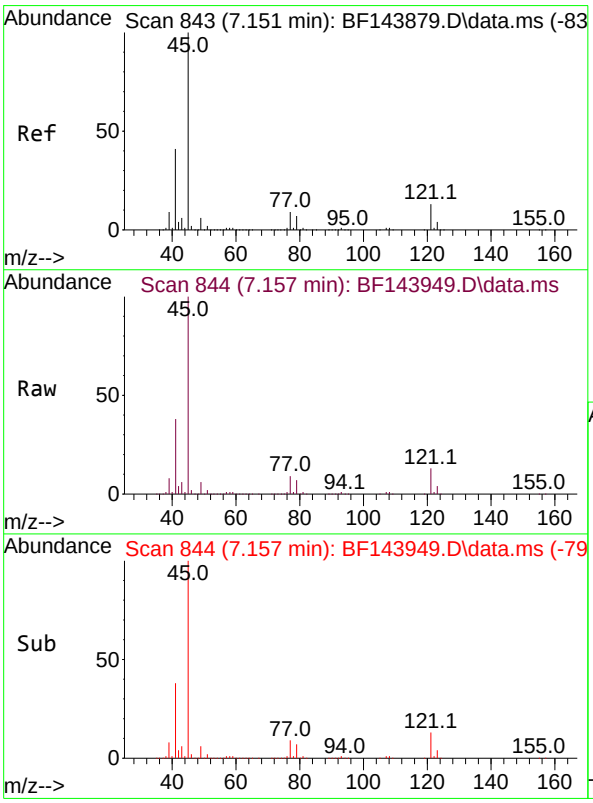
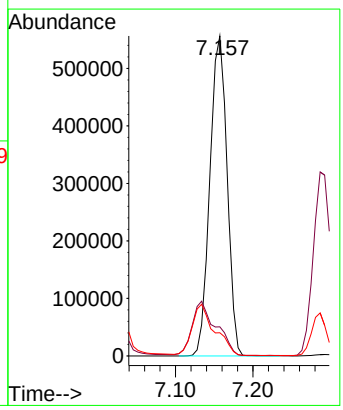


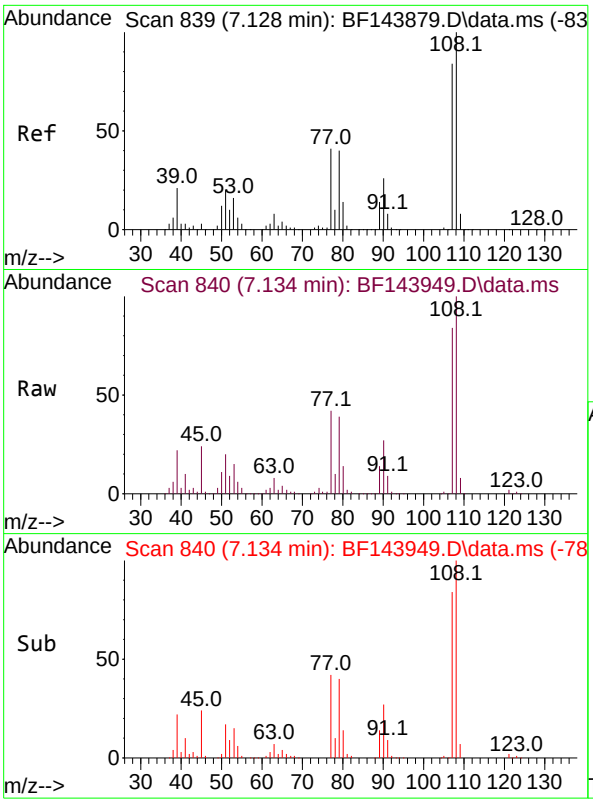


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.746 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 45 Resp: 857401

Ion	Ratio	Lower	Upper
45	100		
77	9.1	0.0	29.0
79	7.2	0.0	26.8

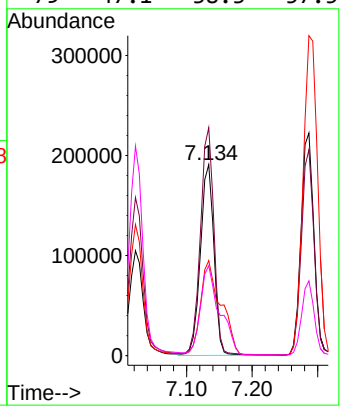




#17
2-Methylphenol
Concen: 45.365 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:107 Resp: 27412

Ion	Ratio	Lower	Upper
107	100		
108	119.4	94.7	142.1
77	49.7	38.8	58.2
79	47.1	38.3	57.5



Instrument :
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ClientSampleId :
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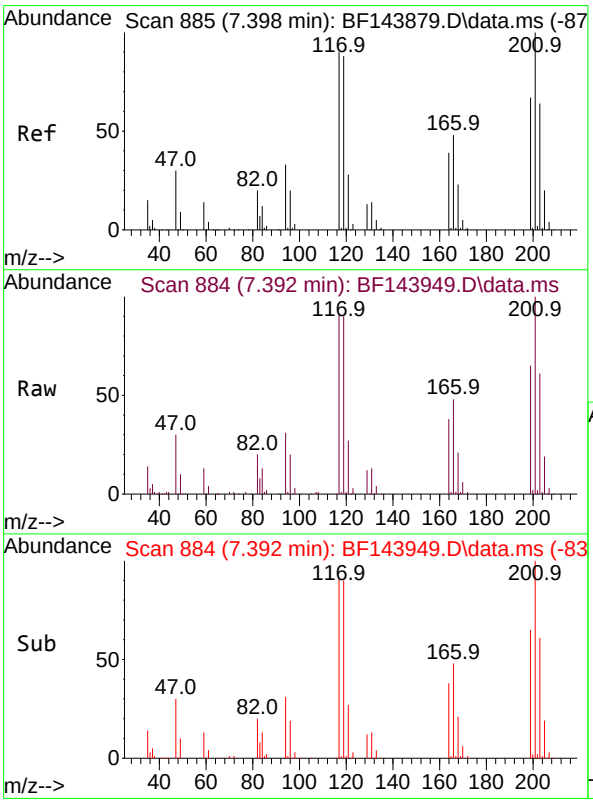
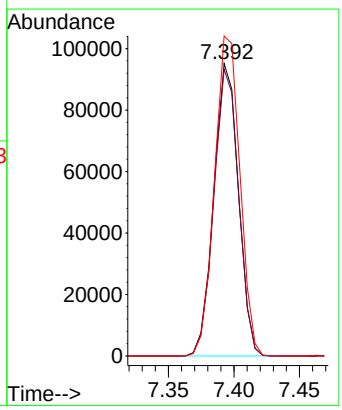
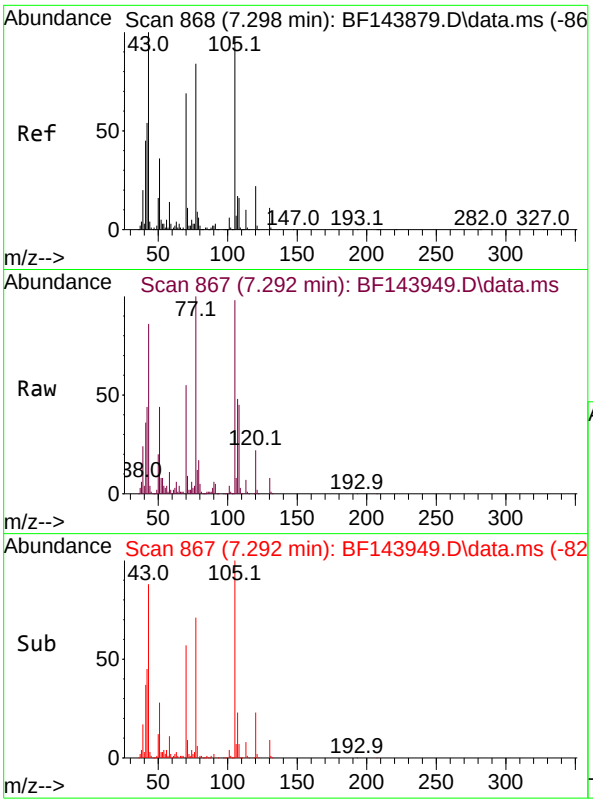


#18
Hexachloroethane
Concen: 43.220 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:117 Resp: 124439

Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.8	116.8
201	109.4	88.5	132.7

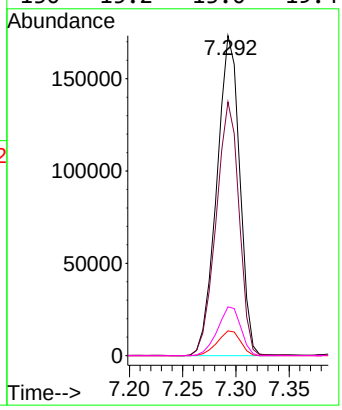




#19
n-Nitroso-di-n-propylamine
Concen: 42.626 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 70 Resp: 26014

Ion	Ratio	Lower	Upper
70	100		
42	79.3	62.8	94.2
101	7.7	6.7	10.1
130	15.2	13.0	19.4



Instrument :
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ClientSampleId :
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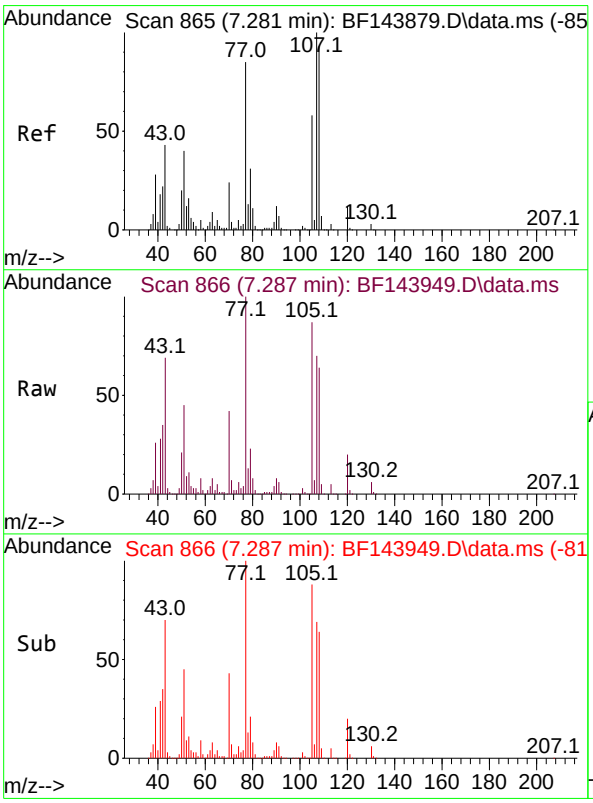
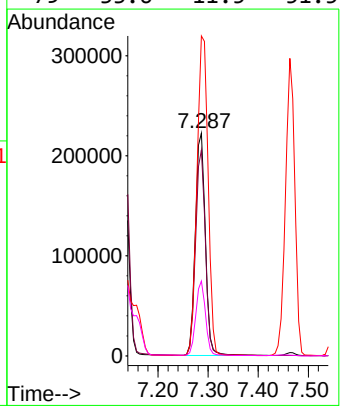
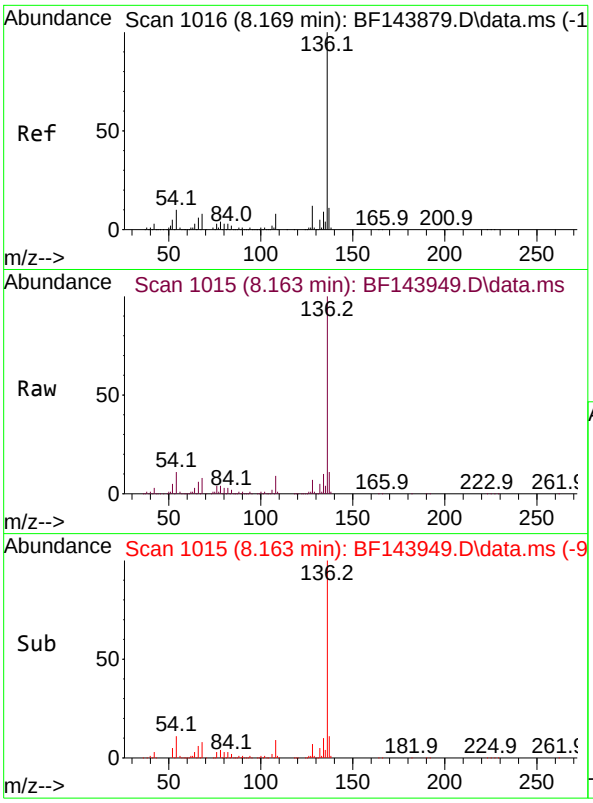


#20
3+4-Methylphenols
Concen: 43.906 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:107 Resp: 307492

Ion	Ratio	Lower	Upper
107	100		
108	92.5	73.0	113.0
77	143.7	64.6	104.6#
79	33.6	11.5	51.5

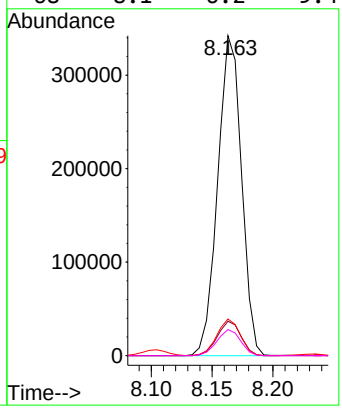




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:136 Resp: 46502

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	11.4	8.2	12.4
68	8.1	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
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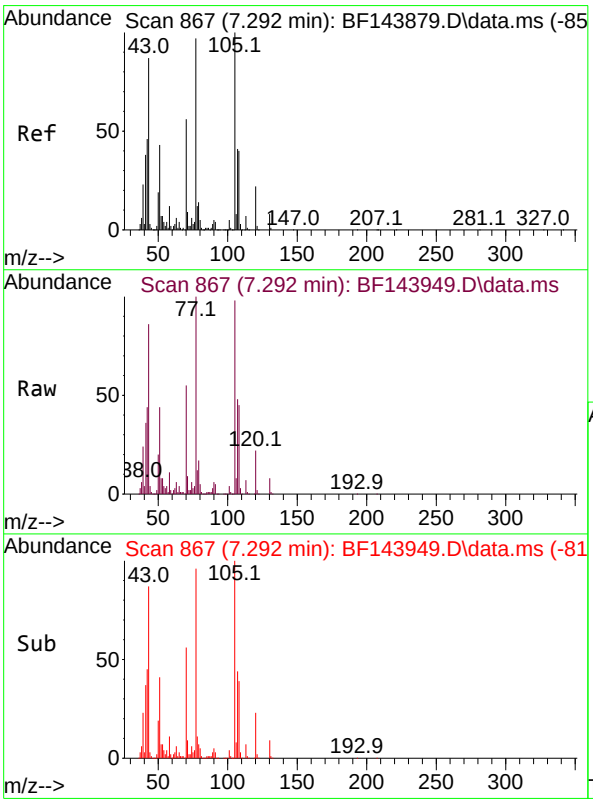
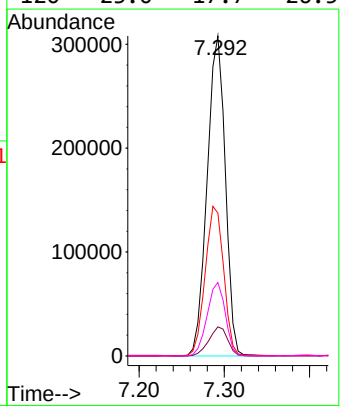
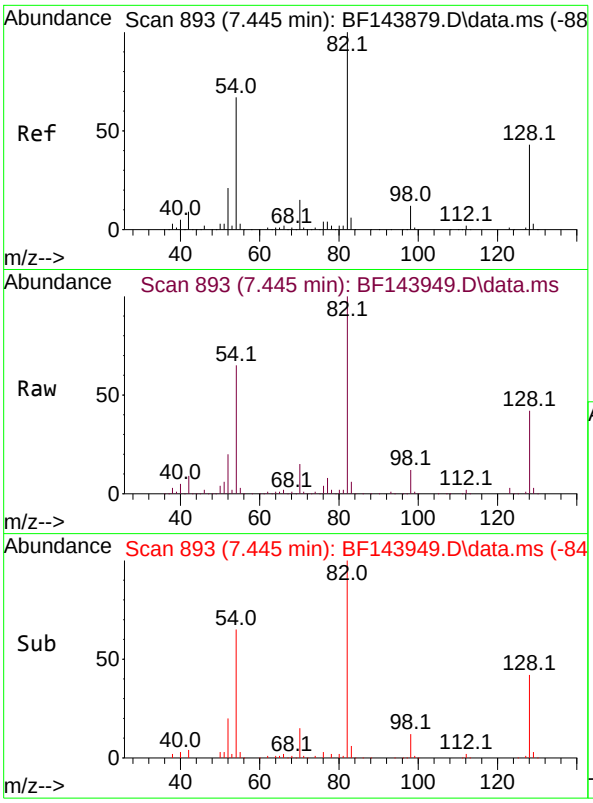


#22
Acetophenone
Concen: 46.453 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:105 Resp: 456756

Ion	Ratio	Lower	Upper
105	100		
71	9.1	7.4	11.0
51	44.6	34.2	51.4
120	23.0	17.7	26.5

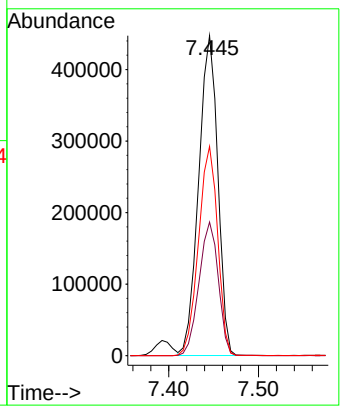




#23
Nitrobenzene-d5
Concen: 86.564 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 82 Resp: 66257

Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.0	51.0
54	65.4	53.2	79.8



Instrument :
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ClientSampleId :
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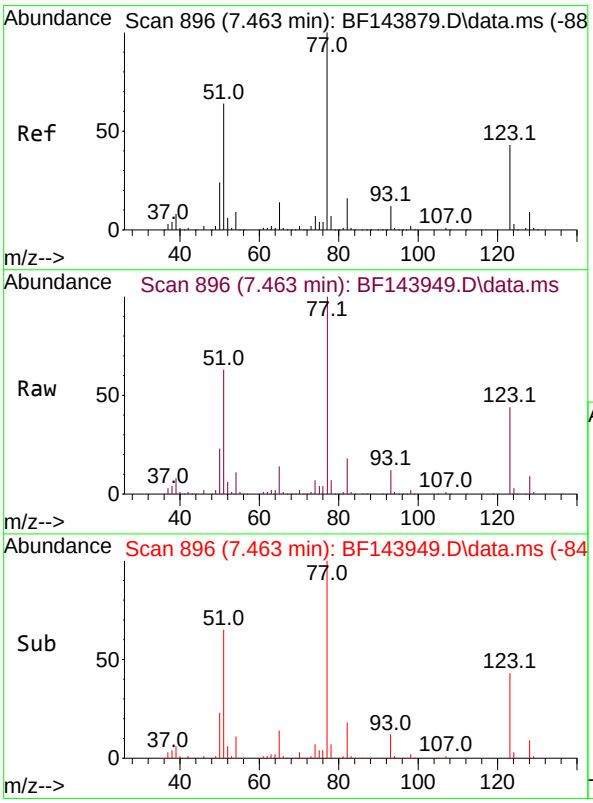
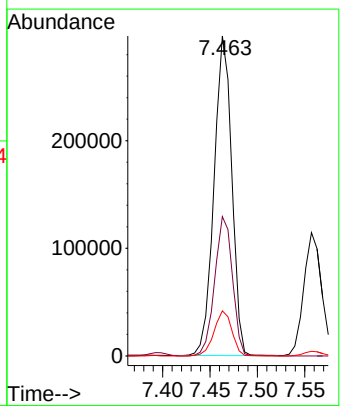
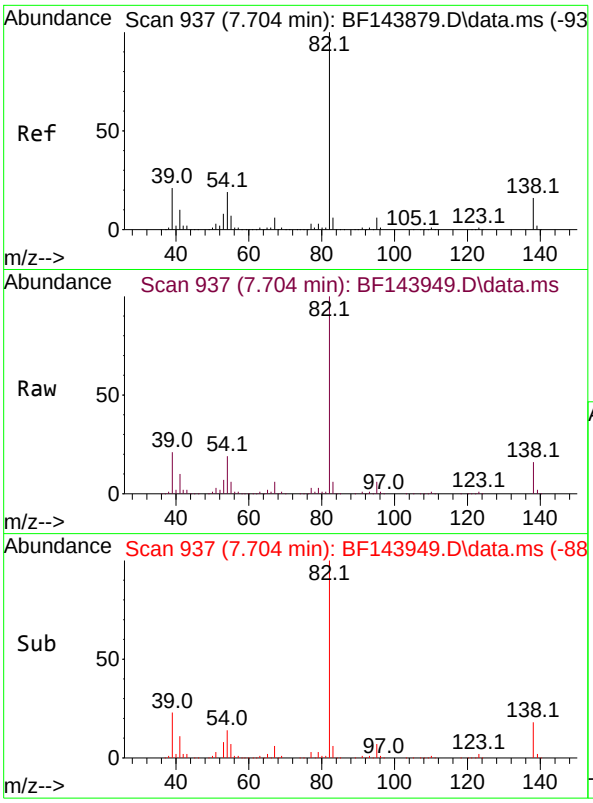


#24
Nitrobenzene
Concen: 45.578 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 77 Resp: 387411

Ion	Ratio	Lower	Upper
77	100		
123	43.5	34.2	51.4
65	14.1	11.0	16.6

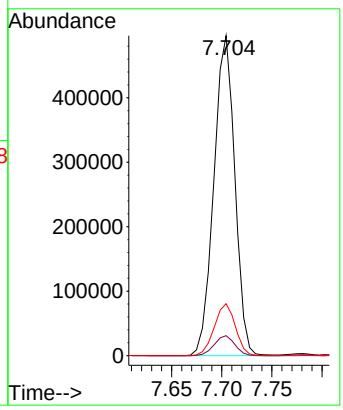




#25
Isophorone
Concen: 44.854 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 82 Resp: 72390

Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.1	7.7
138	16.2	12.9	19.3



Instrument :
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ClientSampleId :
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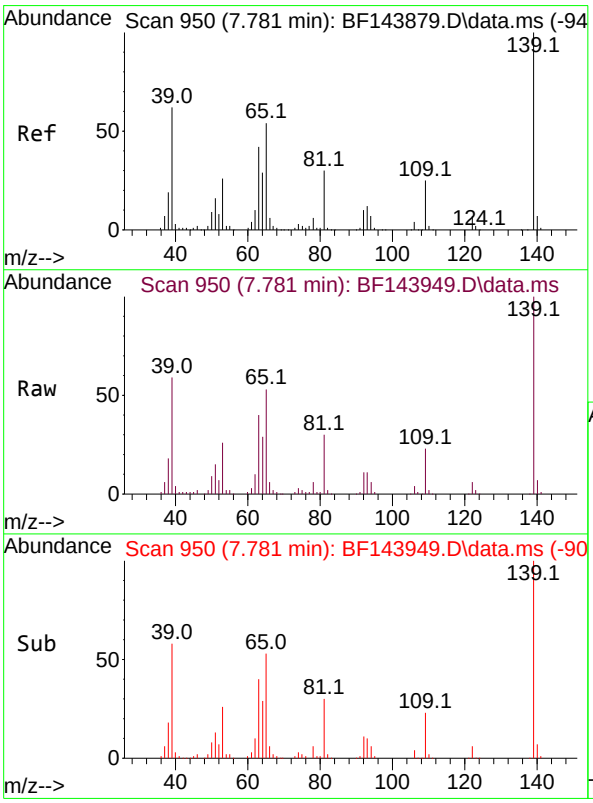
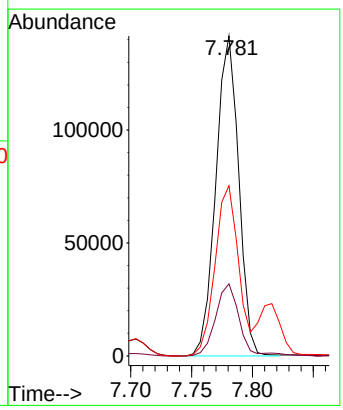
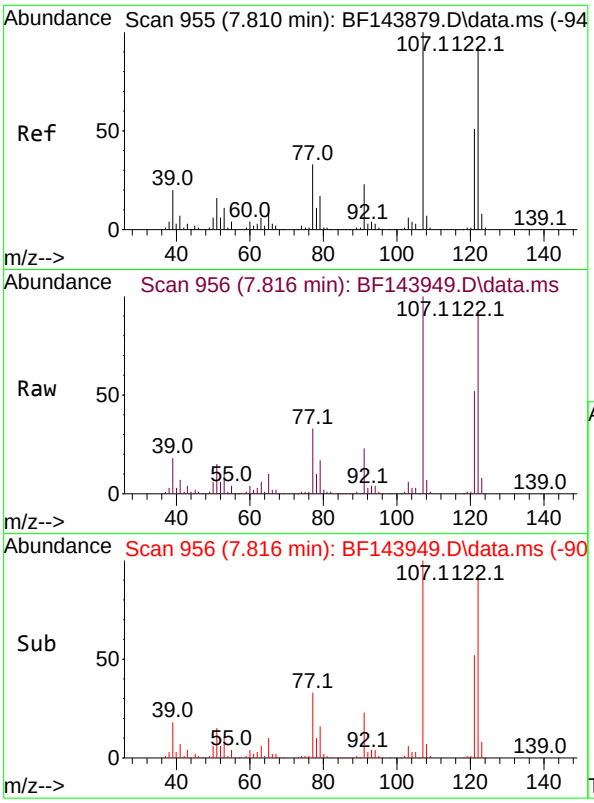


#26
2-Nitrophenol
Concen: 50.871 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:139 Resp: 185383

Ion	Ratio	Lower	Upper
139	100		
109	22.5	19.8	29.6
65	53.2	42.9	64.3

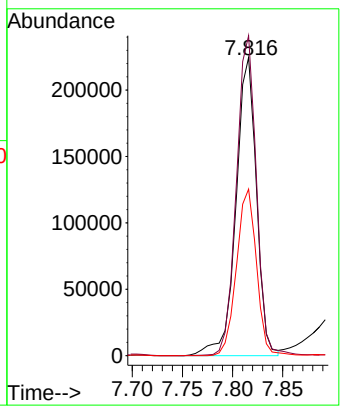




#27
2,4-Dimethylphenol
Concen: 48.575 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:122 Resp: 31843

Ion	Ratio	Lower	Upper
122	100		
107	107.3	86.1	129.1
121	55.8	43.8	65.6



Instrument :
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ClientSampleId :
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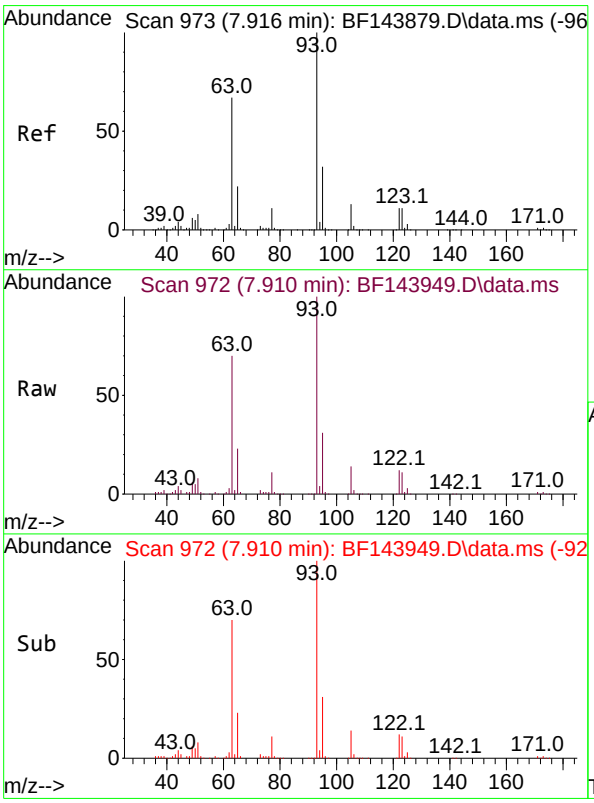
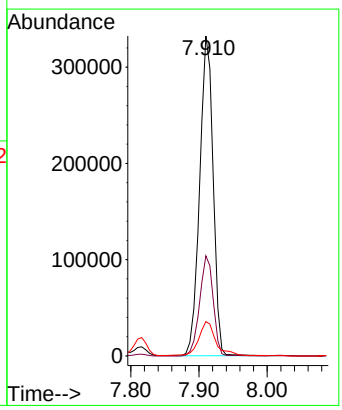
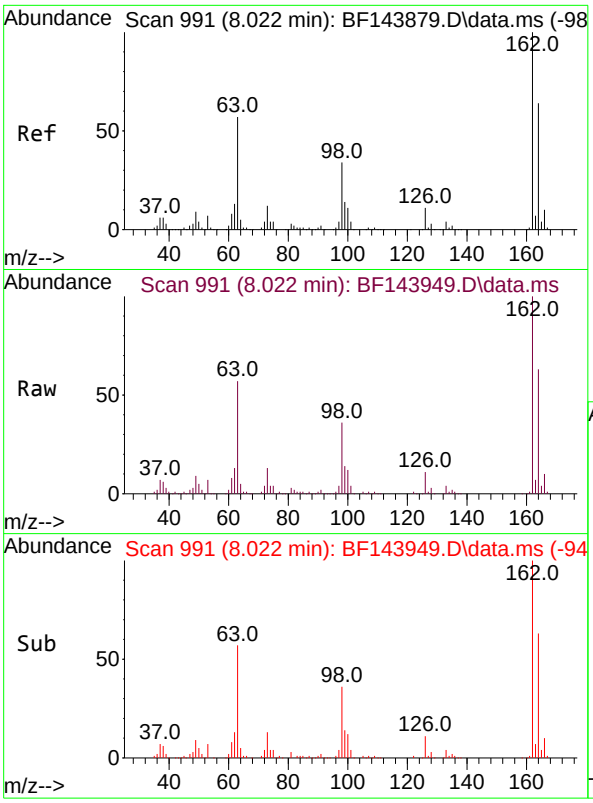


#28
bis(2-Chloroethoxy)methane
Concen: 44.846 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 93 Resp: 457201

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.9	38.9
123	10.7	9.4	14.0

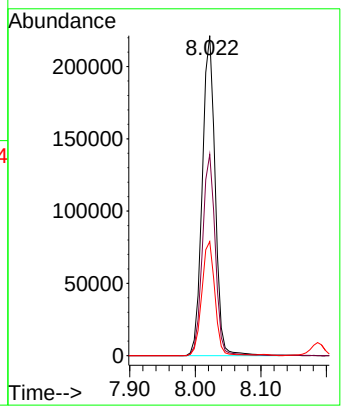




#29
2,4-Dichlorophenol
Concen: 44.016 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:162 Resp: 30055

Ion	Ratio	Lower	Upper
162	100		
164	62.9	43.9	83.9
98	35.6	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
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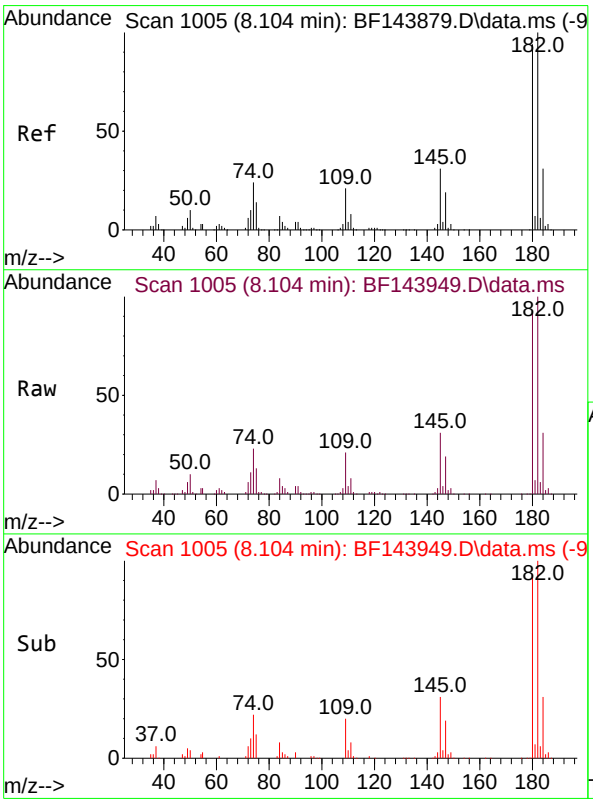
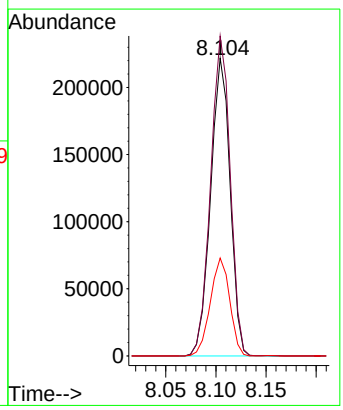
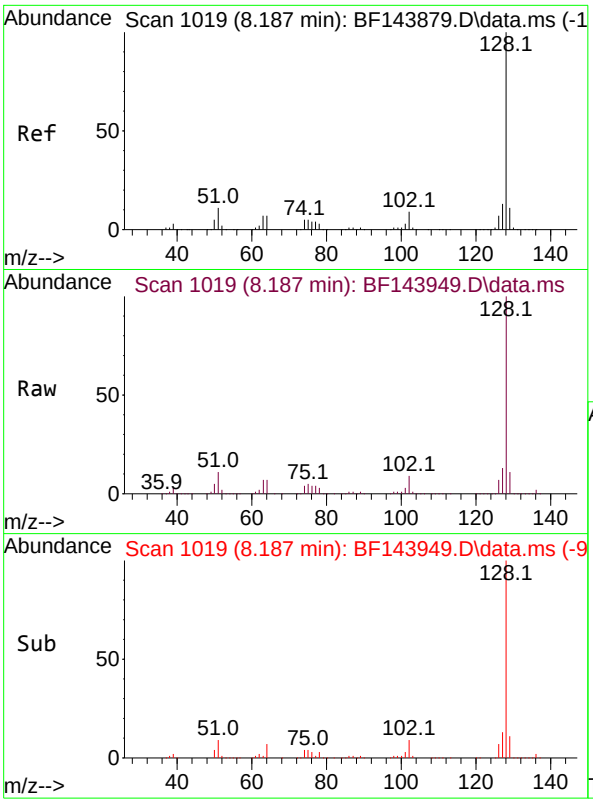


#30
1,2,4-Trichlorobenzene
Concen: 44.730 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:180 Resp: 300386

Ion	Ratio	Lower	Upper
180	100		
182	107.4	85.4	128.0
145	32.8	26.3	39.5





#31
Naphthalene
Concen: 42.827 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:128 Resp: 90594

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.9	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
PB170055BS

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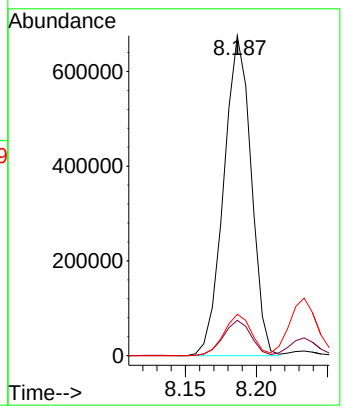
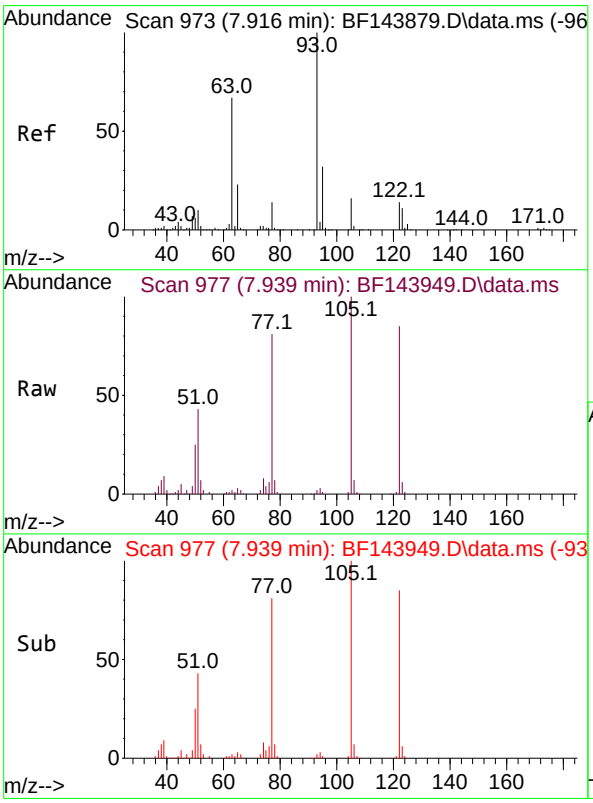
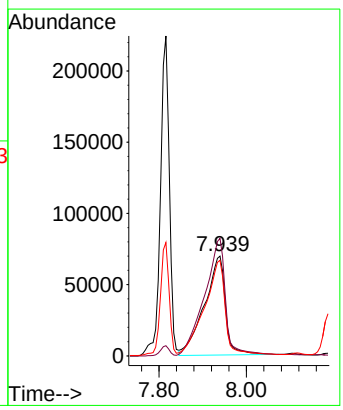


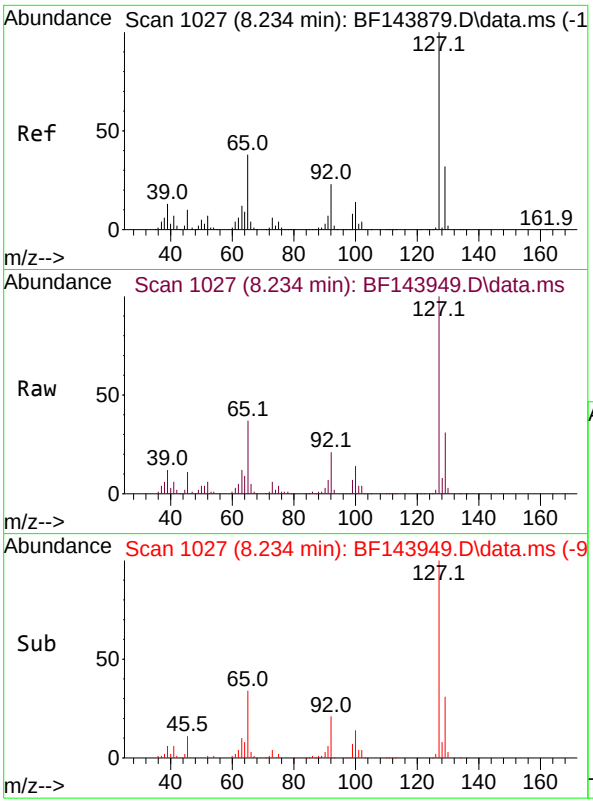


#32
Benzoic acid
Concen: 51.267 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.023 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:122 Resp: 232590

Ion	Ratio	Lower	Upper
122	100		
105	117.9	93.5	133.5
77	95.8	76.3	116.3

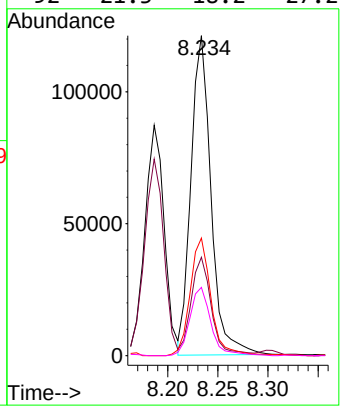




#33
4-Chloroaniline
Concen: 21.248 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:127 Resp: 16857

Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.8	38.8
65	36.7	30.0	45.0
92	21.3	18.2	27.2



Instrument :
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ClientSampleId :
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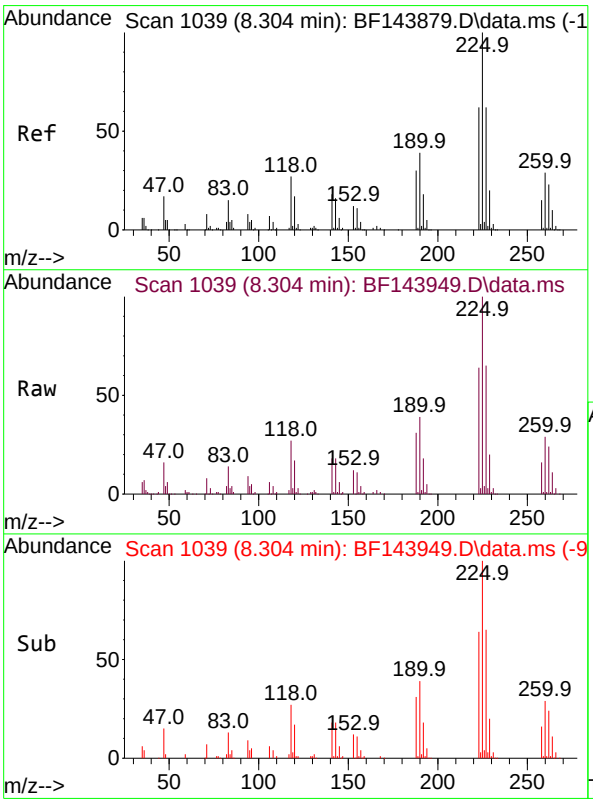
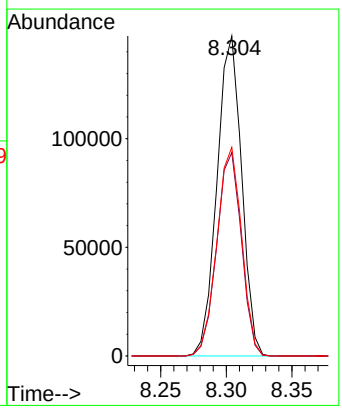
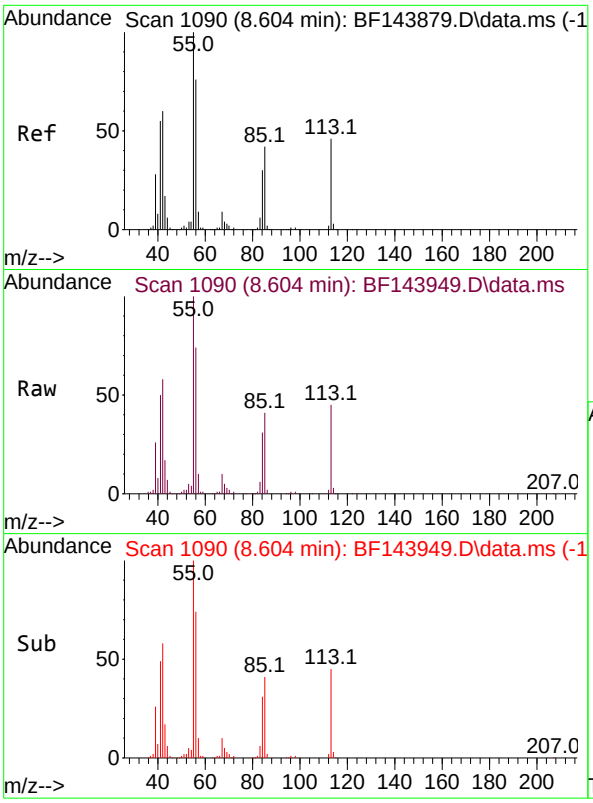


#34
Hexachlorobutadiene
Concen: 41.250 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:225 Resp: 192496

Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.4	74.2
227	65.2	49.7	74.5

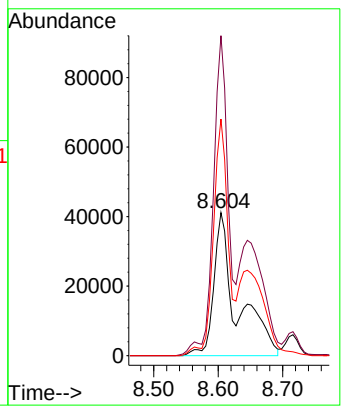




#35
Caprolactam
Concen: 47.132 ng m
RT: 8.604 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:113 Resp: 10232

Ion	Ratio	Lower	Upper
113	100		
55	223.8	199.6	239.6
56	165.4	146.0	186.0



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ClientSampleId :
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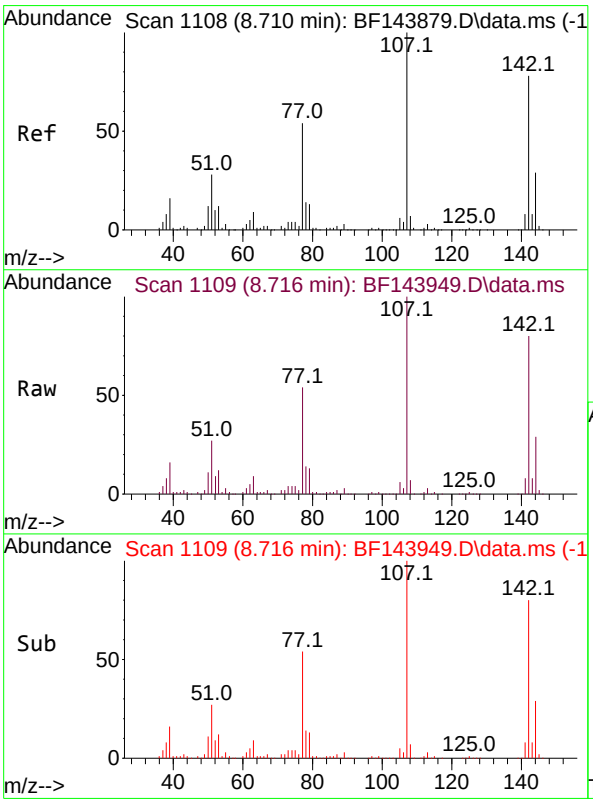
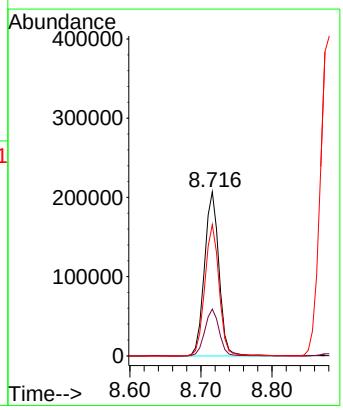
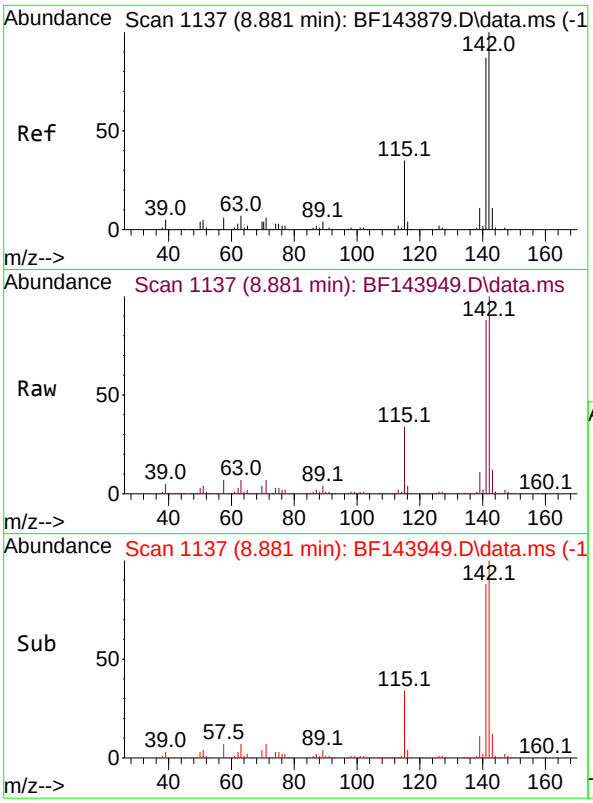


#36
4-Chloro-3-methylphenol
Concen: 44.626 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:107 Resp: 292710

Ion	Ratio	Lower	Upper
107	100		
144	28.5	23.1	34.7
142	80.0	62.6	94.0

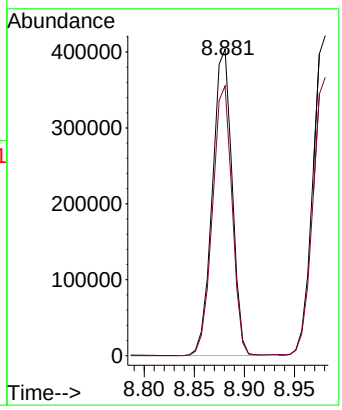




#37
2-Methylnaphthalene
Concen: 39.091 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:142 Resp: 55082

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
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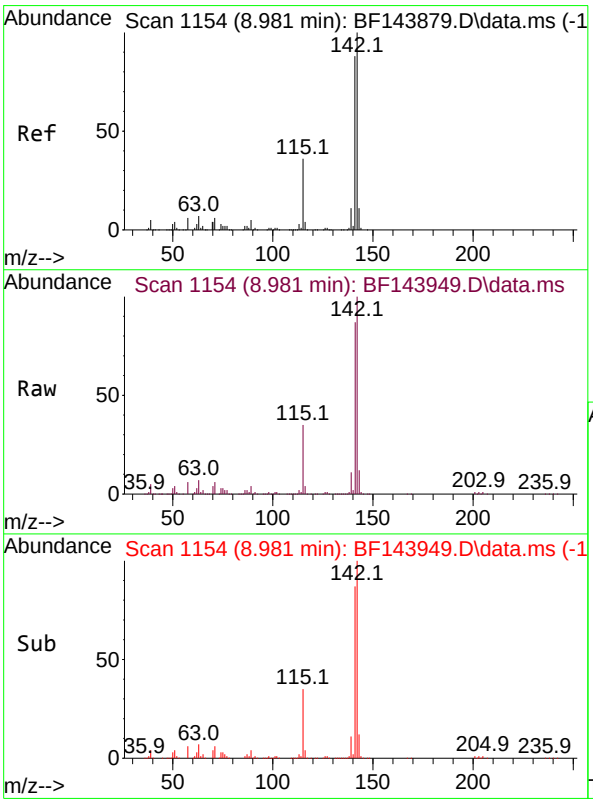
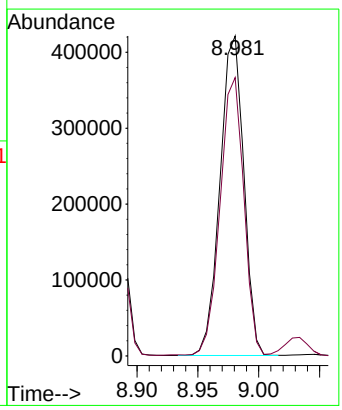
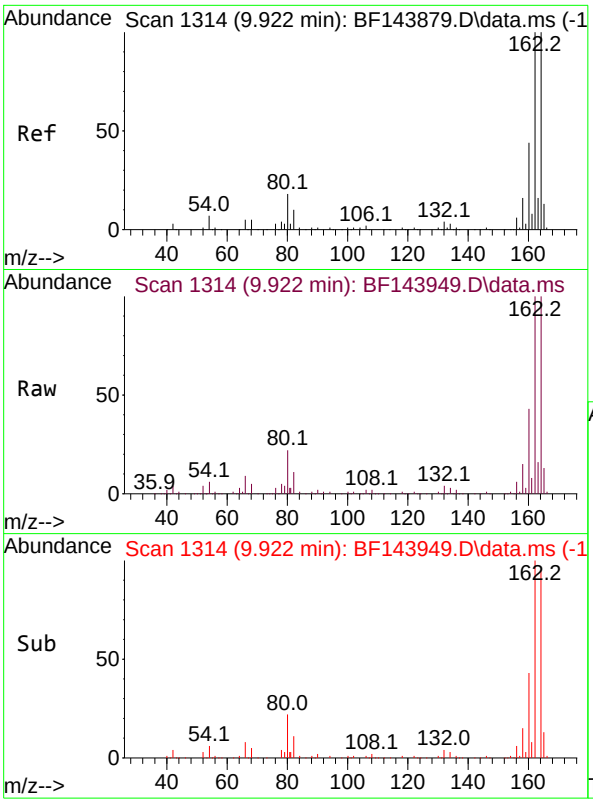


#38
1-Methylnaphthalene
Concen: 41.830 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:142 Resp: 571719

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2

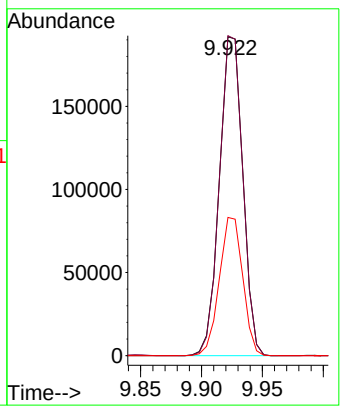




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:164 Resp: 25682

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.2
160	43.3	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
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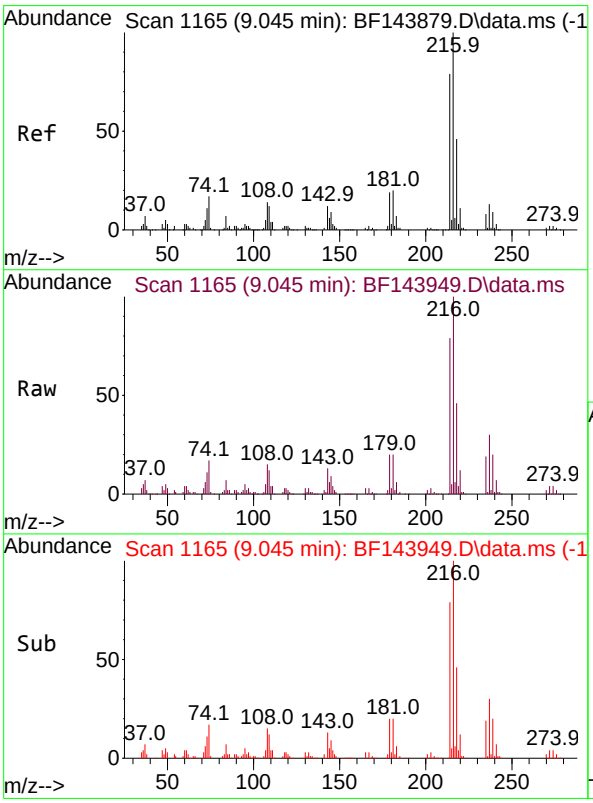
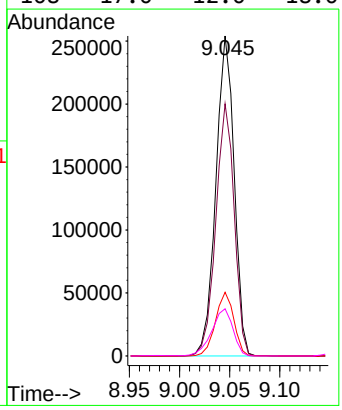
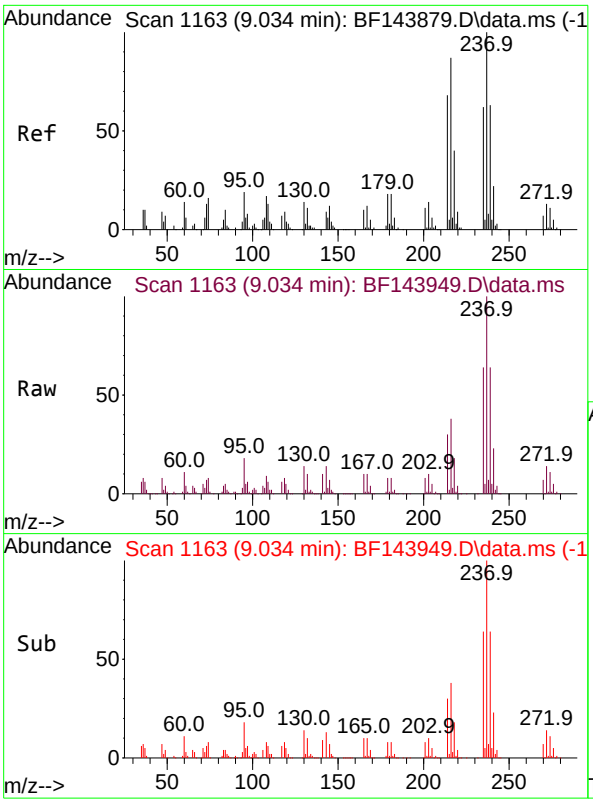


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.618 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:216 Resp: 323807

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.6	94.0
179	19.8	15.4	23.0
108	17.0	12.0	18.0

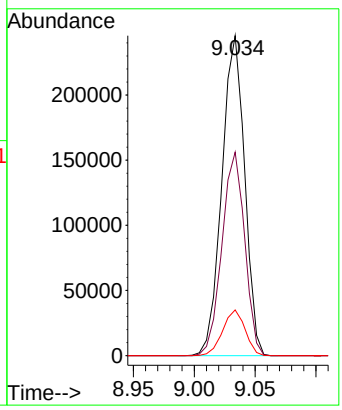




#41
Hexachlorocyclopentadiene
Concen: 108.649 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:237 Resp: 31994

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.3	82.3
272	14.3	0.0	33.1



Instrument :
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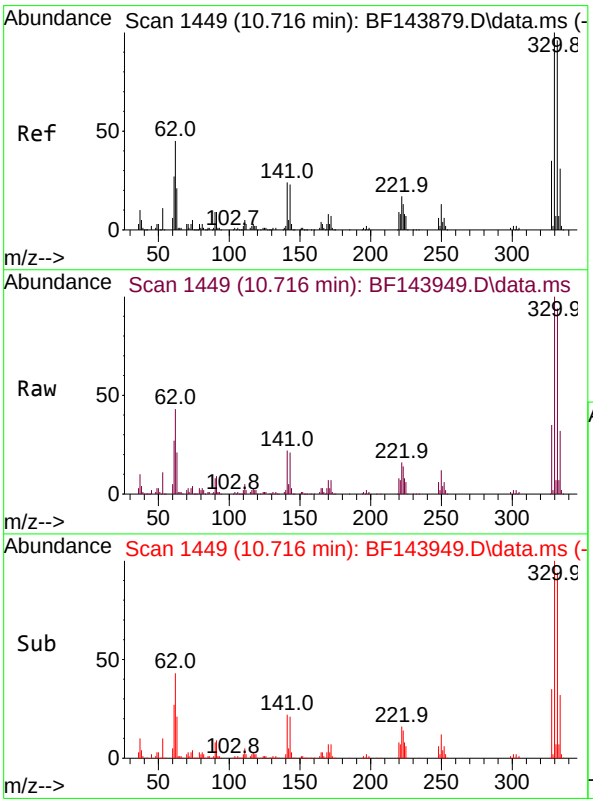
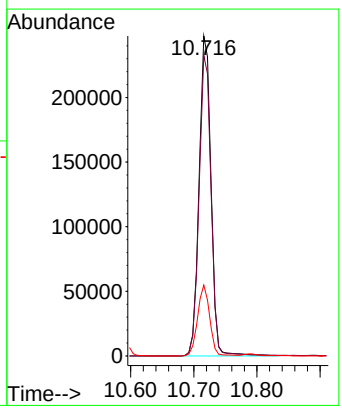
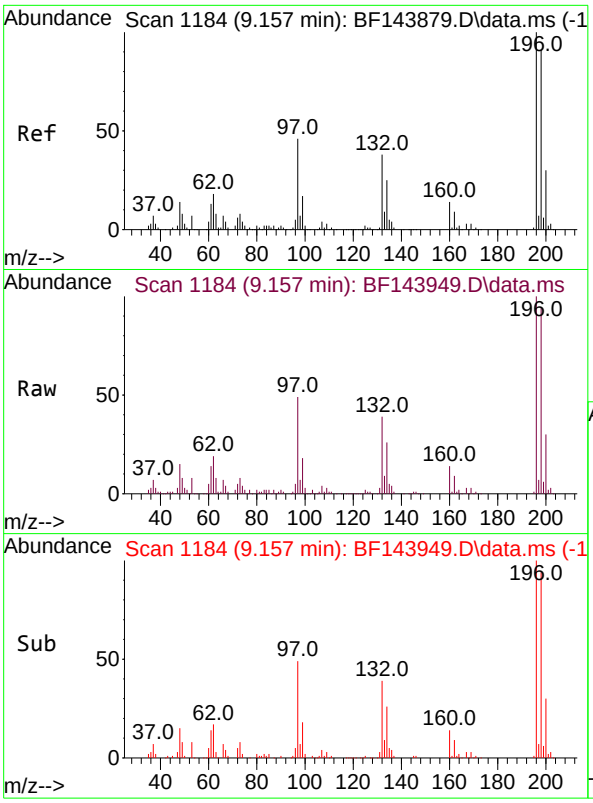


#42
2,4,6-Tribromophenol
Concen: 127.036 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:330 Resp: 324960

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.9	115.3
141	22.4	20.2	30.4

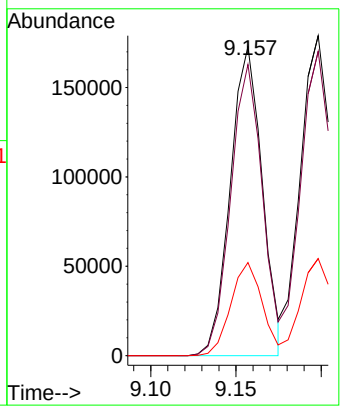




#43
2,4,6-Trichlorophenol
Concen: 43.442 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:196 Resp: 225309

Ion	Ratio	Lower	Upper
196	100		
198	94.2	72.8	109.2
200	30.1	24.0	36.0



Instrument :
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ClientSampleId :
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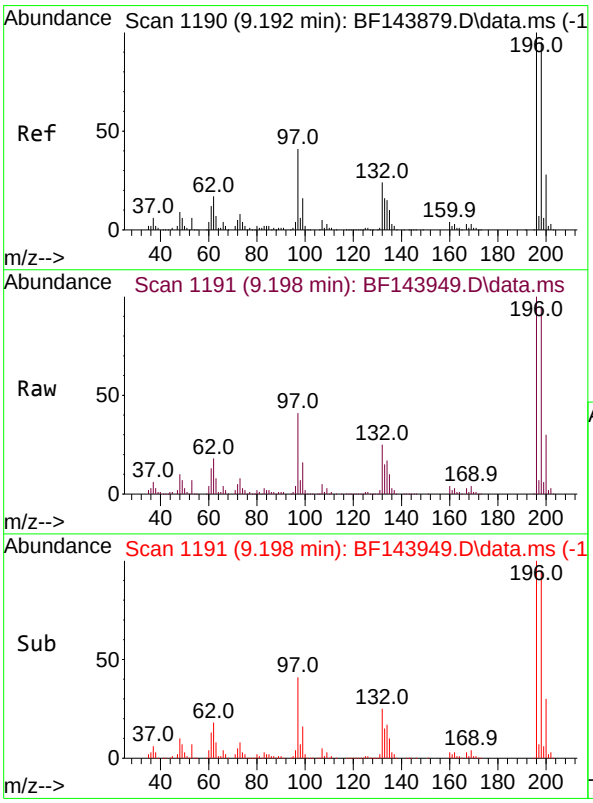
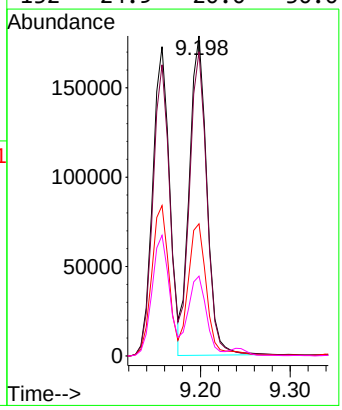
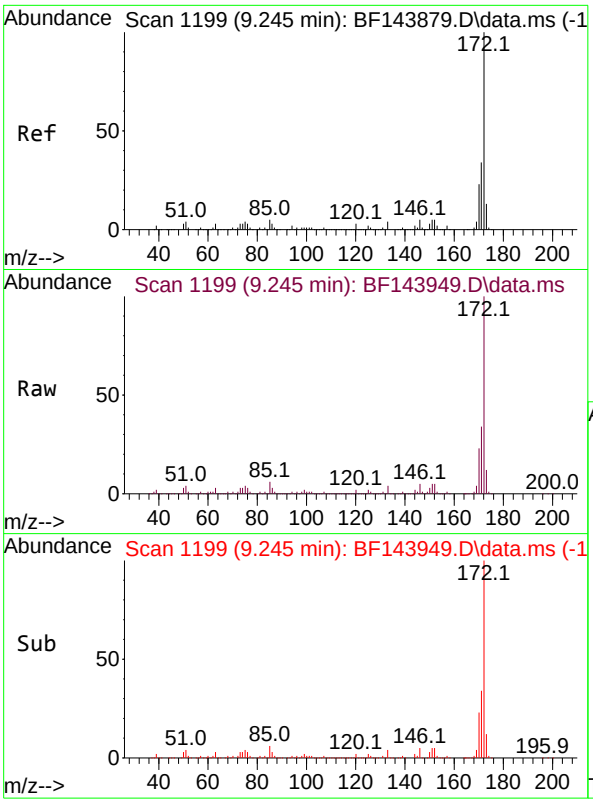


#44
2,4,5-Trichlorophenol
Concen: 44.031 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:196 Resp: 241324

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.5	113.3
97	41.3	33.9	50.9
132	24.9	20.0	30.0

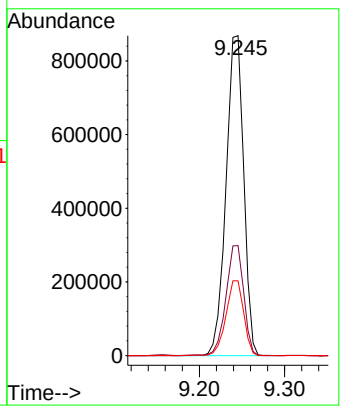




#45
2-Fluorobiphenyl
Concen: 77.208 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:172 Resp: 124966

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.0
170	23.4	18.6	28.0



Instrument :
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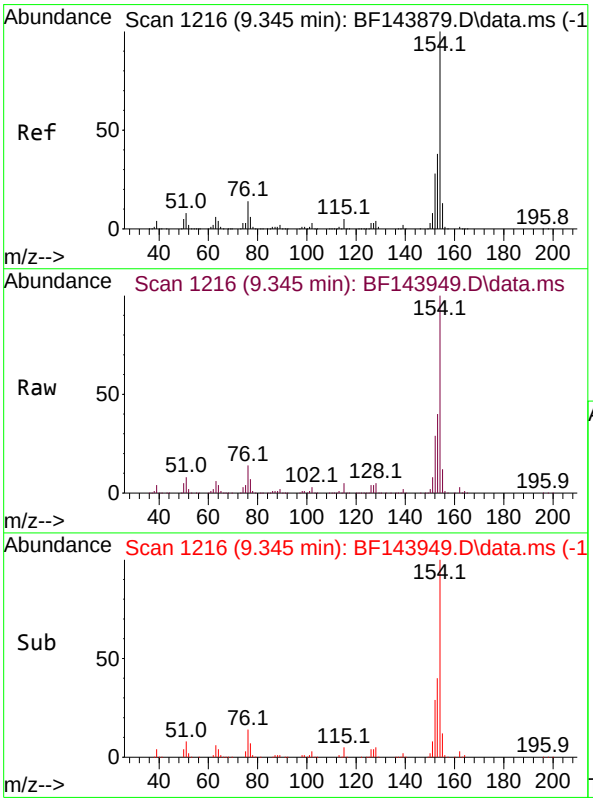
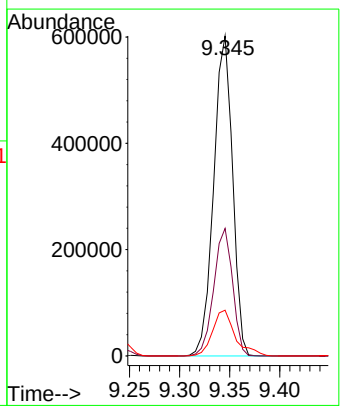
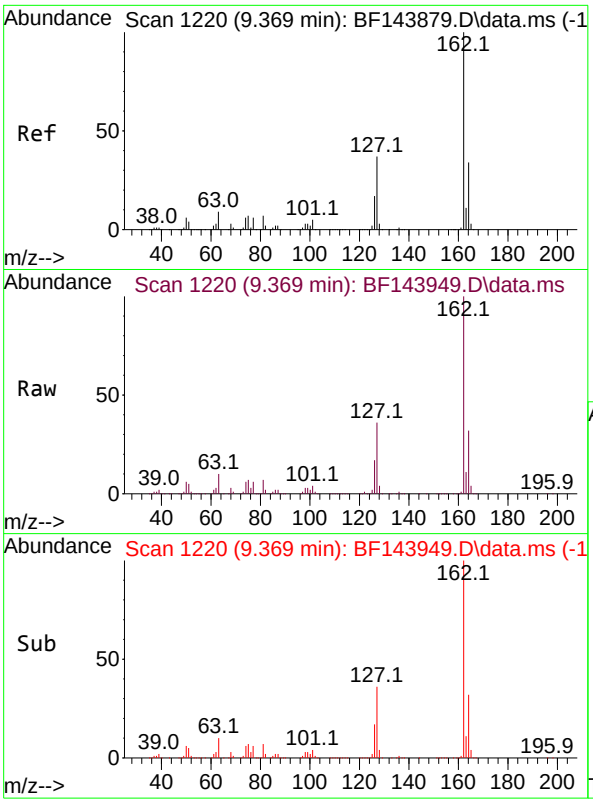


#46
1,1'-Biphenyl
Concen: 46.319 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:154 Resp: 787600

Ion	Ratio	Lower	Upper
154	100		
153	39.8	18.4	58.4
76	14.3	0.0	34.0

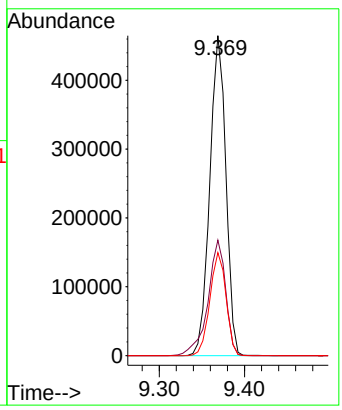




#47
2-Chloronaphthalene
Concen: 43.002 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:162 Resp: 60964

Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.2	45.2
164	32.2	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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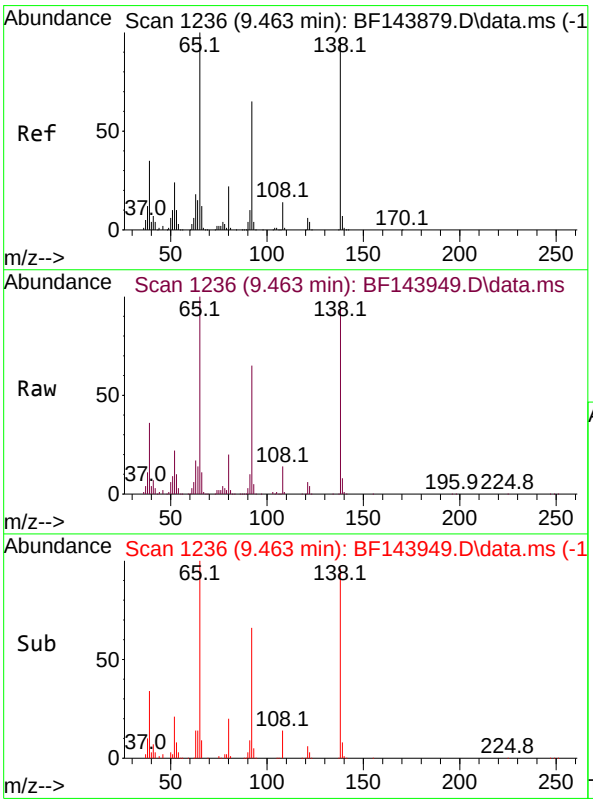
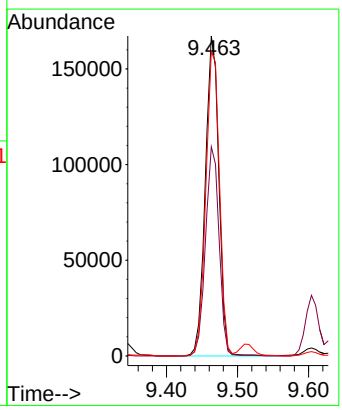
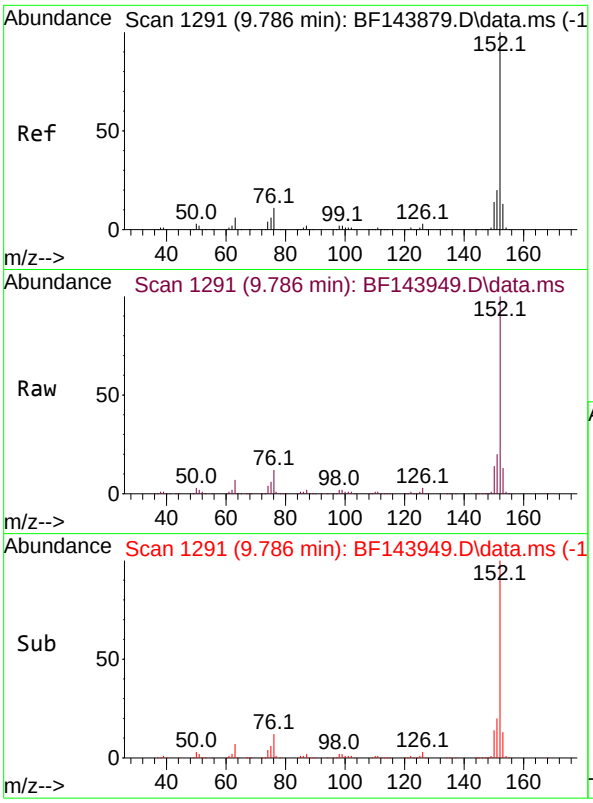


#48
2-Nitroaniline
Concen: 49.132 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 65 Resp: 220218

Ion	Ratio	Lower	Upper
65	100		
92	65.3	52.1	78.1
138	95.1	77.4	116.2

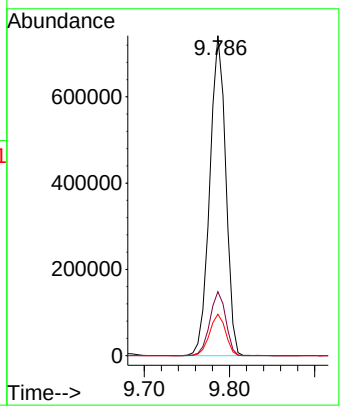




#49
Acenaphthylene
Concen: 48.525 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:152 Resp: 96716

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	12.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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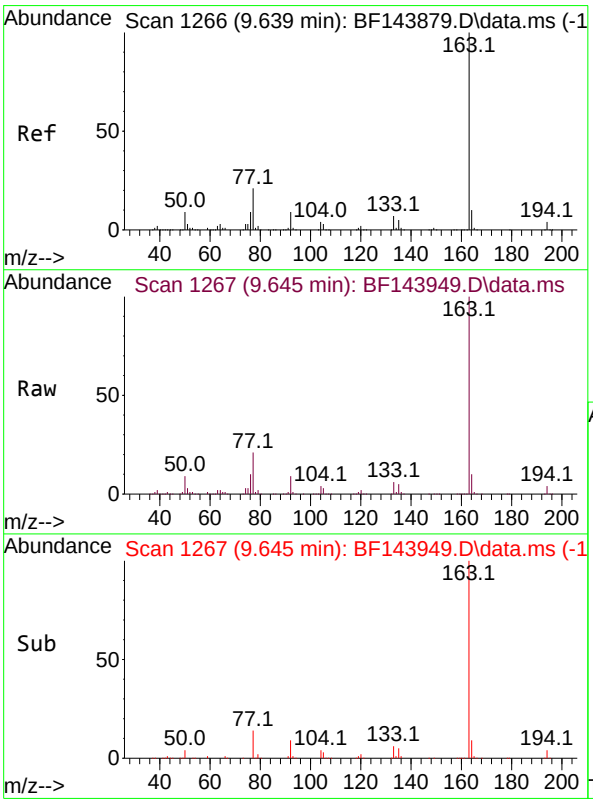
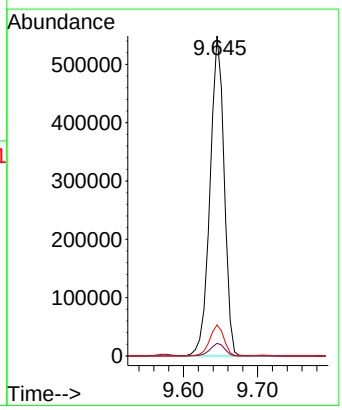
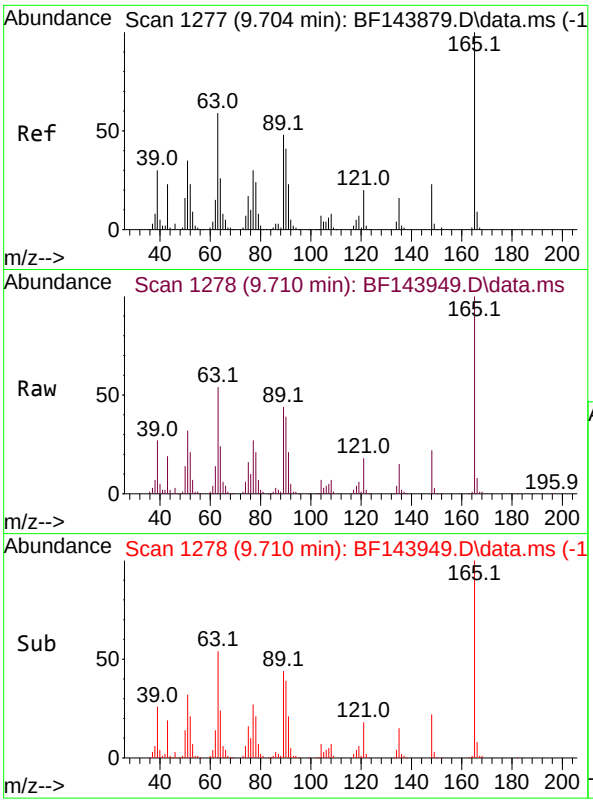


#50
Dimethylphthalate
Concen: 44.552 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:163 Resp: 726615

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.7	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 52.302 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:165 Resp: 15817

Ion	Ratio	Lower	Upper
165	100		
63	53.7	47.3	70.9
89	44.4	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
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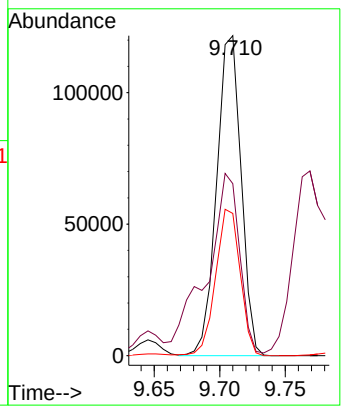
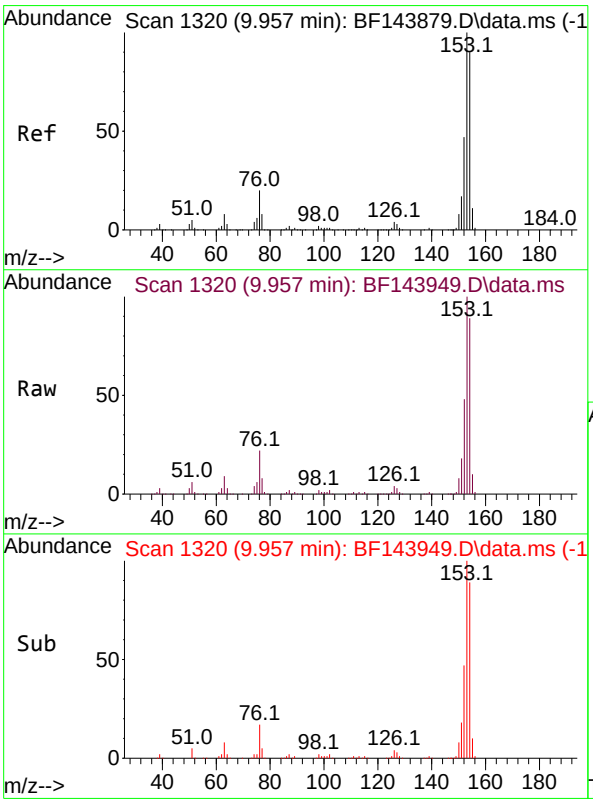
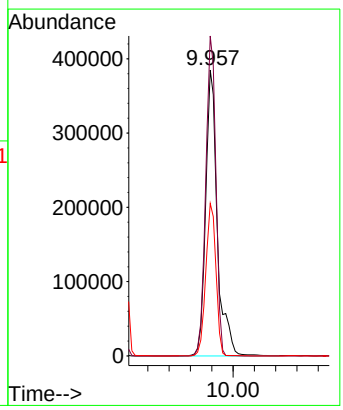


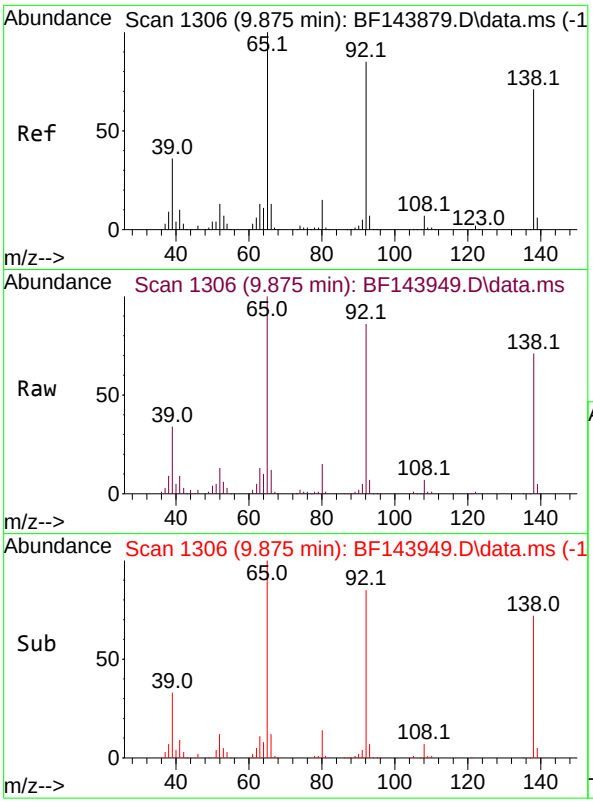


#52
Acenaphthene
Concen: 44.870 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:154 Resp: 585998

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.3	133.9
152	53.3	42.2	63.2





#53
3-Nitroaniline
Concen: 32.248 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:138 Resp: 11941

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.3	12.5
92	121.2	96.2	144.2

Instrument :
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ClientSampleId :
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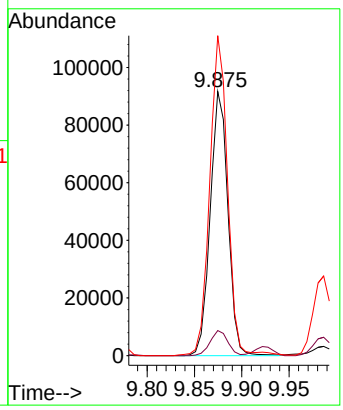
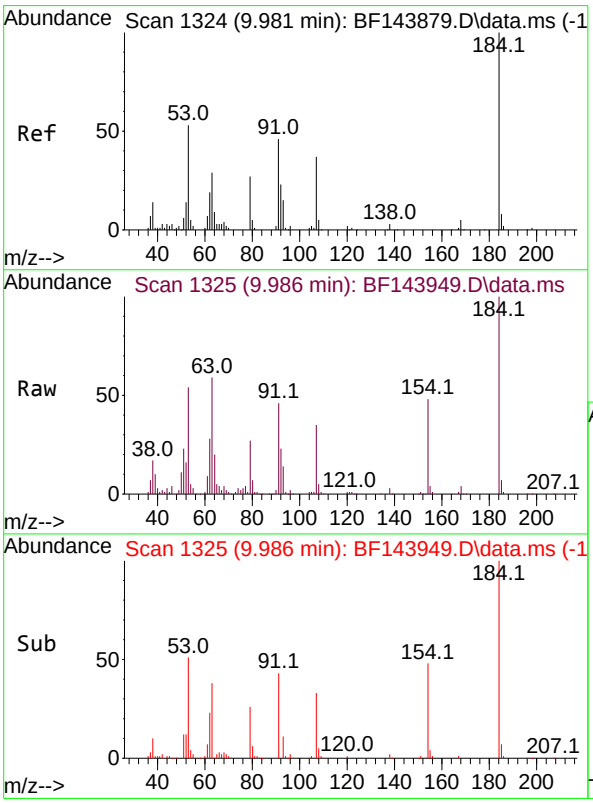
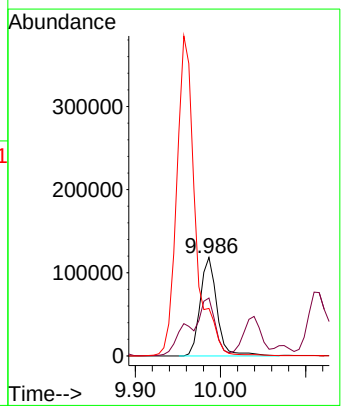


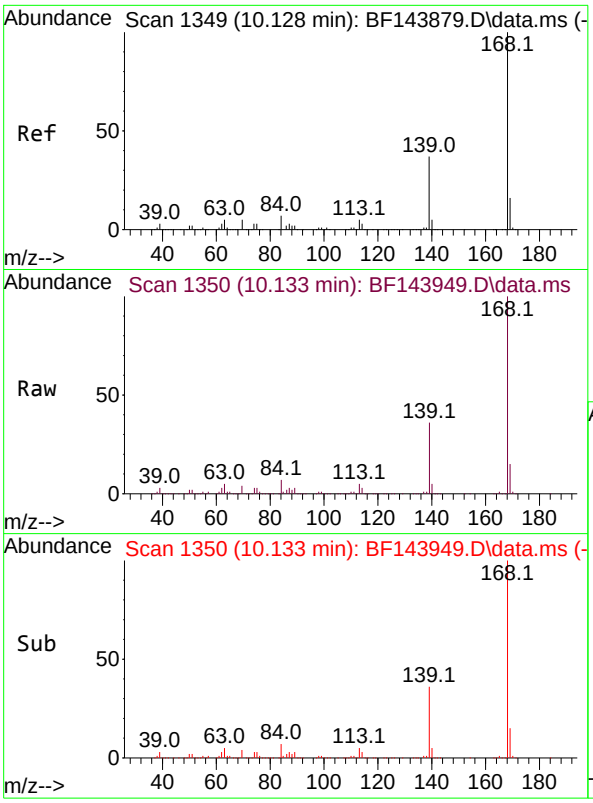


#54
2,4-Dinitrophenol
Concen: 86.267 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:184 Resp: 162038

Ion	Ratio	Lower	Upper
184	100		
63	58.7	48.2	72.4
154	48.1	49.2	73.8#

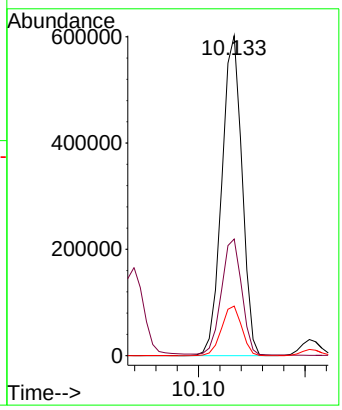




#55
Dibenzofuran
Concen: 42.984 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:168 Resp: 79245

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.8	44.8
169	15.5	12.8	19.2



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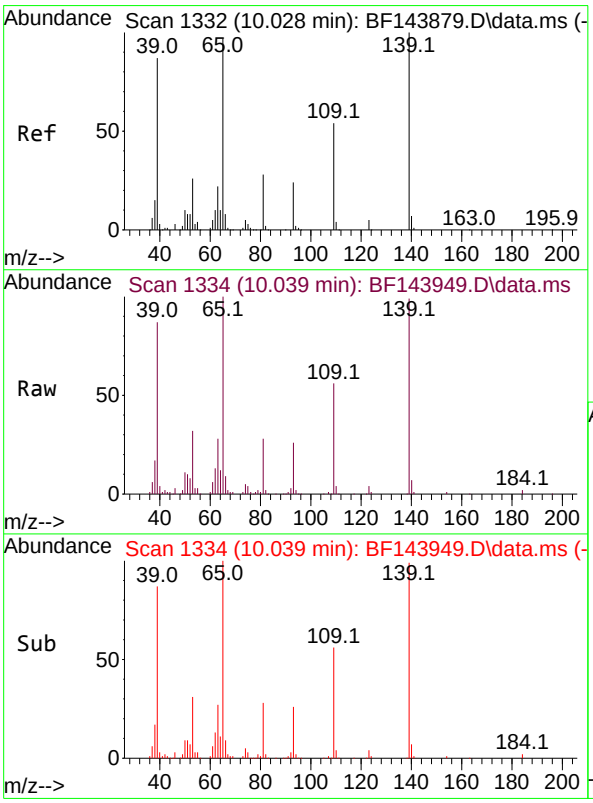
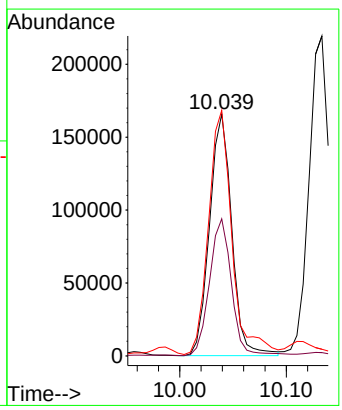
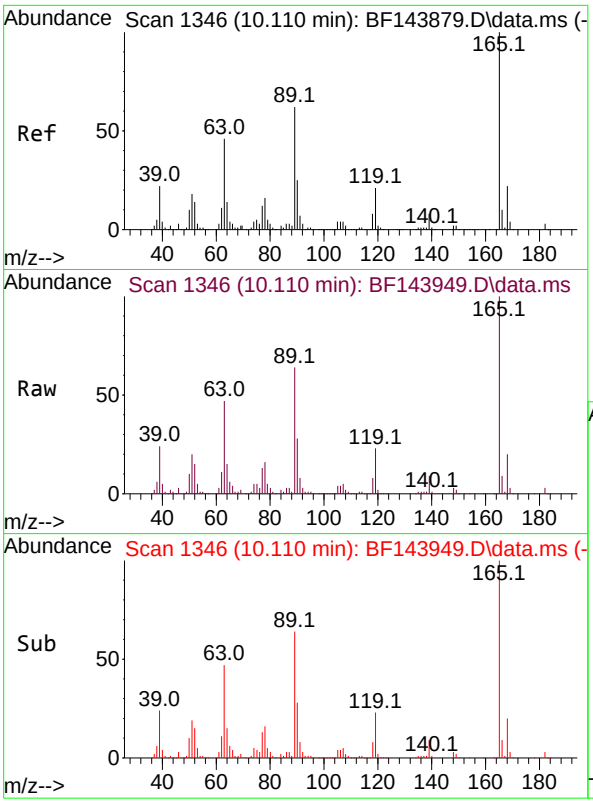


#56
4-Nitrophenol
Concen: 85.616 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:139 Resp: 240051

Ion	Ratio	Lower	Upper
139	100		
109	56.7	34.5	74.5
65	101.5	77.6	117.6

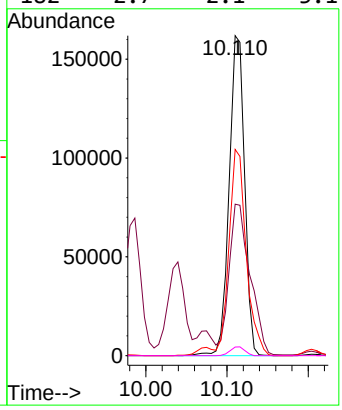




#57
2,4-Dinitrotoluene
Concen: 52.070 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:165 Resp: 21426

Ion	Ratio	Lower	Upper
165	100		
63	47.3	37.2	55.8
89	64.4	49.4	74.2
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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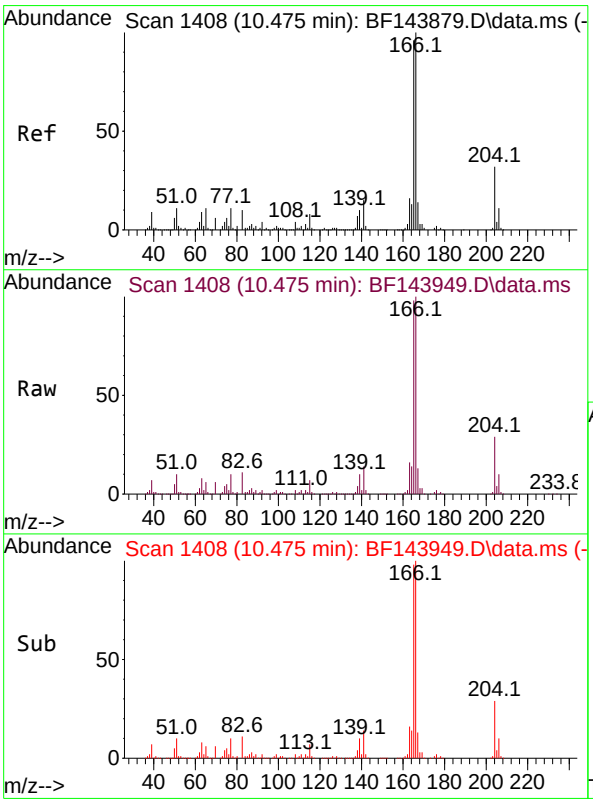
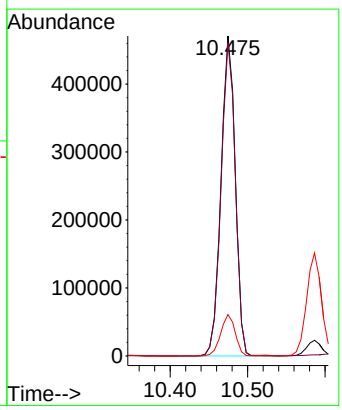
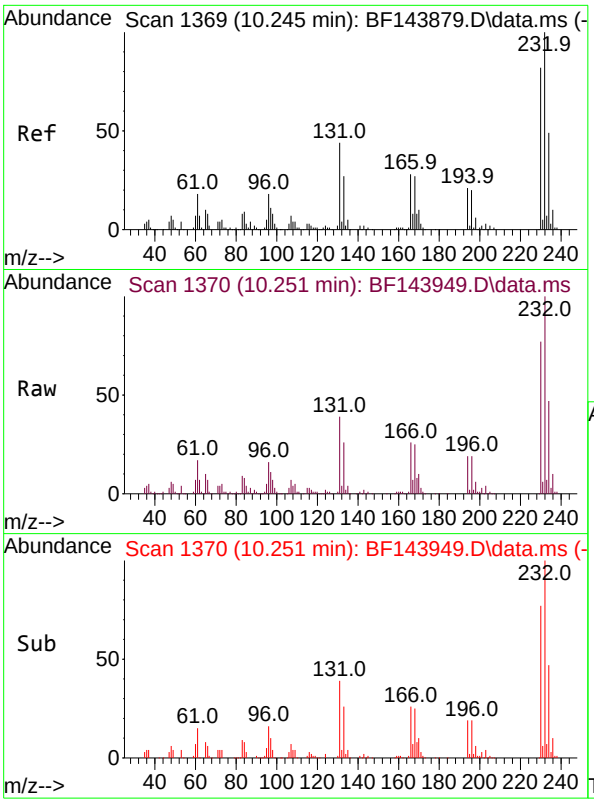


#58
Fluorene
Concen: 43.328 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:166 Resp: 602736

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.0	115.6
167	12.9	11.1	16.7

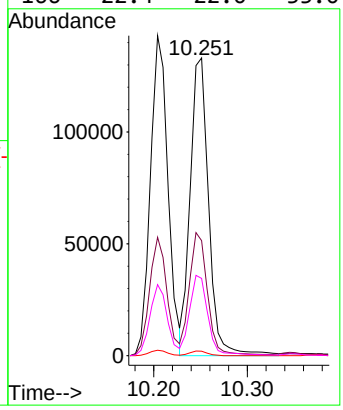




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.176 ng m
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:232 Resp: 18303

Ion	Ratio	Lower	Upper
232	100		
131	37.6	34.9	52.3
130	1.7	1.6	2.4
166	22.4	22.0	33.0



Instrument :
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ClientSampleId :
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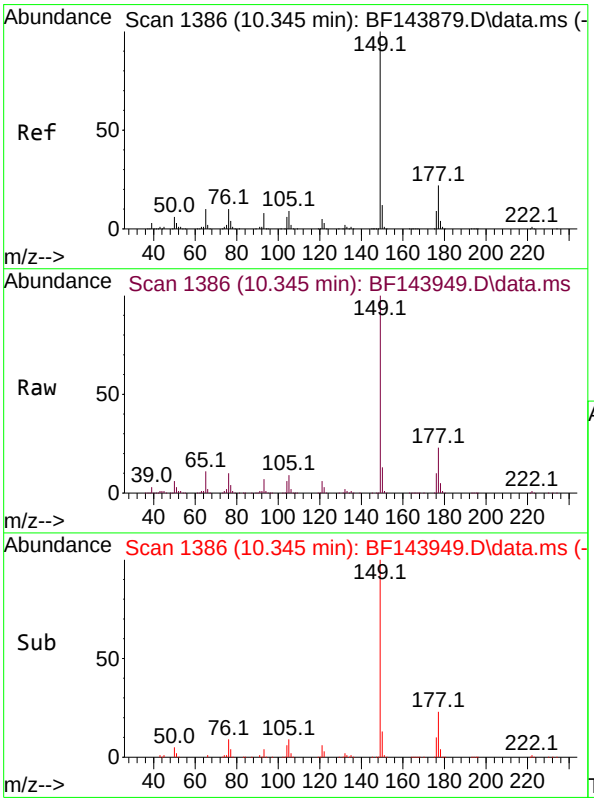
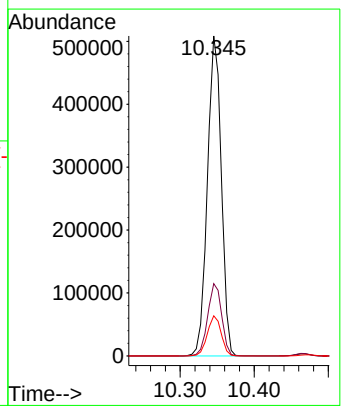
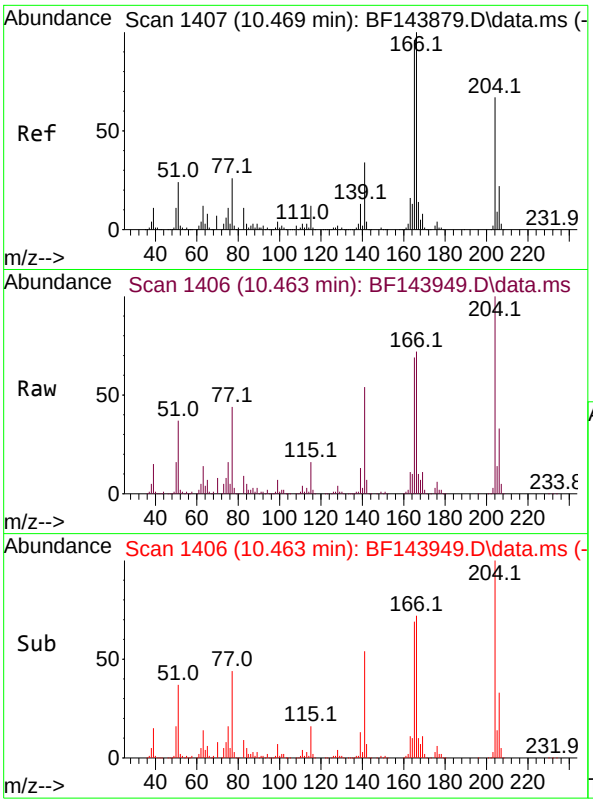


#60
Diethylphthalate
Concen: 43.636 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:149 Resp: 661161

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.5	9.8	14.8





#61
4-Chlorophenyl-phenylether
Concen: 42.498 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:204 Resp: 31256

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	40.0
141	54.1	40.4	60.6

Instrument :
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ClientSampleId :
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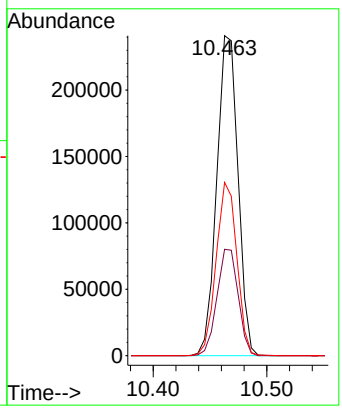
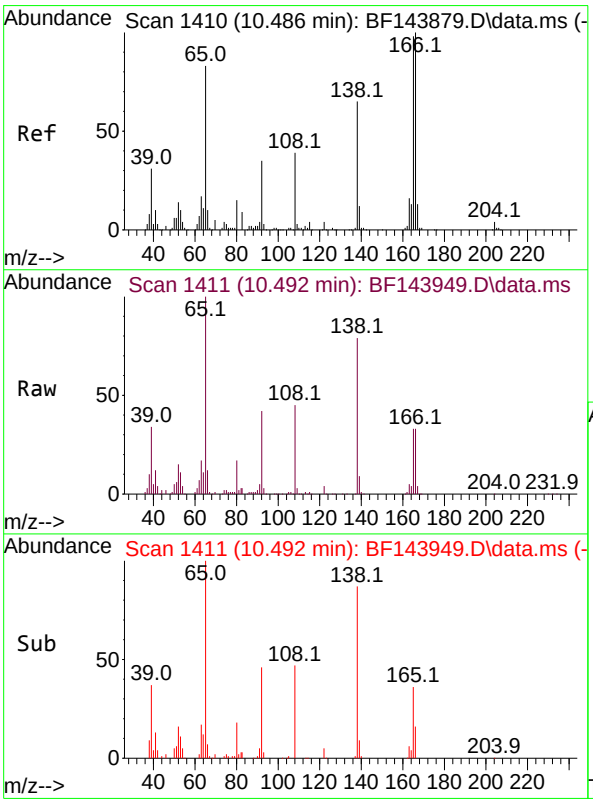
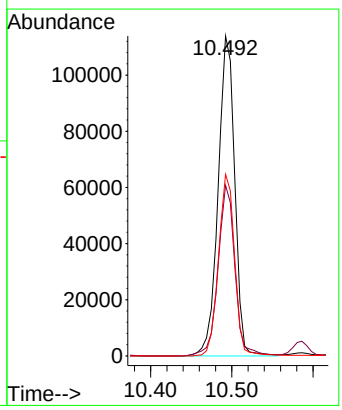


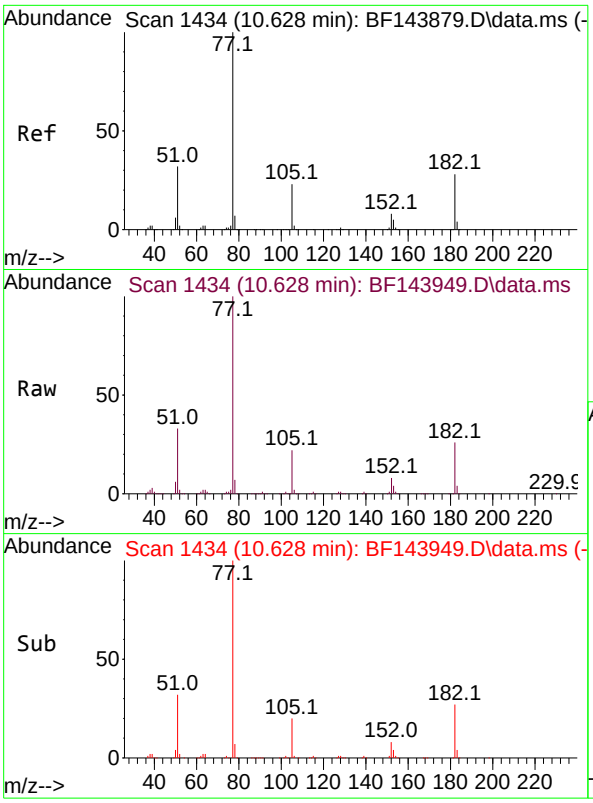


#62
4-Nitroaniline
Concen: 45.388 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.017 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:138 Resp: 161624

Ion	Ratio	Lower	Upper
138	100		
92	53.3	33.9	73.9
108	56.7	40.2	80.2

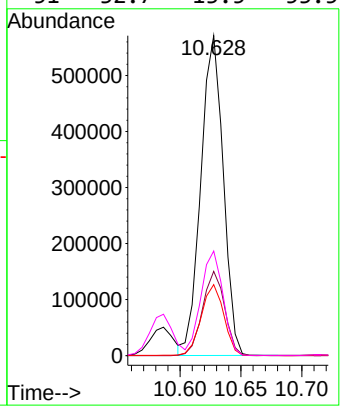




#63
Azobenzene
Concen: 46.187 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 77 Resp: 731390

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.2	3.0	43.0
51	32.7	13.5	53.5



Instrument :
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ClientSampleId :
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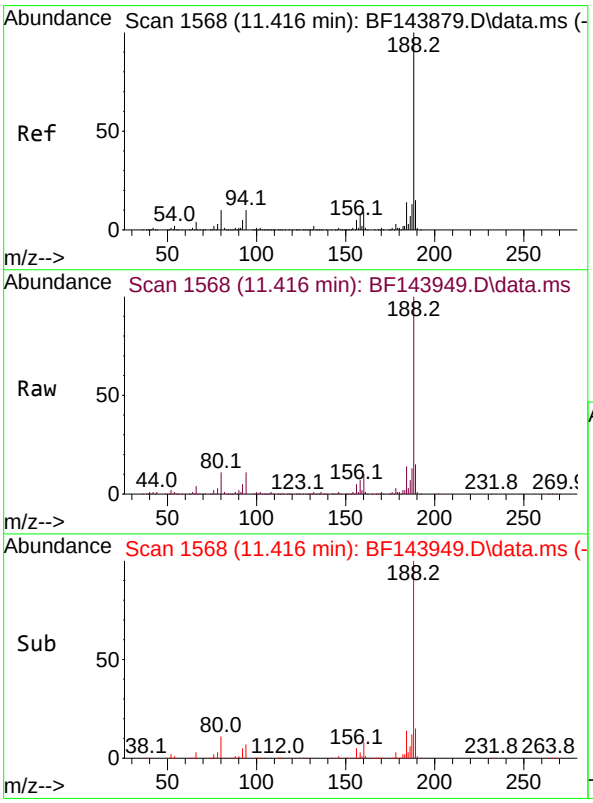
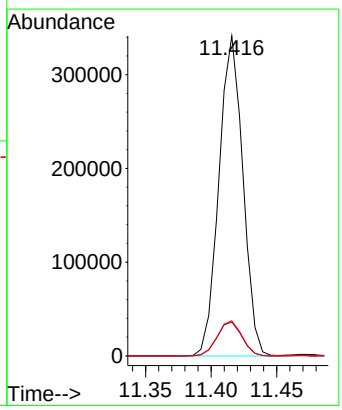
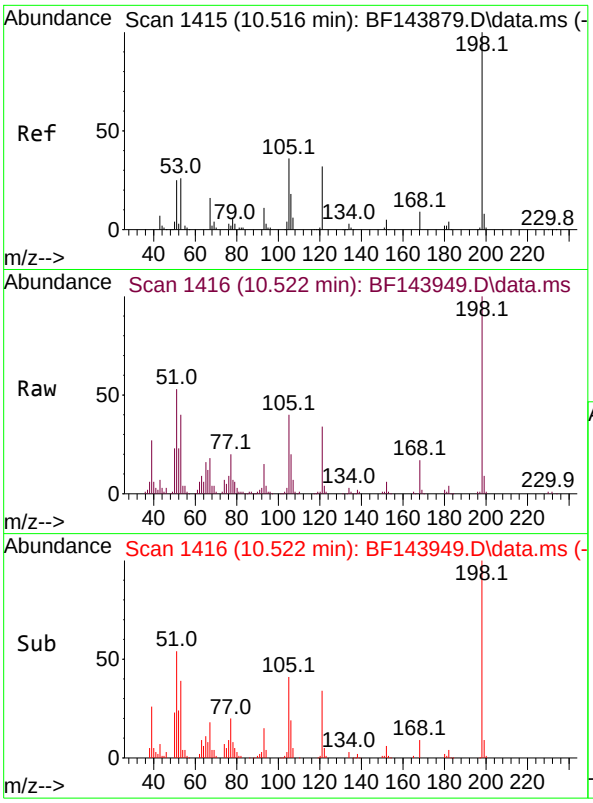


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:188 Resp: 433771

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.0	7.9	11.9

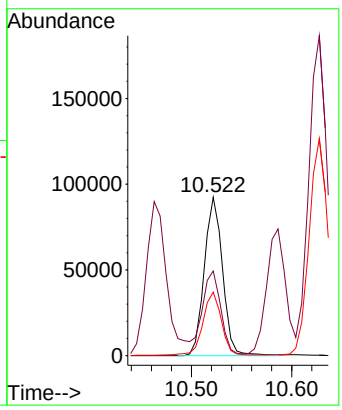




#65
4,6-Dinitro-2-methylphenol
Concen: 53.501 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:198 Resp: 11662

Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.8	73.8
105	40.1	17.0	57.0



Instrument :
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ClientSampleId :
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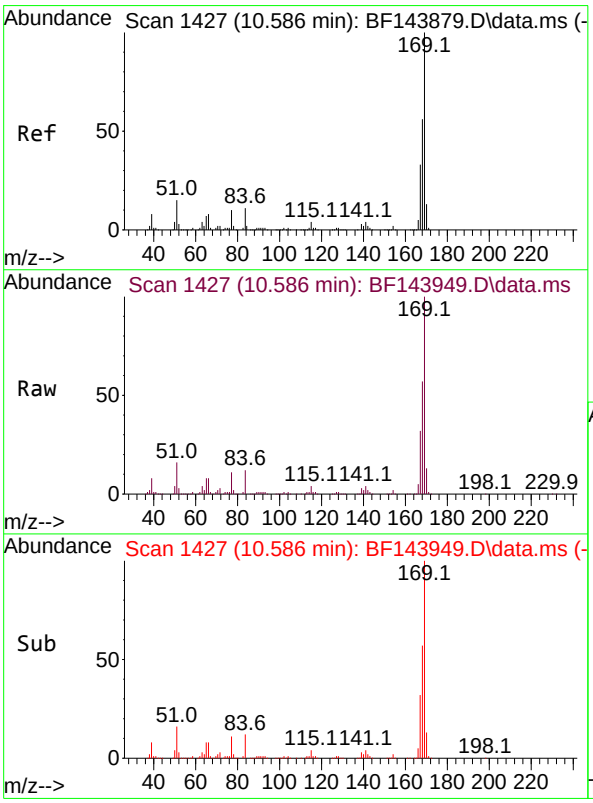
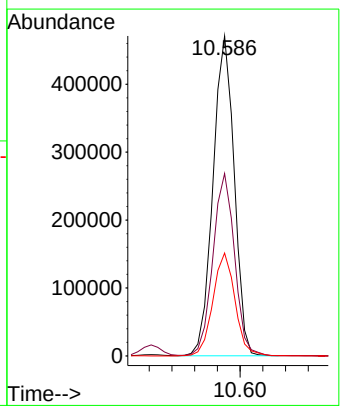
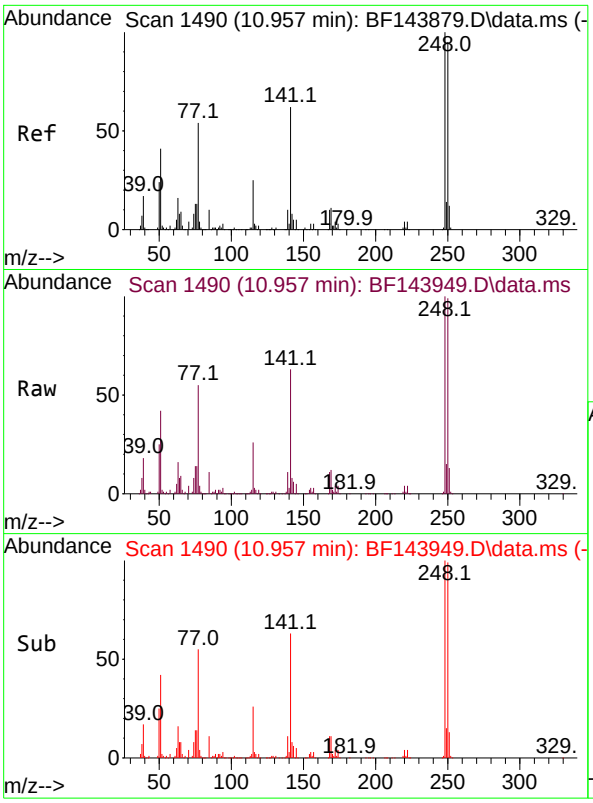


#66
n-Nitrosodiphenylamine
Concen: 44.786 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:169 Resp: 609980

Ion	Ratio	Lower	Upper
169	100		
168	57.0	44.9	67.3
167	32.1	26.3	39.5

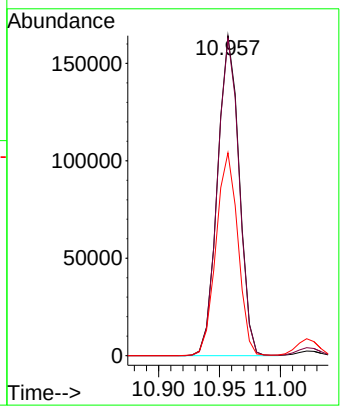




#67
4-Bromophenyl-phenylether
Concen: 42.559 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:248 Resp: 20402

Ion	Ratio	Lower	Upper
248	100		
250	99.1	76.3	114.5
141	63.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
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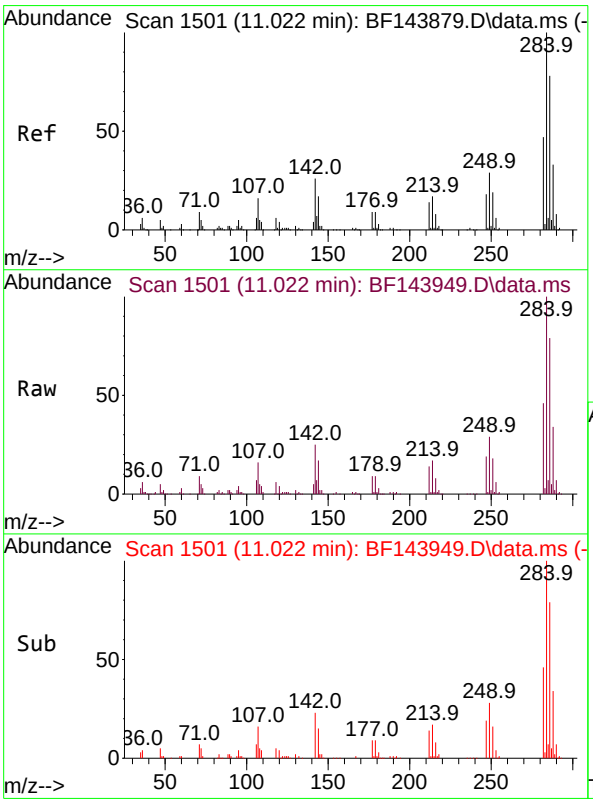
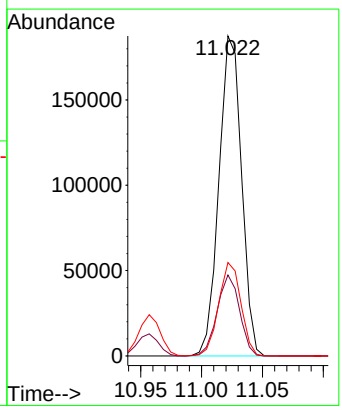
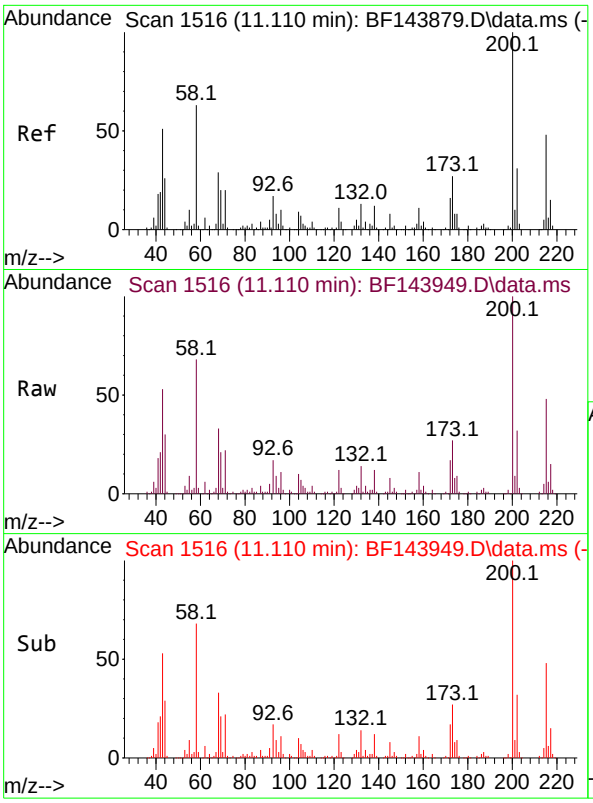


#68
Hexachlorobenzene
Concen: 43.720 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:284 Resp: 242638

Ion	Ratio	Lower	Upper
284	100		
142	25.3	20.6	30.8
249	29.2	23.2	34.8

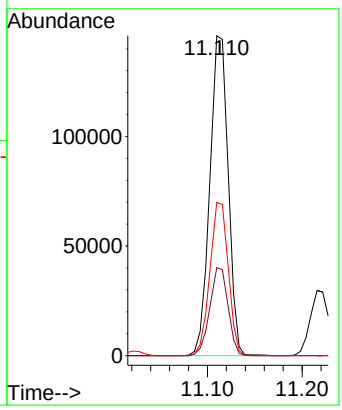




#69
Atrazine
Concen: 47.715 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:200 Resp: 19697

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	47.9	27.8	67.8



Instrument :
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ClientSampleId :
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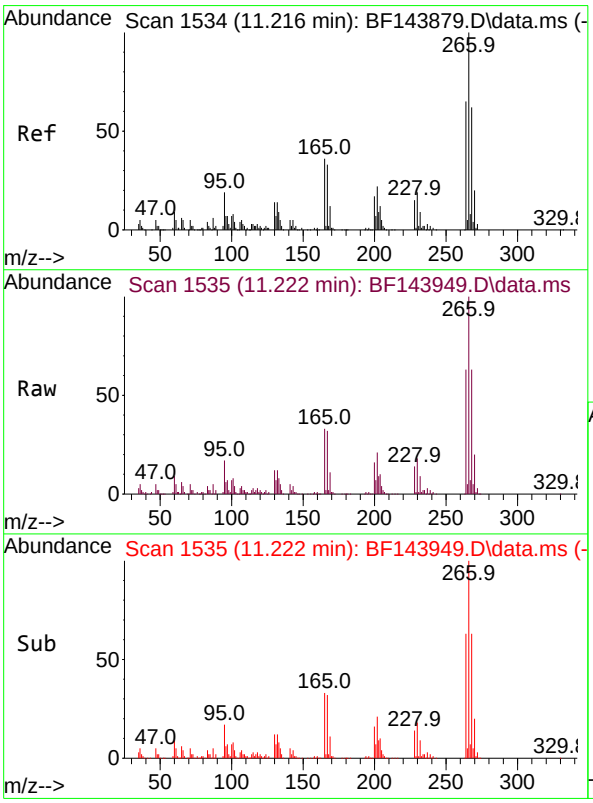
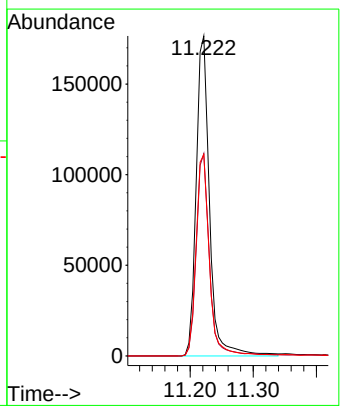
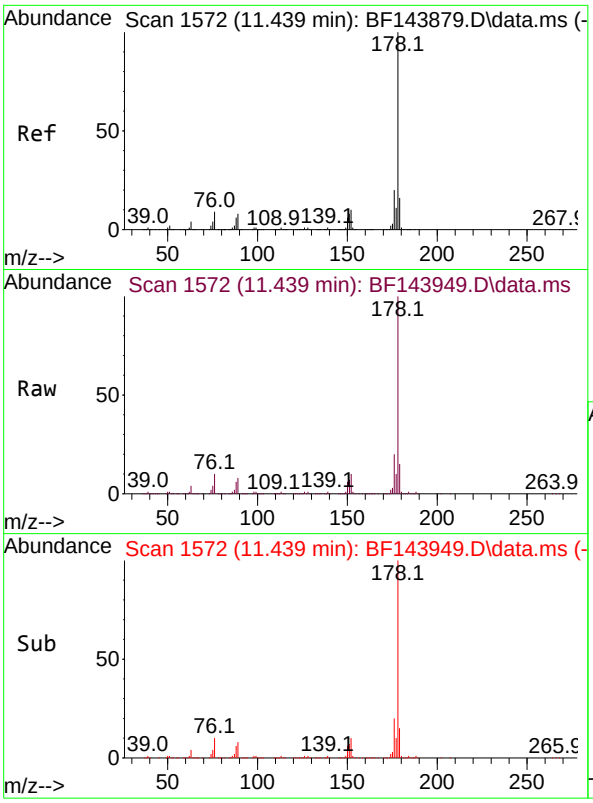


#70
Pentachlorophenol
Concen: 81.419 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:266 Resp: 259520

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.4	74.0
264	62.9	51.8	77.6

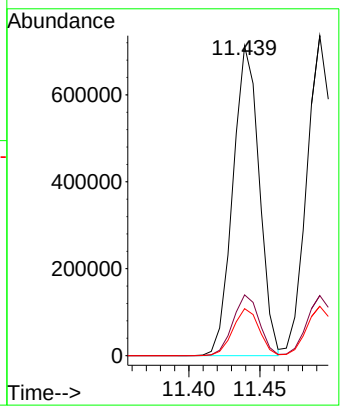




#71
Phenanthrene
Concen: 43.618 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:178 Resp: 91726

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.2	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
PB170055BS

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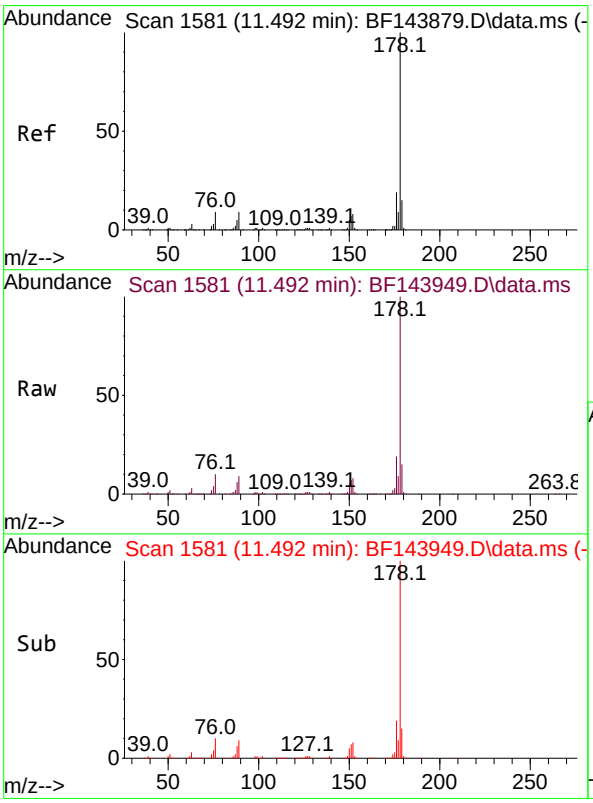
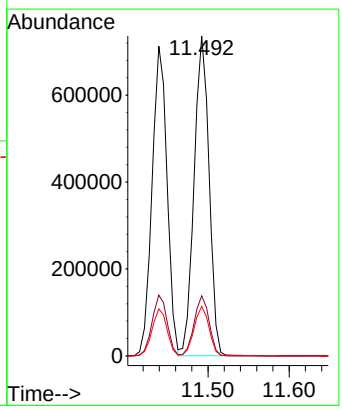
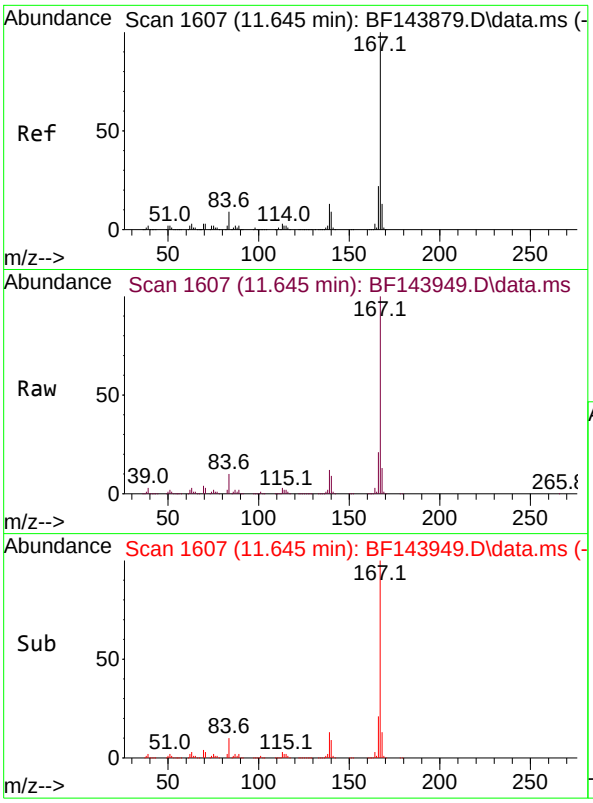


#72
Anthracene
Concen: 44.298 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:178 Resp: 941105

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.4	12.2	18.2

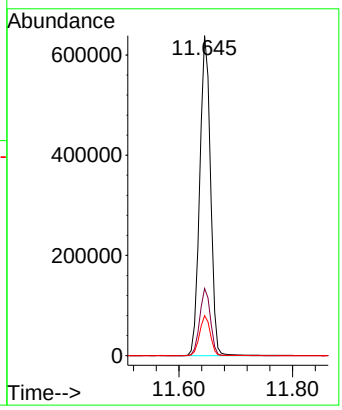




#73
Carbazole
Concen: 44.402 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:167 Resp: 83545

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.5	10.1	15.1



Instrument :
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ClientSampleId :
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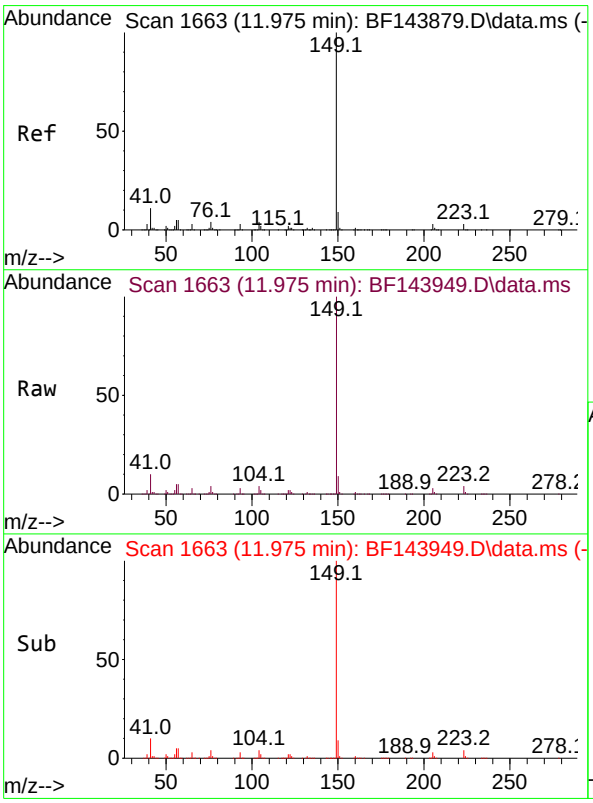
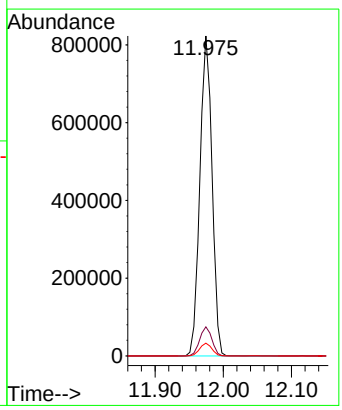
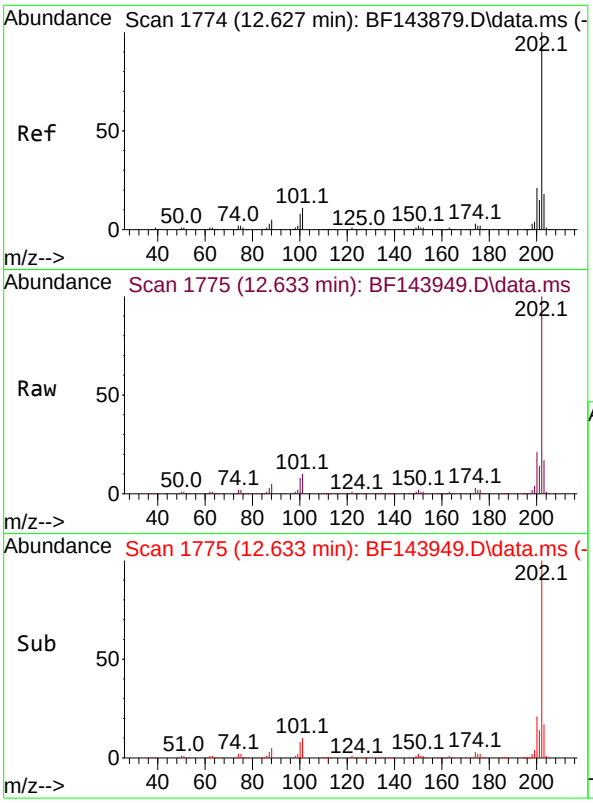


#74
Di-n-butylphthalate
Concen: 46.851 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:149 Resp: 1021669

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.0	3.4	5.2

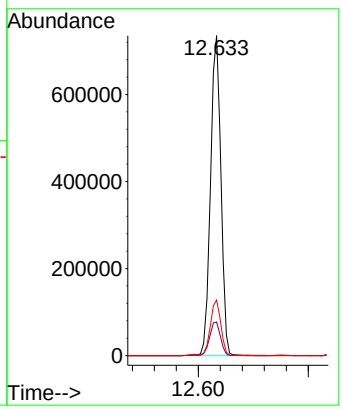




#75
Fluoranthene
Concen: 44.399 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:202 Resp: 96443

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	17.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
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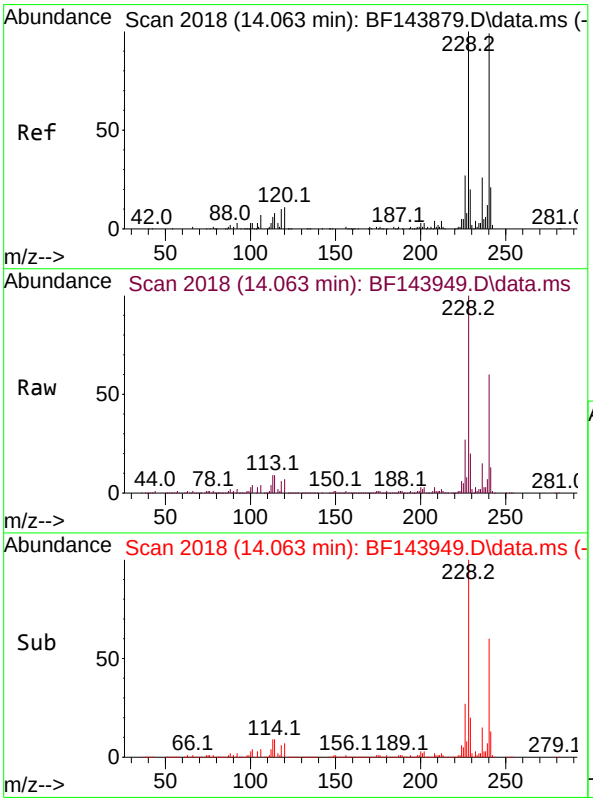
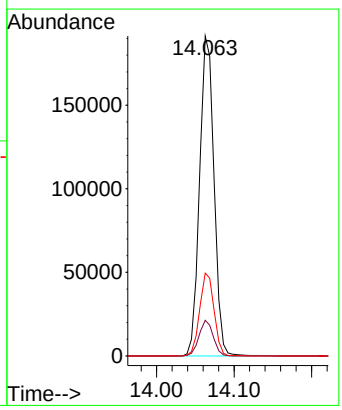
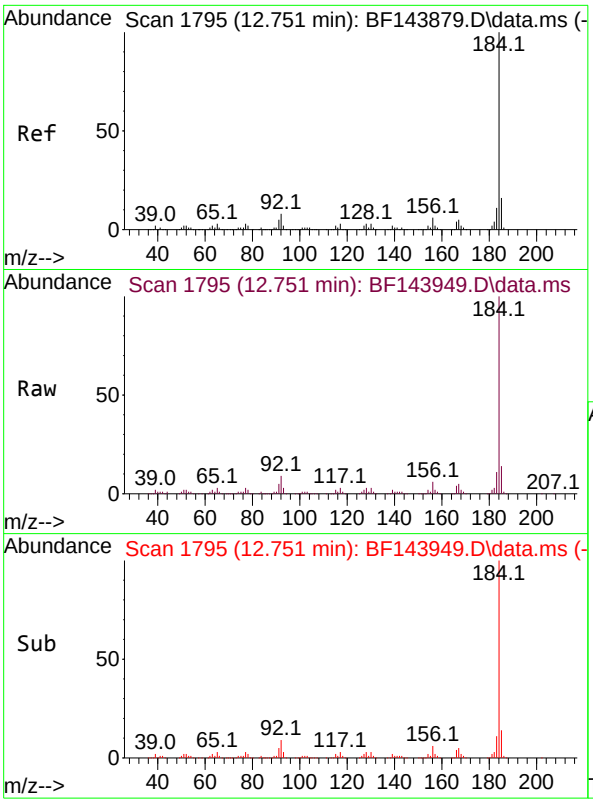


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:240 Resp: 247361

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	25.9	21.1	31.7

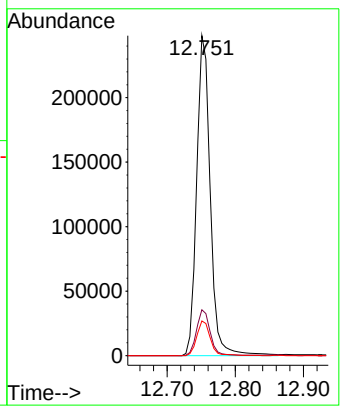




#77
Benzidine
Concen: 40.064 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:184 Resp: 344111

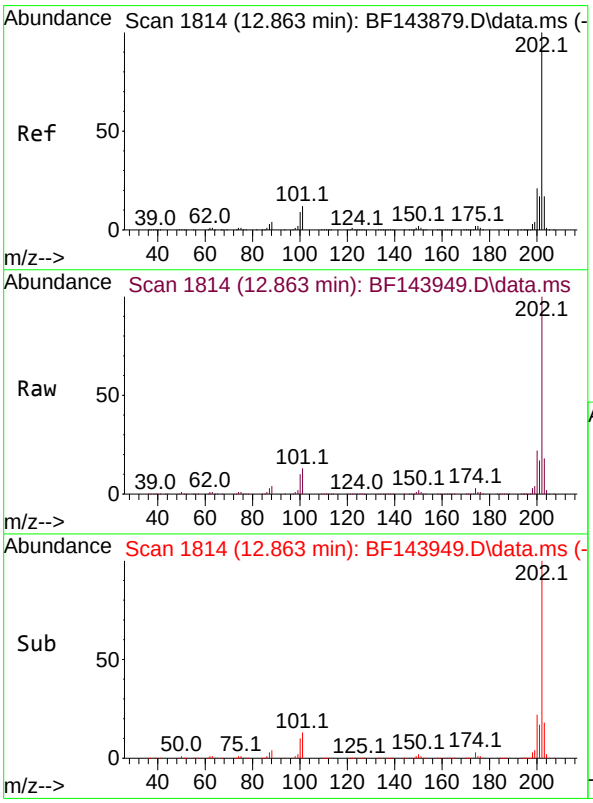
Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.6	18.8
183	10.8	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations APPROVED

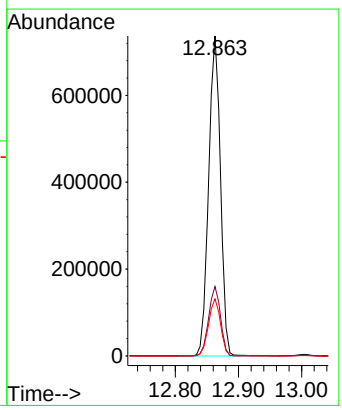
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

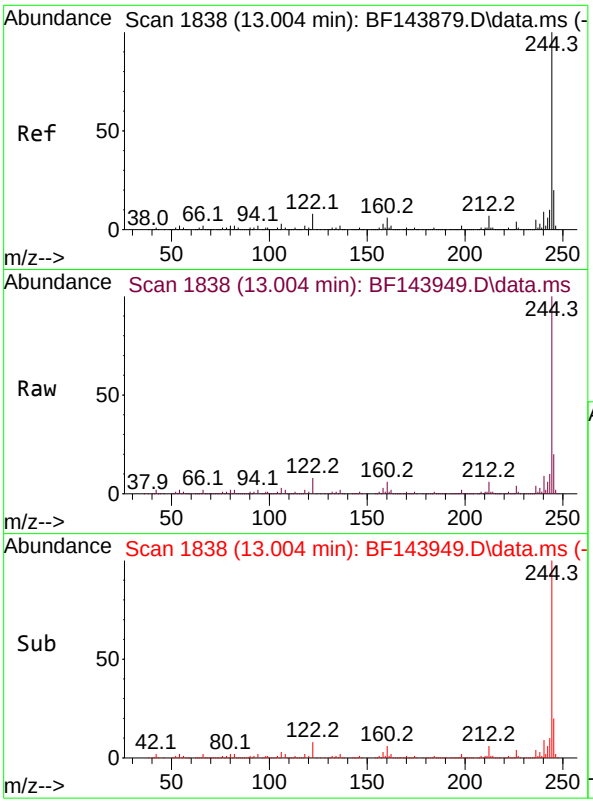


#78
Pyrene
Concen: 46.431 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:202 Resp: 957514

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	17.8	13.8	20.6

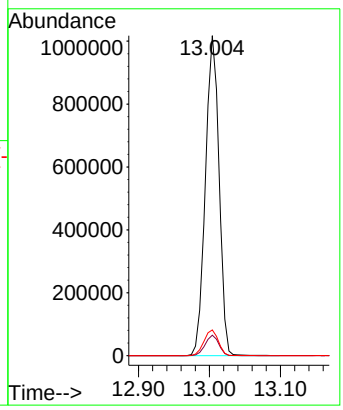




#79
Terphenyl-d14
Concen: 93.406 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:244 Resp: 135190

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations
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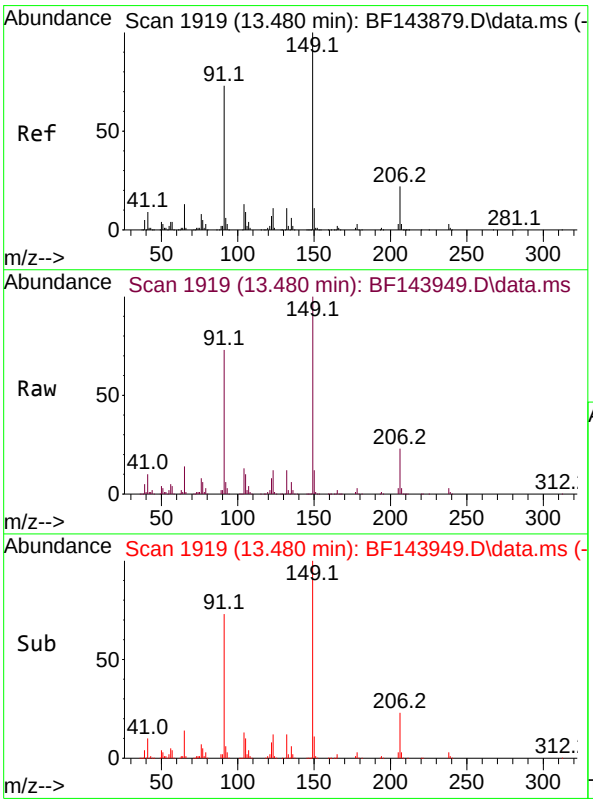
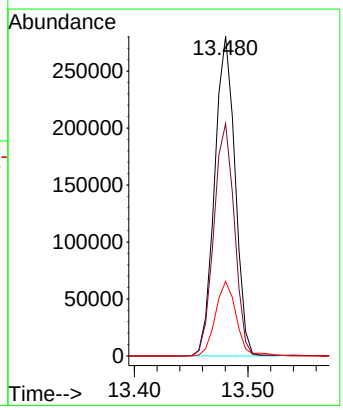
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

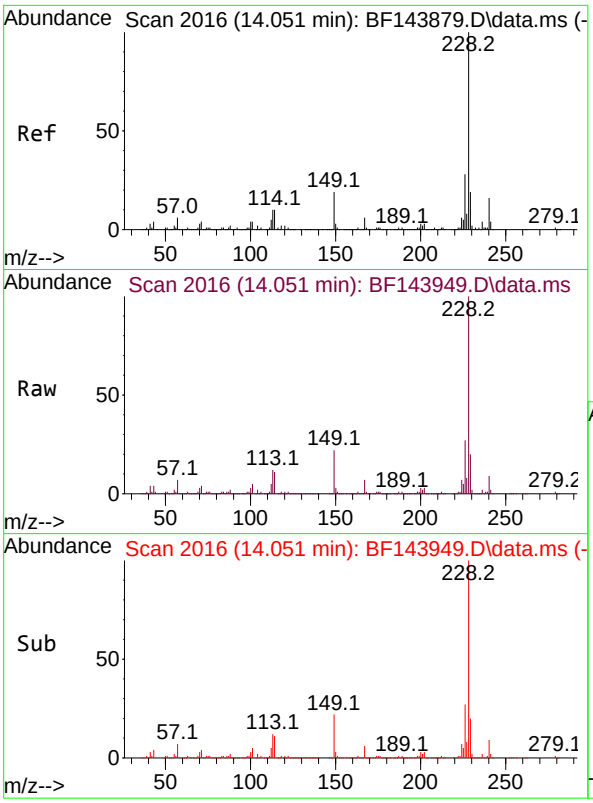


#80
Butylbenzylphthalate
Concen: 52.386 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:149 Resp: 350848

Ion	Ratio	Lower	Upper
149	100		
91	72.6	58.2	87.2
206	23.3	17.9	26.9

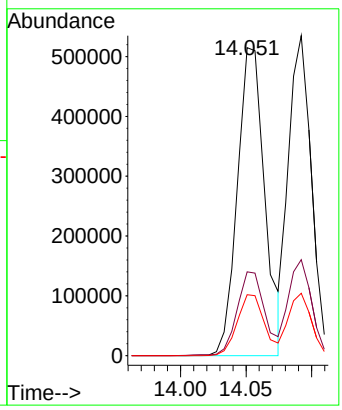




#81
Benzo(a)anthracene
Concen: 46.200 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:228 Resp: 74786

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	19.8	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB170055BS

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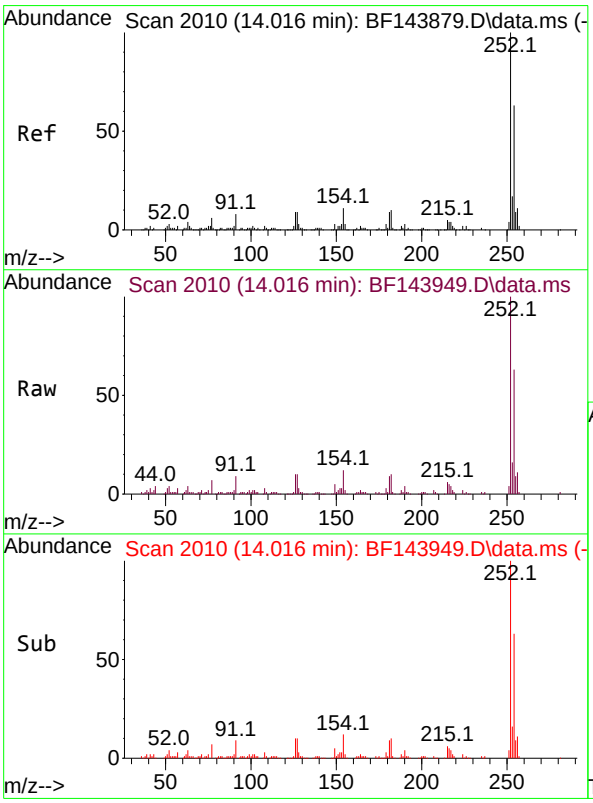
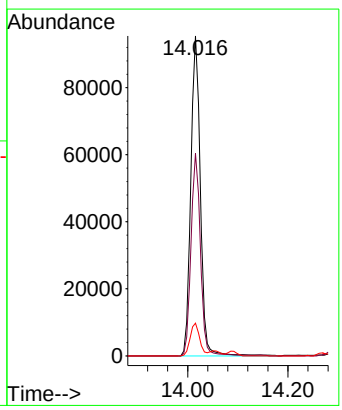
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

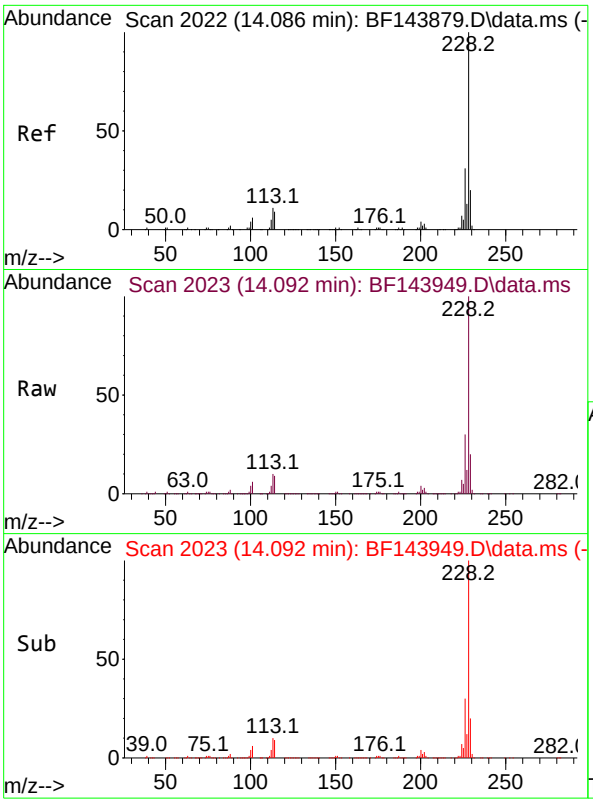


#82
3,3'-Dichlorobenzidine
Concen: 25.558 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:252 Resp: 126081

Ion	Ratio	Lower	Upper
252	100		
254	63.3	50.6	76.0
126	10.2	7.0	10.6

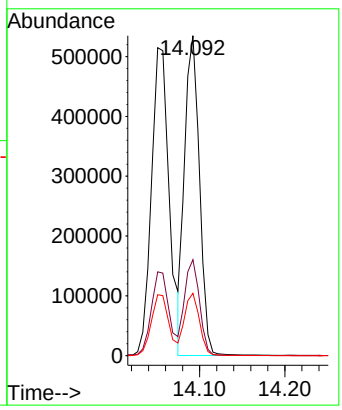




#83
Chrysene
Concen: 43.417 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:228 Resp: 650468

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.4	36.6
229	19.5	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
PB170055BS

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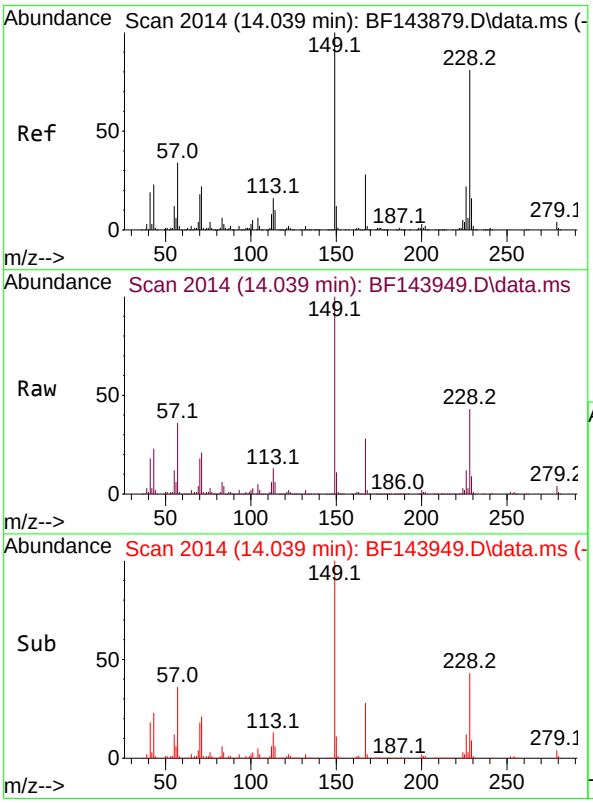
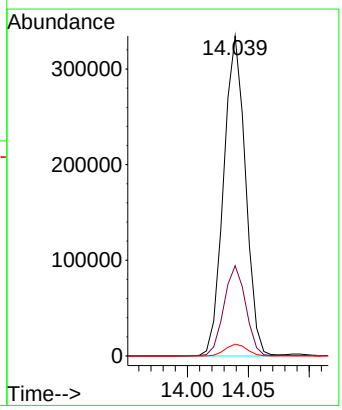
Supervised By :mohammad ahmed 10/17/2025

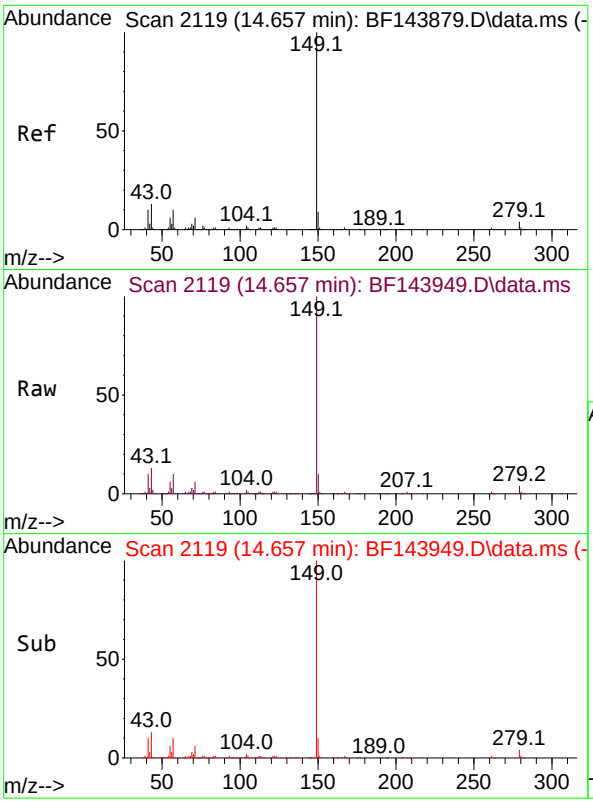


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.764 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:149 Resp: 417913

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.4
279	3.7	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 46.343 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:149 Resp: 614508

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	13.3	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
PB170055BS

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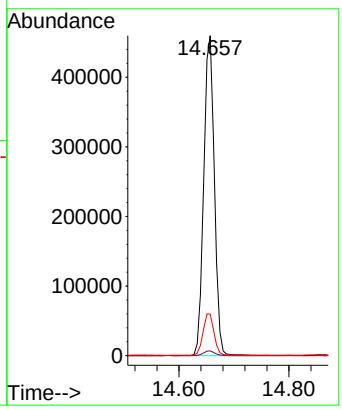
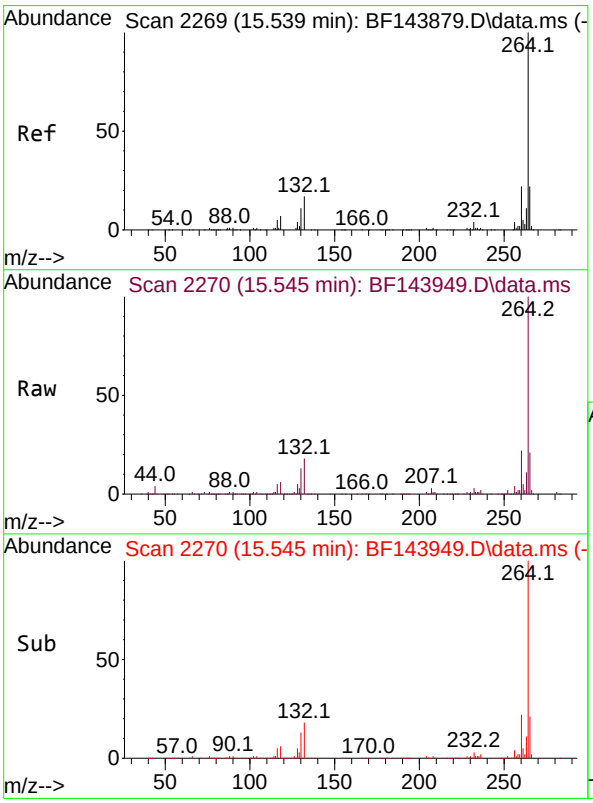
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

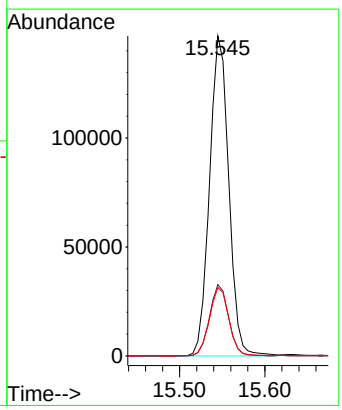


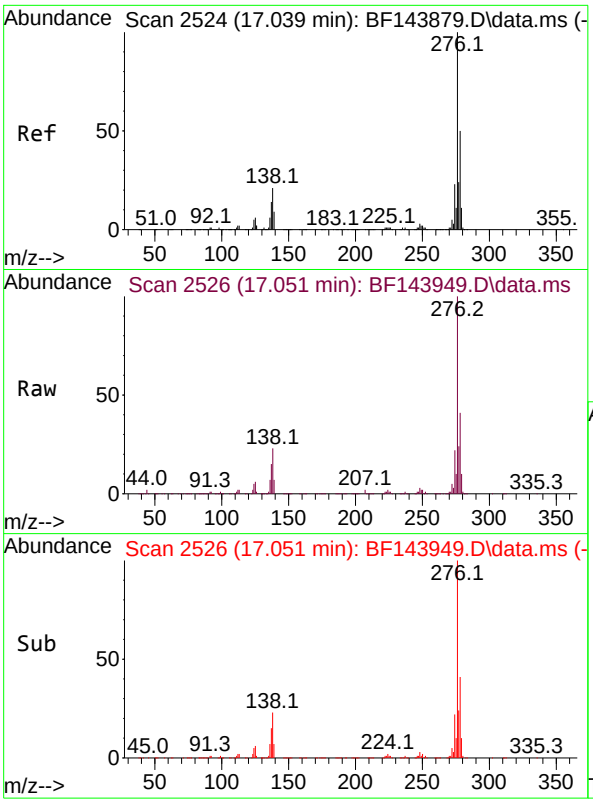


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:264 Resp: 229733

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.8	26.8
265	21.4	17.5	26.3

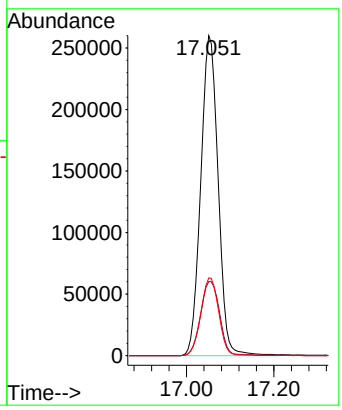




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.773 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:276 Resp: 71472

Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.2	27.2
277	25.1	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
PB170055BS

Manual Integrations
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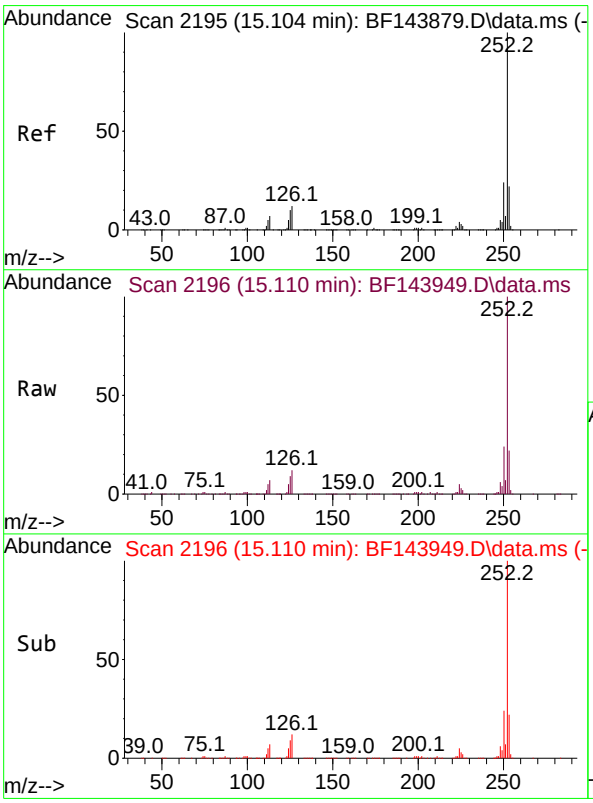
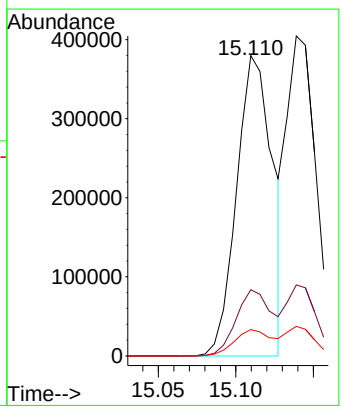
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

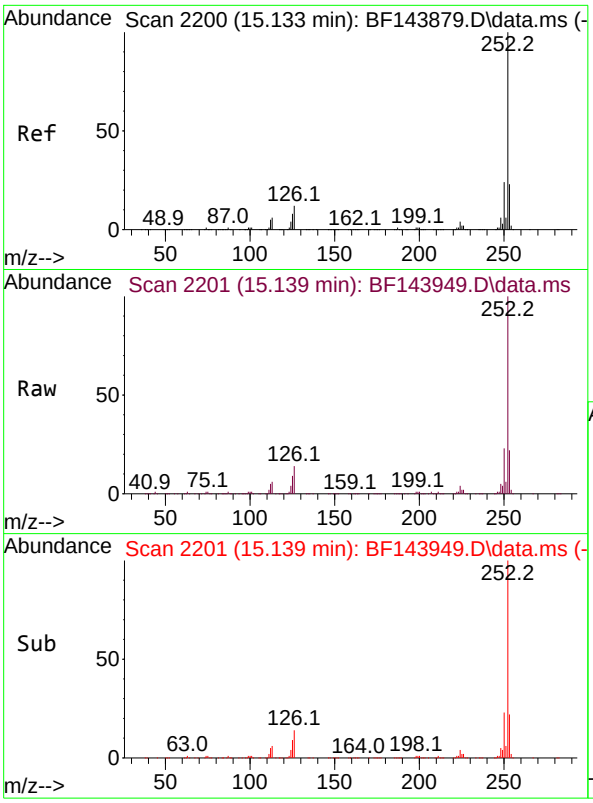


#88
Benzo(b)fluoranthene
Concen: 46.591 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:252 Resp: 614839

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	8.8	7.8	11.6

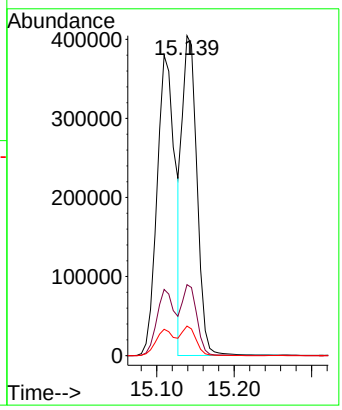




#89
Benzo(k)fluoranthene
Concen: 43.967 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:252 Resp: 53688

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.2	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
PB170055BS

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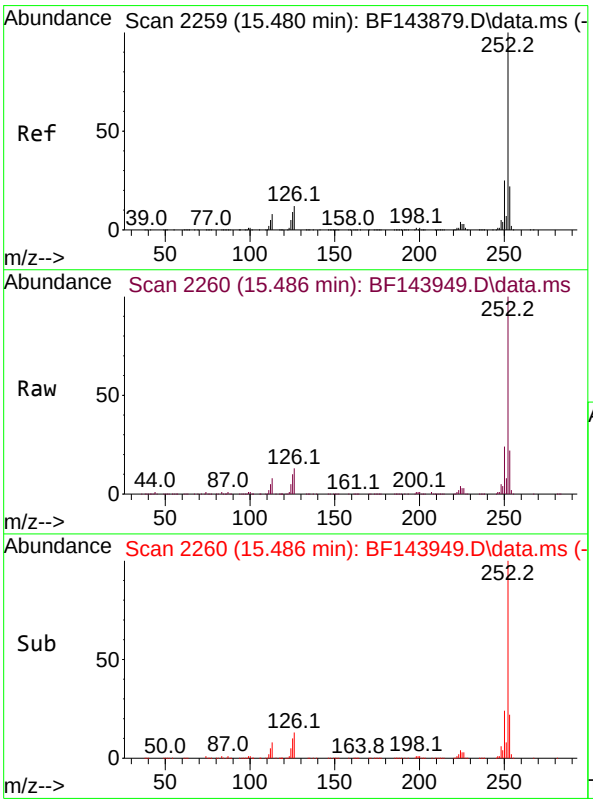
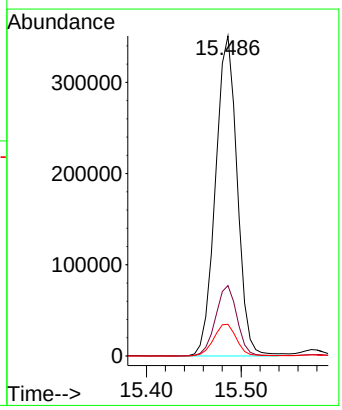
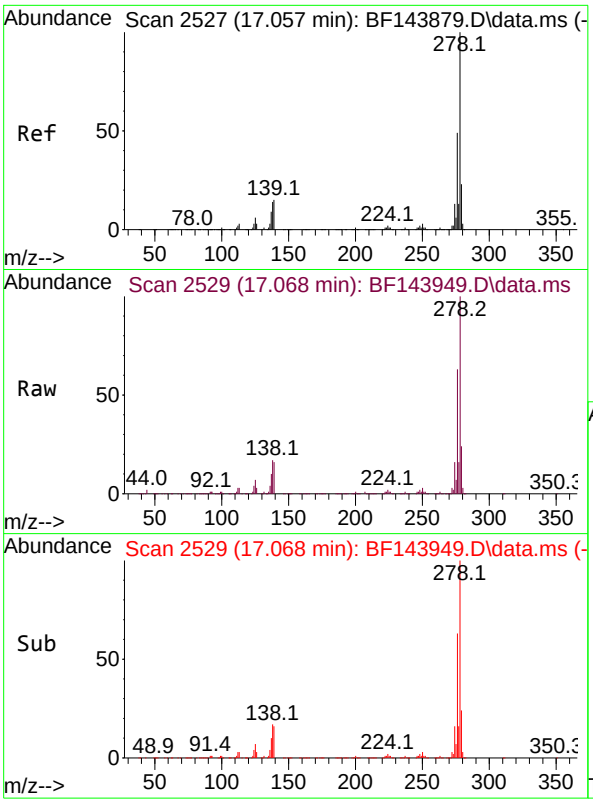


#90
Benzo(a)pyrene
Concen: 48.729 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:252 Resp: 557596

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	9.9	7.0	10.4

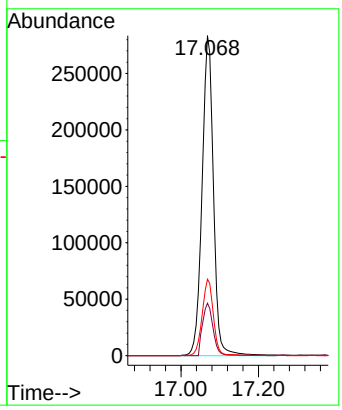




#91
Dibenzo(a,h)anthracene
Concen: 51.086 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:278 Resp: 57836

Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.7	17.5
279	23.9	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
PB170055BS

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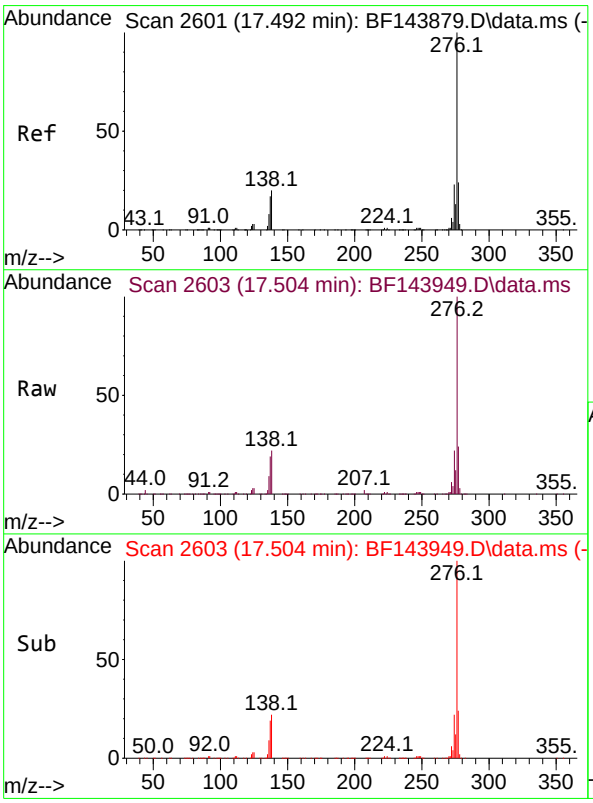
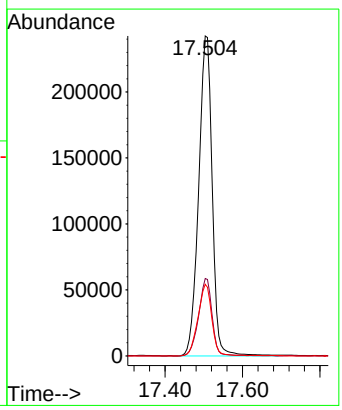


#92
Benzo(g,h,i)perylene
Concen: 51.912 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:276 Resp: 587725

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.6
138	22.4	16.1	24.1



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	240	500	ug/Kg	10/10/25 16:49	PB170055
108-95-2	Phenol	2500		1	33.8	260	ug/Kg	10/10/25 16:49	PB170055
111-44-4	bis(2-Chloroethyl)ether	2400		1	37.1	260	ug/Kg	10/10/25 16:49	PB170055
95-57-8	2-Chlorophenol	2400		1	37.3	260	ug/Kg	10/10/25 16:49	PB170055
95-48-7	2-Methylphenol	2400		1	45.7	260	ug/Kg	10/10/25 16:49	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	57.3	260	ug/Kg	10/10/25 16:49	PB170055
98-86-2	Acetophenone	2600		1	45.1	260	ug/Kg	10/10/25 16:49	PB170055
65794-96-9	3+4-Methylphenols	2300		1	62.8	500	ug/Kg	10/10/25 16:49	PB170055
621-64-7	n-Nitroso-di-n-propylamine	2300		1	72.4	120	ug/Kg	10/10/25 16:49	PB170055
67-72-1	Hexachloroethane	2300		1	26.9	260	ug/Kg	10/10/25 16:49	PB170055
98-95-3	Nitrobenzene	2600		1	28.0	260	ug/Kg	10/10/25 16:49	PB170055
78-59-1	Isophorone	2400		1	50.1	260	ug/Kg	10/10/25 16:49	PB170055
88-75-5	2-Nitrophenol	2700		1	88.9	260	ug/Kg	10/10/25 16:49	PB170055
105-67-9	2,4-Dimethylphenol	2700		1	99.0	260	ug/Kg	10/10/25 16:49	PB170055
111-91-1	bis(2-Chloroethoxy)methane	2500		1	47.1	260	ug/Kg	10/10/25 16:49	PB170055
120-83-2	2,4-Dichlorophenol	2400		1	43.3	260	ug/Kg	10/10/25 16:49	PB170055
91-20-3	Naphthalene	2500		1	34.7	260	ug/Kg	10/10/25 16:49	PB170055
106-47-8	4-Chloroaniline	870		1	54.1	260	ug/Kg	10/10/25 16:49	PB170055
87-68-3	Hexachlorobutadiene	2300		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
105-60-2	Caprolactam	2500		1	79.6	500	ug/Kg	10/10/25 16:49	PB170055
59-50-7	4-Chloro-3-methylphenol	2300		1	43.9	260	ug/Kg	10/10/25 16:49	PB170055
91-57-6	2-Methylnaphthalene	2200		1	39.1	260	ug/Kg	10/10/25 16:49	PB170055
77-47-4	Hexachlorocyclopentadiene	2700		1	180	500	ug/Kg	10/10/25 16:49	PB170055
88-06-2	2,4,6-Trichlorophenol	2500		1	30.3	260	ug/Kg	10/10/25 16:49	PB170055
95-95-4	2,4,5-Trichlorophenol	2400		1	44.5	260	ug/Kg	10/10/25 16:49	PB170055
92-52-4	1,1-Biphenyl	2800		1	33.3	260	ug/Kg	10/10/25 16:49	PB170055
91-58-7	2-Chloronaphthalene	2500		1	34.4	260	ug/Kg	10/10/25 16:49	PB170055
88-74-4	2-Nitroaniline	2800		1	73.5	260	ug/Kg	10/10/25 16:49	PB170055
131-11-3	Dimethylphthalate	2600		1	41.4	260	ug/Kg	10/10/25 16:49	PB170055
208-96-8	Acenaphthylene	2800		1	44.2	260	ug/Kg	10/10/25 16:49	PB170055
606-20-2	2,6-Dinitrotoluene	2900		1	51.4	260	ug/Kg	10/10/25 16:49	PB170055
99-09-2	3-Nitroaniline	1800		1	70.3	260	ug/Kg	10/10/25 16:49	PB170055
83-32-9	Acenaphthene	2400		1	32.6	260	ug/Kg	10/10/25 16:49	PB170055
51-28-5	2,4-Dinitrophenol	1100		1	350	500	ug/Kg	10/10/25 16:49	PB170055
100-02-7	4-Nitrophenol	4500	E	1	160	500	ug/Kg	10/10/25 16:49	PB170055
132-64-9	Dibenzofuran	2500		1	34.7	260	ug/Kg	10/10/25 16:49	PB170055
121-14-2	2,4-Dinitrotoluene	2700		1	76.6	260	ug/Kg	10/10/25 16:49	PB170055
84-66-2	Diethylphthalate	2500		1	43.3	260	ug/Kg	10/10/25 16:49	PB170055
7005-72-3	4-Chlorophenyl-phenylether	2300		1	40.8	260	ug/Kg	10/10/25 16:49	PB170055
86-73-7	Fluorene	2400		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
100-01-6	4-Nitroaniline	2100		1	98.1	260	ug/Kg	10/10/25 16:49	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	700		1	160	500	ug/Kg	10/10/25 16:49	PB170055

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2700		1	50.3	260	ug/Kg	10/10/25 16:49	PB170055
101-55-3	4-Bromophenyl-phenylether	2600		1	42.5	260	ug/Kg	10/10/25 16:49	PB170055
118-74-1	Hexachlorobenzene	2400		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
1912-24-9	Atrazine	2700		1	52.0	260	ug/Kg	10/10/25 16:49	PB170055
87-86-5	Pentachlorophenol	4900	E	1	78.4	500	ug/Kg	10/10/25 16:49	PB170055
85-01-8	Phenanthrene	3800		1	31.9	260	ug/Kg	10/10/25 16:49	PB170055
120-12-7	Anthracene	2800		1	50.9	260	ug/Kg	10/10/25 16:49	PB170055
86-74-8	Carbazole	2800		1	47.7	260	ug/Kg	10/10/25 16:49	PB170055
84-74-2	Di-n-butylphthalate	2700		1	73.2	260	ug/Kg	10/10/25 16:49	PB170055
206-44-0	Fluoranthene	4400	E	1	45.9	260	ug/Kg	10/10/25 16:49	PB170055
129-00-0	Pyrene	3100		1	55.0	260	ug/Kg	10/10/25 16:49	PB170055
85-68-7	Butylbenzylphthalate	2700		1	110	260	ug/Kg	10/10/25 16:49	PB170055
91-94-1	3,3-Dichlorobenzidine	2400		1	56.1	500	ug/Kg	10/10/25 16:49	PB170055
56-55-3	Benzo(a)anthracene	3500		1	35.2	260	ug/Kg	10/10/25 16:49	PB170055
218-01-9	Chrysene	3300		1	30.4	260	ug/Kg	10/10/25 16:49	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	3000		1	90.5	260	ug/Kg	10/10/25 16:49	PB170055
117-84-0	Di-n-octyl phthalate	3300		1	130	500	ug/Kg	10/10/25 16:49	PB170055
205-99-2	Benzo(b)fluoranthene	4000		1	29.0	260	ug/Kg	10/10/25 16:49	PB170055
207-08-9	Benzo(k)fluoranthene	2800		1	34.2	260	ug/Kg	10/10/25 16:49	PB170055
50-32-8	Benzo(a)pyrene	3400		1	45.1	260	ug/Kg	10/10/25 16:49	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	44.5	260	ug/Kg	10/10/25 16:49	PB170055
53-70-3	Dibenzo(a,h)anthracene	2000		1	41.9	260	ug/Kg	10/10/25 16:49	PB170055
191-24-2	Benzo(g,h,i)perylene	2200		1	39.3	260	ug/Kg	10/10/25 16:49	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	39.1	260	ug/Kg	10/10/25 16:49	PB170055
123-91-1	1,4-Dioxane	2200		1	69.1	260	ug/Kg	10/10/25 16:49	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	2400		1	41.9	260	ug/Kg	10/10/25 16:49	PB170055
SURROGATES									
367-12-4	2-Fluorophenol	84.5			18 - 112	56%	SPK: 150		
13127-88-3	Phenol-d6	84.2			15 - 107	56%	SPK: 150		
4165-60-0	Nitrobenzene-d5	59.4			18 - 107	59%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.0			20 - 109	50%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	71.0			10 - 116	47%	SPK: 150		
1718-51-0	Terphenyl-d14	37.8			10 - 105	38%	SPK: 100		
INTERNAL STANDARDS		**Area**							
3855-82-1	1,4-Dichlorobenzene-d4	113000							
1146-65-2	Naphthalene-d8	421000							
15067-26-2	Acenaphthene-d10	206000							
1517-22-2	Phenanthrene-d10	309000							
1719-03-5	Chrysene-d12	255000							
1520-96-3	Perylene-d12	244000							

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/07/25
Project:	RFP 918			Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS			SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	65.3
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143928.D
Acq On : 10 Oct 2025 16:49
Operator : RC/JU
Sample : Q3310-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 10 17:17:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	113164	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	420905	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	206322	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	308746	20.000	ng		0.00
76) Chrysene-d12	14.068	240	255306	20.000	ng		0.00
86) Perylene-d12	15.545	264	243905	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	602384	84.530	ng		0.00
7) Phenol-d6	6.510	99	715021	84.178	ng		0.00
23) Nitrobenzene-d5	7.445	82	411811	59.442	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	145989	71.041	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	650734	50.045	ng		-0.01
79) Terphenyl-d14	12.998	244	564040	37.758	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	144972	43.962	ng		97
3) Pyridine	3.451	79	418110	43.553	ng		98
4) n-Nitrosodimethylamine	3.398	42	245380	48.589	ng		92
6) Aniline	6.545	93	373392	29.335	ng		98
8) 2-Chlorophenol	6.669	128	325604	46.743	ng		98
9) Benzaldehyde	6.434	77	201314	30.723	ng		99
10) Phenol	6.522	94	498510	49.090	ng		98
11) bis(2-Chloroethyl)ether	6.616	93	369226	47.068	ng		98
12) 1,3-Dichlorobenzene	6.822	146	388197	46.556	ng		98
13) 1,4-Dichlorobenzene	6.904	146	394175	47.924	ng		98
14) 1,2-Dichlorobenzene	7.051	146	374087	47.483	ng		100
15) Benzyl Alcohol	7.022	79	320503	50.359	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	852689	47.754	ng		100
17) 2-Methylphenol	7.134	107	275272	47.816	ng		99
18) Hexachloroethane	7.398	117	123345	44.967	ng		96
19) n-Nitroso-di-n-propyla...	7.292	70	259881	44.697	ng		98
20) 3+4-Methylphenols	7.286	107	304691	45.666	ng	#	76
22) Acetophenone	7.292	105	460099	51.698	ng		97
24) Nitrobenzene	7.463	77	388139	50.450	ng		99
25) Isophorone	7.704	82	695804	47.632	ng		99
26) 2-Nitrophenol	7.781	139	175412	53.180	ng		98
27) 2,4-Dimethylphenol	7.816	122	316376	53.320	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	444801	48.203	ng		99
29) 2,4-Dichlorophenol	8.022	162	292171	47.273	ng		98
30) 1,2,4-Trichlorobenzene	8.104	180	300734	49.476	ng		99
31) Naphthalene	8.186	128	938705	49.027	ng		100
32) Benzoic acid	7.928	122	207190	50.455	ng		96
33) 4-Chloroaniline	8.233	127	122883	17.112	ng		99
34) Hexachlorobutadiene	8.304	225	192115	45.483	ng		96
35) Caprolactam	8.604	113	95233	48.461	ng		99
36) 4-Chloro-3-methylphenol	8.716	107	270474	45.559	ng		99
37) 2-Methylnaphthalene	8.880	142	542952	42.571	ng		100
38) 1-Methylnaphthalene	8.980	142	543024	43.895	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	321453	56.371	ng		100
41) Hexachlorocyclopentadiene	9.033	237	125116	52.887	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	205359	49.287	ng		98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143928.D
Acq On : 10 Oct 2025 16:49
Operator : RC/JU
Sample : Q3310-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 10 17:17:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	211202	47.967	ng		98
46) 1,1'-Biphenyl	9.345	154	759271	55.582	ng		100
47) 2-Chloronaphthalene	9.369	162	568718	49.934	ng		97
48) 2-Nitroaniline	9.463	65	198755	55.197	ng		99
49) Acenaphthylene	9.786	152	869861	54.326	ng		100
50) Dimethylphthalate	9.645	163	662822	50.588	ng		100
51) 2,6-Dinitrotoluene	9.704	165	139080	57.245	ng		98
52) Acenaphthene	9.957	154	497931	47.458	ng		99
53) 3-Nitroaniline	9.875	138	107214	36.040	ng		98
54) 2,4-Dinitrophenol	9.980	184	23533	21.281	ng	#	78
55) Dibenzofuran	10.133	168	718551	48.516	ng		99
56) 4-Nitrophenol	10.033	139	199522	88.579	ng		94
57) 2,4-Dinitrotoluene	10.110	165	178154	53.892	ng		99
58) Fluorene	10.475	166	530817	47.498	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	144809m	46.460	ng		
60) Diethylphthalate	10.345	149	600486	49.333	ng		98
61) 4-Chlorophenyl-phenyle...	10.469	204	271508	45.952	ng		98
62) 4-Nitroaniline	10.486	138	117365	41.026	ng		95
63) Azobenzene	10.627	77	654068	51.414	ng		96
65) 4,6-Dinitro-2-methylph...	10.516	198	21237	13.688	ng		96
66) n-Nitrosodiphenylamine	10.586	169	515716	53.198	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	171684	50.316	ng		98
68) Hexachlorobenzene	11.022	284	188054	47.606	ng		98
69) Atrazine	11.110	200	155574	52.947	ng		99
70) Pentachlorophenol	11.222	266	217340	95.798	ng		98
71) Phenanthrene	11.439	178	1128850	75.417	ng		100
72) Anthracene	11.492	178	833372	55.112	ng		100
73) Carbazole	11.645	167	739600	55.225	ng		98
74) Di-n-butylphthalate	11.974	149	835911	53.855	ng		99
75) Fluoranthene	12.633	202	1345400	87.019	ng		99
77) Benzidine	12.751	184	260951	29.437	ng		100
78) Pyrene	12.863	202	1276972	59.995	ng		99
80) Butylbenzylphthalate	13.480	149	368922	53.370	ng		100
81) Benzo(a)anthracene	14.057	228	1142872	68.405	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	238418	46.826	ng		99
83) Chrysene	14.092	228	1011269	65.399	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	491915	59.034	ng		100
85) Di-n-octyl phthalate	14.657	149	894357	65.348	ng		100
87) Indeno(1,2,3-cd)pyrene	17.051	276	653150	43.703	ng		99
88) Benzo(b)fluoranthene	15.115	252	1101256	78.601	ng		98
89) Benzo(k)fluoranthene	15.145	252	718216	55.399	ng		99
90) Benzo(a)pyrene	15.486	252	805657	66.317	ng		98
91) Dibenzo(a,h)anthracene	17.068	278	466499	38.811	ng		99
92) Benzo(g,h,i)perylene	17.503	276	513188	42.695	ng		97

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

Quantitation Report (QT Reviewed)

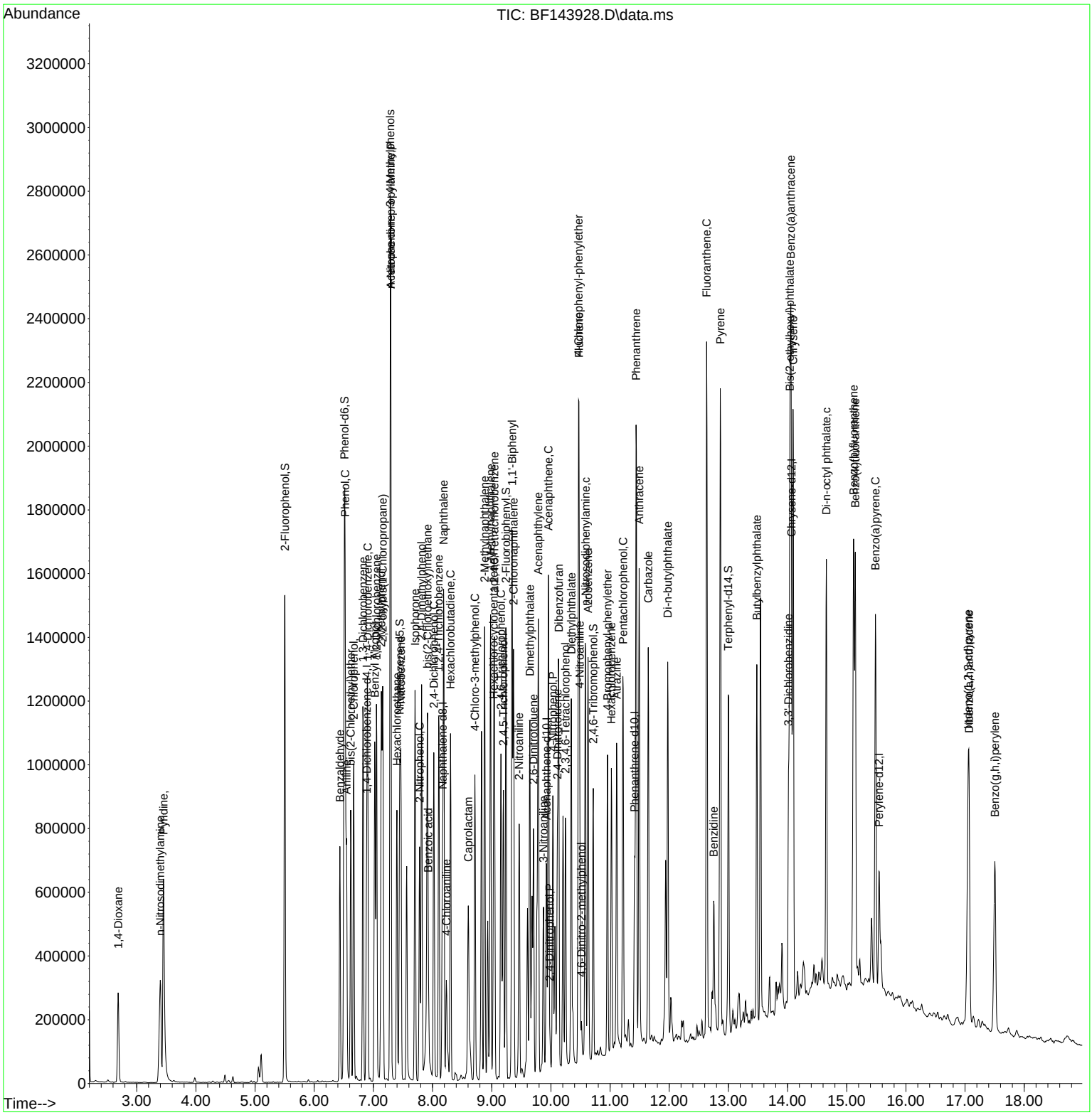
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143928.D
Acq On : 10 Oct 2025 16:49
Operator : RC/JU
Sample : Q3310-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

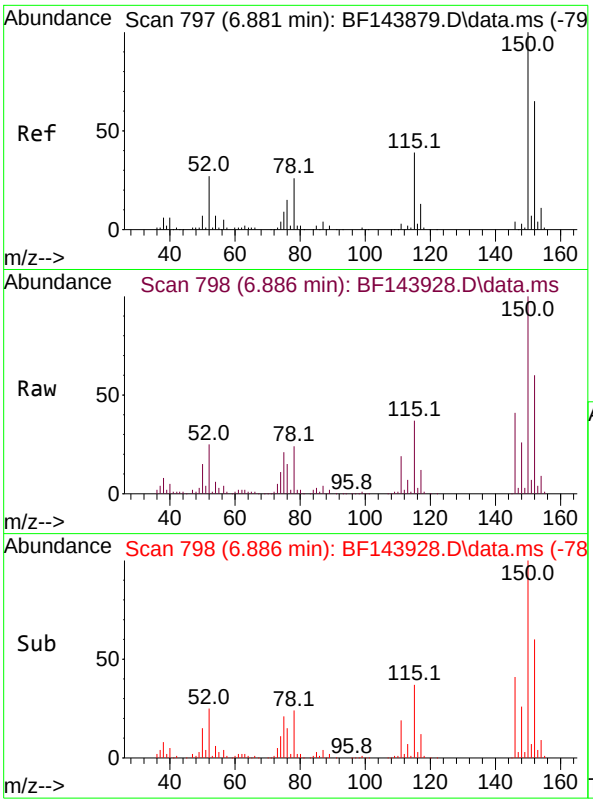
Quant Time: Oct 10 17:17:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

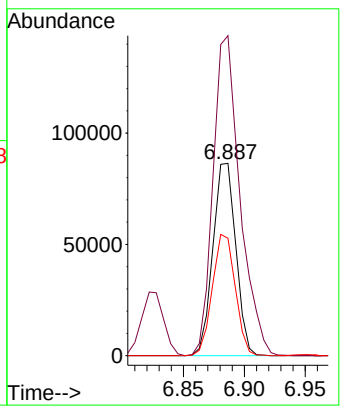




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:152 Resp: 113164

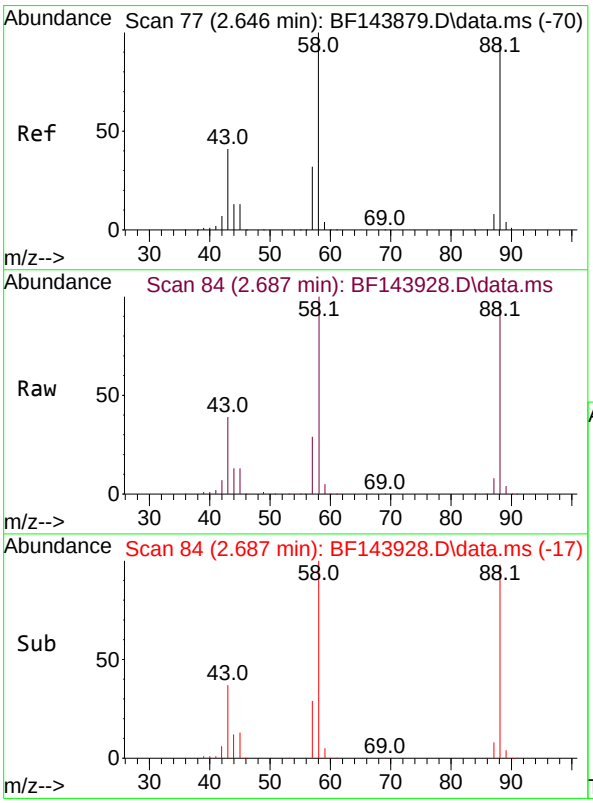
Ion	Ratio	Lower	Upper
152	100		
150	166.5	124.4	186.6
115	61.0	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Manual Integrations
APPROVED

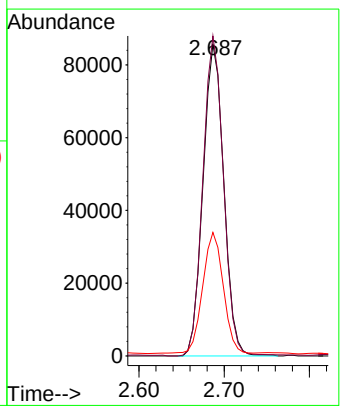
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

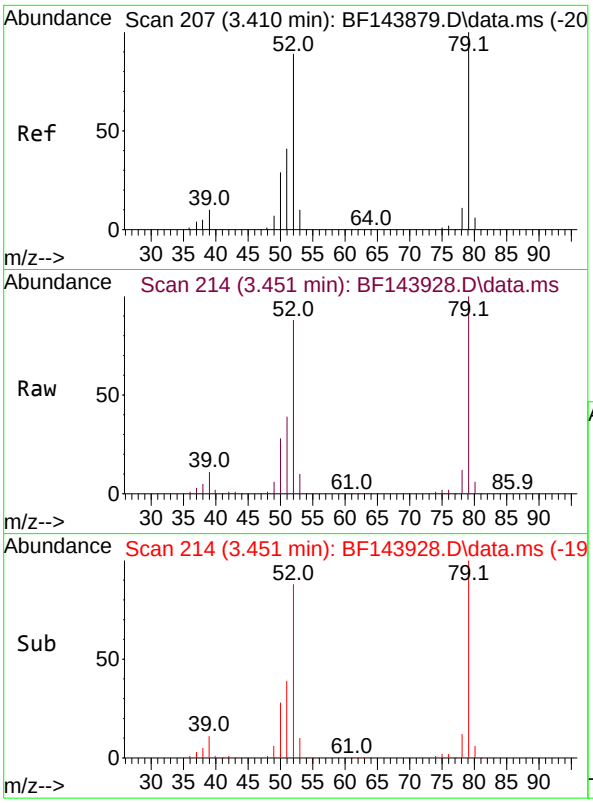


#2
1,4-Dioxane
Concen: 43.962 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.041 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 88 Resp: 144972

Ion	Ratio	Lower	Upper
88	100		
58	101.9	83.0	124.6
43	38.7	33.9	50.9

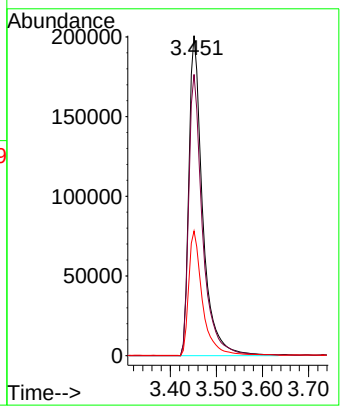




#3
Pyridine
Concen: 43.553 ng
RT: 3.451 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 79 Resp: 41811

Ion	Ratio	Lower	Upper
79	100		
52	87.9	71.5	107.3
51	38.9	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
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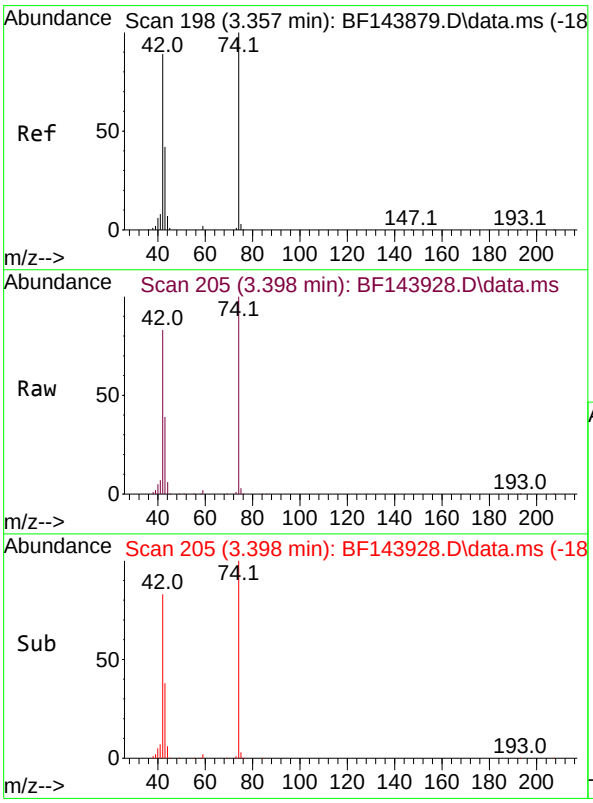
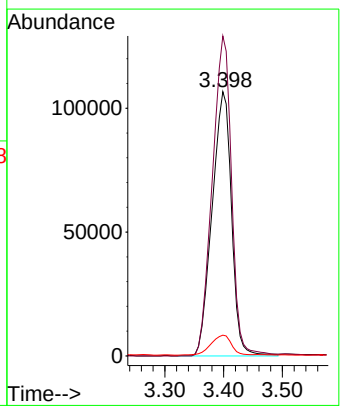
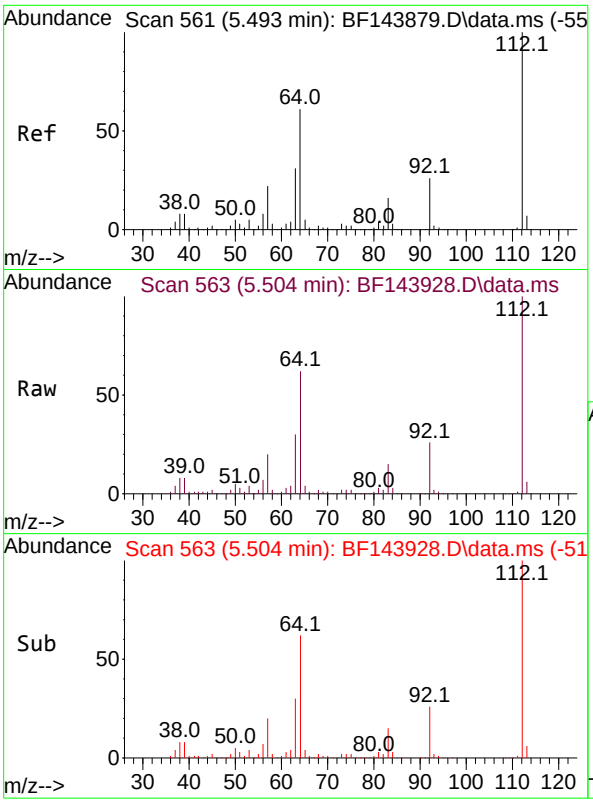


#4
n-Nitrosodimethylamine
Concen: 48.589 ng
RT: 3.398 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 42 Resp: 245380

Ion	Ratio	Lower	Upper
42	100		
74	121.1	90.0	135.0
44	7.9	6.2	9.2





#5
2-Fluorophenol
Concen: 84.530 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:112 Resp: 60238

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.1	73.7
63	29.6	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
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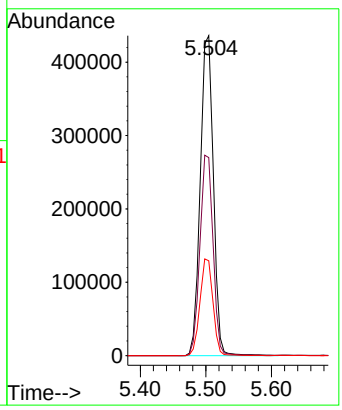
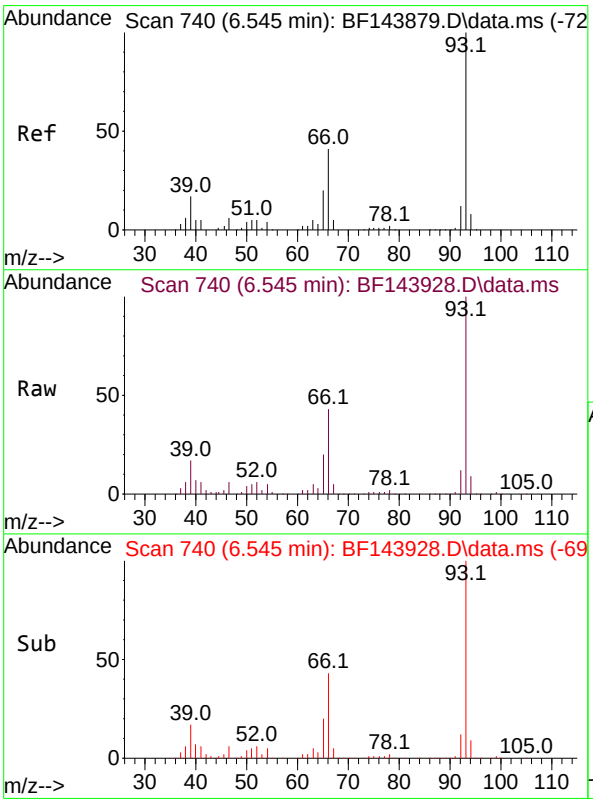
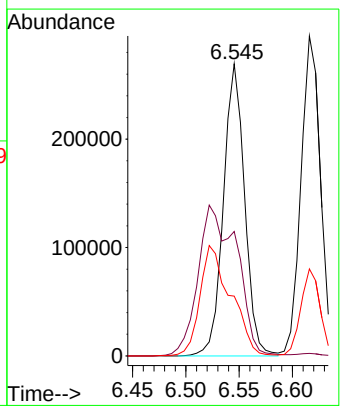


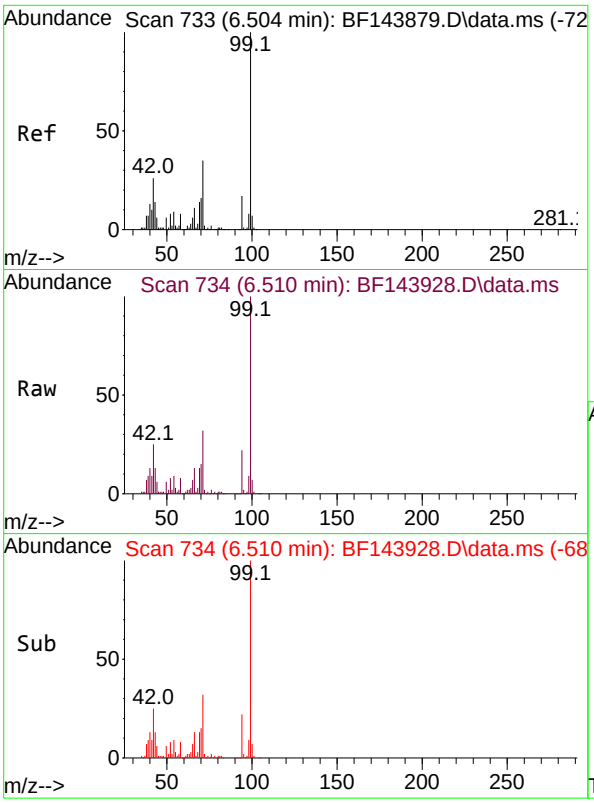


#6
Aniline
Concen: 29.335 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 93 Resp: 373392

Ion	Ratio	Lower	Upper
93	100		
66	42.6	33.0	49.6
65	20.5	15.8	23.8

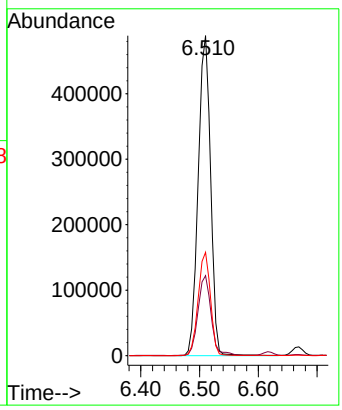




#7
Phenol-d6
Concen: 84.178 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 99 Resp: 71502

Ion	Ratio	Lower	Upper
99	100		
42	25.0	21.0	31.4
71	32.3	27.8	41.8



Instrument :
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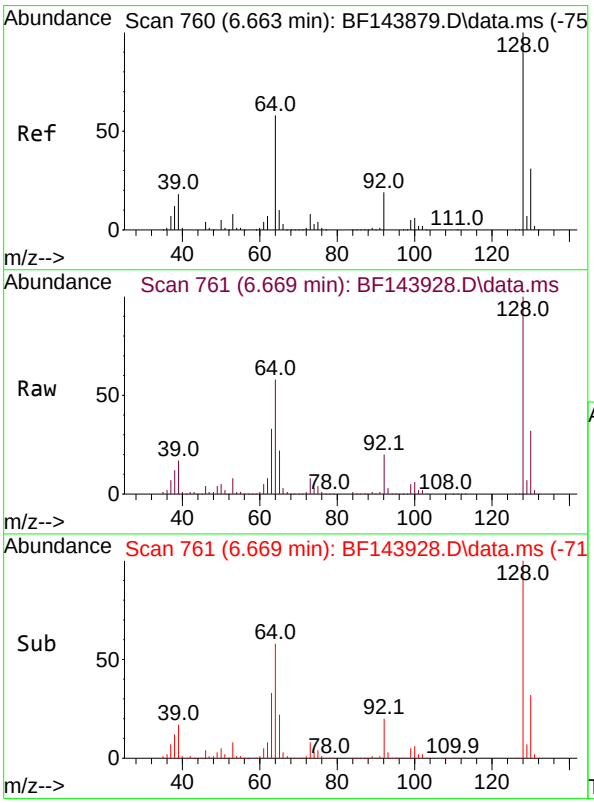
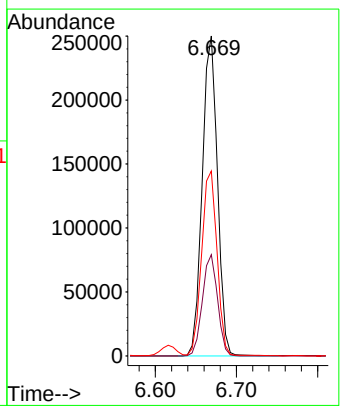
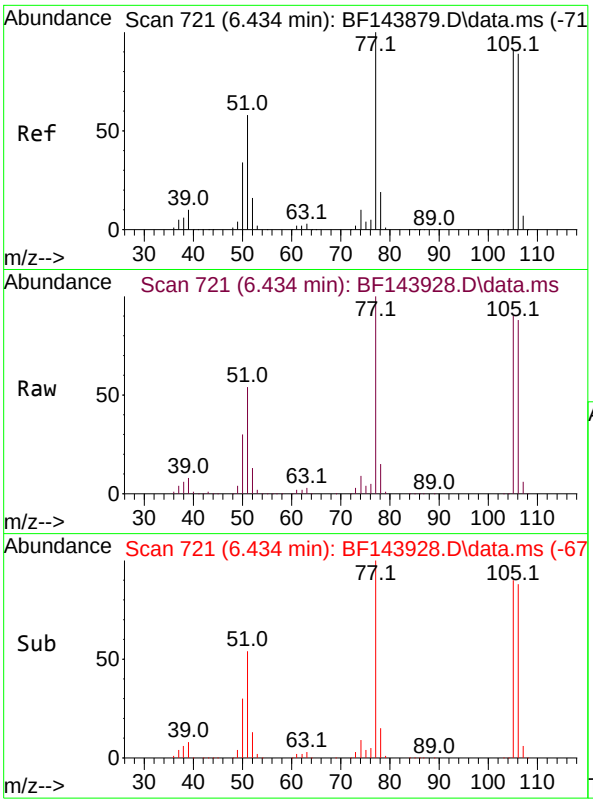


#8
2-Chlorophenol
Concen: 46.743 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:128 Resp: 325604

Ion	Ratio	Lower	Upper
128	100		
130	31.6	10.7	50.7
64	57.8	39.0	79.0

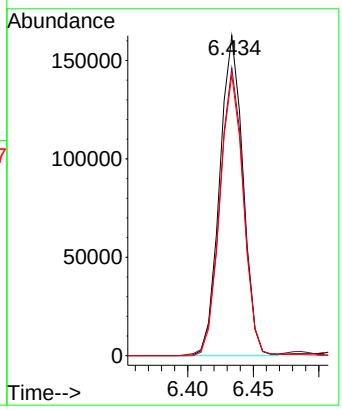




#9
Benzaldehyde
Concen: 30.723 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 77 Resp: 20131

Ion	Ratio	Lower	Upper
77	100		
105	89.8	70.9	110.9
106	87.7	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
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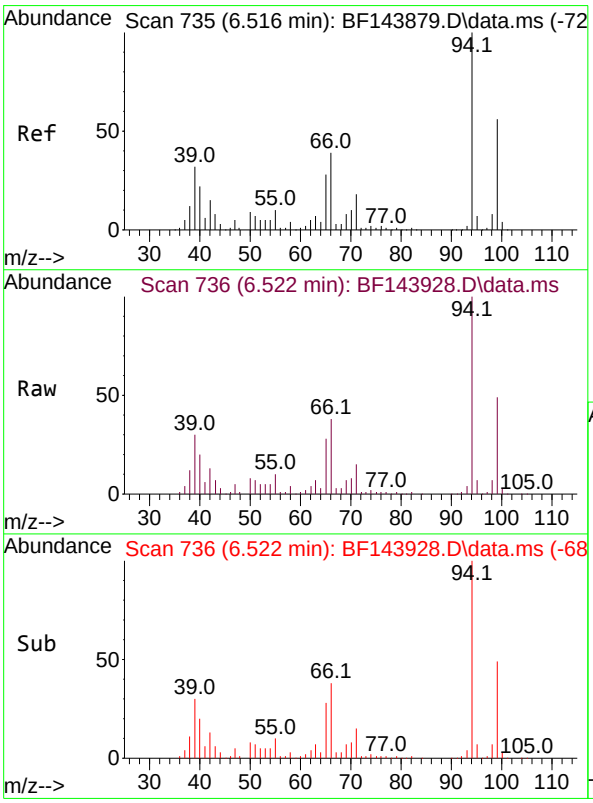
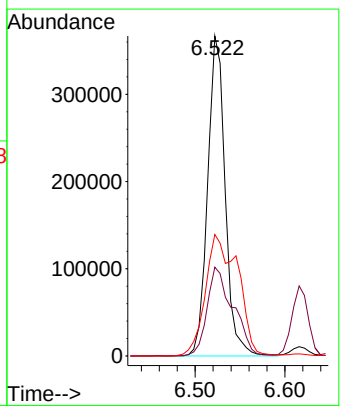
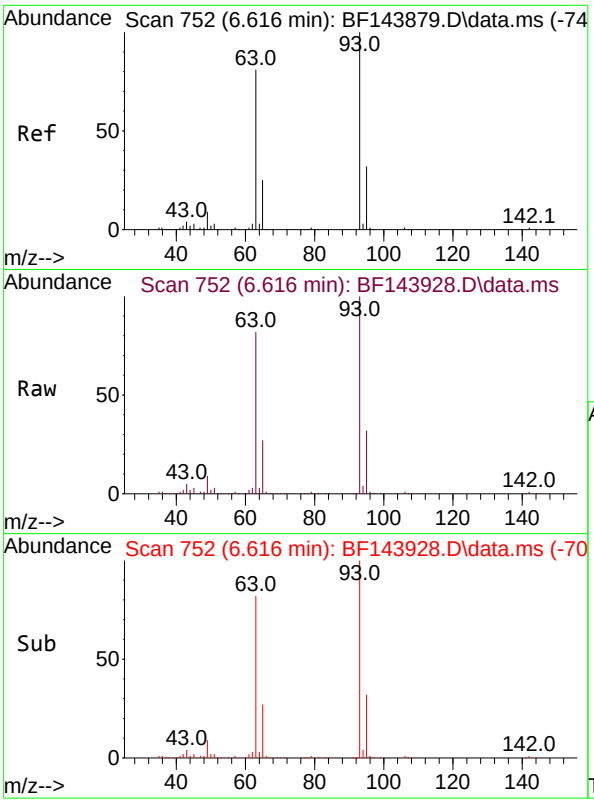


#10
Phenol
Concen: 49.090 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 94 Resp: 498510

Ion	Ratio	Lower	Upper
94	100		
65	27.7	8.5	48.5
66	37.9	19.9	59.9

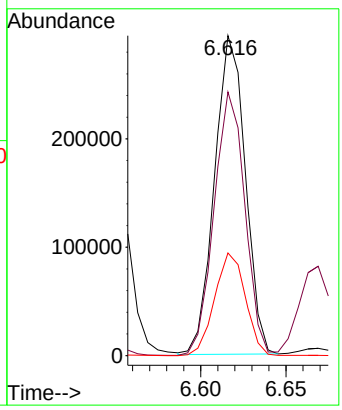




#11
bis(2-Chloroethyl)ether
Concen: 47.068 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 93 Resp: 36922

Ion	Ratio	Lower	Upper
93	100		
63	82.4	60.9	100.9
95	32.1	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
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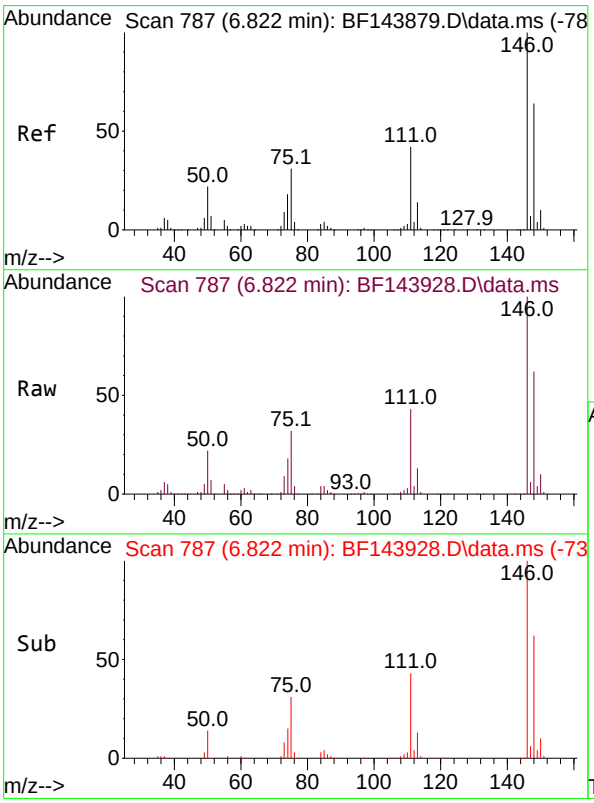
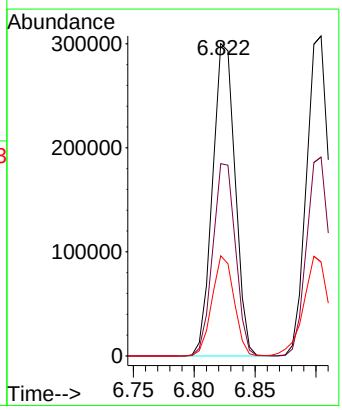
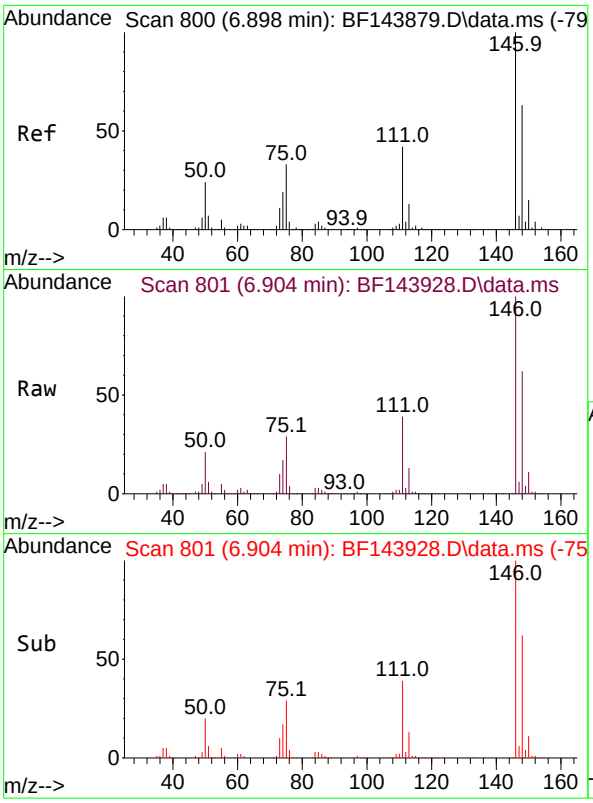


#12
1,3-Dichlorobenzene
Concen: 46.556 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:146 Resp: 388197

Ion	Ratio	Lower	Upper
146	100		
148	61.6	51.0	76.4
75	32.0	24.9	37.3

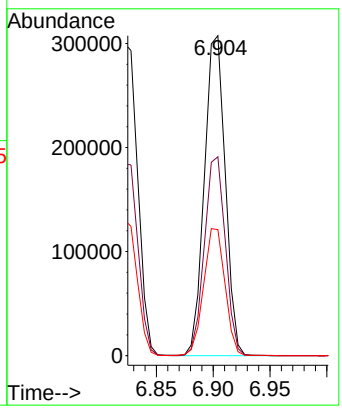




#13
1,4-Dichlorobenzene
Concen: 47.924 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:146 Resp: 39417

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.5	75.7
111	39.4	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
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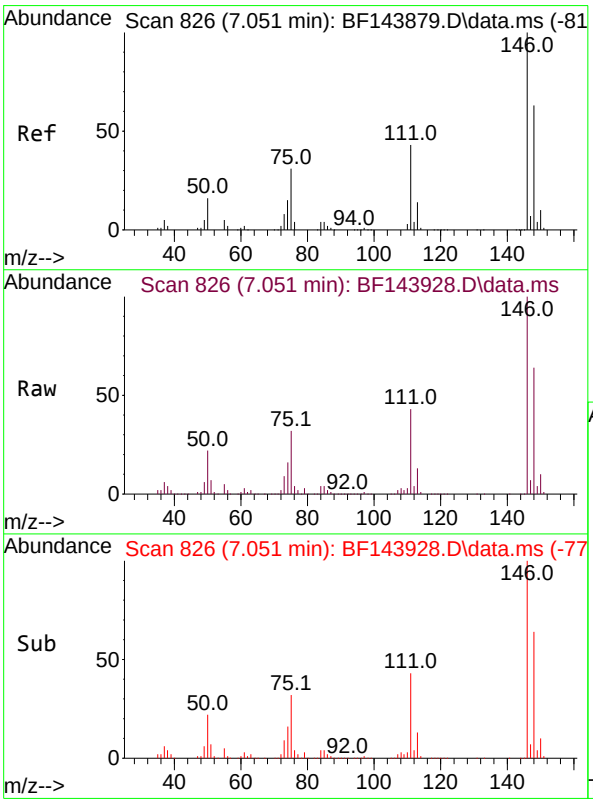
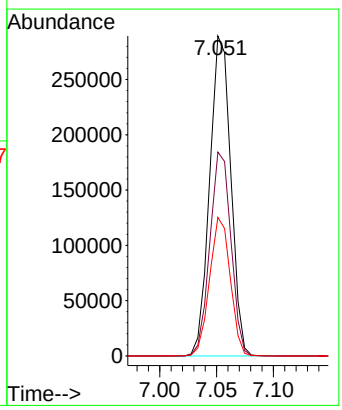
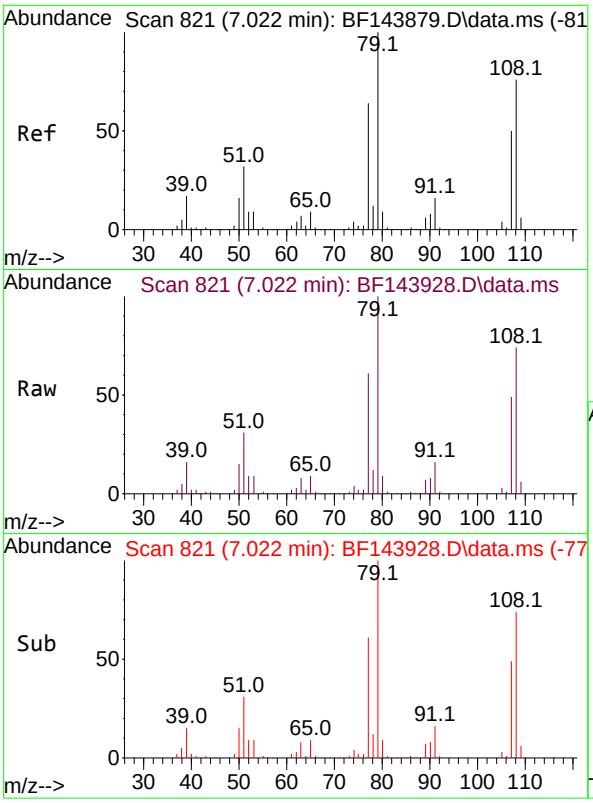


#14
1,2-Dichlorobenzene
Concen: 47.483 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:146 Resp: 374087

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	75.8
111	43.3	34.6	51.8

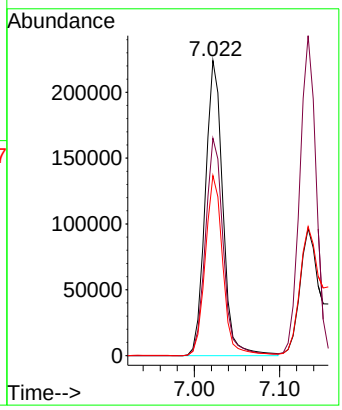




#15
Benzyl Alcohol
Concen: 50.359 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 79 Resp: 32050

Ion	Ratio	Lower	Upper
79	100		
108	73.7	60.8	91.2
77	61.0	51.0	76.6



Instrument :
BNA_F
ClientSampleId :
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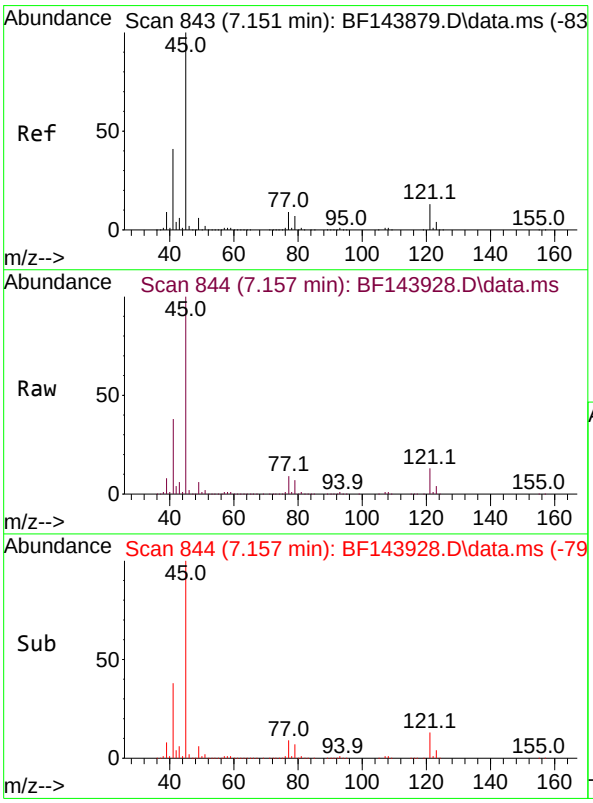
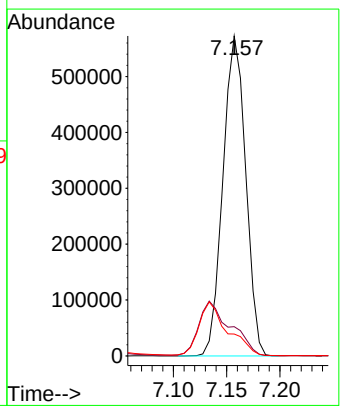
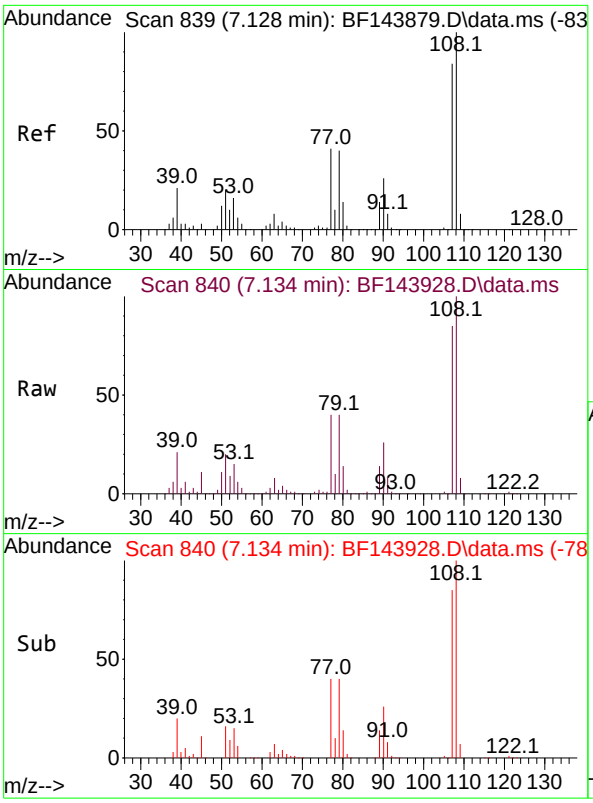


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.754 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 45 Resp: 852689

Ion	Ratio	Lower	Upper
45	100		
77	9.1	0.0	29.0
79	6.8	0.0	26.8

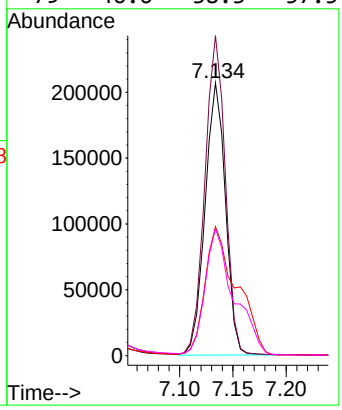




#17
2-Methylphenol
Concen: 47.816 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:107 Resp: 27527

Ion	Ratio	Lower	Upper
107	100		
108	117.3	94.7	142.1
77	47.3	38.8	58.2
79	46.6	38.3	57.5



Instrument :
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ClientSampleId :
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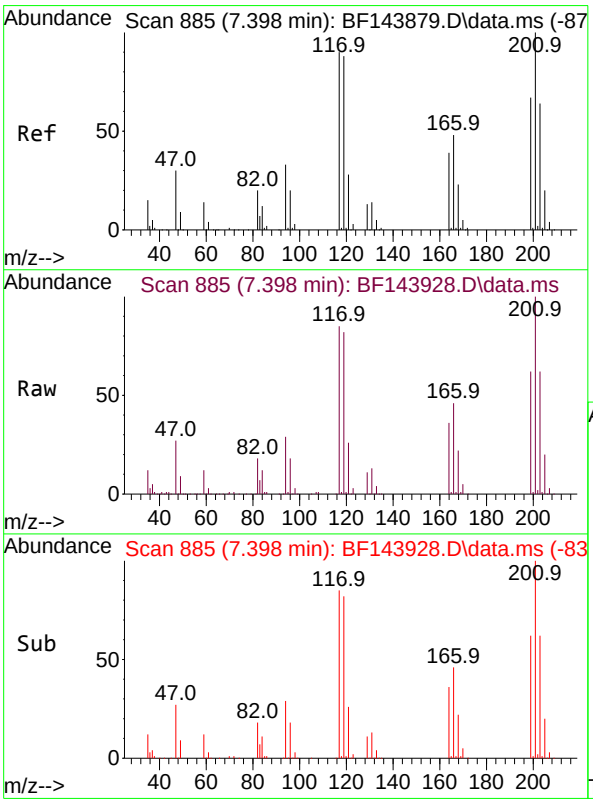
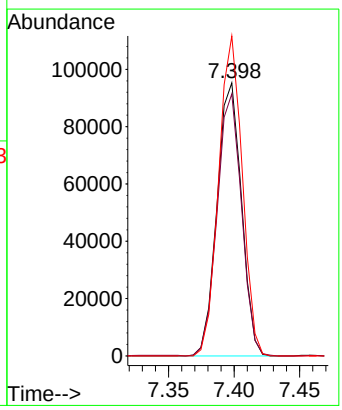
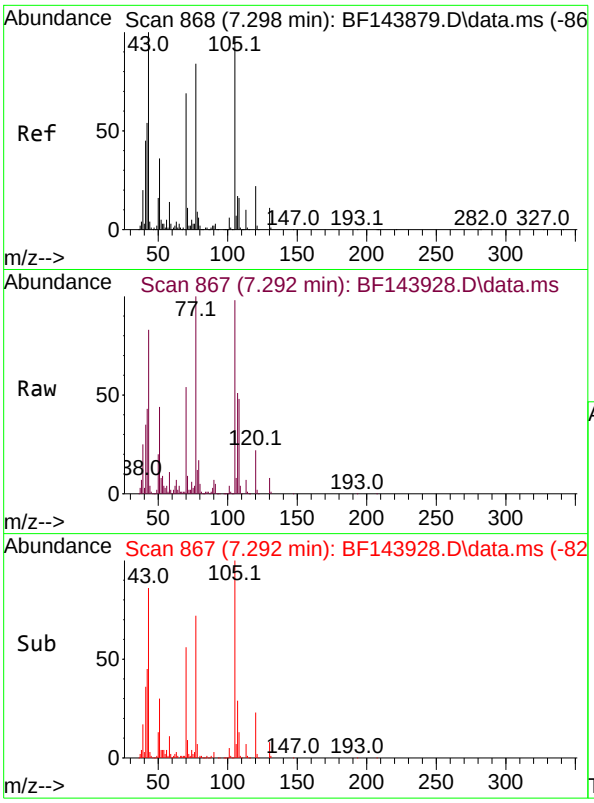


#18
Hexachloroethane
Concen: 44.967 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:117 Resp: 123345

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.8
201	117.2	88.5	132.7

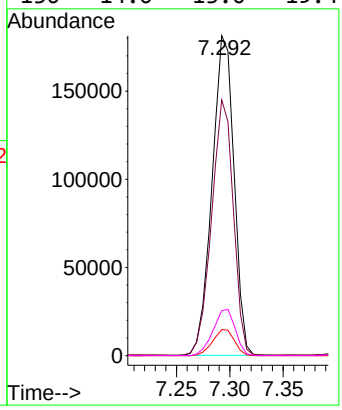




#19
n-Nitroso-di-n-propylamine
Concen: 44.697 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 70 Resp: 25988

Ion	Ratio	Lower	Upper
70	100		
42	79.9	62.8	94.2
101	8.1	6.7	10.1
130	14.0	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
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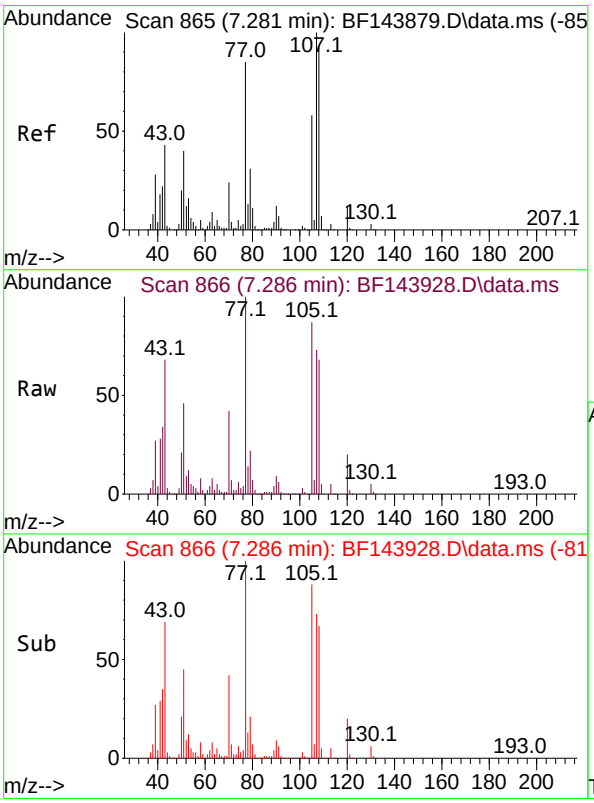
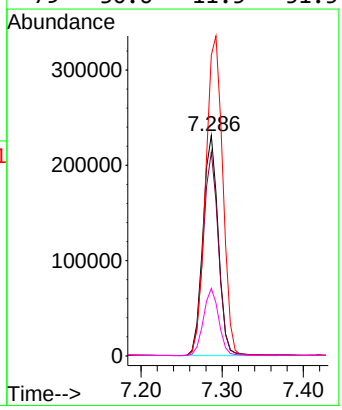
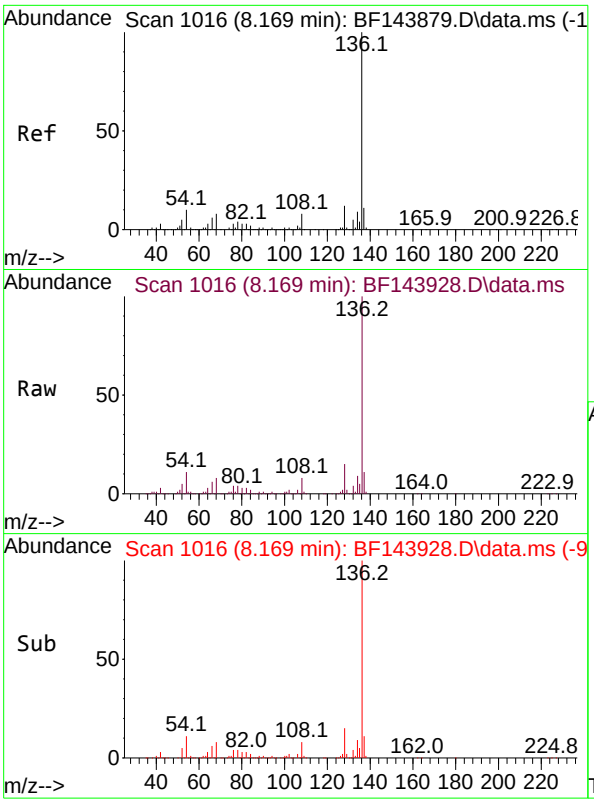


#20
3+4-Methylphenols
Concen: 45.666 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:107 Resp: 304691

Ion	Ratio	Lower	Upper
107	100		
108	92.4	73.0	113.0
77	136.4	64.6	104.6#
79	30.6	11.5	51.5

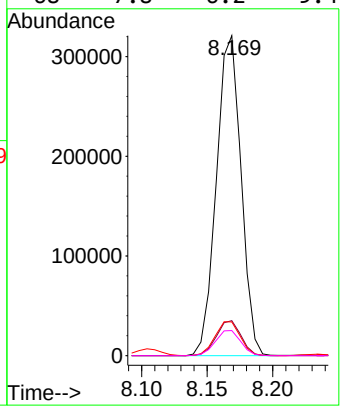




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:136 Resp: 42090

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.5	8.2	12.4
68	7.8	6.2	9.4



Instrument :
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ClientSampleId :
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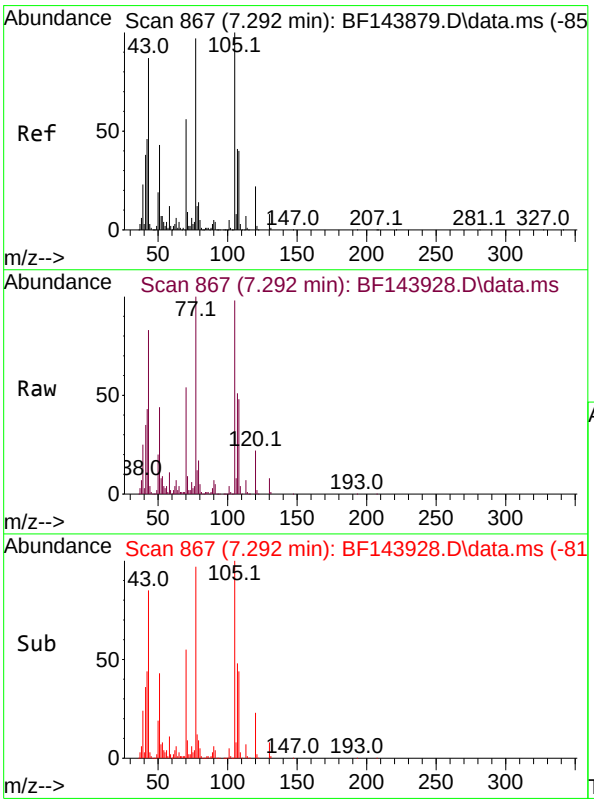
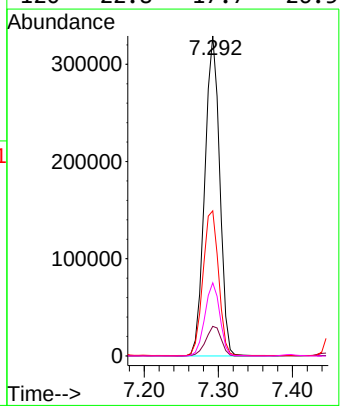
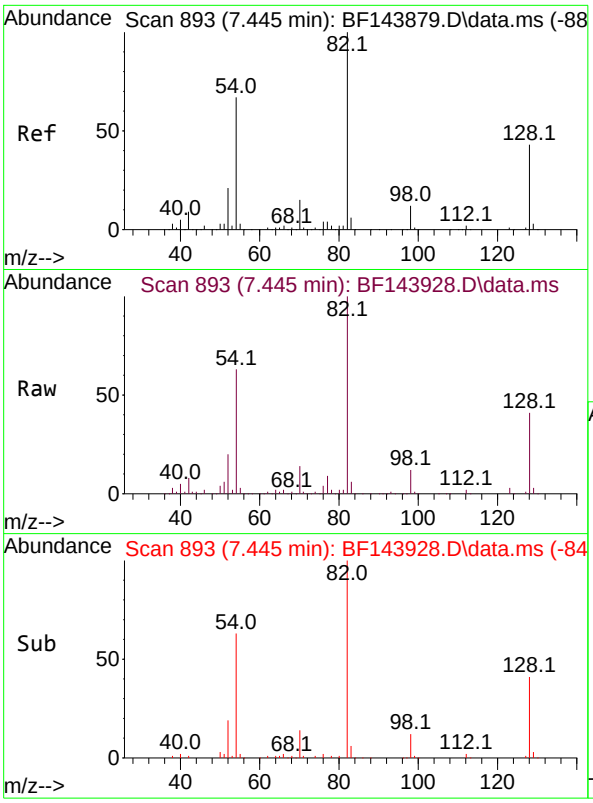


#22
Acetophenone
Concen: 51.698 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:105 Resp: 460099

Ion	Ratio	Lower	Upper
105	100		
71	9.2	7.4	11.0
51	45.3	34.2	51.4
120	22.8	17.7	26.5





#23
Nitrobenzene-d5
Concen: 59.442 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 82 Resp: 41181

Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	62.6	53.2	79.8

Instrument :
BNA_F
ClientSampleId :
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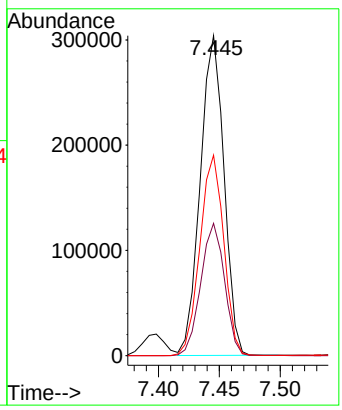
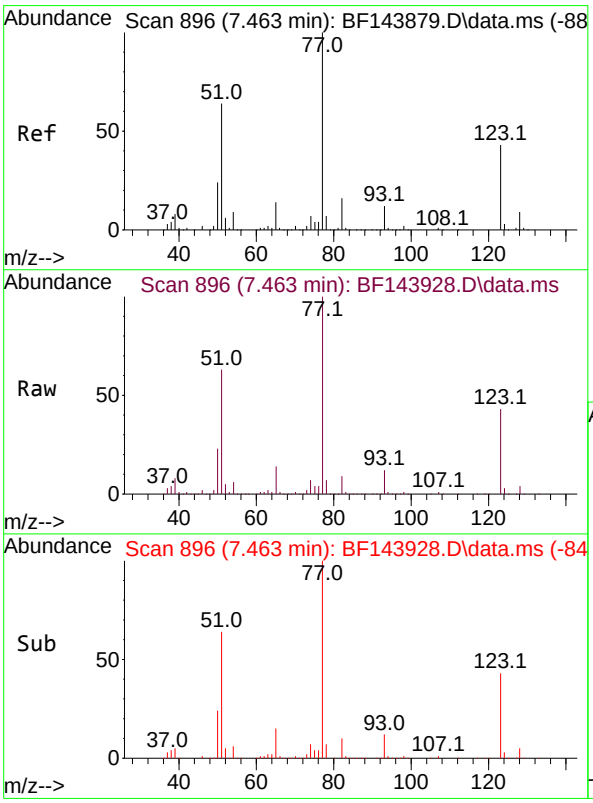
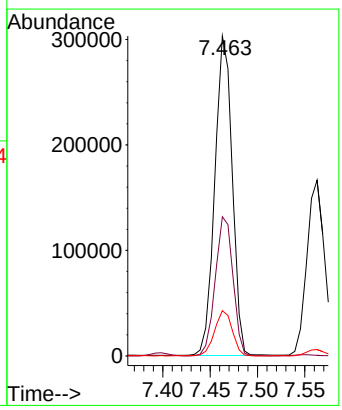


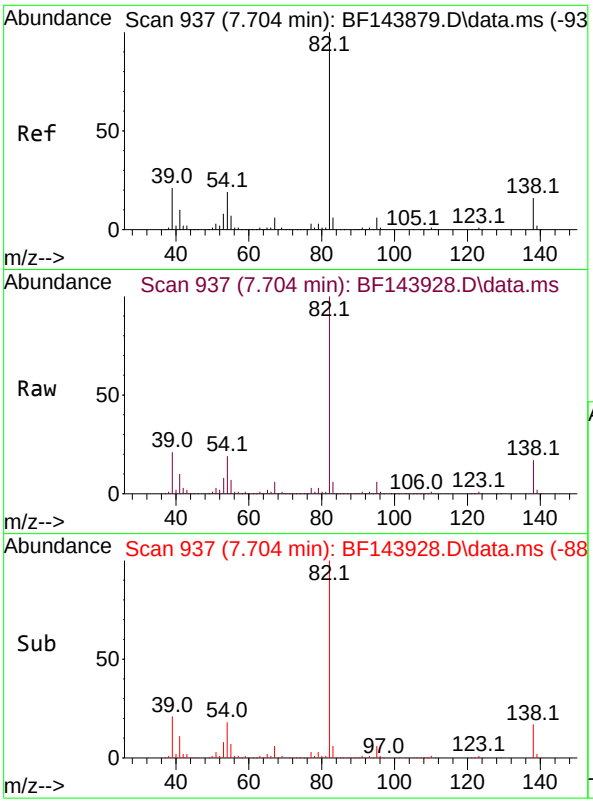


#24
Nitrobenzene
Concen: 50.450 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 77 Resp: 388139

Ion	Ratio	Lower	Upper
77	100		
123	43.5	34.2	51.4
65	14.1	11.0	16.6

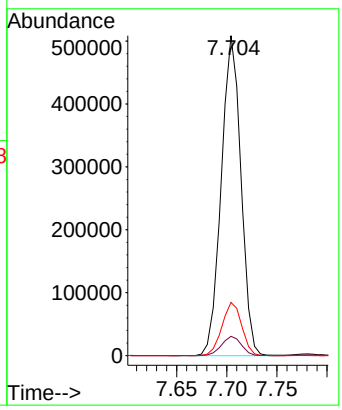




#25
Isophorone
Concen: 47.632 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 82 Resp: 69580

Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	16.6	12.9	19.3



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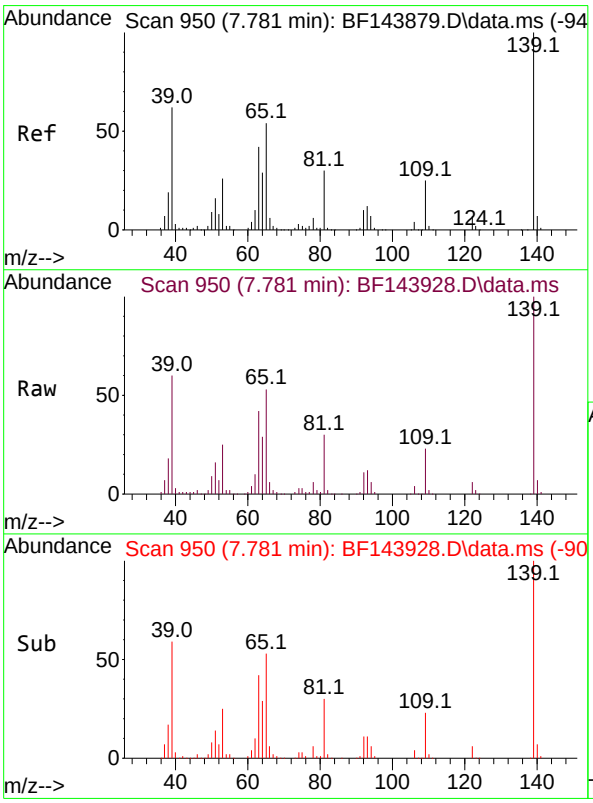
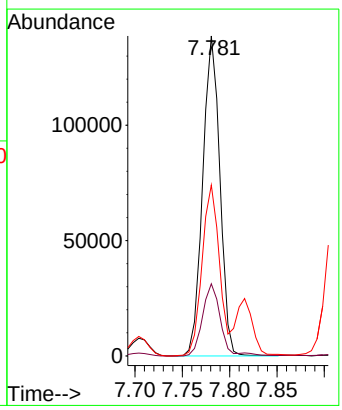
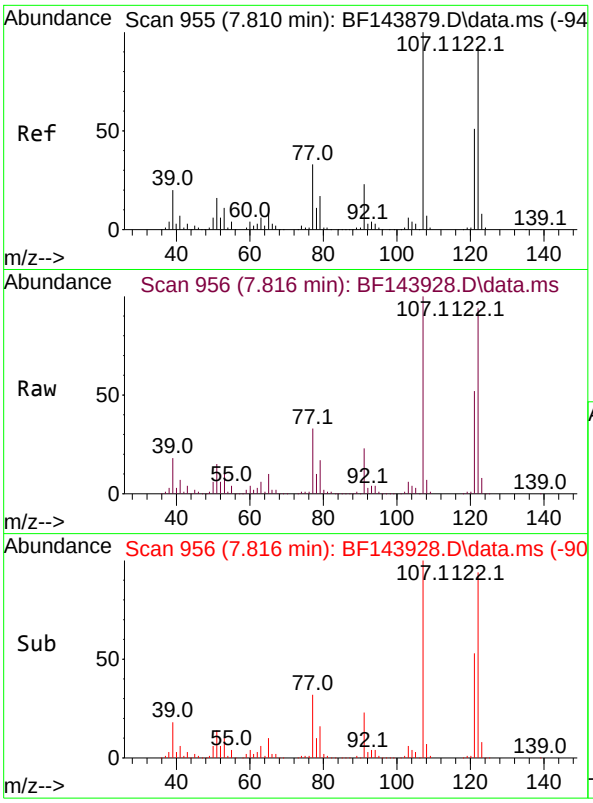


#26
2-Nitrophenol
Concen: 53.180 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:139 Resp: 175412

Ion	Ratio	Lower	Upper
139	100		
109	22.5	19.8	29.6
65	53.4	42.9	64.3

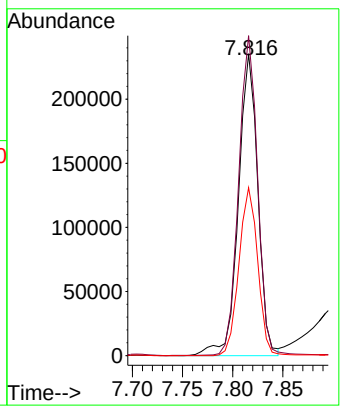




#27
2,4-Dimethylphenol
Concen: 53.320 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:122 Resp: 31637

Ion	Ratio	Lower	Upper
122	100		
107	106.0	86.1	129.1
121	55.6	43.8	65.6



Instrument :
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ClientSampleId :
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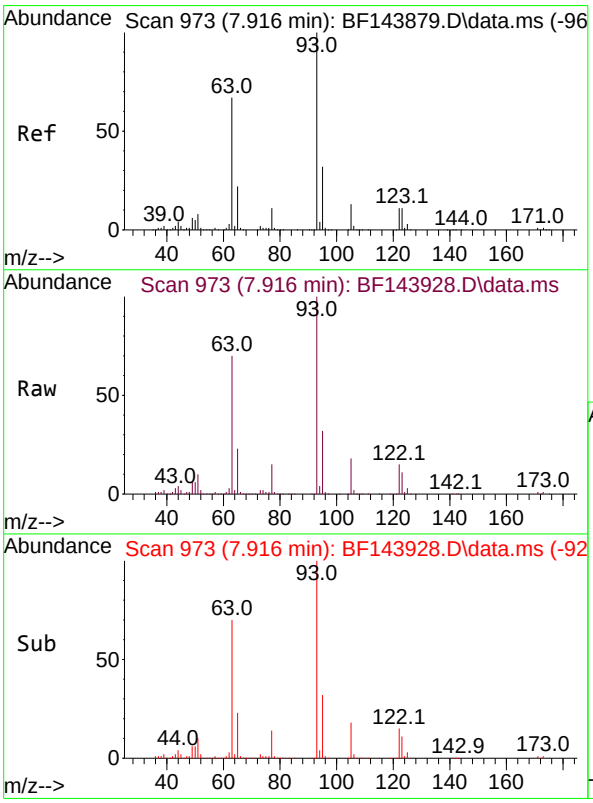
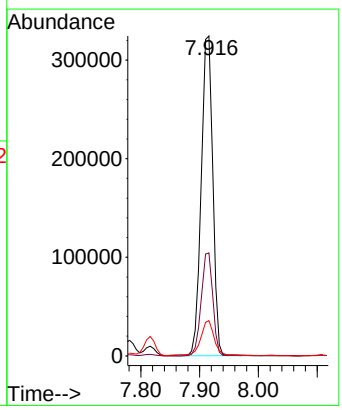
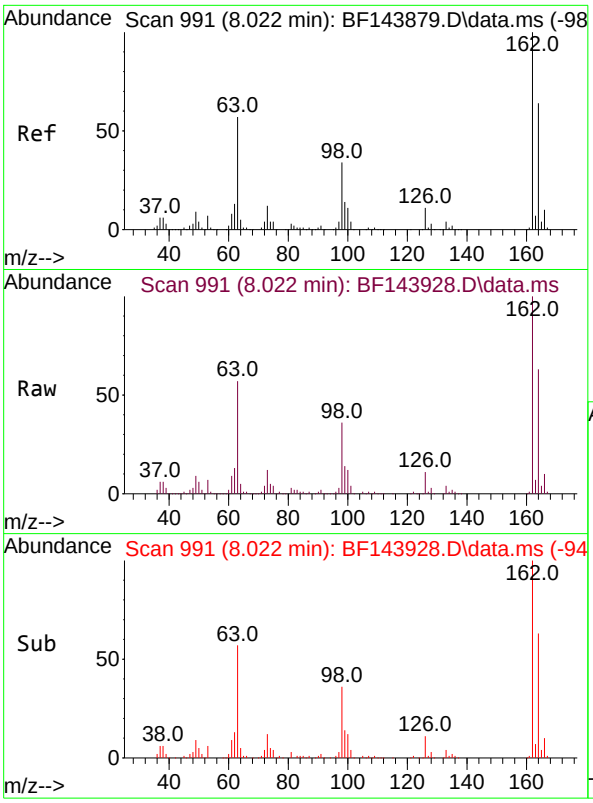


#28
bis(2-Chloroethoxy)methane
Concen: 48.203 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 93 Resp: 444801

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.9	38.9
123	11.0	9.4	14.0

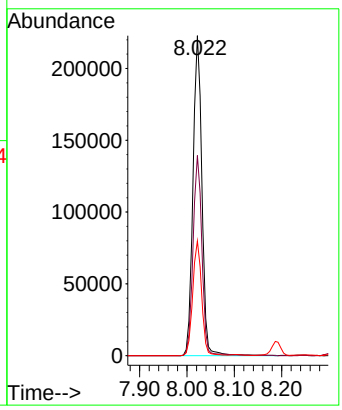




#29
2,4-Dichlorophenol
Concen: 47.273 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:162 Resp: 29217

Ion	Ratio	Lower	Upper
162	100		
164	62.5	43.9	83.9
98	35.8	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
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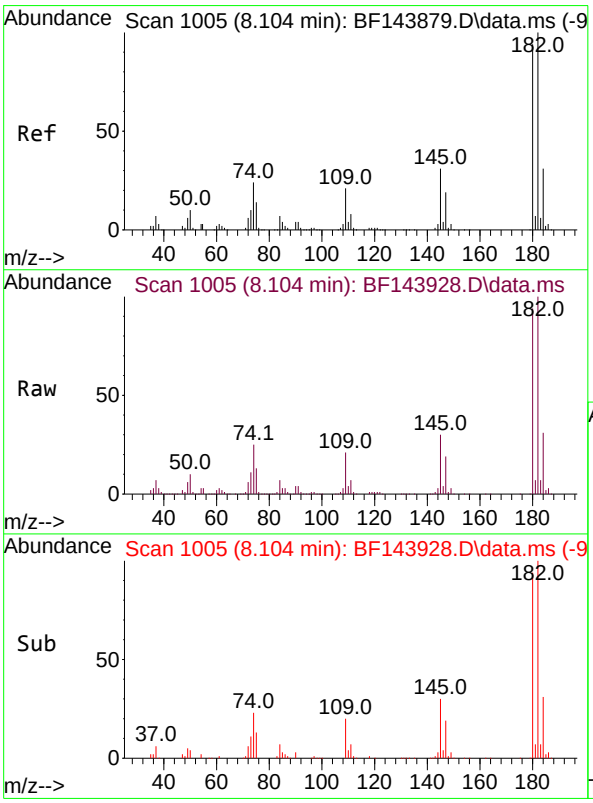
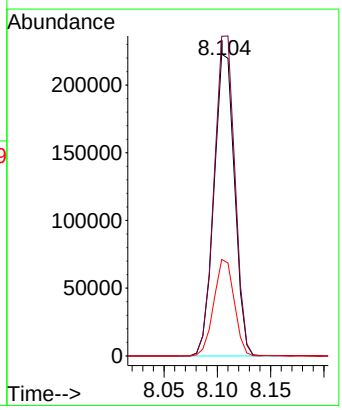
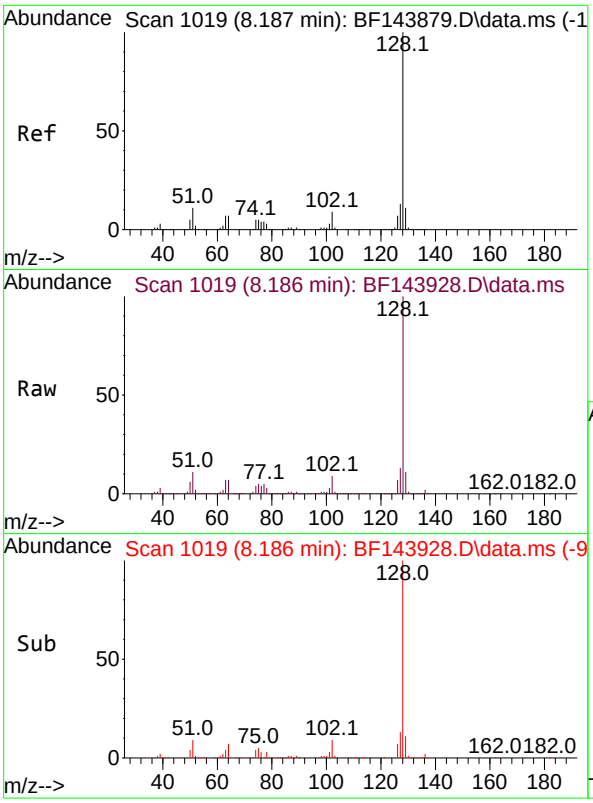


#30
1,2,4-Trichlorobenzene
Concen: 49.476 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:180 Resp: 300734

Ion	Ratio	Lower	Upper
180	100		
182	105.9	85.4	128.0
145	31.9	26.3	39.5

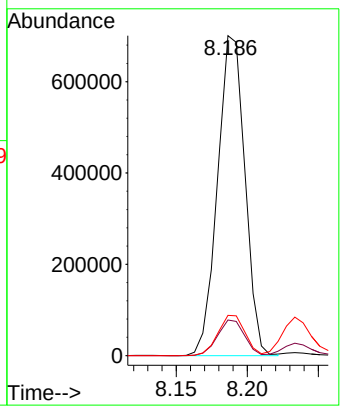




#31
Naphthalene
Concen: 49.027 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:128 Resp: 93870

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.6	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
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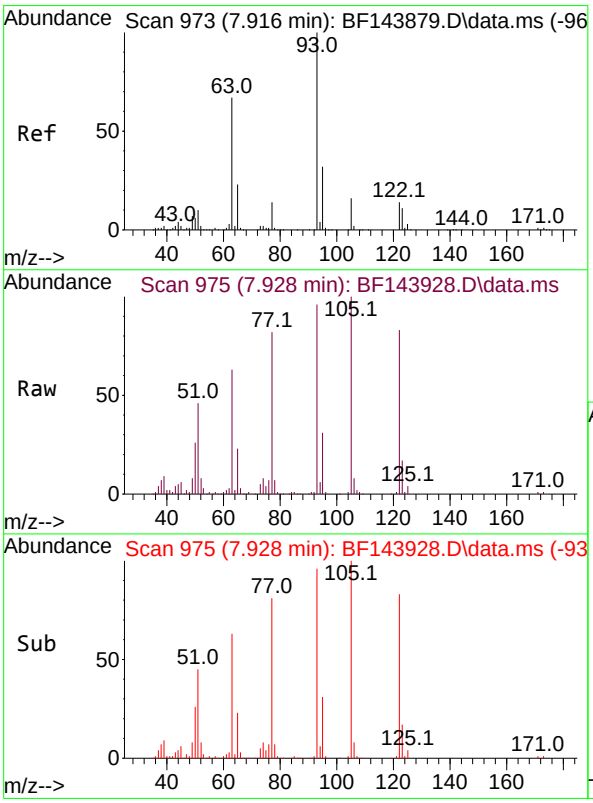
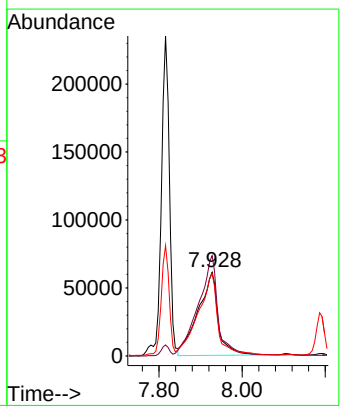
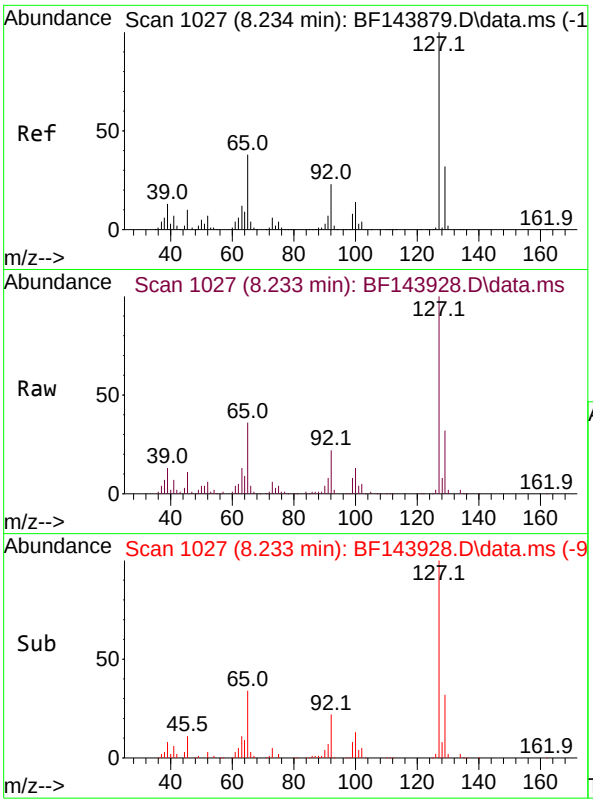


#32
Benzoic acid
Concen: 50.455 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.035 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:122 Resp: 207190

Ion	Ratio	Lower	Upper
122	100		
105	119.8	93.5	133.5
77	98.5	76.3	116.3

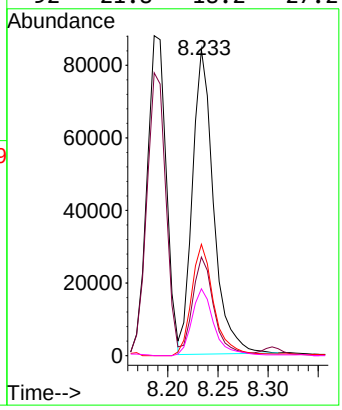




#33
4-Chloroaniline
Concen: 17.112 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:127 Resp: 12288

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	36.4	30.0	45.0
92	21.8	18.2	27.2



Instrument :
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ClientSampleId :
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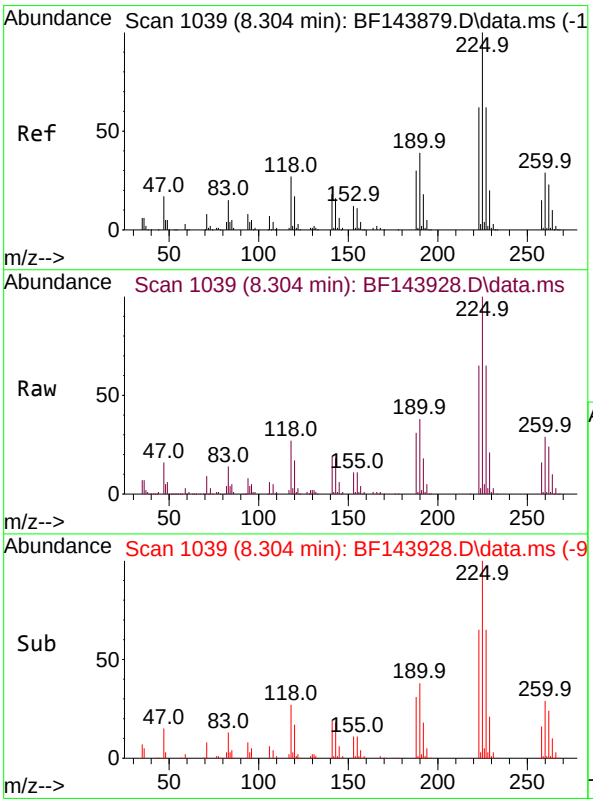
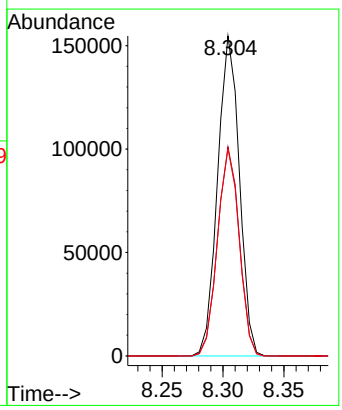
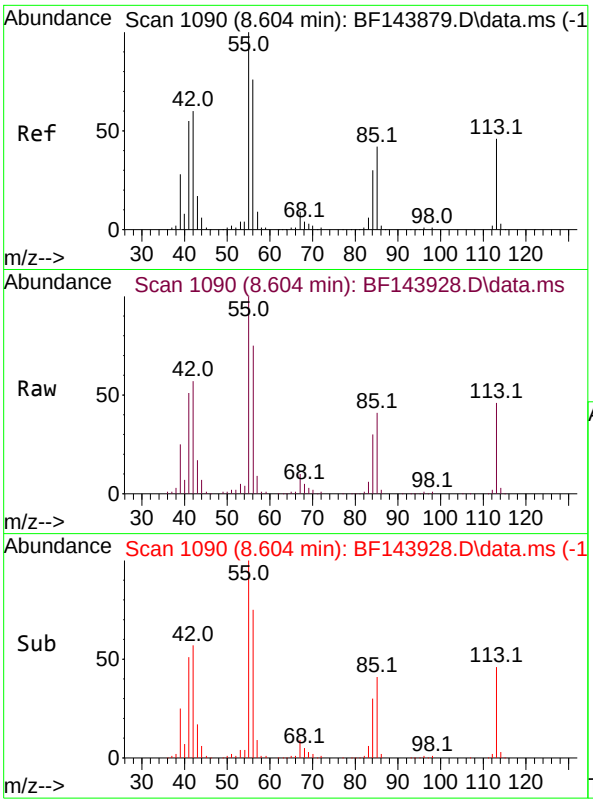


#34
Hexachlorobutadiene
Concen: 45.483 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:225 Resp: 192115

Ion	Ratio	Lower	Upper
225	100		
223	65.3	49.4	74.2
227	64.8	49.7	74.5

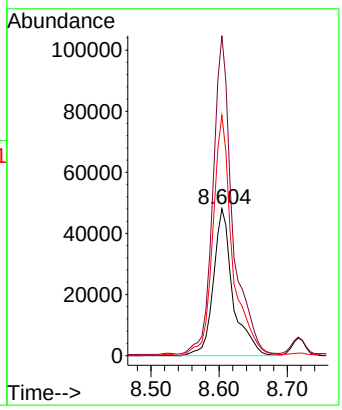




#35
Caprolactam
Concen: 48.461 ng
RT: 8.604 min Scan# 10
Delta R.T. -0.041 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:113 Resp: 9523

Ion	Ratio	Lower	Upper
113	100		
55	217.9	199.6	239.6
56	163.6	146.0	186.0



Instrument :
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ClientSampleId :
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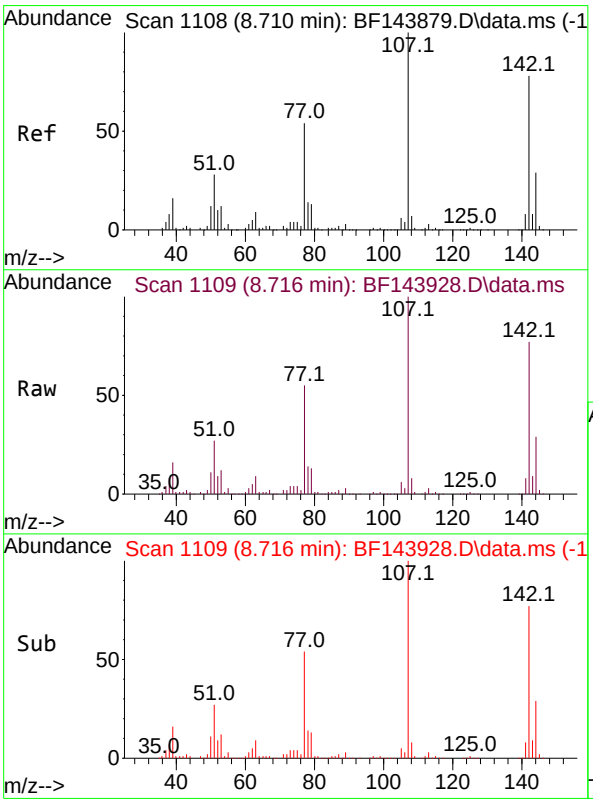
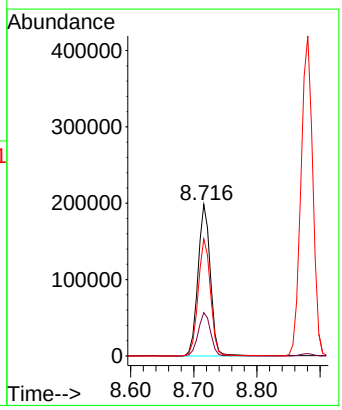
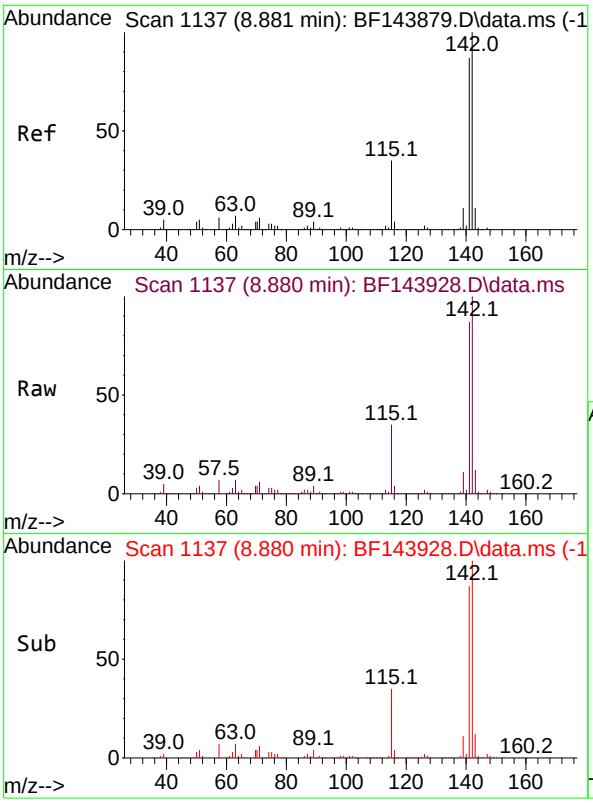


#36
4-Chloro-3-methylphenol
Concen: 45.559 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:107 Resp: 270474

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.1	34.7
142	77.3	62.6	94.0

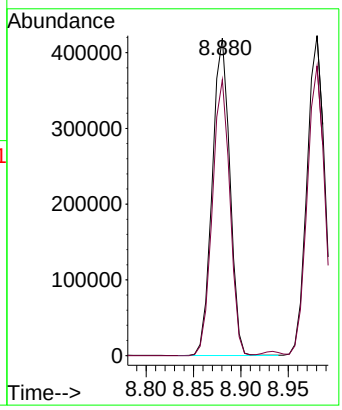




#37
2-Methylnaphthalene
Concen: 42.571 ng
RT: 8.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:142 Resp: 54295

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
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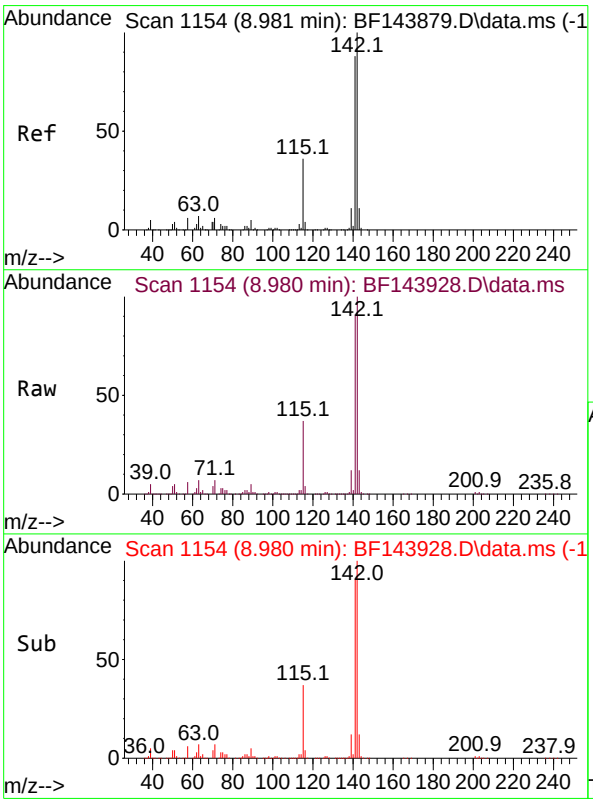
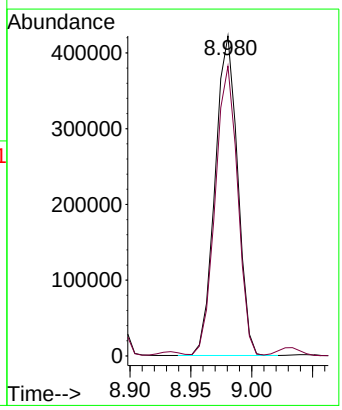
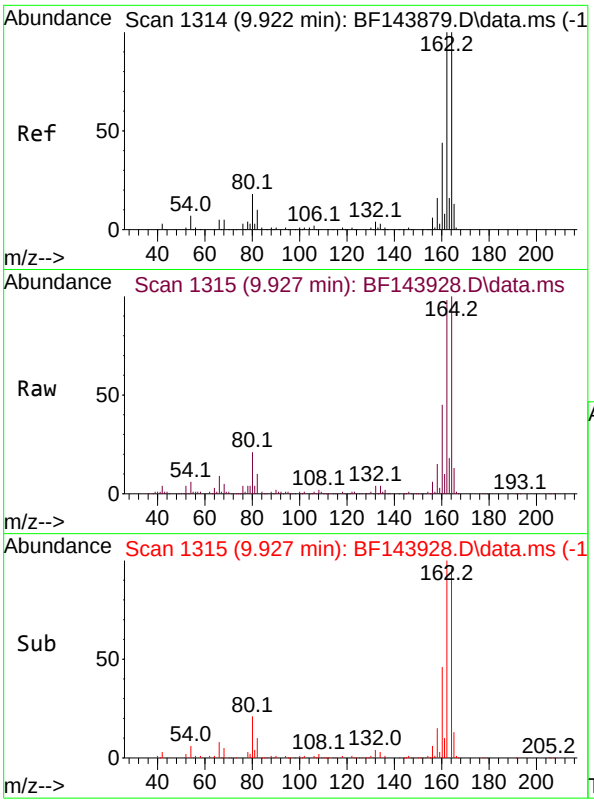


#38
1-Methylnaphthalene
Concen: 43.895 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:142 Resp: 543024

Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.8	106.2

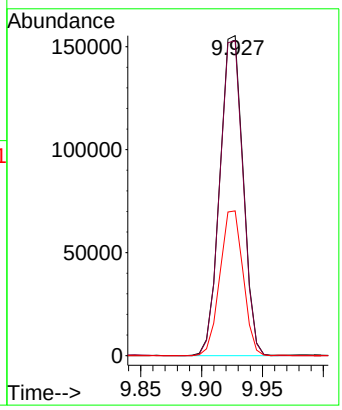




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:164 Resp: 20632

Ion	Ratio	Lower	Upper
164	100		
162	98.4	80.2	120.2
160	45.3	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
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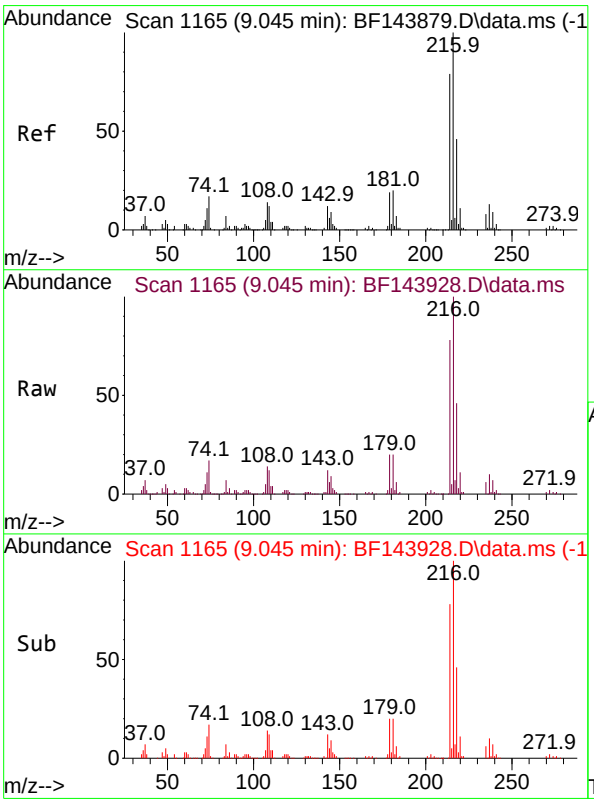
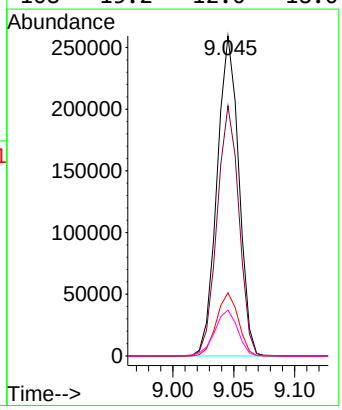
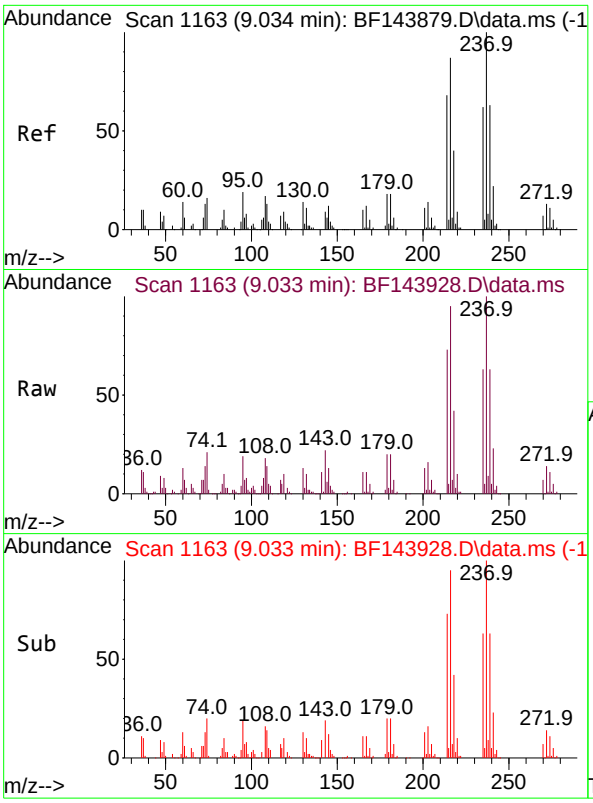


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.371 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:216 Resp: 321453

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	19.7	15.4	23.0
108	15.2	12.0	18.0

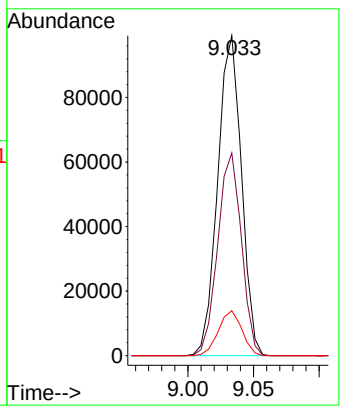




#41
Hexachlorocyclopentadiene
Concen: 52.887 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:237 Resp: 12511

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.3	82.3
272	14.0	0.0	33.1



Instrument :
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ClientSampleId :
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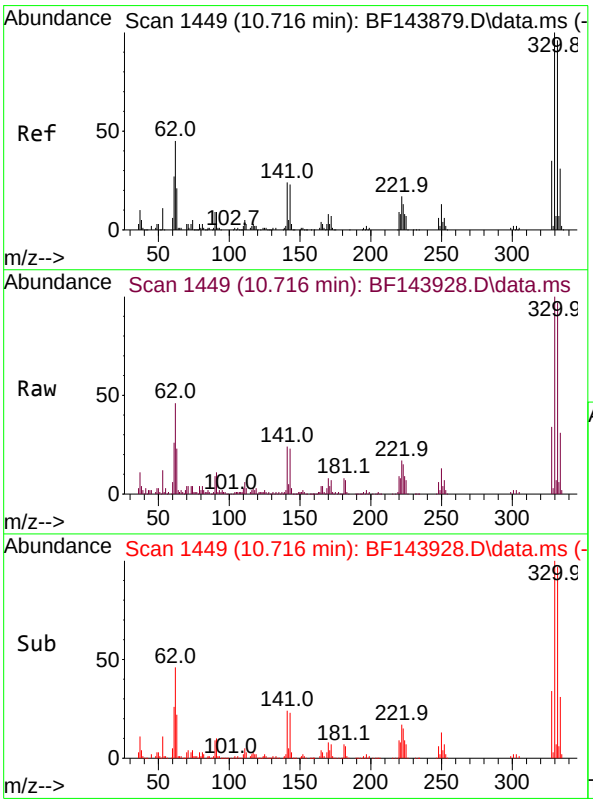
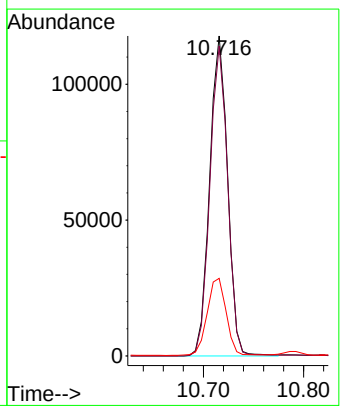
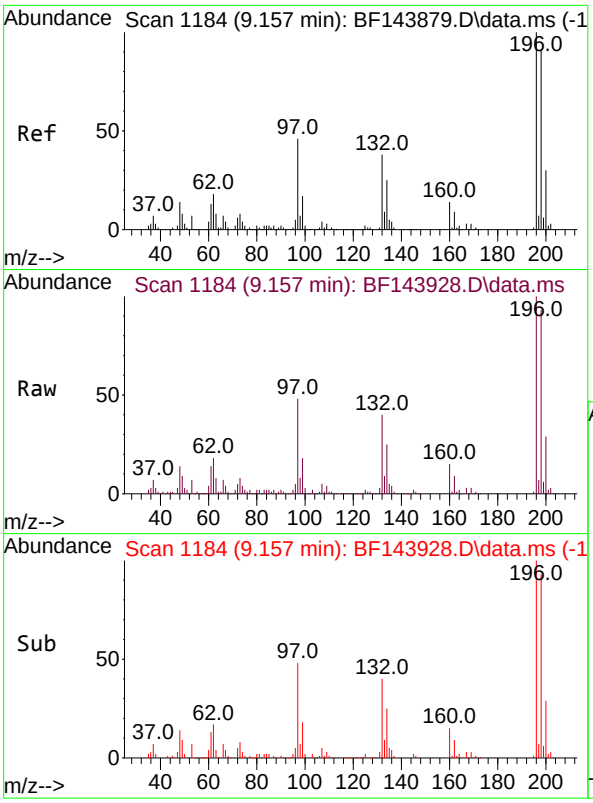


#42
2,4,6-Tribromophenol
Concen: 71.041 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:330 Resp: 145989

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	25.6	20.2	30.4

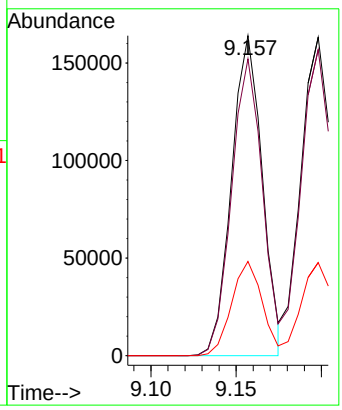




#43
2,4,6-Trichlorophenol
Concen: 49.287 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:196 Resp: 205359

Ion	Ratio	Lower	Upper
196	100		
198	92.7	72.8	109.2
200	29.4	24.0	36.0



Instrument :
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ClientSampleId :
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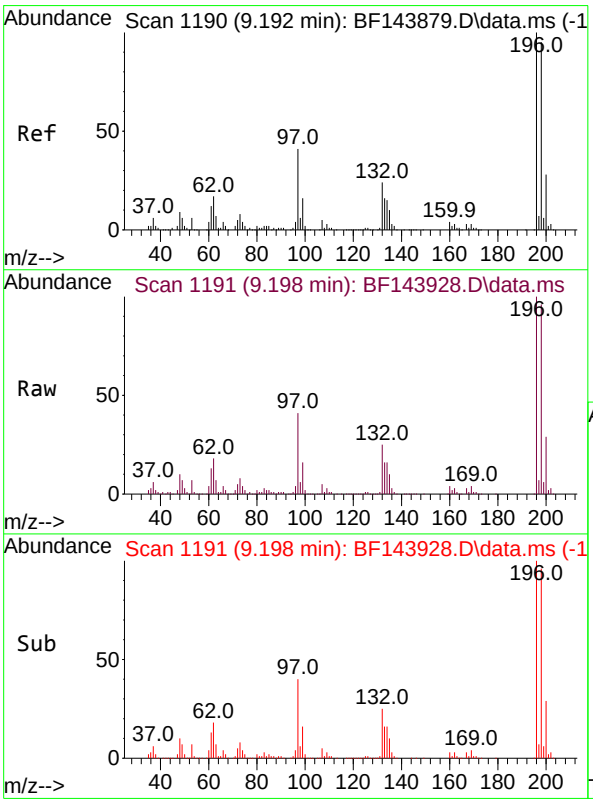
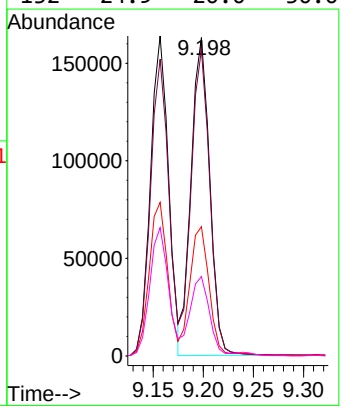
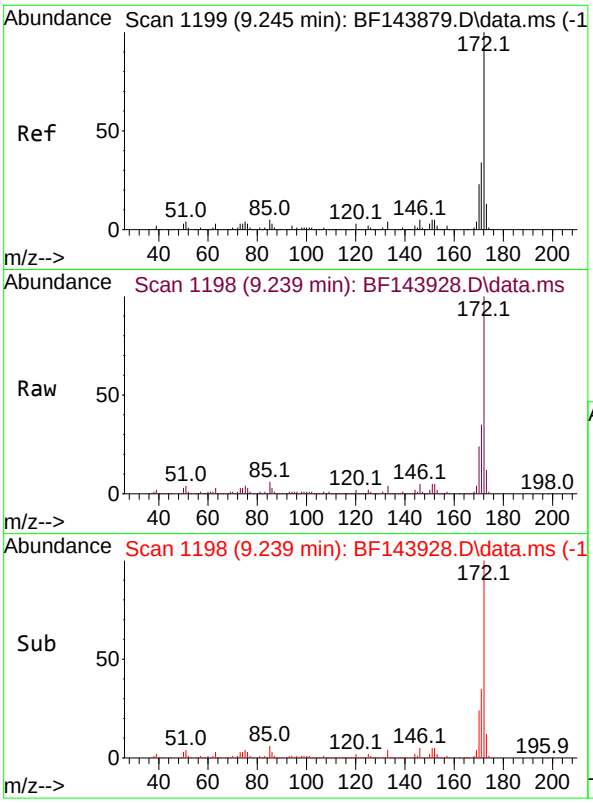


#44
2,4,5-Trichlorophenol
Concen: 47.967 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:196 Resp: 211202

Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.5	113.3
97	40.6	33.9	50.9
132	24.9	20.0	30.0

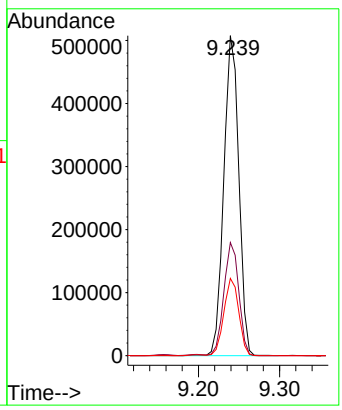




#45
2-Fluorobiphenyl
Concen: 50.045 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:172 Resp: 65073

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.4	41.0
170	24.1	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
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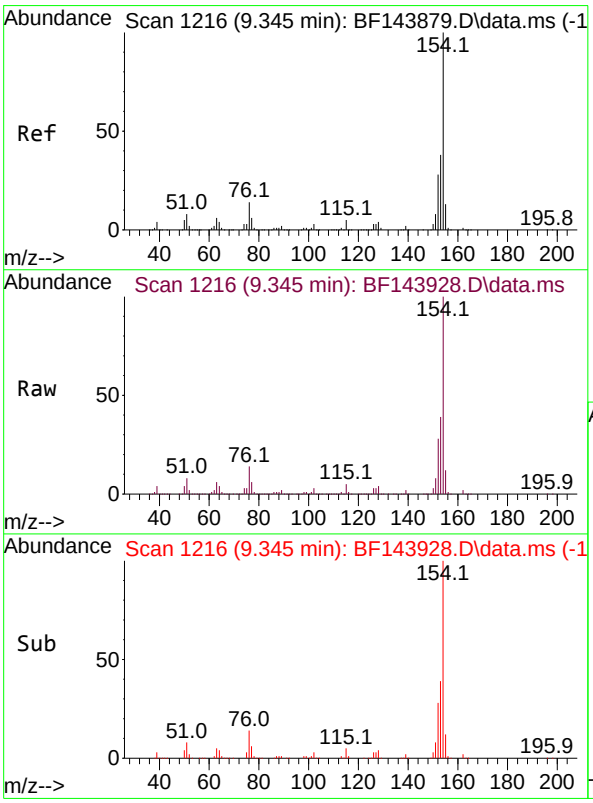
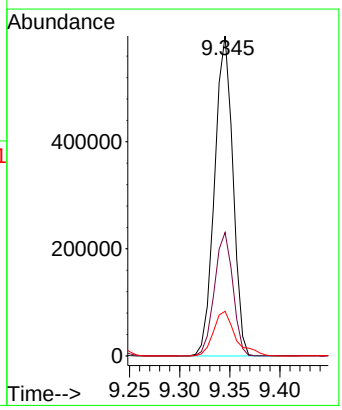
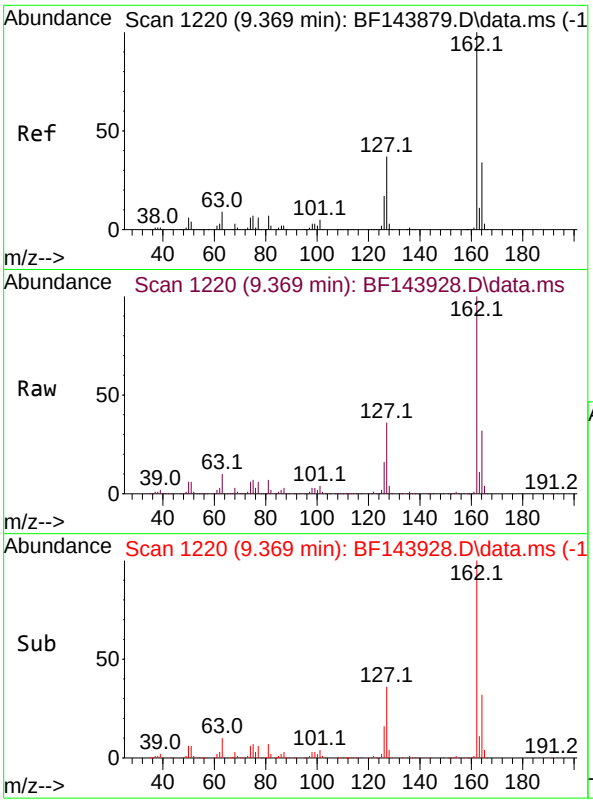


#46
1,1'-Biphenyl
Concen: 55.582 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:154 Resp: 759271

Ion	Ratio	Lower	Upper
154	100		
153	38.6	18.4	58.4
76	13.9	0.0	34.0

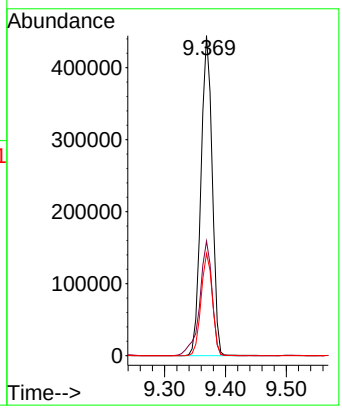




#47
2-Chloronaphthalene
Concen: 49.934 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:162 Resp: 56871

Ion	Ratio	Lower	Upper
162	100		
127	35.8	30.2	45.2
164	31.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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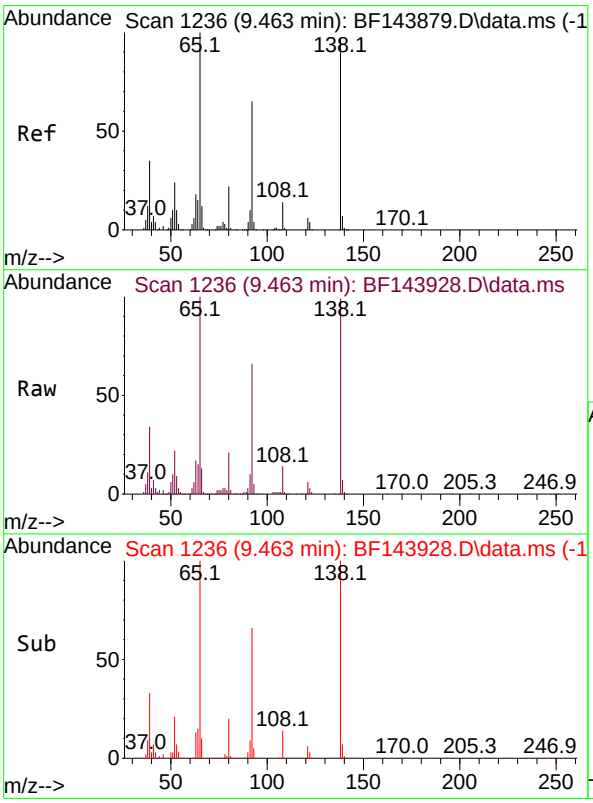
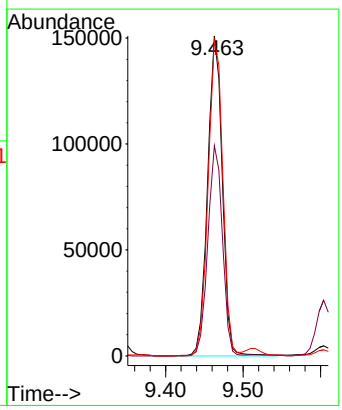
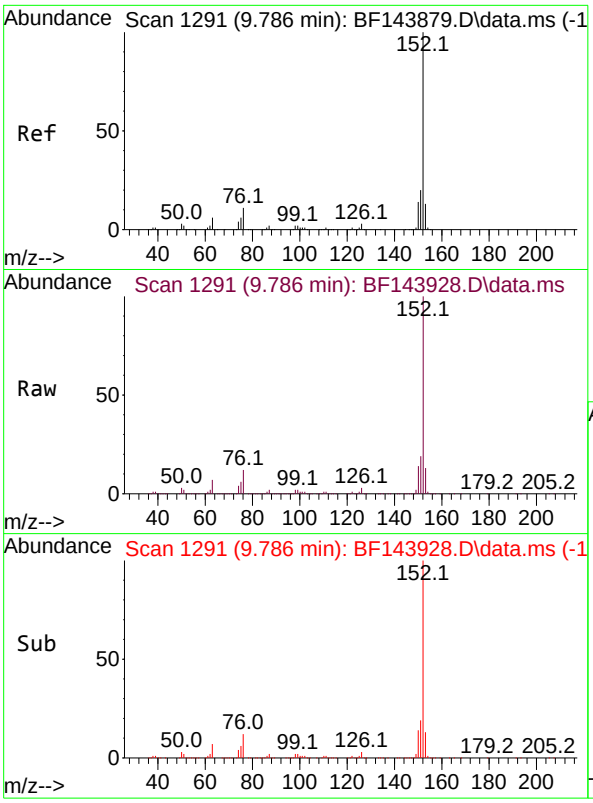


#48
2-Nitroaniline
Concen: 55.197 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 65 Resp: 198755

Ion	Ratio	Lower	Upper
65	100		
92	65.7	52.1	78.1
138	98.6	77.4	116.2

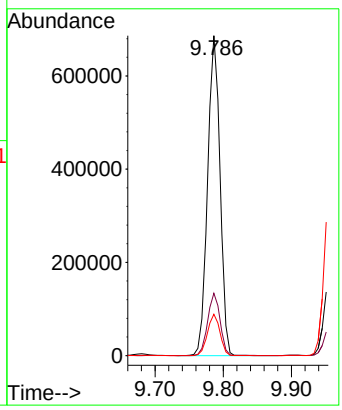




#49
Acenaphthylene
Concen: 54.326 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:152 Resp: 86986

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	12.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
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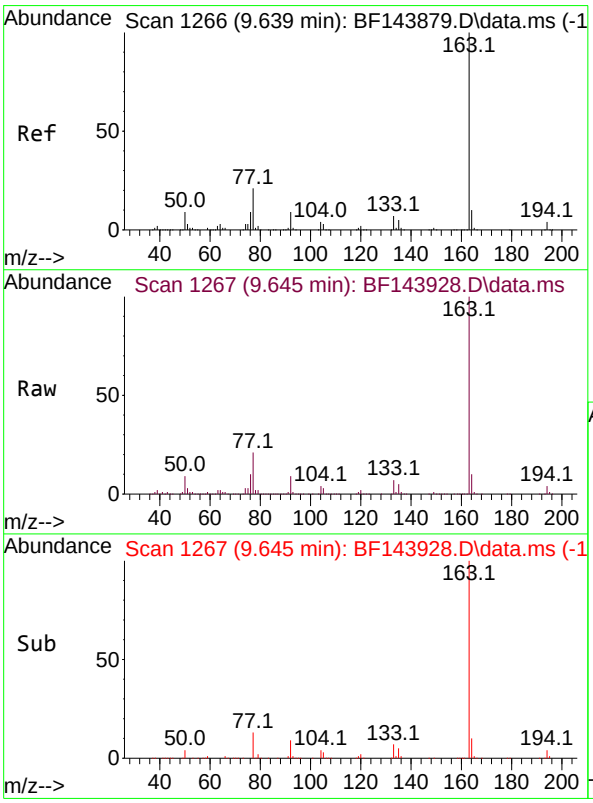
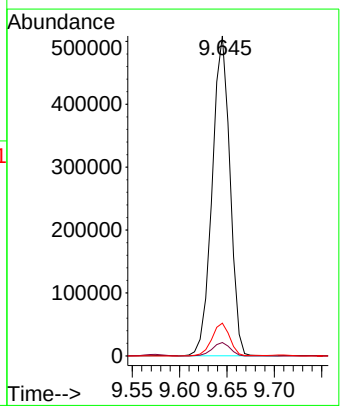
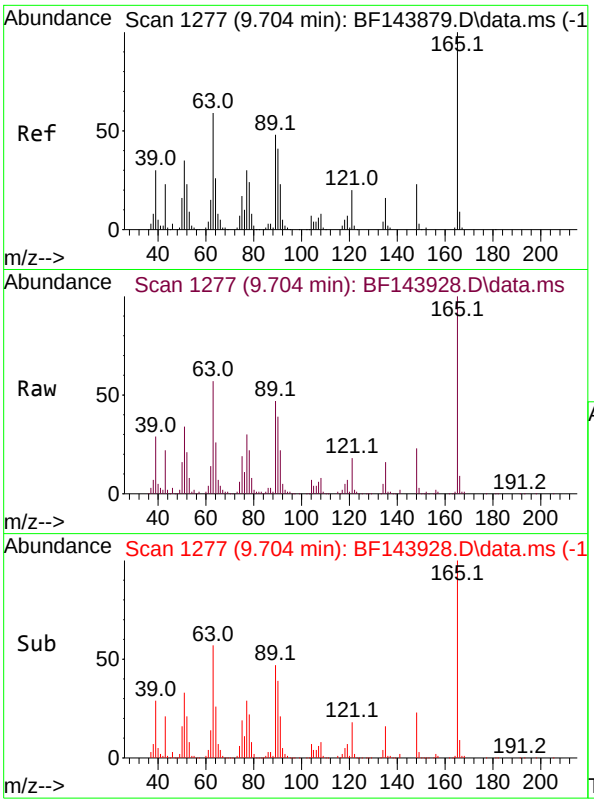


#50
Dimethylphthalate
Concen: 50.588 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:163 Resp: 662822

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.1	12.1

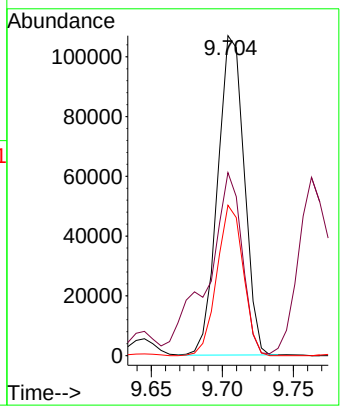




#51
2,6-Dinitrotoluene
Concen: 57.245 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:165 Resp: 13908

Ion	Ratio	Lower	Upper
165	100		
63	57.2	47.3	70.9
89	47.0	38.2	57.4



Instrument :
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ClientSampleId :
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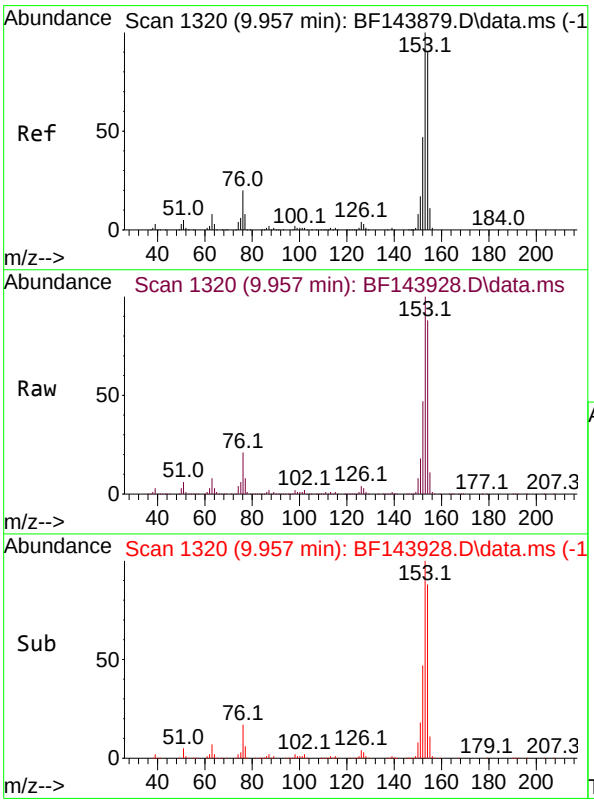
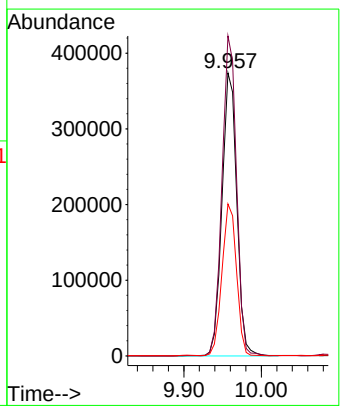
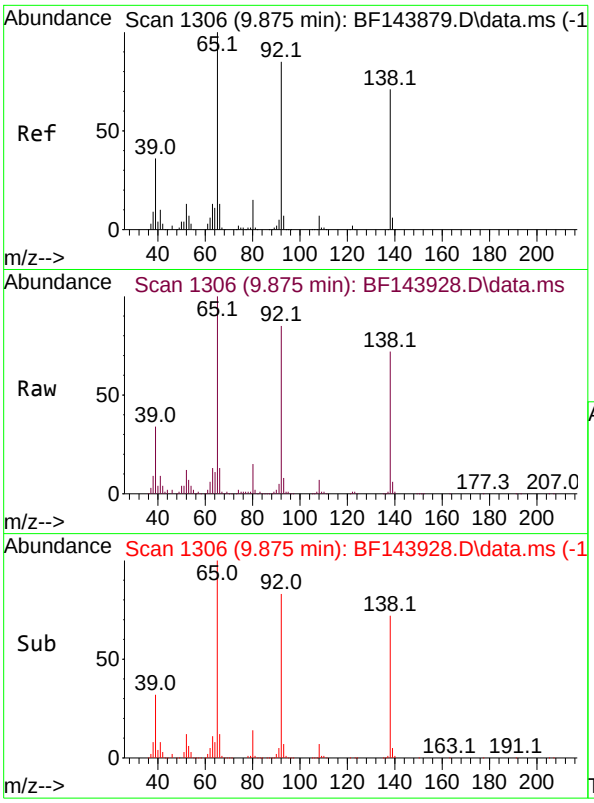


#52
Acenaphthene
Concen: 47.458 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:154 Resp: 497931

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.3	133.9
152	53.7	42.2	63.2

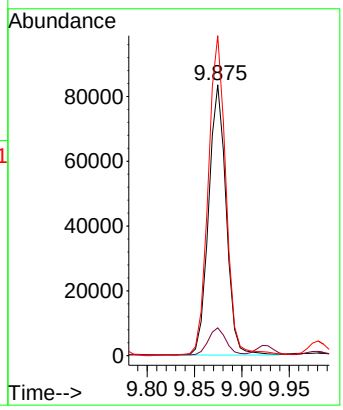




#53
3-Nitroaniline
Concen: 36.040 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:138 Resp: 10721

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.3	12.5
92	118.1	96.2	144.2



Instrument :
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ClientSampleId :
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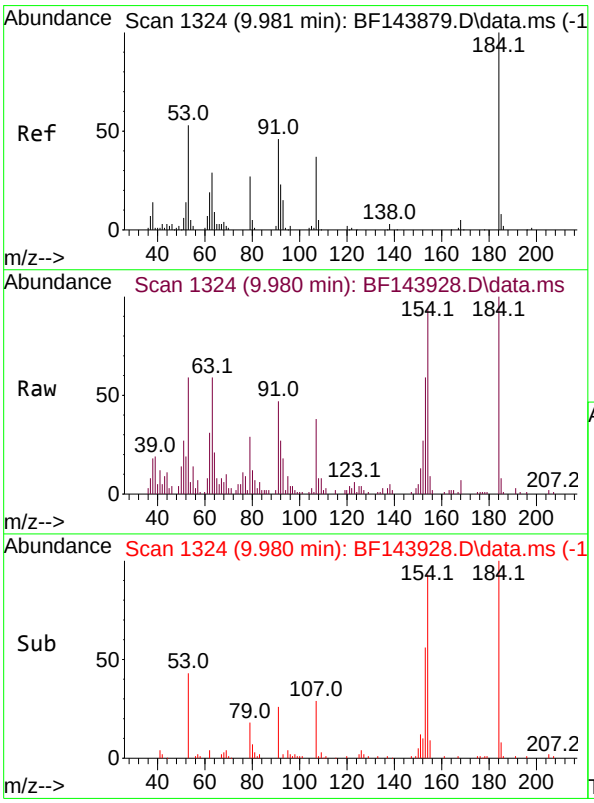
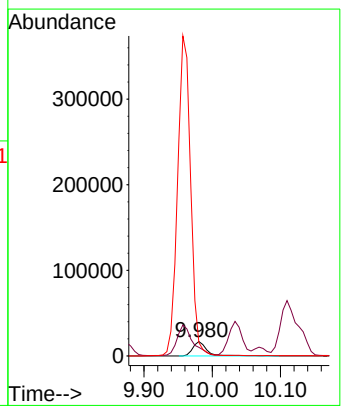
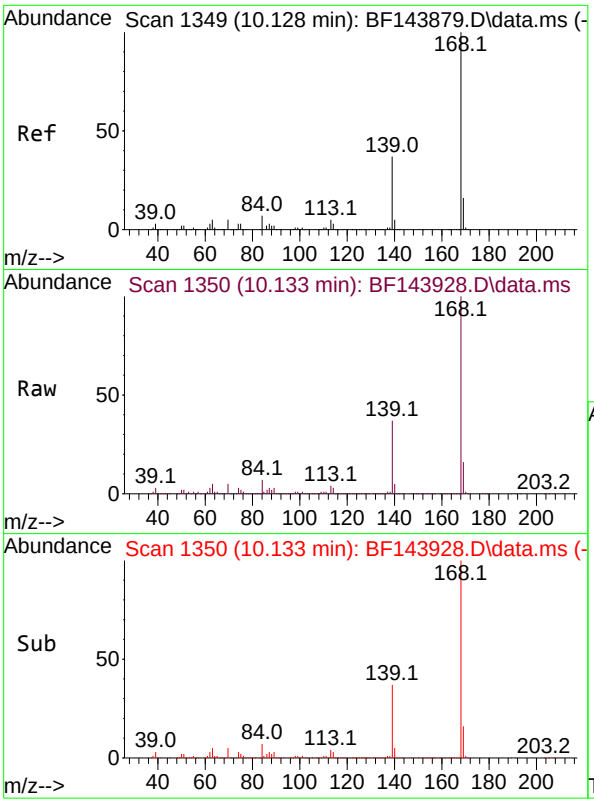


#54
2,4-Dinitrophenol
Concen: 21.281 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:184 Resp: 23533

Ion	Ratio	Lower	Upper
184	100		
63	59.3	48.2	72.4
154	93.7	49.2	73.8#

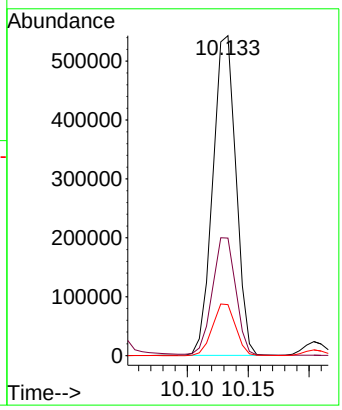




#55
Dibenzofuran
Concen: 48.516 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:168 Resp: 71855

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.8	44.8
169	15.9	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

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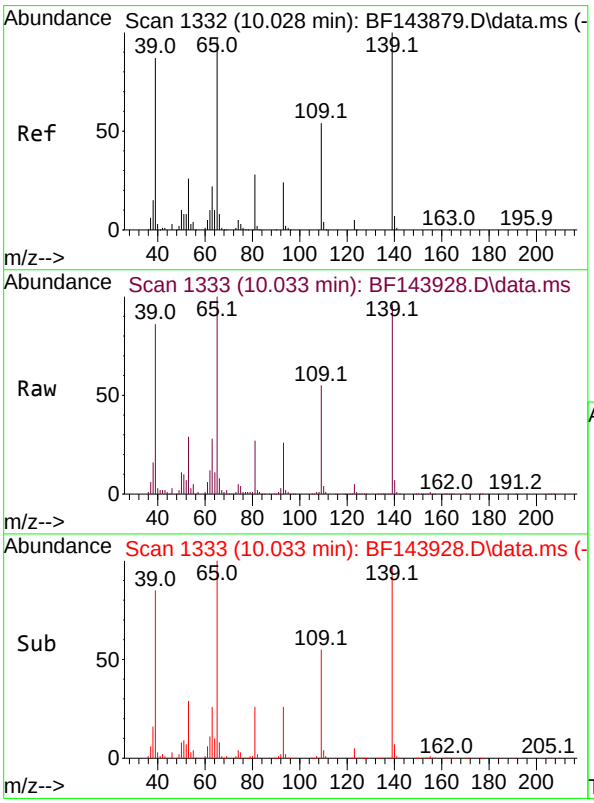
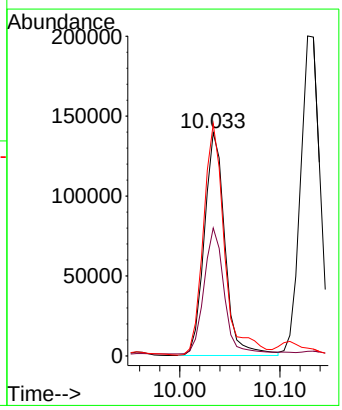
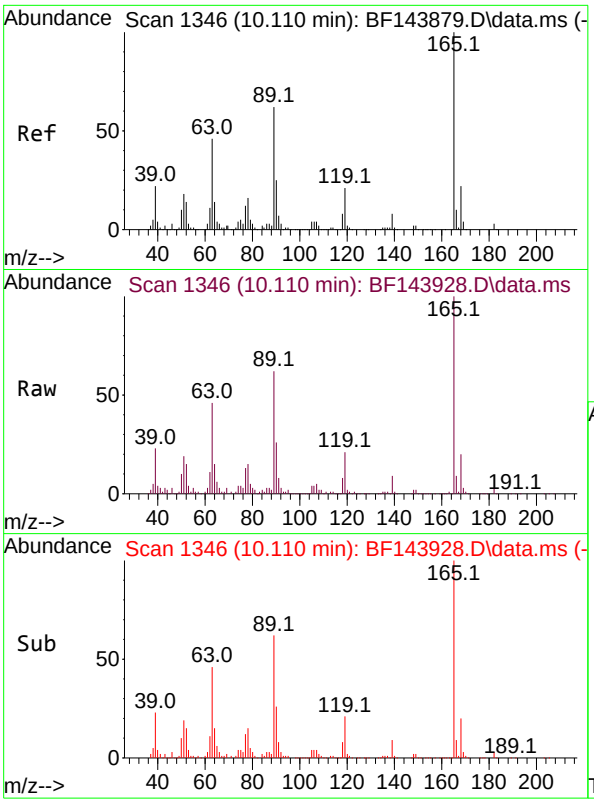


#56
4-Nitrophenol
Concen: 88.579 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:139 Resp: 199522

Ion	Ratio	Lower	Upper
139	100		
109	57.3	34.5	74.5
65	104.0	77.6	117.6

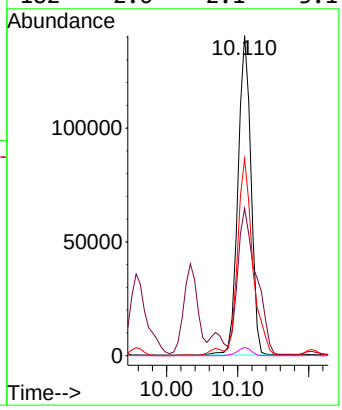




#57
2,4-Dinitrotoluene
Concen: 53.892 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:165 Resp: 17815

Ion	Ratio	Lower	Upper
165	100		
63	46.0	37.2	55.8
89	61.5	49.4	74.2
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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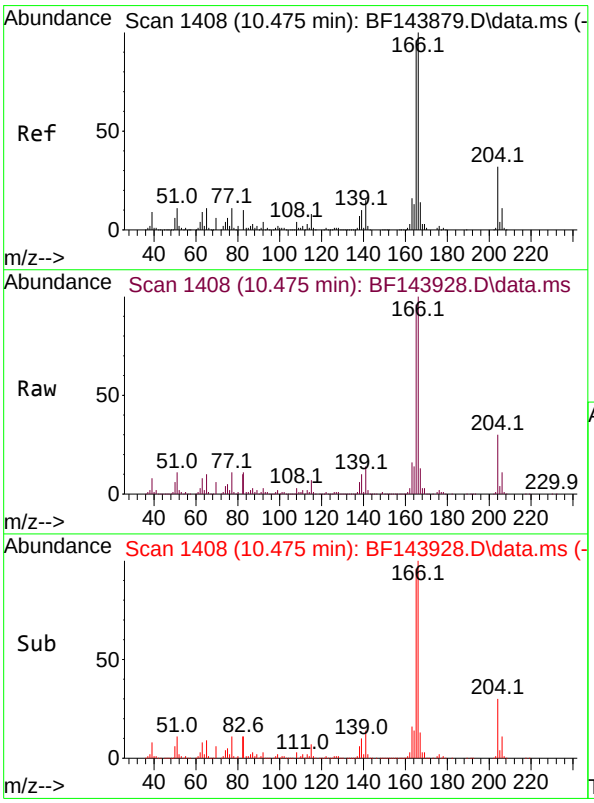
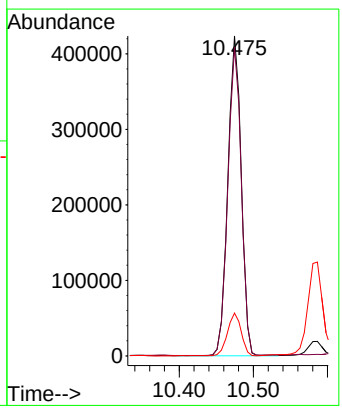
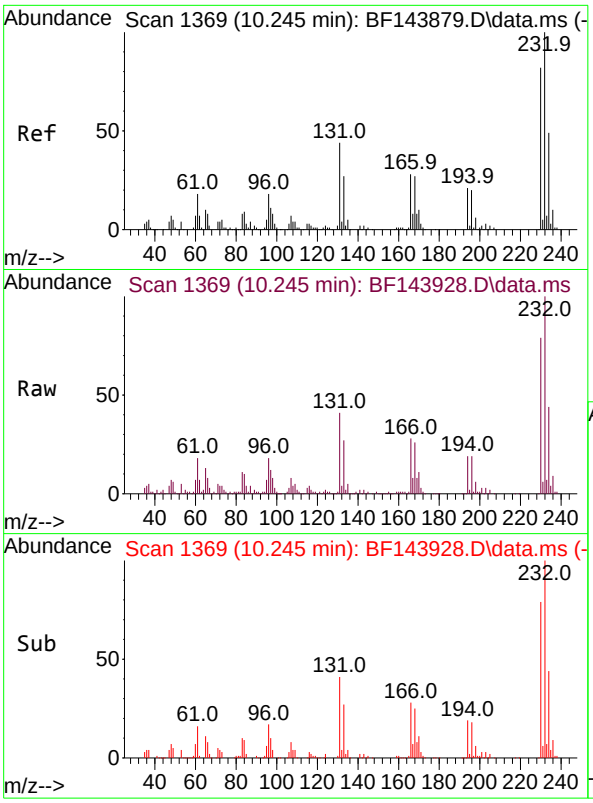


#58
Fluorene
Concen: 47.498 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:166 Resp: 530817

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.0	115.6
167	13.4	11.1	16.7

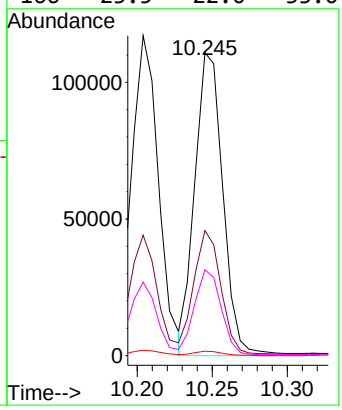




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.460 ng m
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:232 Resp: 14480

Ion	Ratio	Lower	Upper
232	100		
131	39.4	34.9	52.3
130	2.0	1.6	2.4
166	23.5	22.0	33.0



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ClientSampleId :
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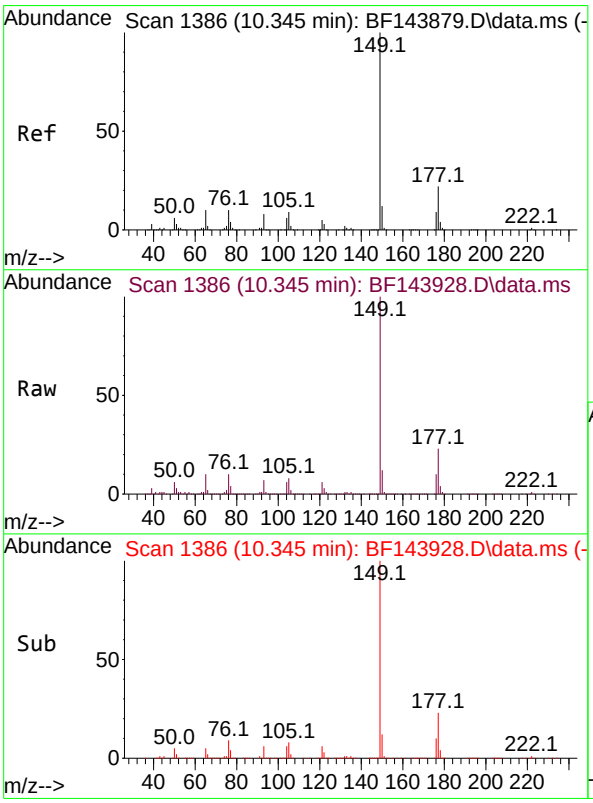
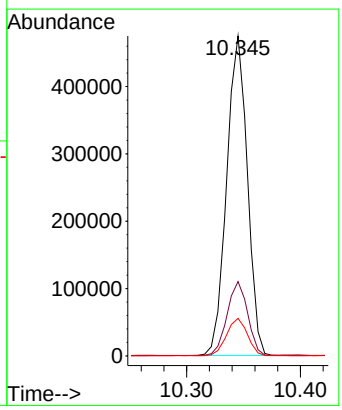
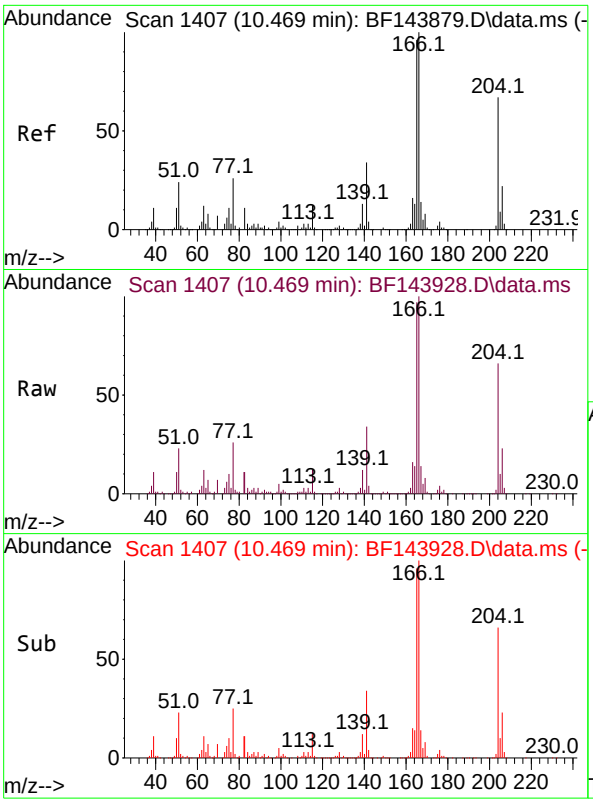


#60
Diethylphthalate
Concen: 49.333 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:149 Resp: 600486

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	11.7	9.8	14.8

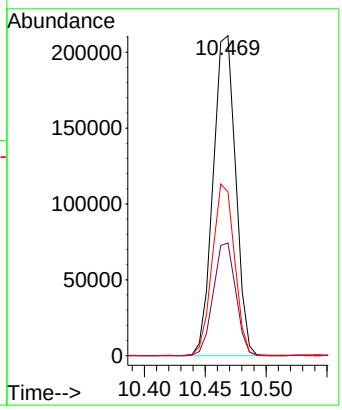




#61
4-Chlorophenyl-phenylether
Concen: 45.952 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:204 Resp: 271508

Ion	Ratio	Lower	Upper
204	100		
206	35.2	26.6	40.0
141	51.2	40.4	60.6



Instrument :
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ClientSampleId :
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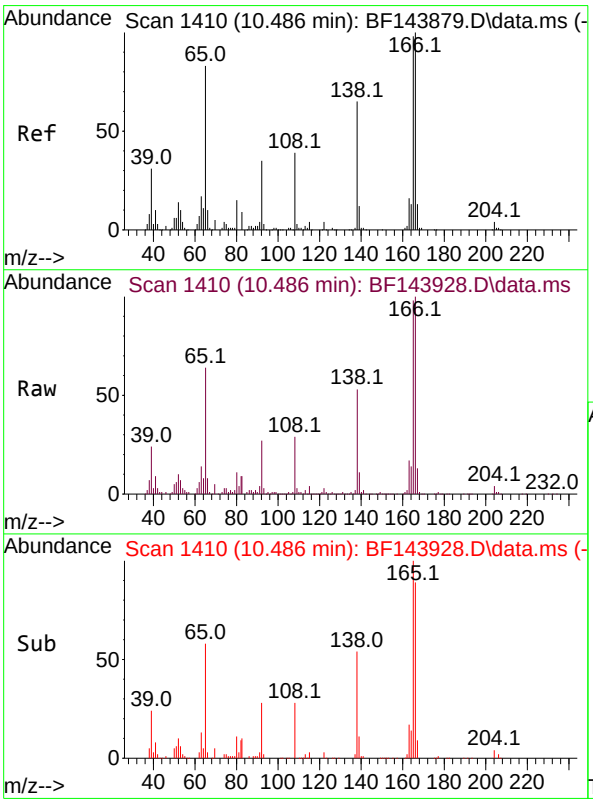
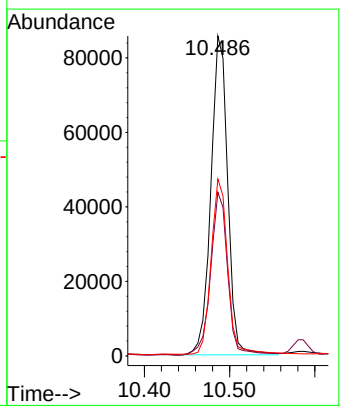
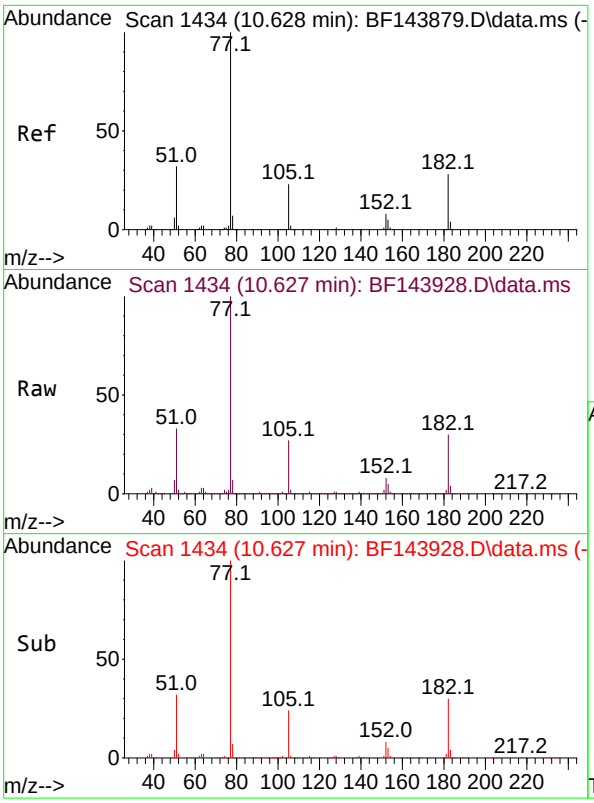


#62
4-Nitroaniline
Concen: 41.026 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:138 Resp: 117365

Ion	Ratio	Lower	Upper
138	100		
92	51.1	33.9	73.9
108	55.3	40.2	80.2

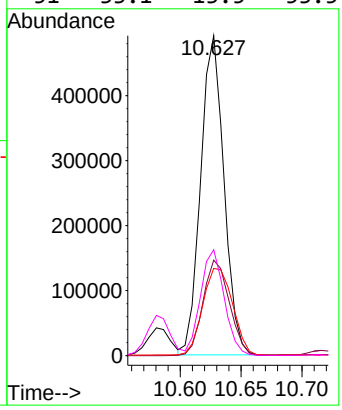




#63
Azobenzene
Concen: 51.414 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion: 77 Resp: 654068

Ion	Ratio	Lower	Upper
77	100		
182	29.8	7.3	47.3
105	27.2	3.0	43.0
51	33.1	13.5	53.5



Instrument :
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ClientSampleId :
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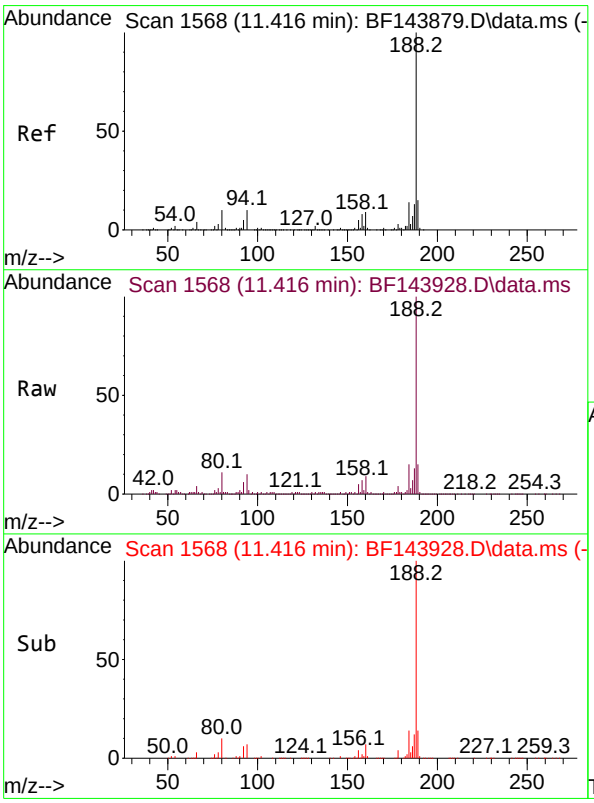
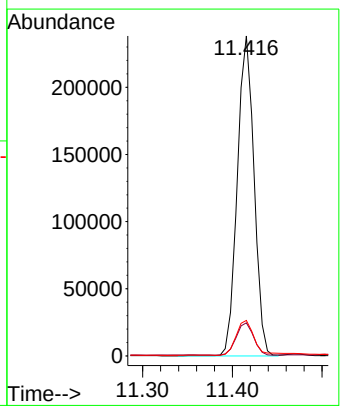
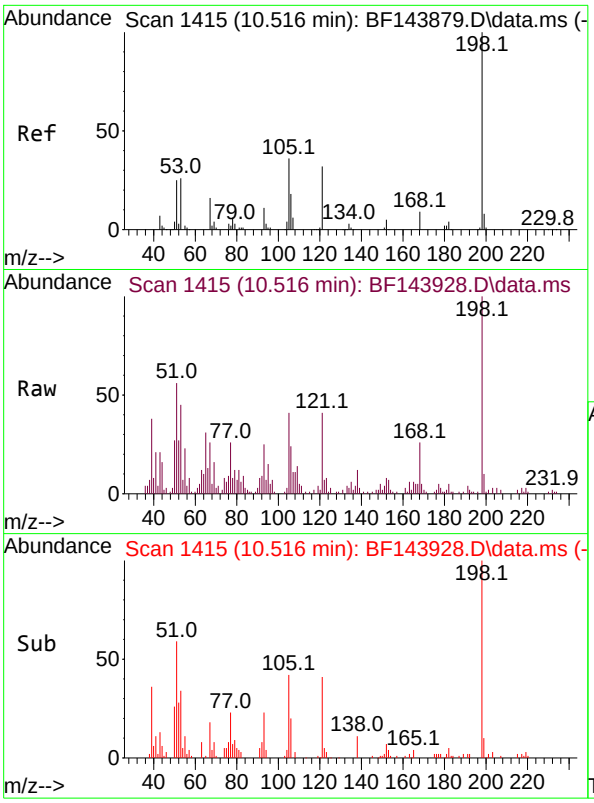


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:188 Resp: 308746

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	11.1	7.9	11.9

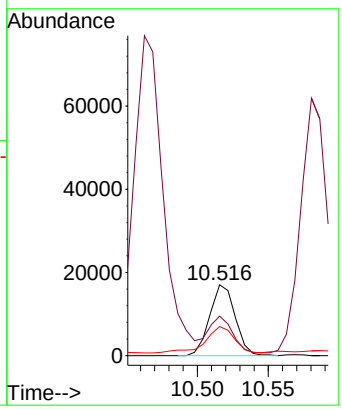




#65
4,6-Dinitro-2-methylphenol
Concen: 13.688 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:198 Resp: 2123

Ion	Ratio	Lower	Upper
198	100		
51	55.8	33.8	73.8
105	41.1	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
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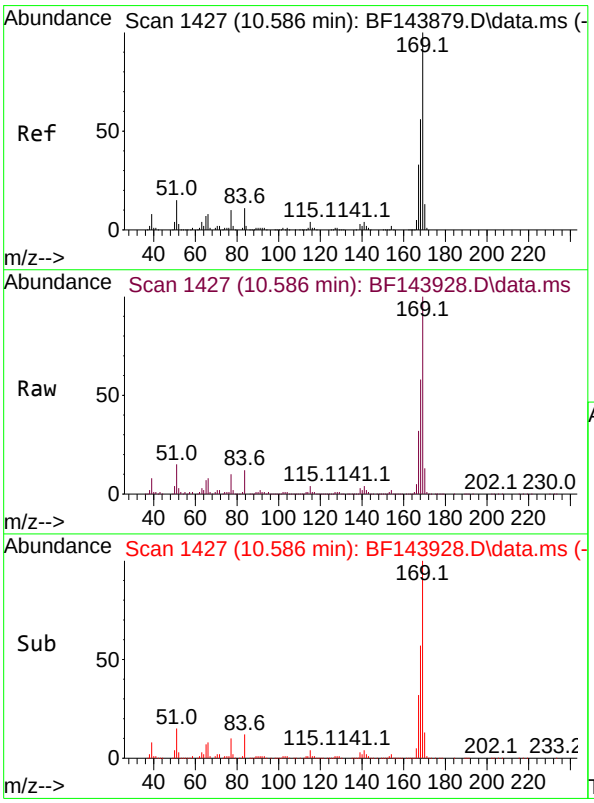
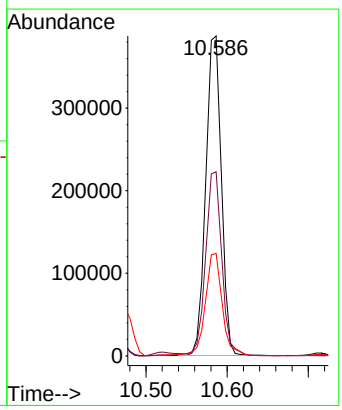
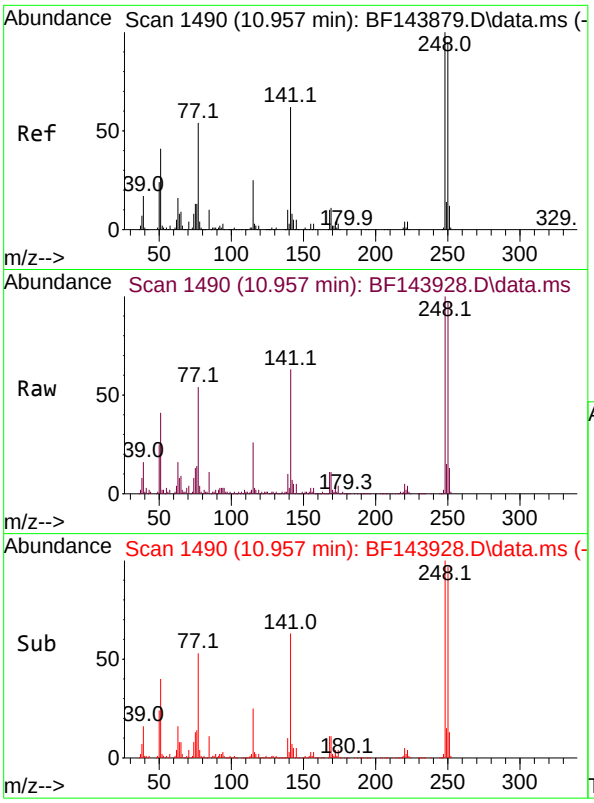


#66
n-Nitrosodiphenylamine
Concen: 53.198 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:169 Resp: 515716

Ion	Ratio	Lower	Upper
169	100		
168	57.5	44.9	67.3
167	32.0	26.3	39.5

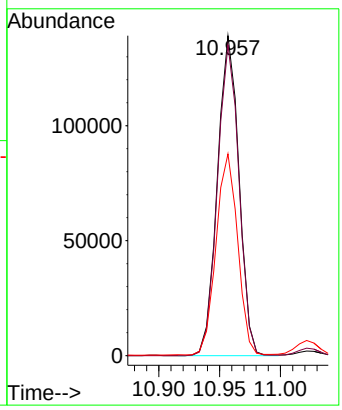




#67
4-Bromophenyl-phenylether
Concen: 50.316 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:248 Resp: 17168

Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.3	114.5
141	63.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
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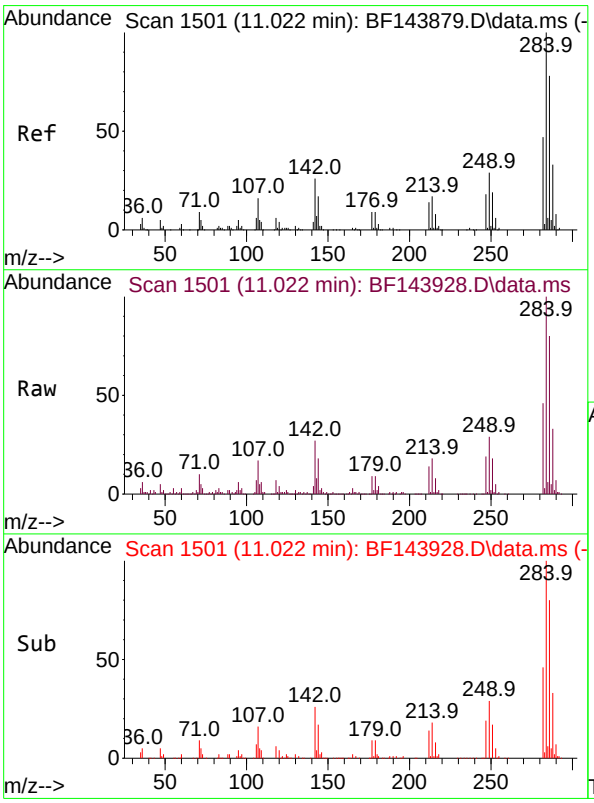
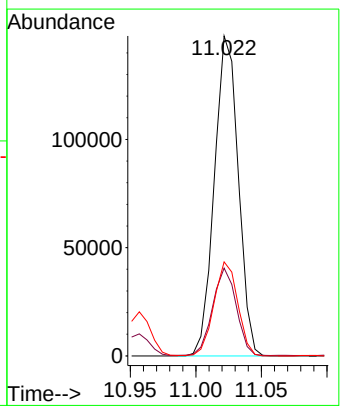
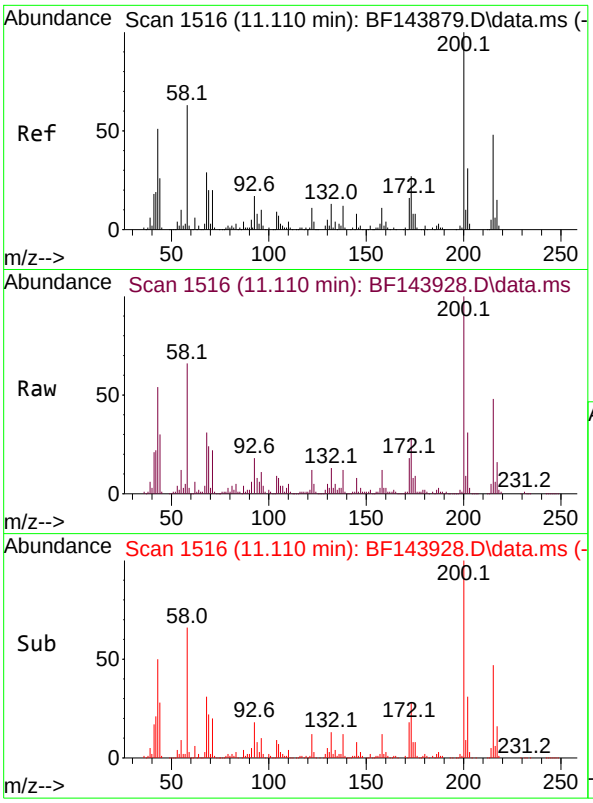


#68
Hexachlorobenzene
Concen: 47.606 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:284 Resp: 188054

Ion	Ratio	Lower	Upper
284	100		
142	27.4	20.6	30.8
249	29.4	23.2	34.8

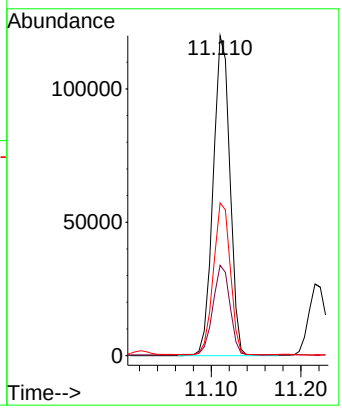




#69
Atrazine
Concen: 52.947 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:200 Resp: 15557

Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.0	47.0
215	47.7	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
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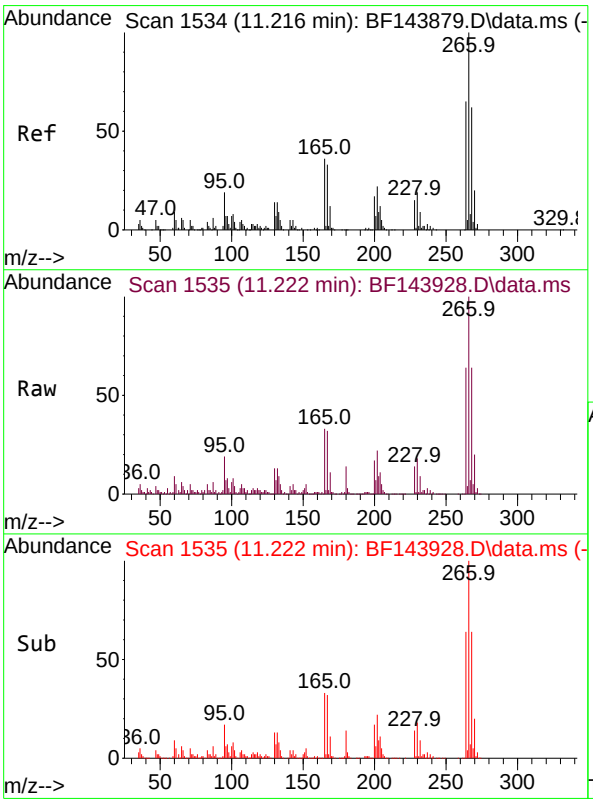
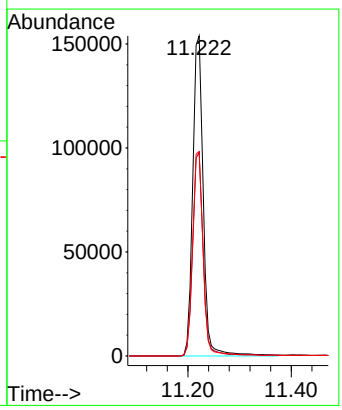
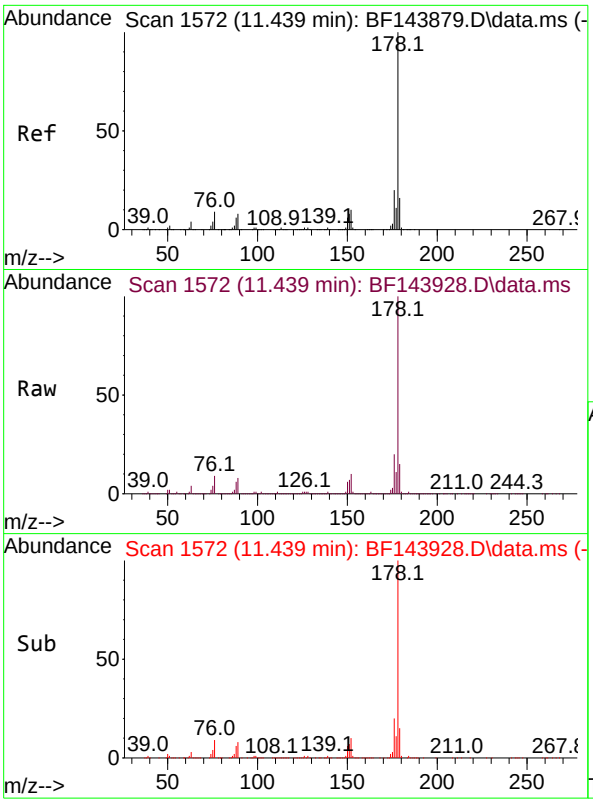


#70
Pentachlorophenol
Concen: 95.798 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:266 Resp: 217340

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.4	74.0
264	63.9	51.8	77.6

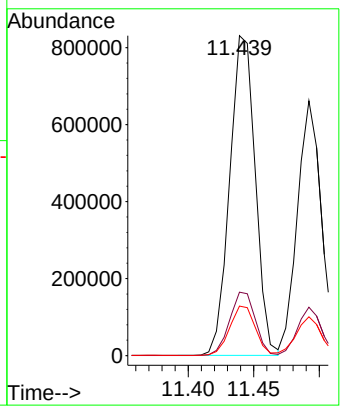




#71
Phenanthrene
Concen: 75.417 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:178 Resp: 112885

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.5	12.4	18.6



Instrument :
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ClientSampleId :
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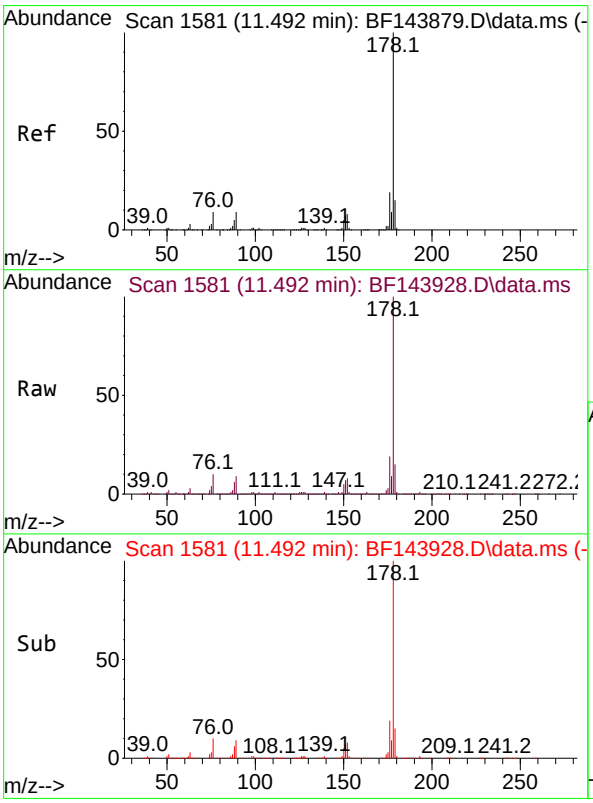
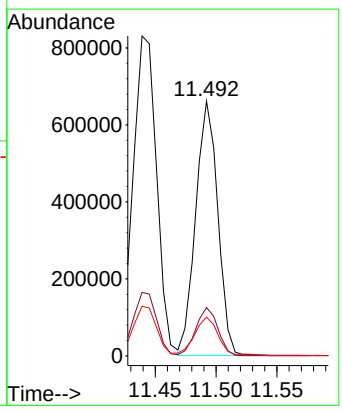
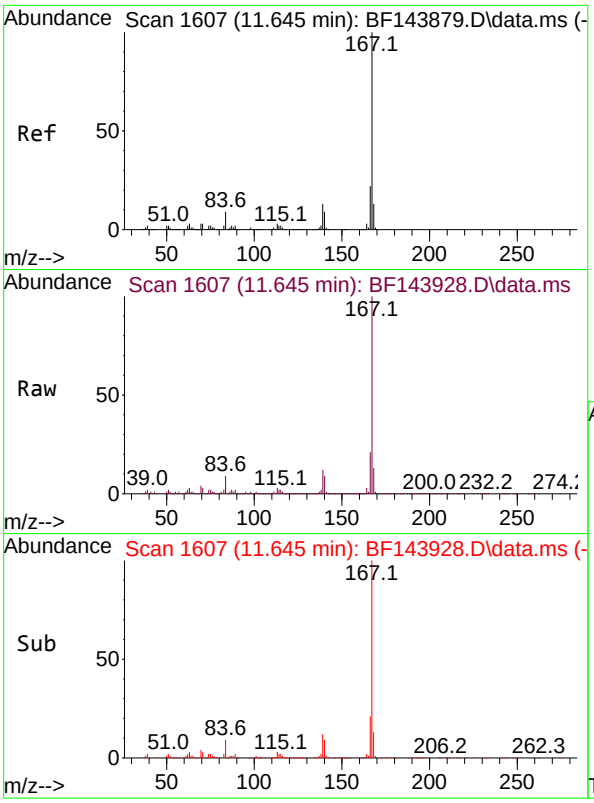


#72
Anthracene
Concen: 55.112 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:178 Resp: 833372

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.2	12.2	18.2

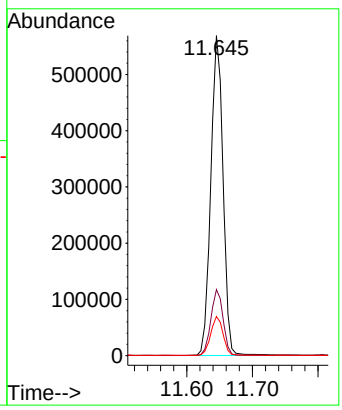




#73
Carbazole
Concen: 55.225 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:167 Resp: 739600

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.2	25.8
139	12.2	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
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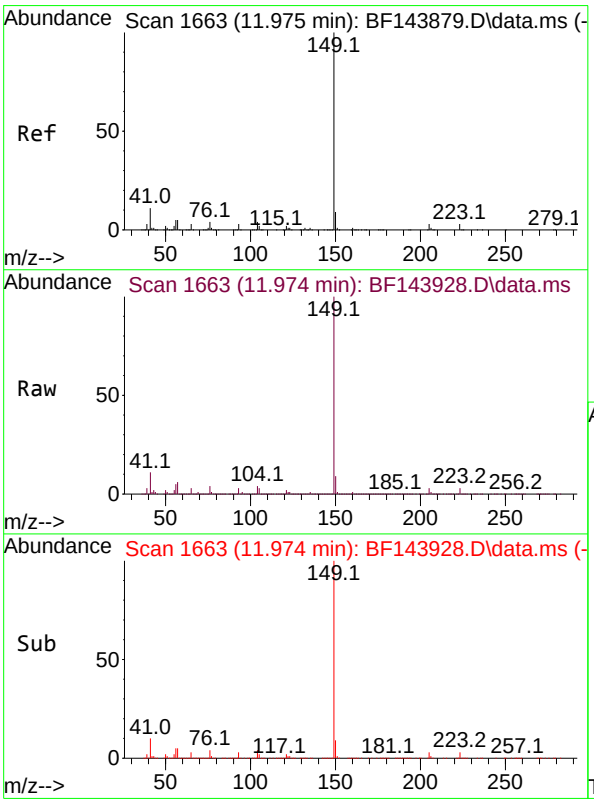
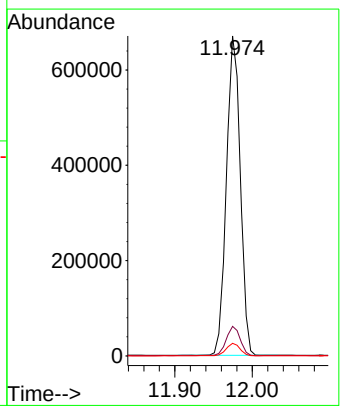
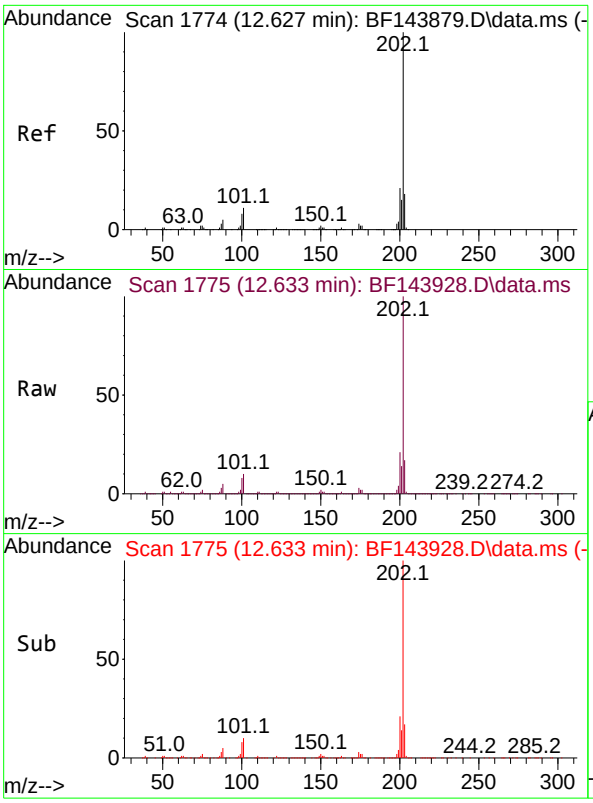


#74
Di-n-butylphthalate
Concen: 53.855 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:149 Resp: 835911

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	3.9	3.4	5.2

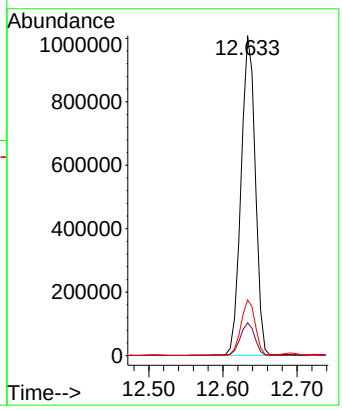




#75
Fluoranthene
Concen: 87.019 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:202 Resp: 134540

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.7
203	17.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

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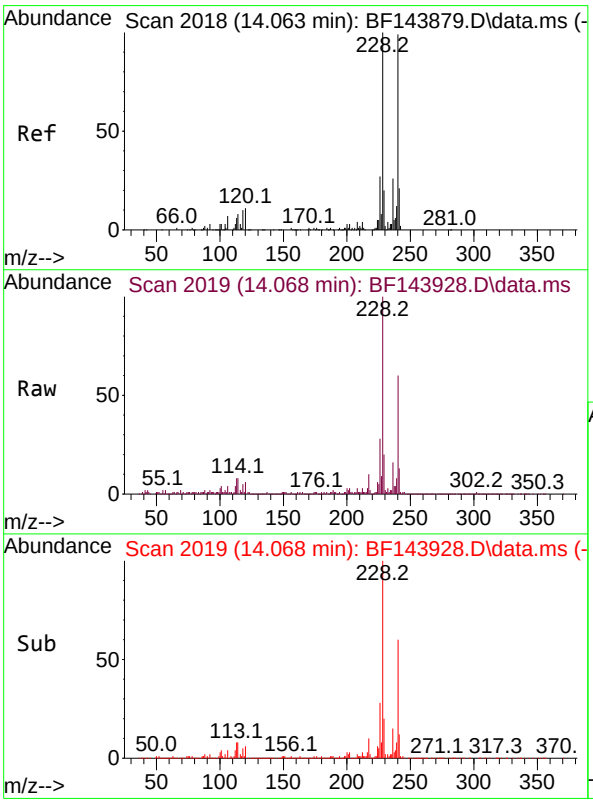
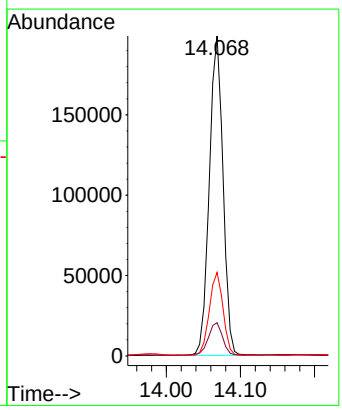
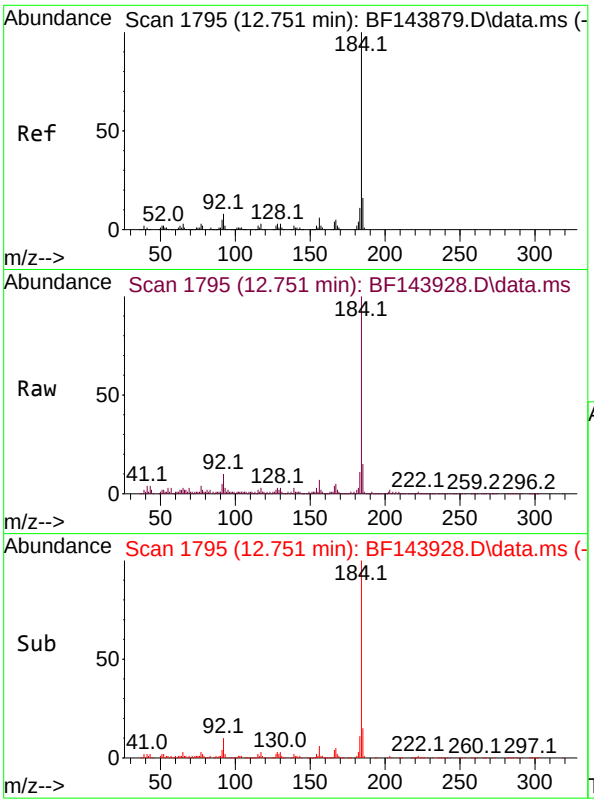


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:240 Resp: 255306

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	13.0
236	26.1	21.1	31.7

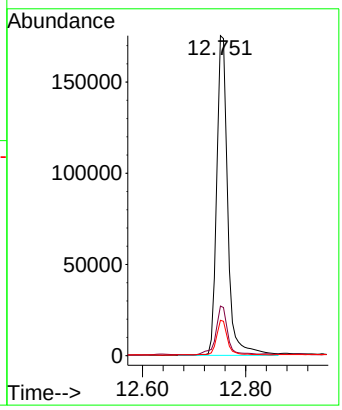




#77
Benzidine
Concen: 29.437 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:184 Resp: 26095

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
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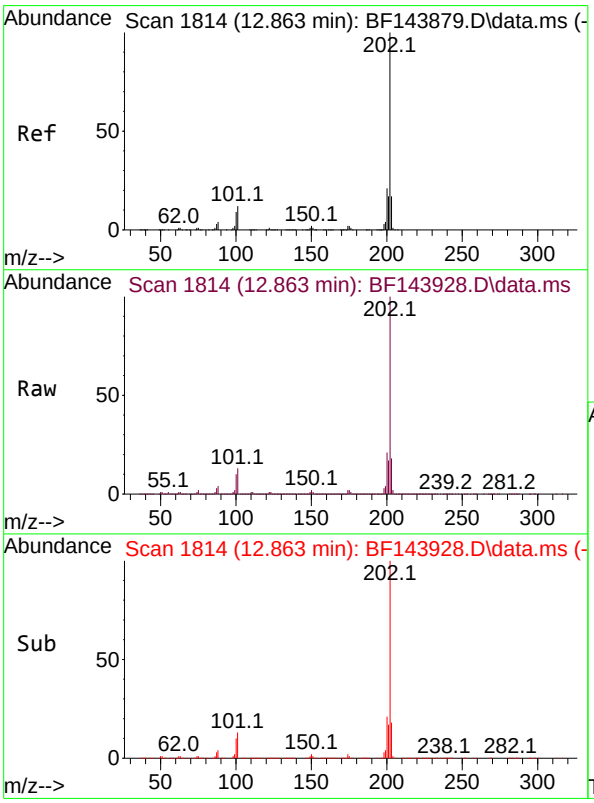
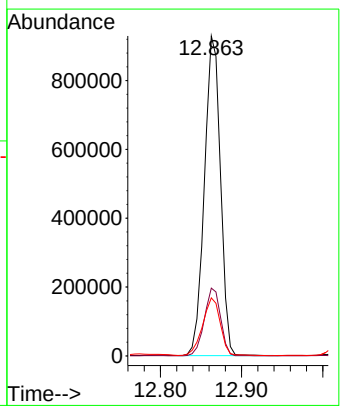
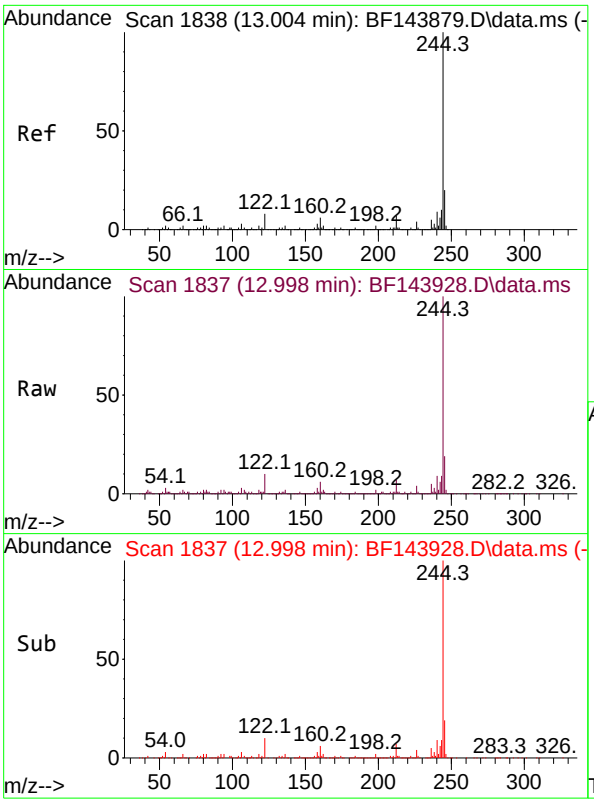


#78
Pyrene
Concen: 59.995 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:202 Resp: 1276972

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	18.1	13.8	20.6

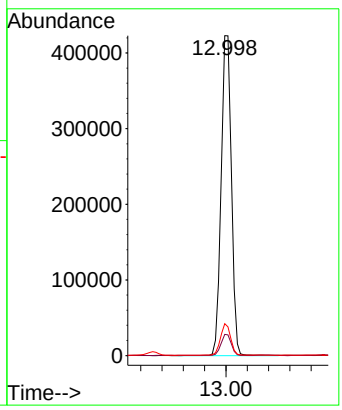




#79
Terphenyl-d14
Concen: 37.758 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:244 Resp: 56404

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	6.4	9.6#



Instrument :
BNA_F
ClientSampleId :
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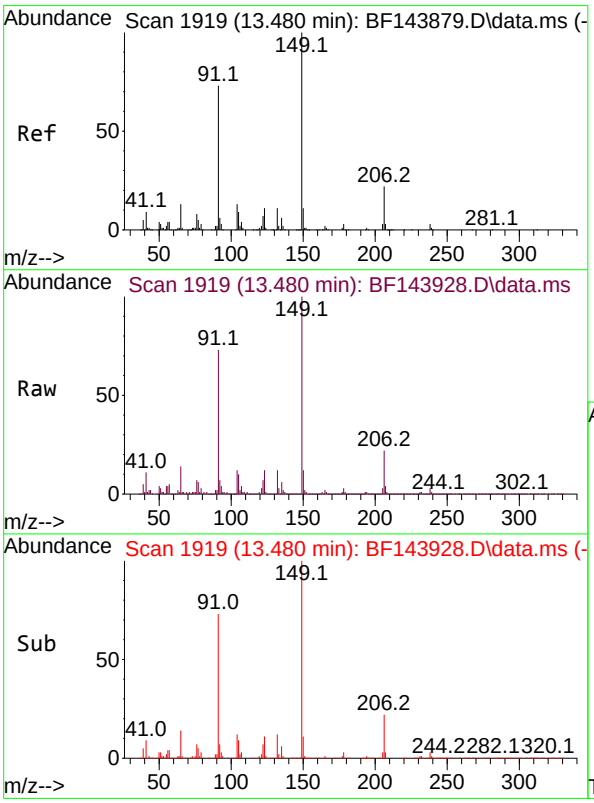
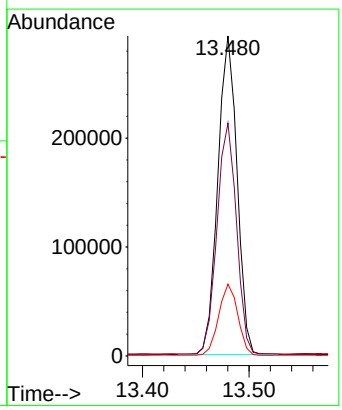
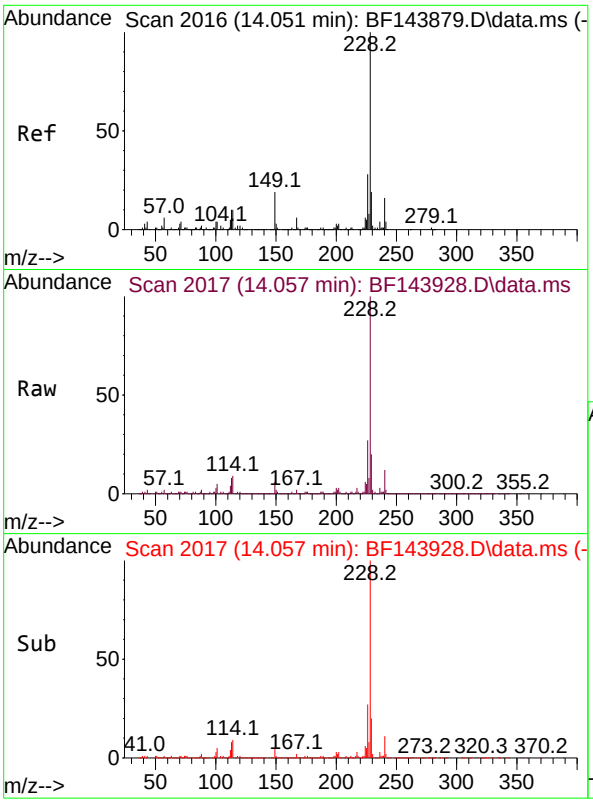


#80
Butylbenzylphthalate
Concen: 53.370 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:149 Resp: 368922

Ion	Ratio	Lower	Upper
149	100		
91	72.7	58.2	87.2
206	22.4	17.9	26.9

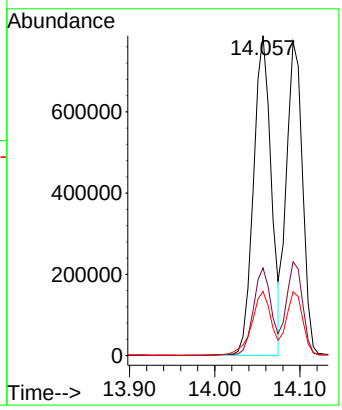




#81
Benzo(a)anthracene
Concen: 68.405 ng
RT: 14.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:228 Resp: 114287

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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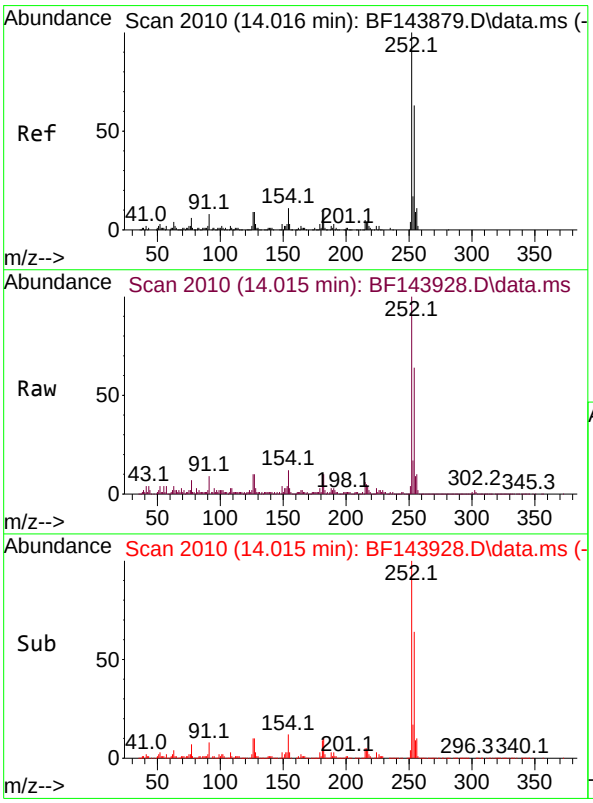
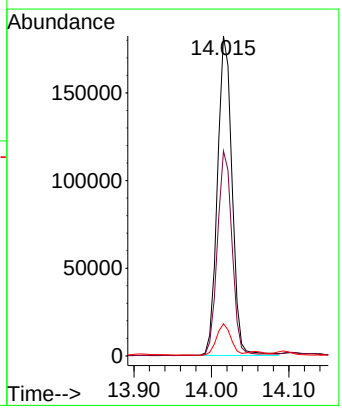
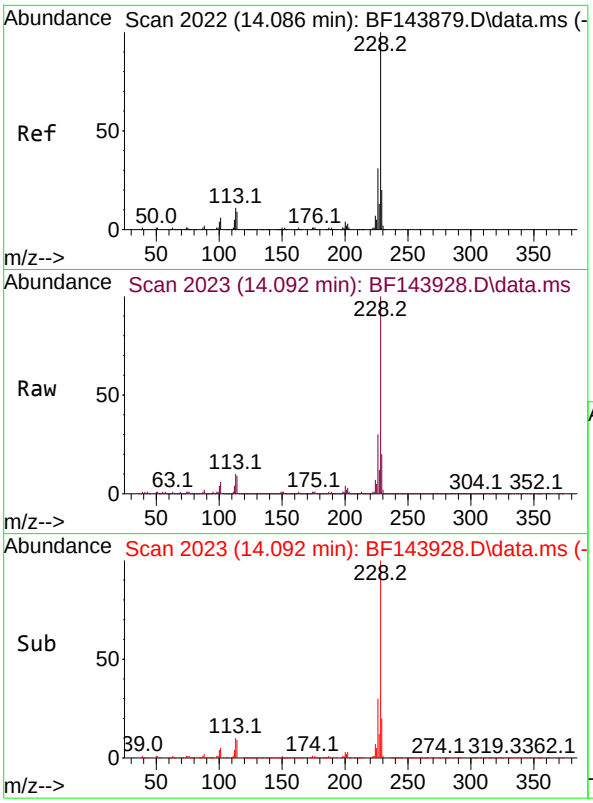


#82
3,3'-Dichlorobenzidine
Concen: 46.826 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:252 Resp: 238418

Ion	Ratio	Lower	Upper
252	100		
254	64.0	50.6	76.0
126	10.0	7.0	10.6

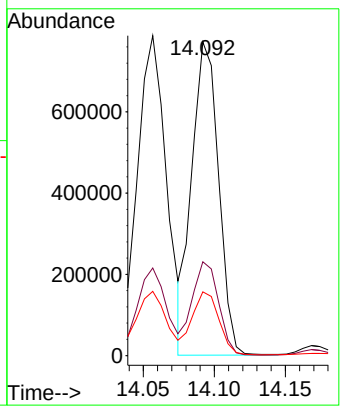




#83
Chrysene
Concen: 65.399 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:228 Resp: 101126

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	20.3	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

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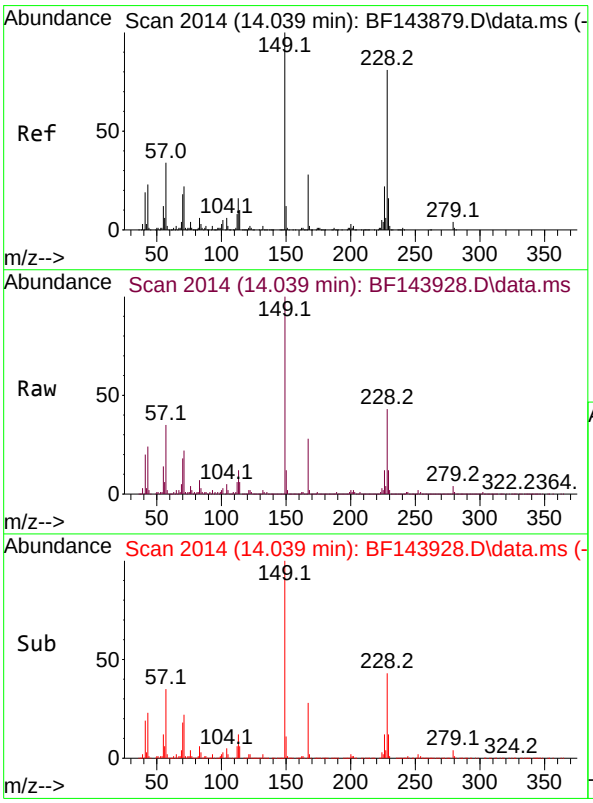
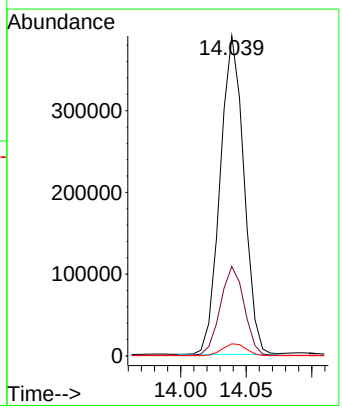
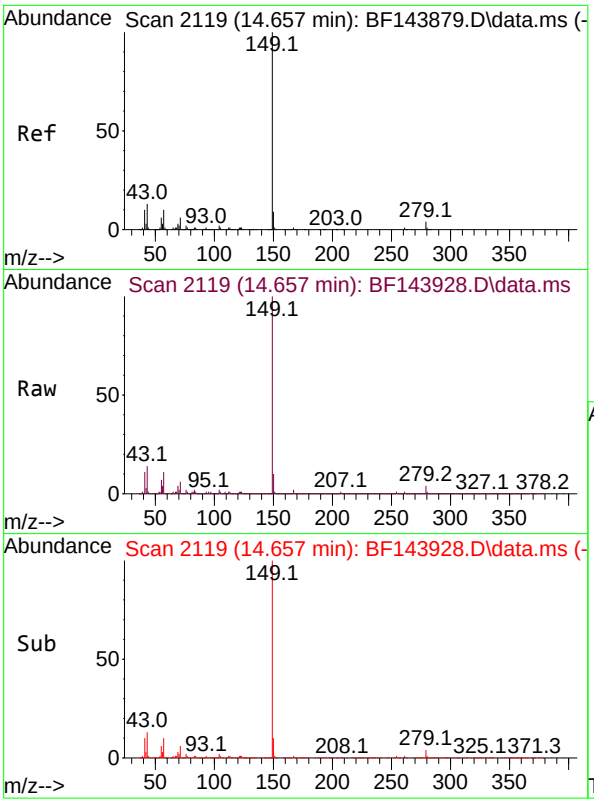


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.034 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:149 Resp: 491915

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.4
279	3.8	3.1	4.7

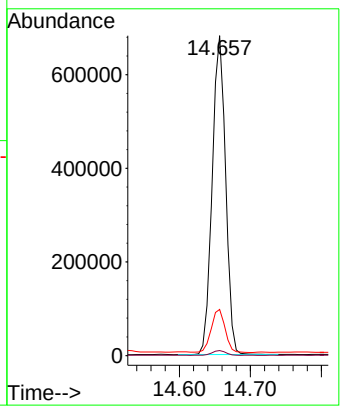




#85
Di-n-octyl phthalate
Concen: 65.348 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:149 Resp: 89435

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

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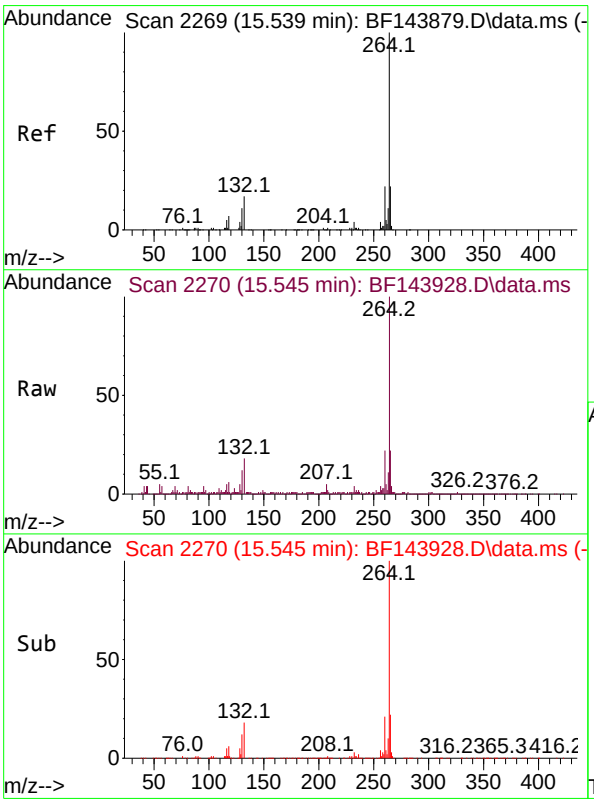
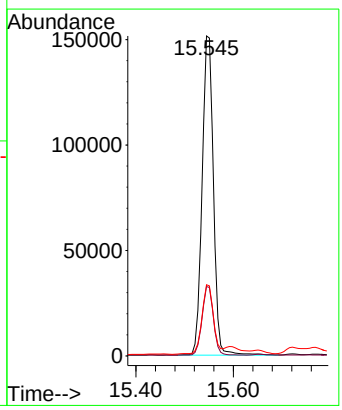
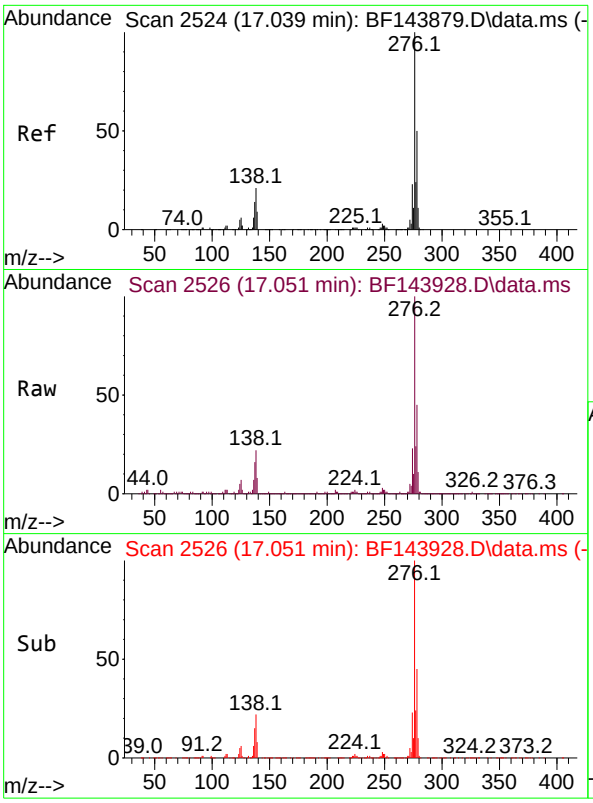


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:264 Resp: 243905

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.8	26.8
265	22.2	17.5	26.3

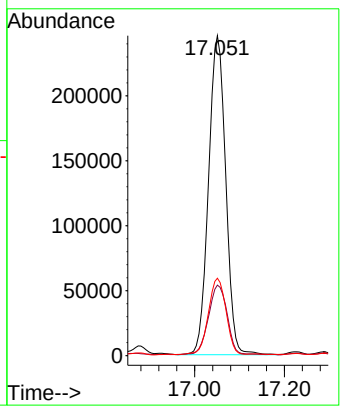




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.703 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:276 Resp: 65315

Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.2	27.2
277	24.3	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
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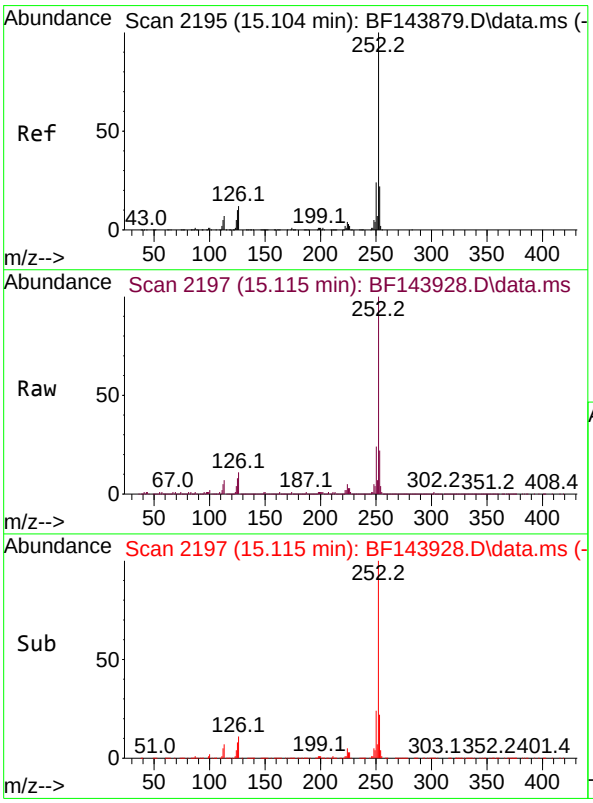
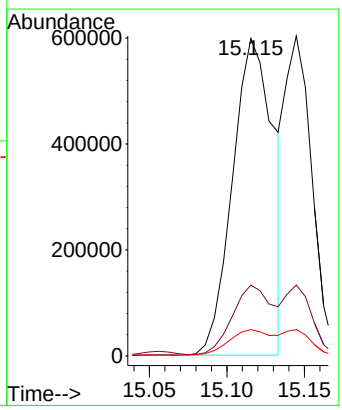
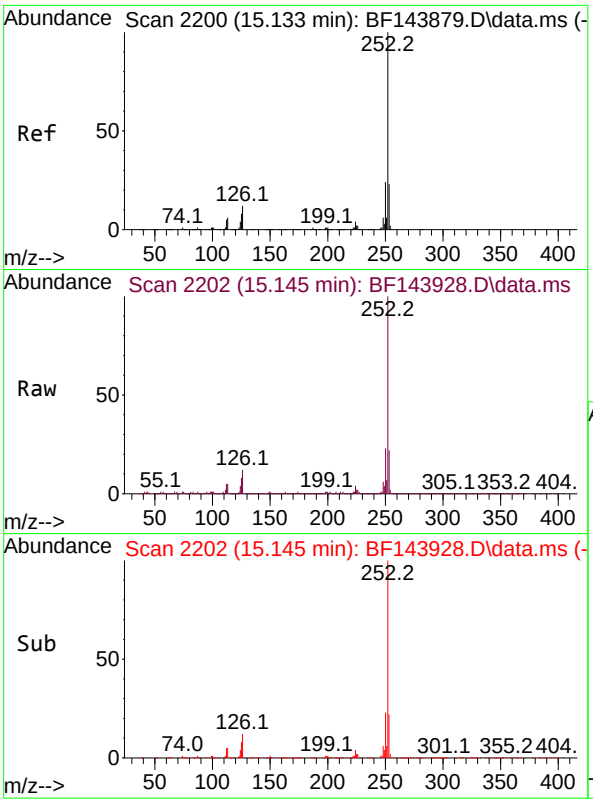


#88
Benzo(b)fluoranthene
Concen: 78.601 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:252 Resp: 1101256

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	8.3	7.8	11.6

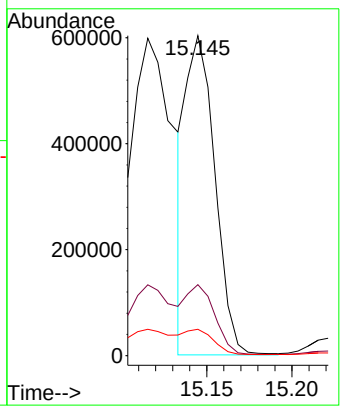




#89
Benzo(k)fluoranthene
Concen: 55.399 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:252 Resp: 71821

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	8.2	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
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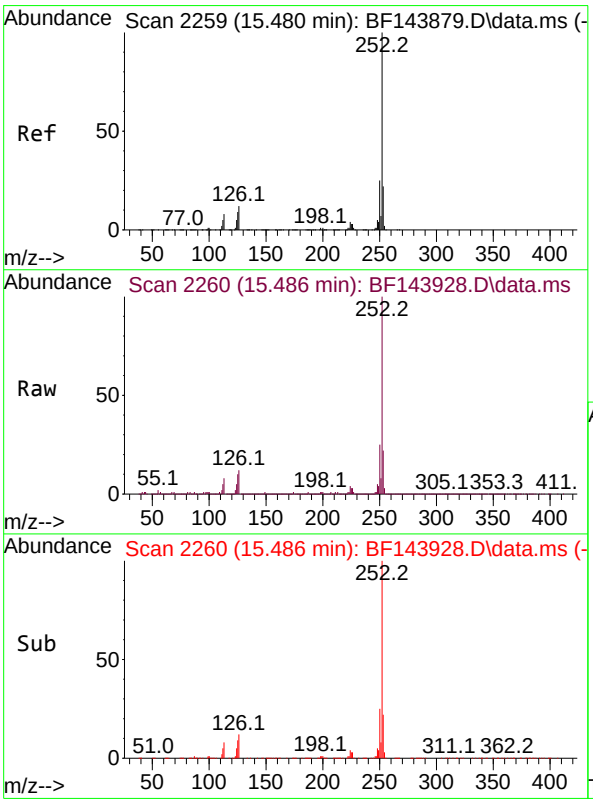
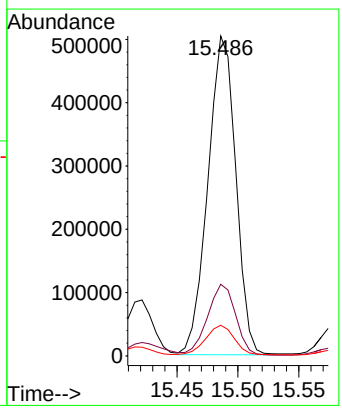
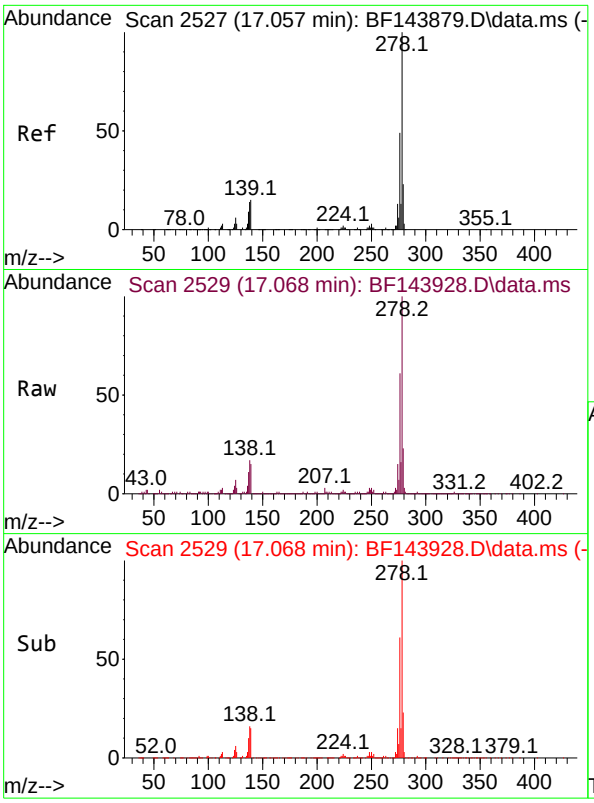


#90
Benzo(a)pyrene
Concen: 66.317 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:252 Resp: 805657

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	9.6	7.0	10.4

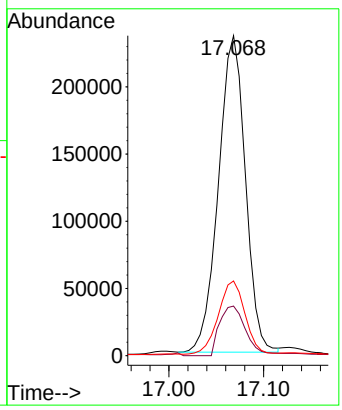




#91
Dibenzo(a,h)anthracene
Concen: 38.811 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:278 Resp: 46649

Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.7	17.5
279	23.3	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

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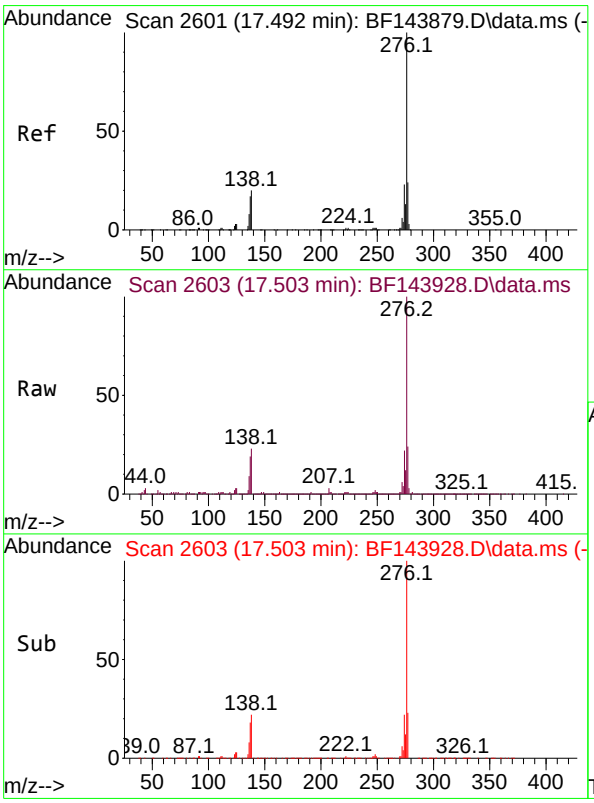
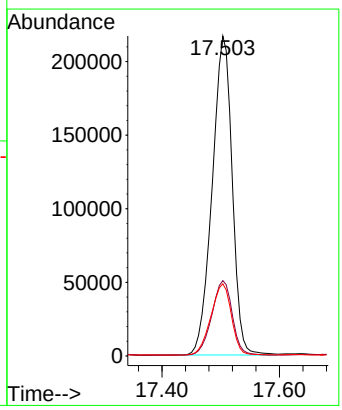


#92
Benzo(g,h,i)perylene
Concen: 42.695 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Tgt Ion:276 Resp: 513188

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	22.5	16.1	24.1



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1500		1	240	500	ug/Kg	10/10/25 17:18	PB170055
108-95-2	Phenol	2400		1	33.8	260	ug/Kg	10/10/25 17:18	PB170055
111-44-4	bis(2-Chloroethyl)ether	2300		1	37.2	260	ug/Kg	10/10/25 17:18	PB170055
95-57-8	2-Chlorophenol	2300		1	37.3	260	ug/Kg	10/10/25 17:18	PB170055
95-48-7	2-Methylphenol	2300		1	45.7	260	ug/Kg	10/10/25 17:18	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	57.4	260	ug/Kg	10/10/25 17:18	PB170055
98-86-2	Acetophenone	2500		1	45.1	260	ug/Kg	10/10/25 17:18	PB170055
65794-96-9	3+4-Methylphenols	2200		1	62.9	500	ug/Kg	10/10/25 17:18	PB170055
621-64-7	n-Nitroso-di-n-propylamine	2200		1	72.5	120	ug/Kg	10/10/25 17:18	PB170055
67-72-1	Hexachloroethane	2200		1	26.9	260	ug/Kg	10/10/25 17:18	PB170055
98-95-3	Nitrobenzene	2500		1	28.0	260	ug/Kg	10/10/25 17:18	PB170055
78-59-1	Isophorone	2400		1	50.2	260	ug/Kg	10/10/25 17:18	PB170055
88-75-5	2-Nitrophenol	2600		1	89.0	260	ug/Kg	10/10/25 17:18	PB170055
105-67-9	2,4-Dimethylphenol	2600		1	99.1	260	ug/Kg	10/10/25 17:18	PB170055
111-91-1	bis(2-Chloroethoxy)methane	2300		1	47.1	260	ug/Kg	10/10/25 17:18	PB170055
120-83-2	2,4-Dichlorophenol	2300		1	43.3	260	ug/Kg	10/10/25 17:18	PB170055
91-20-3	Naphthalene	2400		1	34.7	260	ug/Kg	10/10/25 17:18	PB170055
106-47-8	4-Chloroaniline	900		1	54.2	260	ug/Kg	10/10/25 17:18	PB170055
87-68-3	Hexachlorobutadiene	2300		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
105-60-2	Caprolactam	2300		1	79.7	500	ug/Kg	10/10/25 17:18	PB170055
59-50-7	4-Chloro-3-methylphenol	2200		1	43.9	260	ug/Kg	10/10/25 17:18	PB170055
91-57-6	2-Methylnaphthalene	2100		1	39.2	260	ug/Kg	10/10/25 17:18	PB170055
77-47-4	Hexachlorocyclopentadiene	2200		1	180	500	ug/Kg	10/10/25 17:18	PB170055
88-06-2	2,4,6-Trichlorophenol	2400		1	30.3	260	ug/Kg	10/10/25 17:18	PB170055
95-95-4	2,4,5-Trichlorophenol	2300		1	44.5	260	ug/Kg	10/10/25 17:18	PB170055
92-52-4	1,1-Biphenyl	2800		1	33.4	260	ug/Kg	10/10/25 17:18	PB170055
91-58-7	2-Chloronaphthalene	2400		1	34.4	260	ug/Kg	10/10/25 17:18	PB170055
88-74-4	2-Nitroaniline	2800		1	73.6	260	ug/Kg	10/10/25 17:18	PB170055
131-11-3	Dimethylphthalate	2500		1	41.5	260	ug/Kg	10/10/25 17:18	PB170055
208-96-8	Acenaphthylene	2700		1	44.2	260	ug/Kg	10/10/25 17:18	PB170055
606-20-2	2,6-Dinitrotoluene	2800		1	51.4	260	ug/Kg	10/10/25 17:18	PB170055
99-09-2	3-Nitroaniline	1900		1	70.4	260	ug/Kg	10/10/25 17:18	PB170055
83-32-9	Acenaphthene	2300		1	32.6	260	ug/Kg	10/10/25 17:18	PB170055
51-28-5	2,4-Dinitrophenol	720		1	350	500	ug/Kg	10/10/25 17:18	PB170055
100-02-7	4-Nitrophenol	4200	E	1	160	500	ug/Kg	10/10/25 17:18	PB170055
132-64-9	Dibenzofuran	2400		1	34.7	260	ug/Kg	10/10/25 17:18	PB170055
121-14-2	2,4-Dinitrotoluene	2600		1	76.6	260	ug/Kg	10/10/25 17:18	PB170055
84-66-2	Diethylphthalate	2400		1	43.3	260	ug/Kg	10/10/25 17:18	PB170055
7005-72-3	4-Chlorophenyl-phenylether	2300		1	40.8	260	ug/Kg	10/10/25 17:18	PB170055
86-73-7	Fluorene	2300		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
100-01-6	4-Nitroaniline	2000		1	98.2	260	ug/Kg	10/10/25 17:18	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	420	J	1	160	500	ug/Kg	10/10/25 17:18	PB170055

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2800		1	50.3	260	ug/Kg	10/10/25 17:18	PB170055
101-55-3	4-Bromophenyl-phenylether	2600		1	42.5	260	ug/Kg	10/10/25 17:18	PB170055
118-74-1	Hexachlorobenzene	2400		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
1912-24-9	Atrazine	2600		1	52.0	260	ug/Kg	10/10/25 17:18	PB170055
87-86-5	Pentachlorophenol	4700	E	1	78.5	500	ug/Kg	10/10/25 17:18	PB170055
85-01-8	Phenanthrene	3900		1	32.0	260	ug/Kg	10/10/25 17:18	PB170055
120-12-7	Anthracene	2800		1	50.9	260	ug/Kg	10/10/25 17:18	PB170055
86-74-8	Carbazole	2800		1	47.7	260	ug/Kg	10/10/25 17:18	PB170055
84-74-2	Di-n-butylphthalate	2700		1	73.3	260	ug/Kg	10/10/25 17:18	PB170055
206-44-0	Fluoranthene	4400	E	1	45.9	260	ug/Kg	10/10/25 17:18	PB170055
129-00-0	Pyrene	3000		1	55.1	260	ug/Kg	10/10/25 17:18	PB170055
85-68-7	Butylbenzylphthalate	2600		1	110	260	ug/Kg	10/10/25 17:18	PB170055
91-94-1	3,3-Dichlorobenzidine	2400		1	56.1	500	ug/Kg	10/10/25 17:18	PB170055
56-55-3	Benzo(a)anthracene	3400		1	35.2	260	ug/Kg	10/10/25 17:18	PB170055
218-01-9	Chrysene	3200		1	30.4	260	ug/Kg	10/10/25 17:18	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	2900		1	90.6	260	ug/Kg	10/10/25 17:18	PB170055
117-84-0	Di-n-octyl phthalate	3200		1	130	500	ug/Kg	10/10/25 17:18	PB170055
205-99-2	Benzo(b)fluoranthene	3500		1	29.1	260	ug/Kg	10/10/25 17:18	PB170055
207-08-9	Benzo(k)fluoranthene	2700		1	34.3	260	ug/Kg	10/10/25 17:18	PB170055
50-32-8	Benzo(a)pyrene	3300		1	45.1	260	ug/Kg	10/10/25 17:18	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	44.5	260	ug/Kg	10/10/25 17:18	PB170055
53-70-3	Dibenzo(a,h)anthracene	1900		1	41.9	260	ug/Kg	10/10/25 17:18	PB170055
191-24-2	Benzo(g,h,i)perylene	2200		1	39.3	260	ug/Kg	10/10/25 17:18	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	2800		1	39.2	260	ug/Kg	10/10/25 17:18	PB170055
123-91-1	1,4-Dioxane	2200		1	69.1	260	ug/Kg	10/10/25 17:18	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	2200		1	41.9	260	ug/Kg	10/10/25 17:18	PB170055
SURROGATES									
367-12-4	2-Fluorophenol	81.9			18 - 112	55%	SPK: 150		
13127-88-3	Phenol-d6	80.9			15 - 107	54%	SPK: 150		
4165-60-0	Nitrobenzene-d5	57.4			18 - 107	57%	SPK: 100		
321-60-8	2-Fluorobiphenyl	49.4			20 - 109	49%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	66.1			10 - 116	44%	SPK: 150		
1718-51-0	Terphenyl-d14	35.9			10 - 105	36%	SPK: 100		
INTERNAL STANDARDS		**Area**							
3855-82-1	1,4-Dichlorobenzene-d4	118000							
1146-65-2	Naphthalene-d8	432000							
15067-26-2	Acenaphthene-d10	206000							
1517-22-2	Phenanthrene-d10	294000							
1719-03-5	Chrysene-d12	250000							
1520-96-3	Perylene-d12	234000							

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Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	10/07/25
Project:	RFP 918			Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD			SDG No.:	Q3321
Lab Sample ID:	Q3310-01MSD			Matrix:	SOIL
Analytical Method:	8270E	Level : LOW		% Solid:	65.3
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL		Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101025\
Data File : BF143929.D
Acq On : 10 Oct 2025 17:18
Operator : RC/JU
Sample : Q3310-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Quant Time: Oct 10 21:48:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	118400	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	432037	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	206418	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	294129	20.000	ng		0.00
76) Chrysene-d12	14.068	240	250086	20.000	ng		0.00
86) Perylene-d12	15.545	264	234027	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	610390	81.866	ng		0.00
7) Phenol-d6	6.510	99	719140	80.919	ng		0.00
23) Nitrobenzene-d5	7.445	82	408065	57.384	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	135862	66.082	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	642465	49.386	ng		-0.01
79) Terphenyl-d14	13.004	244	525577	35.918	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	146145	42.358	ng		96
3) Pyridine	3.457	79	416024	41.419	ng		97
4) n-Nitrosodimethylamine	3.404	42	245517	46.466	ng		93
6) Aniline	6.545	93	375981	28.232	ng		98
8) 2-Chlorophenol	6.669	128	334438	45.888	ng		98
9) Benzaldehyde	6.434	77	204688	29.857	ng		99
10) Phenol	6.522	94	497367	46.812	ng		100
11) bis(2-Chloroethyl)ether	6.616	93	375103	45.703	ng		99
12) 1,3-Dichlorobenzene	6.822	146	386144	44.262	ng		99
13) 1,4-Dichlorobenzene	6.904	146	391672	45.513	ng		99
14) 1,2-Dichlorobenzene	7.051	146	375997	45.615	ng		99
15) Benzyl Alcohol	7.022	79	317470	47.677	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	866381	46.375	ng		100
17) 2-Methylphenol	7.134	107	273298	45.374	ng		99
18) Hexachloroethane	7.398	117	123788	43.133	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	257967	42.406	ng		98
20) 3+4-Methylphenols	7.287	107	307145	43.998	ng	#	77
22) Acetophenone	7.292	105	455250	49.835	ng		96
24) Nitrobenzene	7.463	77	389887	49.371	ng		99
25) Isophorone	7.704	82	695779	46.403	ng		99
26) 2-Nitrophenol	7.781	139	174112	51.426	ng		98
27) 2,4-Dimethylphenol	7.816	122	315565	51.813	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	433734	45.793	ng		99
29) 2,4-Dichlorophenol	8.022	162	287943	45.388	ng		97
30) 1,2,4-Trichlorobenzene	8.104	180	300197	48.115	ng		100
31) Naphthalene	8.192	128	932005	47.423	ng		100
32) Benzoic acid	7.928	122	194020	46.030	ng		97
33) 4-Chloroaniline	8.234	127	130435	17.696	ng		99
34) Hexachlorobutadiene	8.304	225	193808	44.702	ng		99
35) Caprolactam	8.604	113	91491	45.357	ng		99
36) 4-Chloro-3-methylphenol	8.716	107	261321	42.883	ng		98
37) 2-Methylnaphthalene	8.881	142	534905	40.859	ng		100
38) 1-Methylnaphthalene	8.981	142	533120	41.984	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	317275	55.612	ng		99
41) Hexachlorocyclopentadiene	9.033	237	101705	42.971	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	199193	47.785	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143929.D
Acq On : 10 Oct 2025 17:18
Operator : RC/JU
Sample : Q3310-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Quant Time: Oct 10 21:48:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

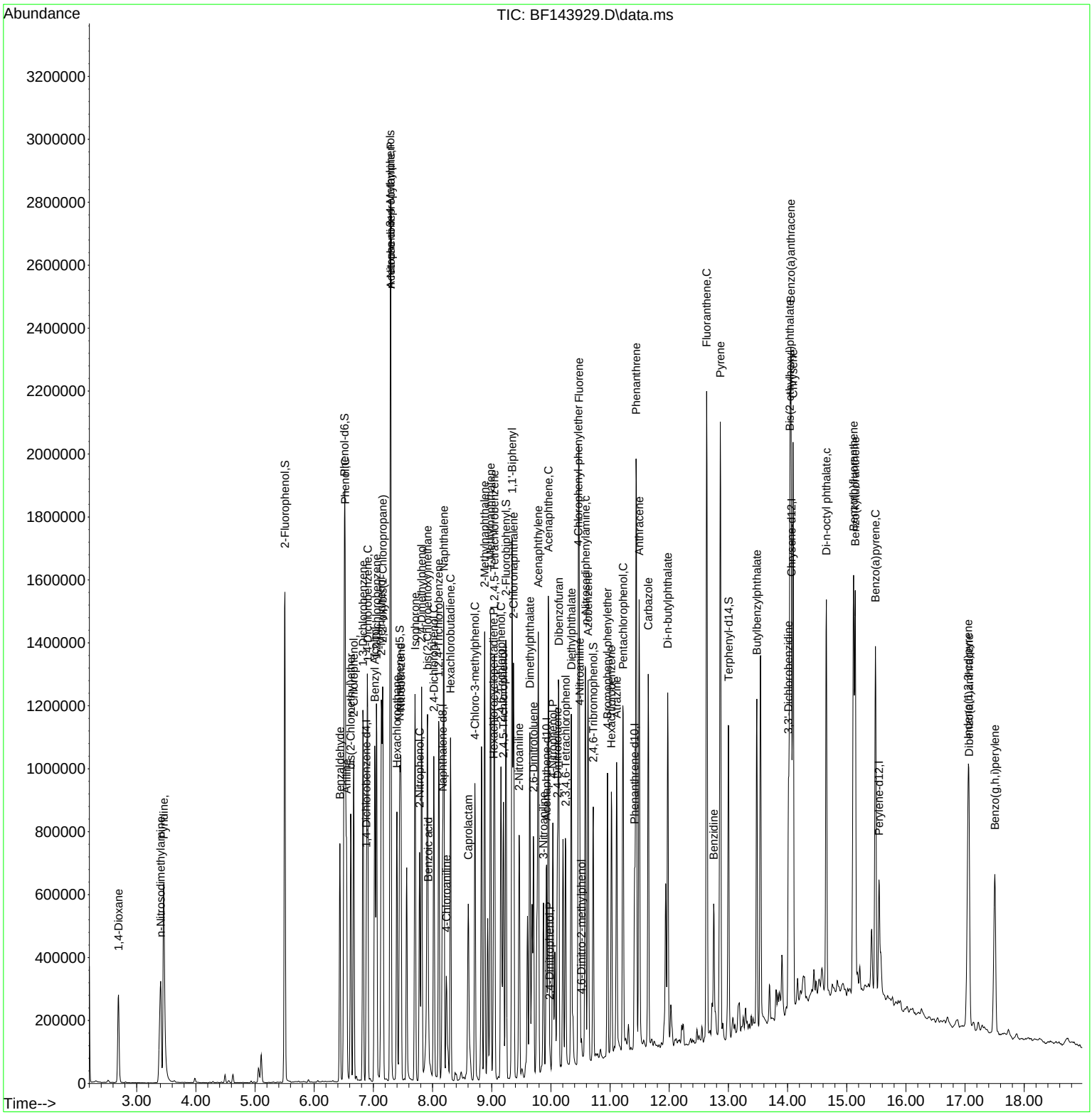
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	202113	45.881	ng		99
46) 1,1'-Biphenyl	9.345	154	739365	54.100	ng		98
47) 2-Chloronaphthalene	9.369	162	547343	48.035	ng		98
48) 2-Nitroaniline	9.463	65	195519	54.273	ng		98
49) Acenaphthylene	9.786	152	842706	52.605	ng		100
50) Dimethylphthalate	9.645	163	652573	49.783	ng		99
51) 2,6-Dinitrotoluene	9.704	165	134316	55.258	ng		98
52) Acenaphthene	9.957	154	477808	45.519	ng		98
53) 3-Nitroaniline	9.875	138	113053	37.985	ng		98
54) 2,4-Dinitrophenol	9.980	184	11722	14.081	ng	#	41
55) Dibenzofuran	10.133	168	707567	47.752	ng		98
56) 4-Nitrophenol	10.033	139	187692	83.288	ng		98
57) 2,4-Dinitrotoluene	10.110	165	169013	51.103	ng		97
58) Fluorene	10.475	166	506230	45.277	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	133629	42.853	ng		99
60) Diethylphthalate	10.345	149	579699	47.603	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	267368	45.231	ng		97
62) 4-Nitroaniline	10.486	138	113273	39.577	ng		93
63) Azobenzene	10.627	77	639220	50.224	ng		96
65) 4,6-Dinitro-2-methylph...	10.516	198	12180	8.240	ng		87
66) n-Nitrosodiphenylamine	10.586	169	503512	54.520	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	163297	50.236	ng		99
68) Hexachlorobenzene	11.022	284	176825	46.988	ng		97
69) Atrazine	11.110	200	143934	51.420	ng		96
70) Pentachlorophenol	11.222	266	200869	92.938	ng		98
71) Phenanthrene	11.439	178	1086924	76.225	ng		99
72) Anthracene	11.492	178	785356	54.518	ng		99
73) Carbazole	11.645	167	697255	54.651	ng		99
74) Di-n-butylphthalate	11.974	149	772095	52.216	ng		100
75) Fluoranthene	12.633	202	1271771	86.345	ng		99
77) Benzidine	12.751	184	261032	30.060	ng		98
78) Pyrene	12.863	202	1220247	58.527	ng		98
80) Butylbenzylphthalate	13.480	149	348136	51.414	ng		98
81) Benzo(a)anthracene	14.057	228	1096245	66.984	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	239151	47.951	ng		99
83) Chrysene	14.092	228	951480	62.817	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	458060	56.119	ng		99
85) Di-n-octyl phthalate	14.657	149	845476	63.066	ng		100
87) Indeno(1,2,3-cd)pyrene	17.051	276	615808	42.944	ng		98
88) Benzo(b)fluoranthene	15.115	252	916681	68.189	ng		99
89) Benzo(k)fluoranthene	15.145	252	654063	52.580	ng		98
90) Benzo(a)pyrene	15.486	252	754072	64.691	ng		98
91) Dibenzo(a,h)anthracene	17.068	278	436970	37.889	ng		99
92) Benzo(g,h,i)perylene	17.503	276	488713	42.375	ng		98

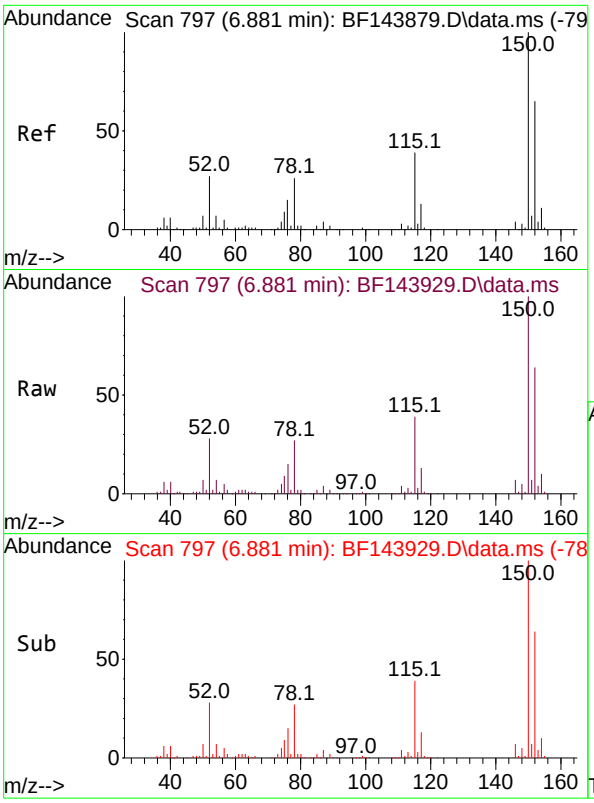
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143929.D
Acq On : 10 Oct 2025 17:18
Operator : RC/JU
Sample : Q3310-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Quant Time: Oct 10 21:48:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



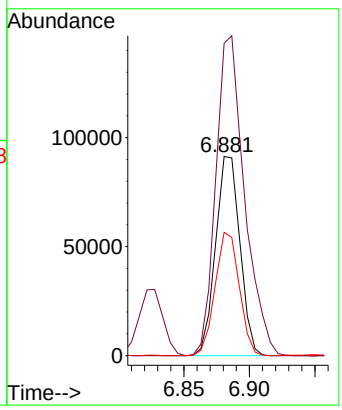


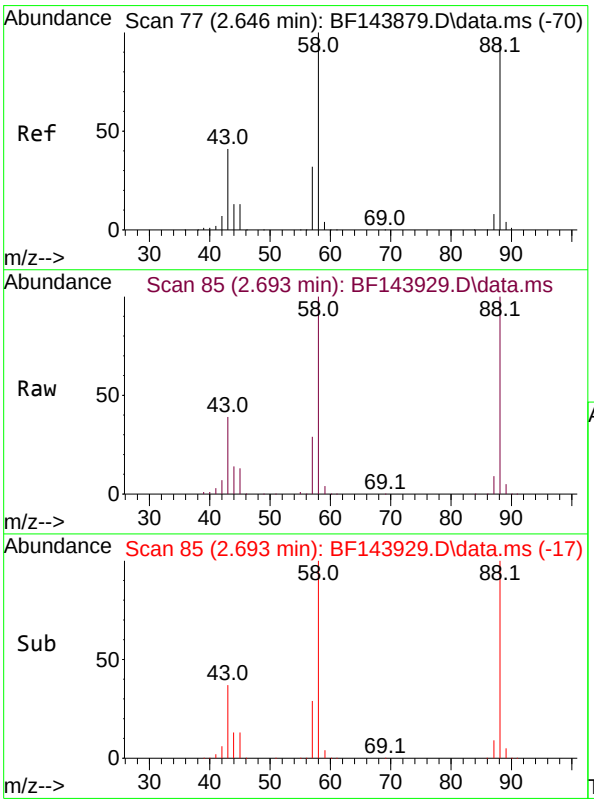
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:152 Resp: 118400

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.4	186.6
115	61.9	48.1	72.1

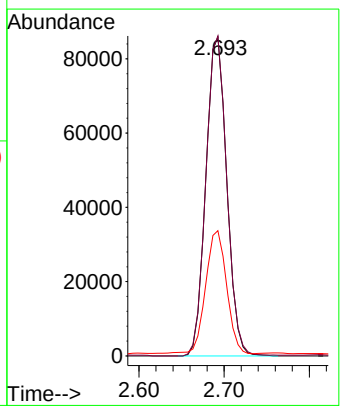


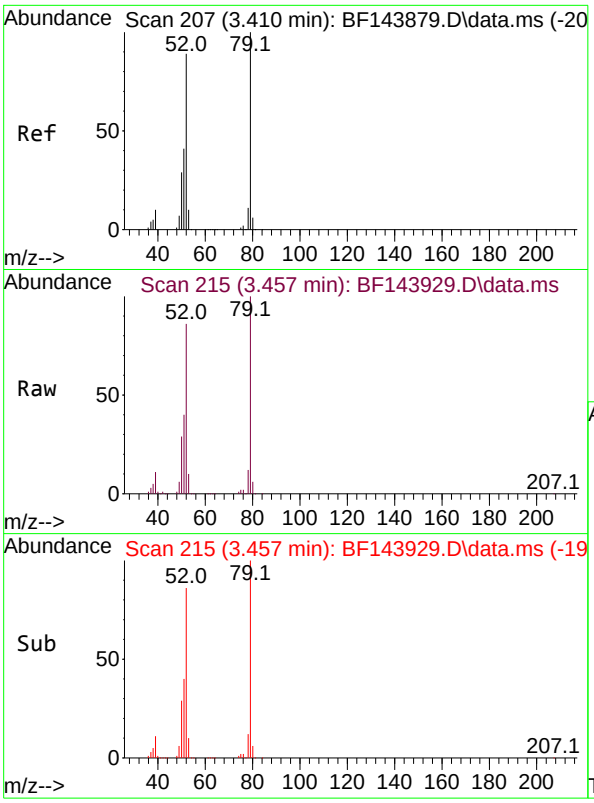


#2
1,4-Dioxane
Concen: 42.358 ng
RT: 2.693 min Scan# 85
Delta R.T. 0.047 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 88 Resp: 146145

Ion	Ratio	Lower	Upper
88	100		
58	100.7	83.0	124.6
43	38.8	33.9	50.9



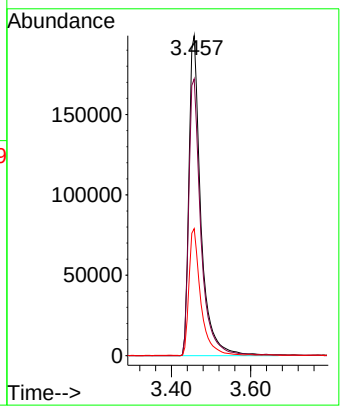


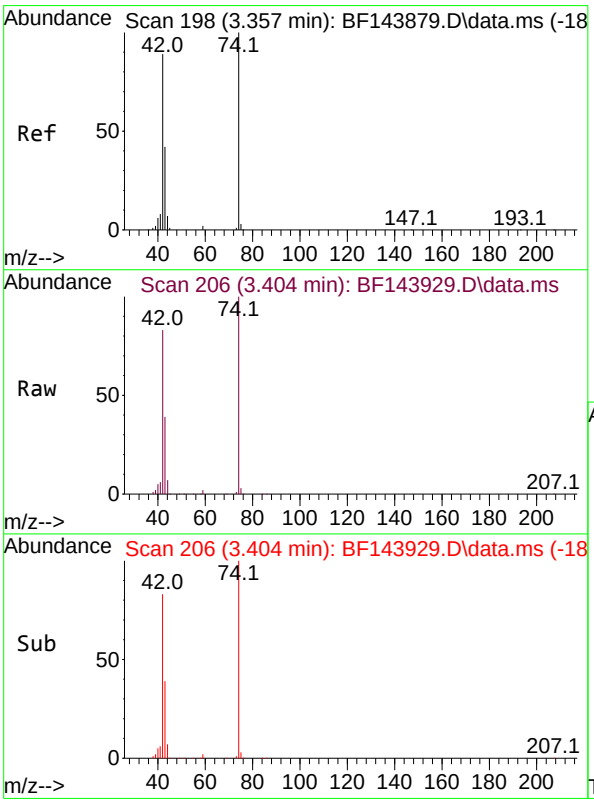
#3
Pyridine
Concen: 41.419 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 79 Resp: 416024

Ion	Ratio	Lower	Upper
79	100		
52	86.5	71.5	107.3
51	39.7	32.9	49.3

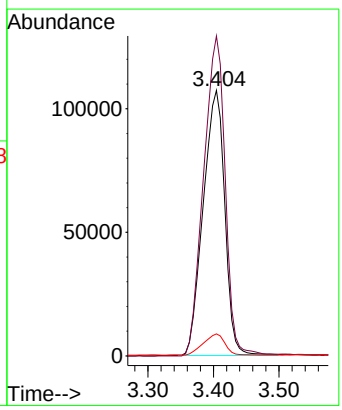


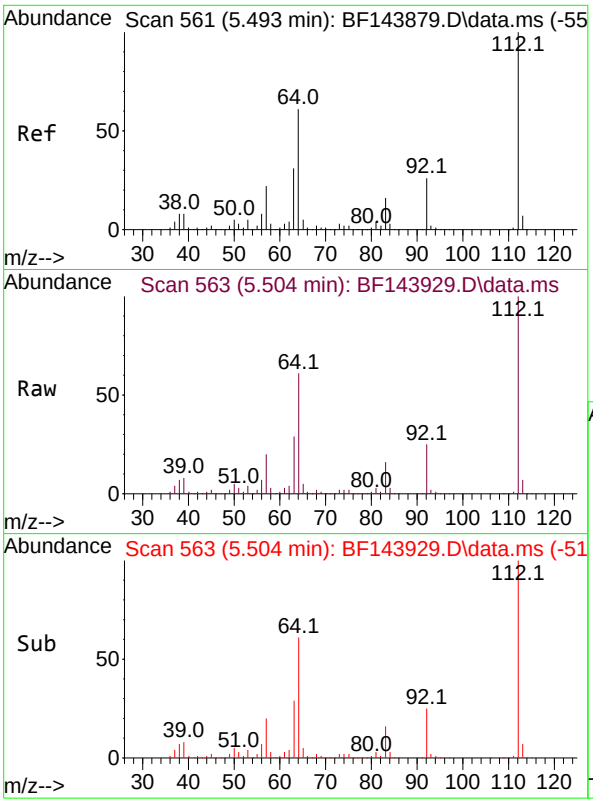


#4
n-Nitrosodimethylamine
Concen: 46.466 ng
RT: 3.404 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 42 Resp: 245517

Ion	Ratio	Lower	Upper
42	100		
74	120.5	90.0	135.0
44	8.3	6.2	9.2



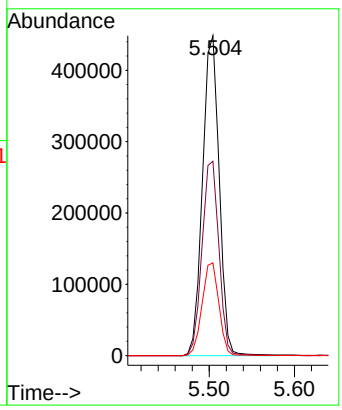


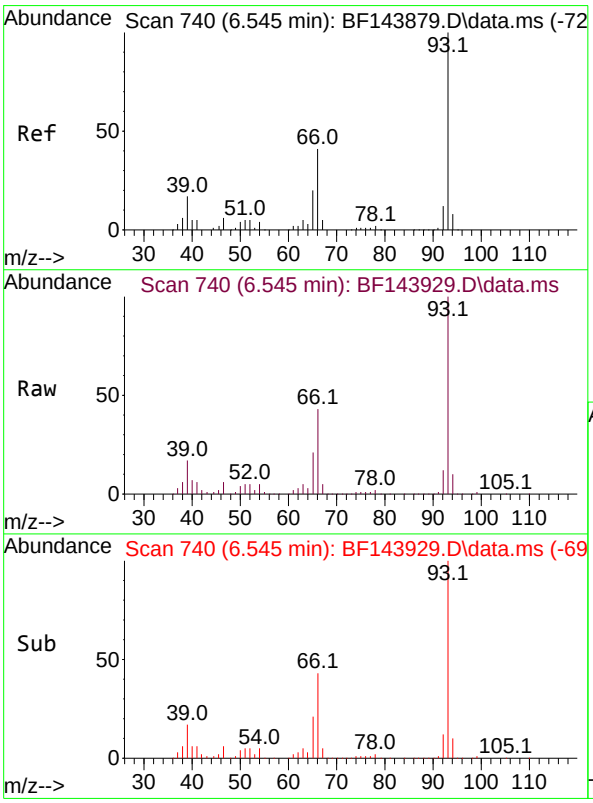
#5
2-Fluorophenol
Concen: 81.866 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:112 Resp: 610390

Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.1	73.7
63	29.0	24.5	36.7

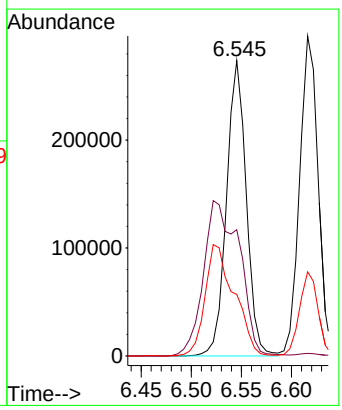


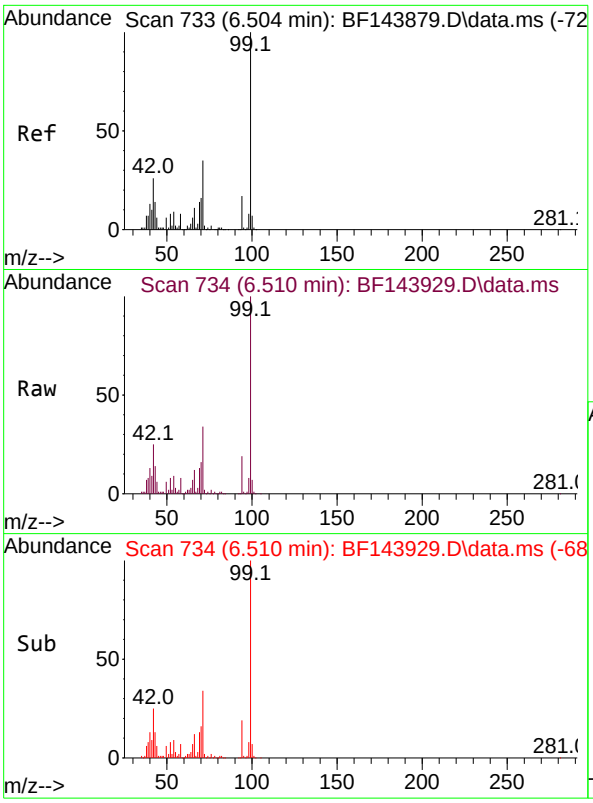


#6
Aniline
Concen: 28.232 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 93 Resp: 375981

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.0	49.6
65	20.8	15.8	23.8



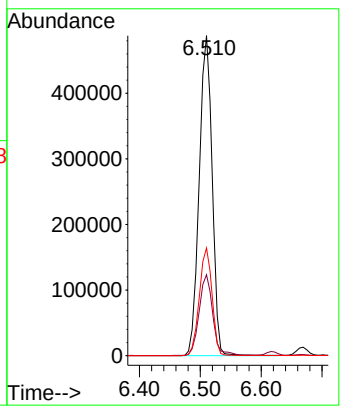


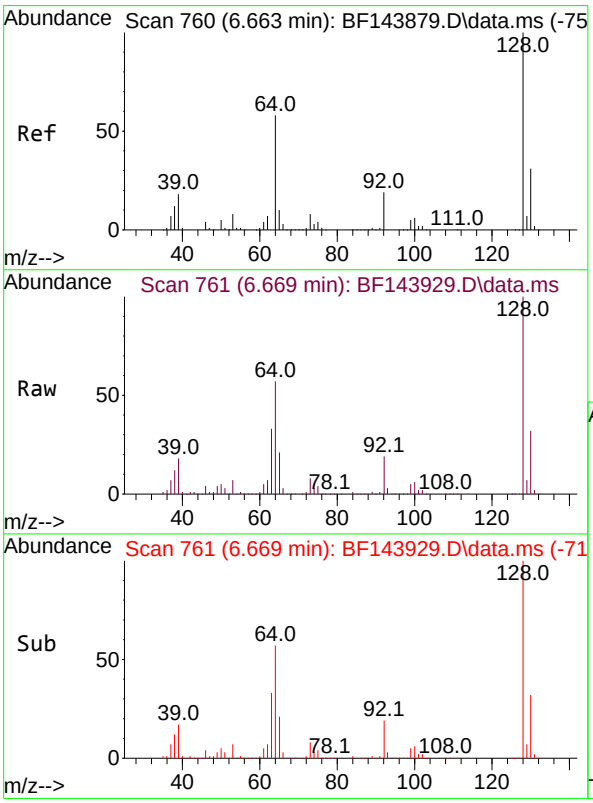
#7
Phenol-d6
Concen: 80.919 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 99 Resp: 719140

Ion	Ratio	Lower	Upper
99	100		
42	25.3	21.0	31.4
71	33.6	27.8	41.8

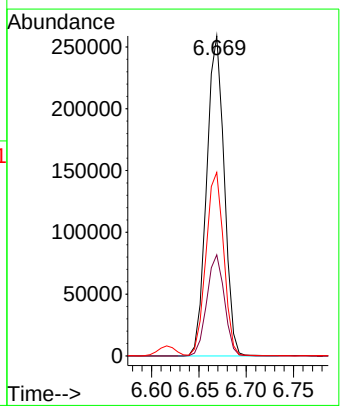


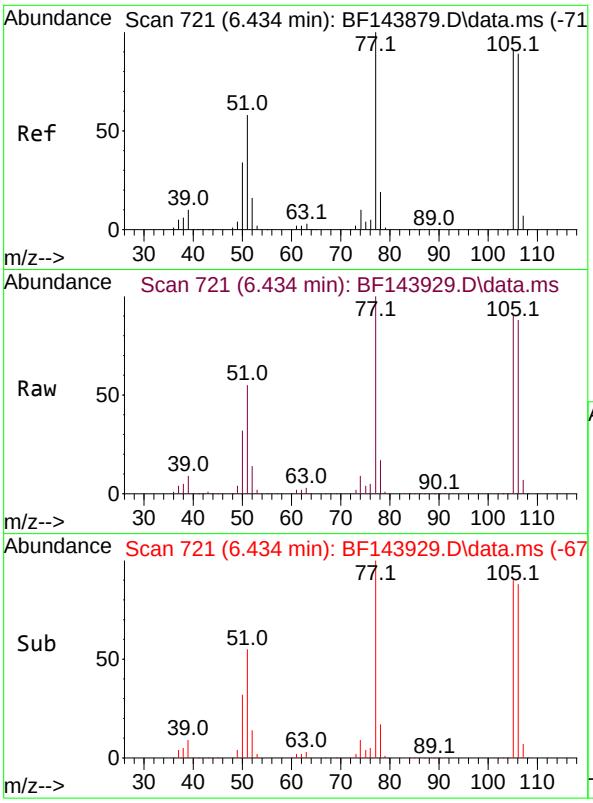


#8
2-Chlorophenol
Concen: 45.888 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:128 Resp: 334438

Ion	Ratio	Lower	Upper
128	100		
130	31.6	10.7	50.7
64	57.3	39.0	79.0



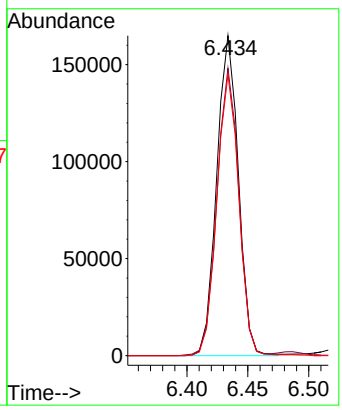


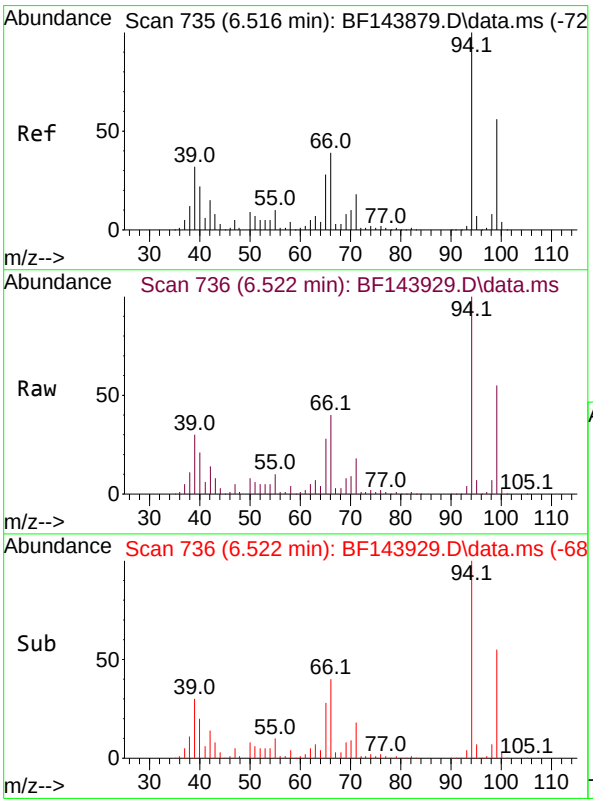
#9
Benzaldehyde
Concen: 29.857 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 77 Resp: 204688

Ion	Ratio	Lower	Upper
77	100		
105	89.8	70.9	110.9
106	87.8	68.9	108.9

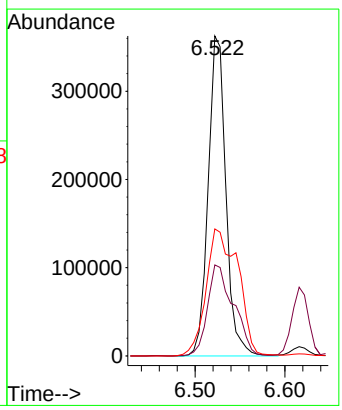


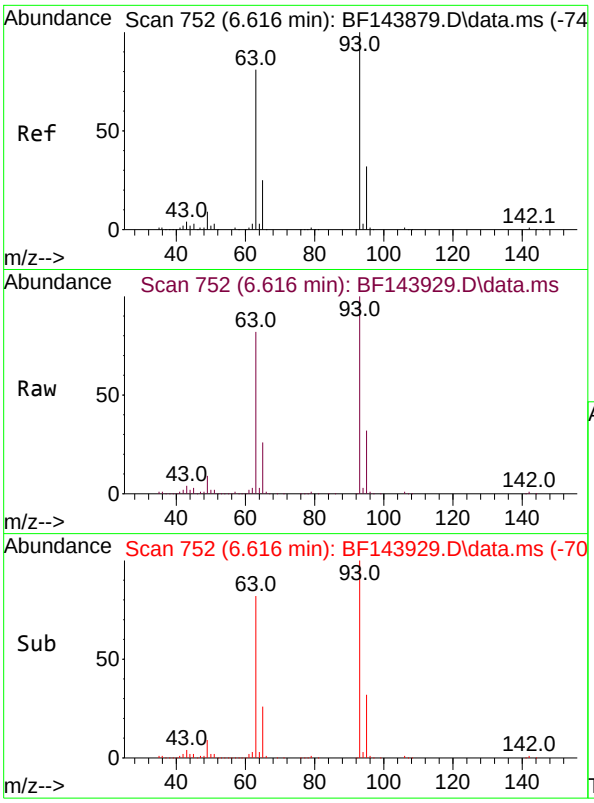


#10
Phenol
Concen: 46.812 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 94 Resp: 497367

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.5	48.5
66	39.7	19.9	59.9



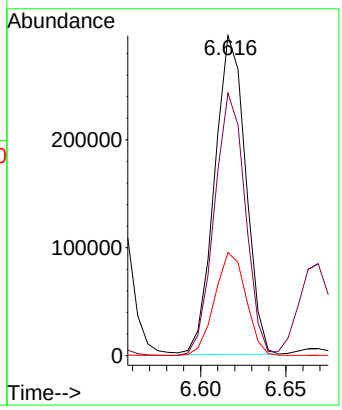


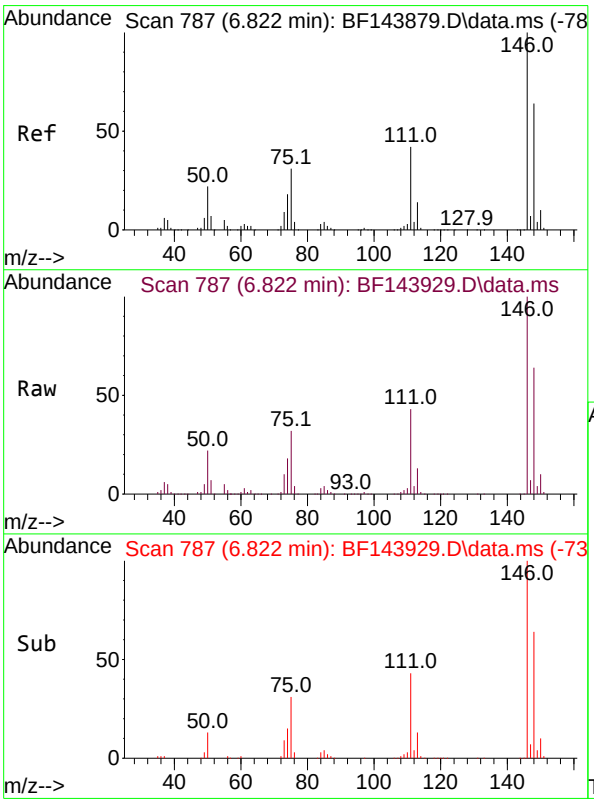
#11
bis(2-Chloroethyl)ether
Concen: 45.703 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 93 Resp: 375103

Ion	Ratio	Lower	Upper
93	100		
63	82.0	60.9	100.9
95	32.2	11.5	51.5

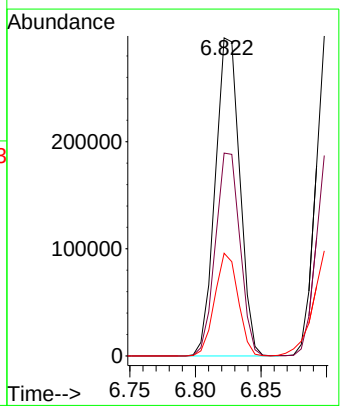


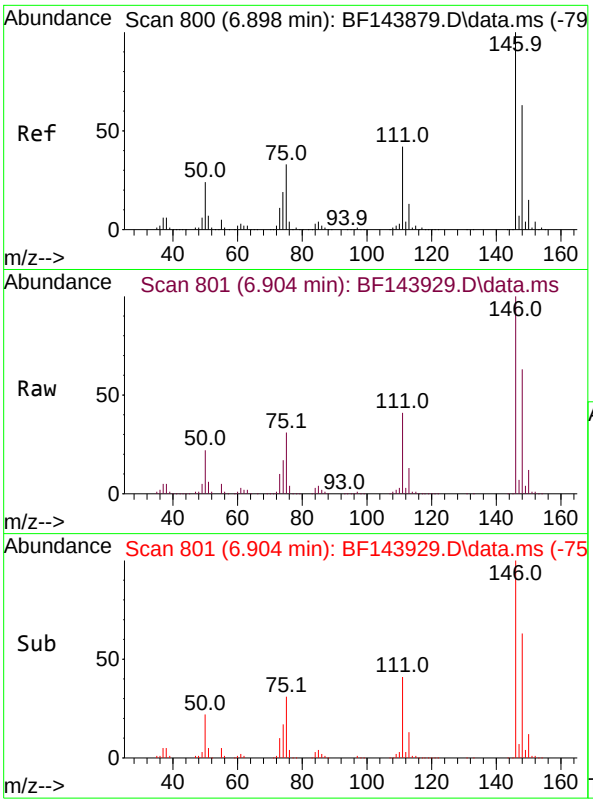


#12
1,3-Dichlorobenzene
Concen: 44.262 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:146 Resp: 386144

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	32.3	24.9	37.3



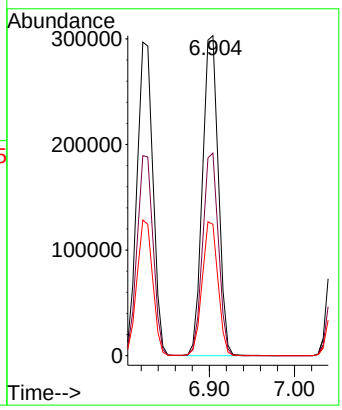


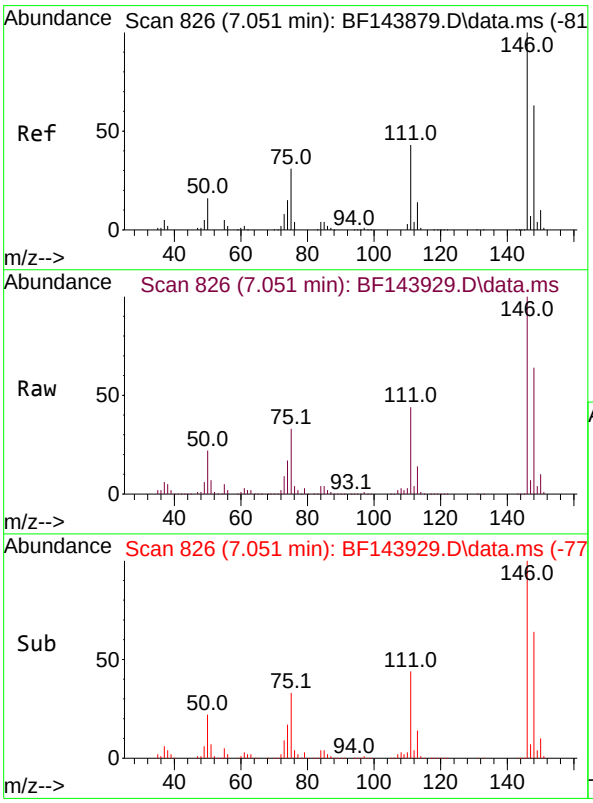
#13
1,4-Dichlorobenzene
Concen: 45.513 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:146 Resp: 391672

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	41.0	33.4	50.0

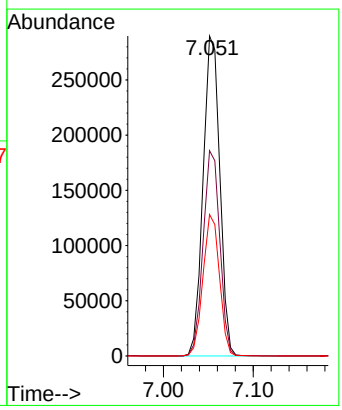


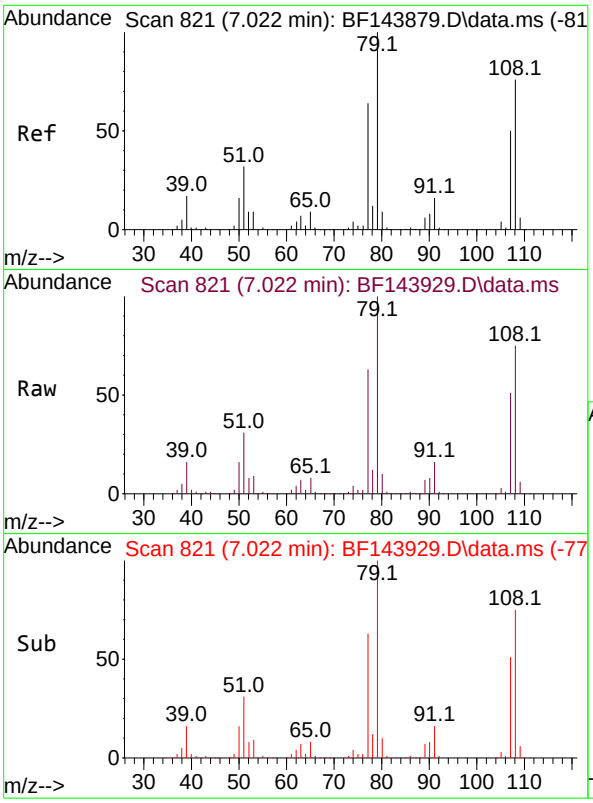


#14
1,2-Dichlorobenzene
Concen: 45.615 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:146 Resp: 375997

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	75.8
111	44.2	34.6	51.8



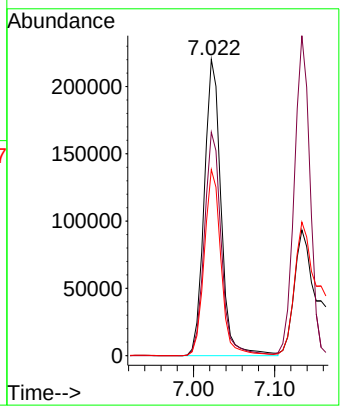


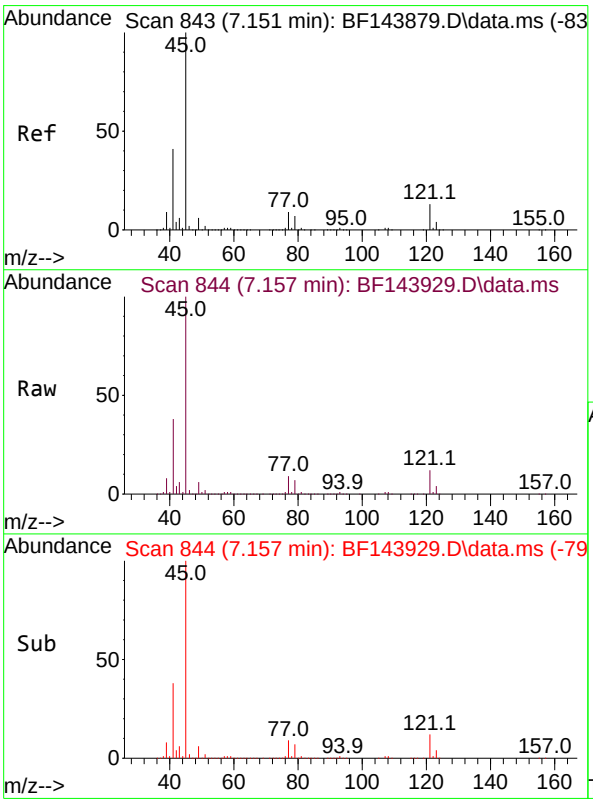
#15
Benzyl Alcohol
Concen: 47.677 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 79 Resp: 317470

Ion	Ratio	Lower	Upper
79	100		
108	75.4	60.8	91.2
77	62.8	51.0	76.6

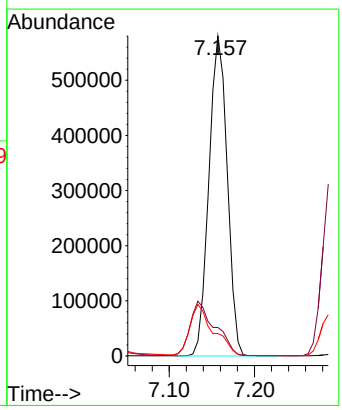


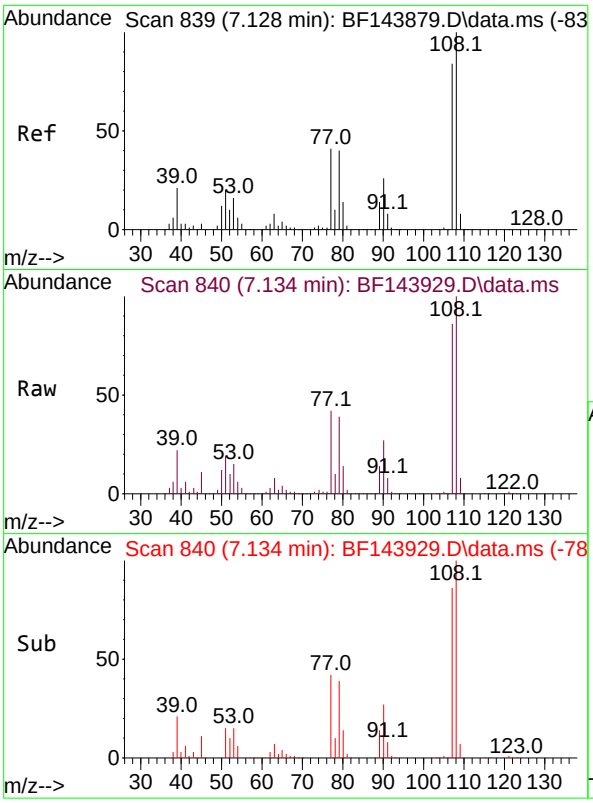


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.375 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 45 Resp: 866381

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	29.0
79	7.0	0.0	26.8



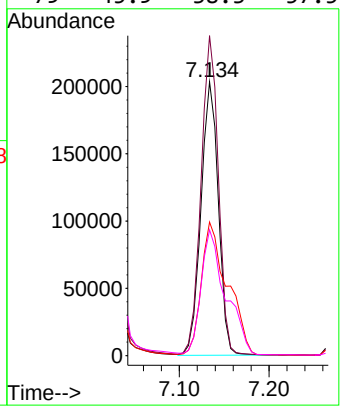


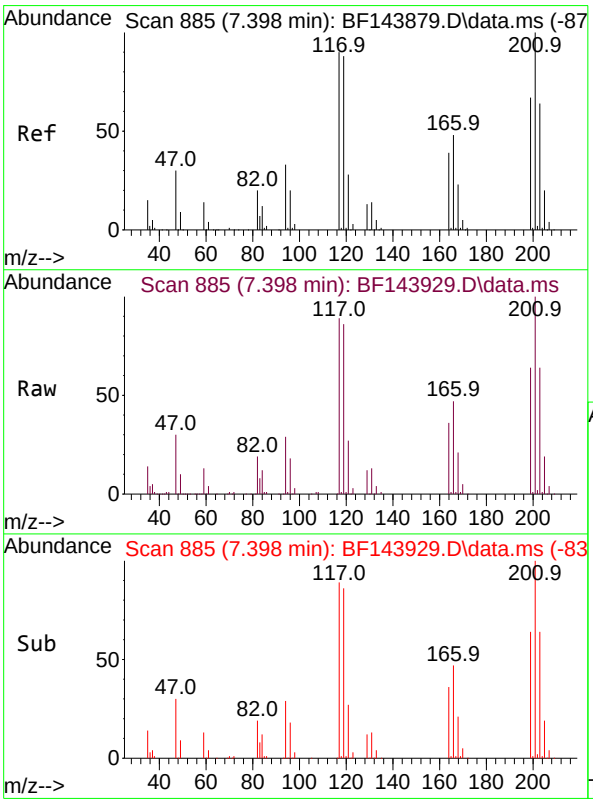
#17
2-Methylphenol
Concen: 45.374 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:107 Resp: 273298

Ion	Ratio	Lower	Upper
107	100		
108	116.9	94.7	142.1
77	48.8	38.8	58.2
79	45.9	38.3	57.5

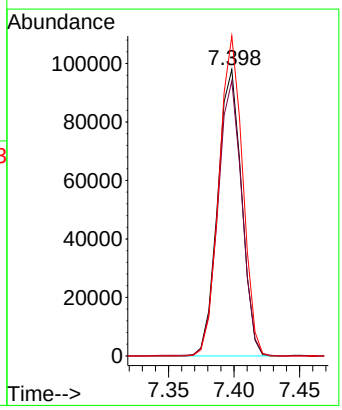


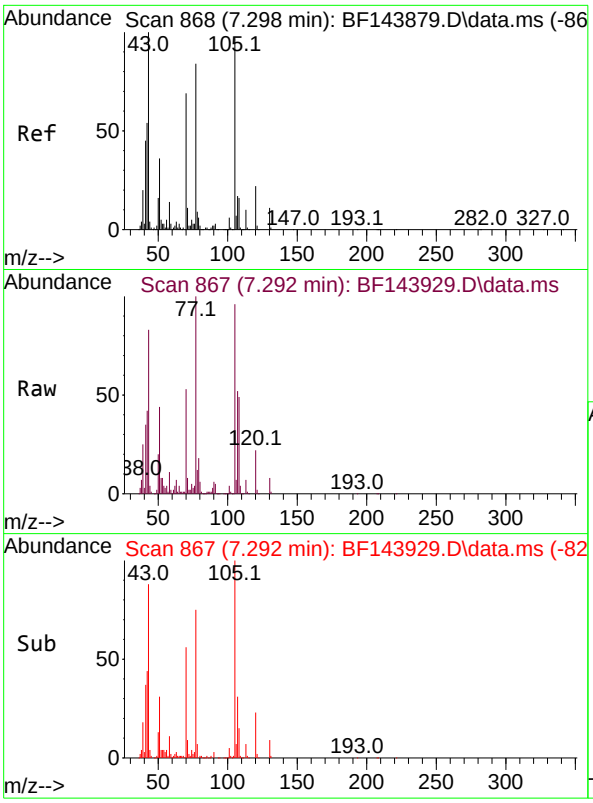


#18
Hexachloroethane
Concen: 43.133 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:117 Resp: 123788

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.8
201	111.7	88.5	132.7



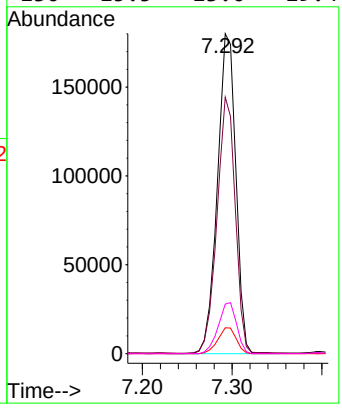


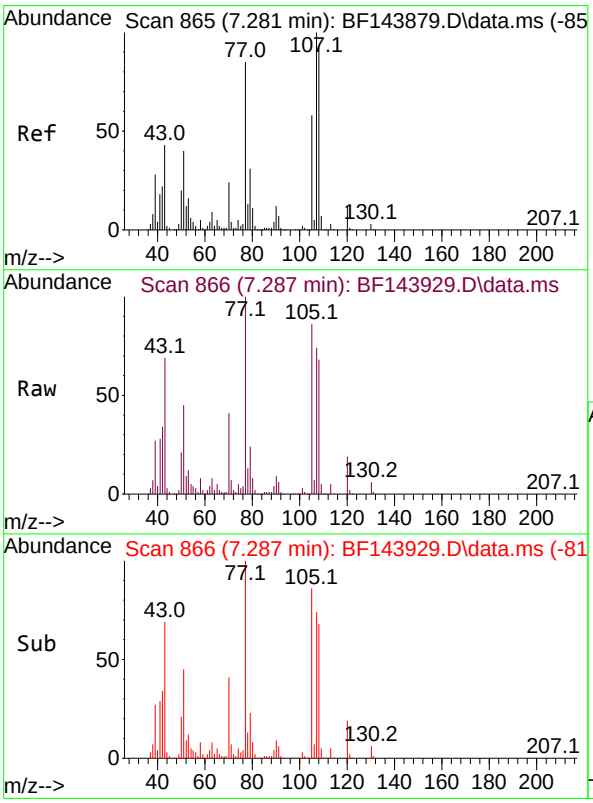
#19
n-Nitroso-di-n-propylamine
Concen: 42.406 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 70 Resp: 257967

Ion	Ratio	Lower	Upper
70	100		
42	80.1	62.8	94.2
101	8.1	6.7	10.1
130	15.5	13.0	19.4

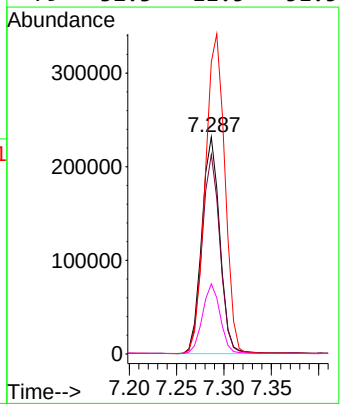


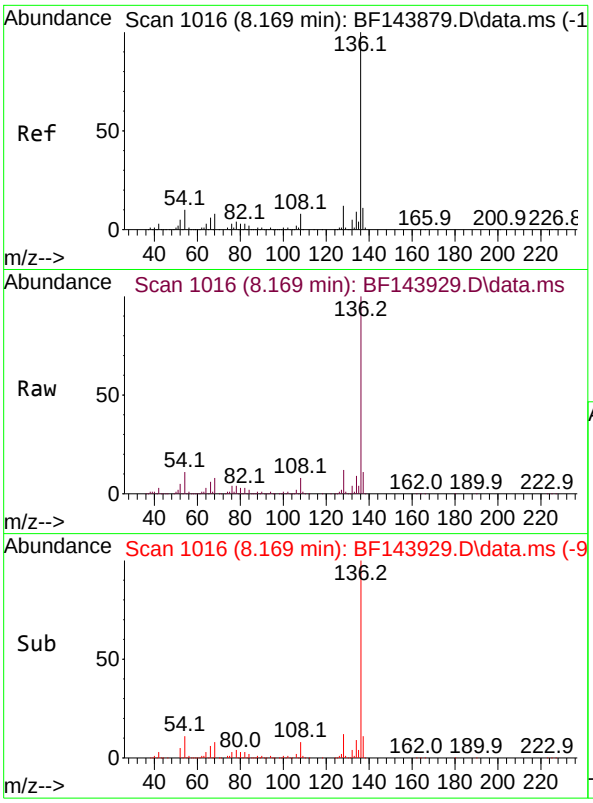


#20
3+4-Methylphenols
Concen: 43.998 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:107 Resp: 307145

Ion	Ratio	Lower	Upper
107	100		
108	91.9	73.0	113.0
77	134.6	64.6	104.6#
79	32.3	11.5	51.5



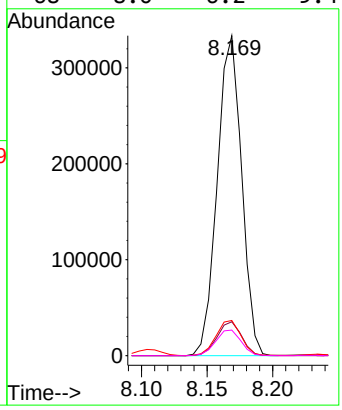


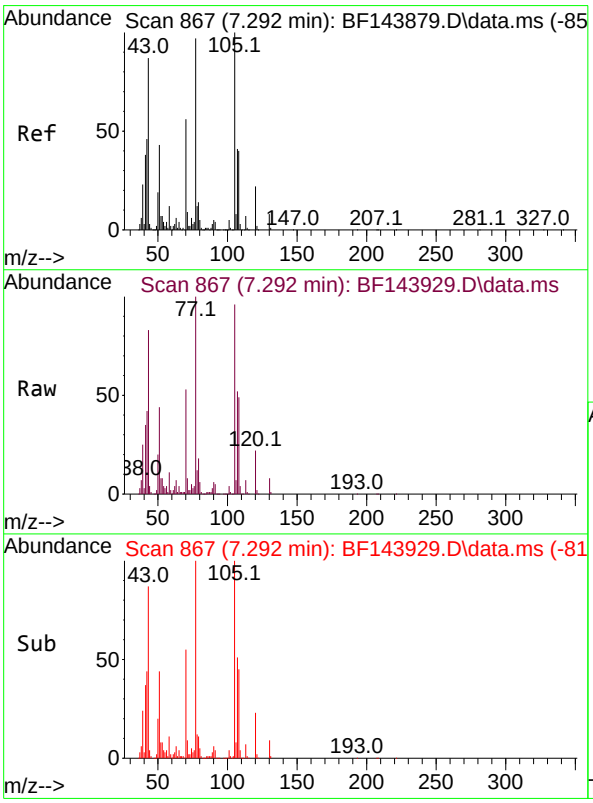
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:136 Resp: 432037

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	11.0	8.2	12.4
68	8.0	6.2	9.4

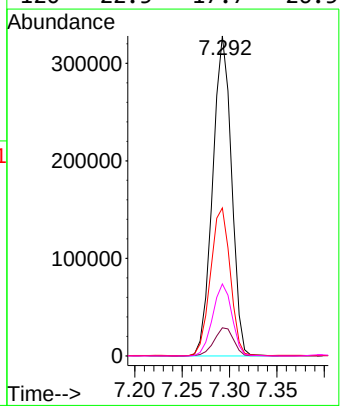


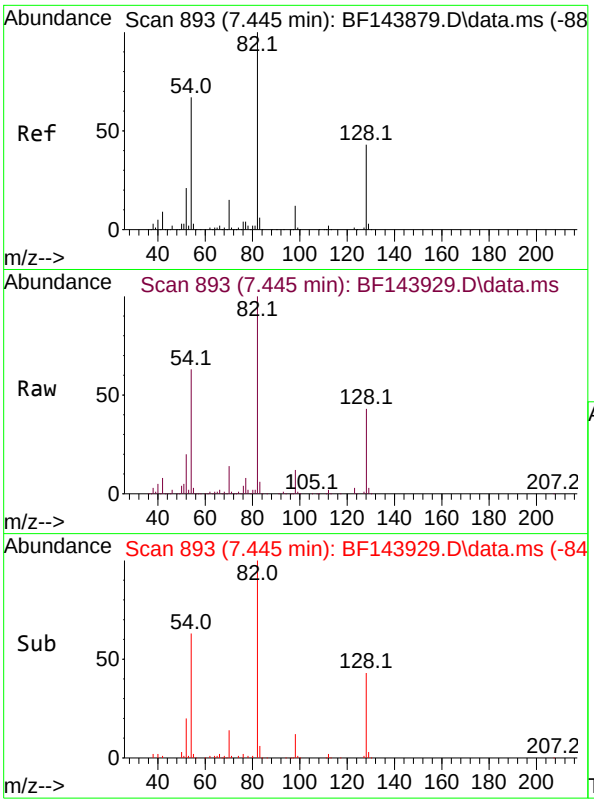


#22
Acetophenone
Concen: 49.835 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:105 Resp: 455250

Ion	Ratio	Lower	Upper
105	100		
71	8.8	7.4	11.0
51	46.2	34.2	51.4
120	22.5	17.7	26.5



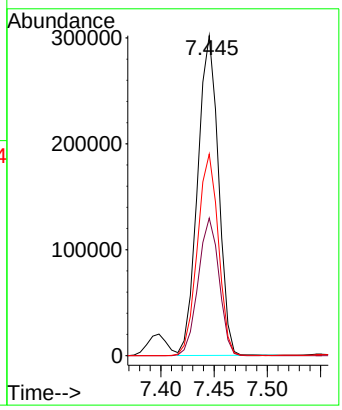


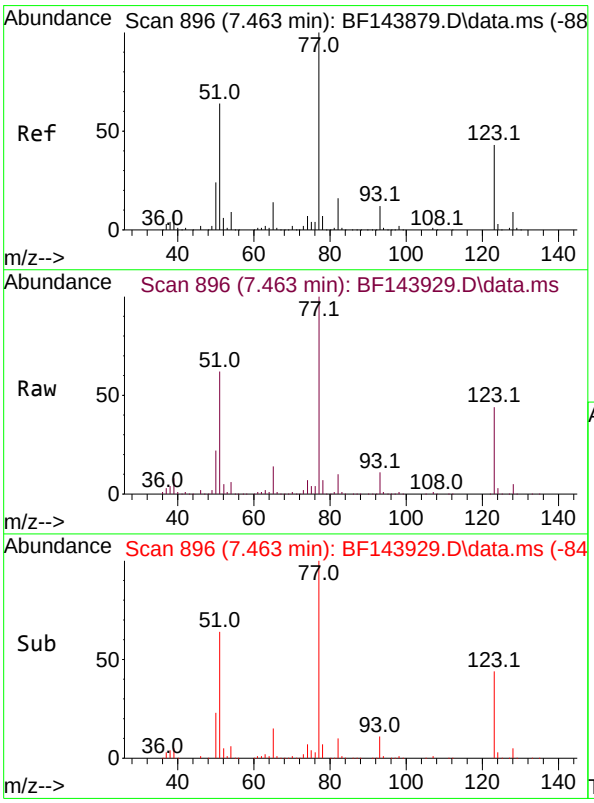
#23
Nitrobenzene-d5
Concen: 57.384 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 82 Resp: 408065

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	63.0	53.2	79.8

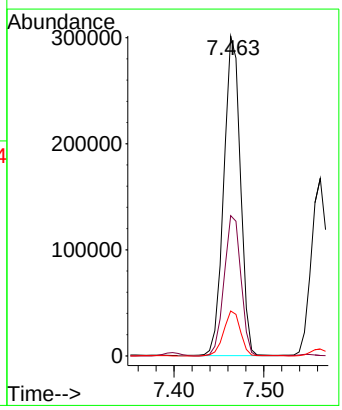


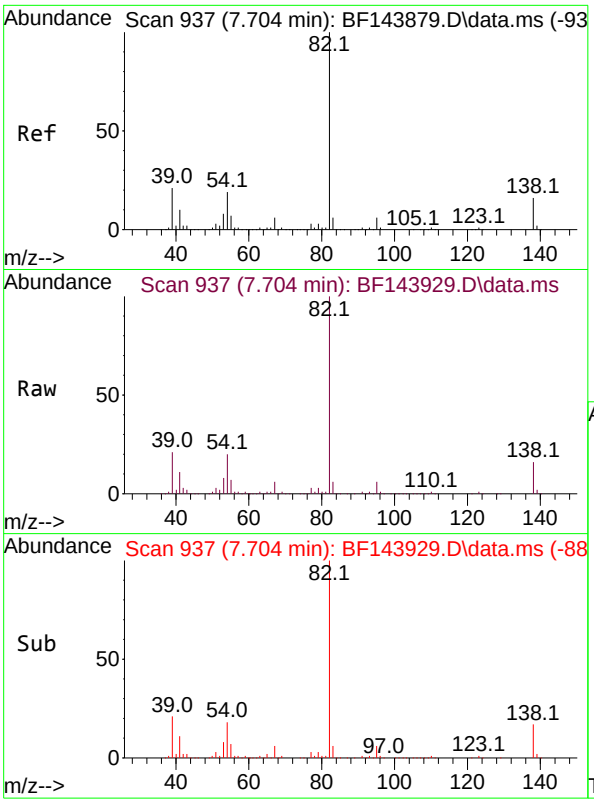


#24
Nitrobenzene
Concen: 49.371 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 77 Resp: 389887

Ion	Ratio	Lower	Upper
77	100		
123	43.8	34.2	51.4
65	14.0	11.0	16.6



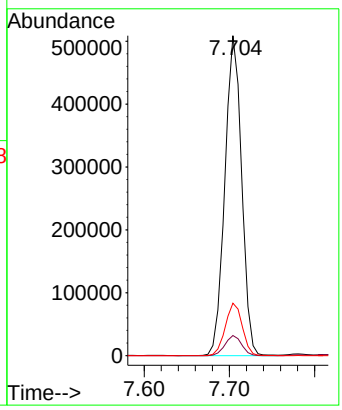


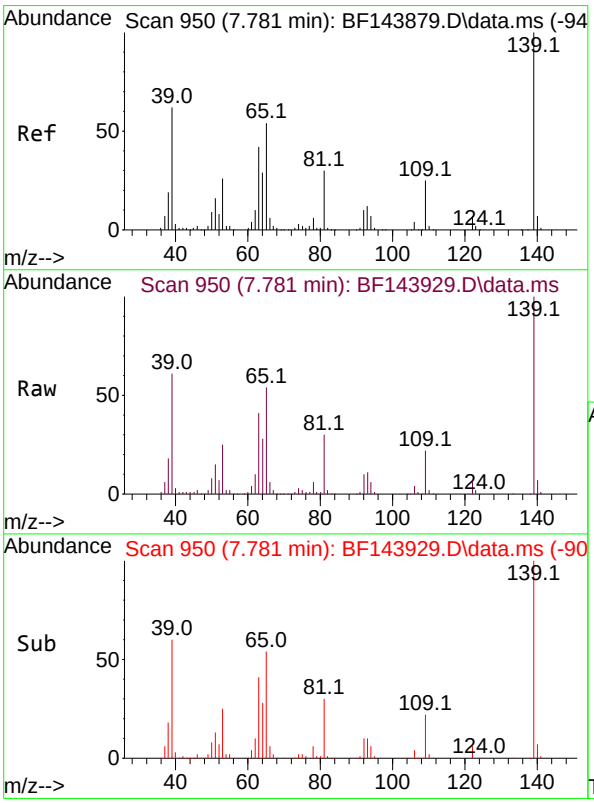
#25
Isophorone
Concen: 46.403 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 82 Resp: 695779

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	16.4	12.9	19.3

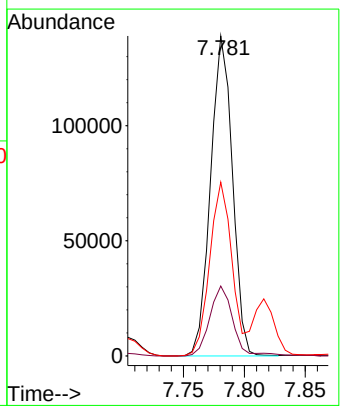


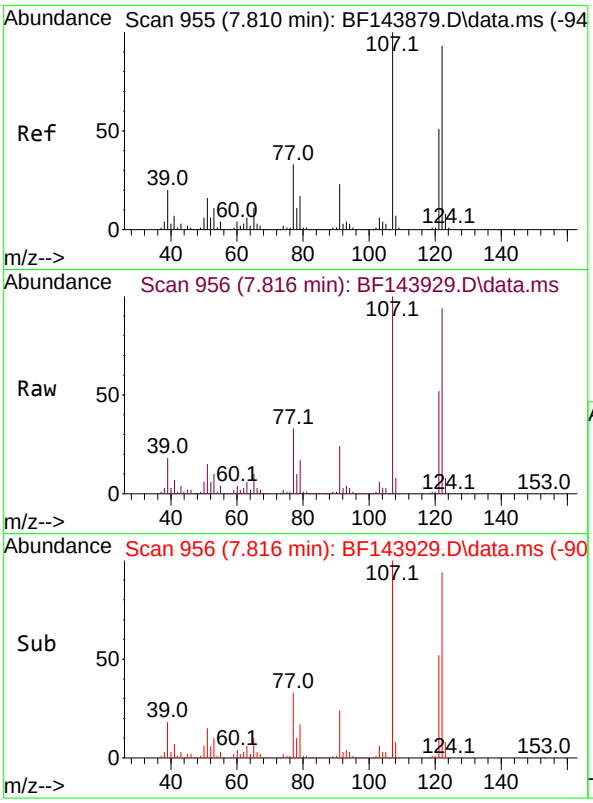


#26
2-Nitrophenol
Concen: 51.426 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:139 Resp: 174112

Ion	Ratio	Lower	Upper
139	100		
109	21.8	19.8	29.6
65	54.3	42.9	64.3



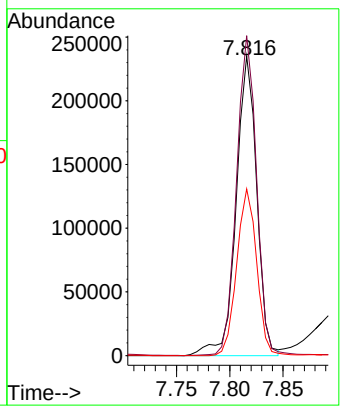


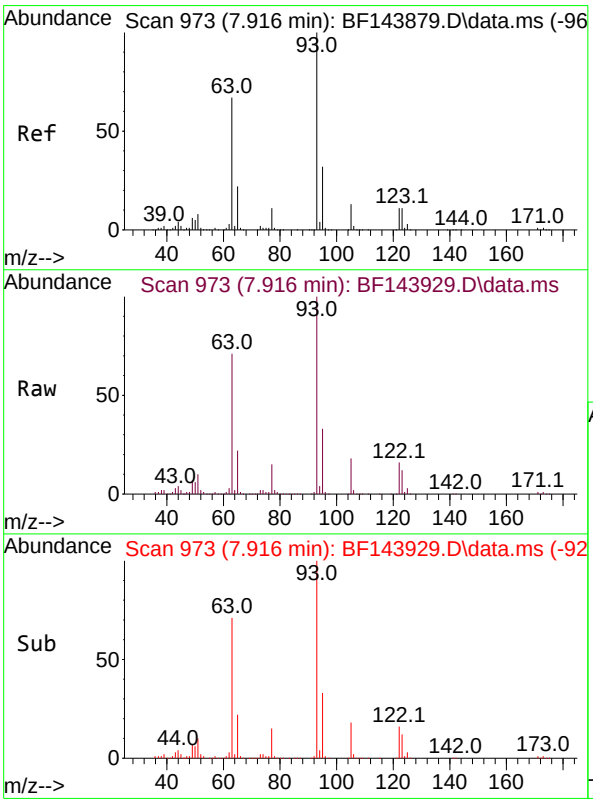
#27
2,4-Dimethylphenol
Concen: 51.813 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:122 Resp: 315565

Ion	Ratio	Lower	Upper
122	100		
107	106.8	86.1	129.1
121	55.6	43.8	65.6

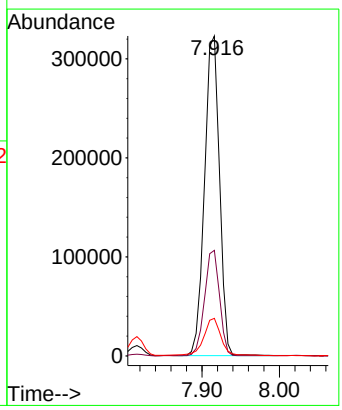


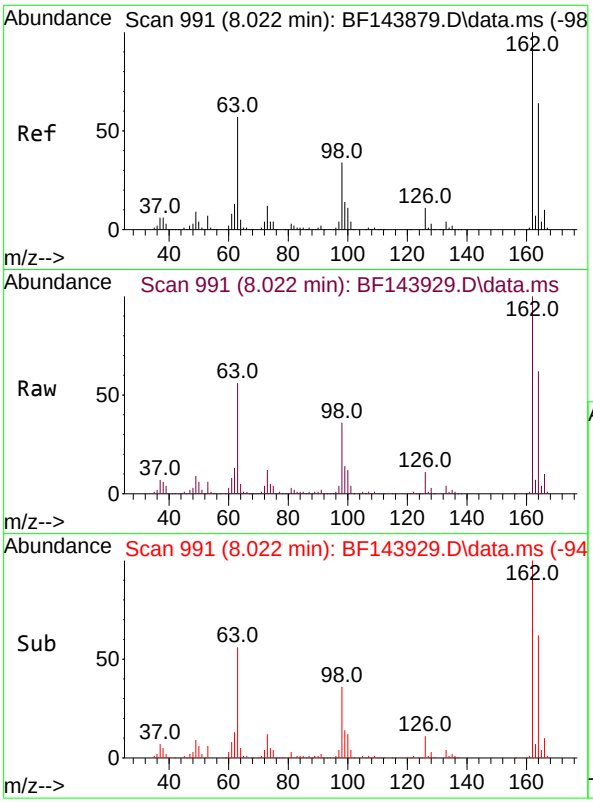


#28
bis(2-Chloroethoxy)methane
Concen: 45.793 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 93 Resp: 433734

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.9	38.9
123	11.7	9.4	14.0



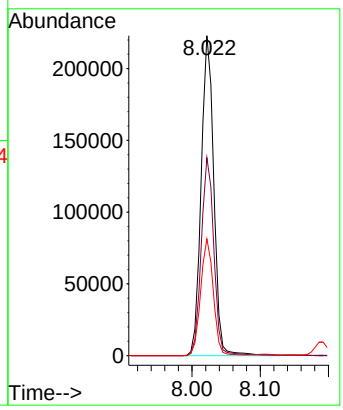


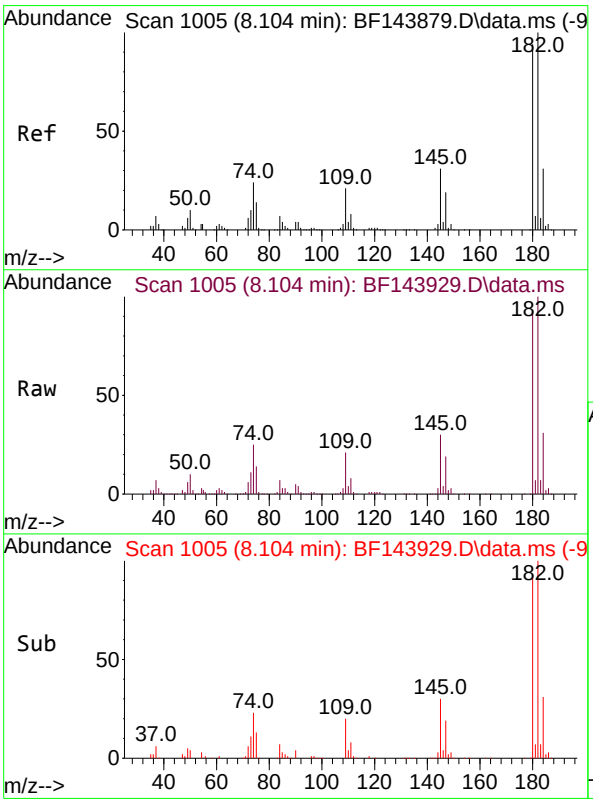
#29
2,4-Dichlorophenol
Concen: 45.388 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:162 Resp: 287943

Ion	Ratio	Lower	Upper
162	100		
164	61.9	43.9	83.9
98	36.5	14.4	54.4

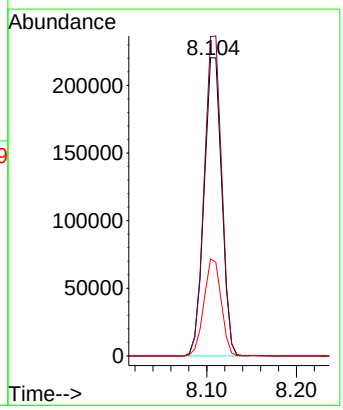


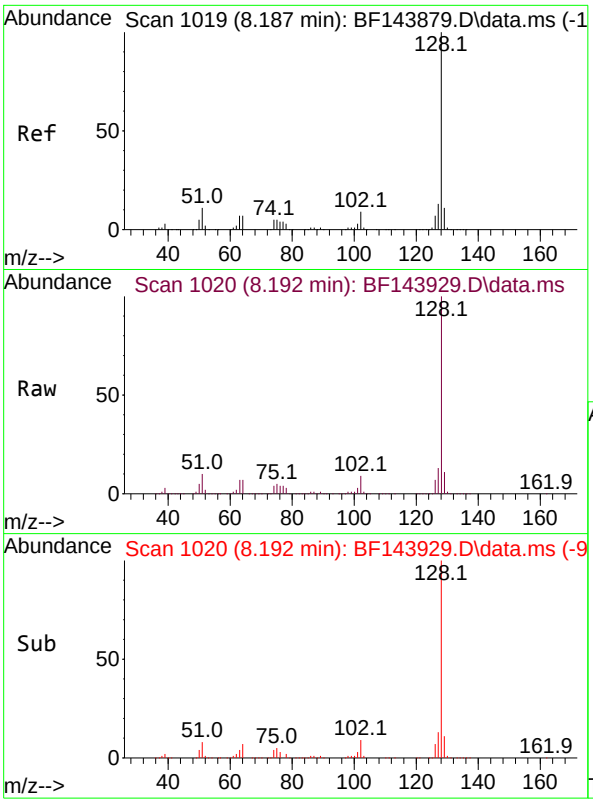


#30
1,2,4-Trichlorobenzene
Concen: 48.115 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:180 Resp: 300197

Ion	Ratio	Lower	Upper
180	100		
182	107.1	85.4	128.0
145	32.5	26.3	39.5



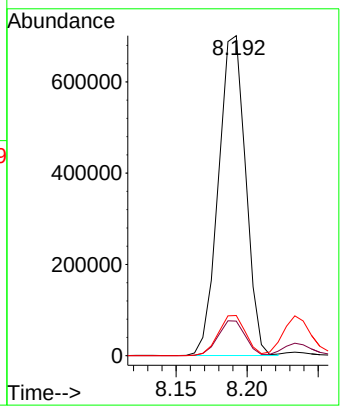


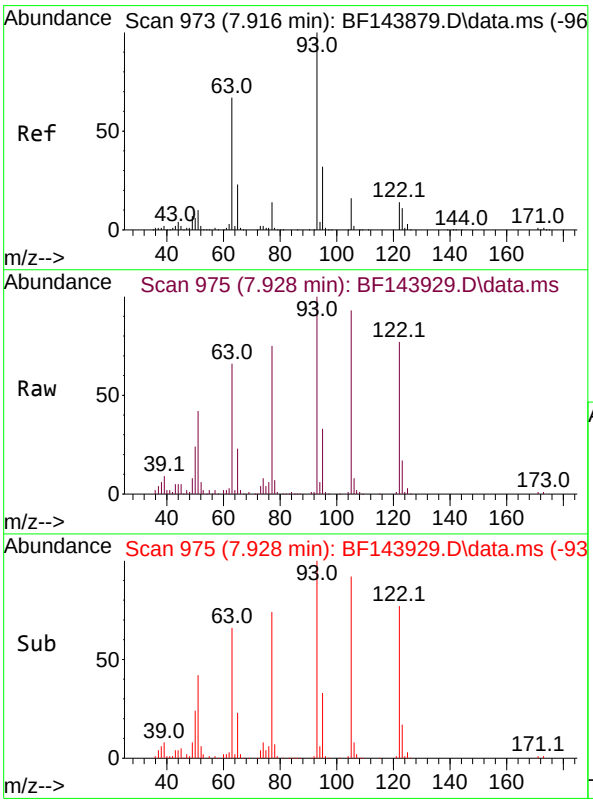
#31
Naphthalene
Concen: 47.423 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:128 Resp: 932005

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.5	10.0	15.0

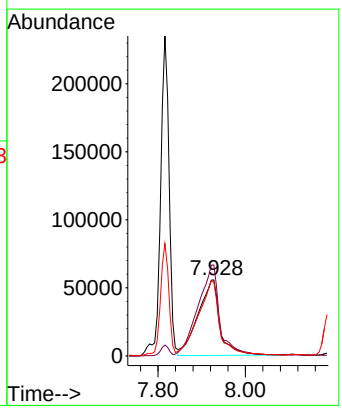


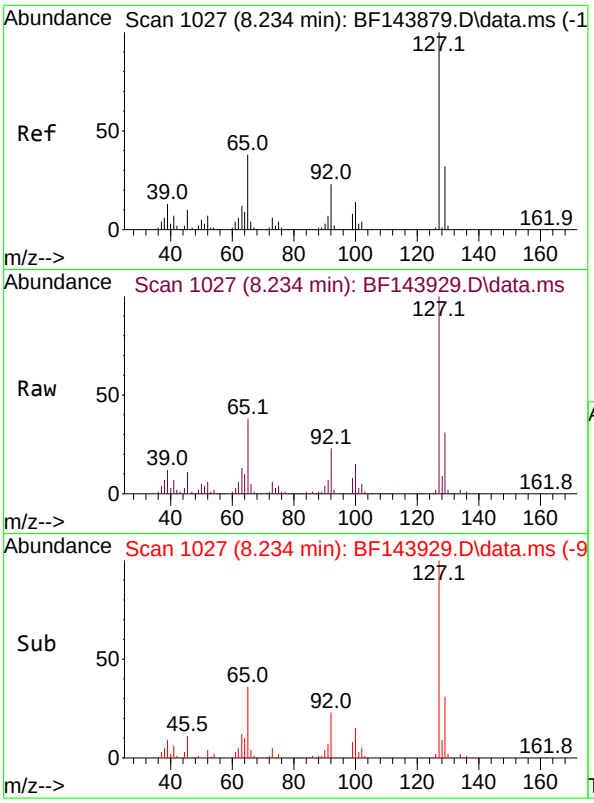


#32
Benzoic acid
Concen: 46.030 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.035 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:122 Resp: 194020

Ion	Ratio	Lower	Upper
122	100		
105	119.8	93.5	133.5
77	96.9	76.3	116.3



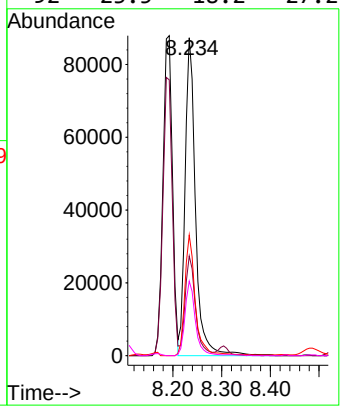


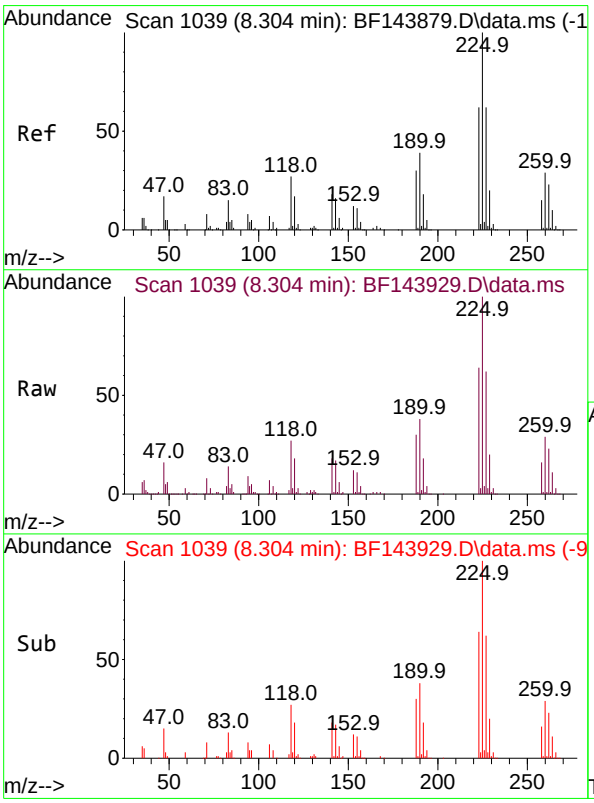
#33
4-Chloroaniline
Concen: 17.696 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:127 Resp: 130435

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.8
65	37.9	30.0	45.0
92	23.5	18.2	27.2

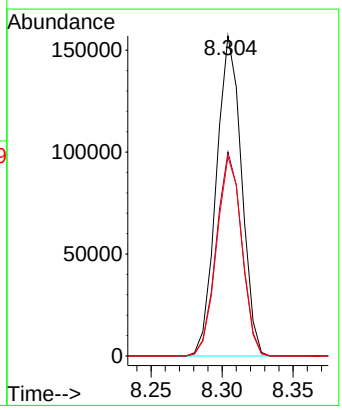


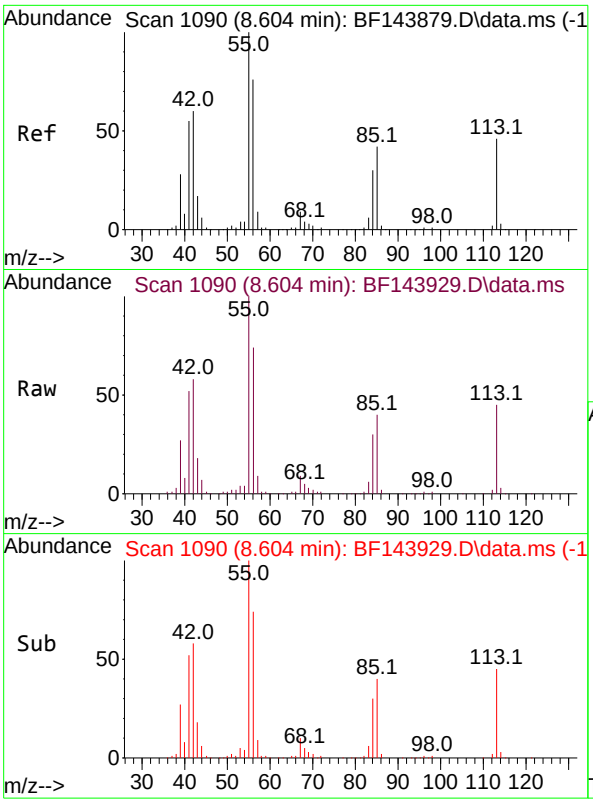


#34
Hexachlorobutadiene
Concen: 44.702 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:225 Resp: 193808

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.4	74.2
227	62.2	49.7	74.5



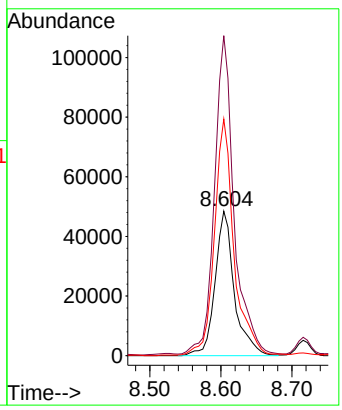


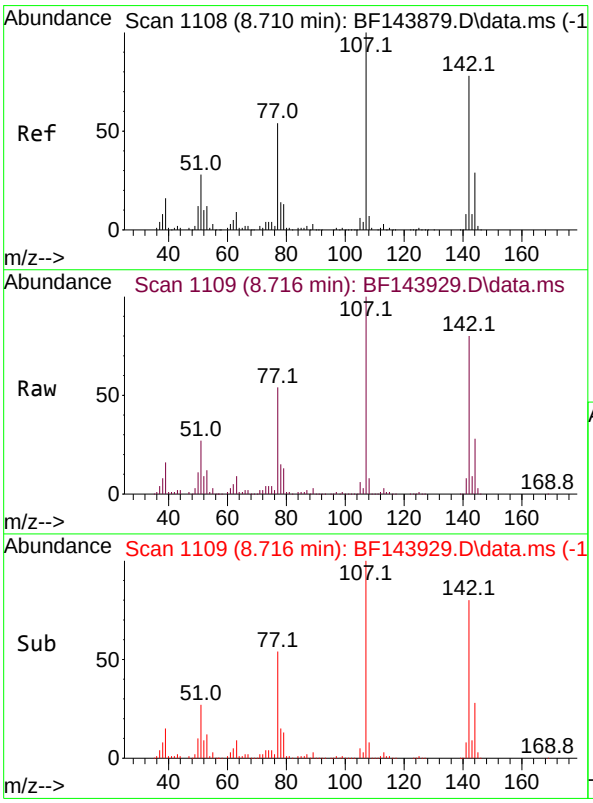
#35
Caprolactam
Concen: 45.357 ng
RT: 8.604 min Scan# 10
Delta R.T. -0.041 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:113 Resp: 91491

Ion	Ratio	Lower	Upper
113	100		
55	221.7	199.6	239.6
56	163.8	146.0	186.0

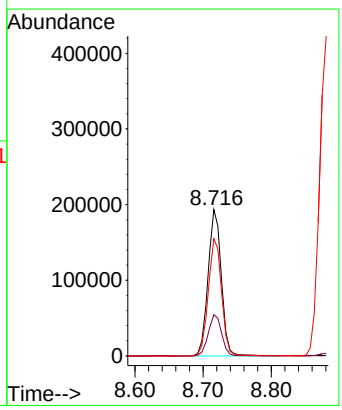


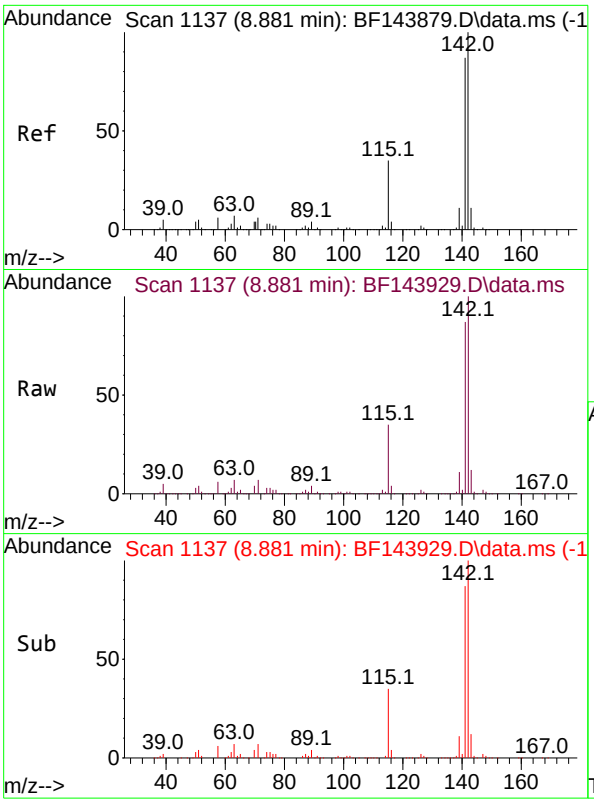


#36
4-Chloro-3-methylphenol
Concen: 42.883 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:107 Resp: 261321

Ion	Ratio	Lower	Upper
107	100		
144	28.2	23.1	34.7
142	80.1	62.6	94.0



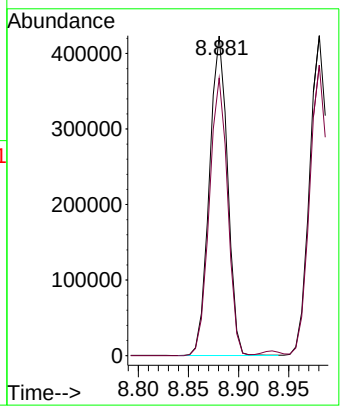


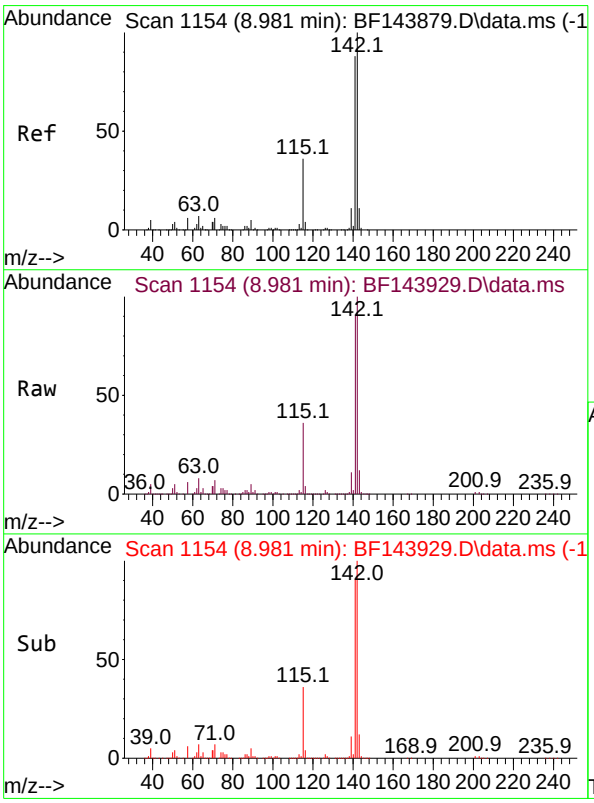
#37
2-Methylnaphthalene
Concen: 40.859 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:142 Resp: 534905

Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.2	103.8

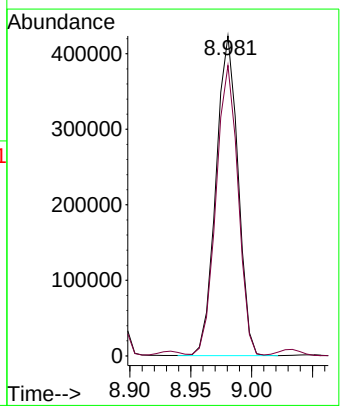


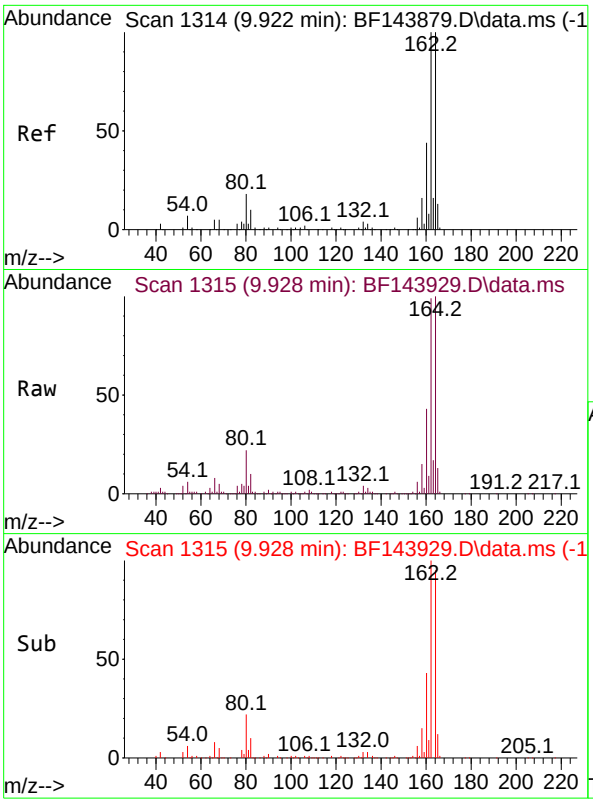


#38
1-Methylnaphthalene
Concen: 41.984 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:142 Resp: 533120

Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.8	106.2



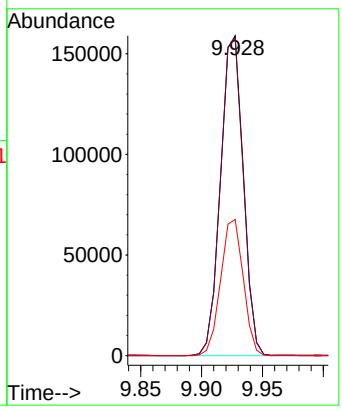


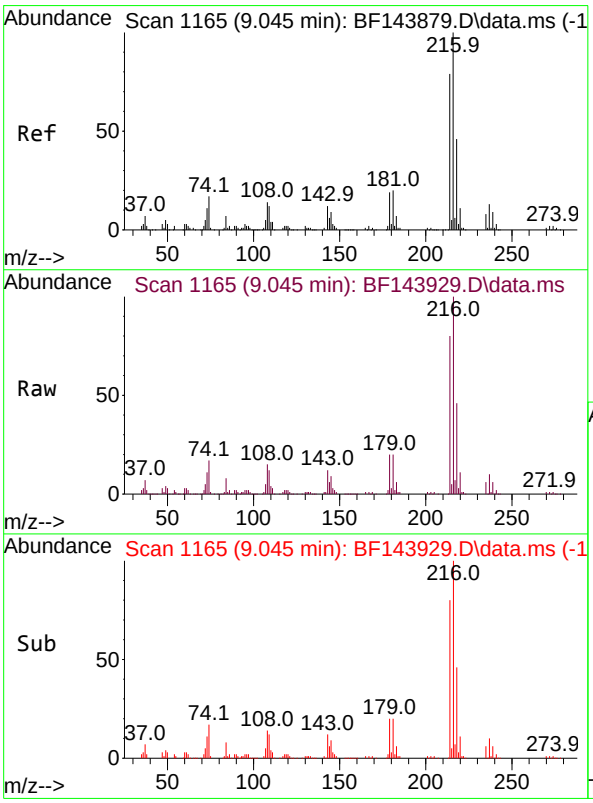
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:164 Resp: 206418

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.2
160	42.5	35.4	53.0

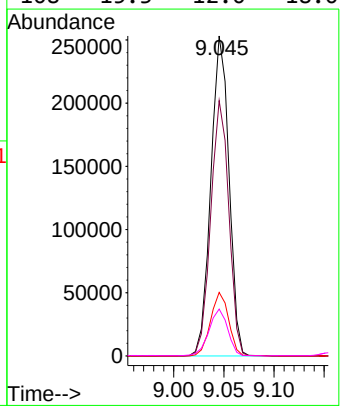


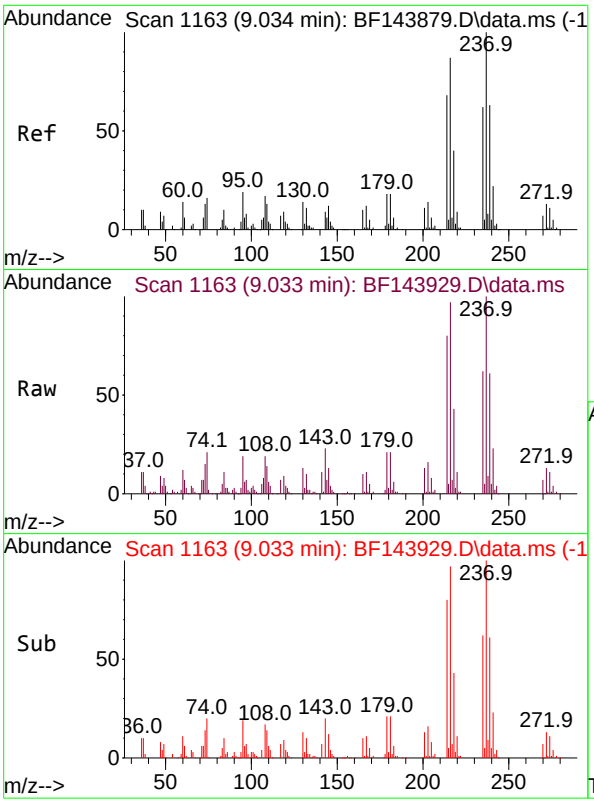


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.612 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:216 Resp: 317275

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.6	94.0
179	19.8	15.4	23.0
108	15.3	12.0	18.0



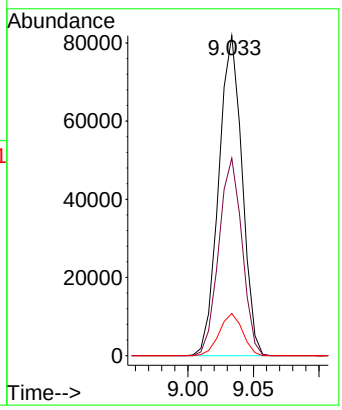


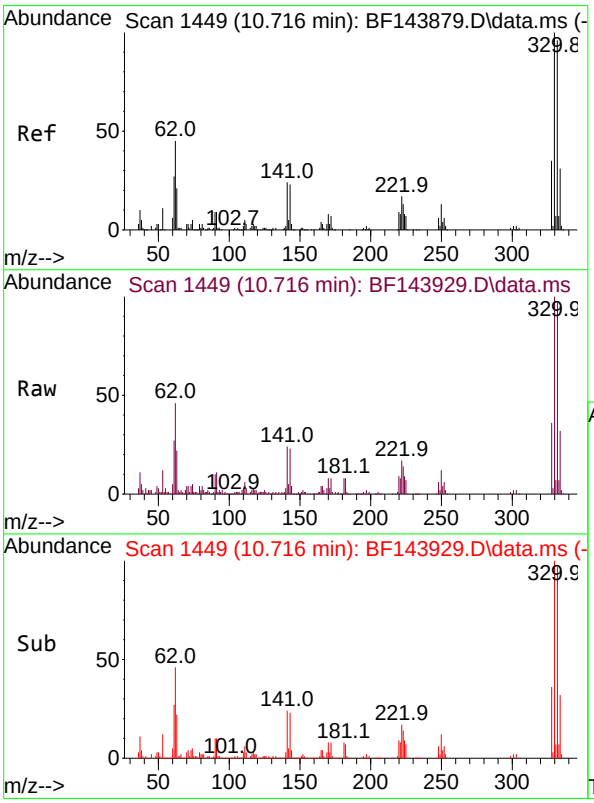
#41
Hexachlorocyclopentadiene
Concen: 42.971 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:237 Resp: 101705

Ion	Ratio	Lower	Upper
237	100		
235	61.7	42.3	82.3
272	13.2	0.0	33.1

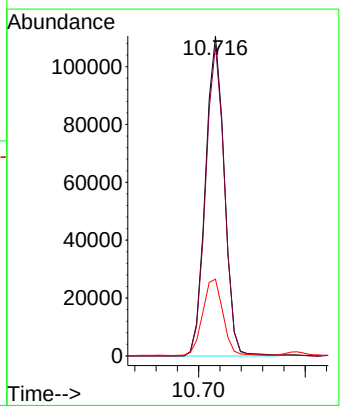


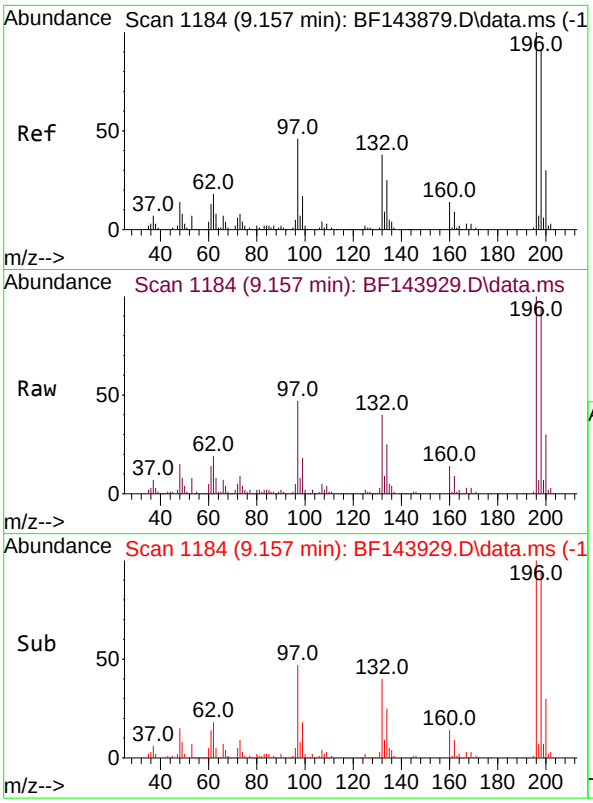


#42
2,4,6-Tribromophenol
Concen: 66.082 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:330 Resp: 135862

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	25.6	20.2	30.4



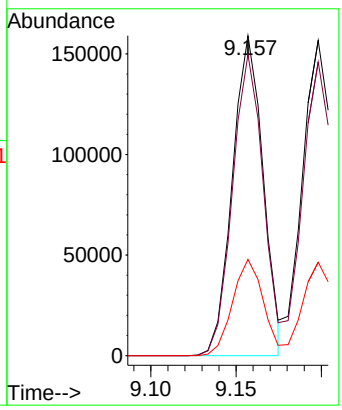


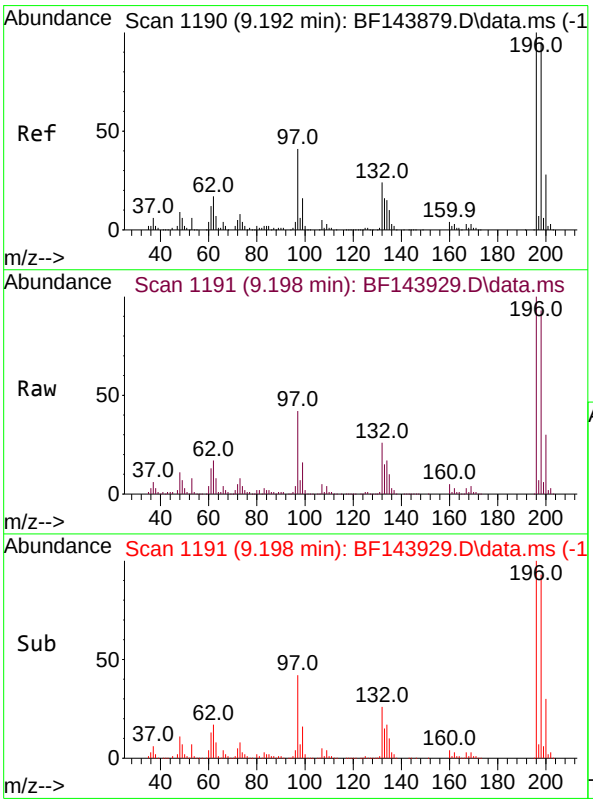
#43
2,4,6-Trichlorophenol
Concen: 47.785 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:196 Resp: 199193

Ion	Ratio	Lower	Upper
196	100		
198	94.1	72.8	109.2
200	30.1	24.0	36.0

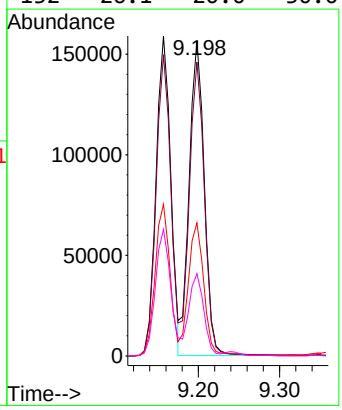


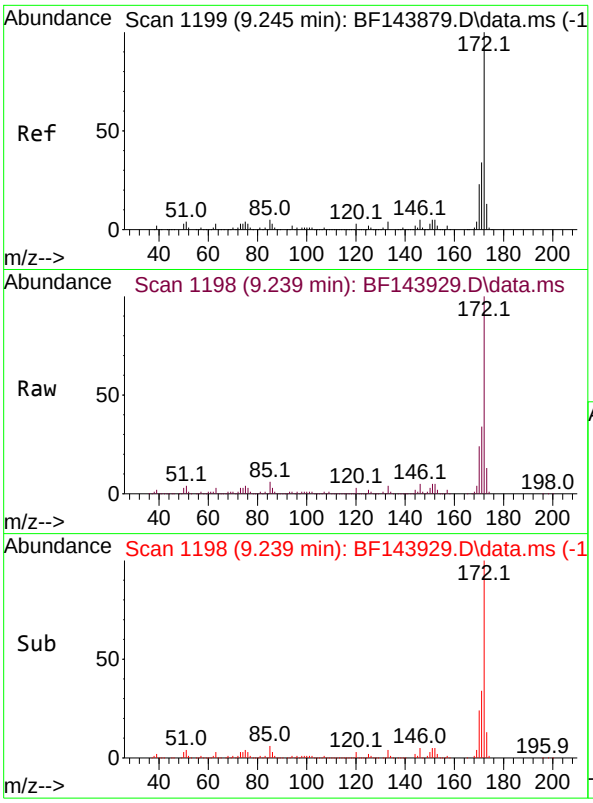


#44
2,4,5-Trichlorophenol
Concen: 45.881 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:196 Resp: 202113

Ion	Ratio	Lower	Upper
196	100		
198	93.2	75.5	113.3
97	42.2	33.9	50.9
132	26.1	20.0	30.0



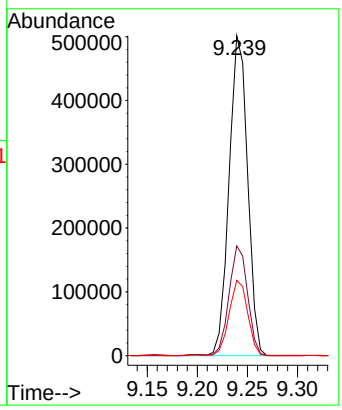


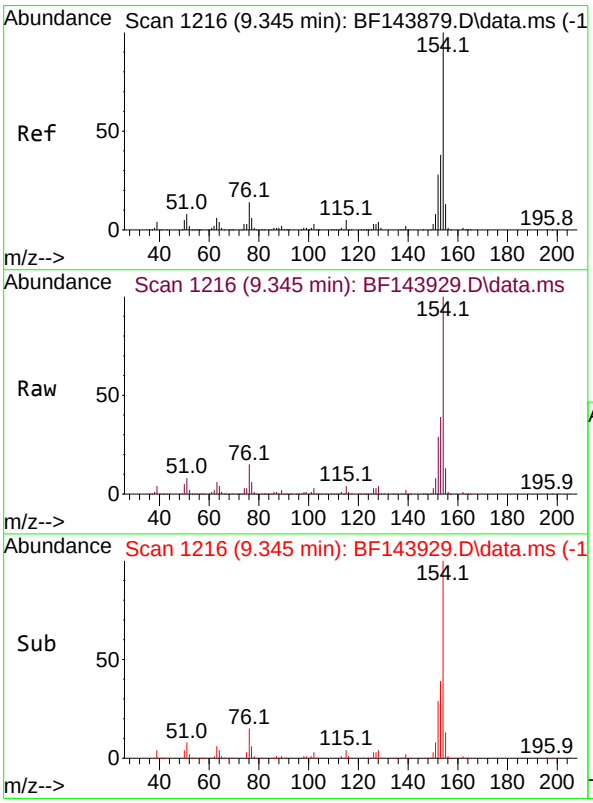
#45
2-Fluorobiphenyl
Concen: 49.386 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:172 Resp: 642465

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.5	18.6	28.0

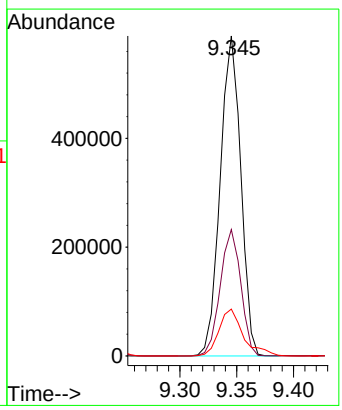


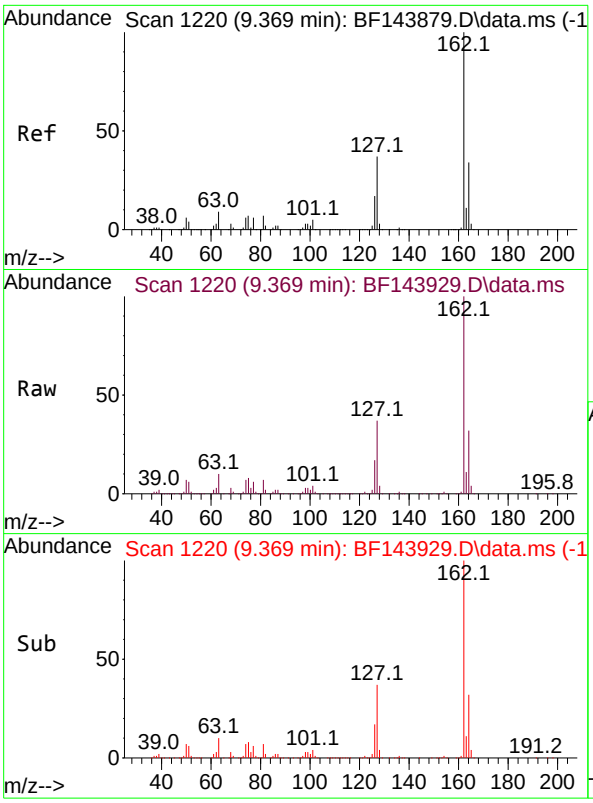


#46
1,1'-Biphenyl
Concen: 54.100 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:154 Resp: 739365

Ion	Ratio	Lower	Upper
154	100		
153	39.5	18.4	58.4
76	14.6	0.0	34.0



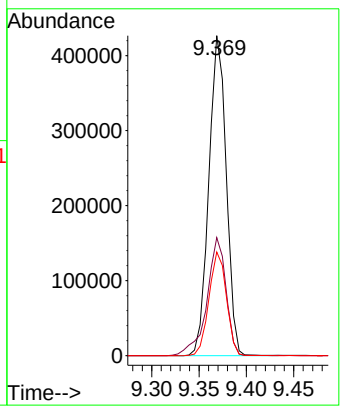


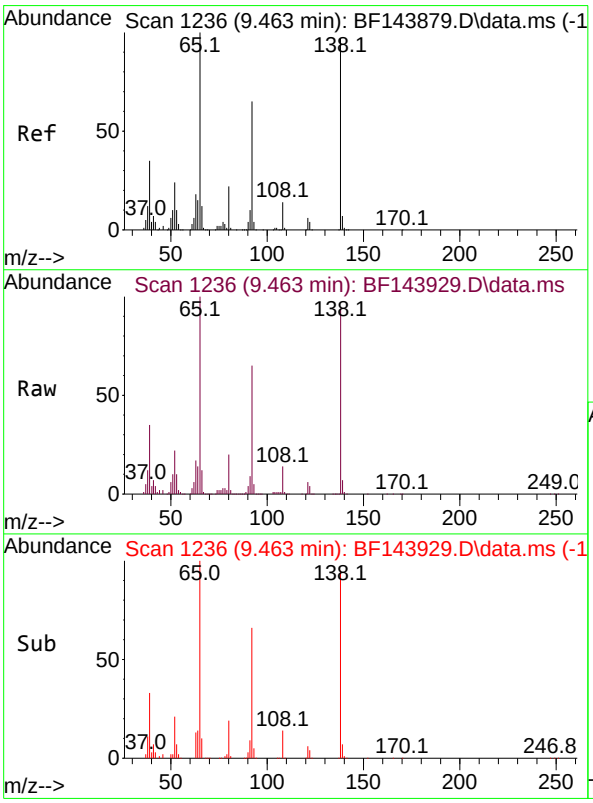
#47
2-Chloronaphthalene
Concen: 48.035 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:162 Resp: 547343

Ion	Ratio	Lower	Upper
162	100		
127	36.9	30.2	45.2
164	32.4	26.9	40.3

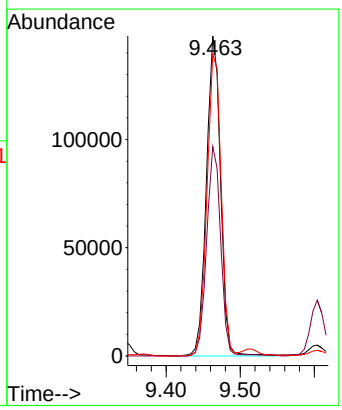


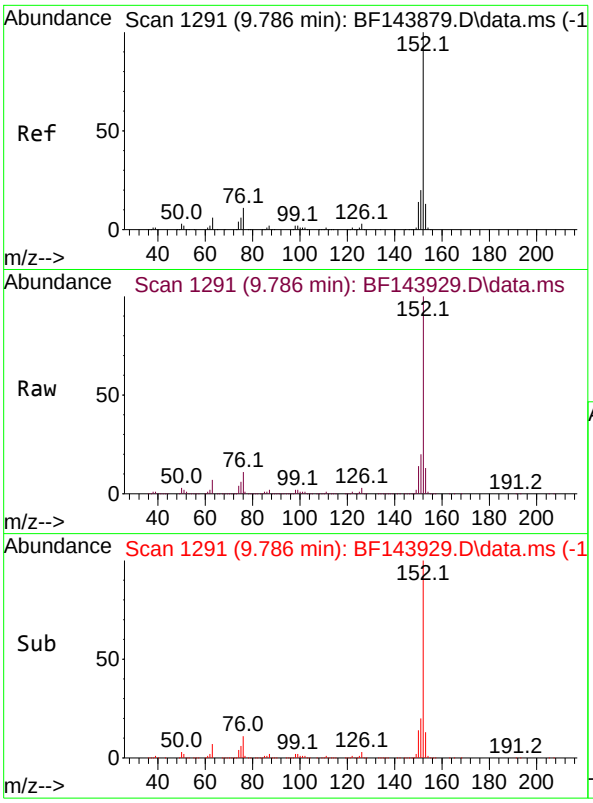


#48
2-Nitroaniline
Concen: 54.273 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion: 65 Resp: 195519

Ion	Ratio	Lower	Upper
65	100		
92	65.4	52.1	78.1
138	94.2	77.4	116.2



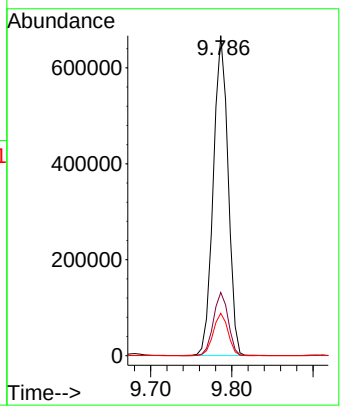


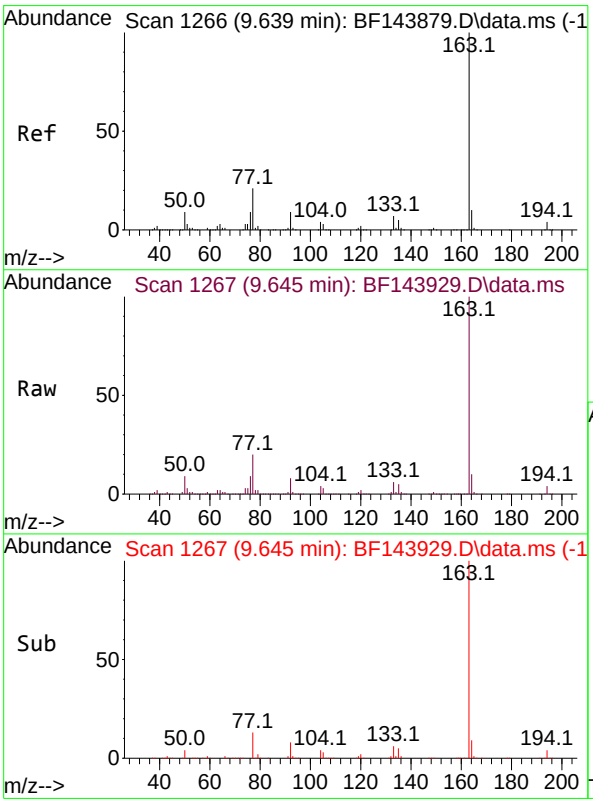
#49
Acenaphthylene
Concen: 52.605 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:152 Resp: 842706

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.5	15.7

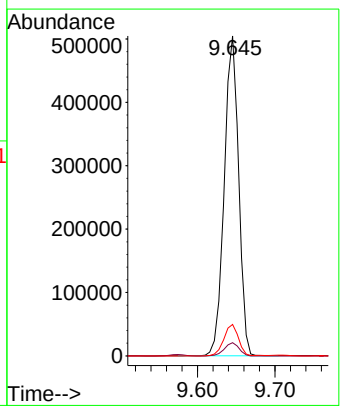


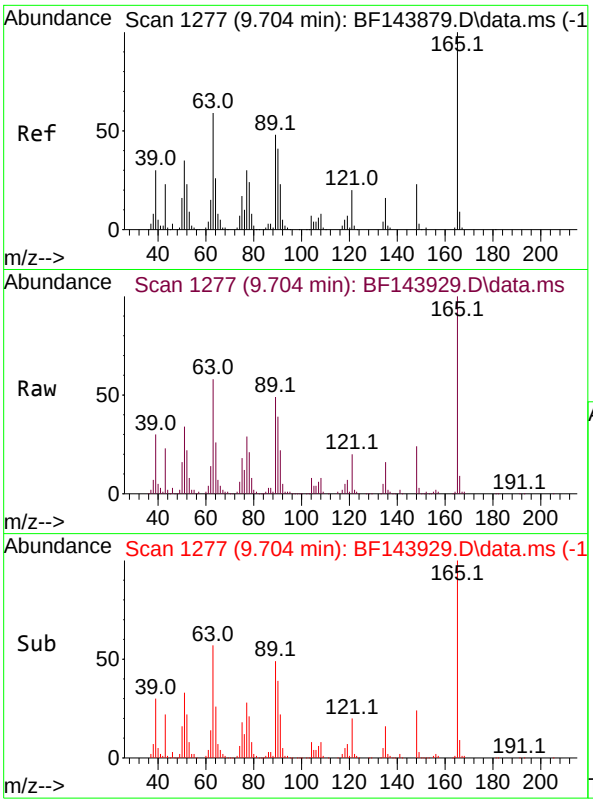


#50
Dimethylphthalate
Concen: 49.783 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:163 Resp: 652573

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	8.1	12.1



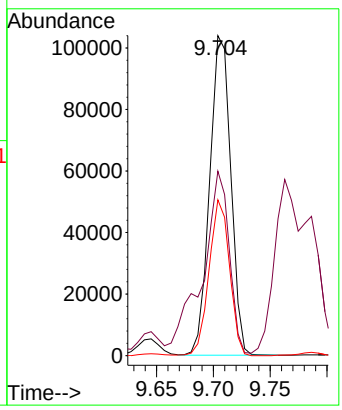


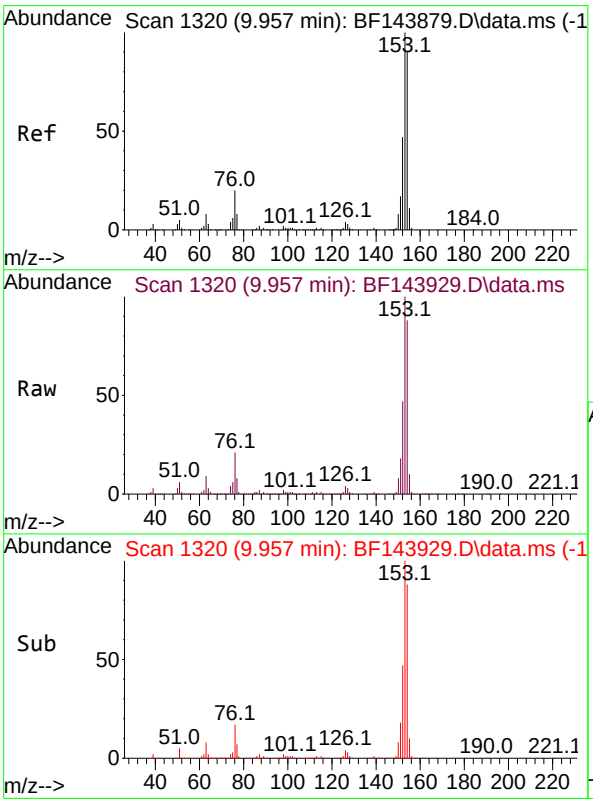
#51
2,6-Dinitrotoluene
Concen: 55.258 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:165 Resp: 134316

Ion	Ratio	Lower	Upper
165	100		
63	57.6	47.3	70.9
89	48.7	38.2	57.4

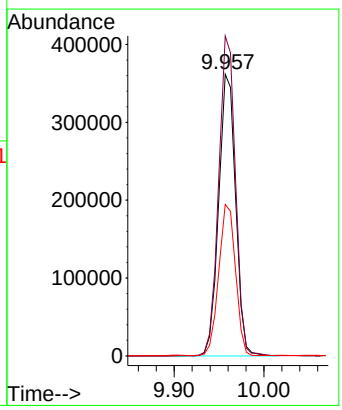


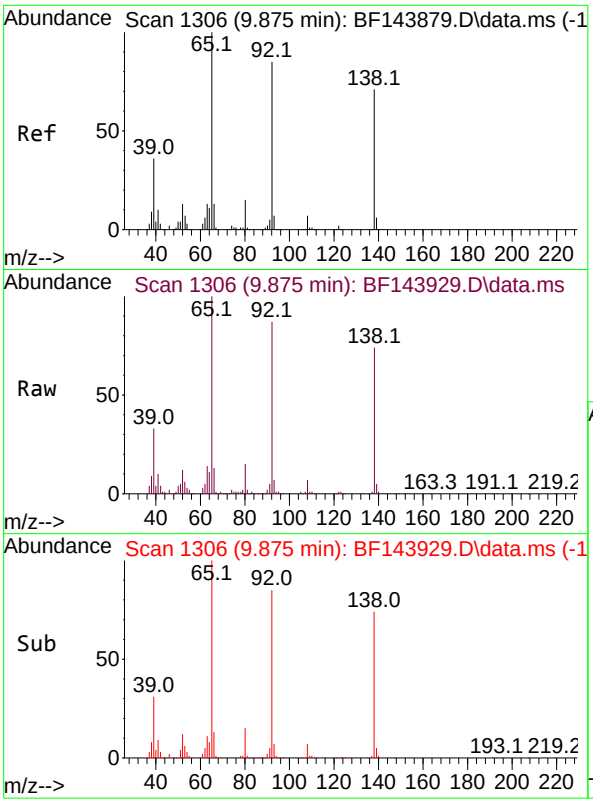


#52
Acenaphthene
Concen: 45.519 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:154 Resp: 477808

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.3	133.9
152	53.8	42.2	63.2



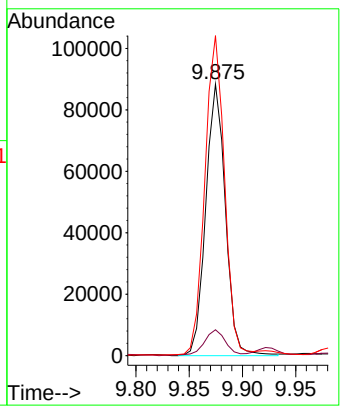


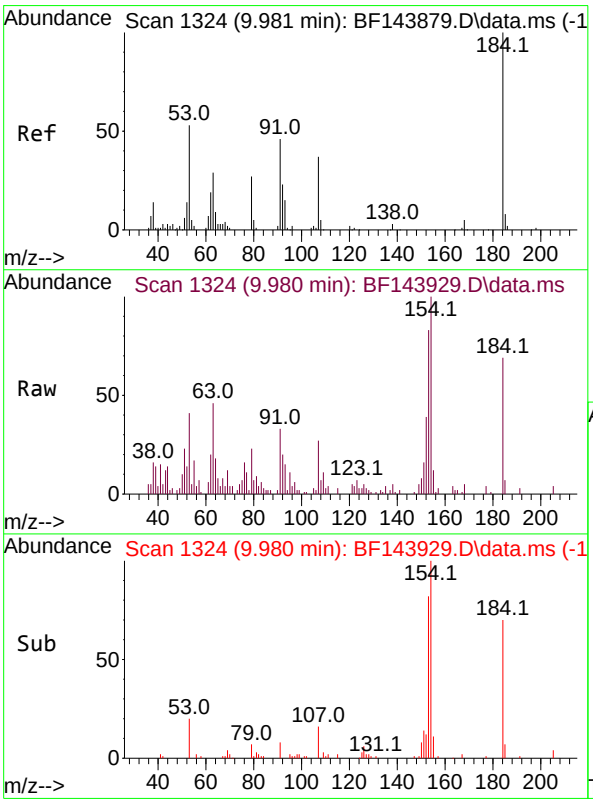
#53
3-Nitroaniline
Concen: 37.985 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:138 Resp: 113053

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.3	12.5
92	117.9	96.2	144.2

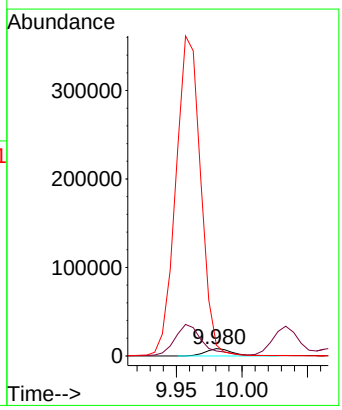


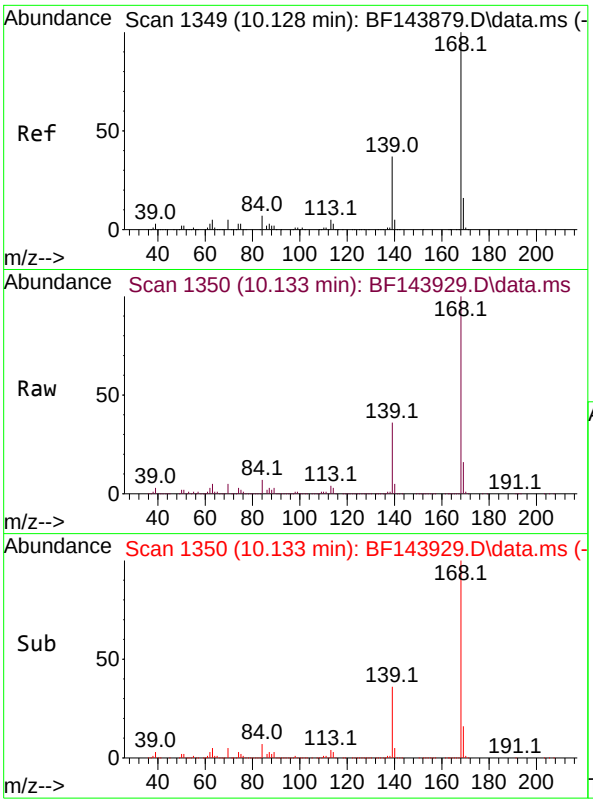


#54
2,4-Dinitrophenol
Concen: 14.081 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:184 Resp: 11722

Ion	Ratio	Lower	Upper
184	100		
63	67.0	48.2	72.4
154	145.1	49.2	73.8#



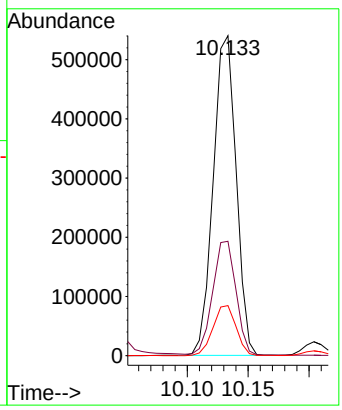


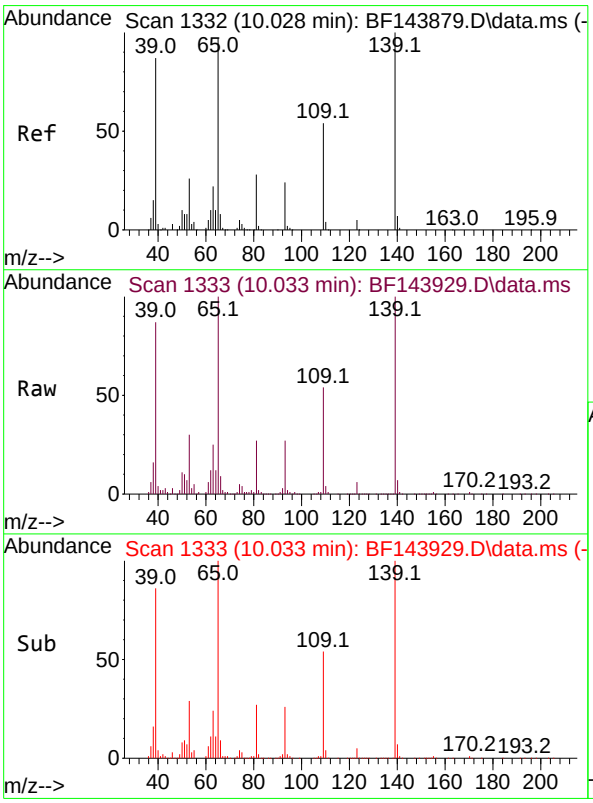
#55
Dibenzofuran
Concen: 47.752 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:168 Resp: 707567

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.8	44.8
169	15.6	12.8	19.2

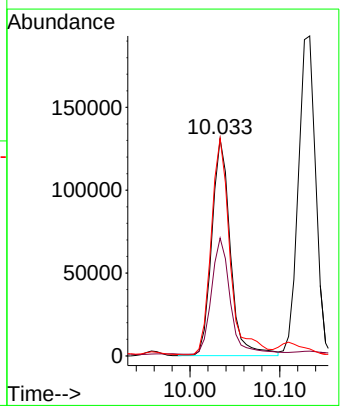


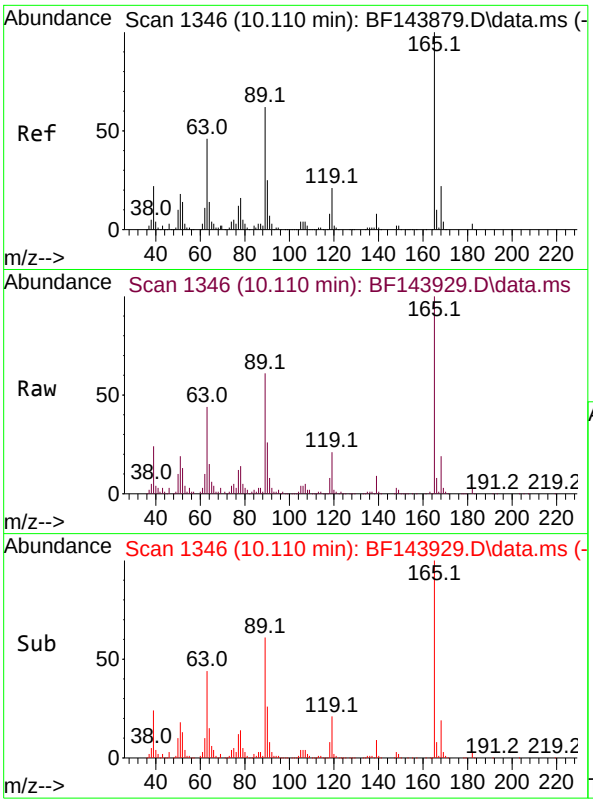


#56
4-Nitrophenol
Concen: 83.288 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:139 Resp: 187692

Ion	Ratio	Lower	Upper
139	100		
109	54.3	34.5	74.5
65	100.3	77.6	117.6



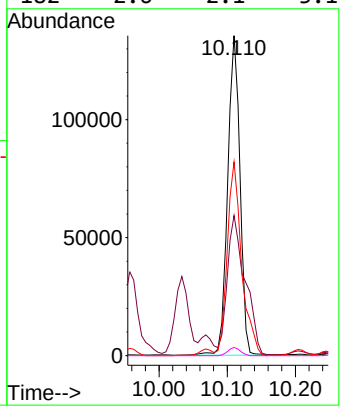


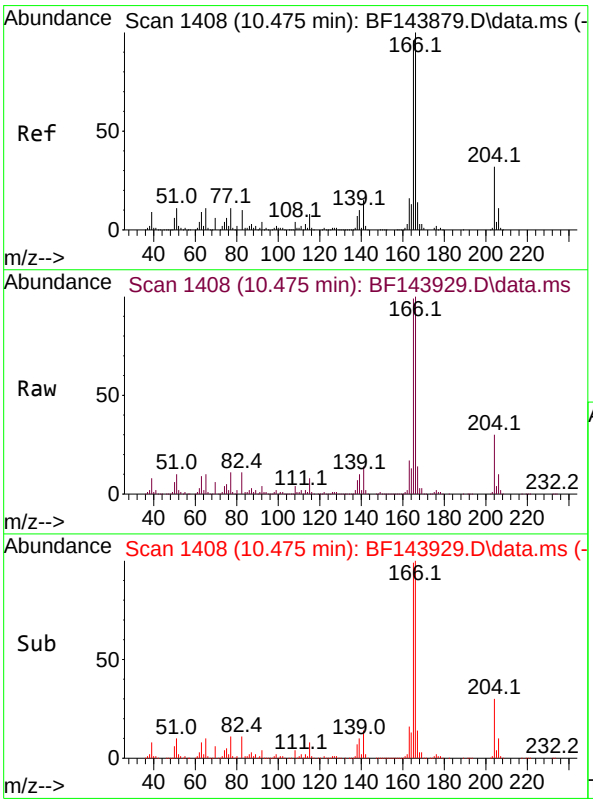
#57
2,4-Dinitrotoluene
Concen: 51.103 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:165 Resp: 169013

Ion	Ratio	Lower	Upper
165	100		
63	43.8	37.2	55.8
89	60.5	49.4	74.2
182	2.6	2.1	3.1

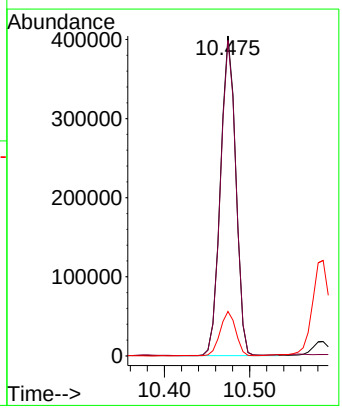


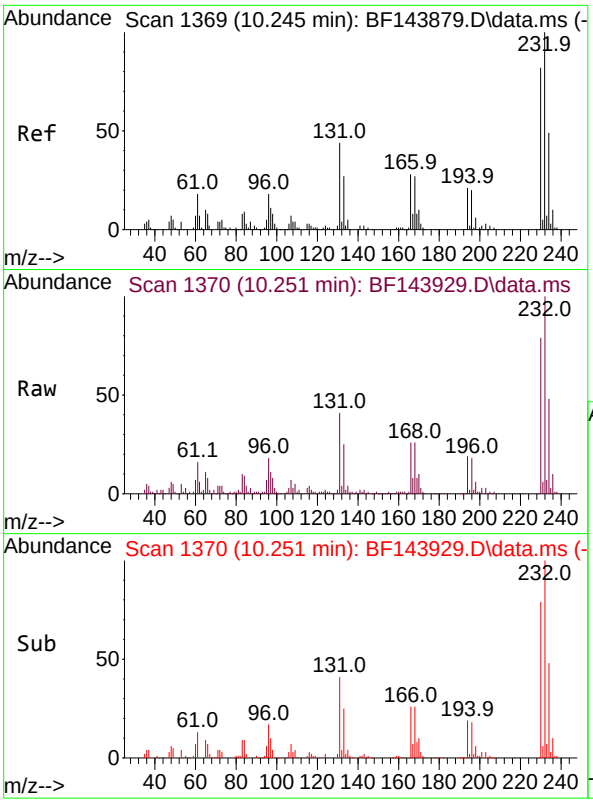


#58
Fluorene
Concen: 45.277 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:166 Resp: 506230

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.0	115.6
167	13.9	11.1	16.7



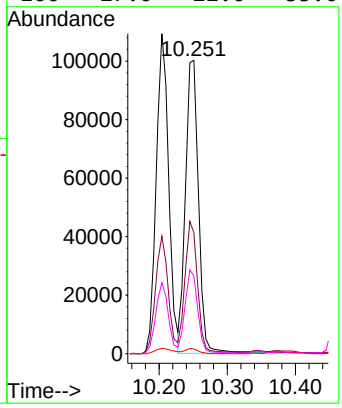


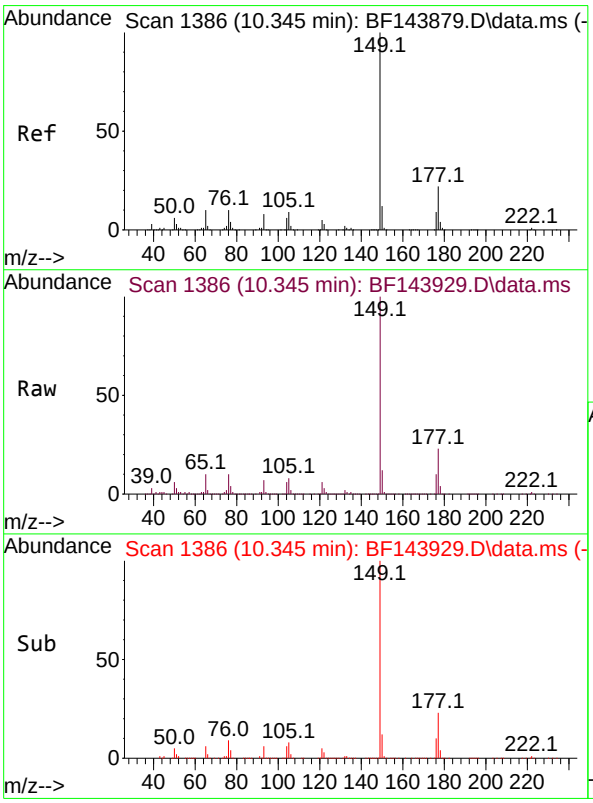
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.853 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:232 Resp: 133629

Ion	Ratio	Lower	Upper
232	100		
131	43.0	34.9	52.3
130	1.8	1.6	2.4
166	27.0	22.0	33.0

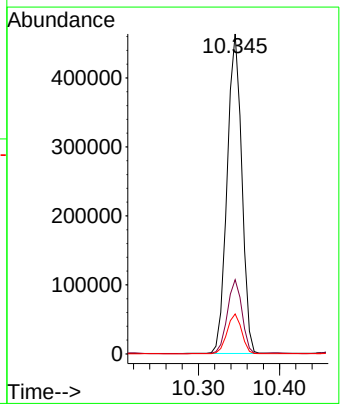


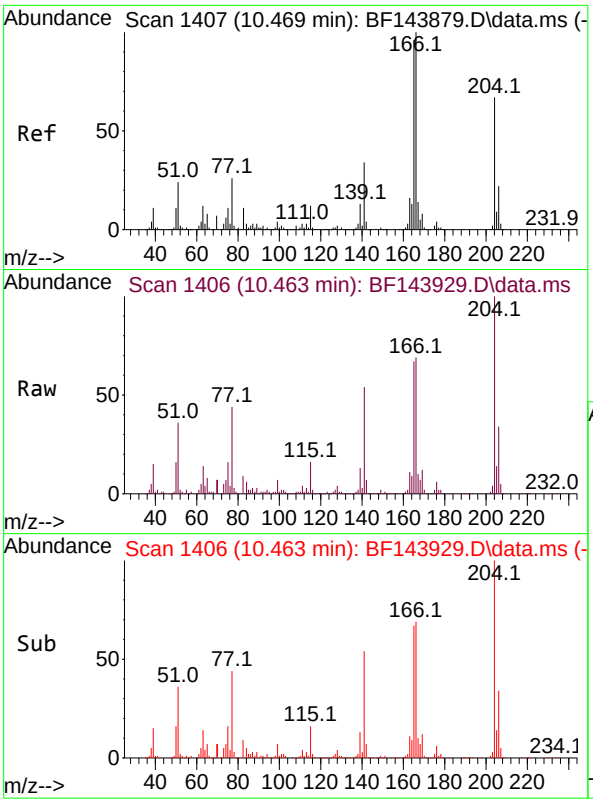


#60
Diethylphthalate
Concen: 47.603 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:149 Resp: 579699

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	12.5	9.8	14.8



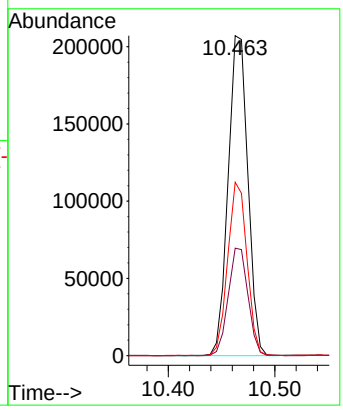


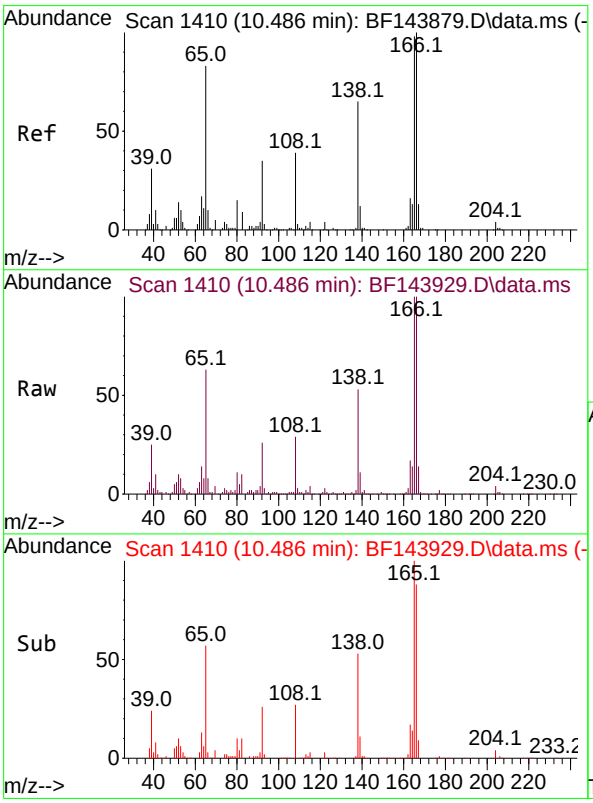
#61
4-Chlorophenyl-phenylether
Concen: 45.231 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:204 Resp: 267368

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.6	40.0
141	54.2	40.4	60.6

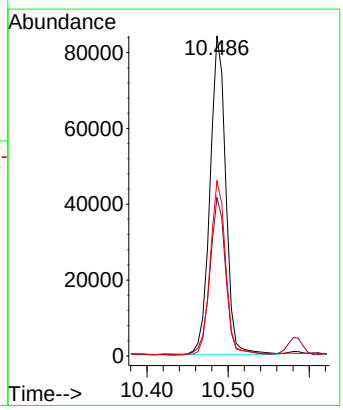


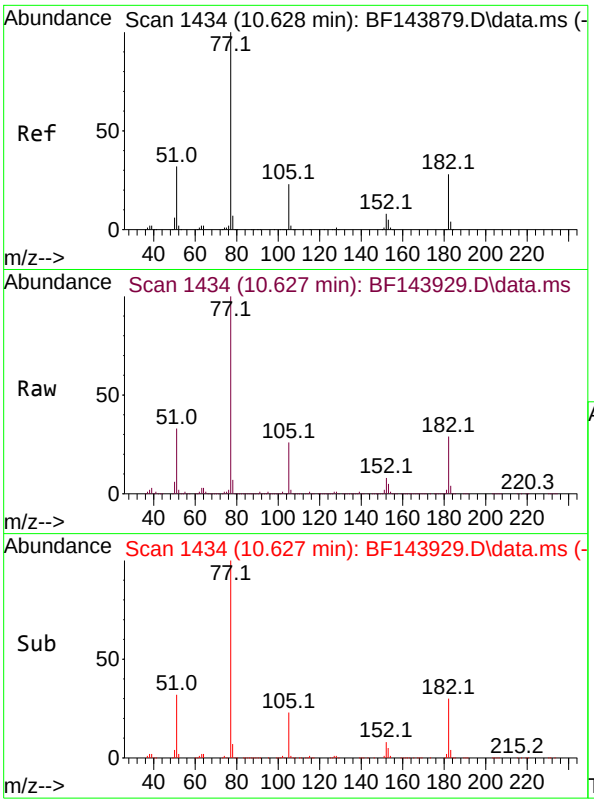


#62
4-Nitroaniline
Concen: 39.577 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:138 Resp: 113273

Ion	Ratio	Lower	Upper
138	100		
92	49.4	33.9	73.9
108	54.6	40.2	80.2



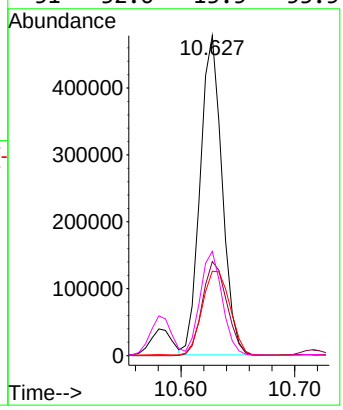


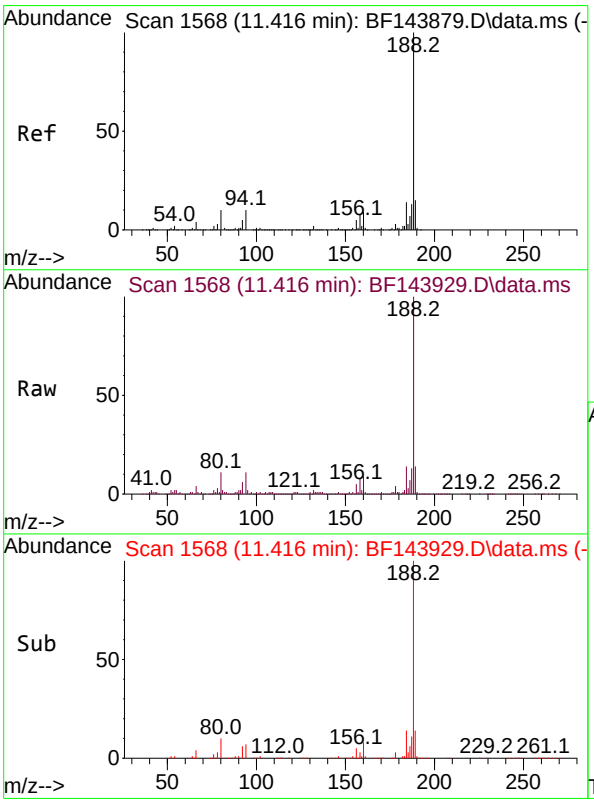
#63
Azobenzene
Concen: 50.224 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion: 77 Resp: 639220

Ion	Ratio	Lower	Upper
77	100		
182	29.4	7.3	47.3
105	26.4	3.0	43.0
51	32.6	13.5	53.5

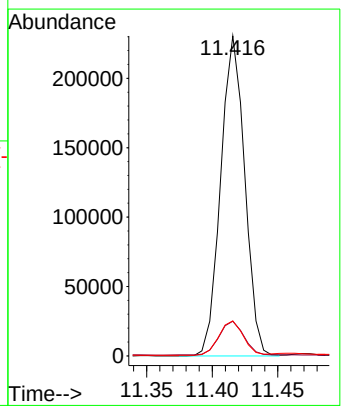


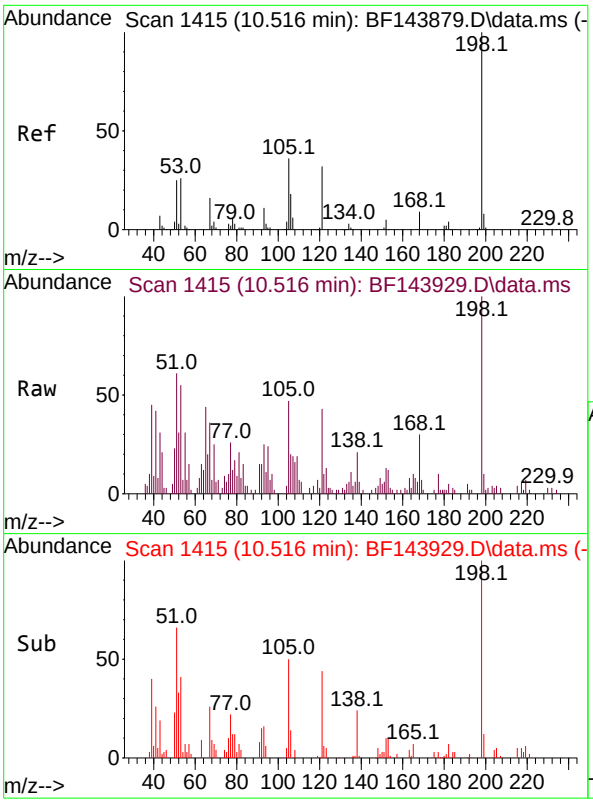


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:188 Resp: 294129

Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.8	11.6
80	10.9	7.9	11.9



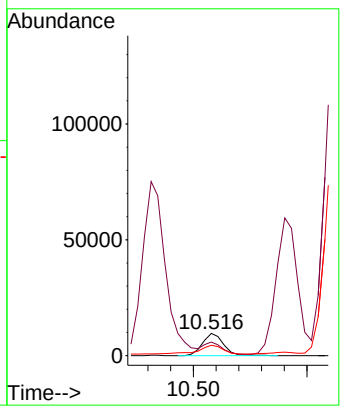


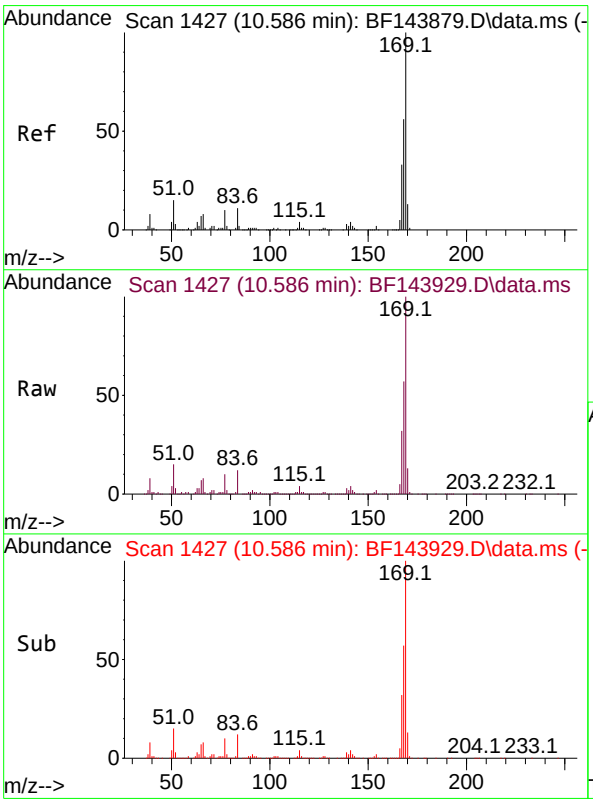
#65
4,6-Dinitro-2-methylphenol
Concen: 8.240 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:198 Resp: 12180

Ion	Ratio	Lower	Upper
198	100		
51	60.9	33.8	73.8
105	47.1	17.0	57.0

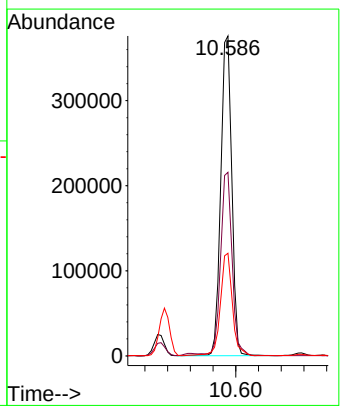


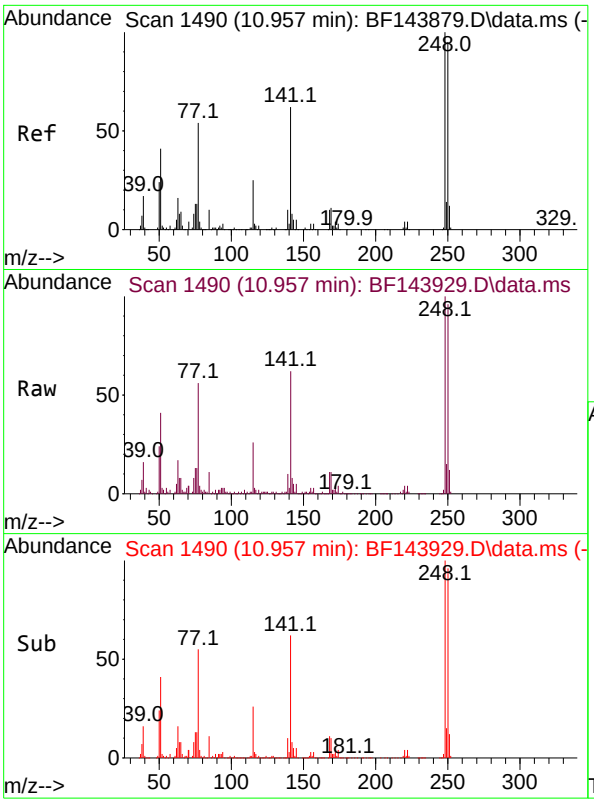


#66
n-Nitrosodiphenylamine
Concen: 54.520 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:169 Resp: 503512

Ion	Ratio	Lower	Upper
169	100		
168	57.4	44.9	67.3
167	32.1	26.3	39.5



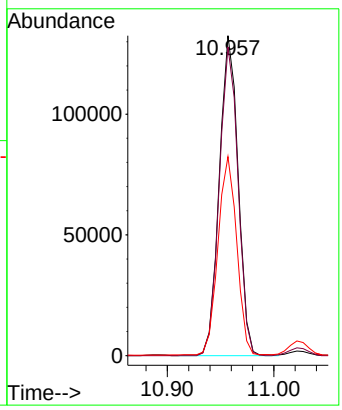


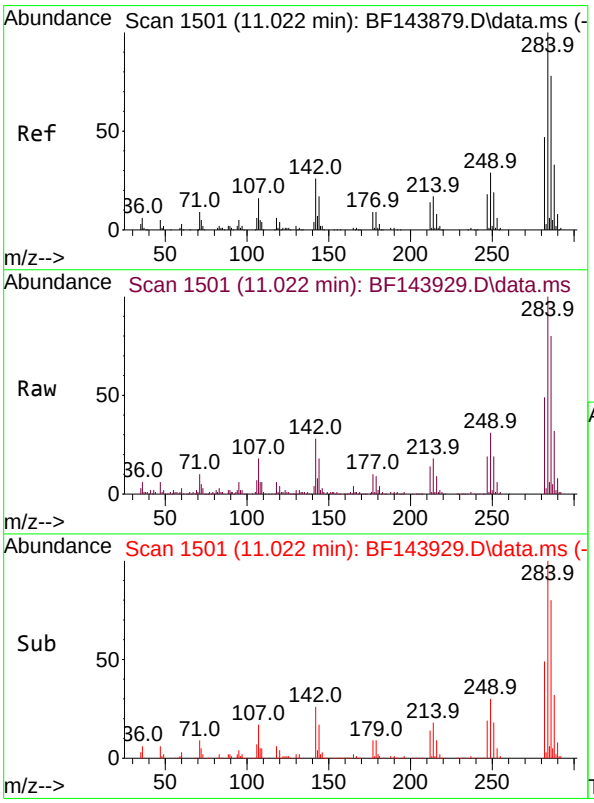
#67
4-Bromophenyl-phenylether
Concen: 50.236 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:248 Resp: 163297

Ion	Ratio	Lower	Upper
248	100		
250	96.5	76.3	114.5
141	62.2	49.7	74.5

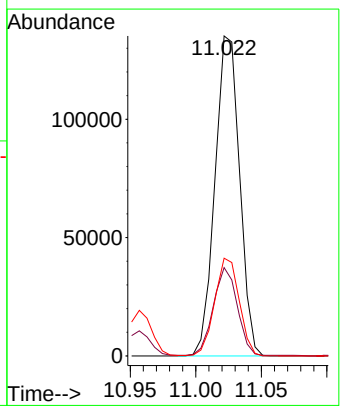


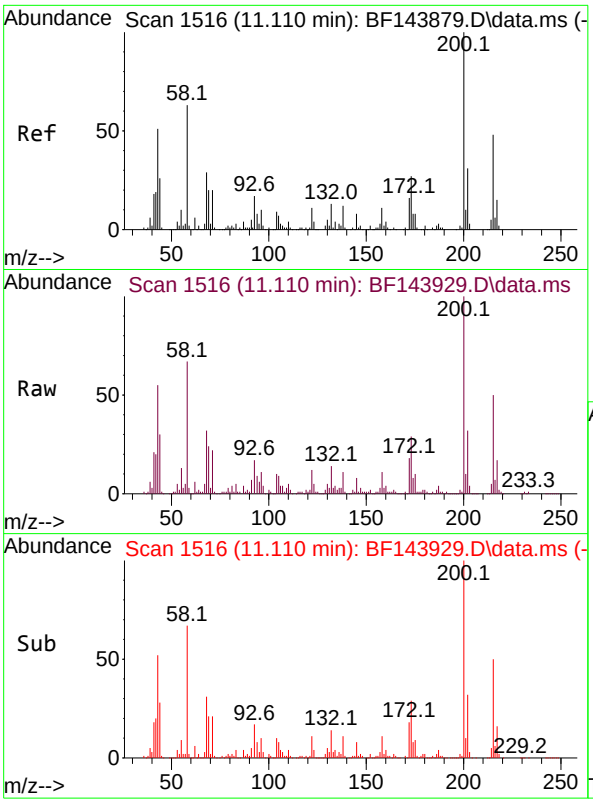


#68
Hexachlorobenzene
Concen: 46.988 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:284 Resp: 176825

Ion	Ratio	Lower	Upper
284	100		
142	27.6	20.6	30.8
249	30.5	23.2	34.8



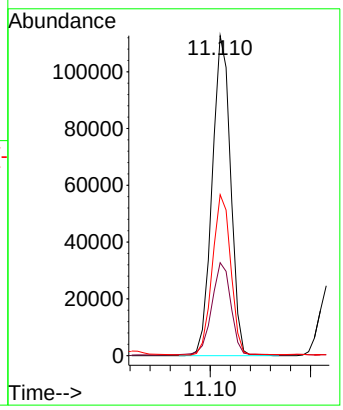


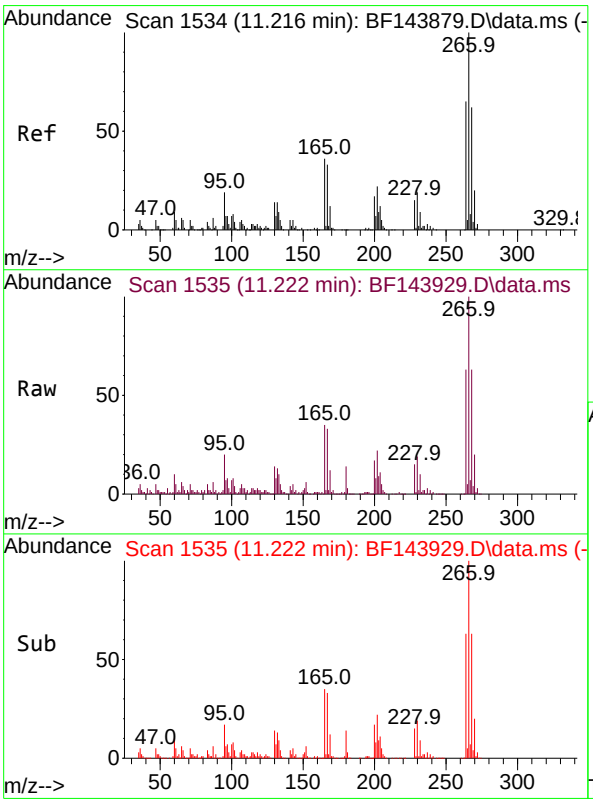
#69
Atrazine
Concen: 51.420 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:200 Resp: 143934

Ion	Ratio	Lower	Upper
200	100		
173	29.0	7.0	47.0
215	50.3	27.8	67.8

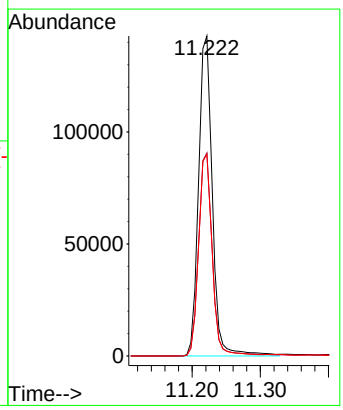


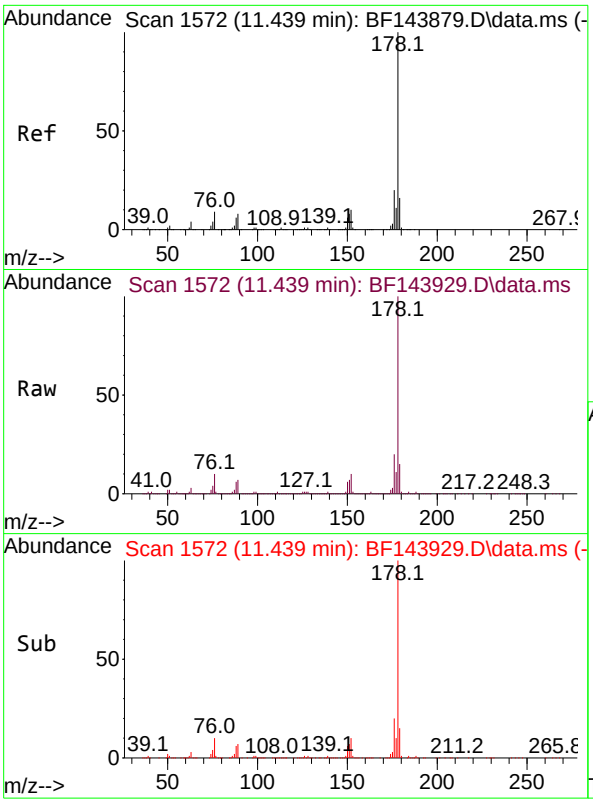


#70
Pentachlorophenol
Concen: 92.938 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:266 Resp: 200869

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.4	74.0
264	63.0	51.8	77.6



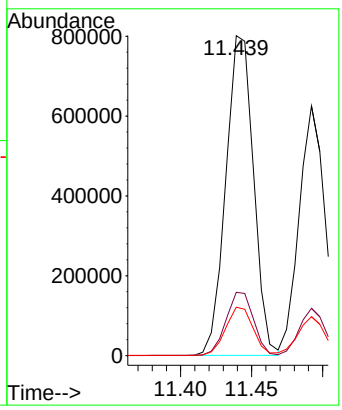


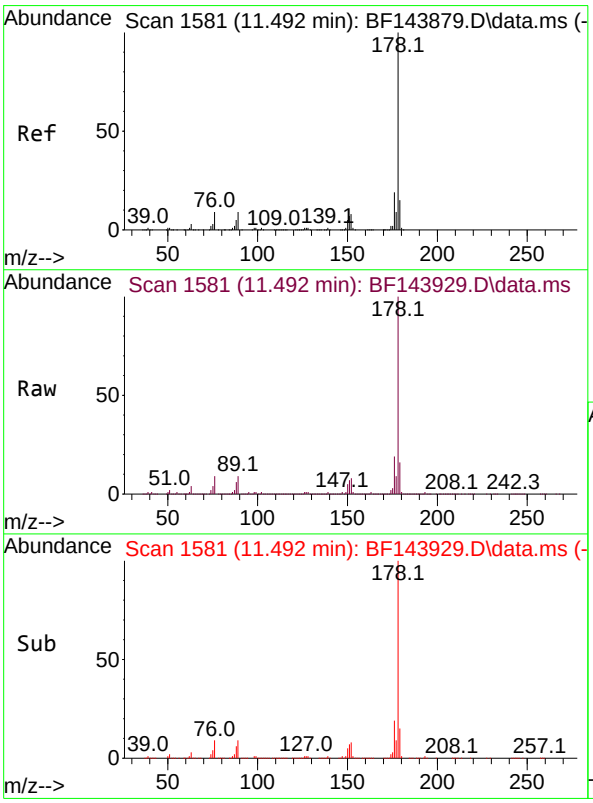
#71
Phenanthrene
Concen: 76.225 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:178 Resp: 1086924

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.1	12.4	18.6

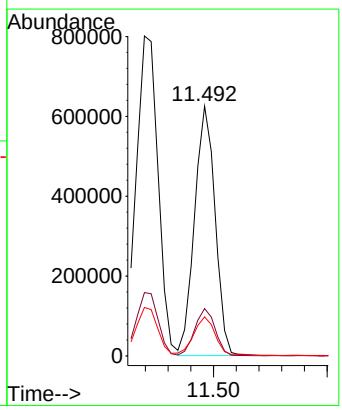


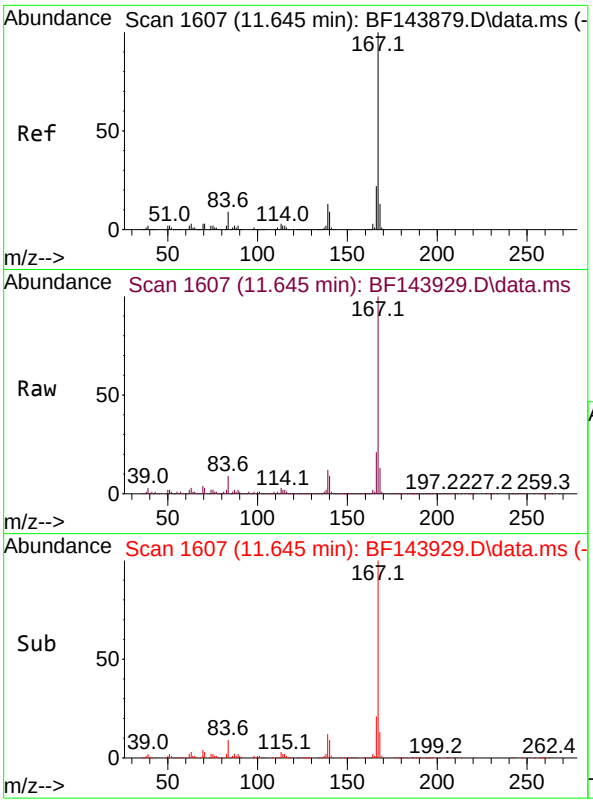


#72
Anthracene
Concen: 54.518 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:178 Resp: 785356

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.6	12.2	18.2



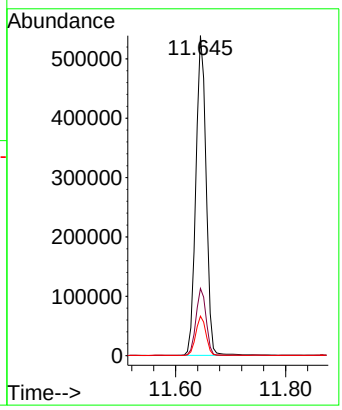


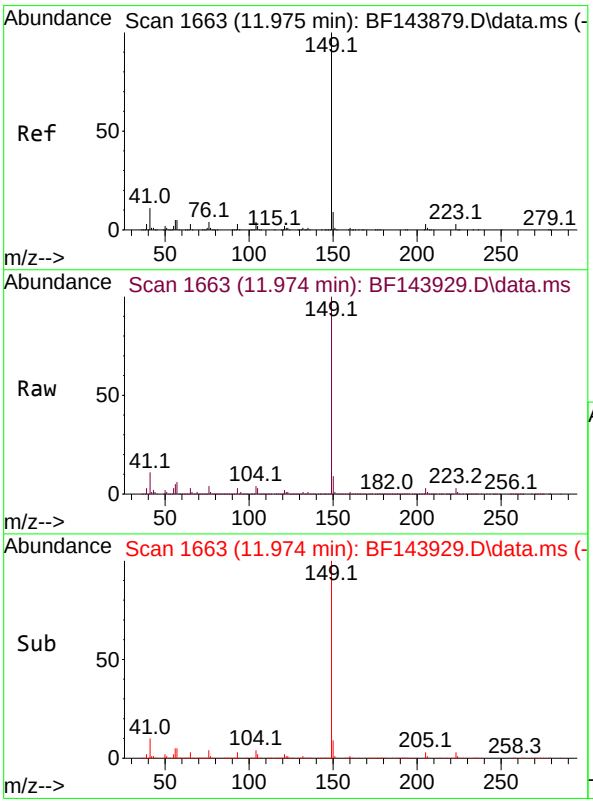
#73
Carbazole
Concen: 54.651 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:167 Resp: 697255

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.3	10.1	15.1

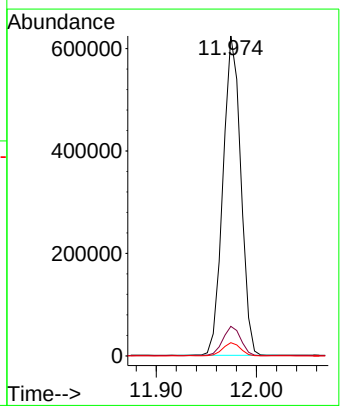


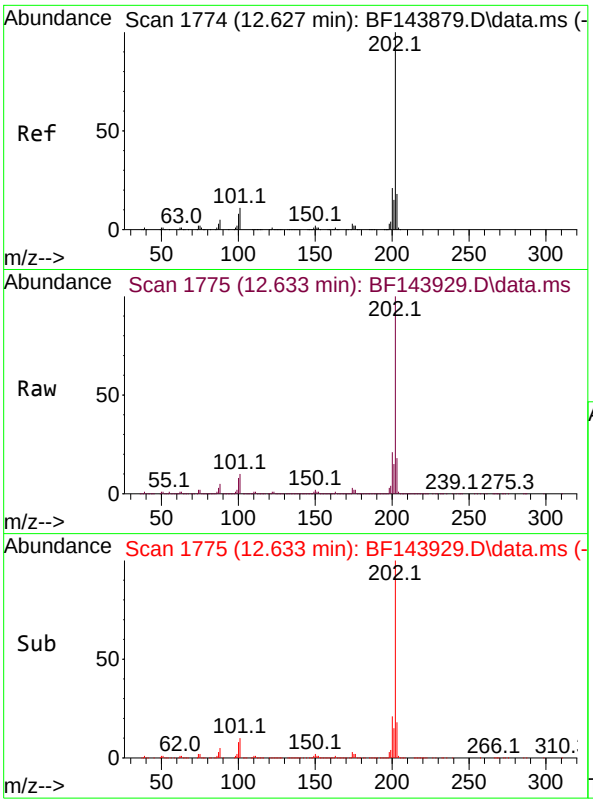


#74
Di-n-butylphthalate
Concen: 52.216 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:149 Resp: 772095

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.1	3.4	5.2



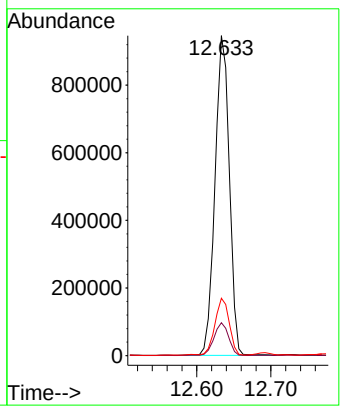


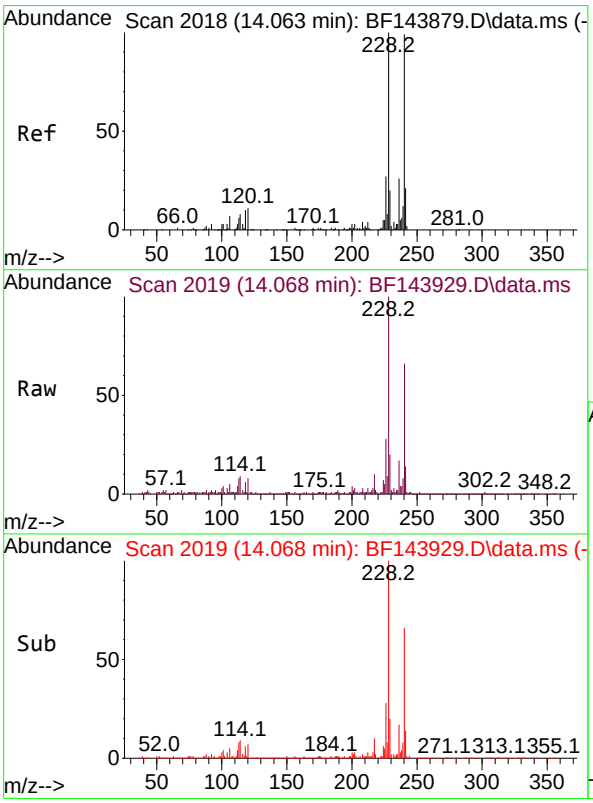
#75
Fluoranthene
Concen: 86.345 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:202 Resp: 1271771

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.7
203	17.9	0.0	37.8

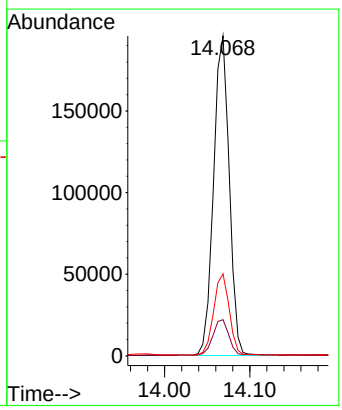


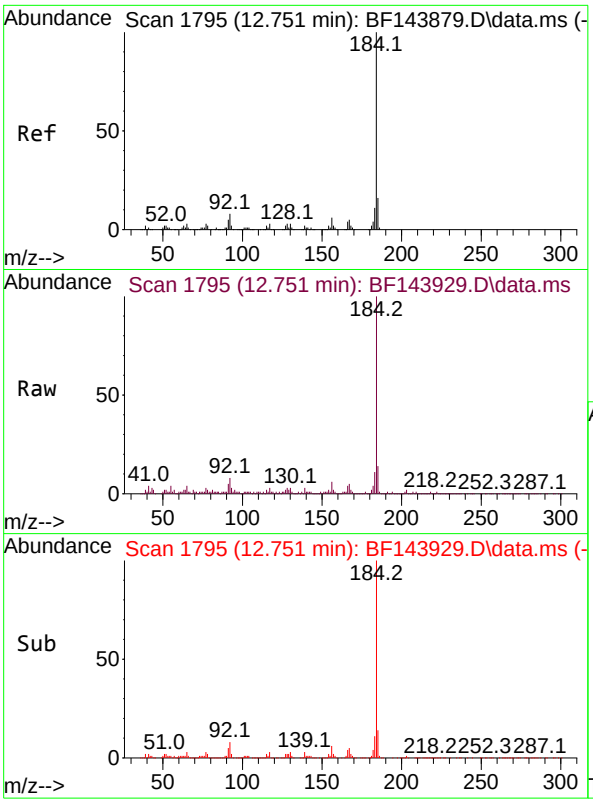


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:240 Resp: 250086

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	25.6	21.1	31.7



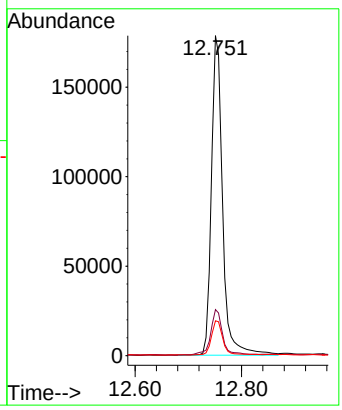


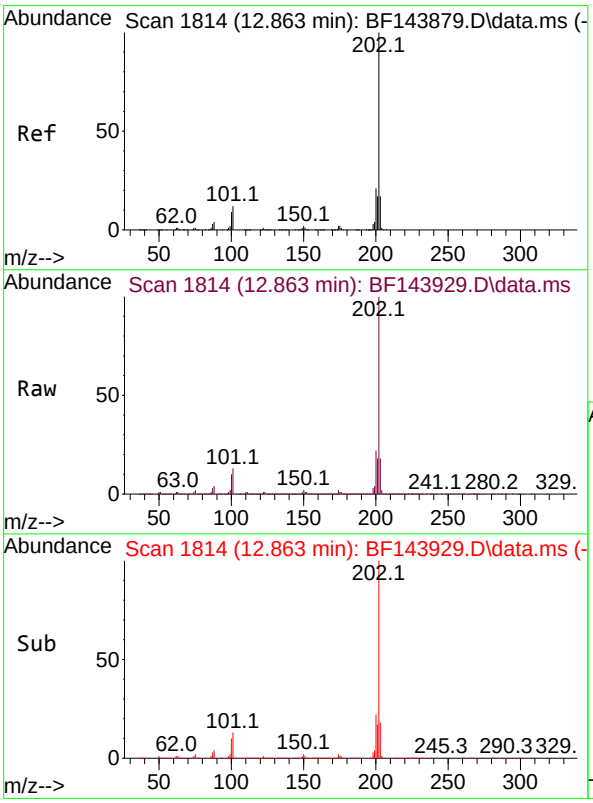
#77
Benzidine
Concen: 30.060 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:184 Resp: 261032

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	18.8
183	10.9	8.8	13.2

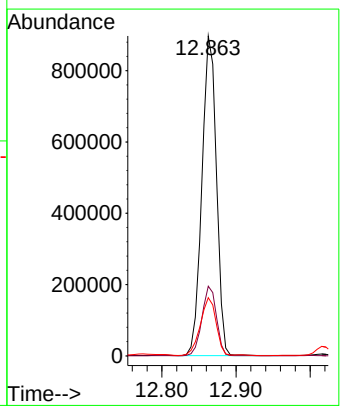


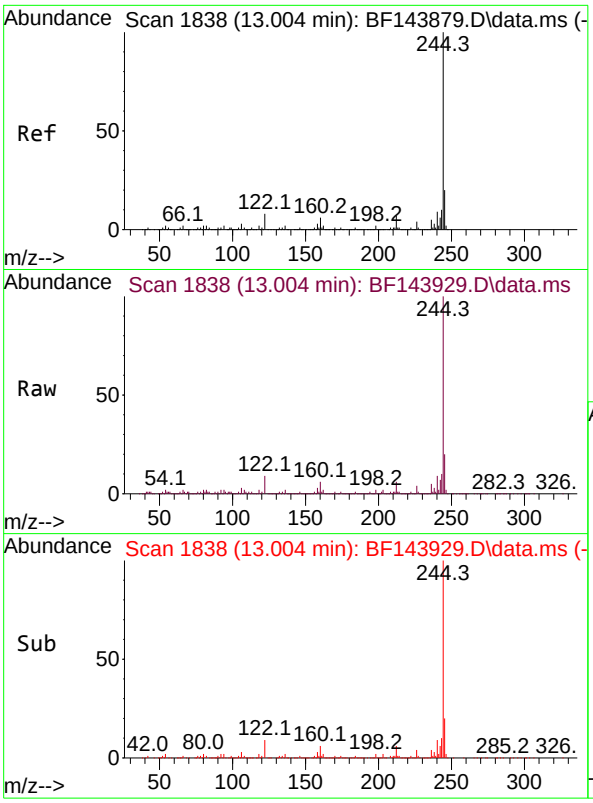


#78
Pyrene
Concen: 58.527 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:202 Resp: 1220247

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.6
203	18.2	13.8	20.6



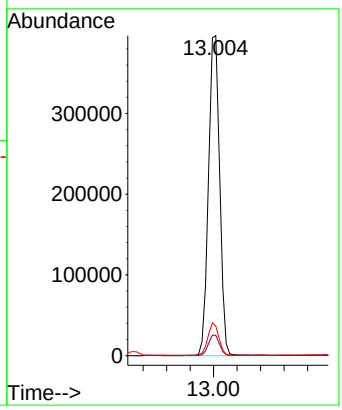


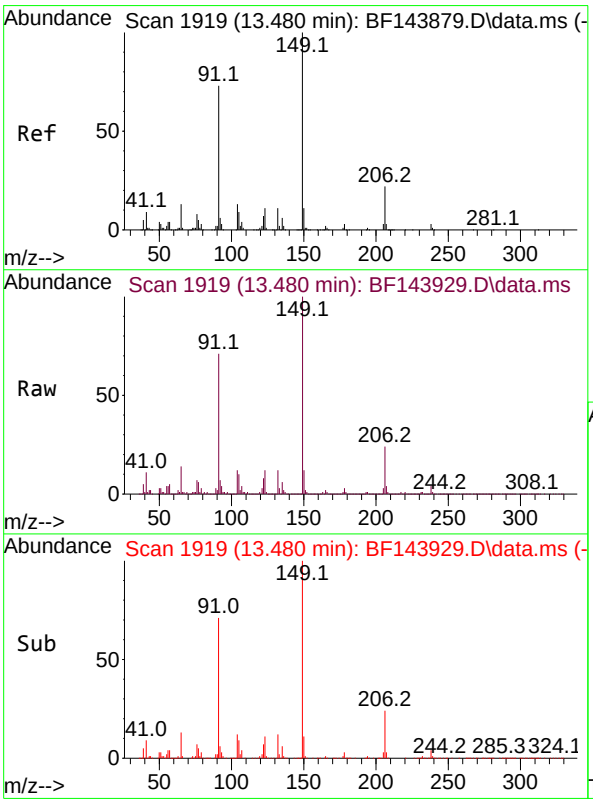
#79
Terphenyl-d14
Concen: 35.918 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:244 Resp: 525577

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.2	6.4	9.6

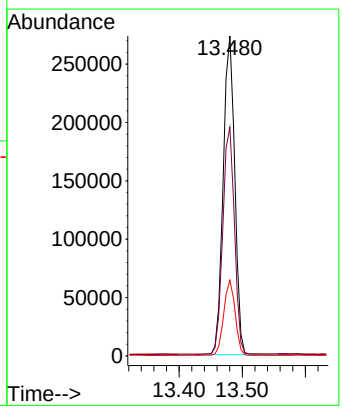


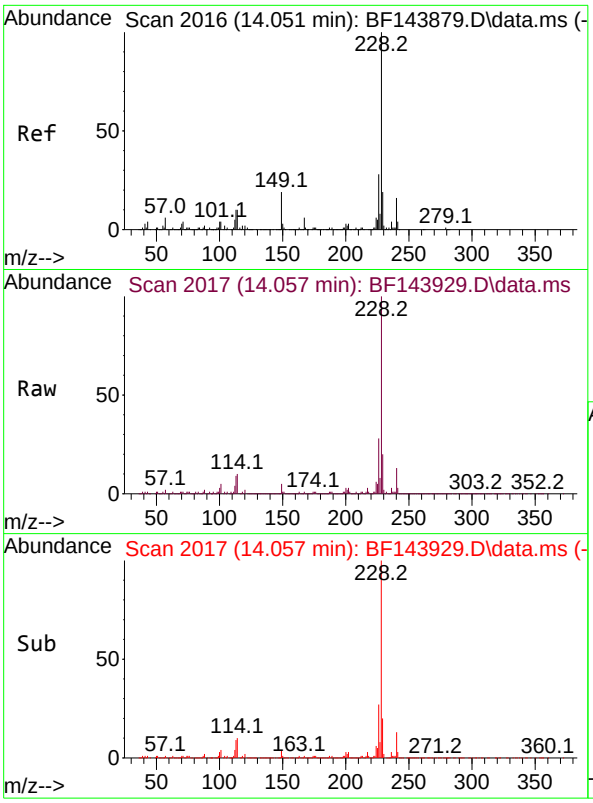


#80
Butylbenzylphthalate
Concen: 51.414 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:149 Resp: 348136

Ion	Ratio	Lower	Upper
149	100		
91	71.4	58.2	87.2
206	23.6	17.9	26.9



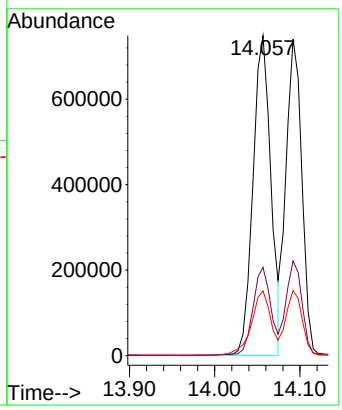


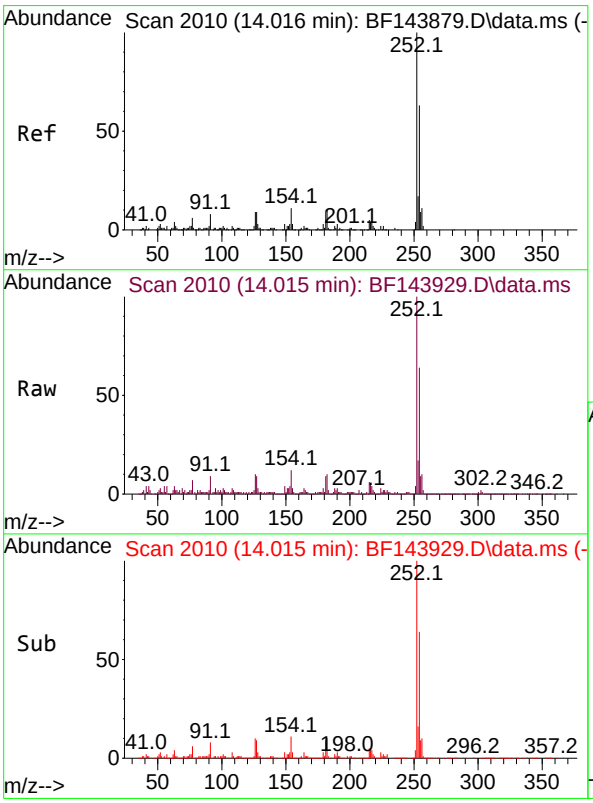
#81
Benzo(a)anthracene
Concen: 66.984 ng
RT: 14.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:228 Resp: 1096245

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	20.2	15.6	23.4

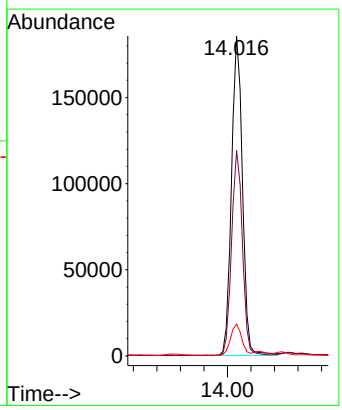


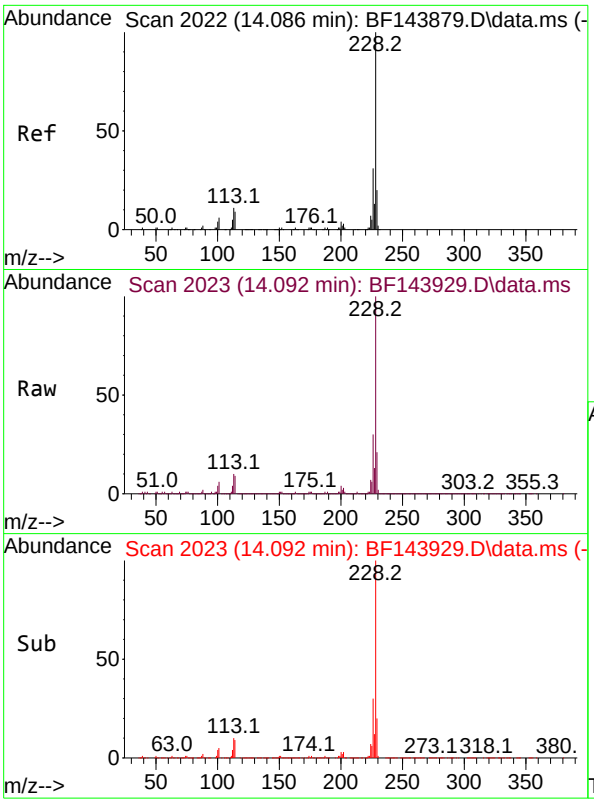


#82
3,3'-Dichlorobenzidine
Concen: 47.951 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:252 Resp: 239151

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.6	76.0
126	10.0	7.0	10.6



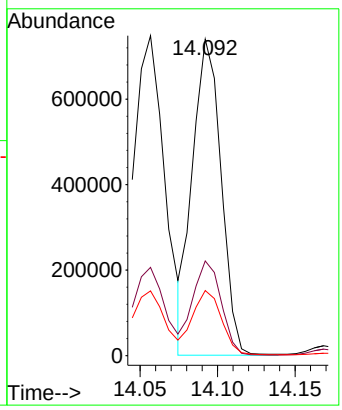


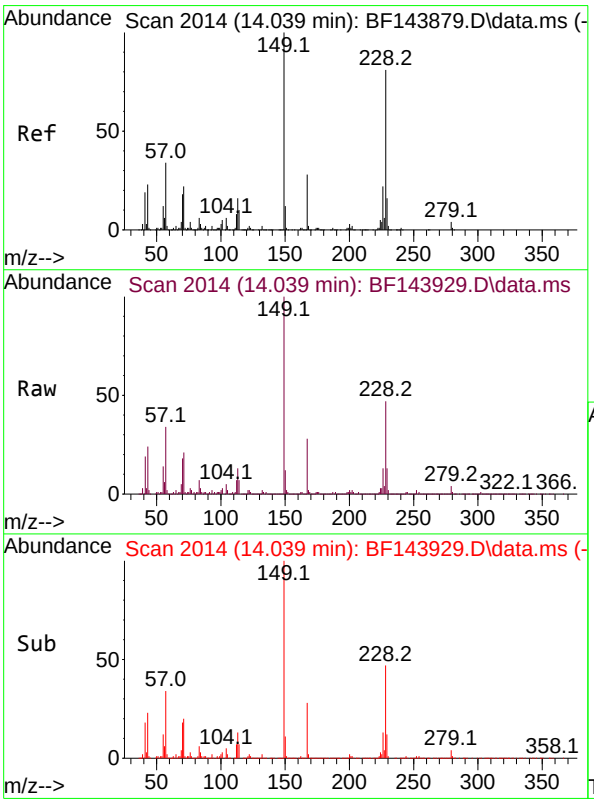
#83
Chrysene
Concen: 62.817 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:228 Resp: 951480

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.4	36.6
229	20.6	15.9	23.9

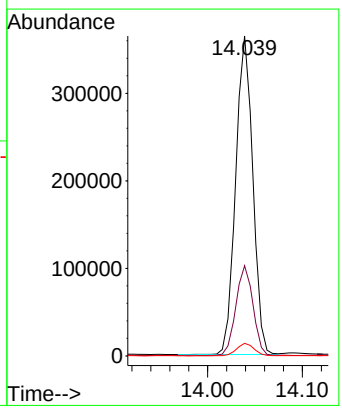


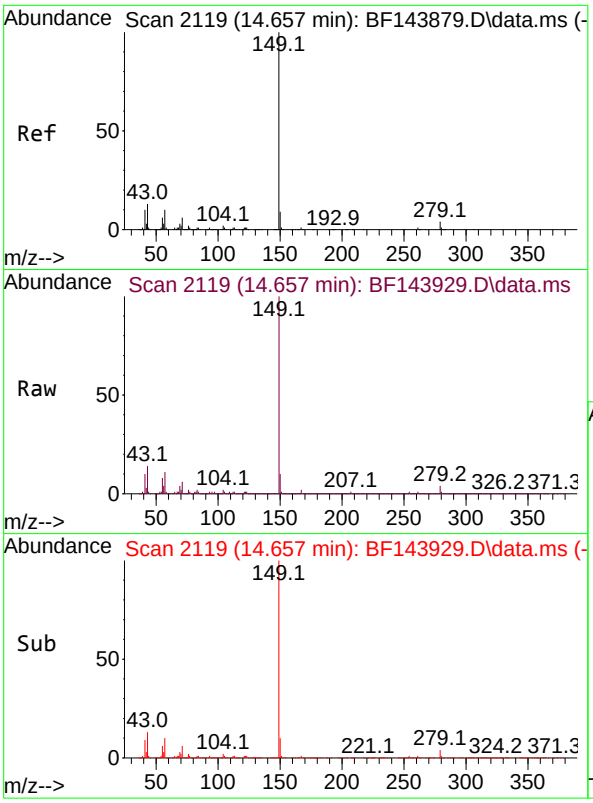


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.119 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:149 Resp: 458060

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.4
279	3.9	3.1	4.7



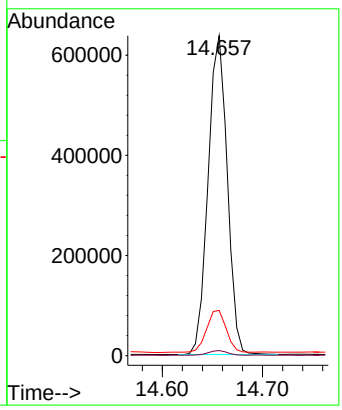


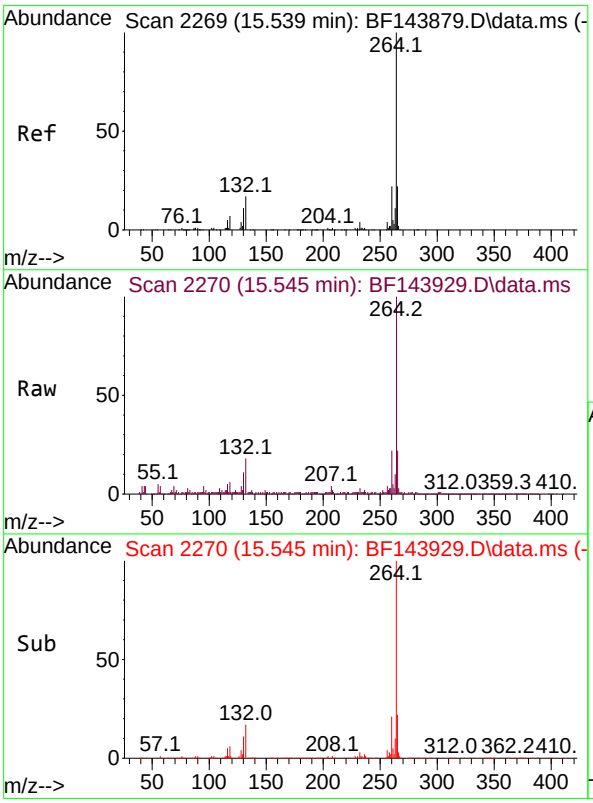
#85
Di-n-octyl phthalate
Concen: 63.066 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:149 Resp: 845476

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.6	11.0	16.4

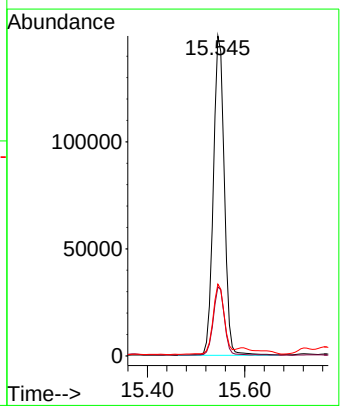


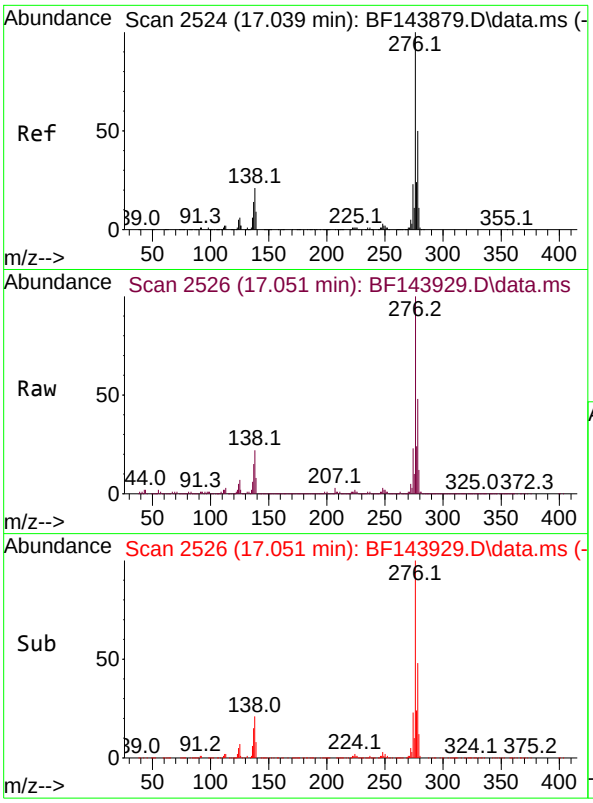


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:264 Resp: 234027

Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.8	26.8
265	22.4	17.5	26.3



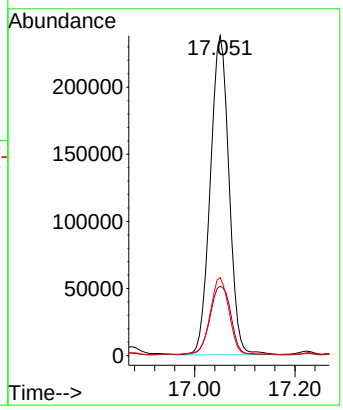


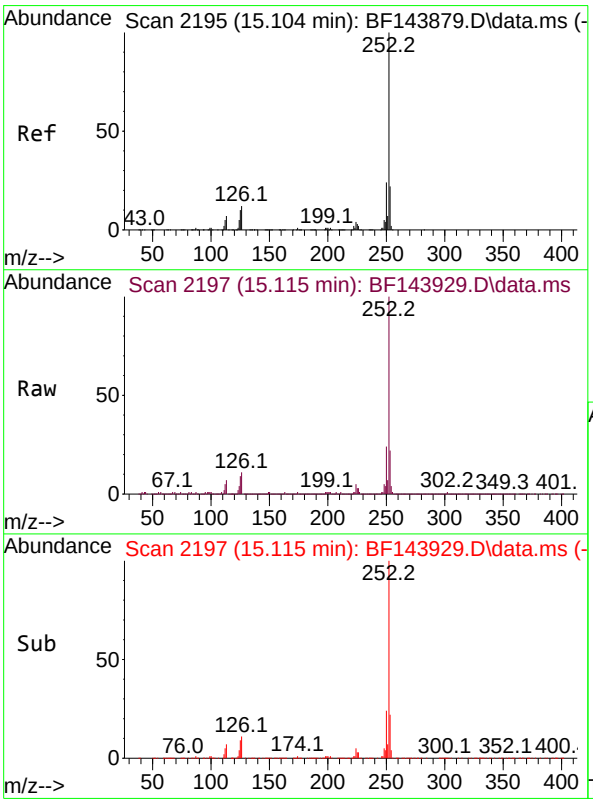
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.944 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:276 Resp: 615808

Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.2	27.2
277	24.0	19.8	29.6

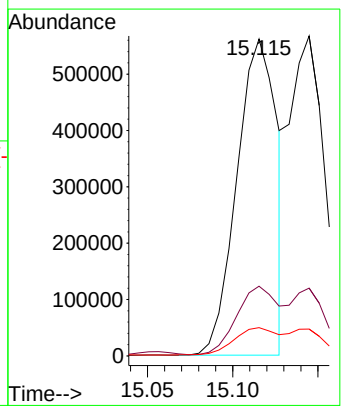


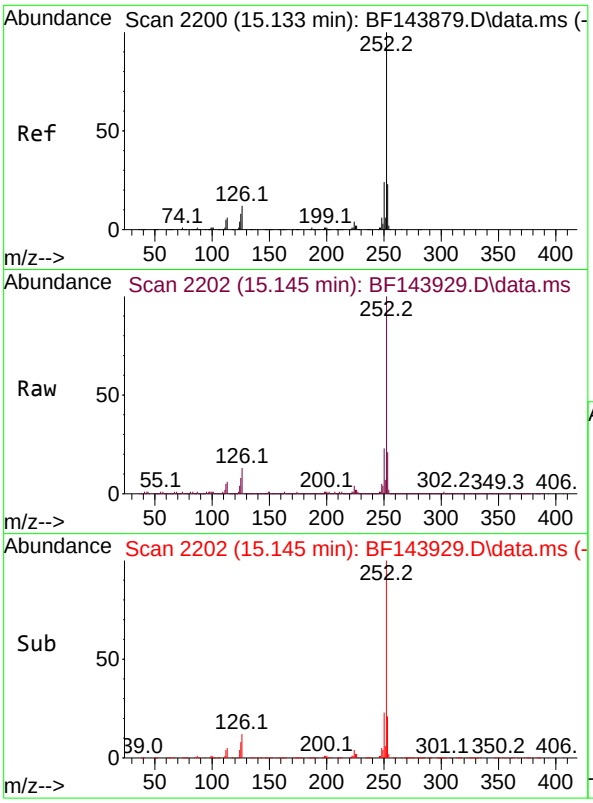


#88
Benzo(b)fluoranthene
Concen: 68.189 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:252 Resp: 916681

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.9	7.8	11.6



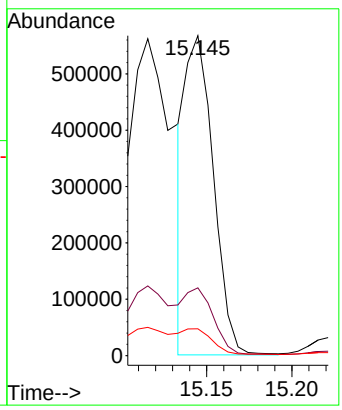


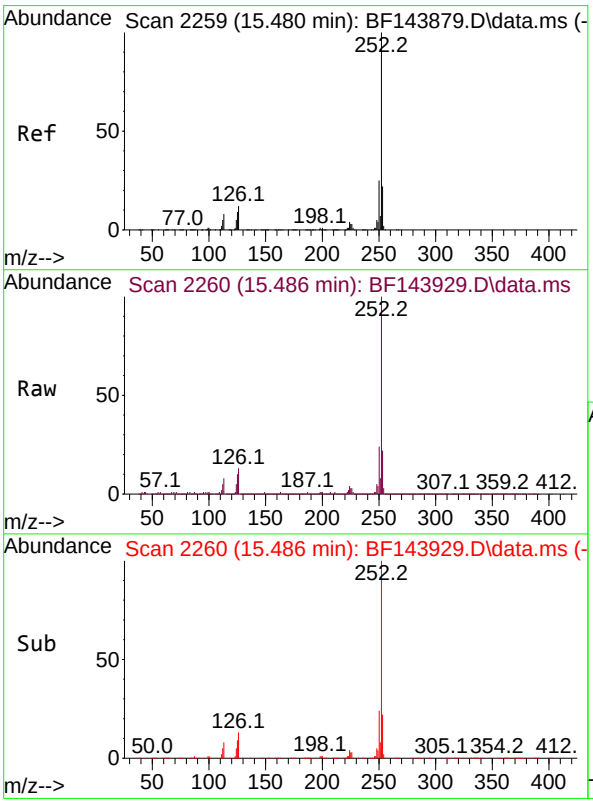
#89
Benzo(k)fluoranthene
Concen: 52.580 ng
RT: 15.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:252 Resp: 654063

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	8.4	7.4	11.2

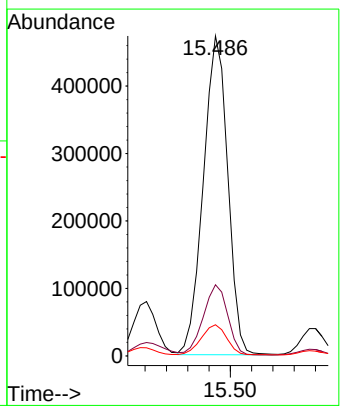


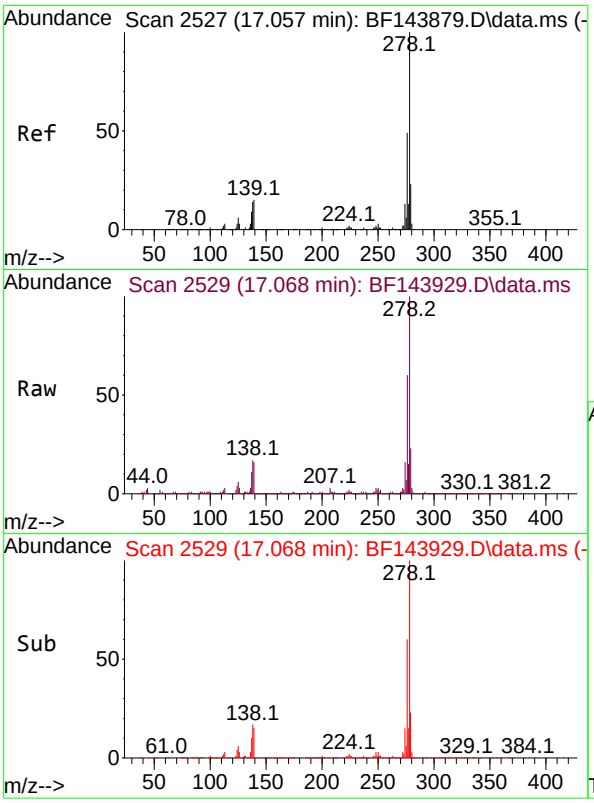


#90
Benzo(a)pyrene
Concen: 64.691 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:252 Resp: 754072

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	9.7	7.0	10.4



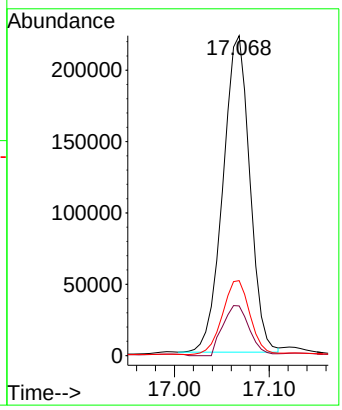


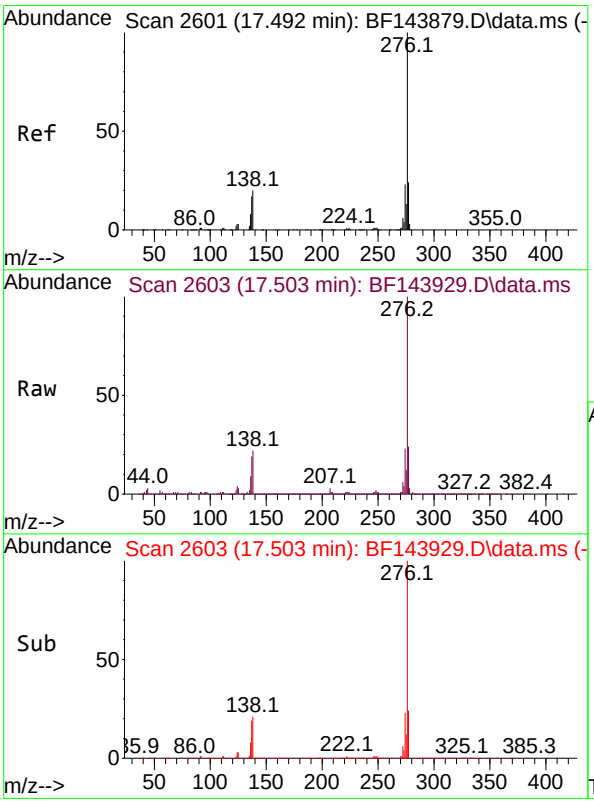
#91
Dibenzo(a,h)anthracene
Concen: 37.889 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Tgt Ion:278 Resp: 436970

Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.7	17.5
279	23.4	18.4	27.6

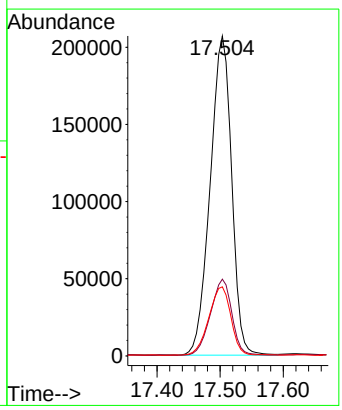




#92
Benzo(g,h,i)perylene
Concen: 42.375 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

Tgt Ion:276 Resp: 488713

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	21.6	16.1	24.1



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Manual Integration Report

Sequence:	BF100625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143876.D	Phenol	rahul	10/7/2025 9:06:31 AM	Jagrut	10/7/2025 11:32:03 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Benzoic acid	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Phenol	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Benzoic acid	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Phenol	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Benzoic acid	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Phenol	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICC080	BF143882.D	Benzoic acid	rahul	10/7/2025 9:06:44 AM	Jagrut	10/7/2025 11:32:12 AM	Peak Integrated by Software
SSTDICV040	BF143883.D	Phenol	rahul	10/7/2025 9:06:46 AM	Jagrut	10/7/2025 11:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF101025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3321-01	BF143926.D	Benzo(b)fluoranthene	Jagrut	10/13/2025 12:27:02 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3321-01	BF143926.D	Benzo(k)fluoranthene	Jagrut	10/13/2025 12:27:02 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3310-01MS	BF143928.D	2,3,4,6-Tetrachlorophenol	Jagrut	10/13/2025 12:27:07 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf101425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143946.D	Phenol	Jagrut	10/14/2025 4:21:09 PM	mohammad	10/17/2025 12:16:19 AM	Peak Integrated by Software
PB170055BS	BF143949.D	2,3,4,6-Tetrachlorophenol	Jagrut	10/14/2025 4:49:20 PM	mohammad	10/17/2025 12:16:19 AM	Peak Integrated by Software
PB170055BS	BF143949.D	Caprolactam	Jagrut	10/14/2025 4:49:20 PM	mohammad	10/17/2025 12:16:19 AM	Peak Integrated by Software
PB170055BS	BF143949.D	Phenol	Jagrut	10/14/2025 4:49:20 PM	mohammad	10/17/2025 12:16:19 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM				
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM				
SubDirectory	BF100625	HP Acquire Method	BNA_F		HP Processing Method	bf100625	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143874.D	06 Oct 2025 09:30	RC/JU	Ok
2	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59	RC/JU	Ok
3	SSTDICC005	BF143876.D	06 Oct 2025 10:28	RC/JU	Ok,M
4	SSTDICC010	BF143877.D	06 Oct 2025 10:57	RC/JU	Ok,M
5	SSTDICC020	BF143878.D	06 Oct 2025 11:56	RC/JU	Ok,M
6	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	RC/JU	Ok,M
7	SSTDICC050	BF143880.D	06 Oct 2025 13:23	RC/JU	Ok
8	SSTDICC060	BF143881.D	06 Oct 2025 13:53	RC/JU	Ok
9	SSTDICC080	BF143882.D	06 Oct 2025 14:22	RC/JU	Ok,M
10	SSTDICV040	BF143883.D	06 Oct 2025 16:08	RC/JU	Ok,M
11	PB169953BL	BF143884.D	06 Oct 2025 16:38	RC/JU	Not Ok
12	PB169953BS	BF143885.D	06 Oct 2025 17:07	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101025

Review By	Jagrut	Review On	10/13/2025 12:27:26 PM				
Supervise By	mohammad	Supervise On	10/15/2025 4:43:25 AM				
SubDirectory	BF101025	HP Acquire Method	BNA_F		HP Processing Method	bf100625	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143919.D	10 Oct 2025 11:33	RC/JU	Ok
2	SSTDCCC040	BF143920.D	10 Oct 2025 12:32	RC/JU	Ok
3	PB170055BL	BF143921.D	10 Oct 2025 13:24	RC/JU	Ok
4	PB170055BS	BF143922.D	10 Oct 2025 13:53	RC/JU	Not Ok
5	Q3310-02	BF143923.D	10 Oct 2025 14:26	RC/JU	Ok,M
6	Q3310-03	BF143924.D	10 Oct 2025 14:54	RC/JU	Ok,M
7	Q3322-01	BF143925.D	10 Oct 2025 15:23	RC/JU	Ok,M
8	Q3321-01	BF143926.D	10 Oct 2025 15:51	RC/JU	Ok,M
9	Q3310-01	BF143927.D	10 Oct 2025 16:20	RC/JU	Ok,M
10	Q3310-01MS	BF143928.D	10 Oct 2025 16:49	RC/JU	Ok,M
11	Q3310-01MSD	BF143929.D	10 Oct 2025 17:18	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101425

Review By	Jagrut	Review On	10/14/2025 4:20:37 PM				
Supervise By	mohammad	Supervise On	10/17/2025 12:16:19 AM				
SubDirectory	BF101425	HP Acquire Method	BNA_F		HP Processing Method	BF100625	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143945.D	14 Oct 2025 13:28	RC/JU	Ok
2	SSTDCCC040	BF143946.D	14 Oct 2025 13:57	RC/JU	Ok,M
3	PB170067BL	BF143947.D	14 Oct 2025 14:25	RC/JU	Ok
4	PB170067BS	BF143948.D	14 Oct 2025 15:37	RC/JU	Ok,M
5	PB170055BS	BF143949.D	14 Oct 2025 16:13	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM		
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM		
SubDirectory	BF100625	HP Acquire Method	BNA_F	HP Processing Method	bf100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143874.D	06 Oct 2025 09:30		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143876.D	06 Oct 2025 10:28		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143877.D	06 Oct 2025 10:57		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143878.D	06 Oct 2025 11:56		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	compound #54 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143880.D	06 Oct 2025 13:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143881.D	06 Oct 2025 13:53		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143882.D	06 Oct 2025 14:22	Compound #45 & #77 removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBF100625	BF143883.D	06 Oct 2025 16:08		RC/JU	Ok,M
11	PB169953BL	PB169953BL	BF143884.D	06 Oct 2025 16:38	Surrogate Fail	RC/JU	Not Ok
12	PB169953BS	PB169953BS	BF143885.D	06 Oct 2025 17:07	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101025

Review By	Jagrut	Review On	10/13/2025 12:27:26 PM		
Supervise By	mohammad	Supervise On	10/15/2025 4:43:25 AM		
SubDirectory	BF101025	HP Acquire Method	BNA_F	HP Processing Method	bf100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143919.D	10 Oct 2025 11:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143920.D	10 Oct 2025 12:32		RC/JU	Ok
3	PB170055BL	PB170055BL	BF143921.D	10 Oct 2025 13:24		RC/JU	Ok
4	PB170055BS	PB170055BS	BF143922.D	10 Oct 2025 13:53	Compound #90 has positive hit in sample Q3310-01	RC/JU	Not Ok
5	Q3310-02	SS-01-1-2	BF143923.D	10 Oct 2025 14:26		RC/JU	Ok,M
6	Q3310-03	SS-01-2-3	BF143924.D	10 Oct 2025 14:54		RC/JU	Ok,M
7	Q3322-01	OR-02-100925	BF143925.D	10 Oct 2025 15:23		RC/JU	Ok,M
8	Q3321-01	P001-DS-01	BF143926.D	10 Oct 2025 15:51		RC/JU	Ok,M
9	Q3310-01	SS-01-0-1	BF143927.D	10 Oct 2025 16:20		RC/JU	Ok,M
10	Q3310-01MS	SS-01-0-1MS	BF143928.D	10 Oct 2025 16:49		RC/JU	Ok,M
11	Q3310-01MSD	SS-01-0-1MSD	BF143929.D	10 Oct 2025 17:18		RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101425

Review By	Jagrut	Review On	10/14/2025 4:20:37 PM		
Supervise By	mohammad	Supervise On	10/17/2025 12:16:19 AM		
SubDirectory	BF101425	HP Acquire Method	BNA_F	HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143945.D	14 Oct 2025 13:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143946.D	14 Oct 2025 13:57		RC/JU	Ok,M
3	PB170067BL	PB170067BL	BF143947.D	14 Oct 2025 14:25		RC/JU	Ok
4	PB170067BS	PB170067BS	BF143948.D	14 Oct 2025 15:37		RC/JU	Ok,M
5	PB170055BS	PB170055BS	BF143949.D	14 Oct 2025 16:13		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137480

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
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925 **WorkList ID :** 192359 **Department :** Wet-Chemistry **Date :** 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 10/09/25 17:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170055

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/10/2025

Extraction Start Time : 09:35

Extraction End Date : 10/10/2025

Extraction End Time : 12:55

Concentration By: EH

Supervisor By : ritesh

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	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	1.0ML	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	EP2641
Baked Na2SO4	N/A	EP2646
Methylene Chloride	N/A	E3973
Sand	N/A	E3951
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 Vial Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25	RJ LEZL-(Lab)	RC/SVOC
13:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170055

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/10/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170055BL	SBLK055	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U1-1
PB170055BS	SLCS055	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q3310-01	SS-01-0-1	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q3310-01MS	SS-01-0-1MS	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q3310-01MSD	SS-01-0-1MSD	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q3310-02	SS-01-1-2	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
Q3310-03	SS-01-2-3	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		U2-1
Q3321-01	P001-DS-01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q3322-01	OR-02-100925	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3

10/10

* **Extracts relinguished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3321BN **WorkList ID :** 192388 **Department :** Extraction **Date :** 10-10-2025 09:17:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3310-01	SS-01-0-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/07/2025	8270E
Q3310-02	SS-01-1-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/07/2025	8270E
Q3310-03	SS-01-2-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/07/2025	8270E
Q3321-01	P001-DS-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	D41	10/08/2025	8270E
Q3322-01	OR-02-100925	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	10/09/2025	8270E

Date/Time 10/10/25 9:30

Raw Sample Received by: RJ Lext-(cab)

Raw Sample Relinquished by: [signature]

Date/Time 10/10/25 9:45

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RJ Lext-(cab)

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Prep Standard - Chemical Standard Summary

Order ID : Q3321

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170055,

Sequence ID/Qc Batch ID: BF101025,BF101425,

Standard ID :
EP2641,EP2646,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3875,E3932,E3951,E3954,E3965,E3972,E3973,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13178,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 09/26/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6865	08/25/2025	10/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 08/26/2025

FROM 0.40000ml of S11484 + 0.40000ml of S11652 + 0.40000ml of S12552 + 0.40000ml of S13149 + 0.40000ml of S13160 + 0.40000ml of S13207 + 0.90000ml of S12507 + 0.90000ml of S13089 + 1.10000ml of S13120 + 1.20000ml of S12553 + 1.20000ml of S12554 + 1.20000ml of S12555 + 1.20000ml of S12556 + 1.20000ml of S12557 + 1.20000ml of S12558 + 1.20000ml of S12559 + 1.20000ml of S13269 + 1.30000ml of S11808 + 1.30000ml of S12508 + 1.30000ml of S13090 + 1.30000ml of S13091 + 1.30000ml of S13092 + 1.30000ml of S13093 + 1.30000ml of S13094 + 1.30000ml of S13095 + 1.30000ml of S13096 + 1.30000ml of S13118 + 1.30000ml of S13119 + 1.30000ml of S13239 + 1.30000ml of S13240 + 1.30000ml of S13241 + 1.30000ml of S13242 + 1.30000ml of S13243 + 1.30000ml of S13244 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	02/25/2026	08/25/2025 / Jagrut	11/21/2023 / rahul	S11808

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/22/2026	09/22/2025 / Jagrut	12/09/2024 / anahy	S12905

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13090

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13091

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13092

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13094

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13095

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13096

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13118

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	04/10/2026	10/10/2025 / Jagrut	06/02/2025 / anahy	S13178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

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Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

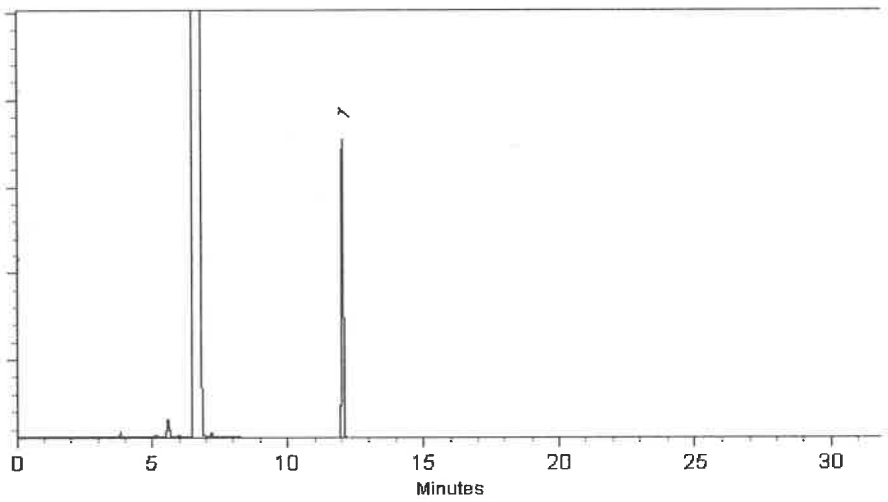
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/20/25

E3965

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

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Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

VWR® BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

gravimetric

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

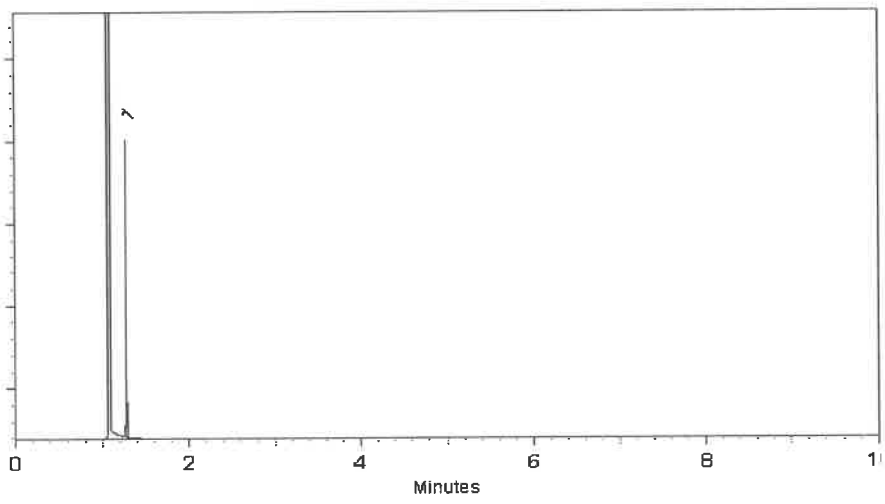
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

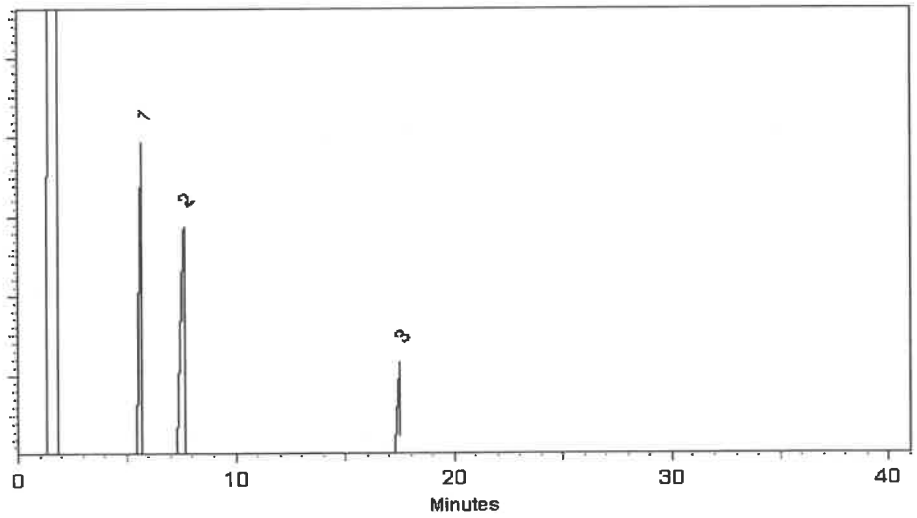
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

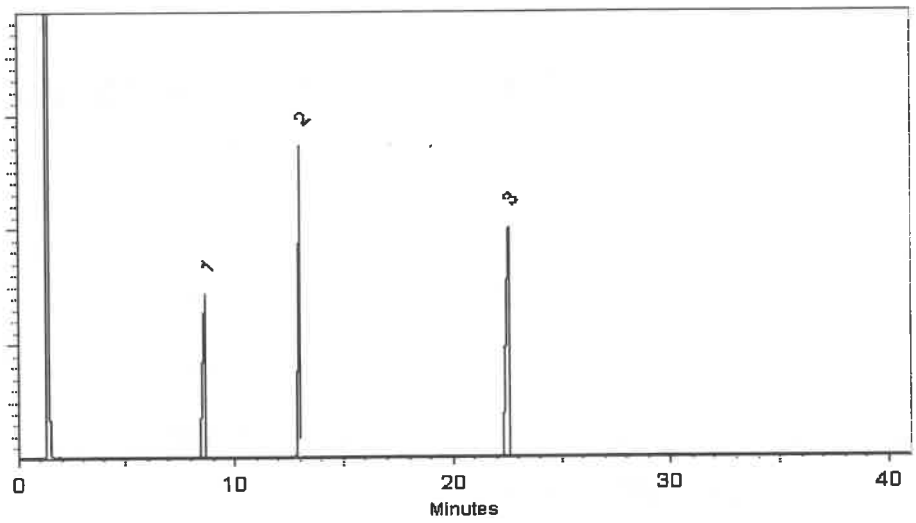
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

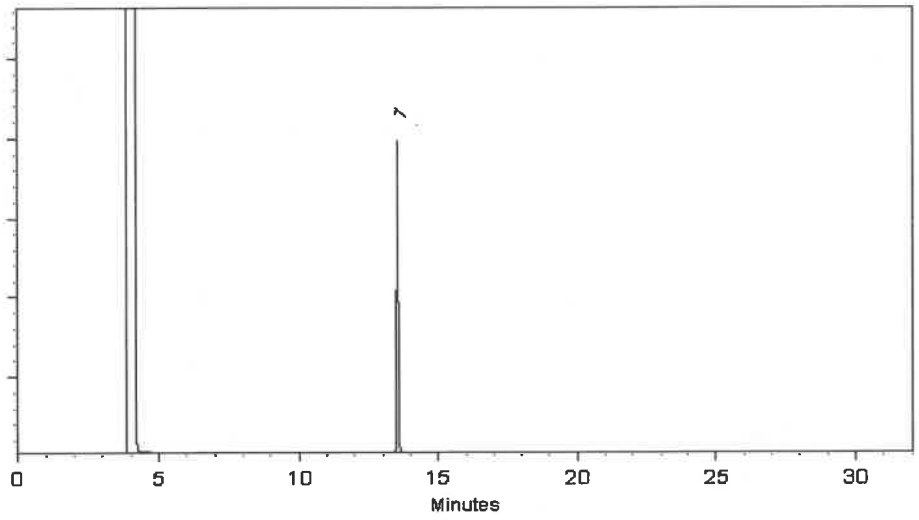
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

S12302 ↓ S12311 RC 5/30/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

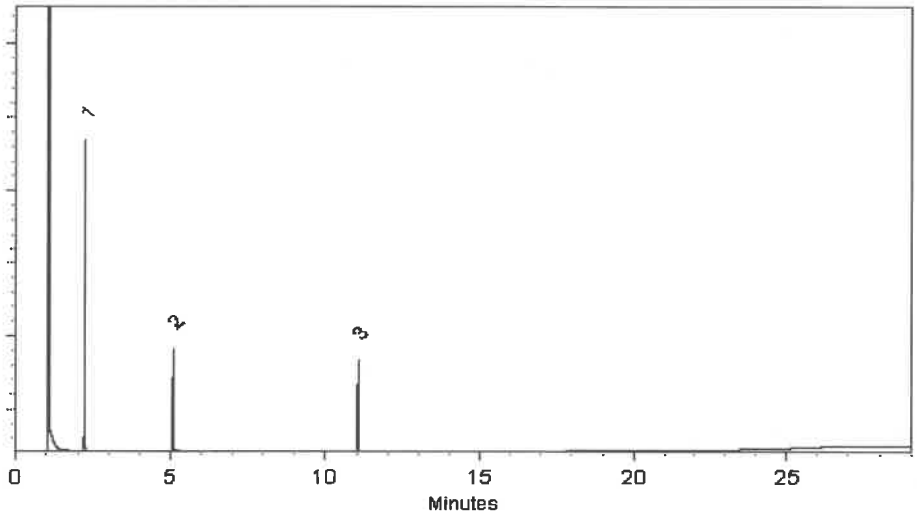
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

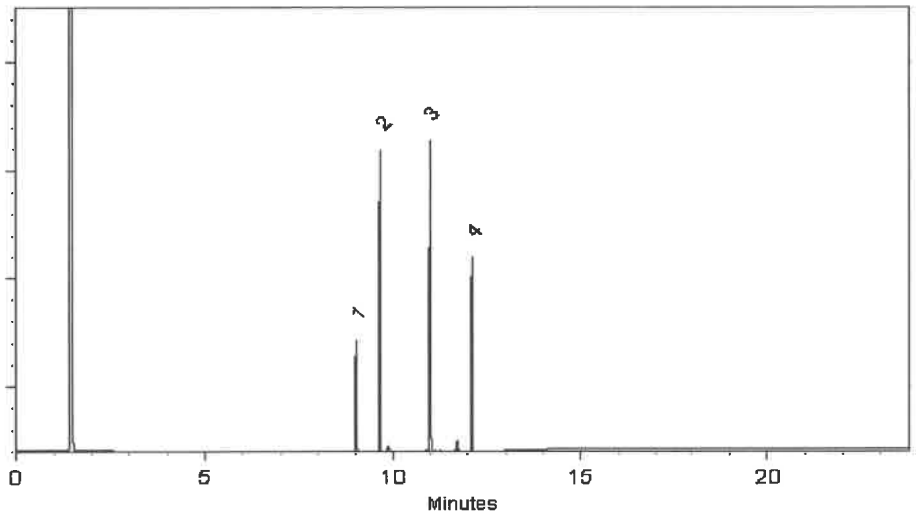
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

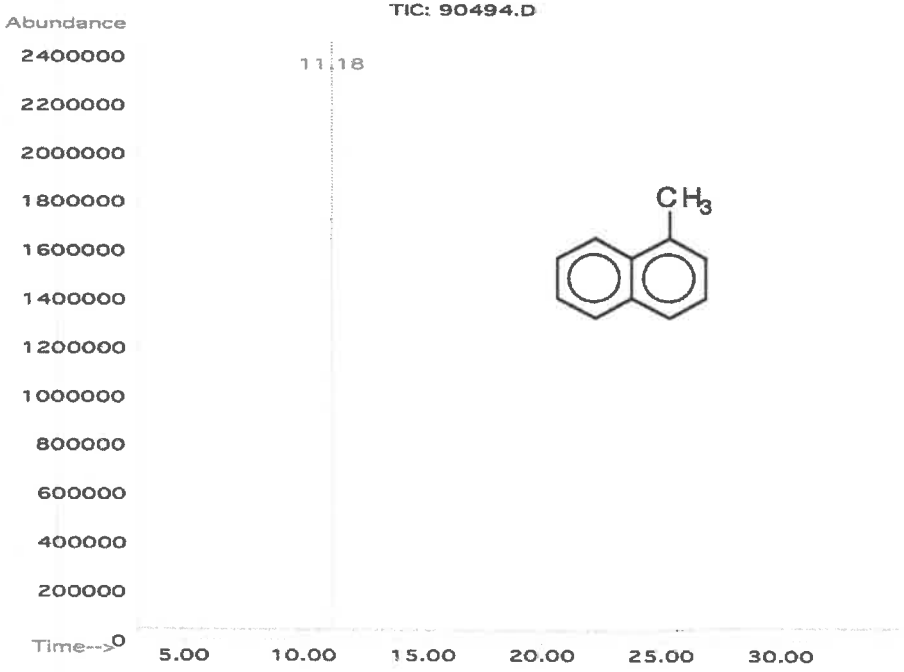
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

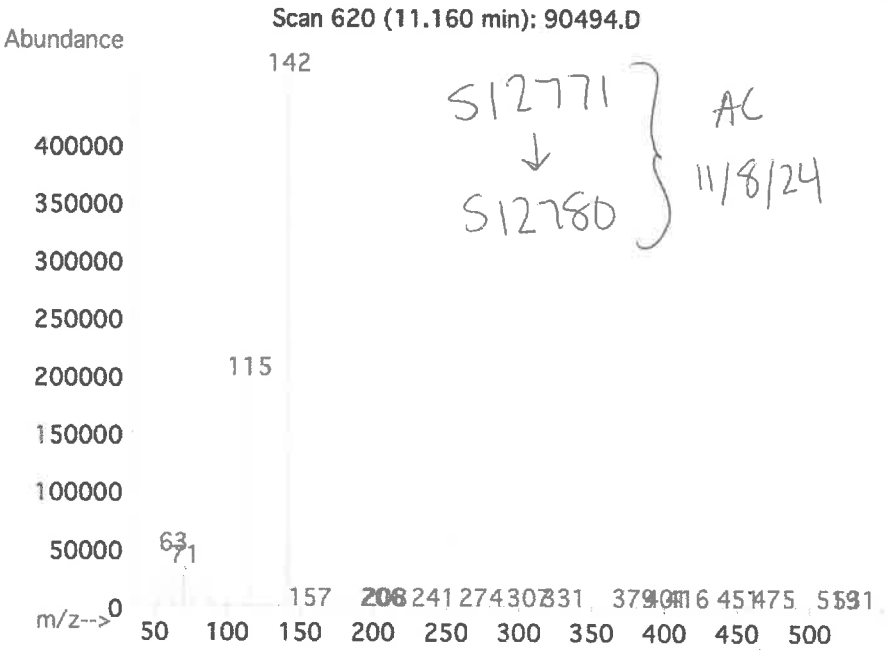
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Prashant Chauhan	061323 DATE
Reviewed By:	Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13088 ↓ S13117 RC 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

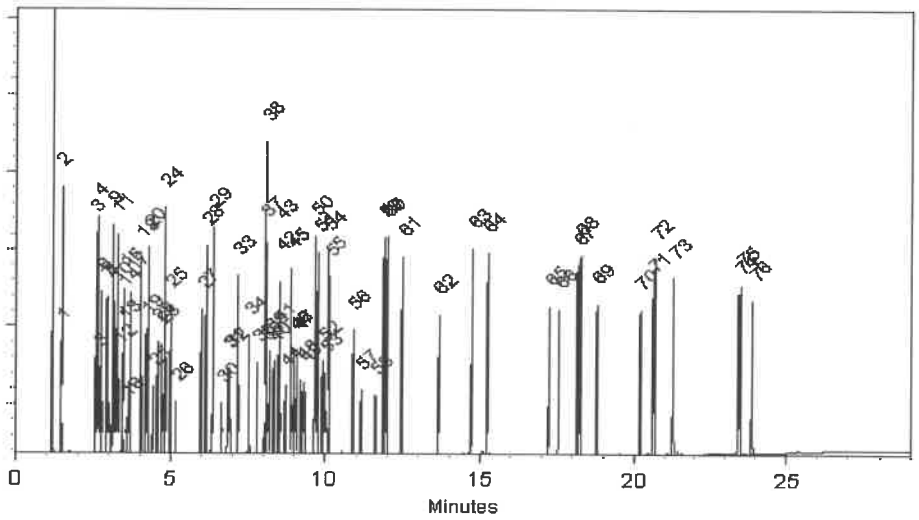
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

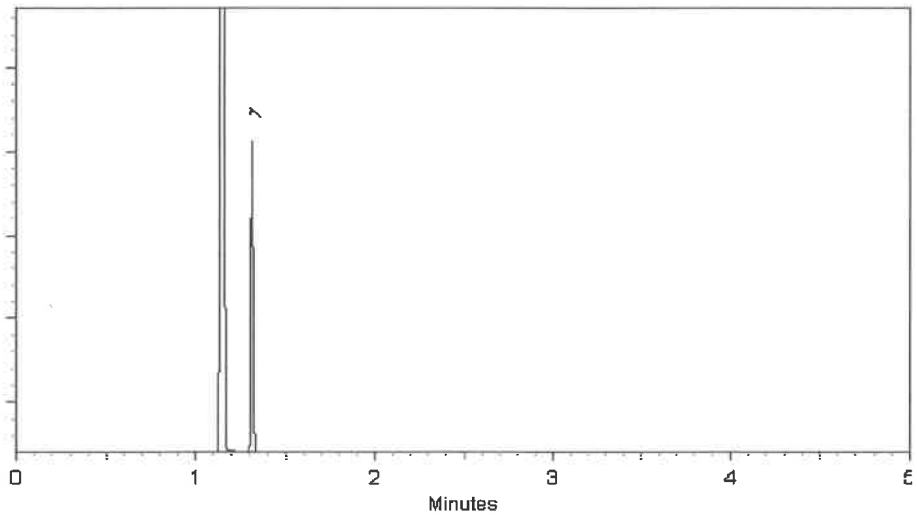
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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S13198 → S13207 AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 582978 **Lot No.:** A0228192

513229 ↓ 513238 } RC/ 8/1/25

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

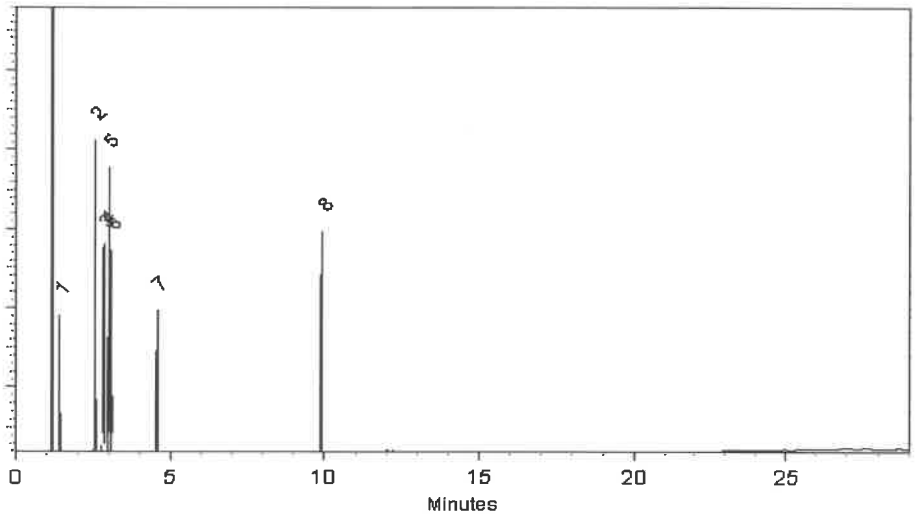
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555224 **Lot No.:** A0228494

S13269 ↓ S13298 } RC 08/06/25

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.0 µg/mL	+/- 29.453715
2	Acetophenone	98-86-2	STBH8205	99%	1,001.0 µg/mL	+/- 29.424320
3	Benzaldehyde	100-52-7	RD250319RSR	99%	1,003.0 µg/mL	+/- 29.483110
4	Benzoic acid	65-85-0	MKCX1578	99%	1,001.0 µg/mL	+/- 29.424320
5	Biphenyl	92-52-4	MKCS5928	99%	1,002.0 µg/mL	+/- 29.453715

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 04-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q3321

USEPA
DateShipped: 10/8/2025
CarrierName: FedEx
AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD
Case #: 918
Contact Name: Peter Lisichenko
Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01
Cooler #: 1
Lab: Alliance Technical Group, LLC
Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	TAL VOCs	Soil	10/8/2025	14:15	3	5-g Encore sampler	4 C	
	P001-DS-01	P001	TAL SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL PCBs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass cl jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Metals+Hg&CN	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP VOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Metals+Hg	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TAL Pesticides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP SVOCs	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	
	P001-DS-01	P001	TCLP Herbicides	Soil	10/8/2025	14:15	1	8 oz glass jar w/Teflon cap	4 C	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	USEPA	10/8/25 1600hrs		10/9/25 10:00	IR Gun #1 3.4 °C

Q3321

USEPA
DateShipped: 10/8/2025
CarrierName: FedEx
AirbillNo: 8850 1194 6759

CHAIN OF CUSTODY RECORD
Case #: 918
Contact Name: Peter Lisichenko
Contact Phone: 347-276-6251

No: 2-100825-0004-0122-01
Cooler #: 1
Lab: Alliance Technical Group, LLC
Lab Phone: 805-526-7161

Lab #	Sample #	Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-DS-01	P001	Percent Moisture	Soil	10/8/2025	14:15	1	4 oz glass jar	4 C	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	USEPA	10/8/25 1600 hrs		1000 10/9/25	IR Gun #1 3.4 C

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3321 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 10/9/2025 10:30:00 AM
Project Name : RFP ~~905~~ 918
Receive DateTime : 10/9/2025 ~~12:00:00 AM~~ 10:00
Purchase Order :

Project Mgr :
Report Type : Level 4
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
Q3321-01	P001-DS-01	Solid	10/08/2025	14:15					
					VOC-TCLVOA-10		8260D		~~10 Bus~~. Days 5 Bus Days

Relinquished By :
Date / Time : 10/9/25 10:00

Received By :
Date / Time : 10/09/25

Storage Area : **VOA Refridgerator Room**