

**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



1) SEMI-VOLATILE DATA	2
2) Signature Page	4
3) Case Narrative	5
4) Qualifier Page	7
5) Conformance/Non Conformance	8
6) QA Checklist	10
7) Chronicle	11
8) Hit Summary	12
9) QC Data Summary For SVOC-TCL BNA -20	13
9.1) Deuterated Monitoring Compound Summary	14
9.2) MS/MSD Summary	15
9.3) LCS/LCSD Summary	19
9.4) Method Blank Summary	21
9.5) GS/MS Tune Summary	22
9.6) Internal Standard Area and RT Summary	25
10) Sample Data	29
10.1) P001-DS-01	30
11) Calibration Data Summary	58
11.1) Initial Calibration Data	59
11.1.1) BF100625	59
11.2) Continued Calibration Data	463
11.2.1) BF143920.D	463
11.2.2) BF143946.D	520
12) QC Sample Data	577
12.1) Tune Raw Data	578
12.2) Method Blank Data	590
12.3) LCS Data	605
12.4) MS Data	657
12.5) MSD Data	709
13) Manual Integration	761
14) Analytical Runlogs	764
15) Percent Solid	770
16) Extraction Logs	772
16.1) PB170055.pdf	772
16.2) PB170055IC.pdf	774

Table Of Contents for Q3321

17) Standard Prep Logs	775
18) Shipping Document	843
18.1) Chain Of Custody	844
18.2) Lab Certificate	846
18.3) Internal COC	847

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Cover Page

Order ID : Q3321

Project ID : RFP 918

Client : Weston Solutions, Inc.

Lab Sample Number

Q3321-01
Q3321-02

Client Sample Number

P001-DS-01
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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:16 am, Oct 24, 2025

Date: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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, Therefore 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.

E. Calculation:

Concentration ug/Kg,

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

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 = $V_{in} = \text{GPC factor}$ (If no GPC is performed, GPC=1)

V_{out} = Volume of extract collected after GPC cleanup.

D= 100 - %moisture

$$\frac{\text{-----}}{100}$$

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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:18 am, Oct 24, 2025

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 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

REVIEWED

By Sohil Jodhani, QA/QC Director at 9:37 am, Oct 24, 2025

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 Custody

✓

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

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	SVOC-TCL BNA -20	8270E	10/08/25	10/10/25	10/10/25	10/09/25
Q3321-02	P001-DS-01	TCLP	TCLP BNA	8270E	10/08/25	10/13/25	10/14/25	10/09/25

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

- 1
- 2
- 3
- 4
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- 6
- 7
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- 9
- 10
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- 13
- 14
- 15
- 16
- 17
- 18

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	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

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	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	

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	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	

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	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

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	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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3321</u>	Analytical Method:	<u>8270E</u>
Client:	<u>Weston Solutions, Inc.</u>	DataFile:	<u>BF143949.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3321</u>	Analytical Method: <u>8270E</u>
Client: <u>Weston Solutions, Inc.</u>	DataFile: <u>BF143949.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
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	

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: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143874.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/06/2025
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
Lab Code: ACE
Lab File ID: BF143919.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/10/2025
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
Lab Code: ACE
Lab File ID: BF143945.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/14/2025
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

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.

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.

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.

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

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	% Solid: 78.4	
Sample Wt/Vol: 30.02 g	Test: SVOC-TCL BNA -20	
Prep Method : SW3541		
Level : LOW		
Final Vol: 1000 uL		
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

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

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

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	% Solid:	78.4
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	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

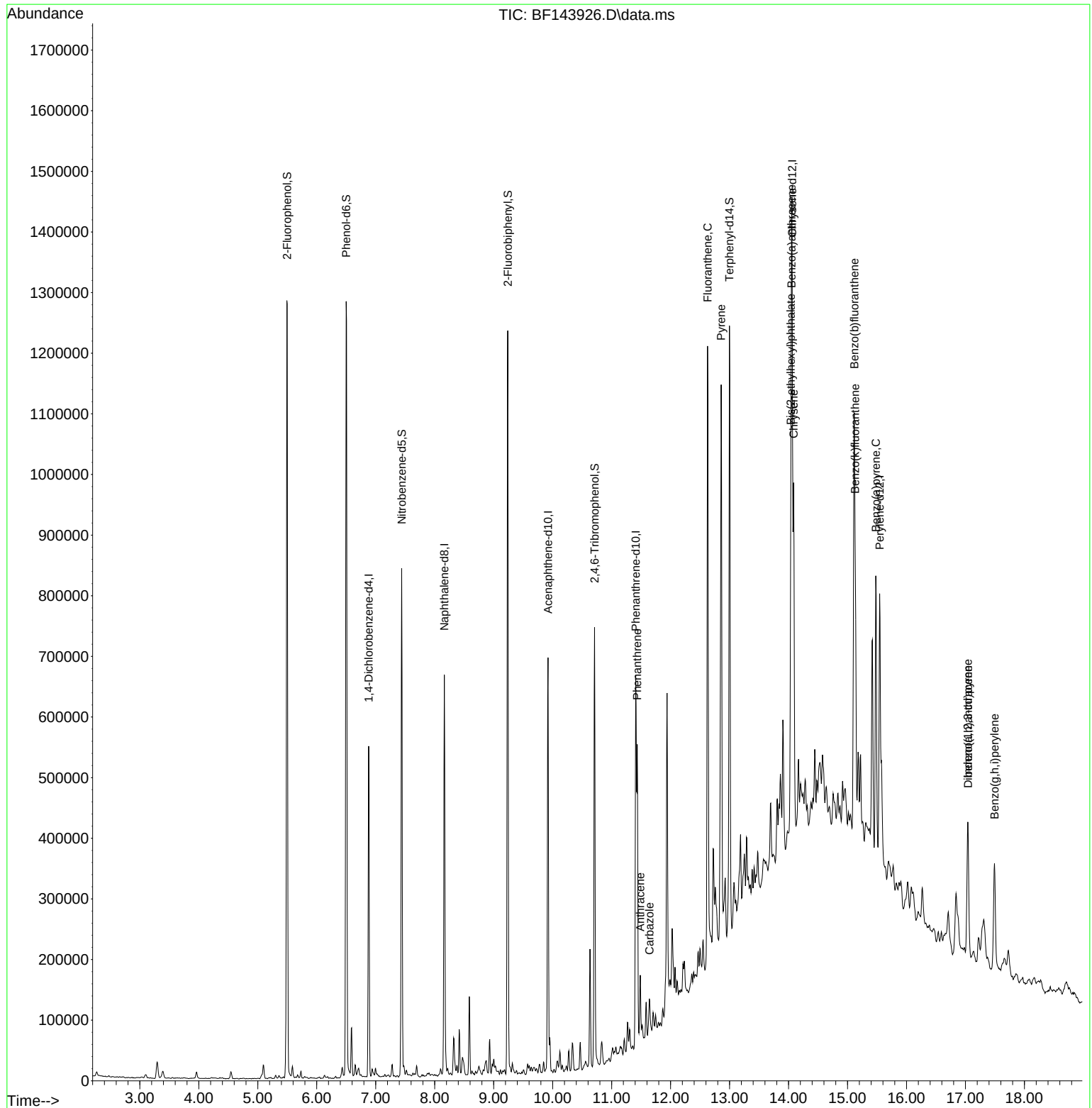
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	108001	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	403837	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	207929	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	321893	20.000	ng	0.00
76) Chrysene-d12	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

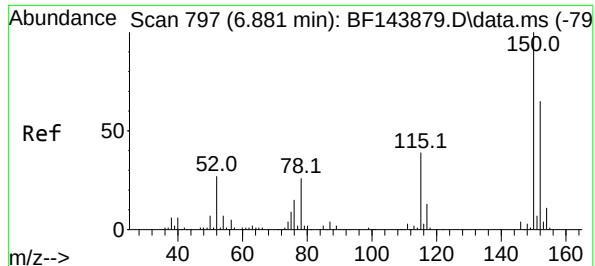
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

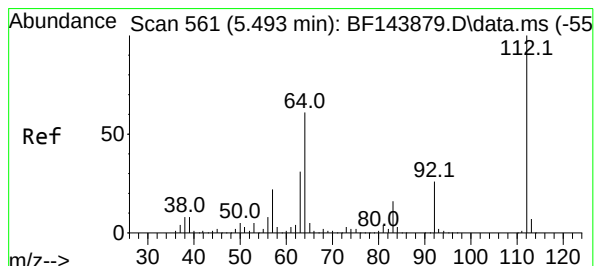
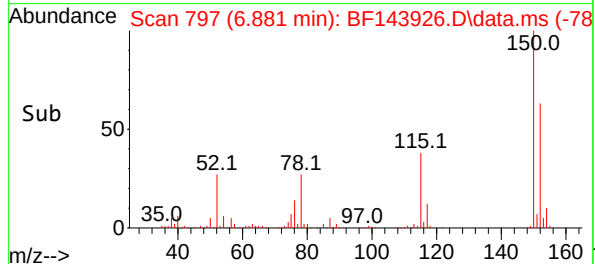
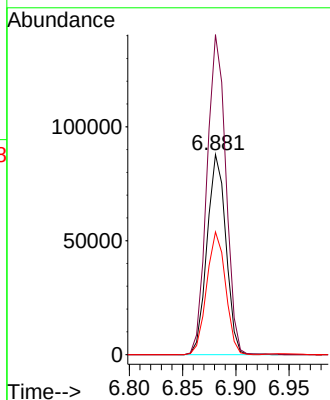
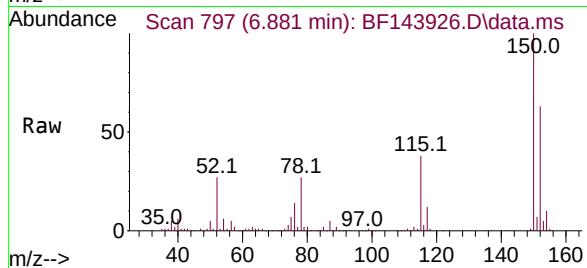




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

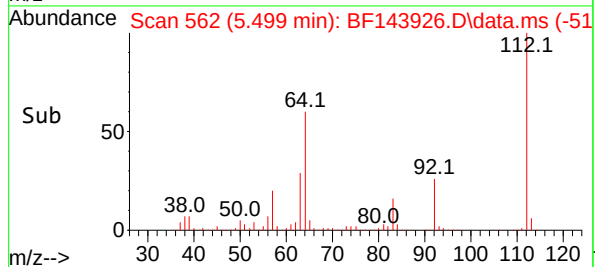
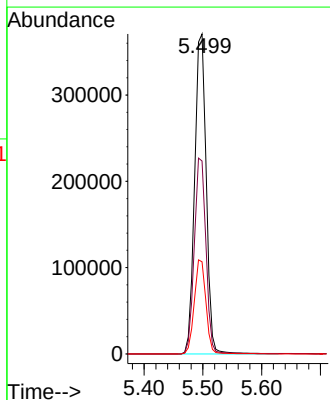
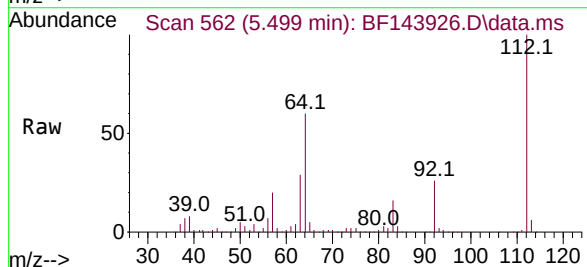
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

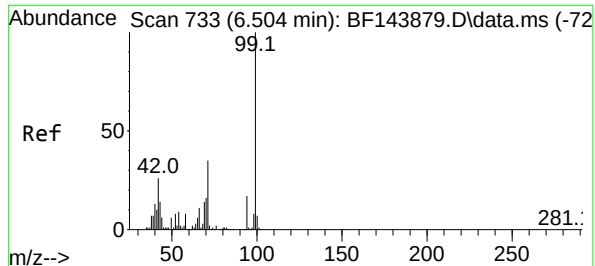
Tgt Ion:152 Resp: 108001
Ion Ratio Lower Upper
152 100
150 160.0 124.4 186.6
115 61.3 48.1 72.1



#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# 733

Delta R.T. -0.017 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

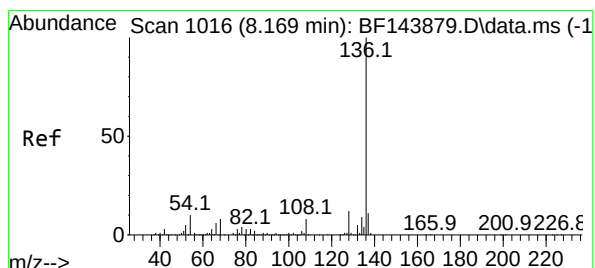
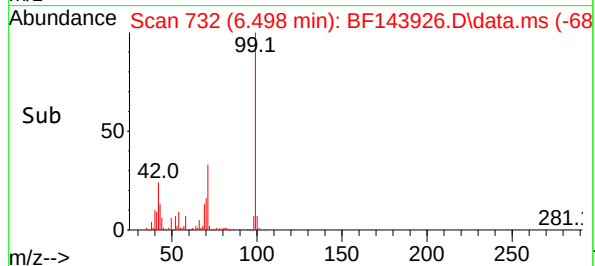
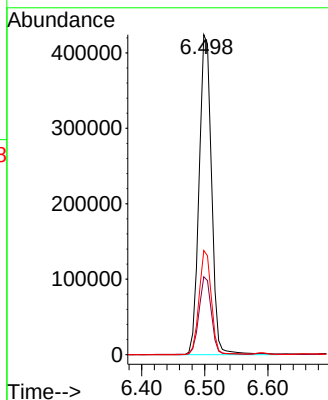
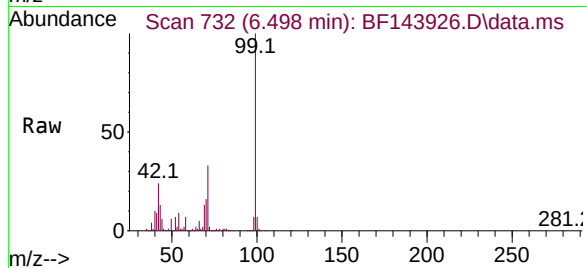
Tgt Ion: 99 Resp: 581255

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

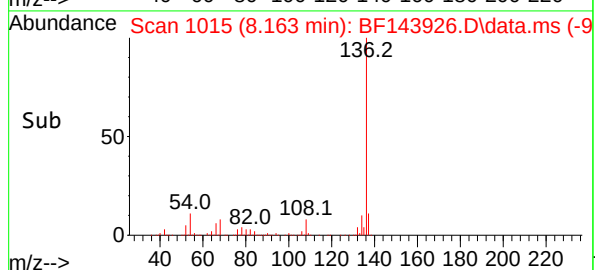
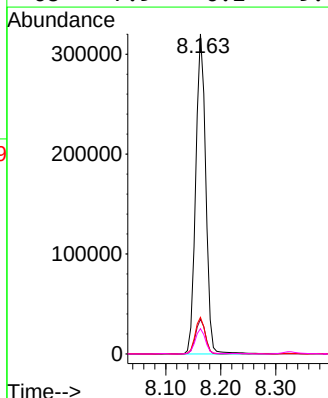
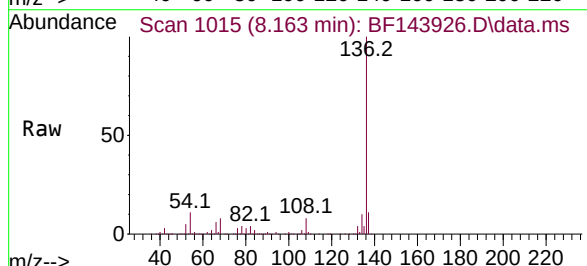
Ion Ratio Lower Upper

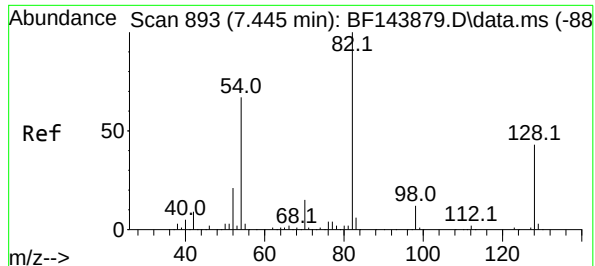
136 100

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

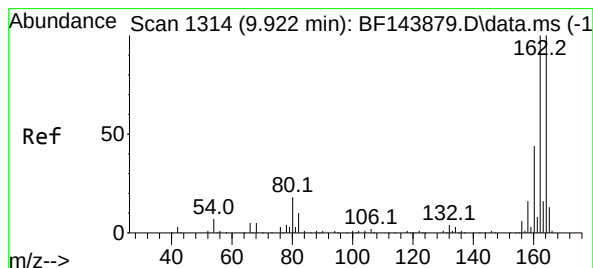
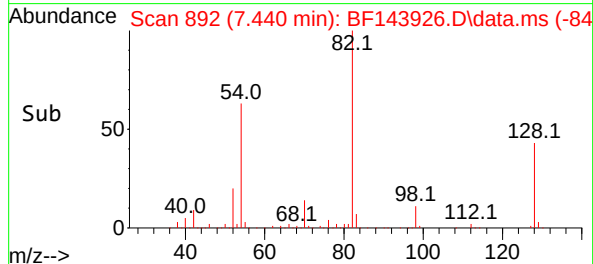
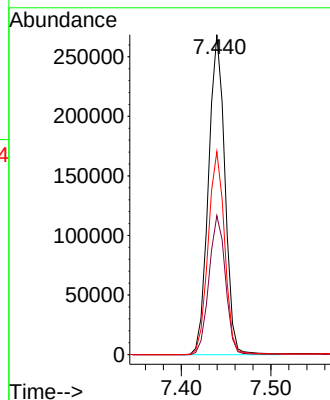
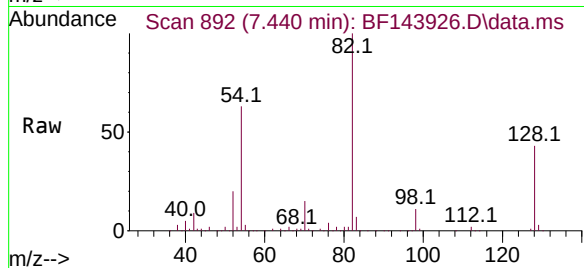
Tgt Ion: 82 Resp: 343410

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

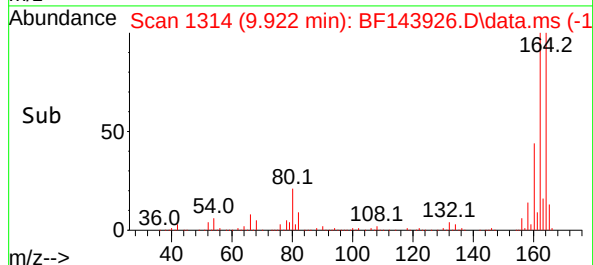
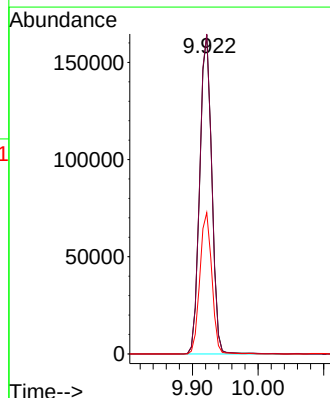
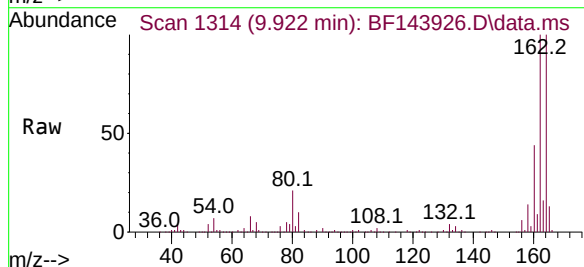
Tgt Ion: 164 Resp: 207929

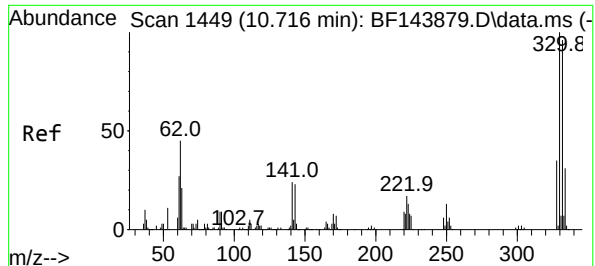
Ion Ratio Lower Upper

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# 1449

Delta R.T. -0.012 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

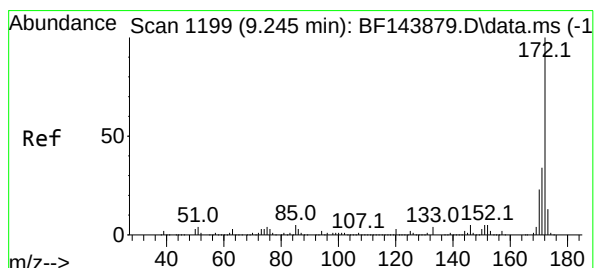
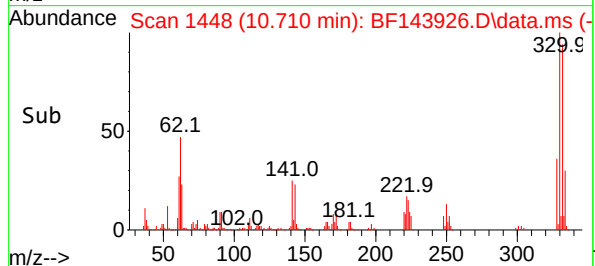
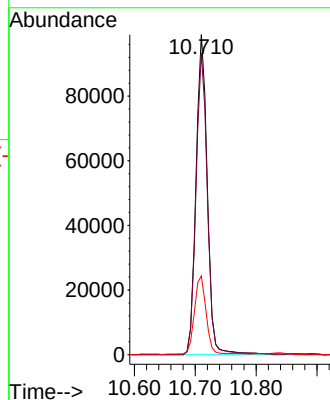
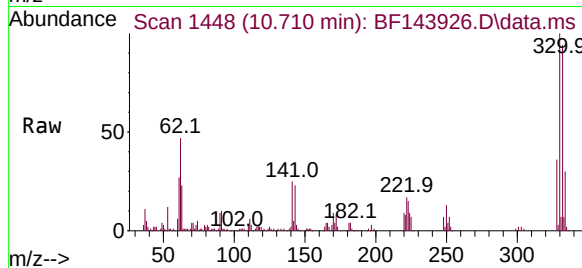
Tgt Ion:330 Resp: 127809

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

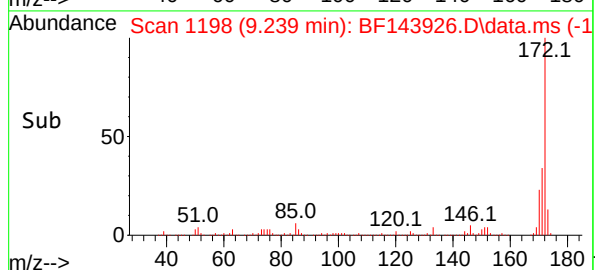
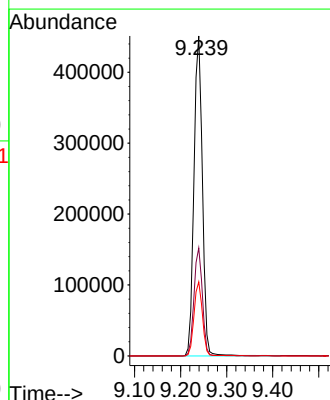
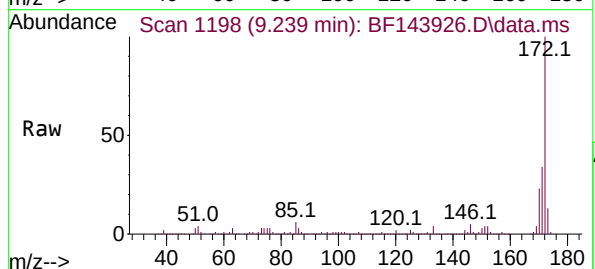
Tgt Ion:172 Resp: 575895

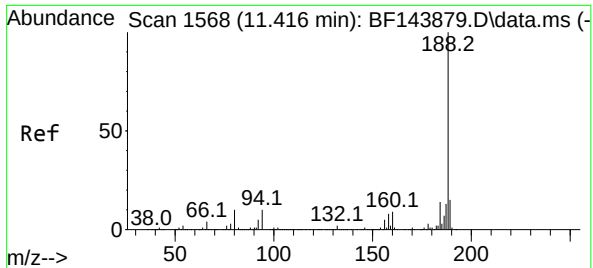
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

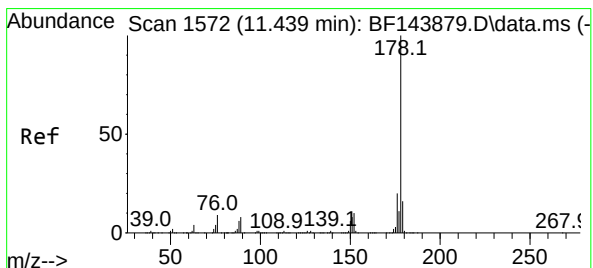
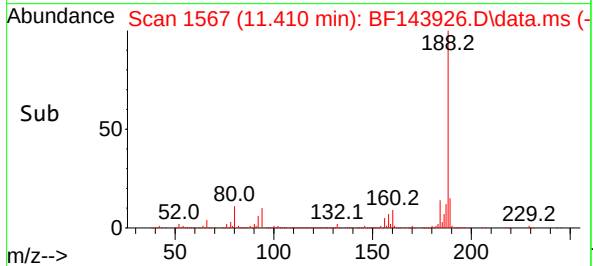
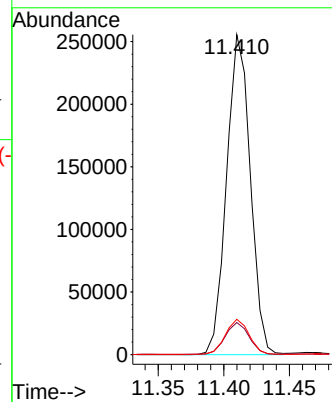
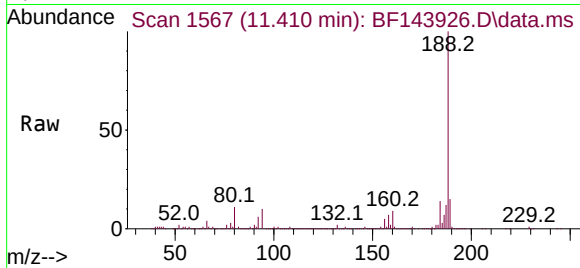
Tgt Ion:188 Resp: 321893

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

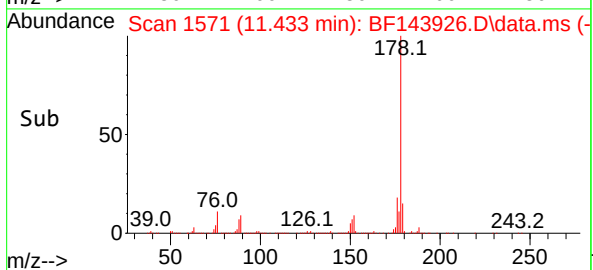
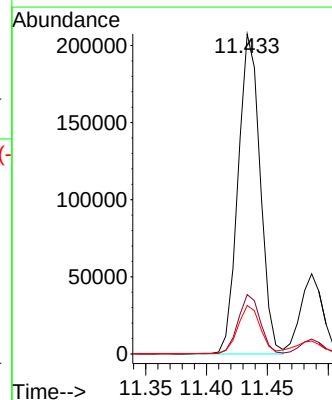
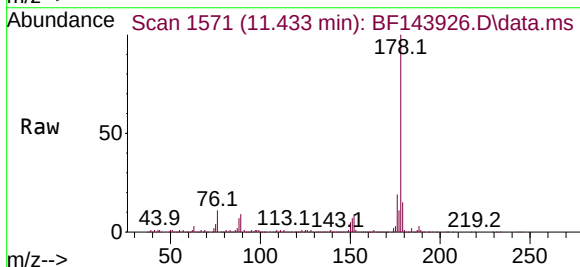
Tgt Ion:178 Resp: 261640

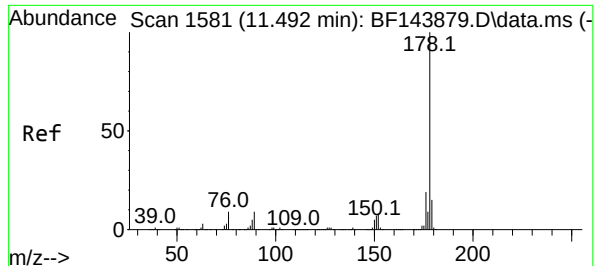
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.012 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

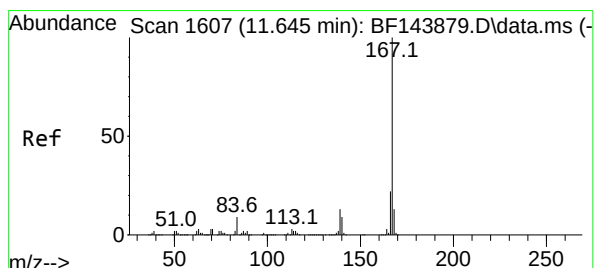
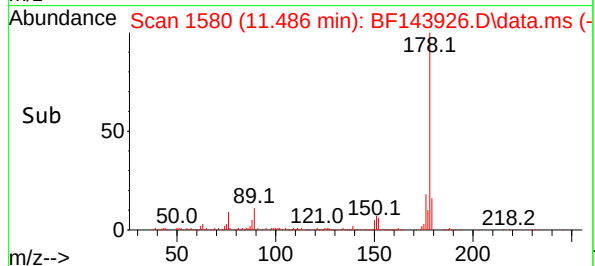
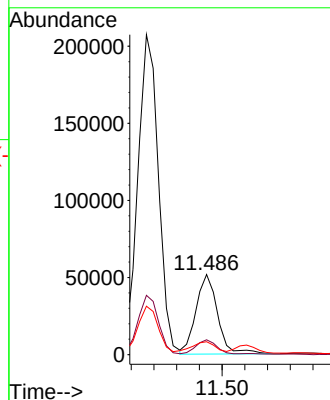
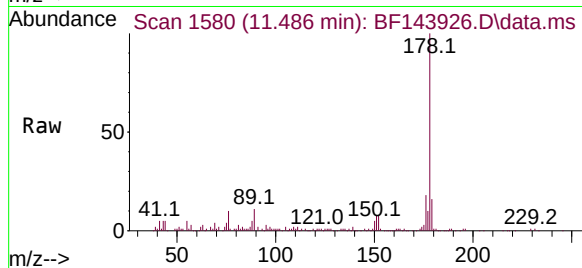
Tgt Ion:178 Resp: 68115

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

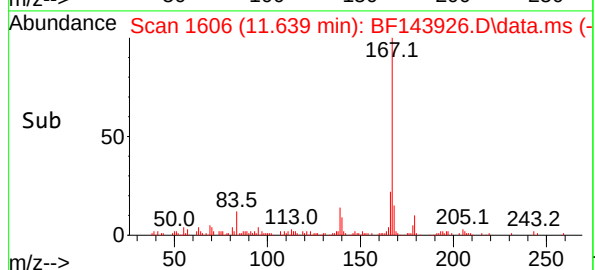
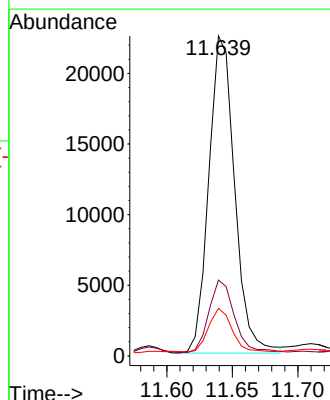
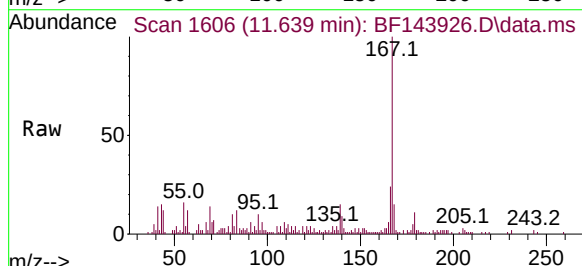
Tgt Ion:167 Resp: 30822

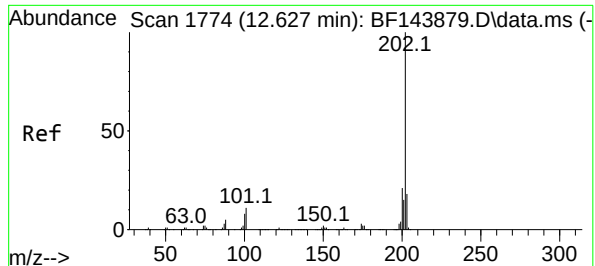
Ion Ratio Lower Upper

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# 1774

Delta R.T. -0.006 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

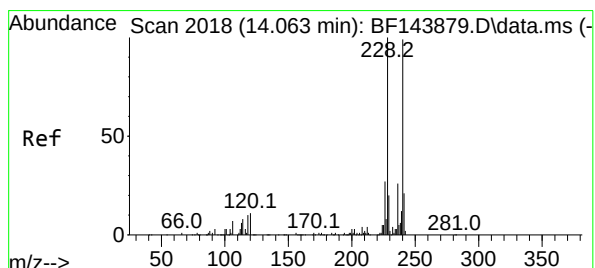
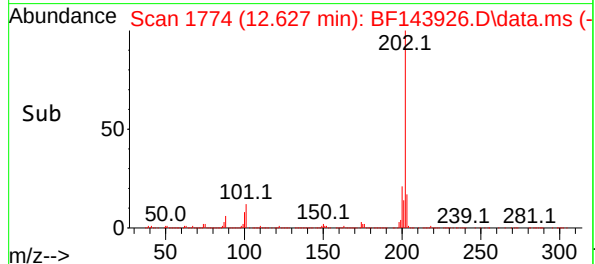
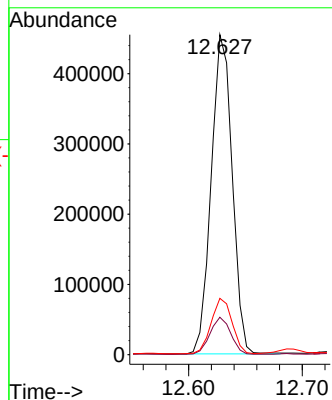
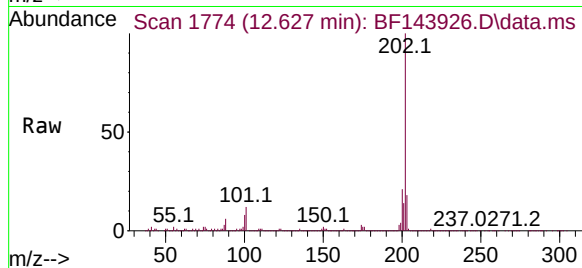
Tgt Ion:202 Resp: 584300

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# 1818

Delta R.T. -0.005 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

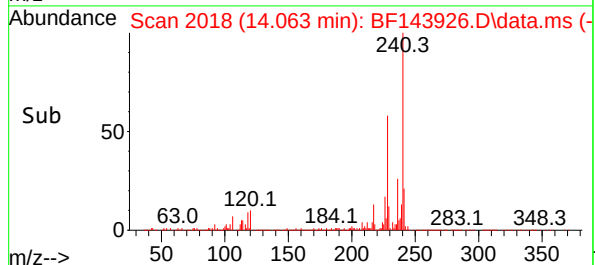
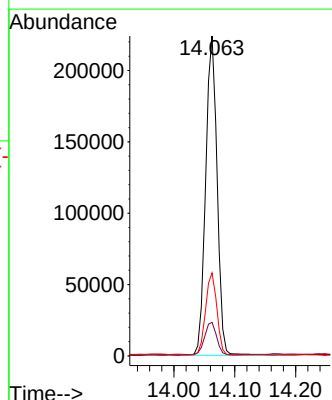
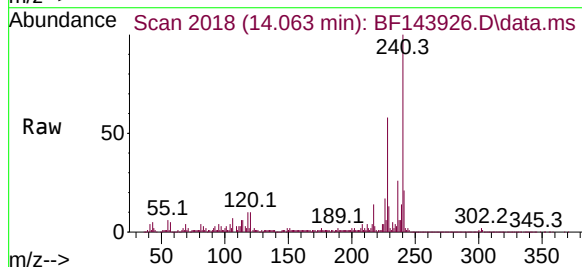
Tgt Ion:240 Resp: 291502

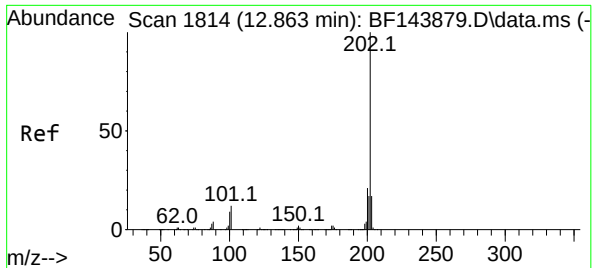
Ion Ratio Lower Upper

240 100

120 10.5 8.6 13.0

236 25.9 21.1 31.7

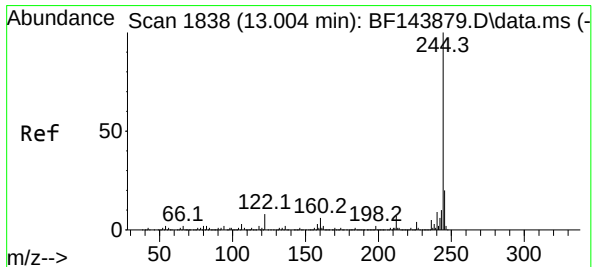
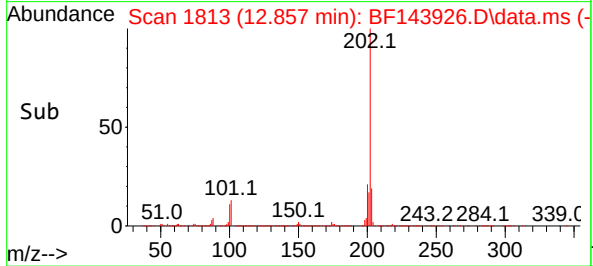
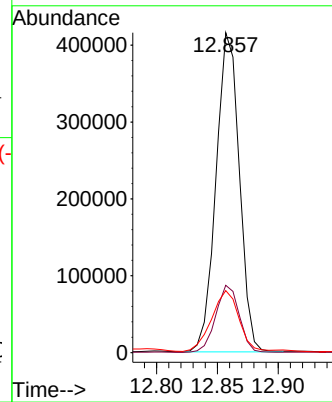
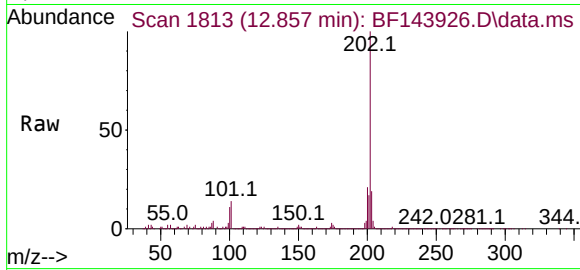




#78
Pyrene
Concen: 22.785 ng
RT: 12.857 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

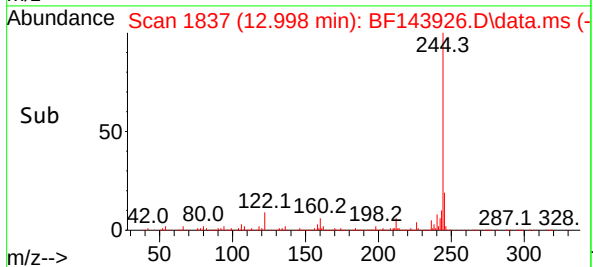
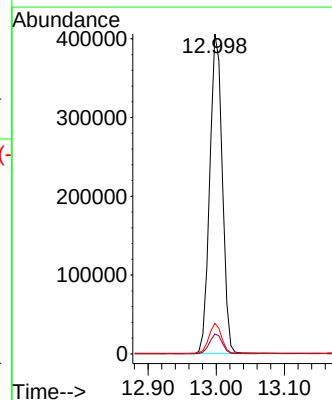
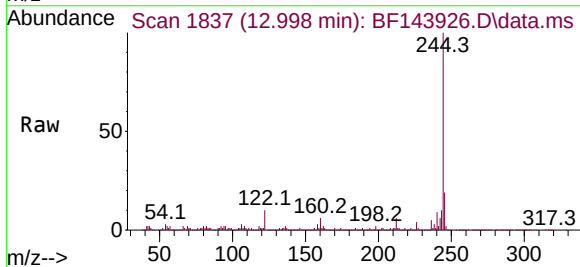
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

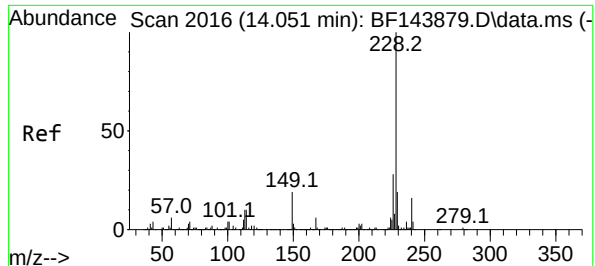
Tgt Ion:202 Resp: 553727
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.6
203 19.4 13.8 20.6



#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# 2016

Delta R.T. -0.006 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

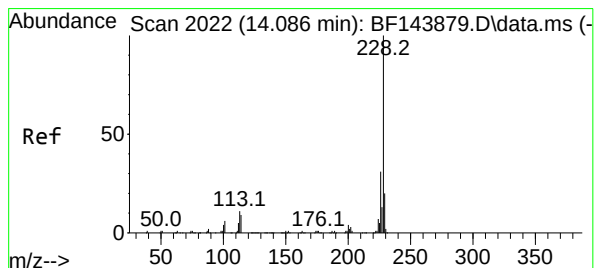
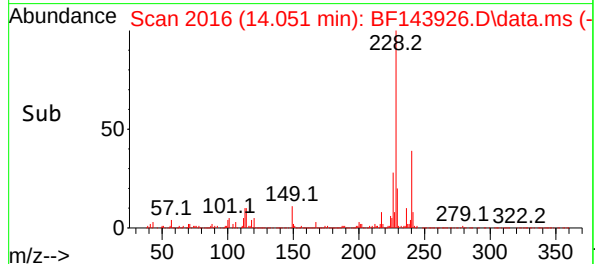
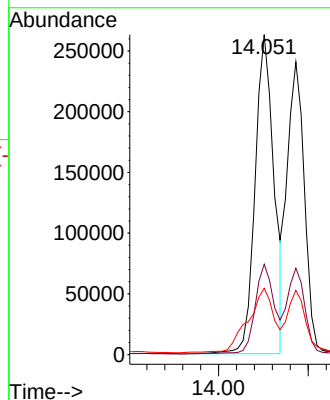
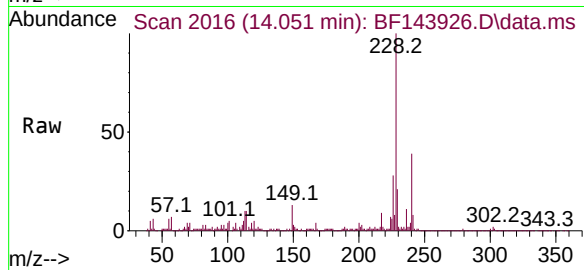
Tgt Ion:228 Resp: 384901

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

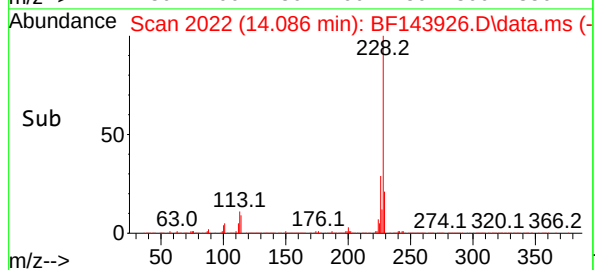
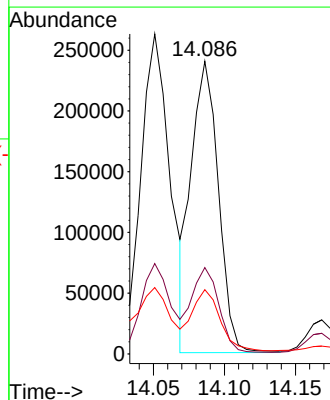
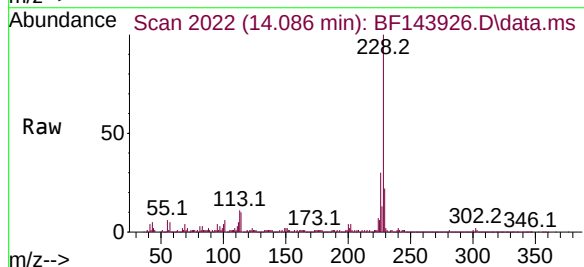
Tgt Ion:228 Resp: 319540

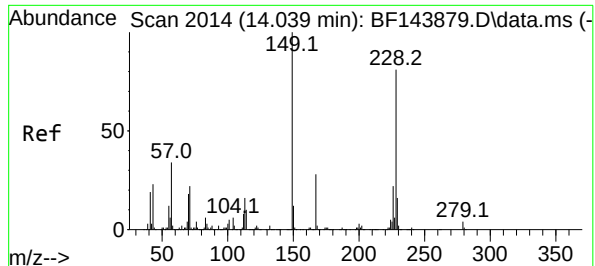
Ion Ratio Lower Upper

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# 2014

Delta R.T. 0.000 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

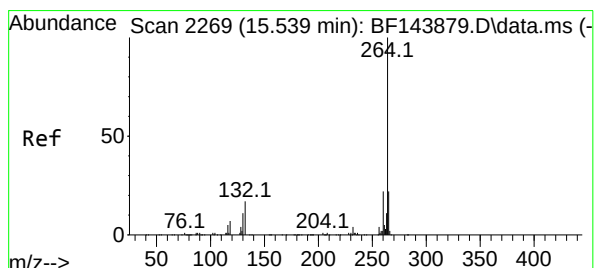
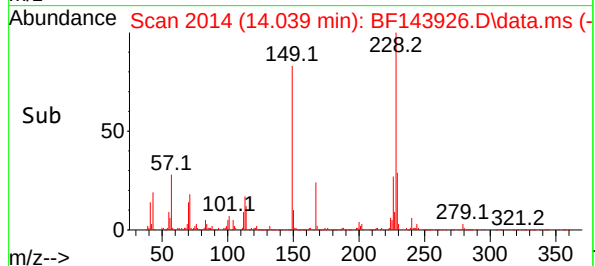
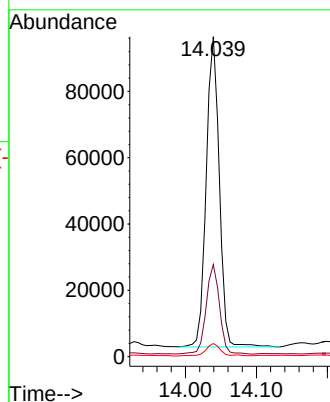
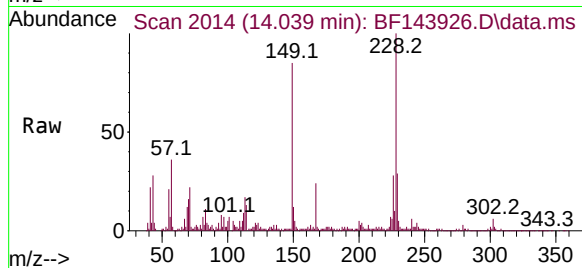
Tgt Ion:149 Resp: 118990

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

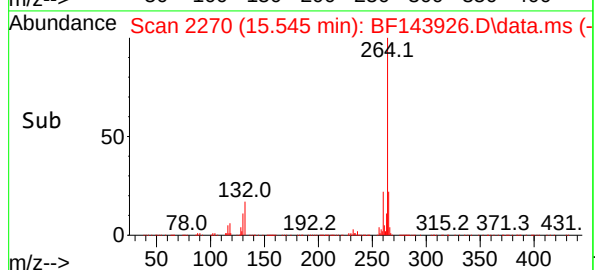
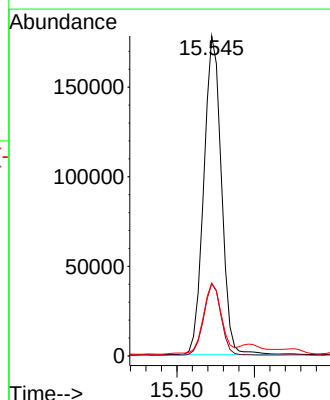
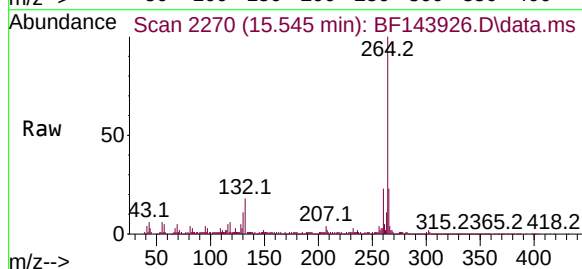
Tgt Ion:264 Resp: 280555

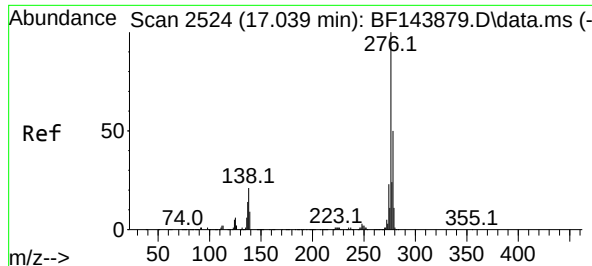
Ion Ratio Lower Upper

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# 2197

Delta R.T. -0.017 min

Lab File: BF143926.D

Acq: 10 Oct 2025 15:51

Instrument :

BNA_F

ClientSampleId :

P001-DS-01

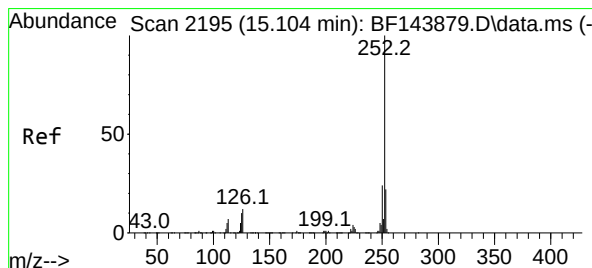
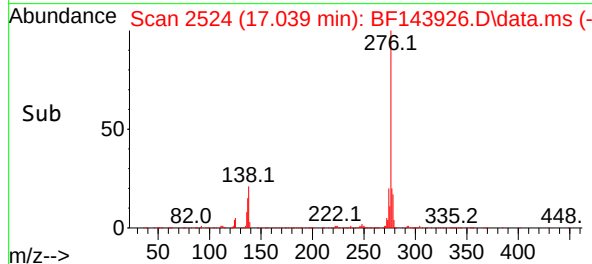
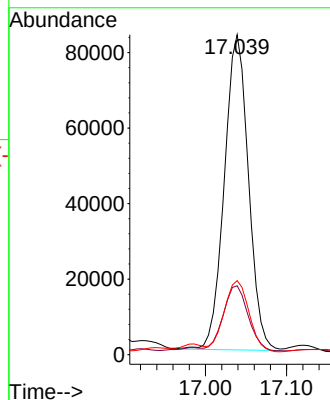
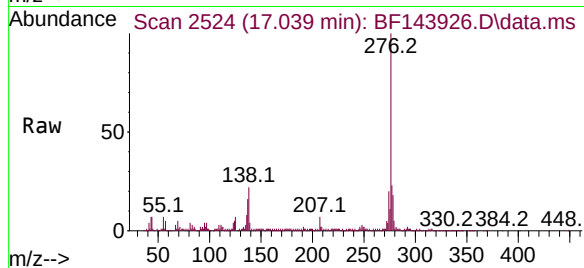
Tgt Ion:276 Resp: 172242

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

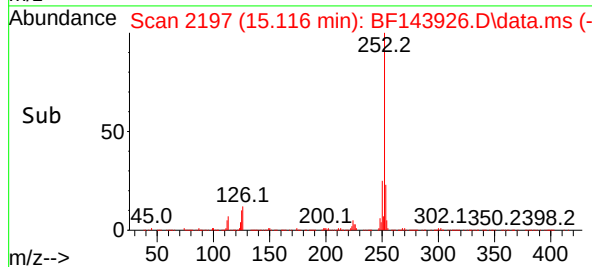
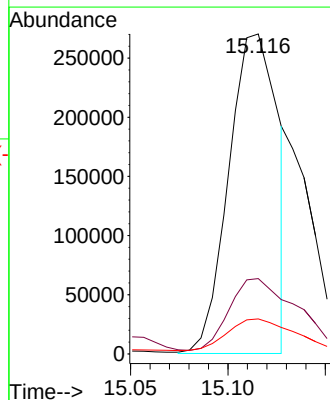
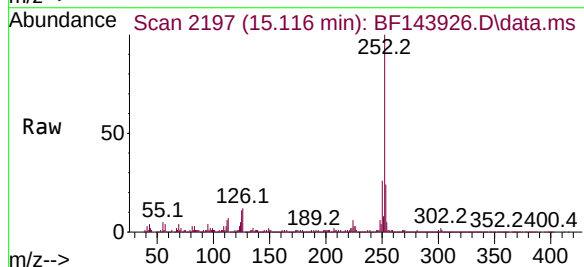
Tgt Ion:252 Resp: 474866

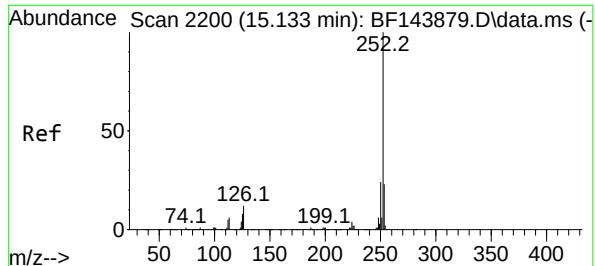
Ion Ratio Lower Upper

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

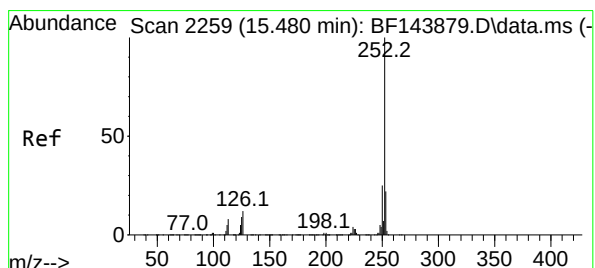
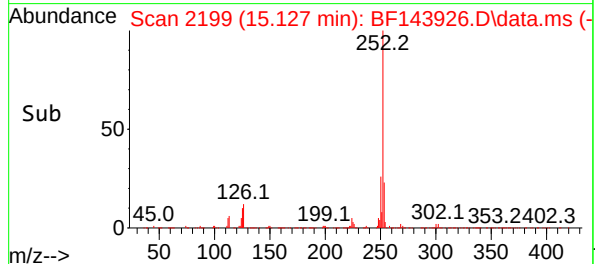
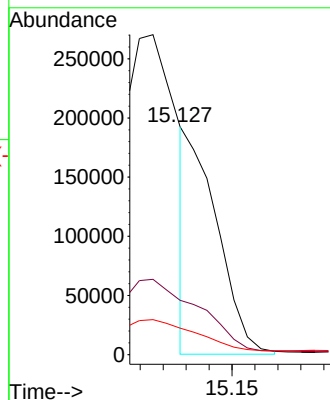
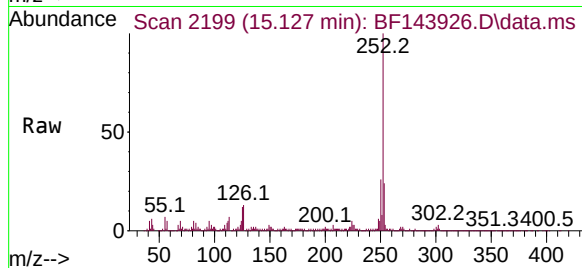
Tgt Ion:252 Resp: 172469

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

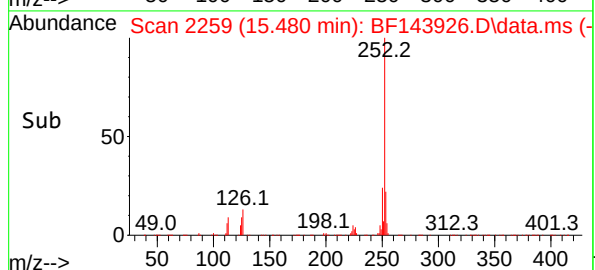
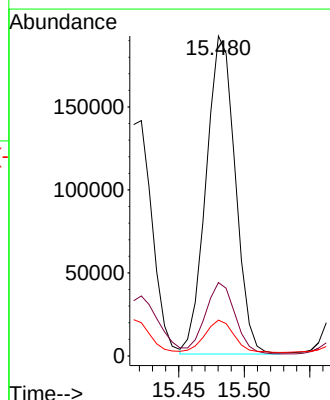
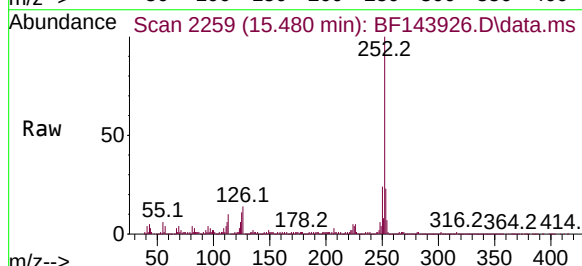
Tgt Ion:252 Resp: 296801

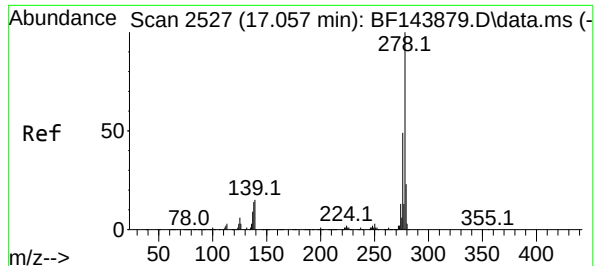
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.2 7.0 10.4#

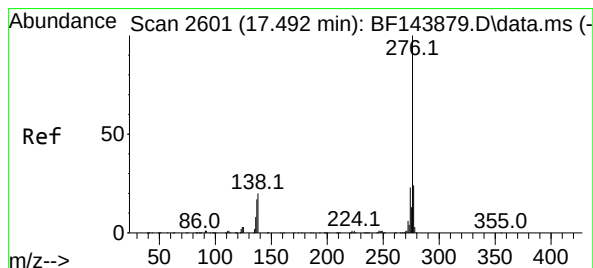
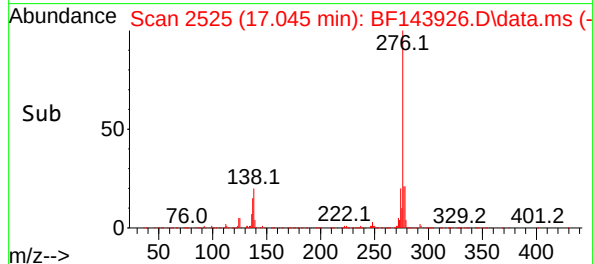
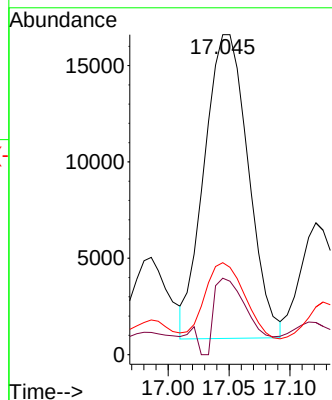
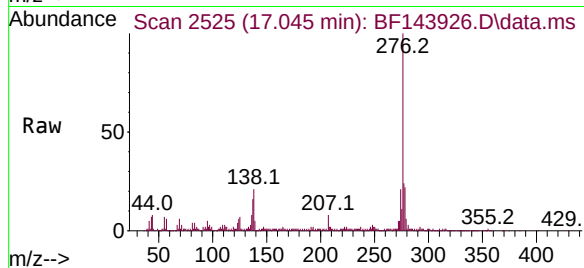




#91
Dibenzo(a,h)anthracene
Concen: 2.871 ng
RT: 17.045 min Scan# 2527
Delta R.T. -0.035 min
Lab File: BF143926.D
Acq: 10 Oct 2025 15:51

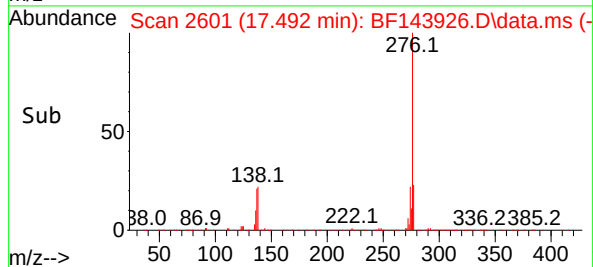
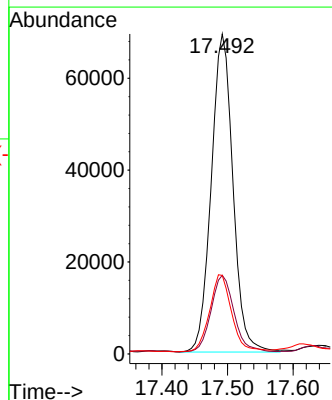
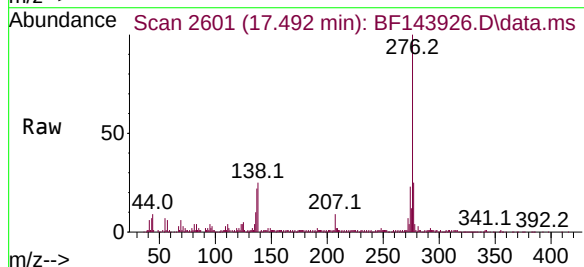
Instrument :
BNA_F
ClientSampleId :
P001-DS-01

Tgt Ion	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	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

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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%

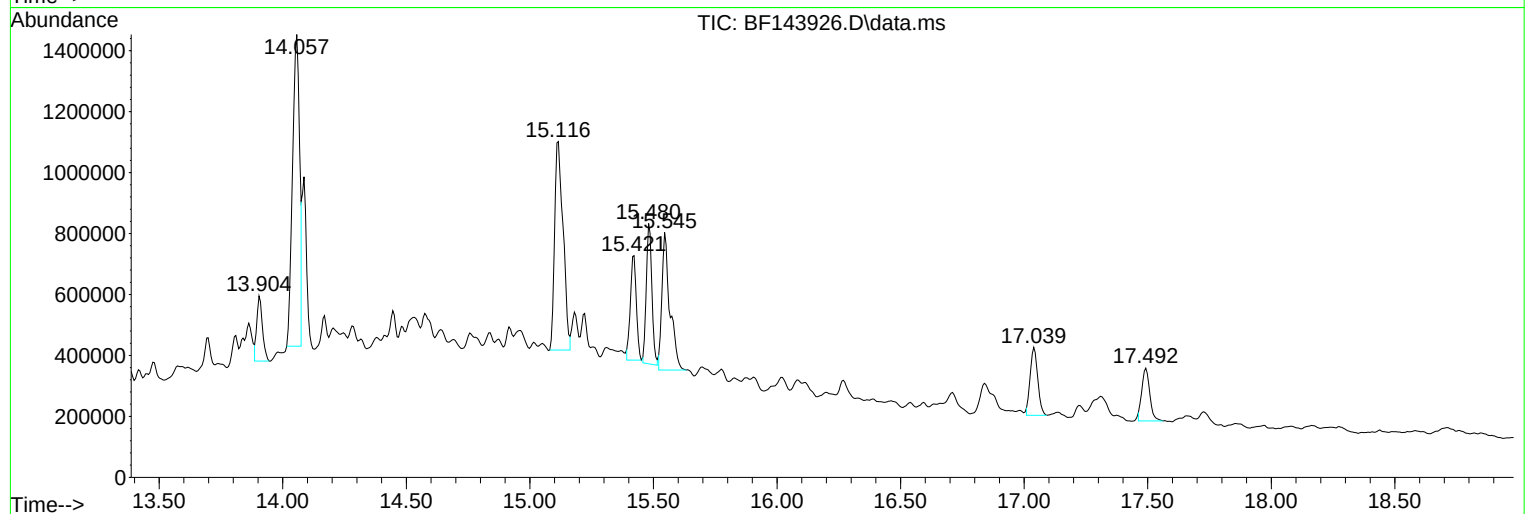
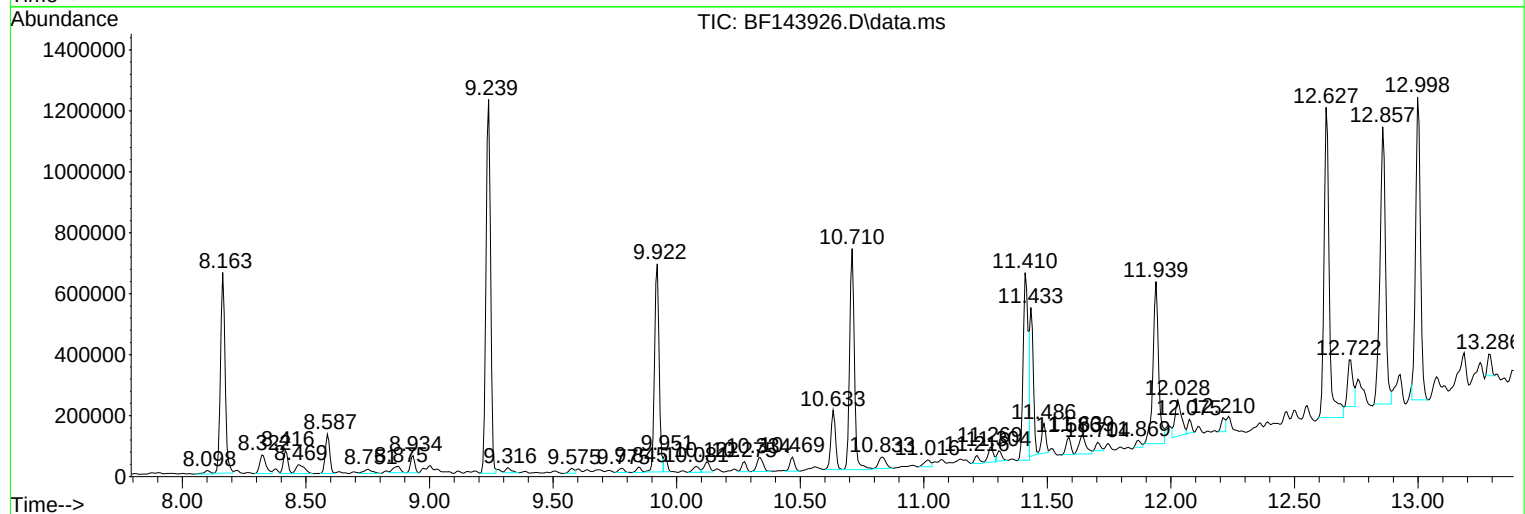
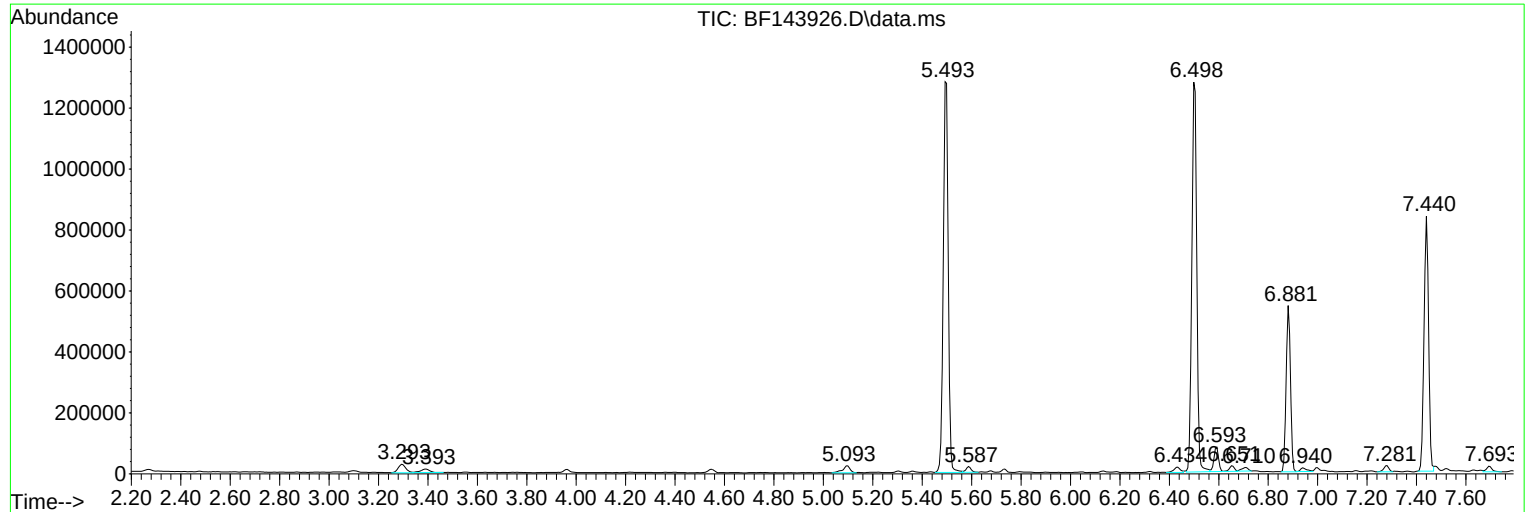
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143926.D
Acq On : 10 Oct 2025 15:51
Operator : RC/JU
Sample : Q3321-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

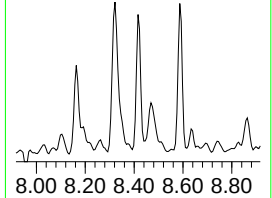
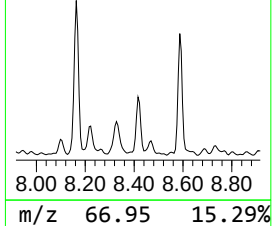
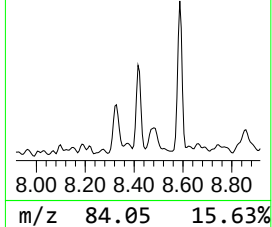
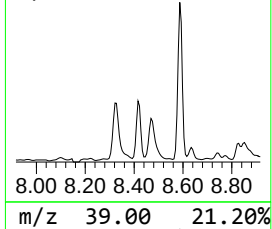
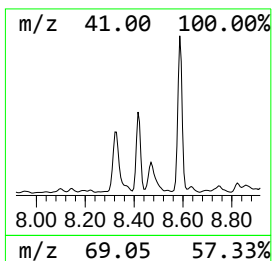
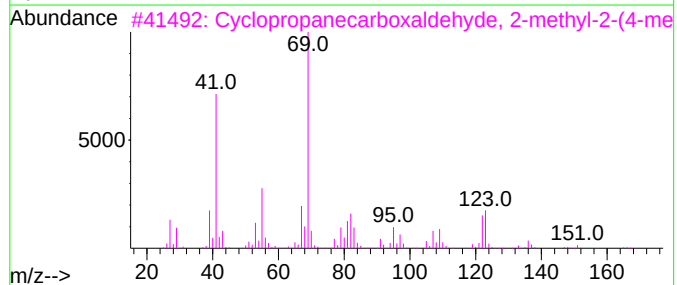
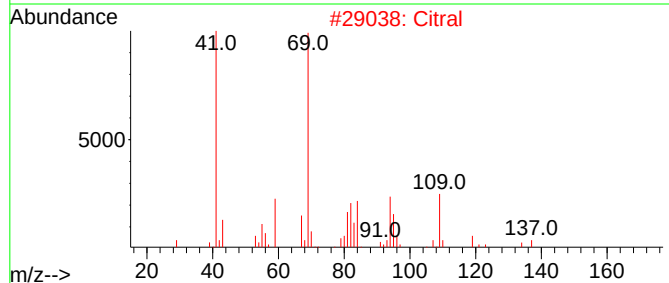
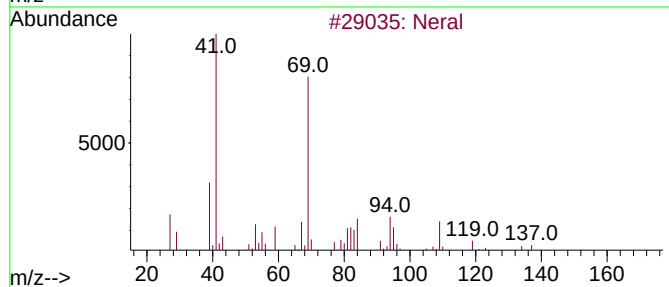
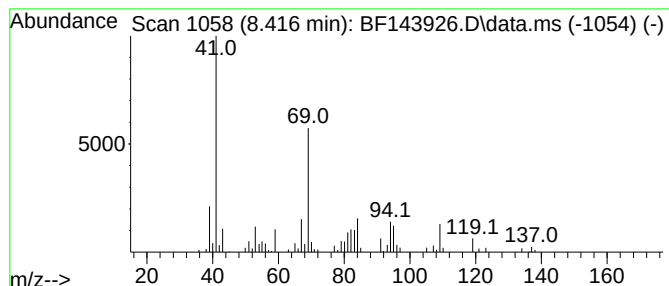
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

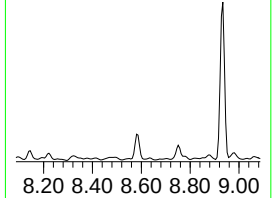
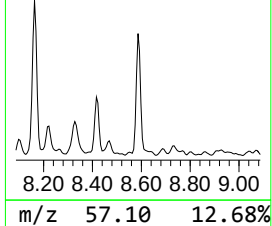
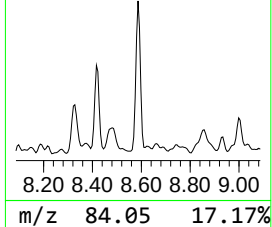
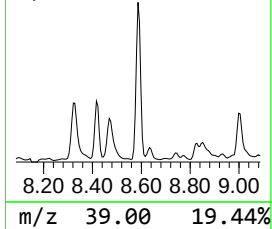
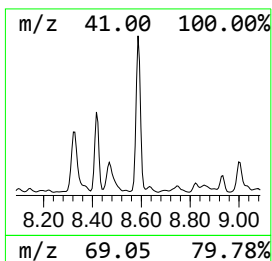
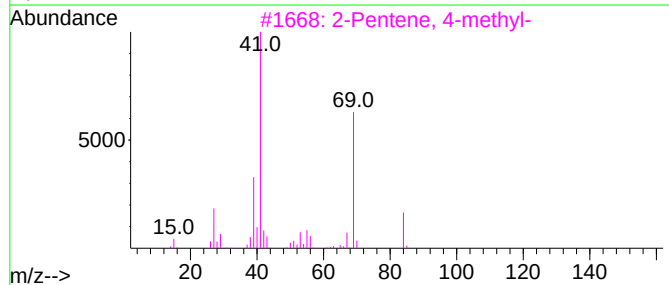
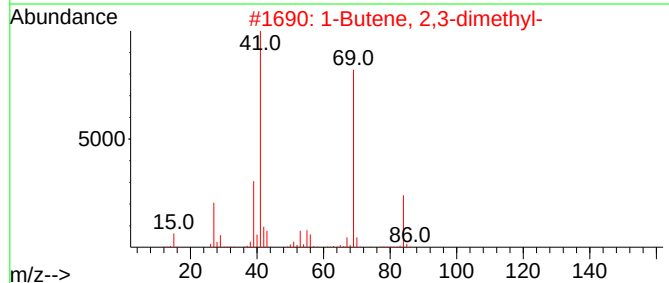
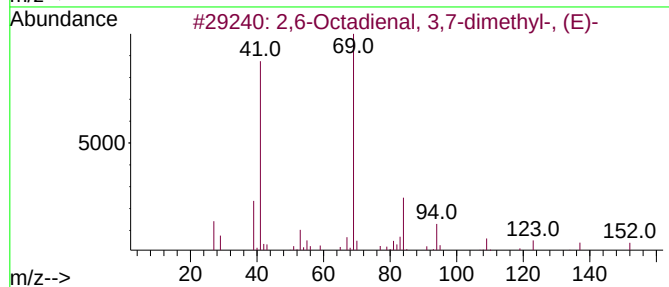
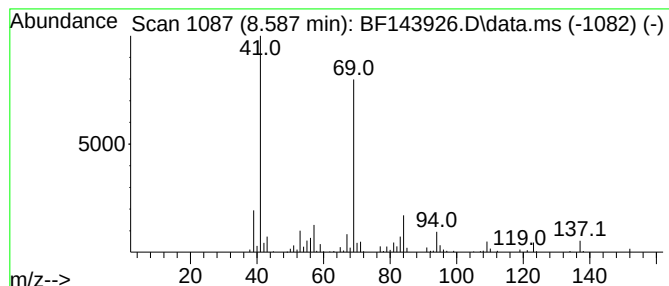
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2,6-Octadialenal, 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-Octadialenal, 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

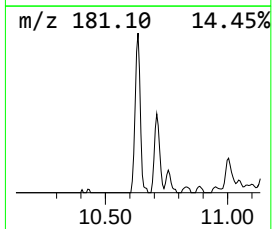
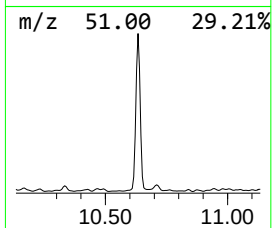
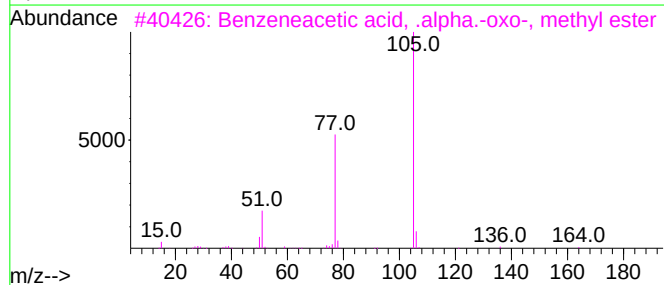
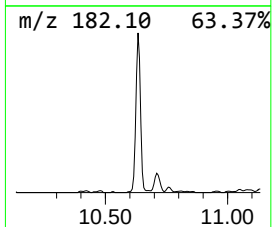
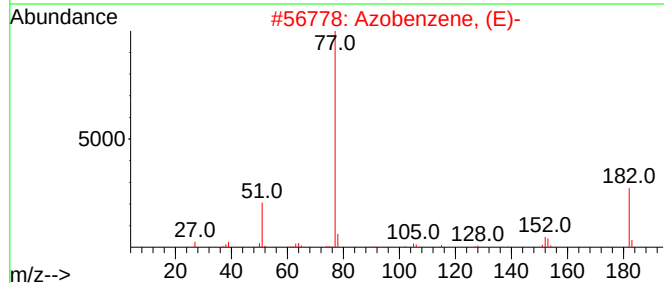
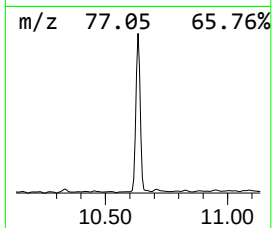
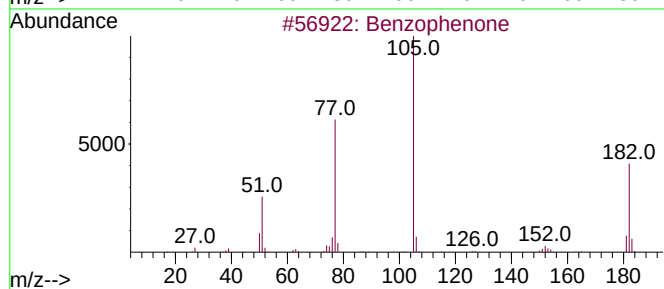
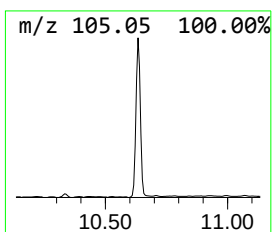
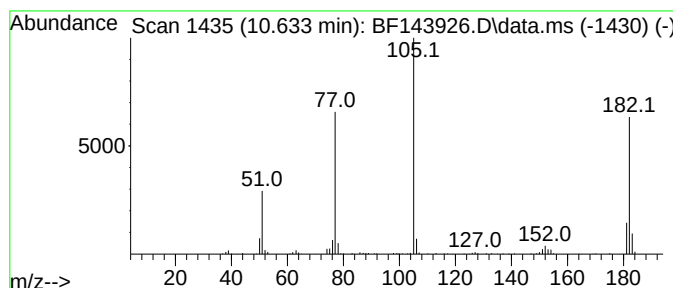
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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

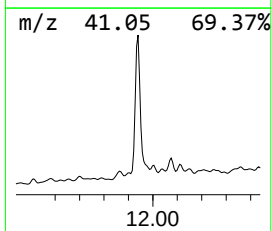
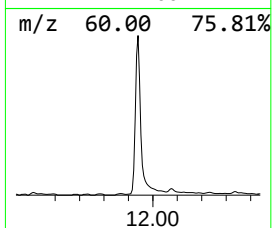
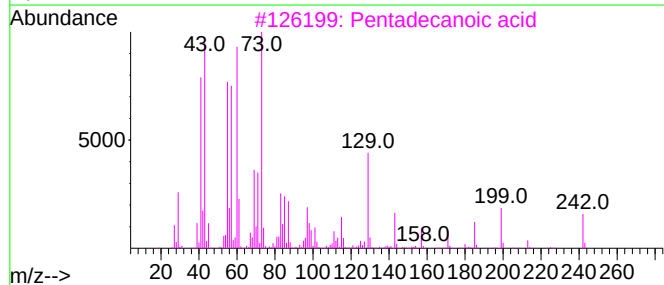
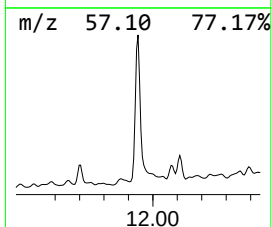
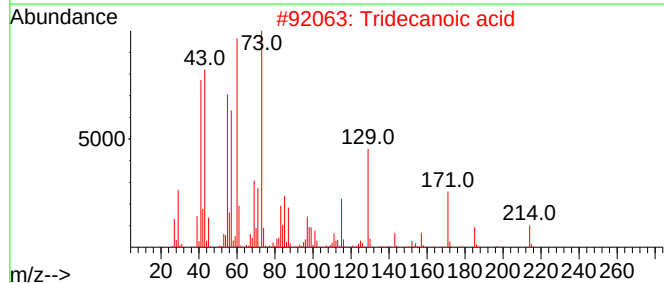
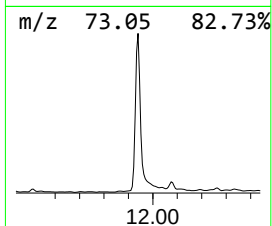
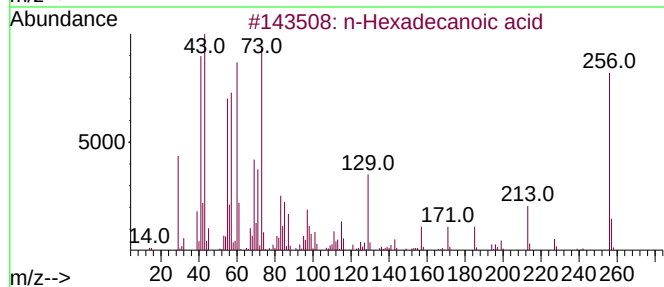
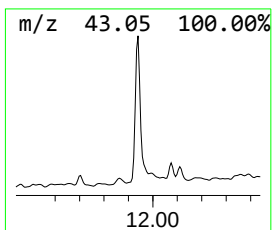
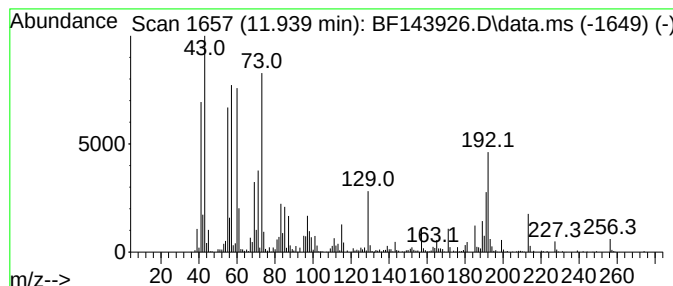
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

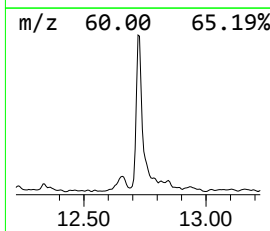
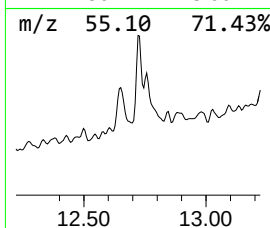
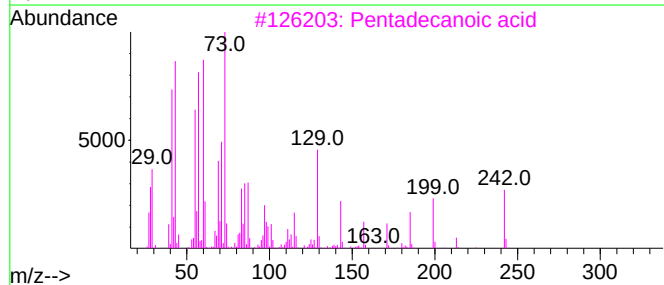
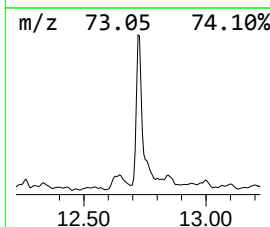
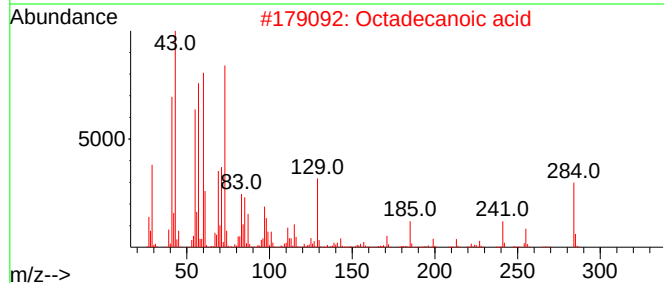
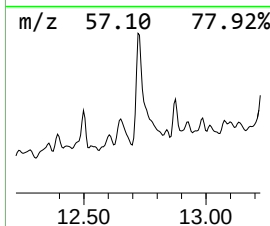
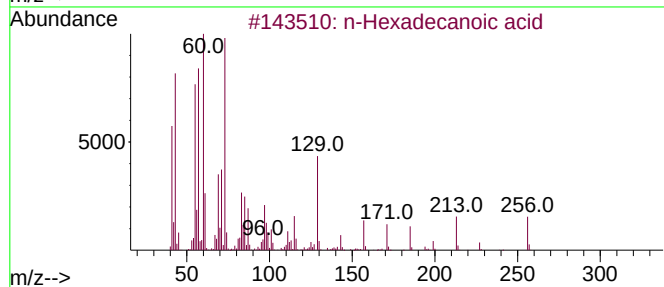
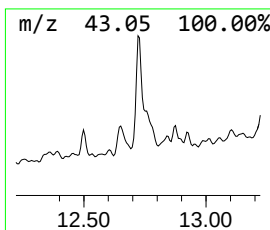
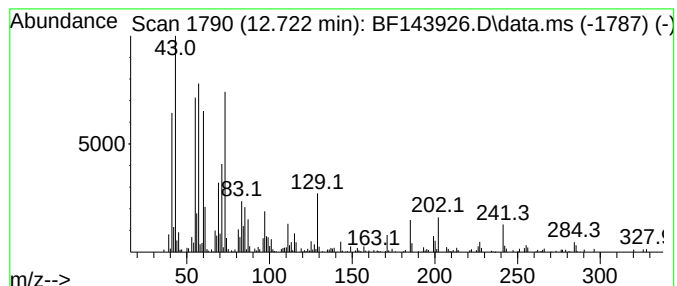
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

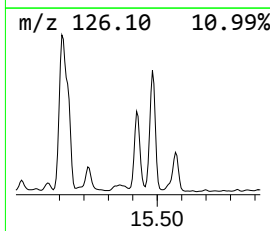
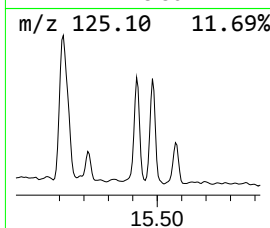
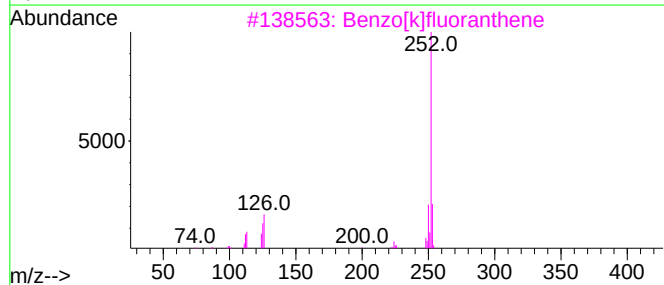
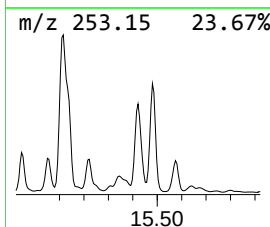
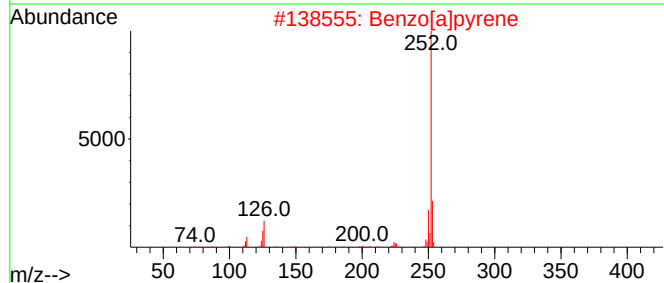
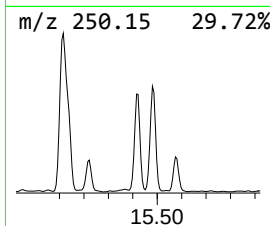
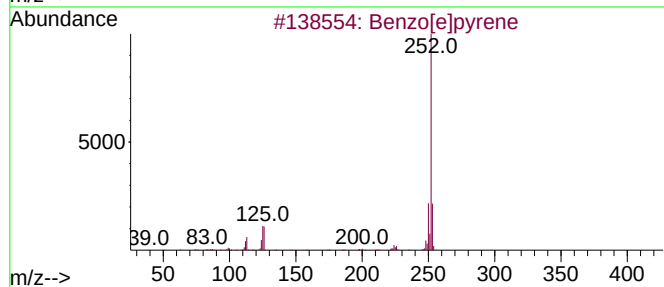
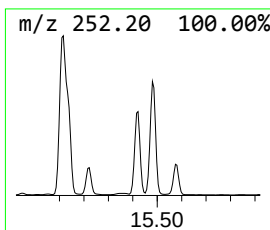
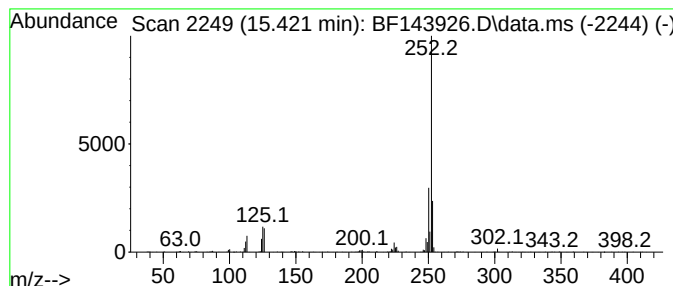
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

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 =BF143882.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	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	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	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	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	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	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

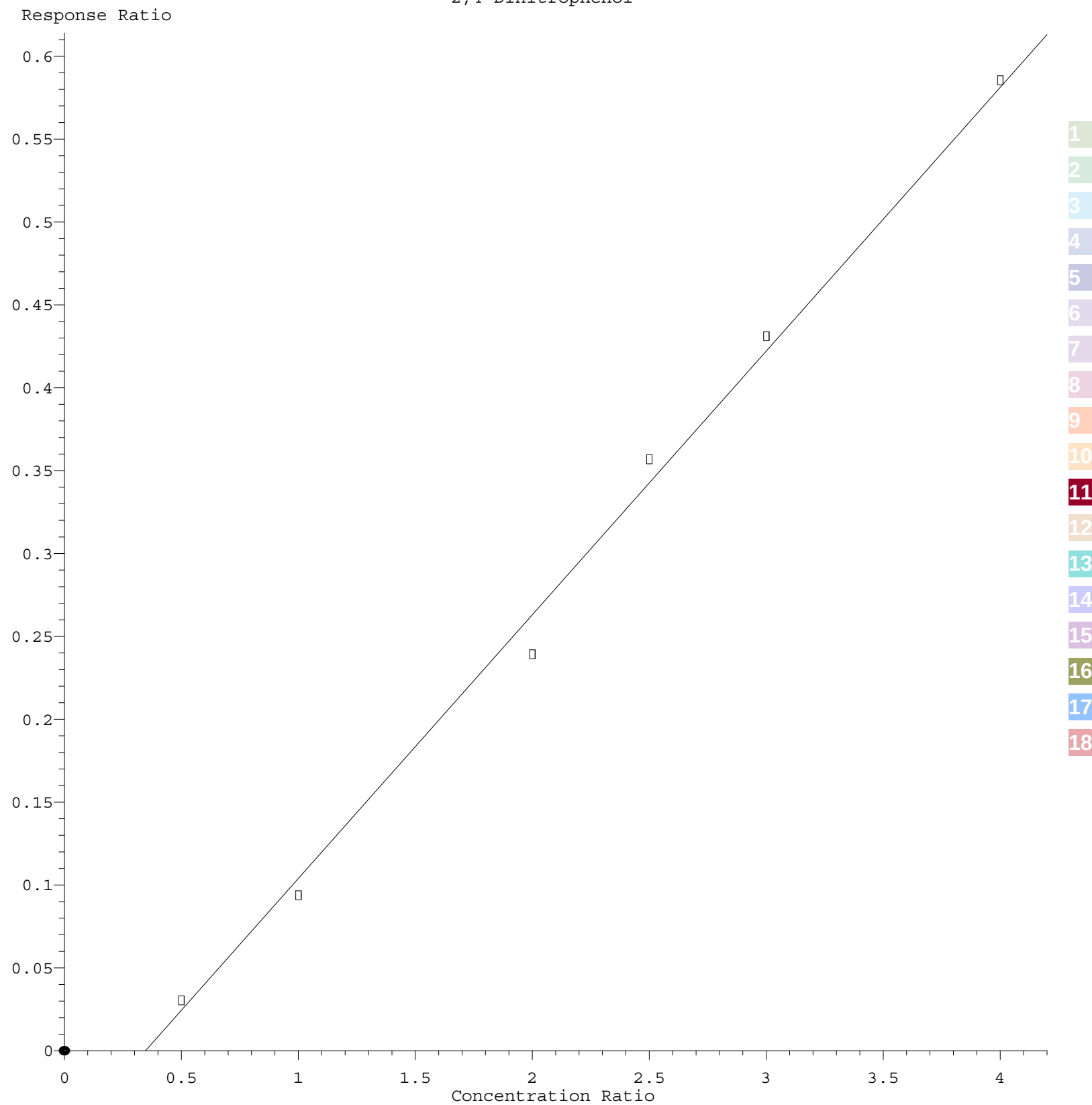
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38	
41) P	Hexachlorocycl...	0.182	0.216	0.257	0.246	0.240	0.235	0.229		11.77	
42) S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51	
43) C	2,4,6-Trichlor...	0.408	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	

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

2,4-Dinitrophenol



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

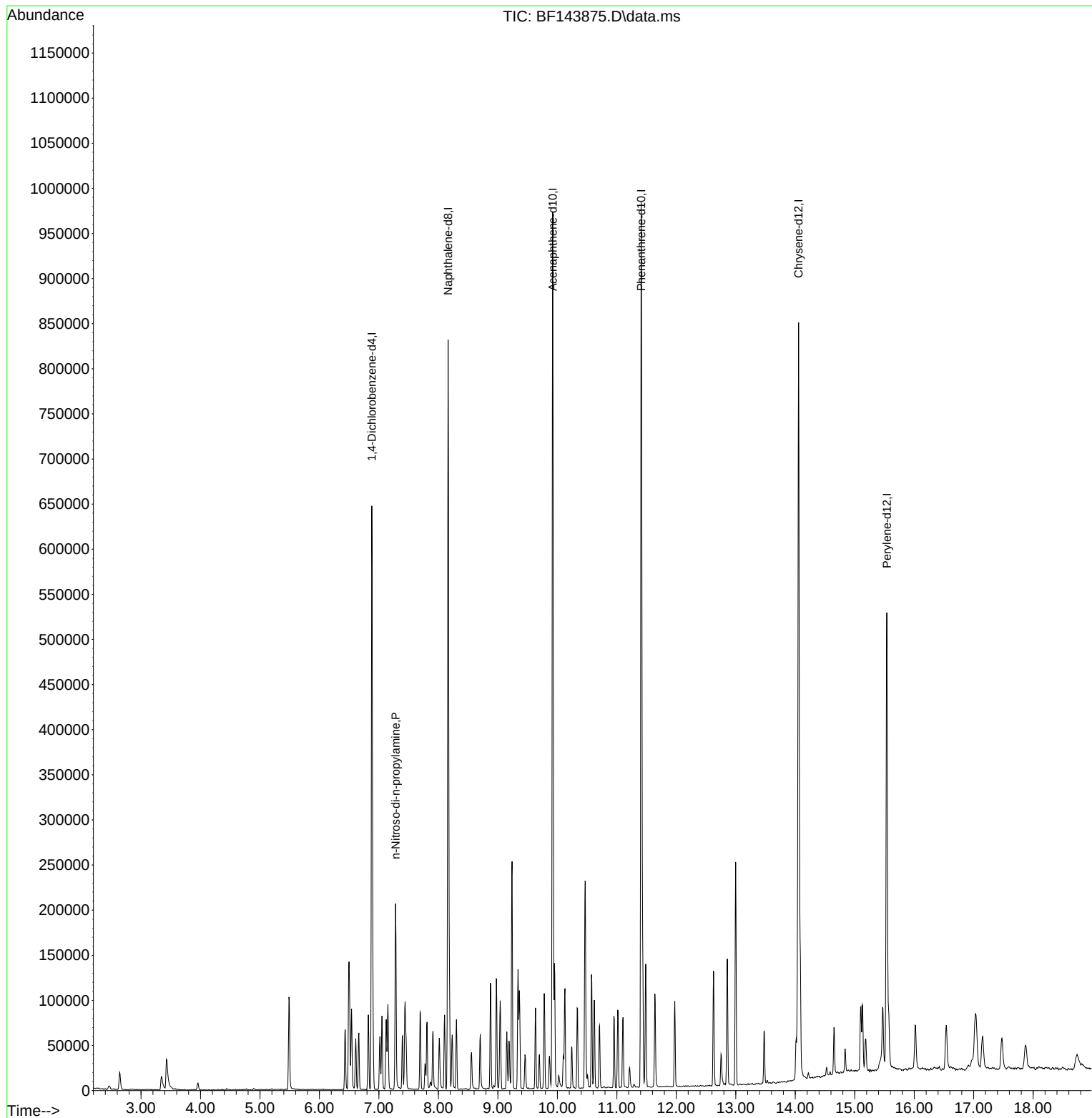
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	7.281	70	16847	2.559	ng	Qvalue 98

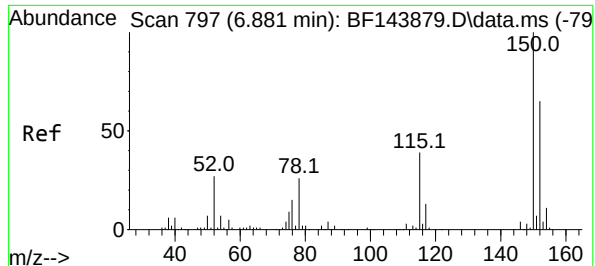
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

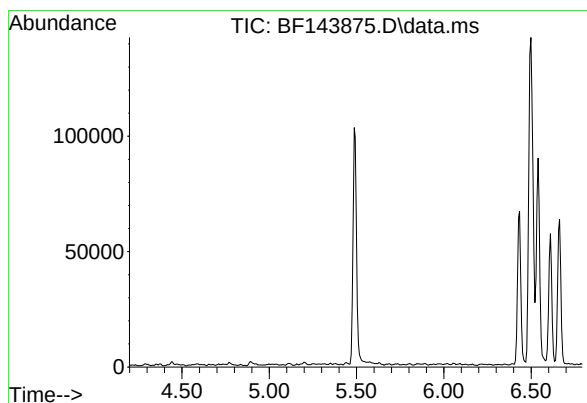
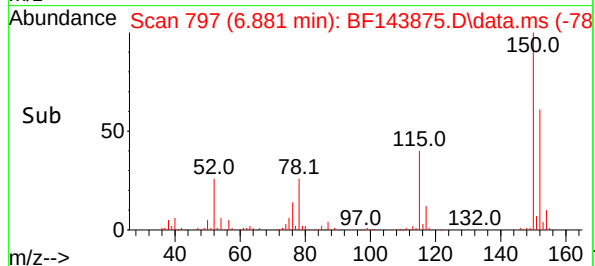
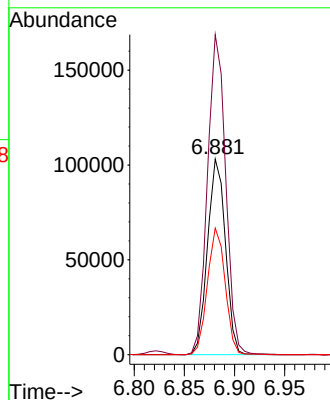
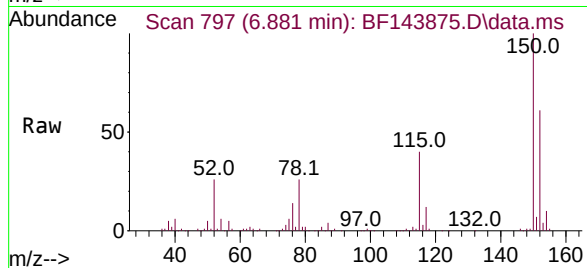
Tgt Ion:152 Resp: 128129

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

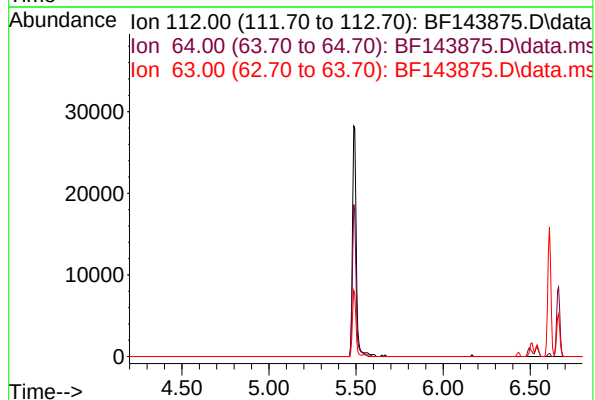
Tgt Ion: 112

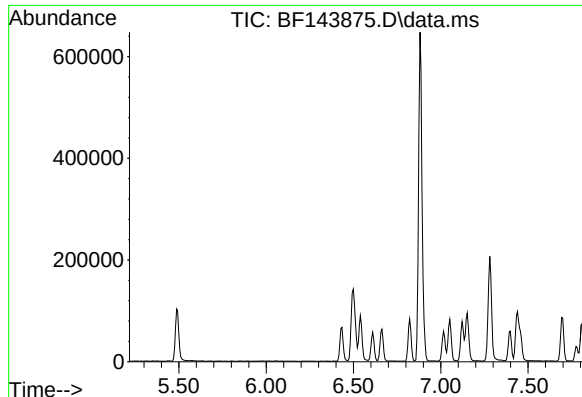
Sig Exp Ratio

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

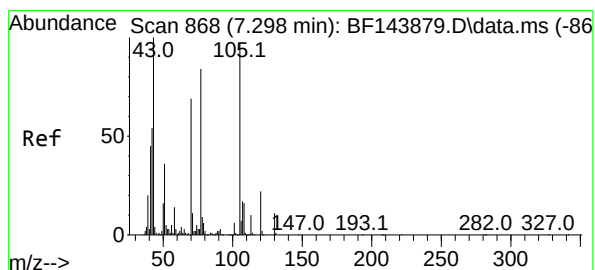
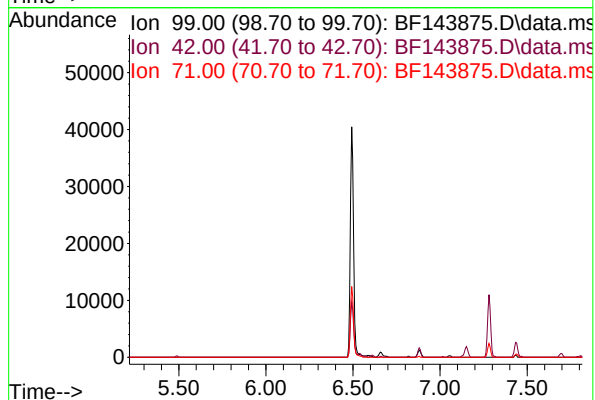
Tgt Ion: 99

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

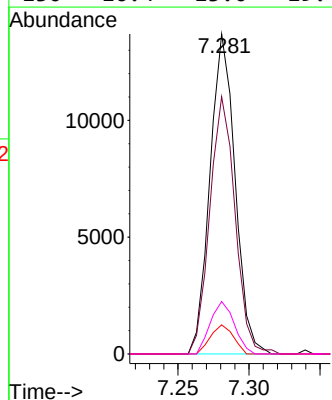
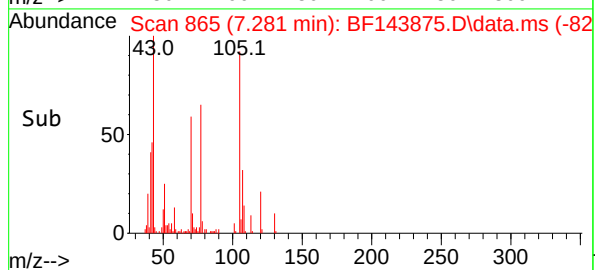
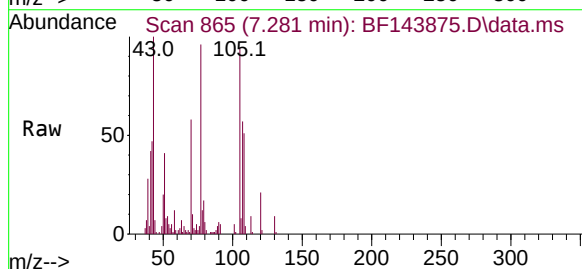
Ion Ratio Lower Upper

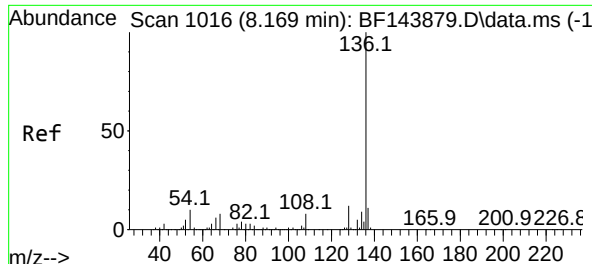
70 100

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# 10

Delta R.T. -0.006 min

Lab File: BF143875.D

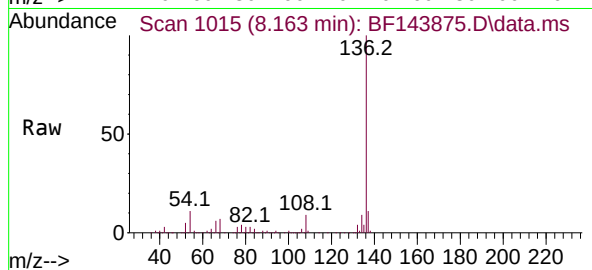
Acq: 06 Oct 2025 09:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 501174

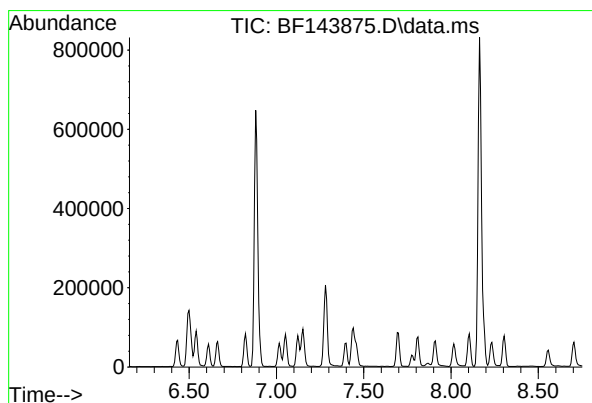
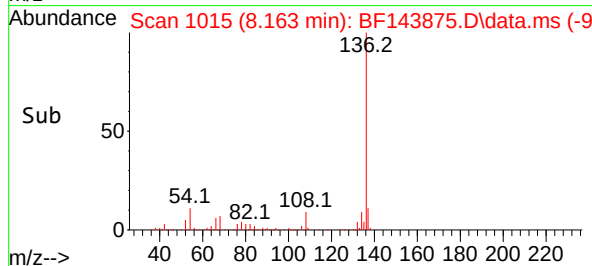
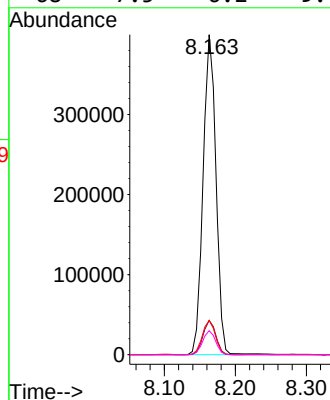
Ion Ratio Lower Upper

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

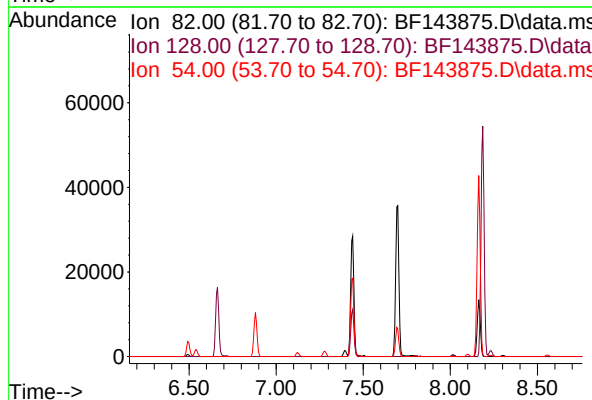
Tgt Ion: 82

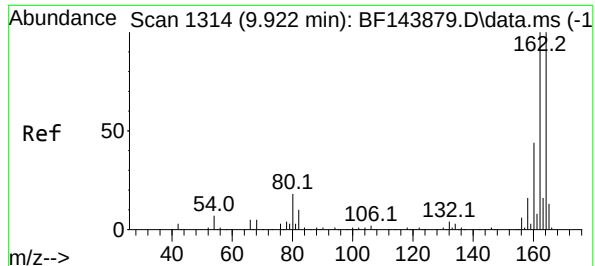
Sig Exp Ratio

82 100

128 42.5

54 66.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143875.D

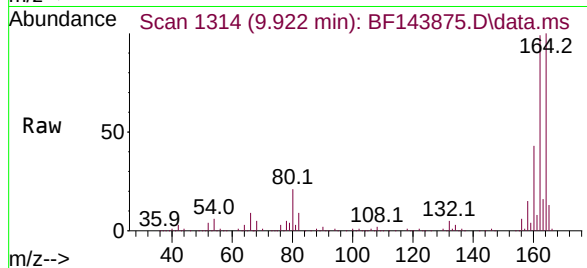
Acq: 06 Oct 2025 09:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



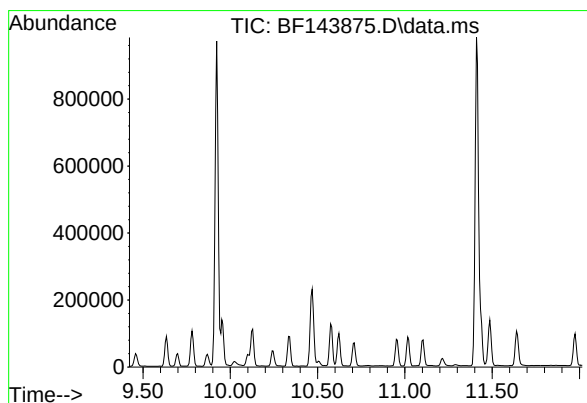
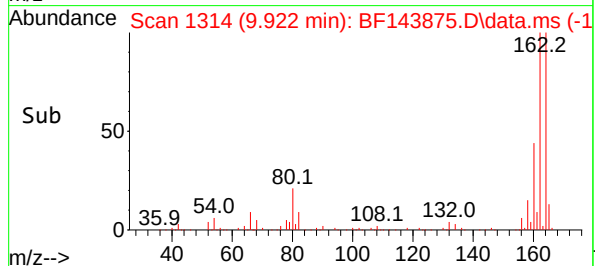
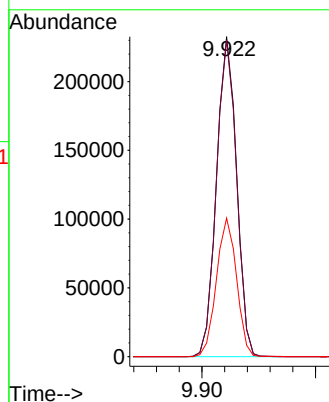
Tgt Ion:164 Resp: 285618

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

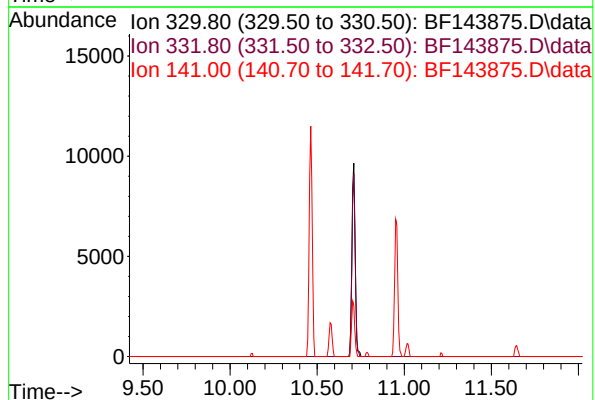
Tgt Ion: 330

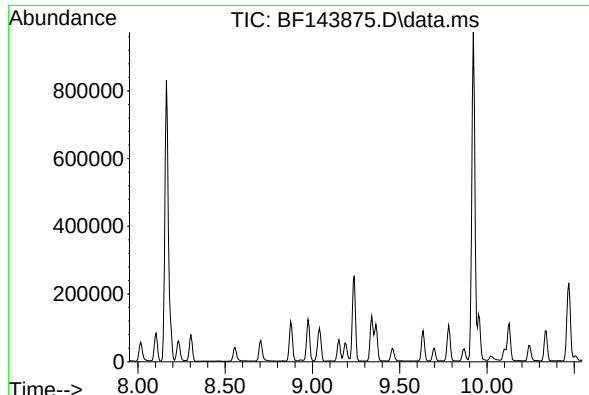
Sig Exp Ratio

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

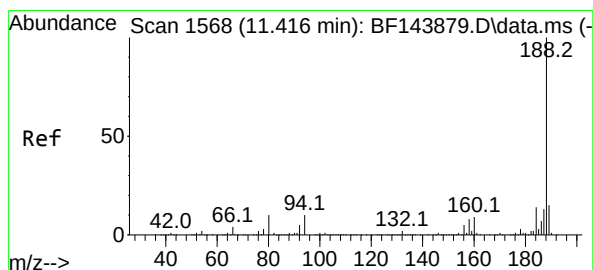
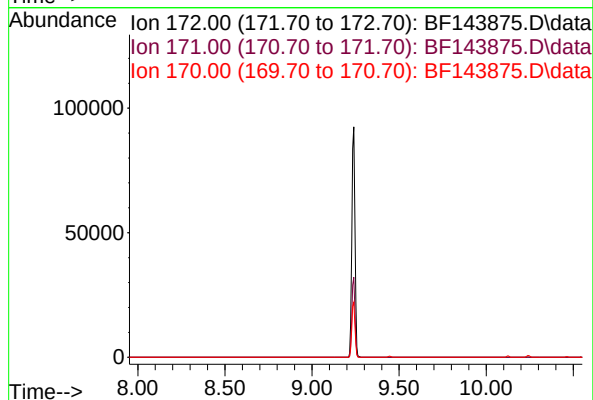
Tgt Ion: 172

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

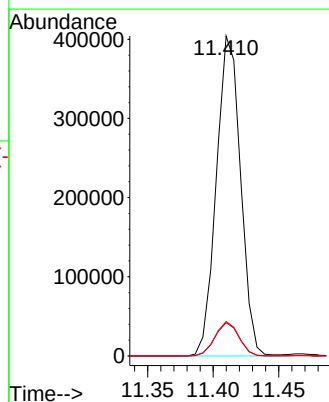
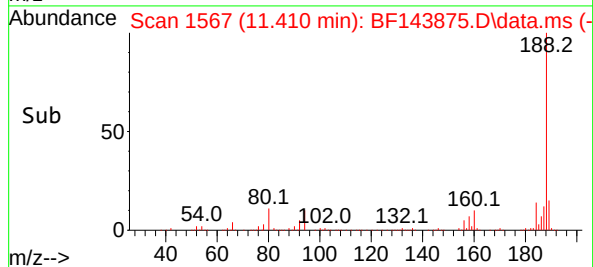
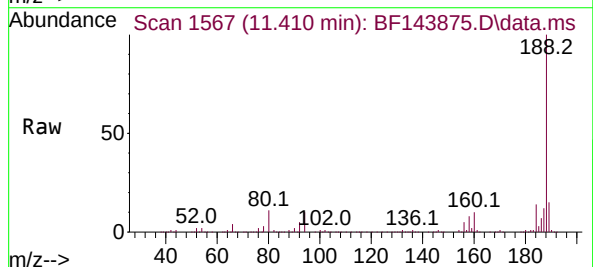
Tgt Ion:188 Resp: 520523

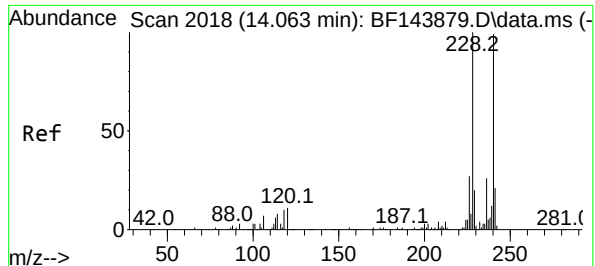
Ion Ratio Lower Upper

188 100

94 10.4 7.8 11.6

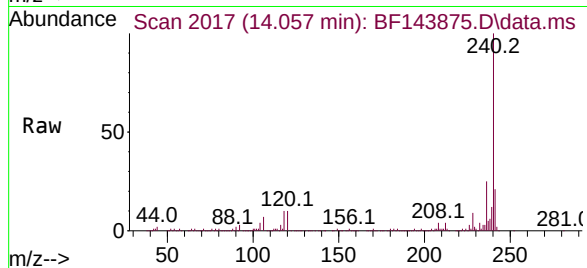
80 10.7 7.9 11.9



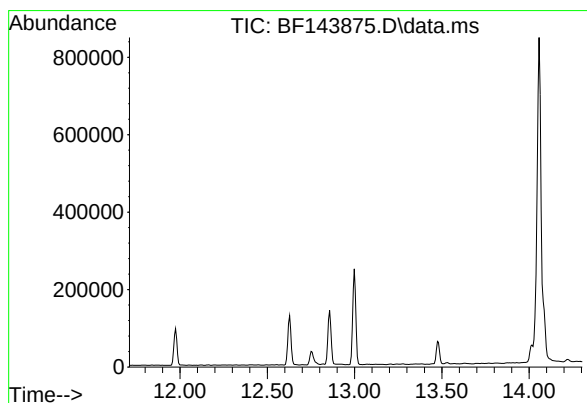
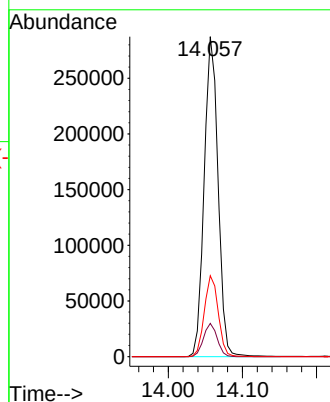
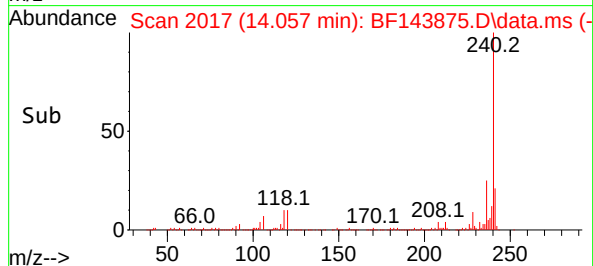


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



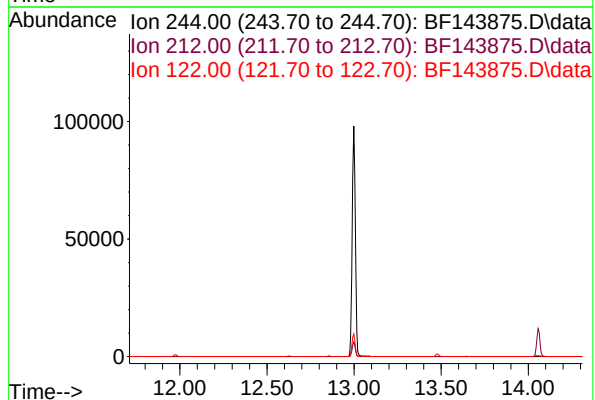
Tgt Ion: 240 Resp: 373433
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 25.3 21.1 31.7



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

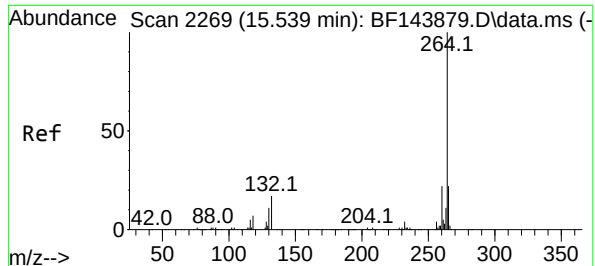
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.7
122 8.0



Ion 212.00 (211.70 to 212.70): BF143875.D\data

Ion 122.00 (121.70 to 122.70): BF143875.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143875.D

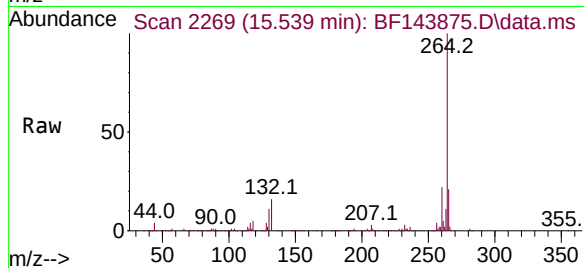
Acq: 06 Oct 2025 09:59

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



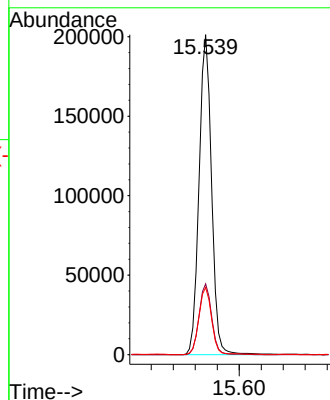
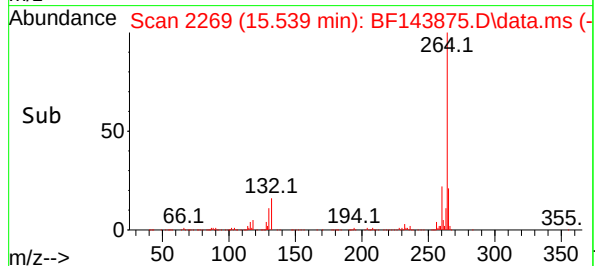
Tgt Ion:264 Resp: 316147

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

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

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	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

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

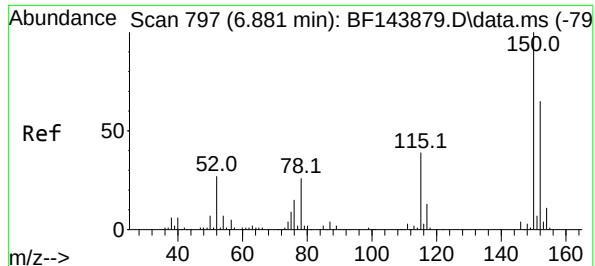
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations

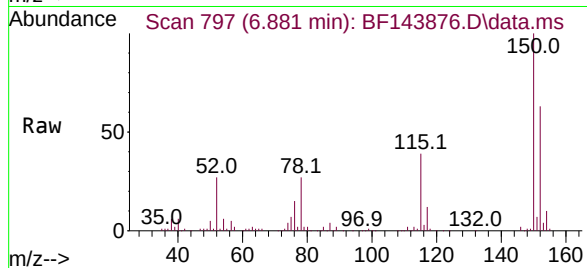
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025





#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

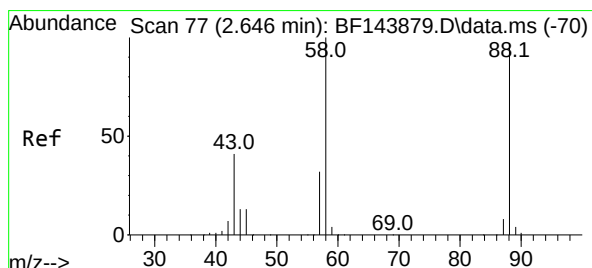
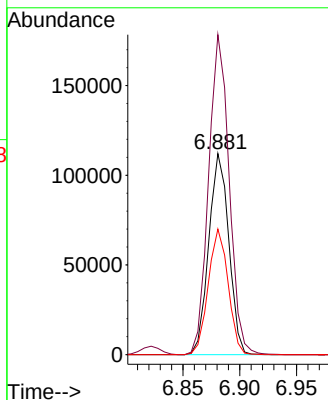
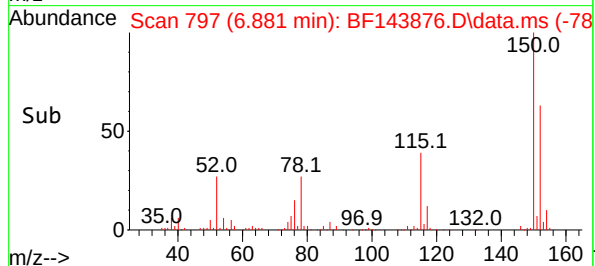
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 137596
Ion Ratio Lower Upper
152 100
150 159.1 124.4 186.6
115 62.4 48.1 72.1

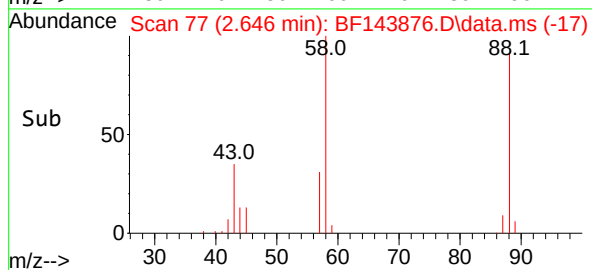
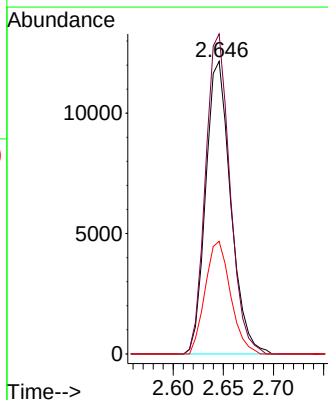
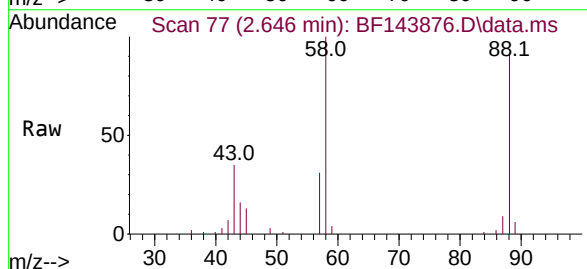
Manual Integrations
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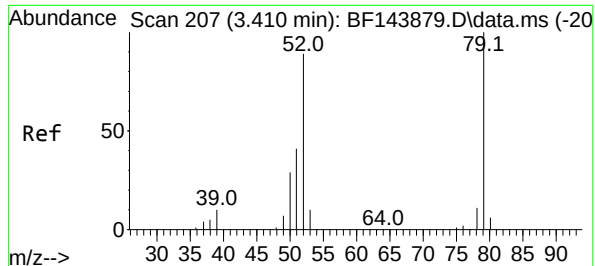
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 20

Delta R.T. 0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

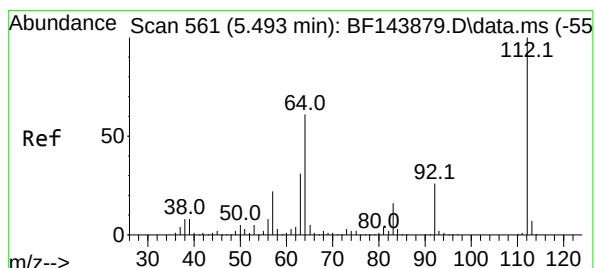
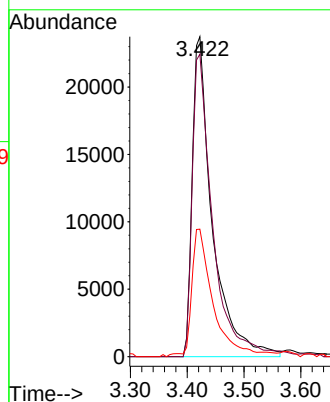
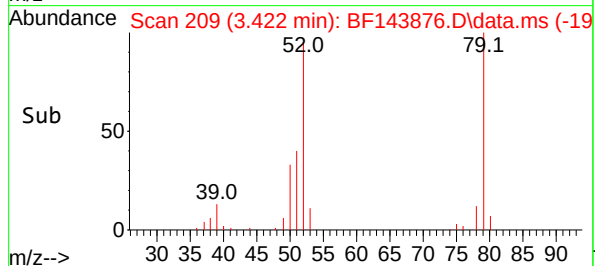
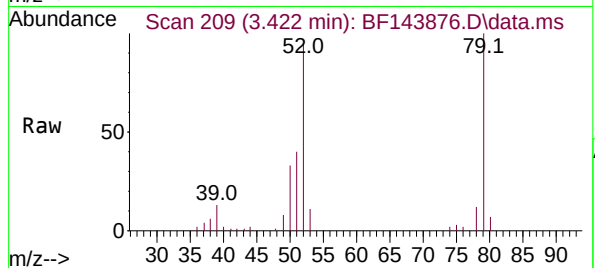
Tgt Ion:	79	Resp:	58179
Ion	Ratio	Lower	Upper
79	100		
52	94.5	71.5	107.3
51	39.8	32.9	49.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#5

2-Fluorophenol

Concen: 10.942 ng

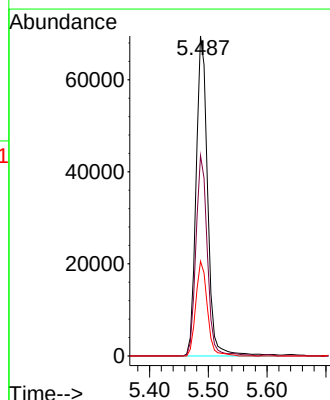
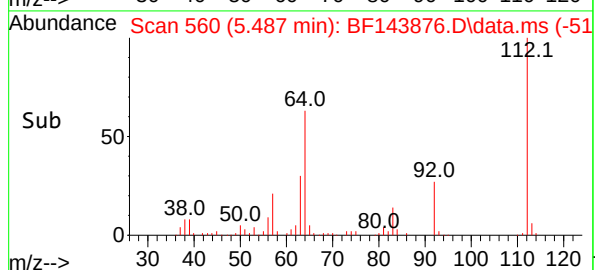
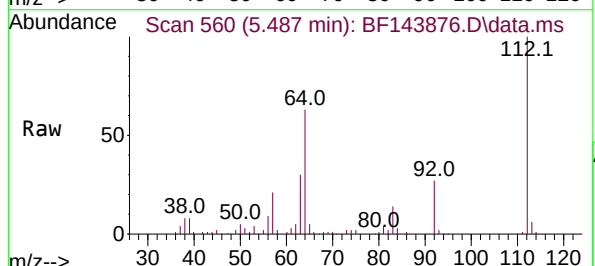
RT: 5.487 min Scan# 560

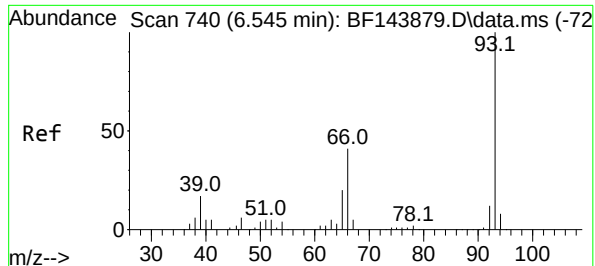
Delta R.T. -0.012 min

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





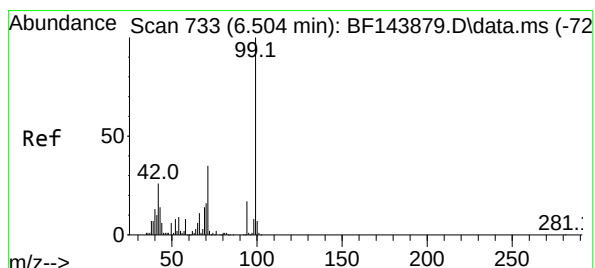
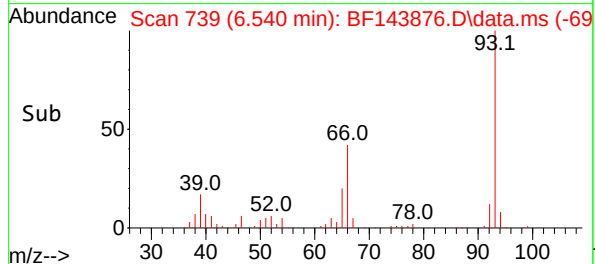
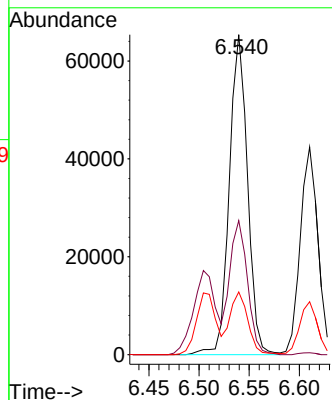
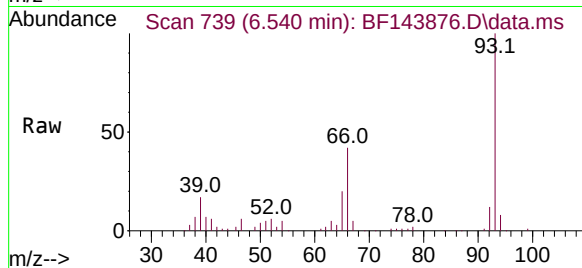
#6
Aniline
Concen: 5.335 ng
RT: 6.540 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 82563
Ion Ratio Lower Upper
93 100
66 41.9 33.0 49.6
65 19.6 15.8 23.8

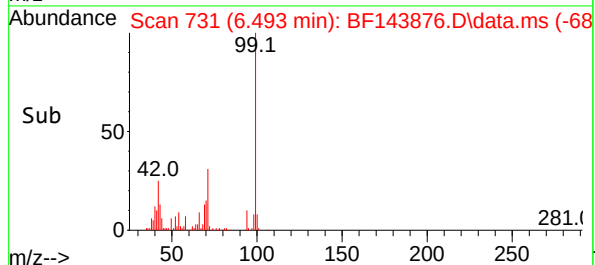
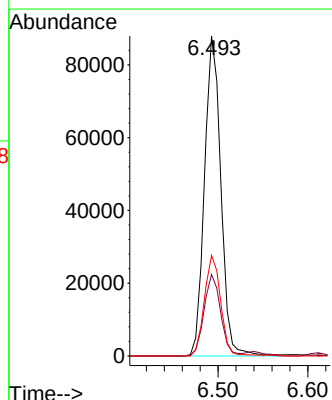
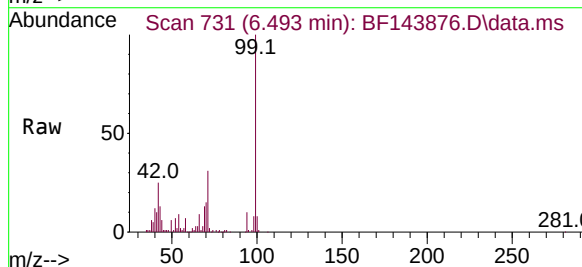
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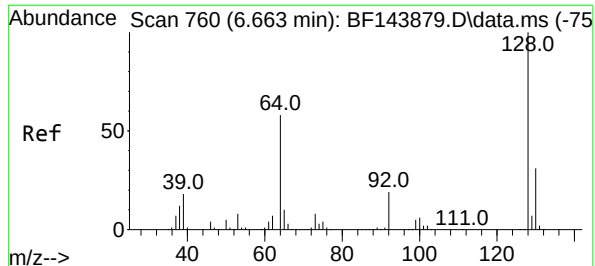
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

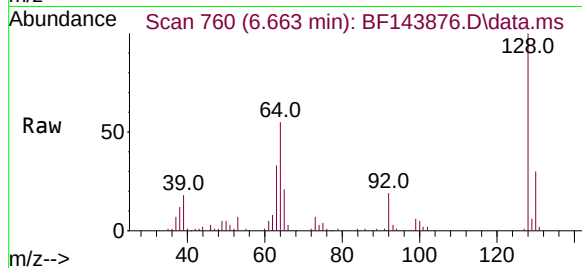
Tgt Ion: 99 Resp: 111877
Ion Ratio Lower Upper
99 100
42 25.4 21.0 31.4
71 31.4 27.8 41.8





#8
2-Chlorophenol
Concen: 5.376 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

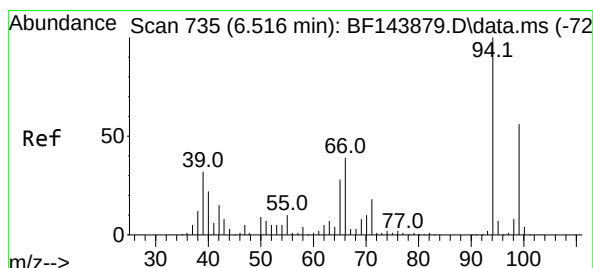
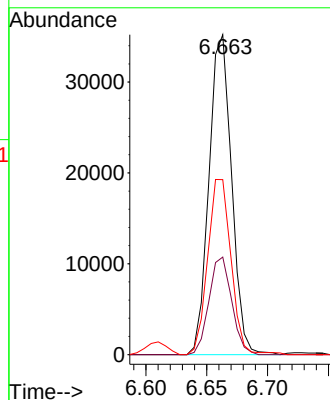
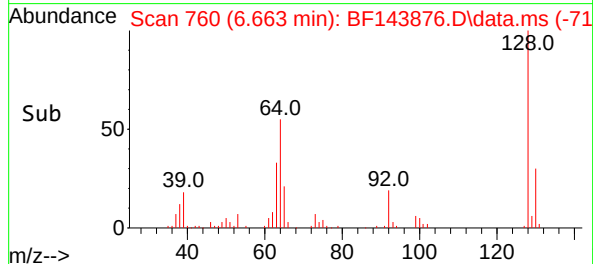
Instrument :
BNA_F
Client Sample Id :
SSTDICC005



Tgt Ion: 128 Resp: 45534
Ion Ratio Lower Upper
128 100
130 30.5 10.7 50.7
64 54.7 39.0 79.0

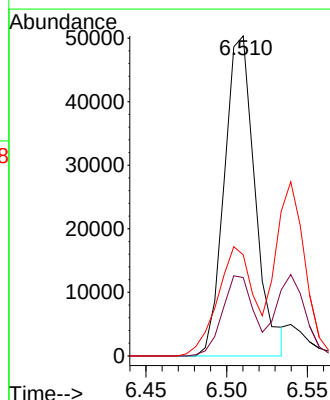
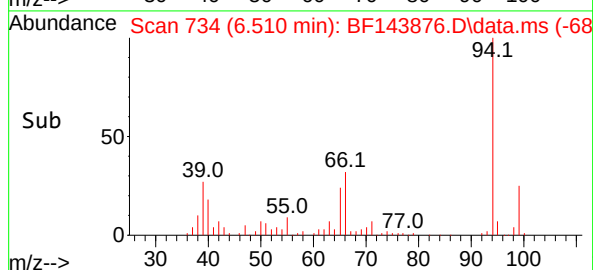
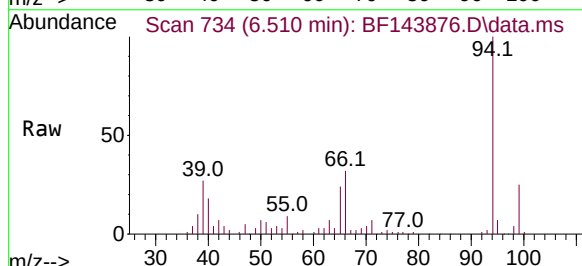
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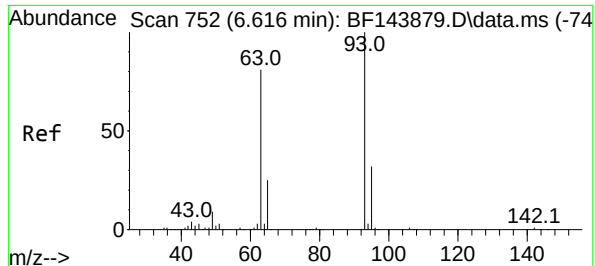
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 751

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

Tgt Ion: 93 Resp: 51163

Ion Ratio Lower Upper

93 100

63 82.9 60.9 100.9

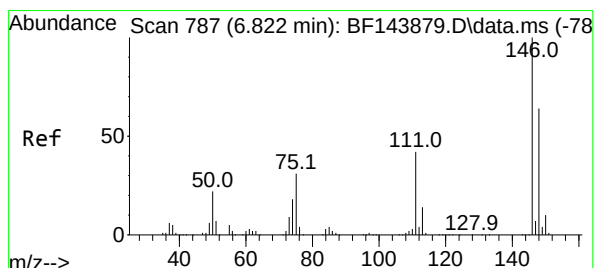
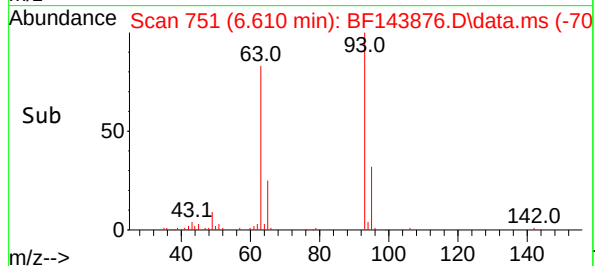
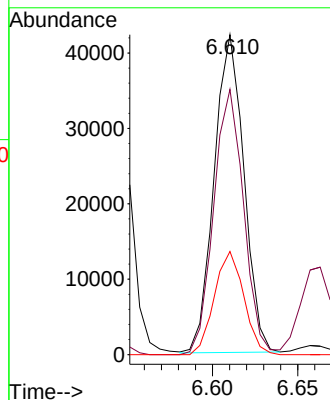
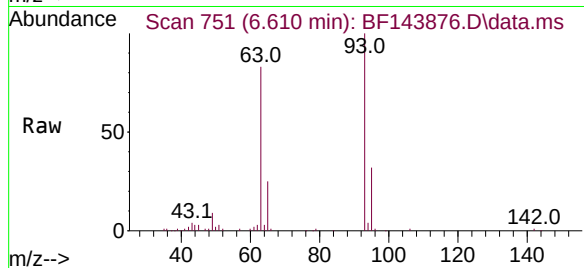
95 32.2 11.5 51.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

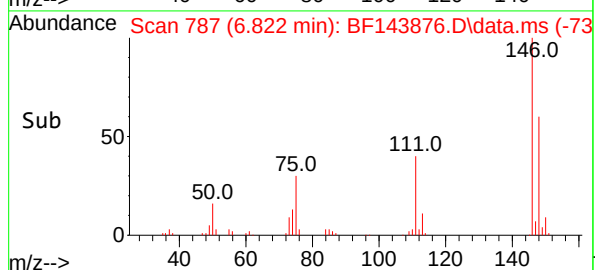
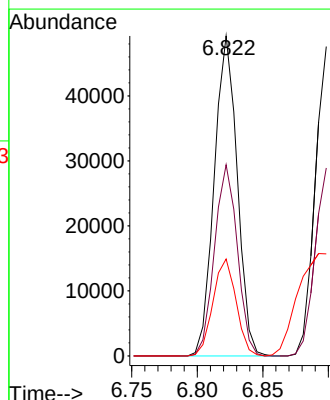
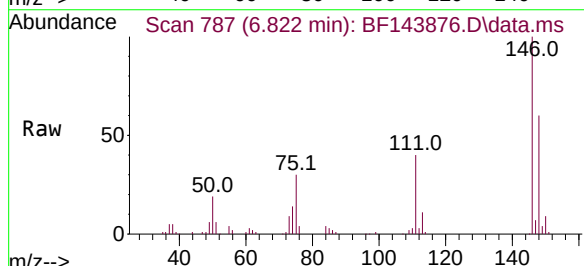
Tgt Ion:146 Resp: 59929

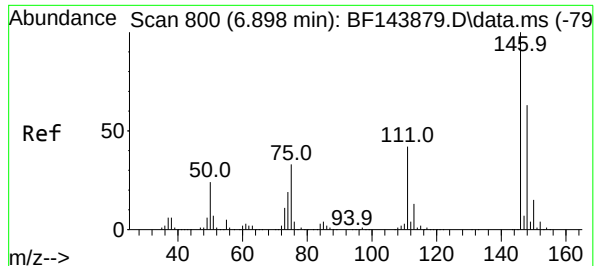
Ion Ratio Lower Upper

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# 800

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 56869

Ion Ratio Lower Upper

146 100

148 60.7 50.5 75.7

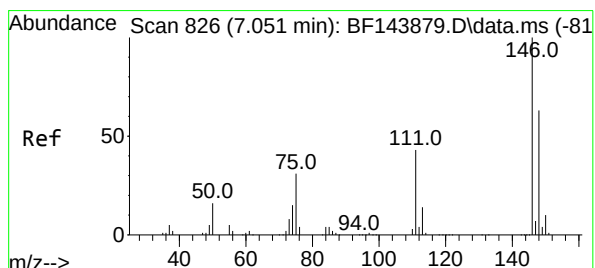
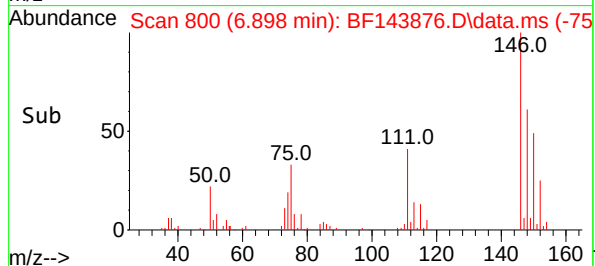
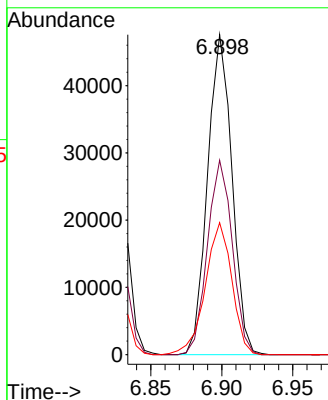
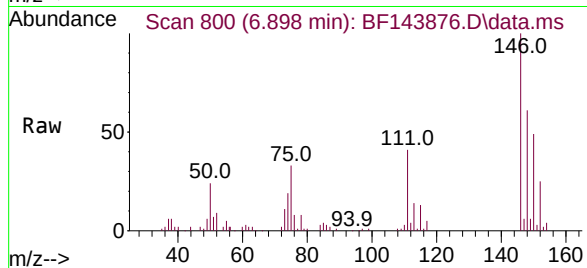
111 41.2 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

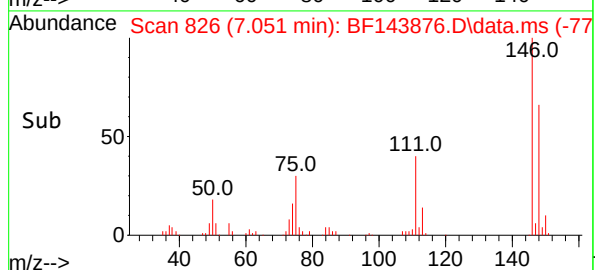
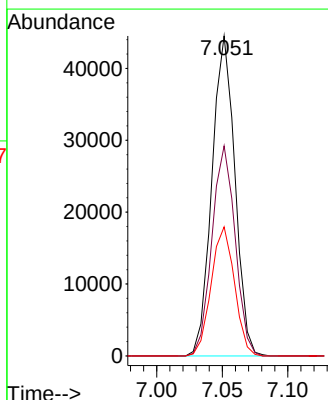
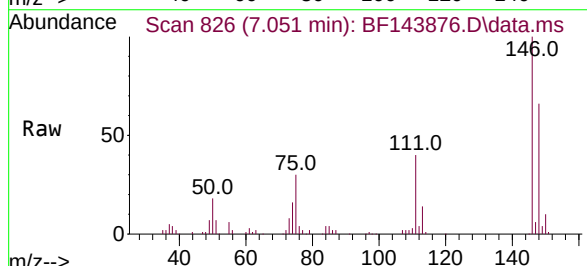
Tgt Ion:146 Resp: 54371

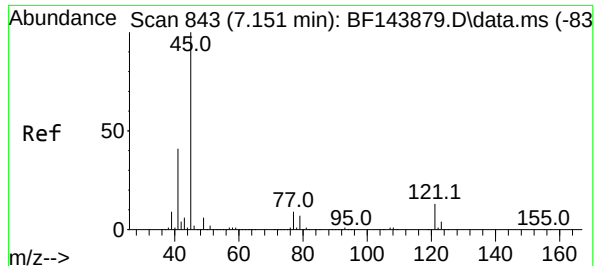
Ion Ratio Lower Upper

146 100

148 65.6 50.6 75.8

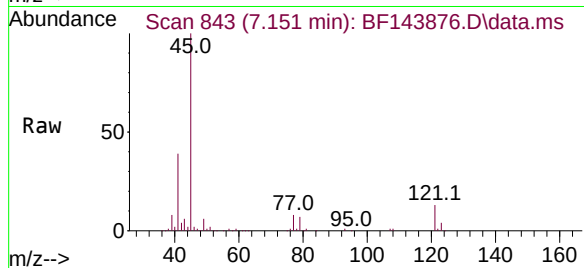
111 40.3 34.6 51.8





#16
2,2'-oxybis(1-chloropropane)
Concen: 5.577 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

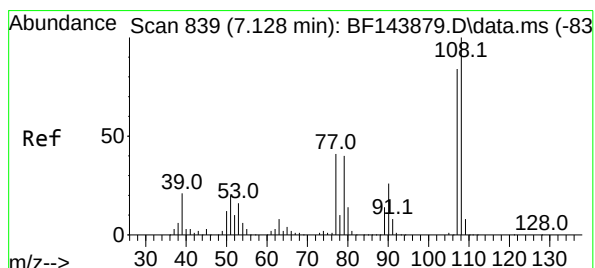
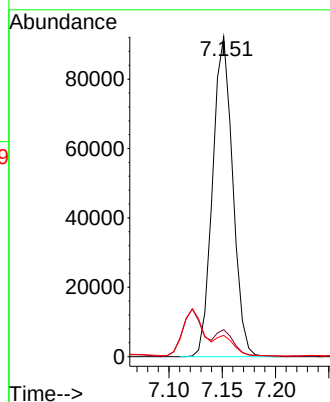
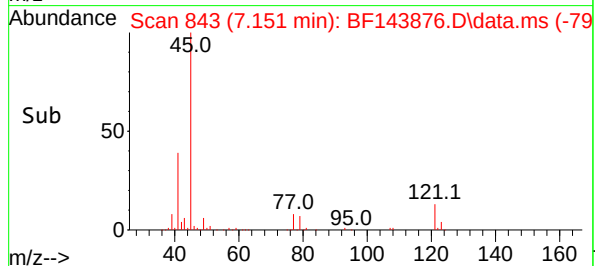
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



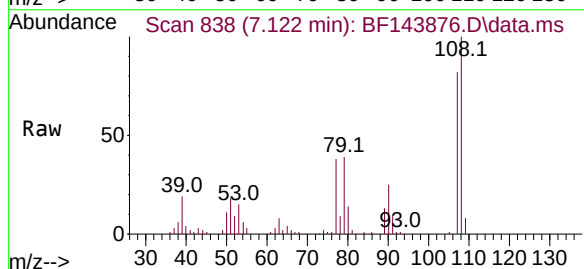
Tgt Ion: 45 Resp: 121082
Ion Ratio Lower Upper
45 100
77 8.4 0.0 29.0
79 6.6 0.0 26.8

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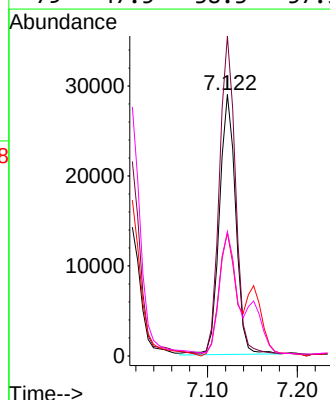
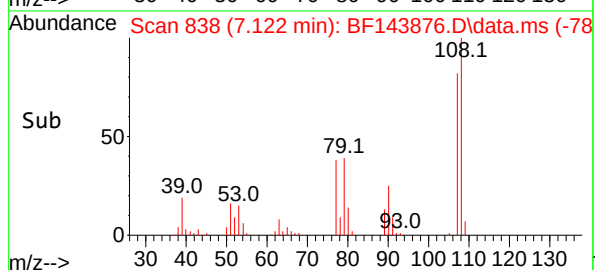
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

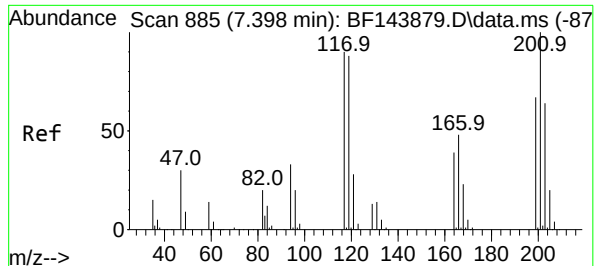


#17
2-Methylphenol
Concen: 5.228 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



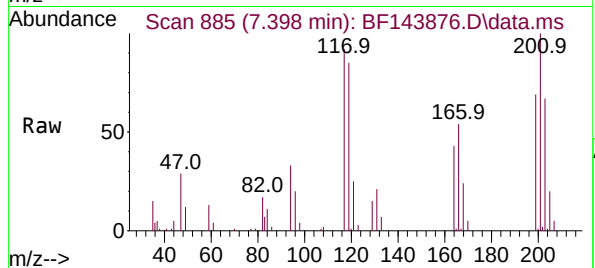
Tgt Ion:107 Resp: 36595
Ion Ratio Lower Upper
107 100
108 122.4 94.7 142.1
77 47.0 38.8 58.2
79 47.5 38.3 57.5





#18
Hexachloroethane
Concen: 5.501 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

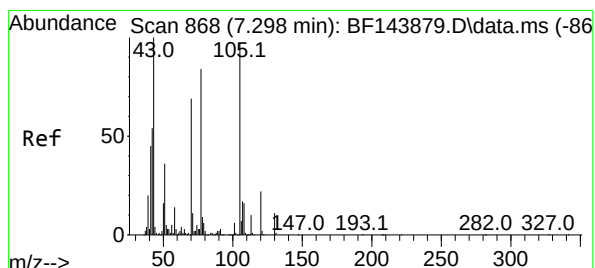
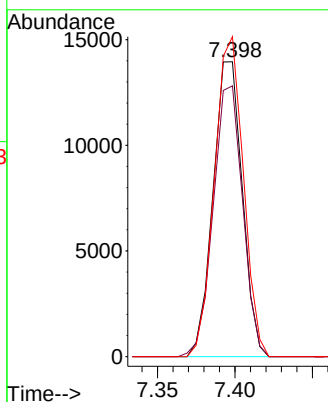
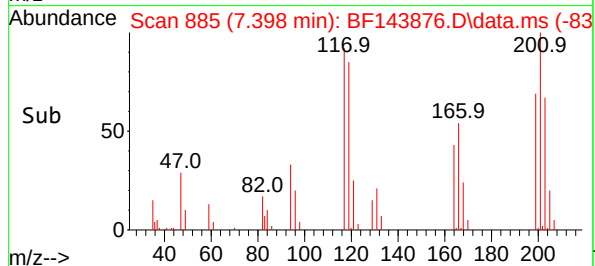
Instrument :
BNA_F
Client Sample Id :
SSTDICC005



Tgt Ion: 117 Resp: 18346
Ion Ratio Lower Upper
117 100
119 91.8 77.8 116.8
201 108.5 88.5 132.7

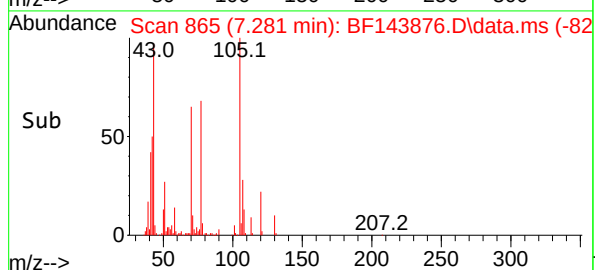
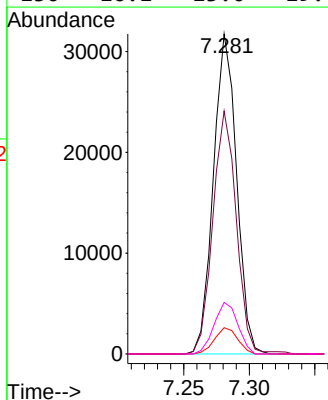
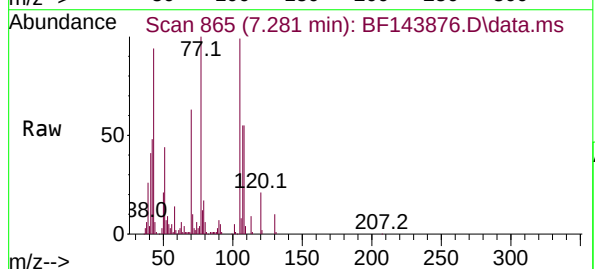
Manual Integrations
APPROVED

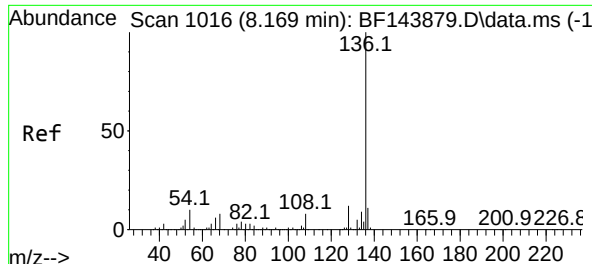
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1016
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

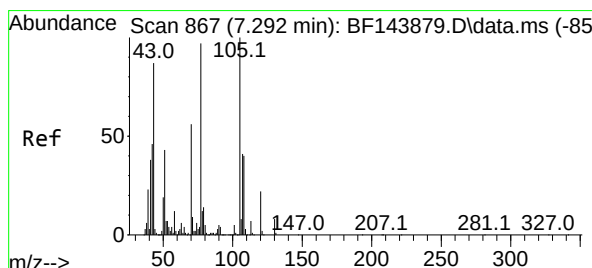
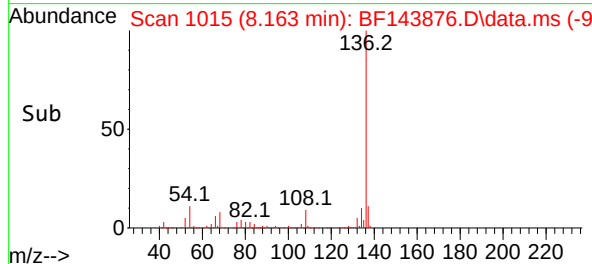
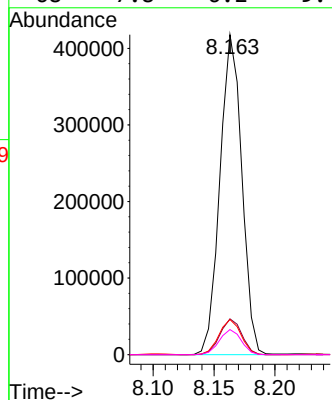
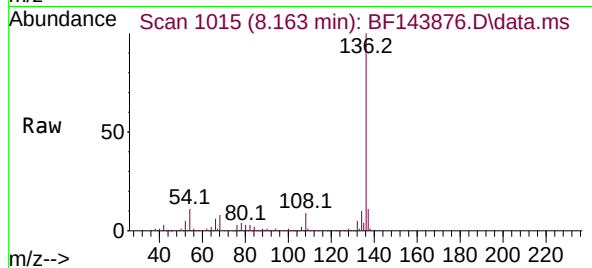
ClientSampleId :

SSTDICC005

Tgt 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

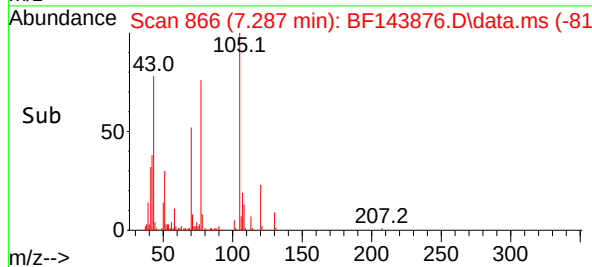
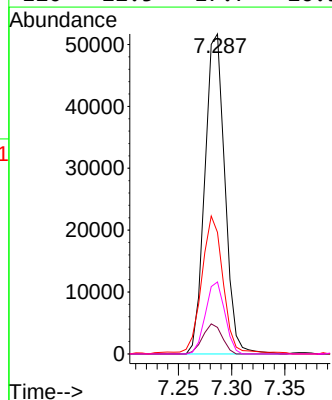
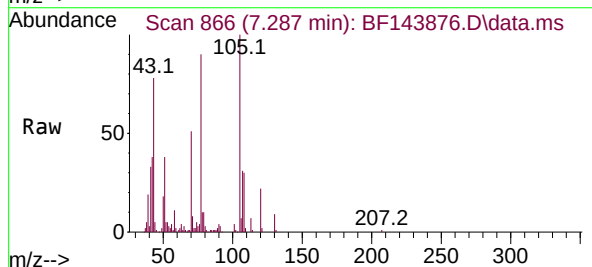
Manual Integrations
APPROVED

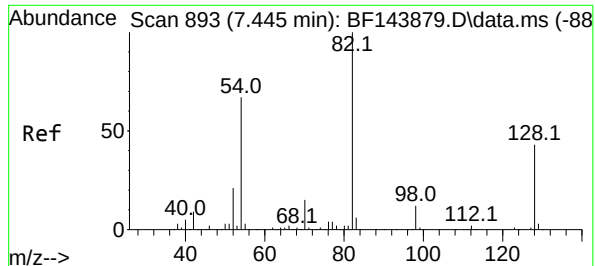
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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	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

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

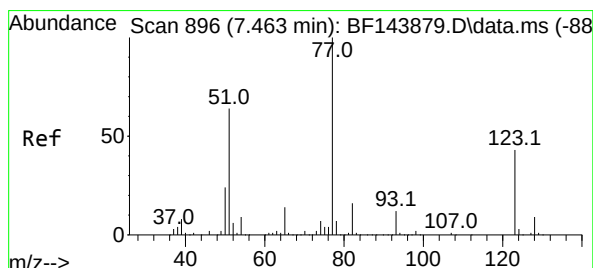
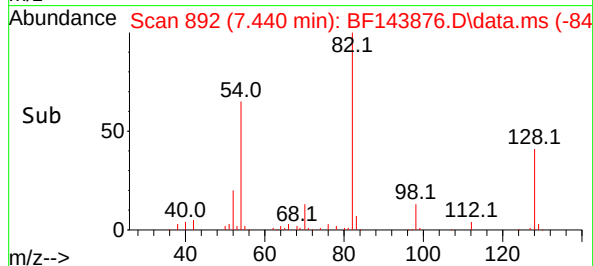
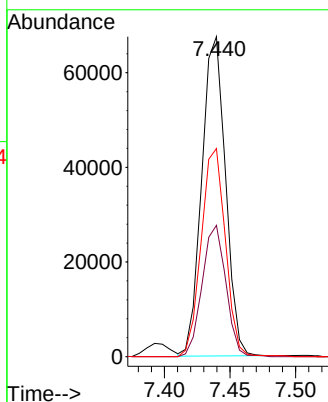
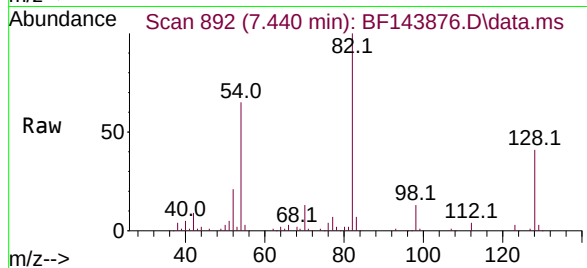
Tgt Ion:	82	Resp:	85080
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.0	51.0
54	65.0	53.2	79.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#24

Nitrobenzene

Concen: 5.054 ng

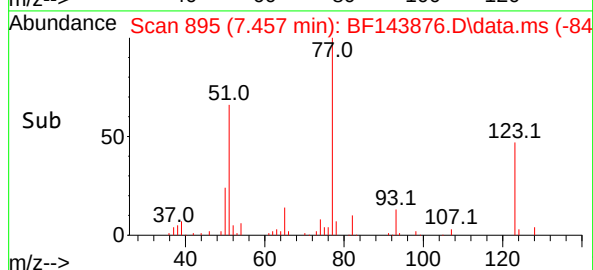
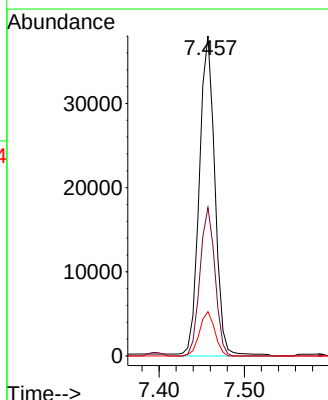
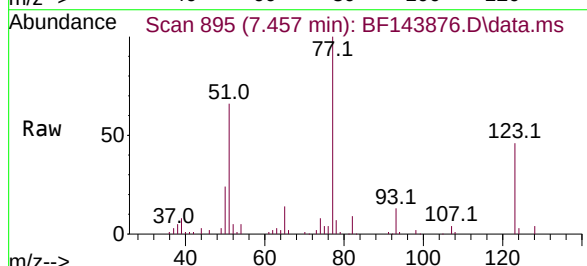
RT: 7.457 min Scan# 895

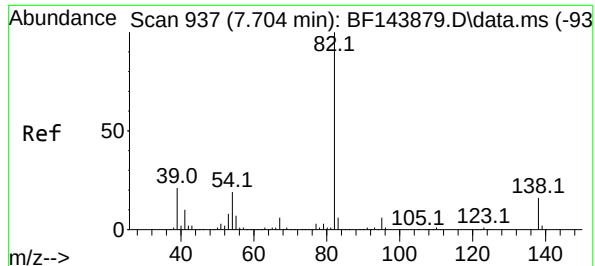
Delta R.T. -0.017 min

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# 937

Delta R.T. -0.029 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

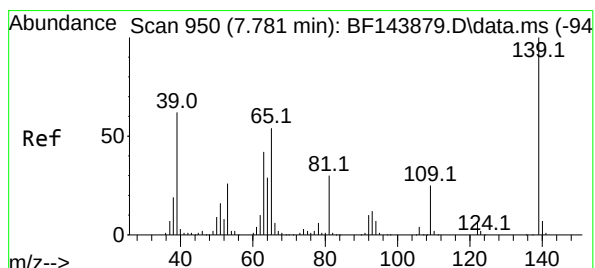
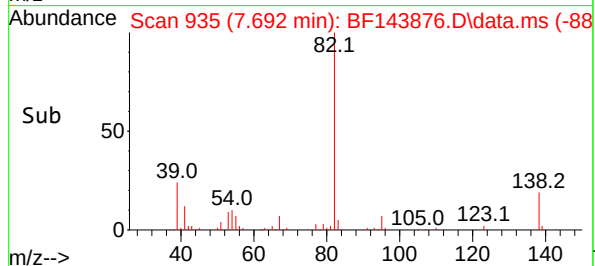
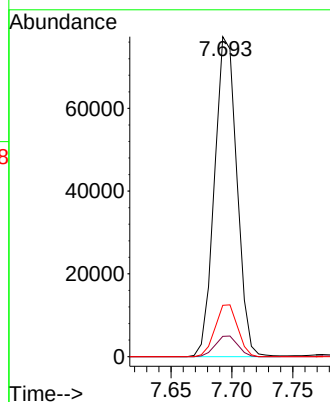
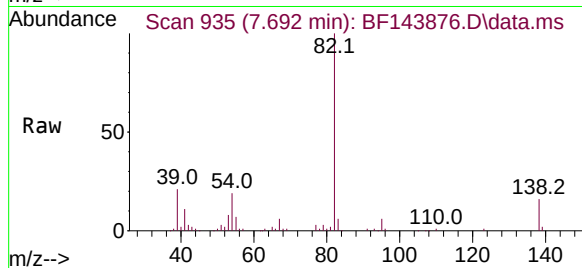
Client SampleId :

SSTDICC005

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

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



#26

2-Nitrophenol

Concen: 3.864 ng

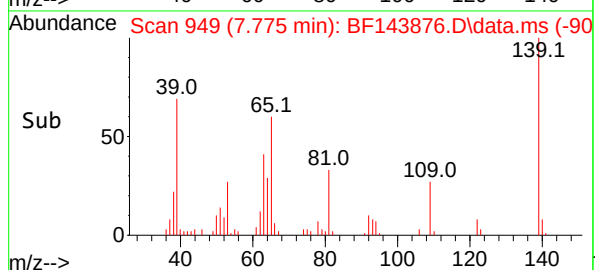
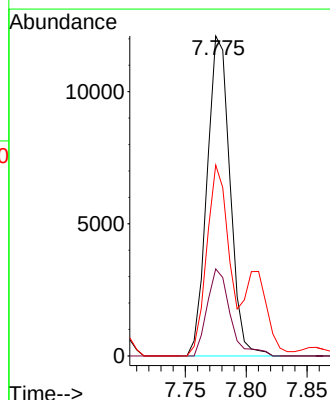
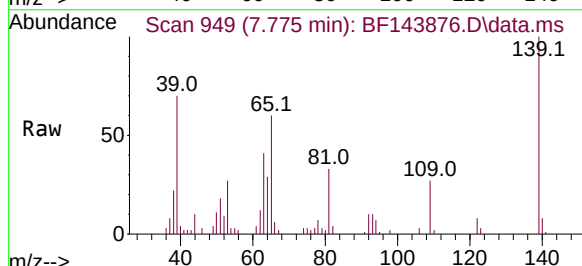
RT: 7.775 min Scan# 949

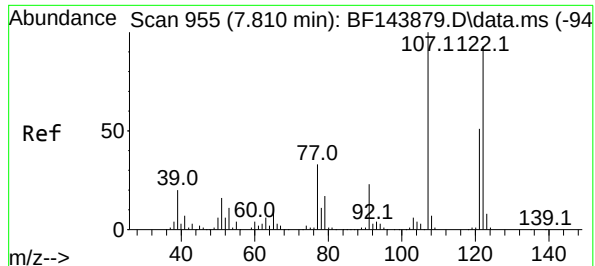
Delta R.T. -0.012 min

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





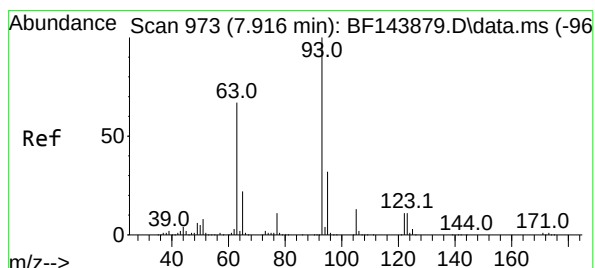
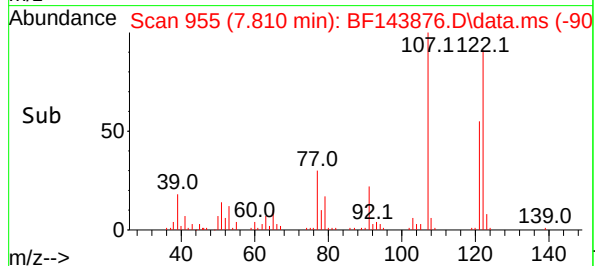
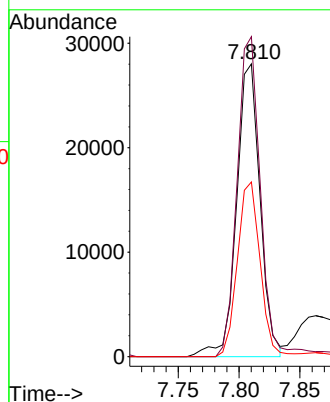
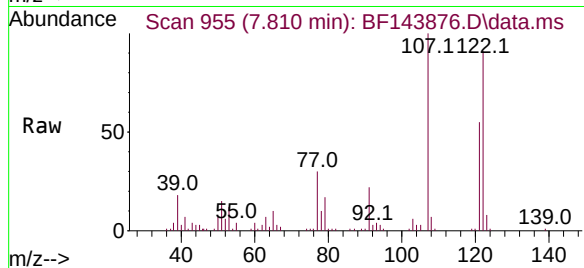
#27
2,4-Dimethylphenol
Concen: 5.095 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 37645
Ion Ratio Lower Upper
122 100
107 109.3 86.1 129.1
121 59.6 43.8 65.6

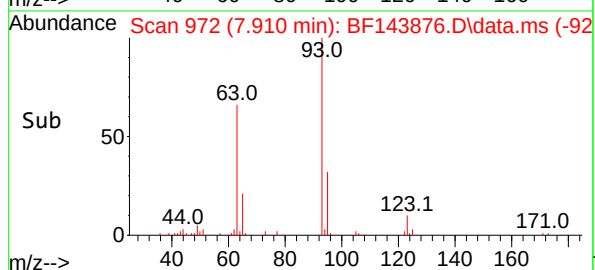
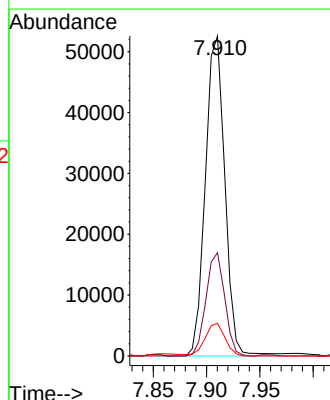
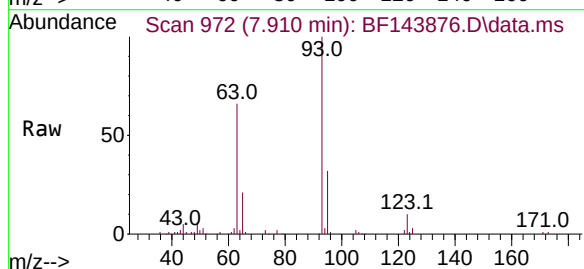
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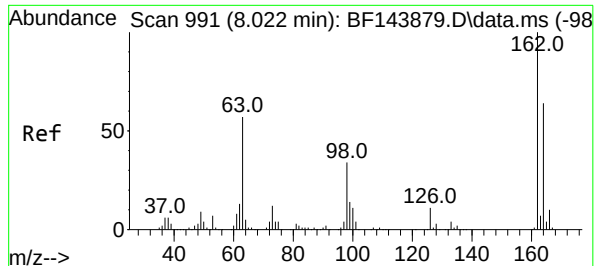
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 991

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

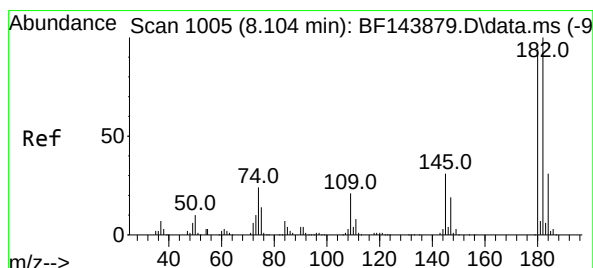
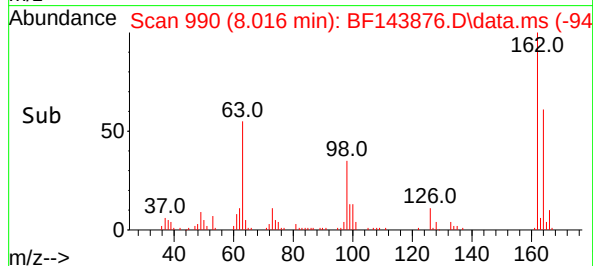
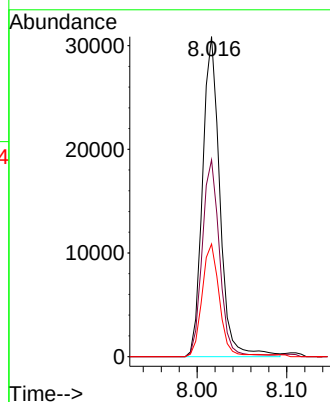
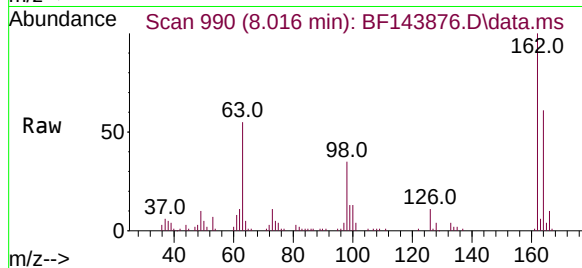
SSTDICC005

Tgt Ion:162	Resp:	41484
Ion Ratio	Lower	Upper
162	100	
164	61.5	43.9 83.9
98	35.2	14.4 54.4

Manual Integrations

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



#30

1,2,4-Trichlorobenzene

Concen: 5.722 ng

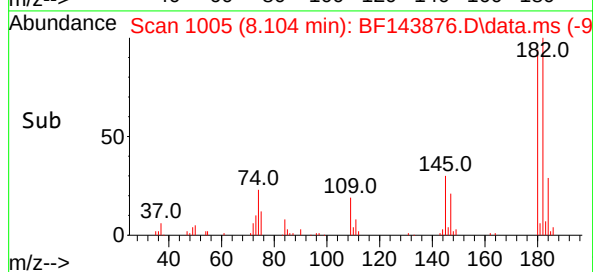
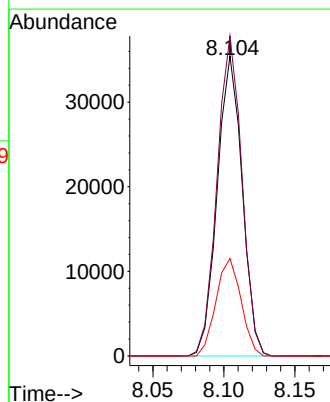
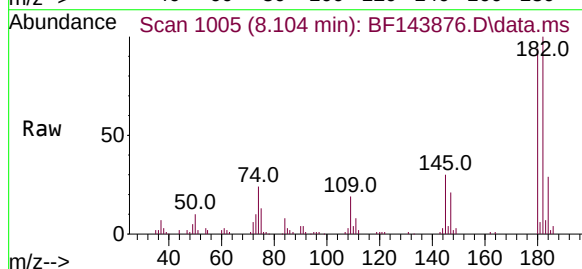
RT: 8.104 min Scan# 1005

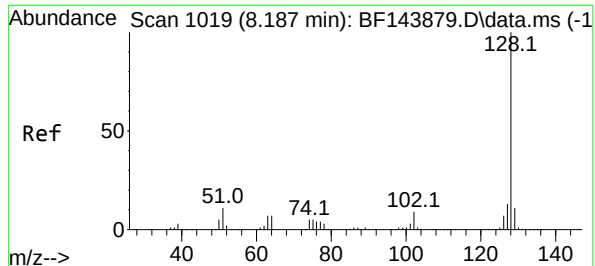
Delta R.T. -0.006 min

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# 1019

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:128 Resp: 144561

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

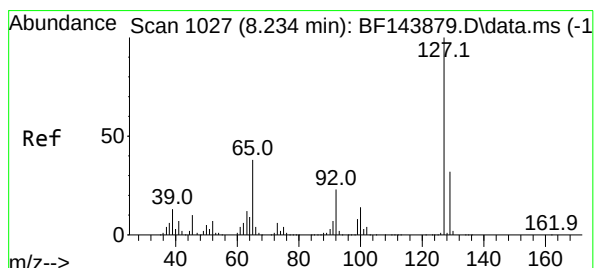
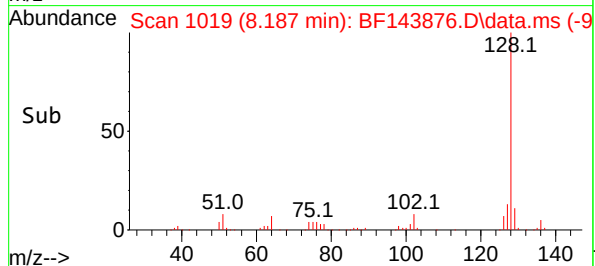
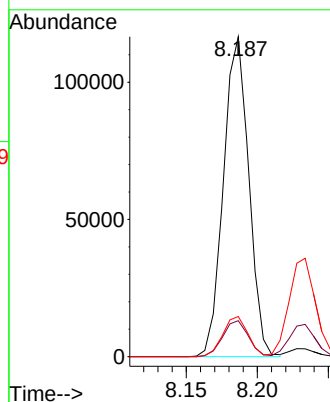
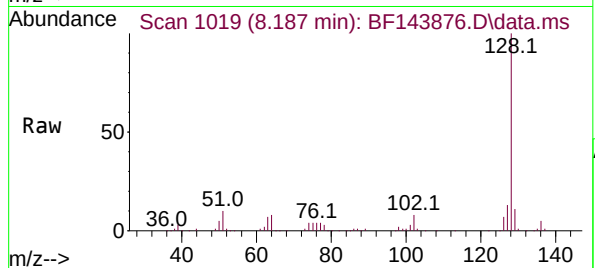
127 12.5 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

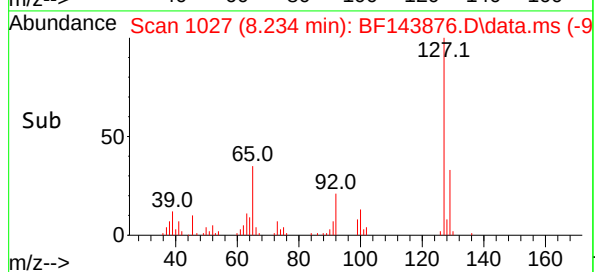
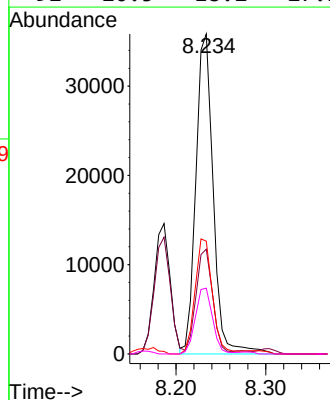
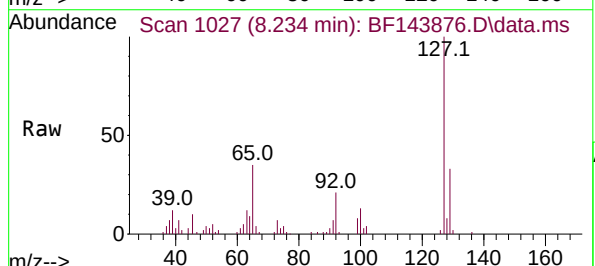
Ion Ratio Lower Upper

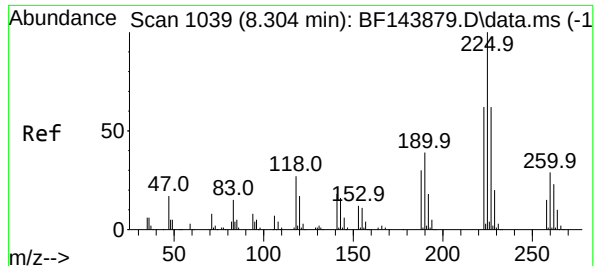
127 100

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# 1039

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:225 Resp: 30240

Ion Ratio Lower Upper

225 100

223 61.0 49.4 74.2

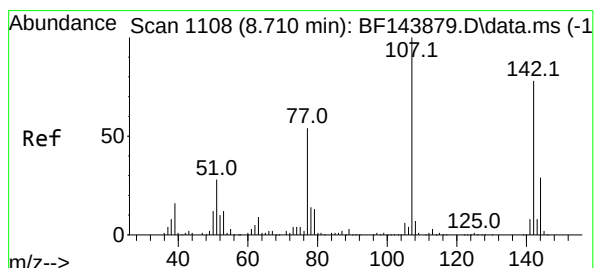
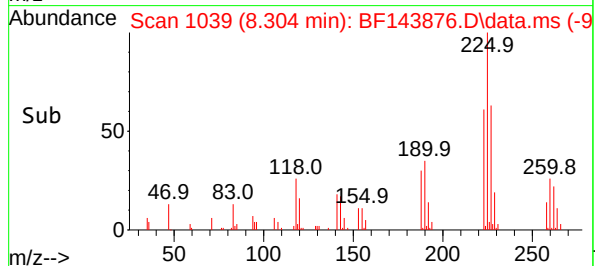
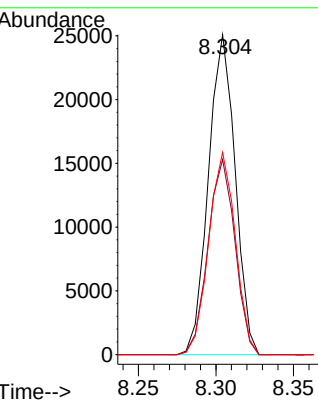
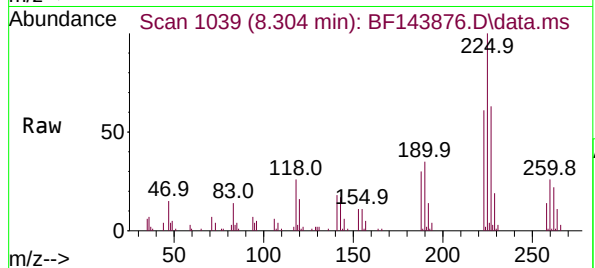
227 63.2 49.7 74.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

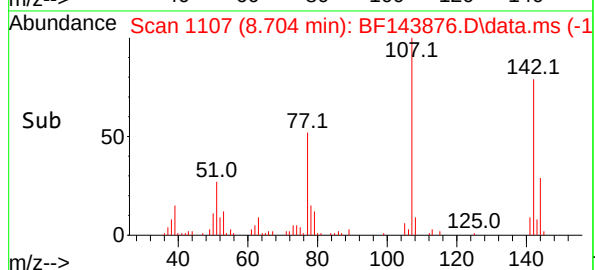
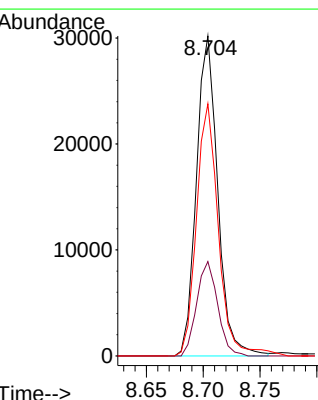
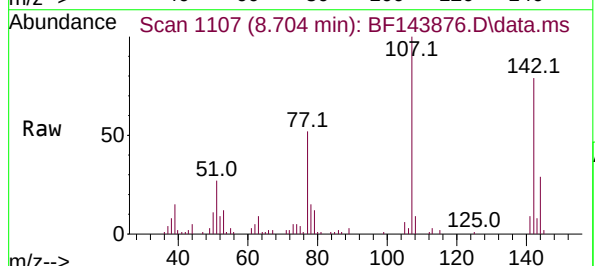
Tgt Ion:107 Resp: 39500

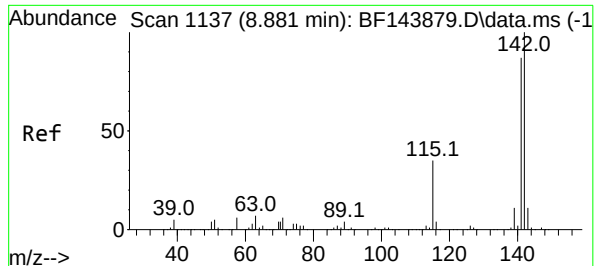
Ion Ratio Lower Upper

107 100

144 29.5 23.1 34.7

142 78.8 62.6 94.0





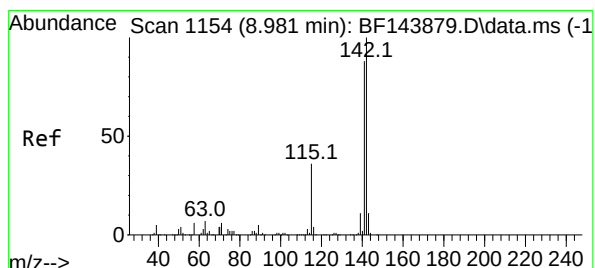
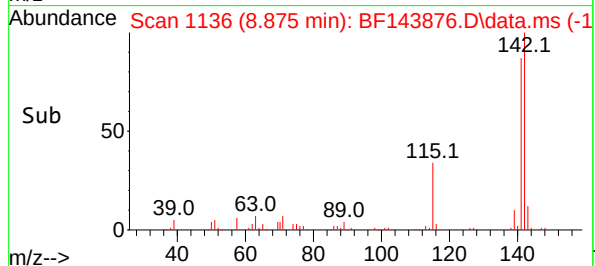
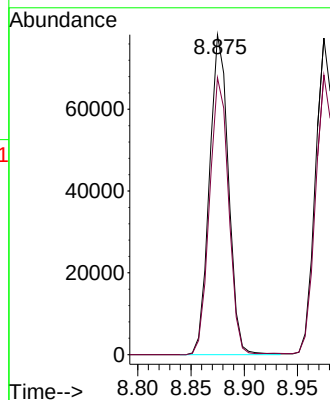
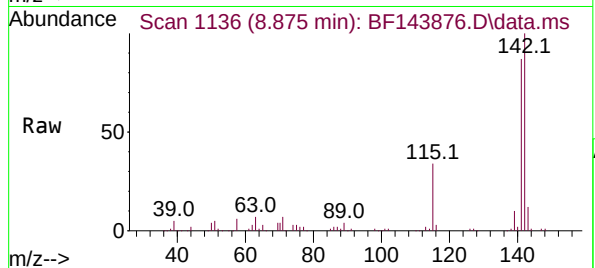
#37
2-Methylnaphthalene
Concen: 6.122 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 9722
Ion Ratio Lower Upper
142 100
141 86.5 69.2 103.8

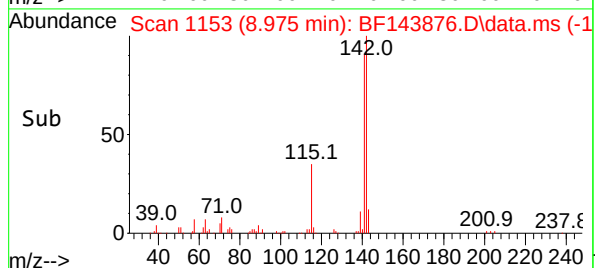
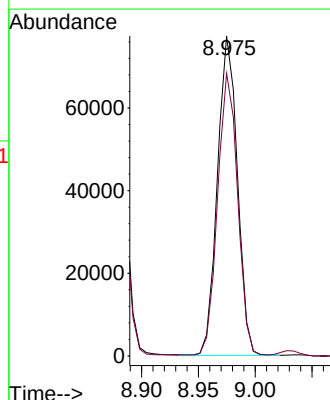
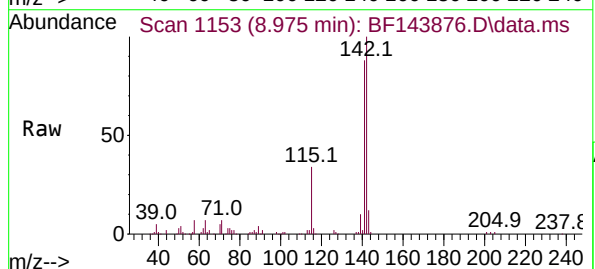
Manual Integrations
APPROVED

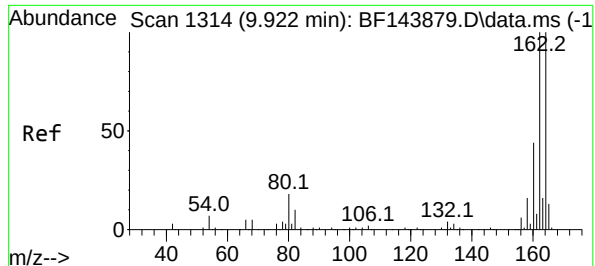
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1314

Delta R.T. -0.005 min

Lab File: BF143876.D

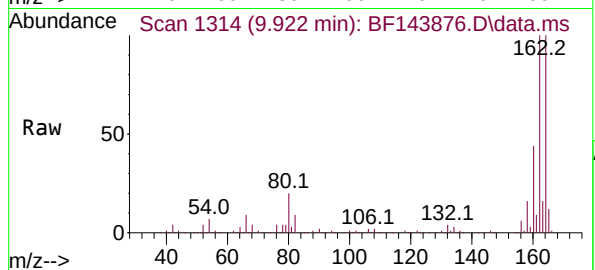
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



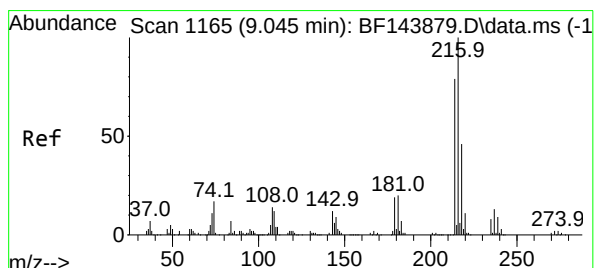
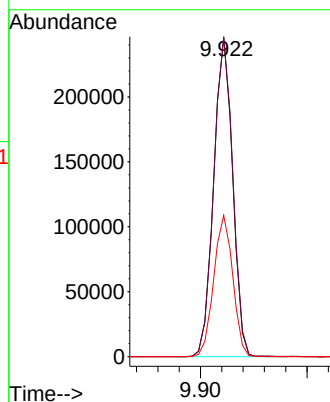
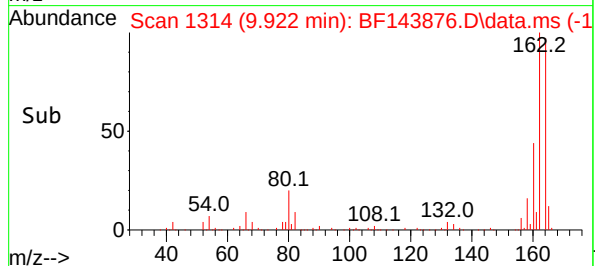
Tgt Ion:164	Resp:	303230
Ion	Ratio	Lower Upper
164	100	
162	100.3	80.2 120.2
160	44.3	35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

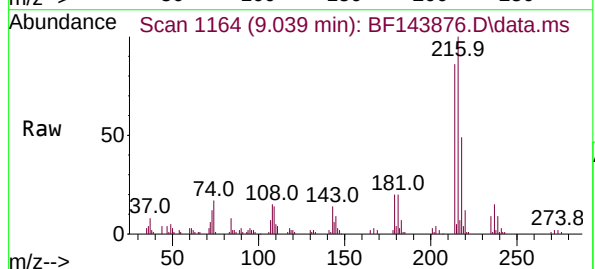
Concen: 5.519 ng

RT: 9.039 min Scan# 1164

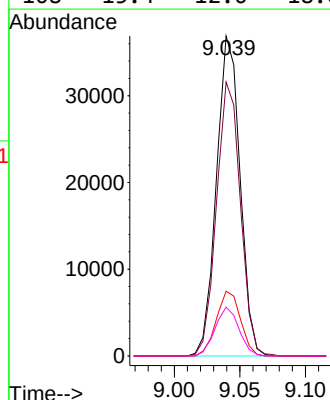
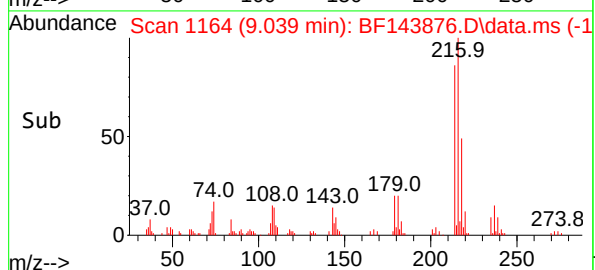
Delta R.T. -0.012 min

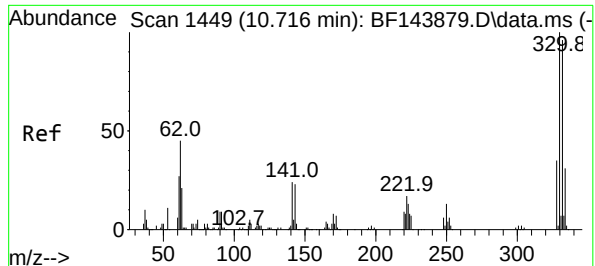
Lab File: BF143876.D

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# 1449
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

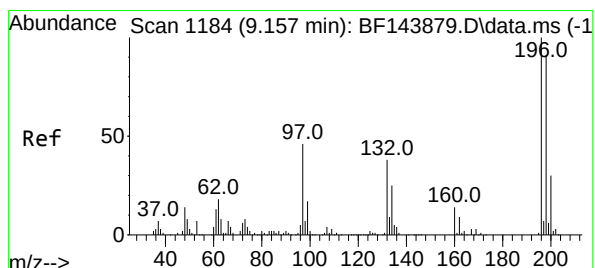
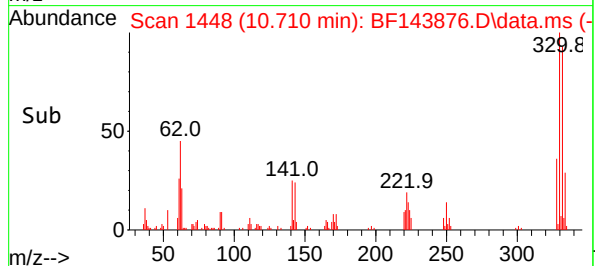
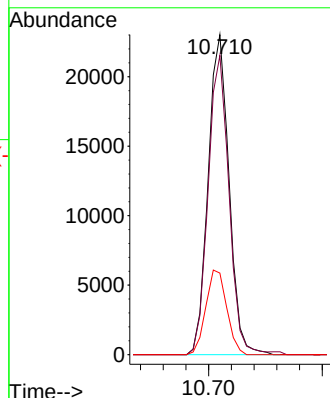
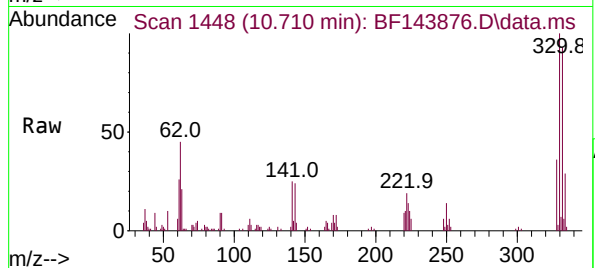
Tgt Ion	330	Resp	29360
Ion Ratio	Lower	Upper	
330	100		
332	93.9	76.9	115.3
141	26.6	20.2	30.4

Manual Integrations

APPROVED

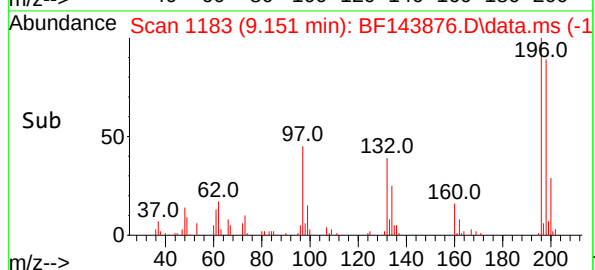
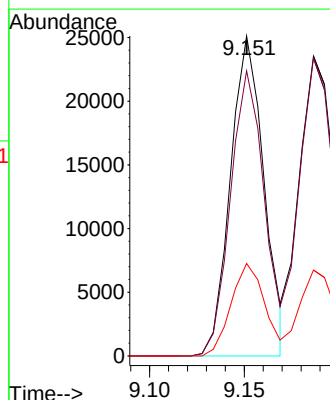
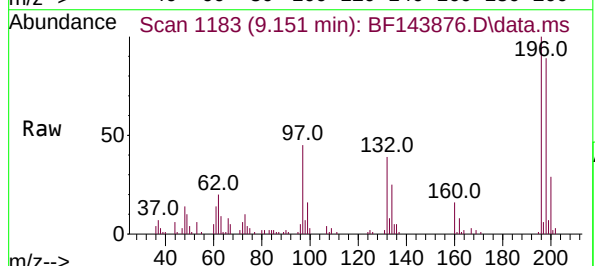
Reviewed By :Rahul Chavli 10/07/2025

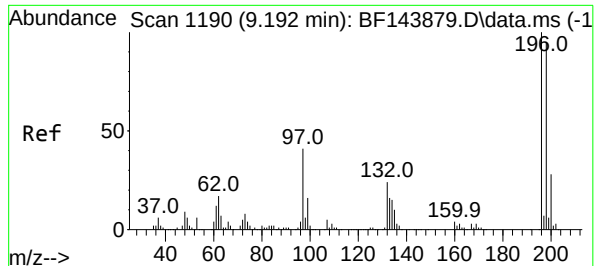
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1189

Delta R.T. -0.017 min

Lab File: BF143876.D

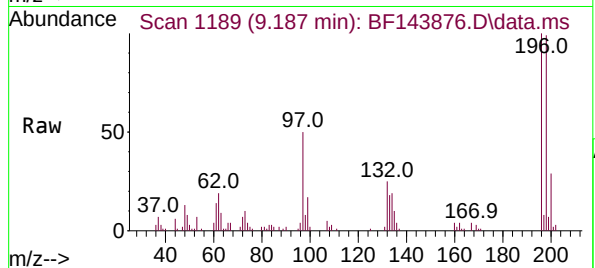
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:196 Resp: 33613

Ion Ratio Lower Upper

196 100

198 99.4 75.5 113.3

97 49.7 33.9 50.9

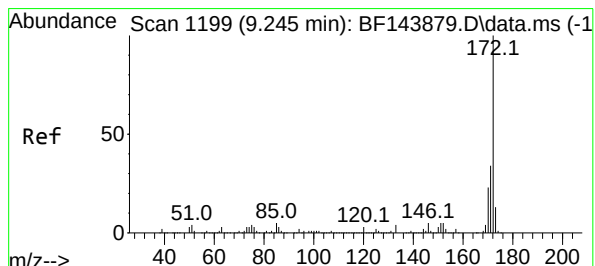
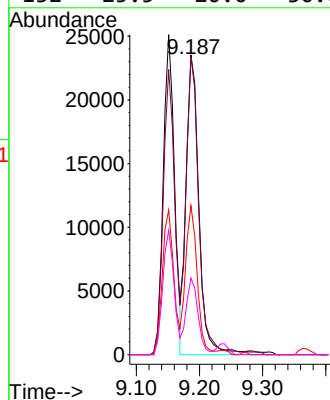
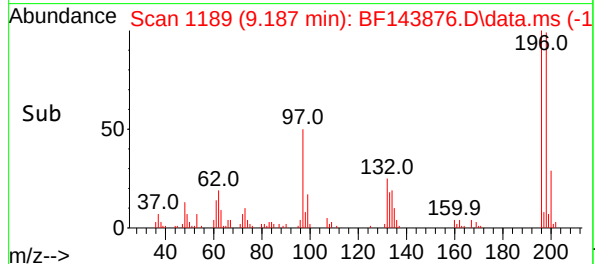
132 25.5 20.0 30.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#45

2-Fluorobiphenyl

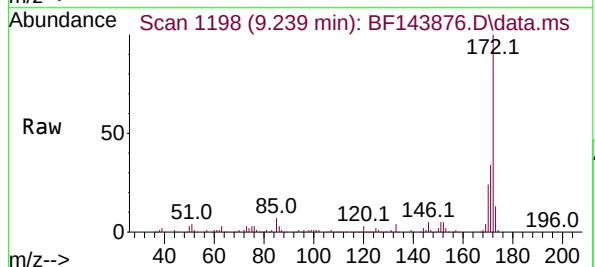
Concen: 12.438 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28



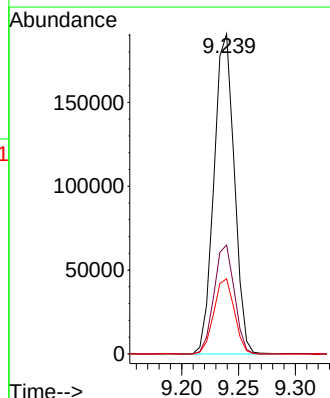
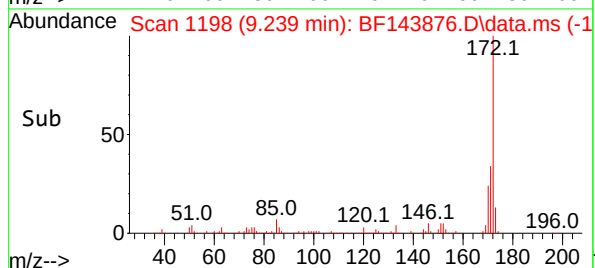
Tgt Ion:172 Resp: 237689

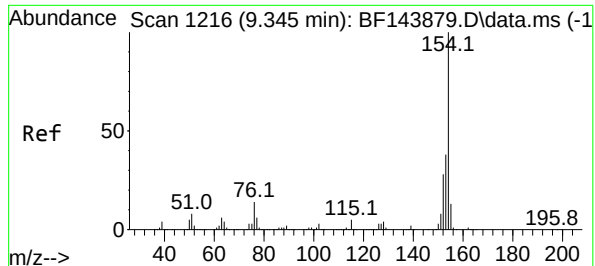
Ion Ratio Lower Upper

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# 1215

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:154 Resp: 122568

Ion Ratio Lower Upper

154 100

153 38.1 18.4 58.4

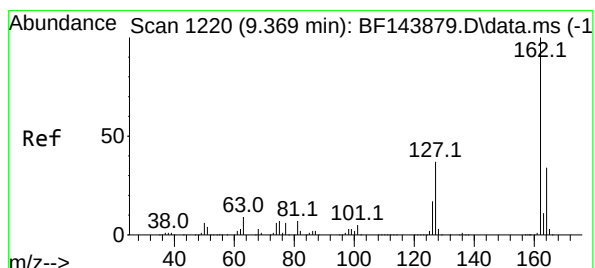
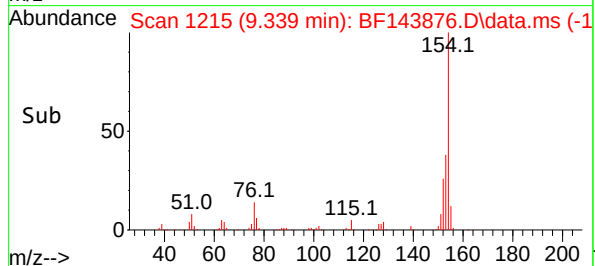
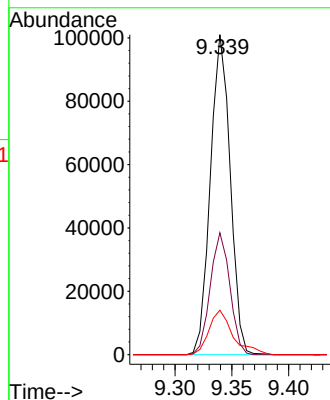
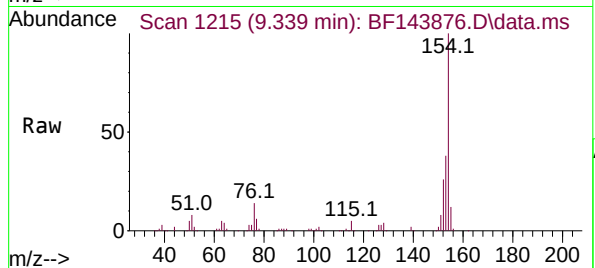
76 13.9 0.0 34.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

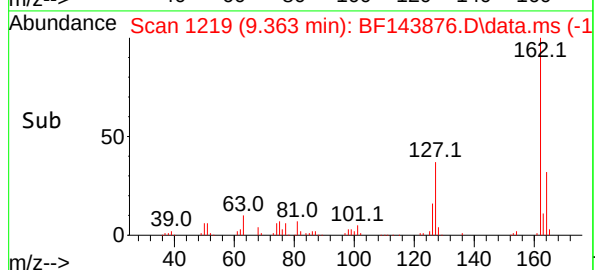
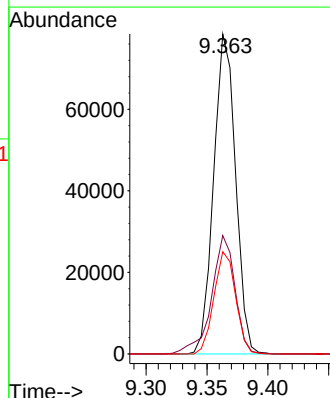
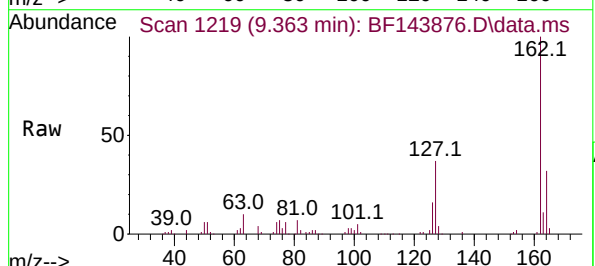
Tgt Ion:162 Resp: 98102

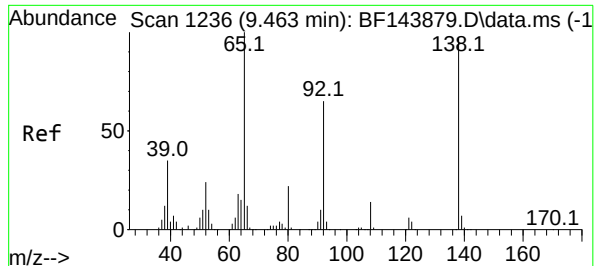
Ion Ratio Lower Upper

162 100

127 37.0 30.2 45.2

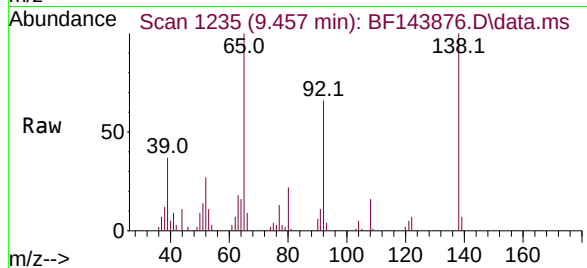
164 32.0 26.9 40.3





#48
2-Nitroaniline
Concen: 4.193 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

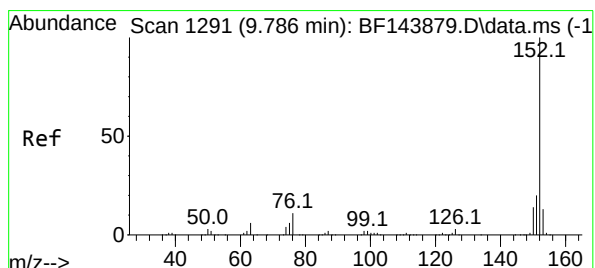
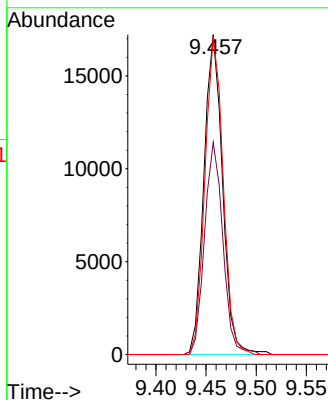
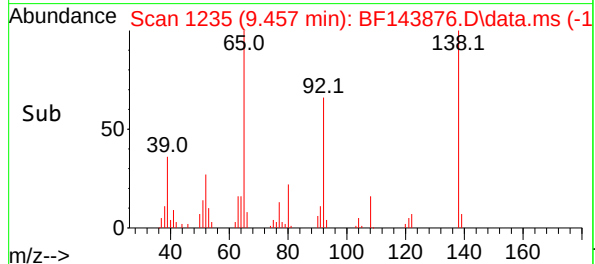
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



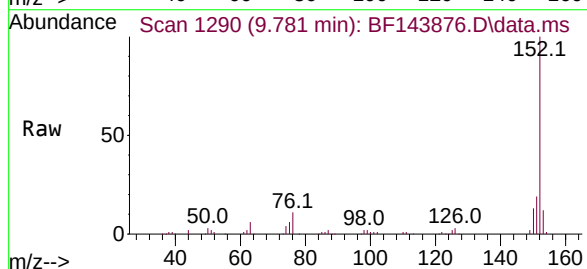
Tgt Ion: 65 Resp: 22188
Ion Ratio Lower Upper
65 100
92 66.3 52.1 78.1
138 99.6 77.4 116.2

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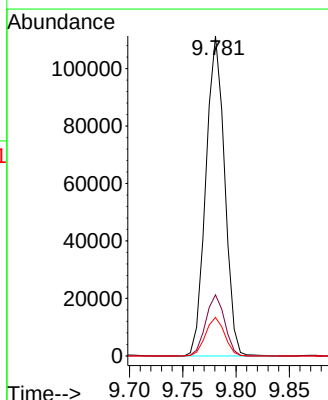
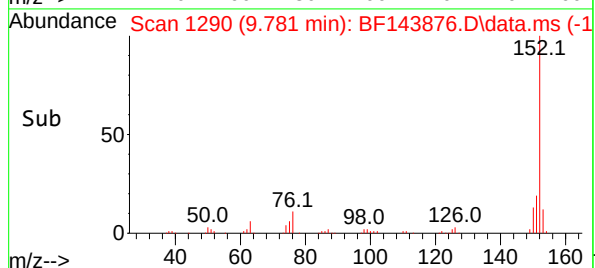
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

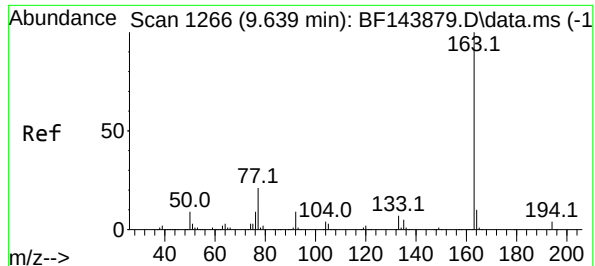


#49
Acenaphthylene
Concen: 5.788 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



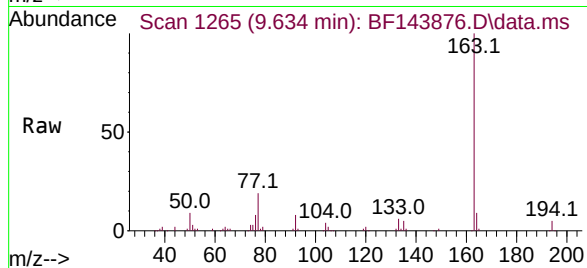
Tgt Ion:152 Resp: 136204
Ion Ratio Lower Upper
152 100
151 19.1 15.8 23.6
153 12.0 10.5 15.7





#50
Dimethylphthalate
Concen: 5.677 ng
RT: 9.634 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

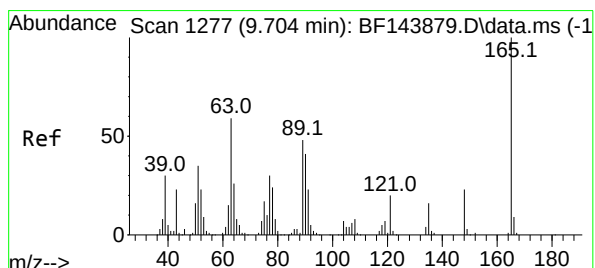
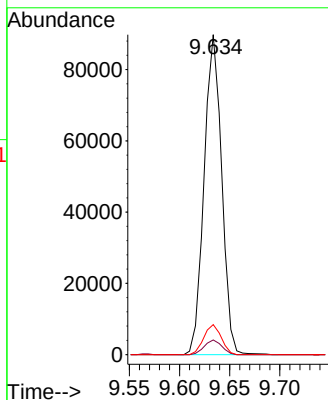
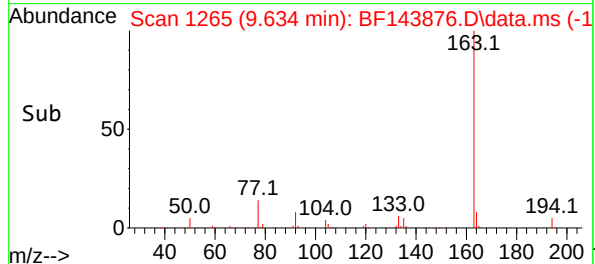
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



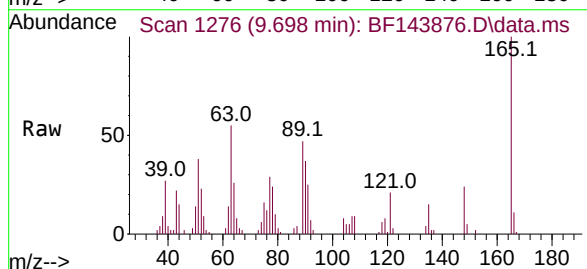
Tgt Ion:163 Resp: 109323
Ion Ratio Lower Upper
163 100
194 4.6 3.3 4.9
164 9.4 8.1 12.1

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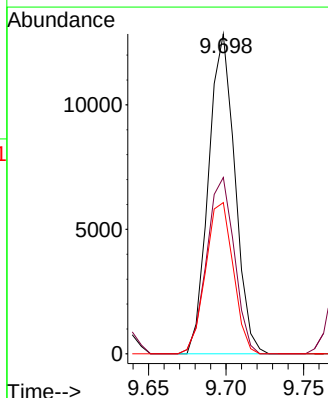
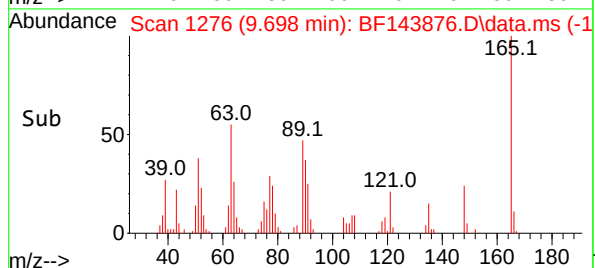
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

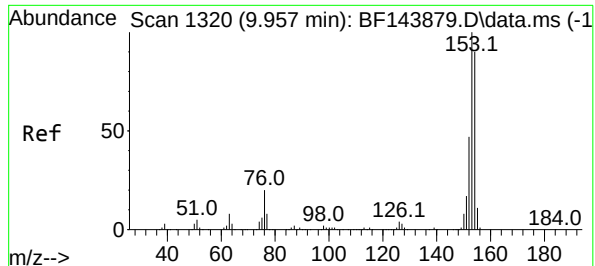


#51
2,6-Dinitrotoluene
Concen: 4.265 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



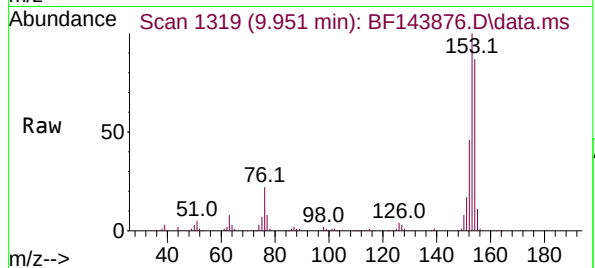
Tgt Ion:165 Resp: 15228
Ion Ratio Lower Upper
165 100
63 55.1 47.3 70.9
89 47.3 38.2 57.4





#52
Acenaphthene
Concen: 5.787 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

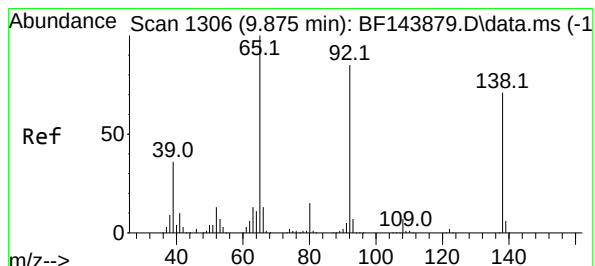
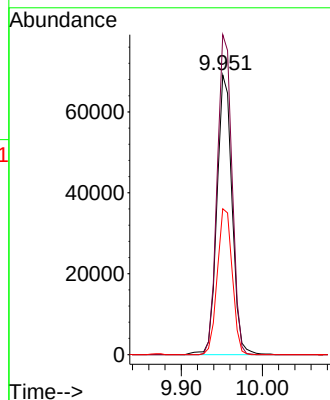
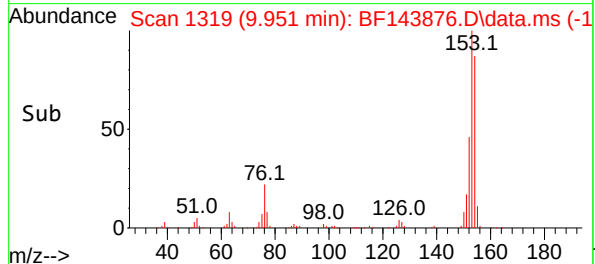
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



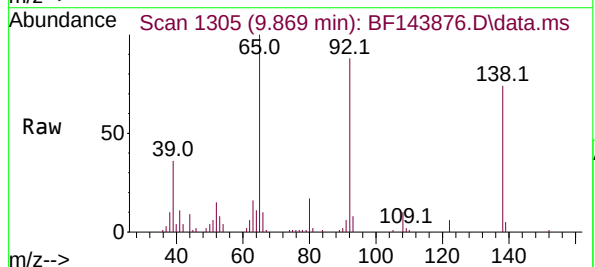
Tgt Ion:154 Resp: 89242
Ion Ratio Lower Upper
154 100
153 114.5 89.3 133.9
152 52.2 42.2 63.2

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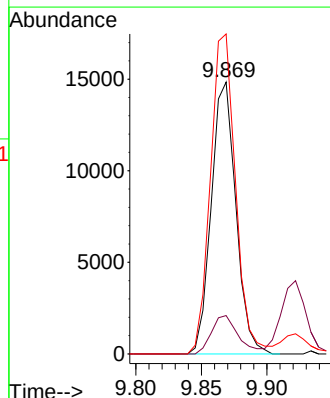
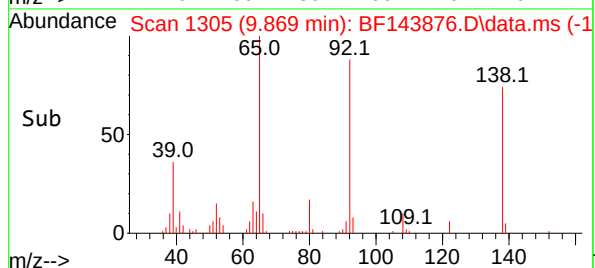
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

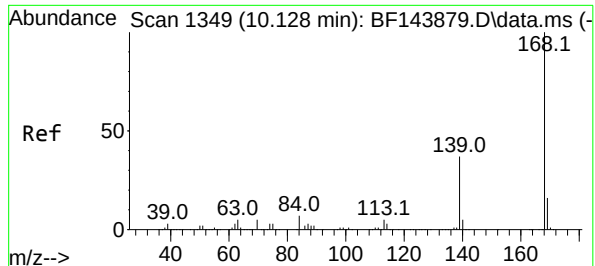


#53
3-Nitroaniline
Concen: 4.437 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



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

Dibenzenofuran

Concen: 5.852 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:168 Resp: 127374

Ion Ratio Lower Upper

168 100

139 37.3 29.8 44.8

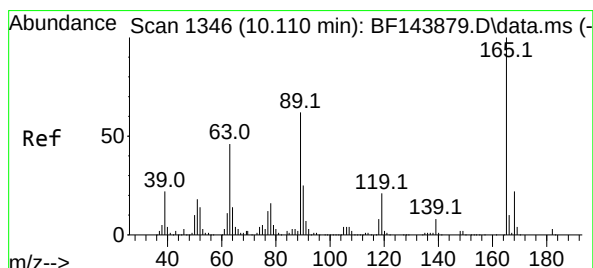
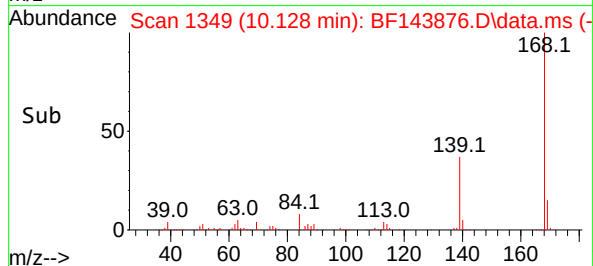
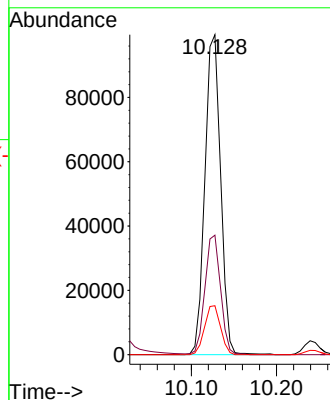
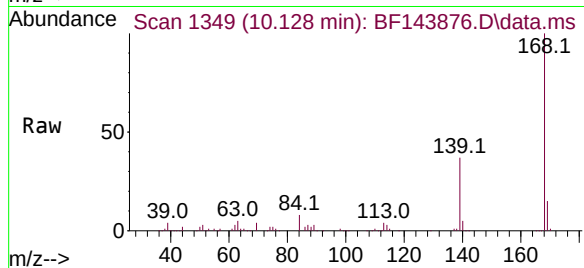
169 15.3 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

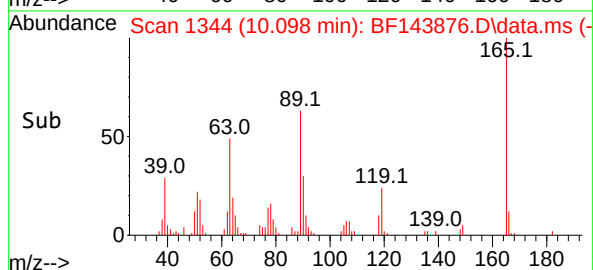
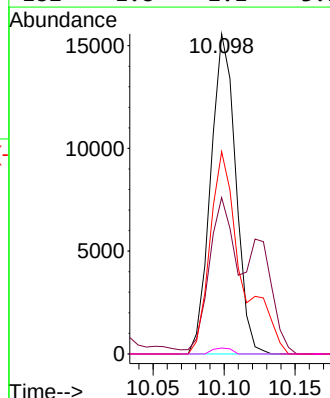
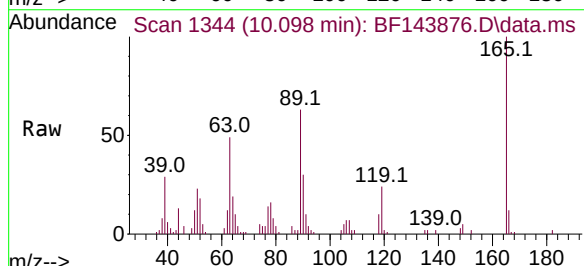
Ion Ratio Lower Upper

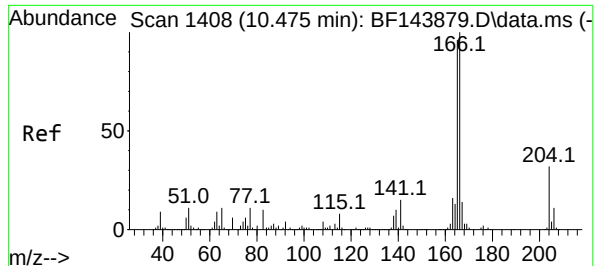
165 100

63 48.8 37.2 55.8

89 63.2 49.4 74.2

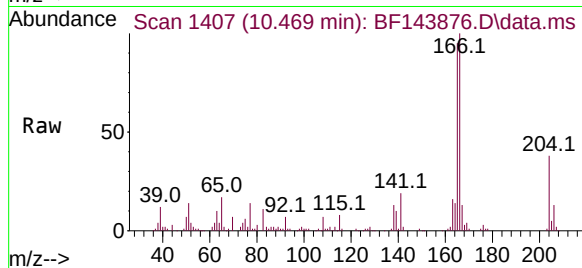
182 1.8 2.1 3.1#





#58
Fluorene
Concen: 6.430 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

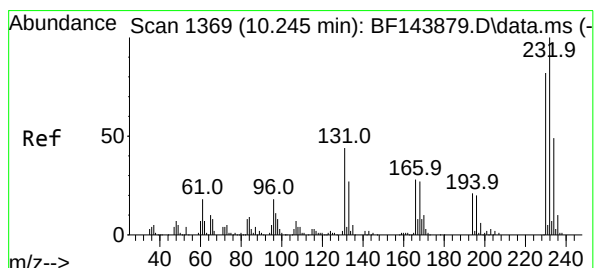
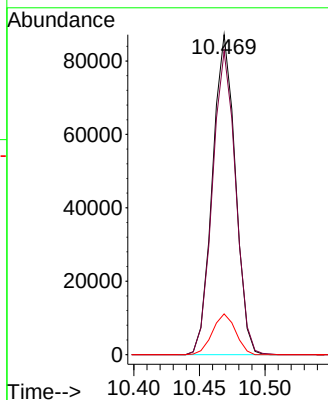
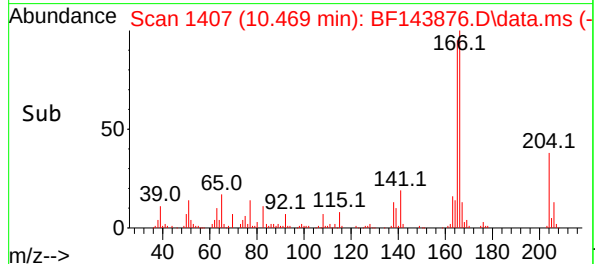
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



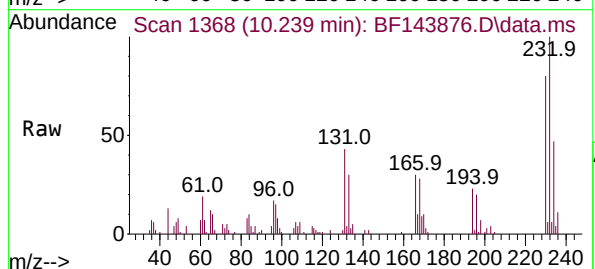
Tgt Ion:166 Resp: 10560
Ion Ratio Lower Upper
166 100
165 94.8 77.0 115.6
167 12.7 11.1 16.7

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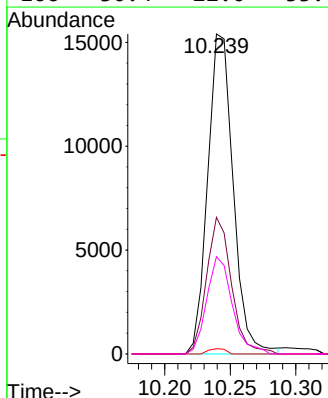
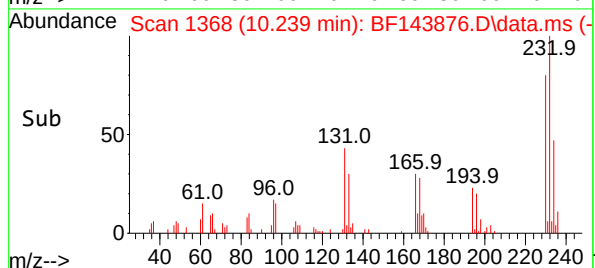
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

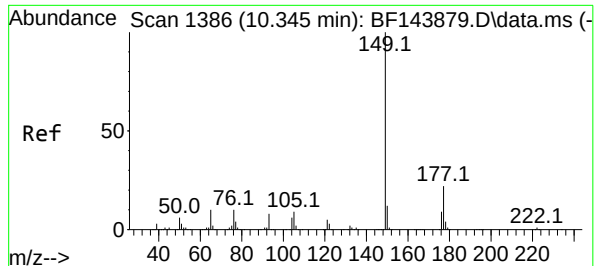


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.560 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



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# 1385

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:149 Resp: 100010

Ion Ratio Lower Upper

149 100

177 22.2 17.9 26.9

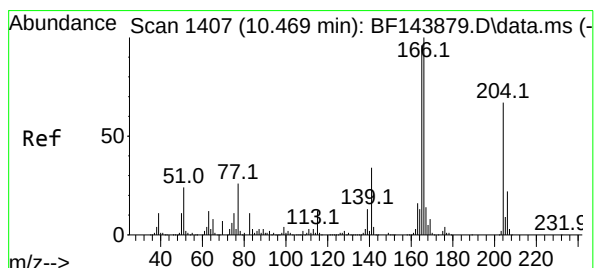
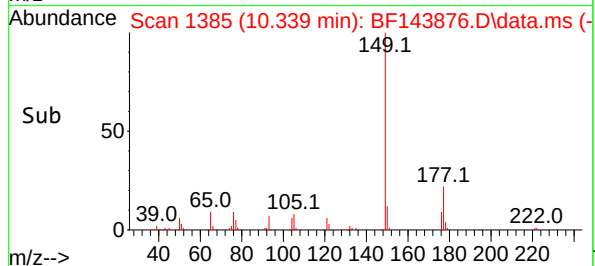
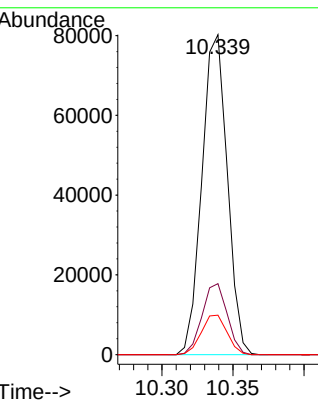
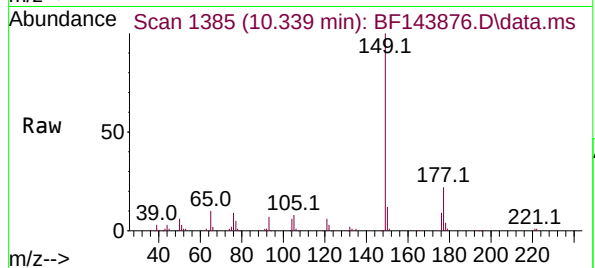
150 12.3 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

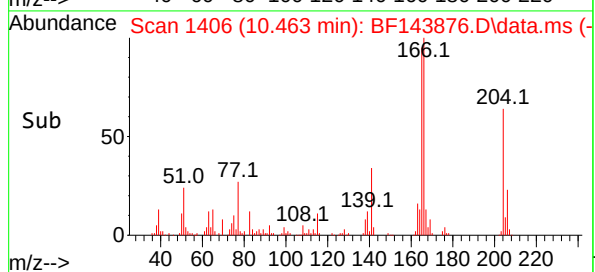
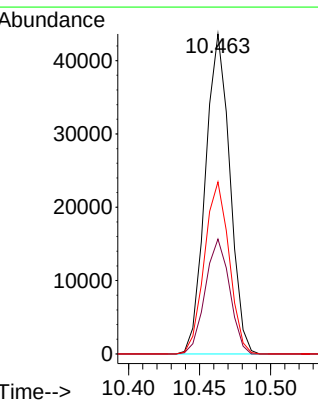
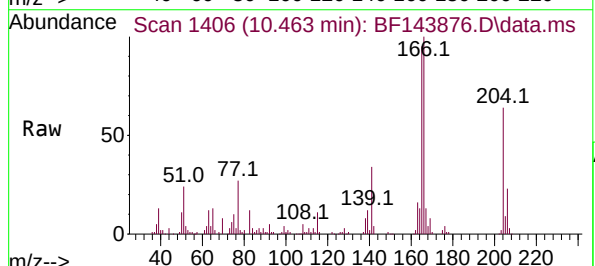
Tgt Ion:204 Resp: 52199

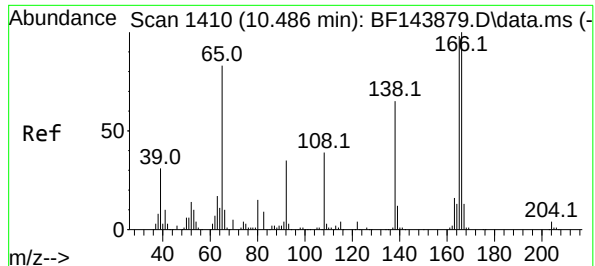
Ion Ratio Lower Upper

204 100

206 35.9 26.6 40.0

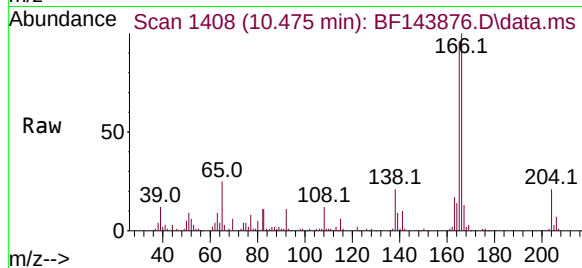
141 53.7 40.4 60.6





#62
4-Nitroaniline
Concen: 4.625 ng
RT: 10.475 min Scan# 1410
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

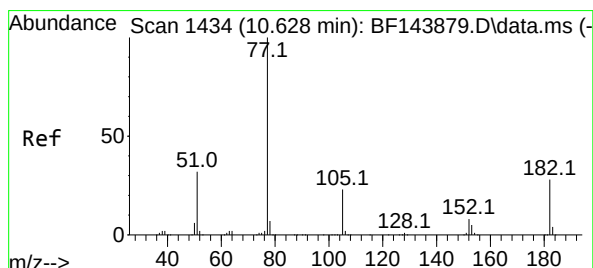
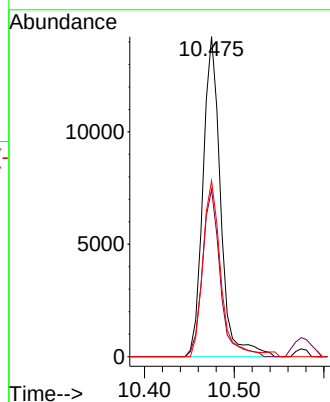
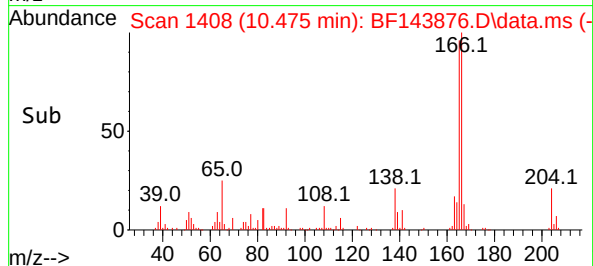
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

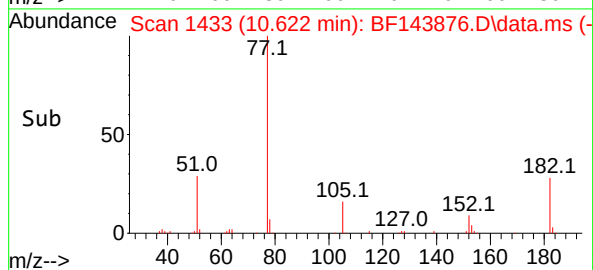
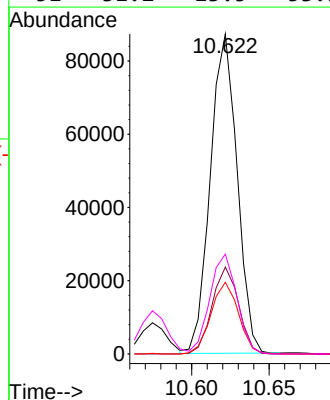
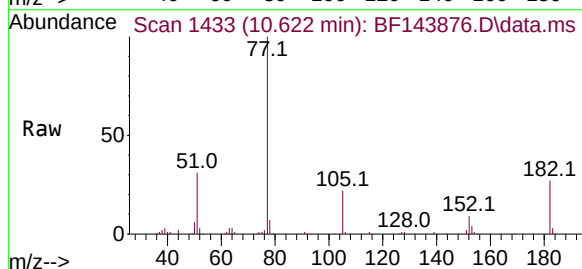
Manual Integrations
APPROVED

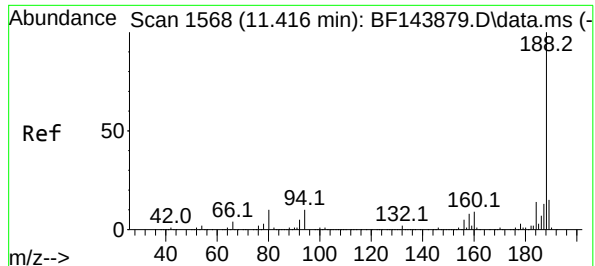
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

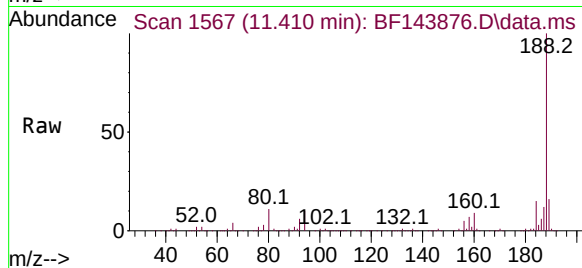
Tgt Ion: 77 Resp: 105174
Ion Ratio Lower Upper
77 100
182 27.1 7.3 47.3
105 22.4 3.0 43.0
51 31.2 13.5 53.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

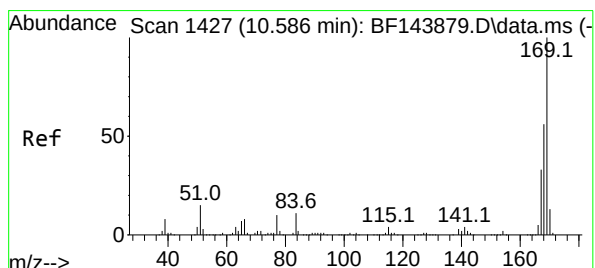
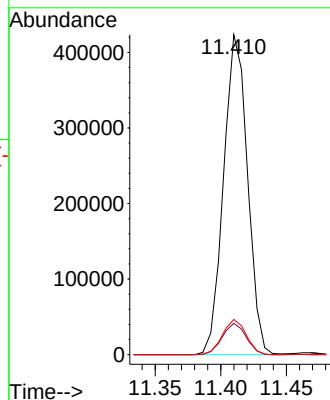
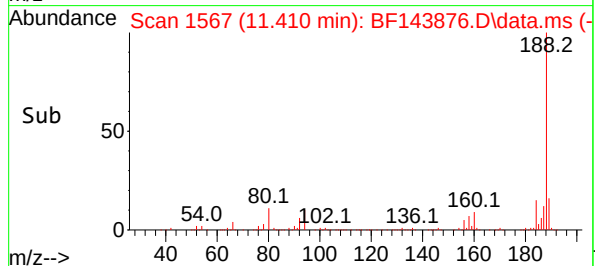
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



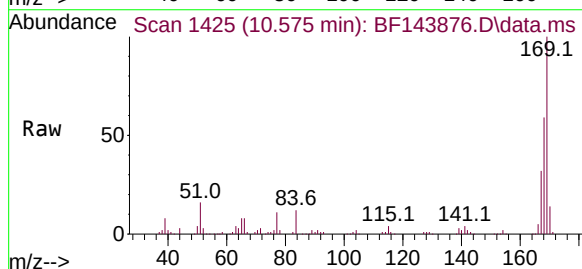
Tgt Ion:188 Resp: 538298
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 11.0 7.9 11.9

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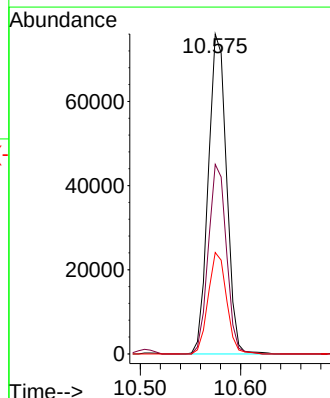
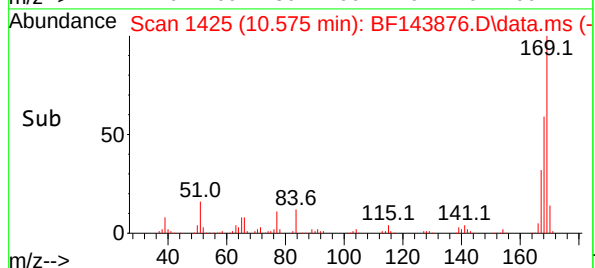
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

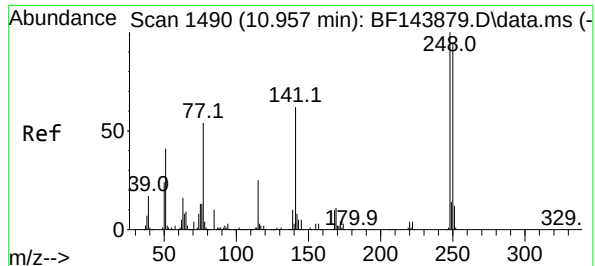


#66
n-Nitrosodiphenylamine
Concen: 5.671 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



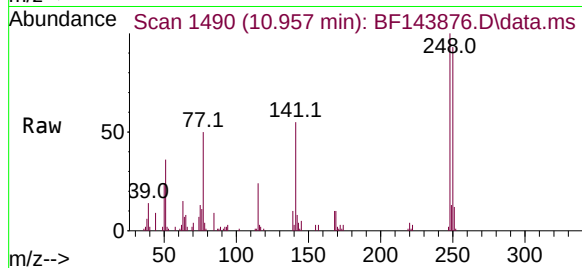
Tgt Ion:169 Resp: 95847
Ion Ratio Lower Upper
169 100
168 59.2 44.9 67.3
167 31.7 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 5.587 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

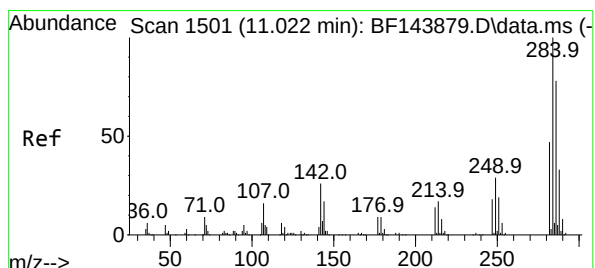
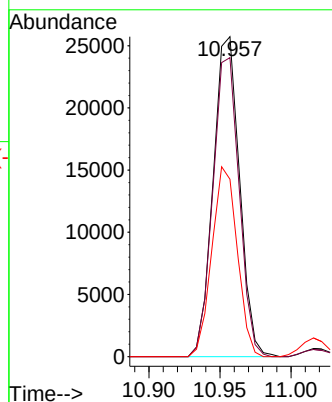
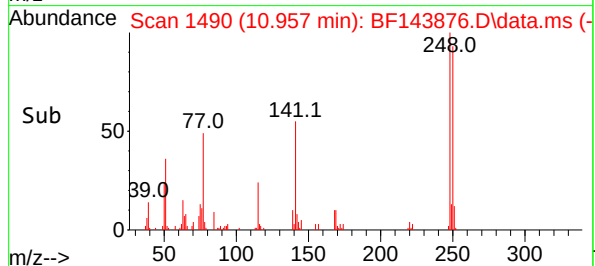
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



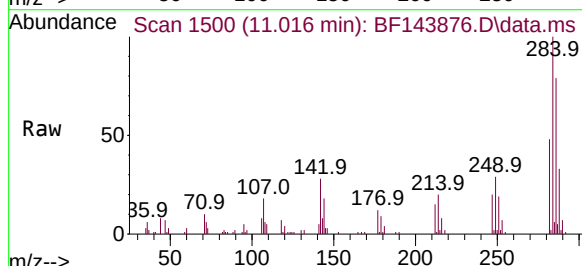
Tgt Ion:248 Resp: 33236
Ion Ratio Lower Upper
248 100
250 93.4 76.3 114.5
141 55.4 49.7 74.5

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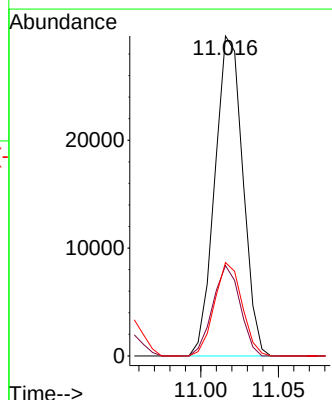
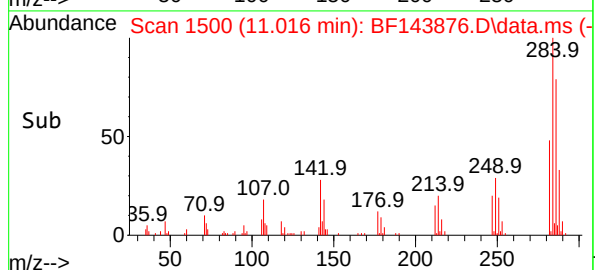
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

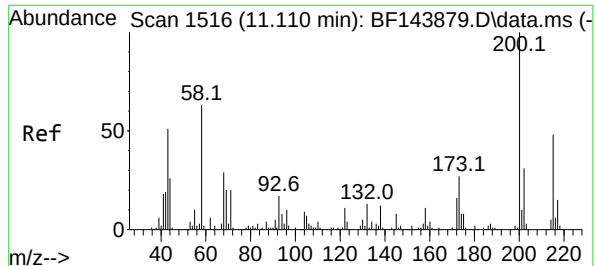


#68
Hexachlorobenzene
Concen: 5.406 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



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# 11

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:200 Resp: 2650

Ion Ratio Lower Upper

200 100

173 30.3 7.0 47.0

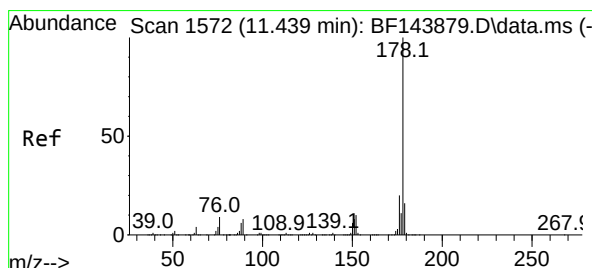
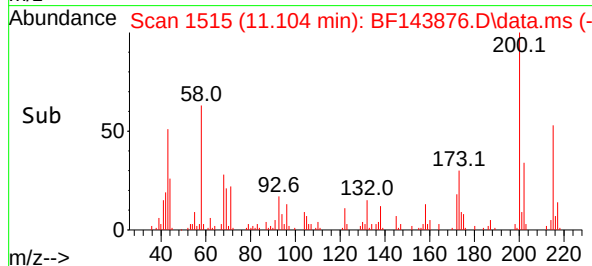
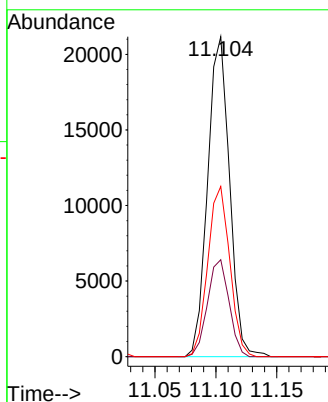
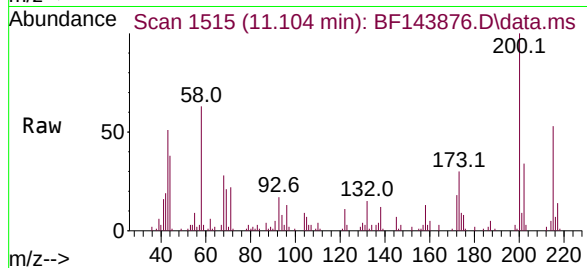
215 53.2 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

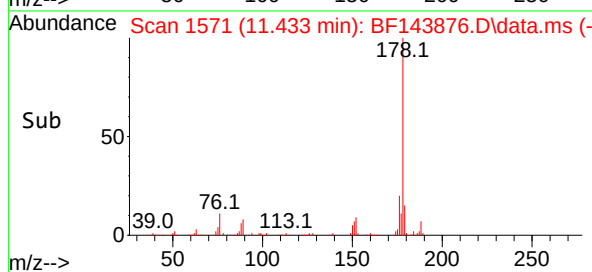
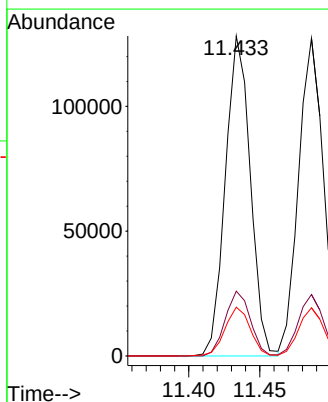
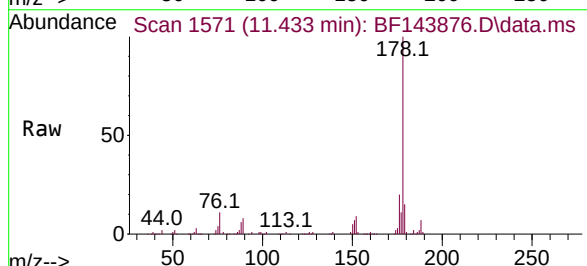
Tgt Ion:178 Resp: 156676

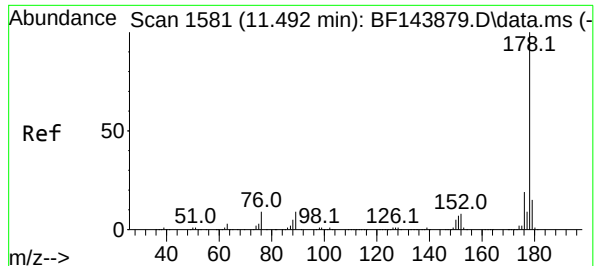
Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

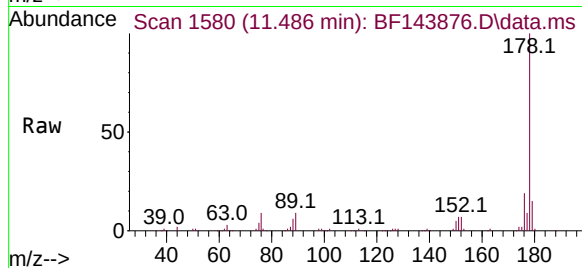
179 15.2 12.4 18.6





#72
Anthracene
Concen: 5.928 ng
RT: 11.486 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

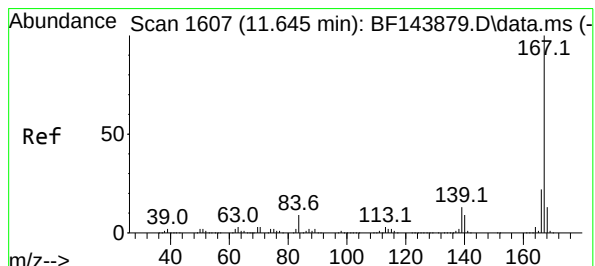
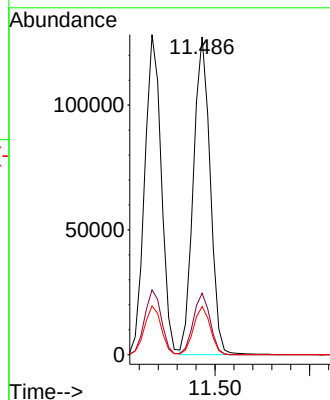
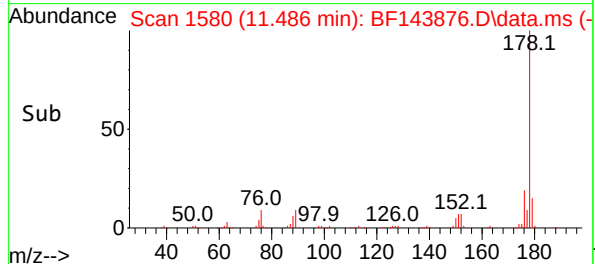
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



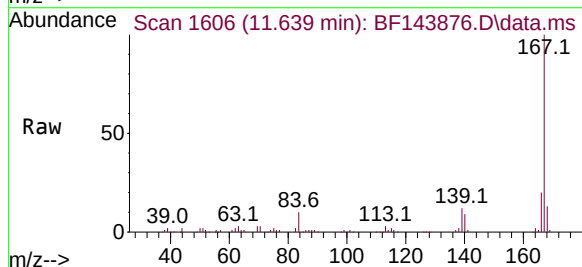
Tgt Ion:178 Resp: 156289
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 15.1 12.2 18.2

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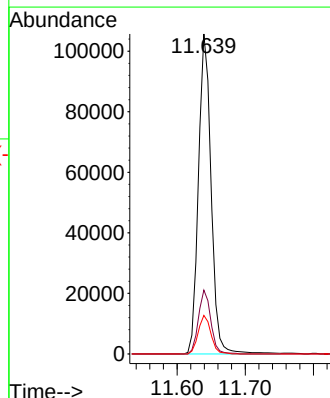
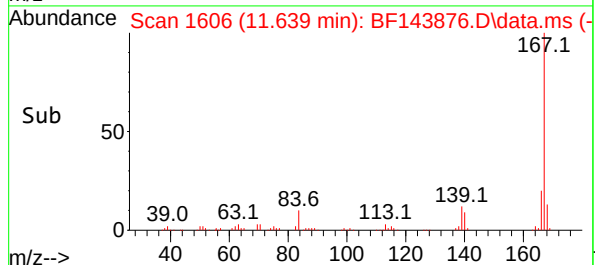
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

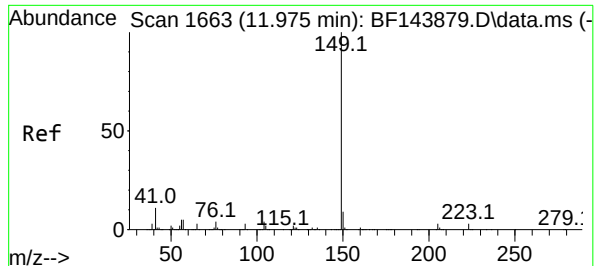


#73
Carbazole
Concen: 5.850 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



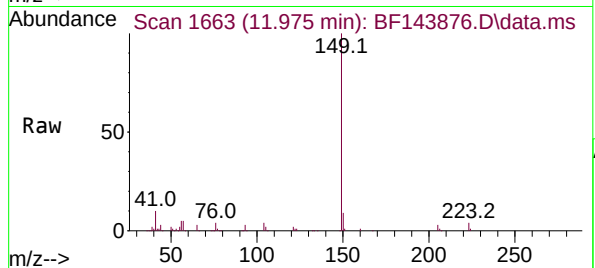
Tgt Ion:167 Resp: 136597
Ion Ratio Lower Upper
167 100
166 19.9 17.2 25.8
139 12.0 10.1 15.1





#74
Di-n-butylphthalate
Concen: 5.417 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

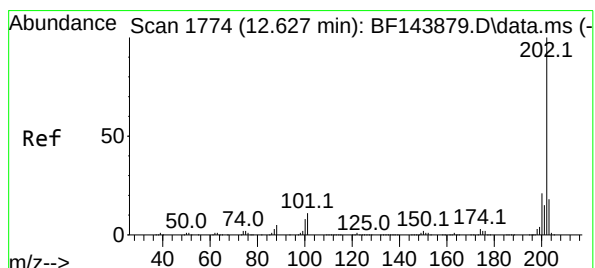
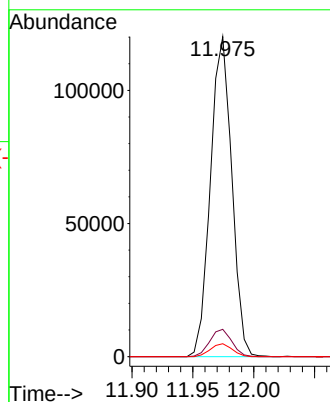
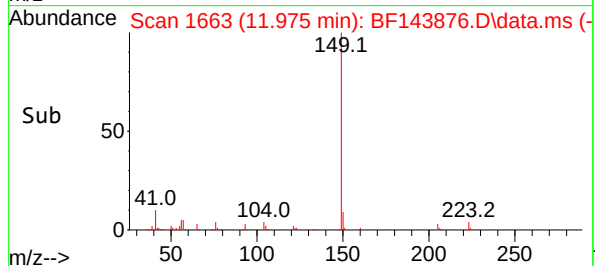
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



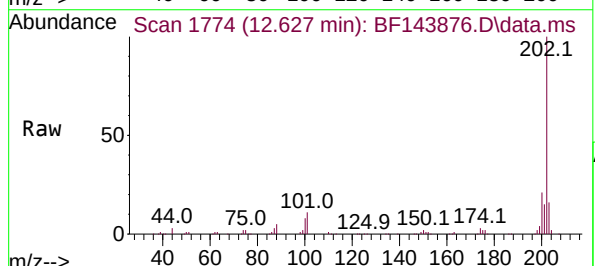
Tgt Ion:149 Resp: 146596
Ion Ratio Lower Upper
149 100
150 8.5 7.4 11.2
104 4.0 3.4 5.2

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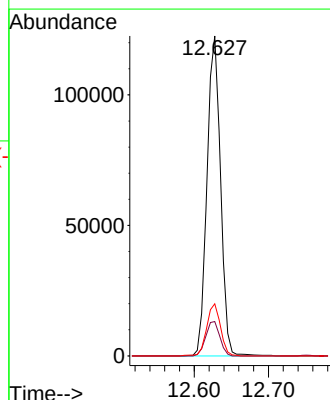
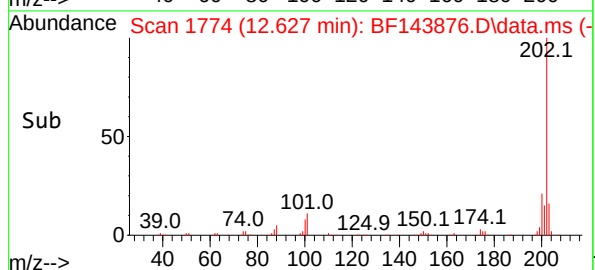
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

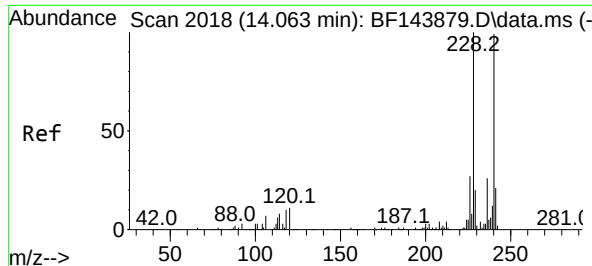


#75
Fluoranthene
Concen: 5.771 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28



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# 20

Delta R.T. -0.011 min

Lab File: BF143876.D

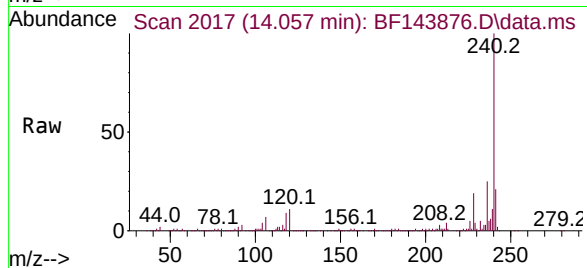
Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDIC005



Tgt Ion:240 Resp: 37993

Ion Ratio Lower Upper

240 100

120 10.8 8.6 13.0

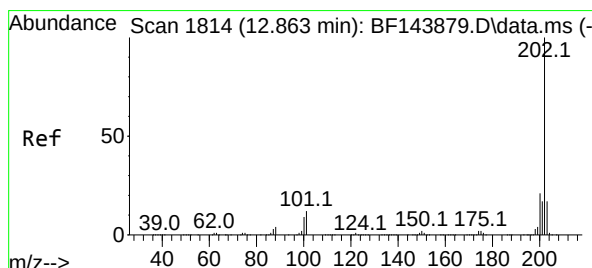
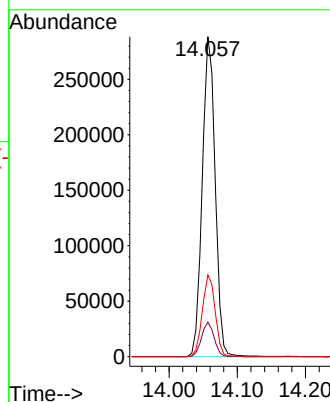
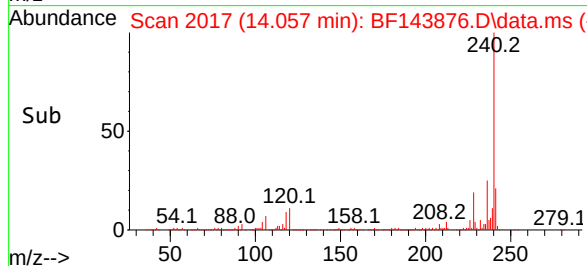
236 25.5 21.1 31.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

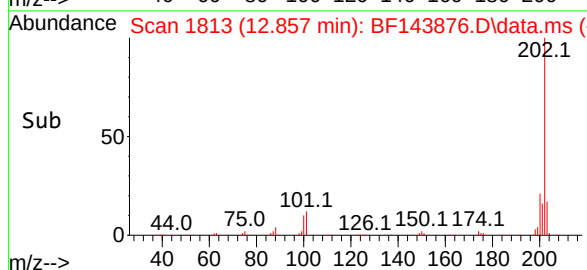
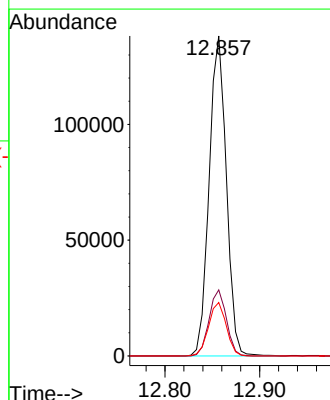
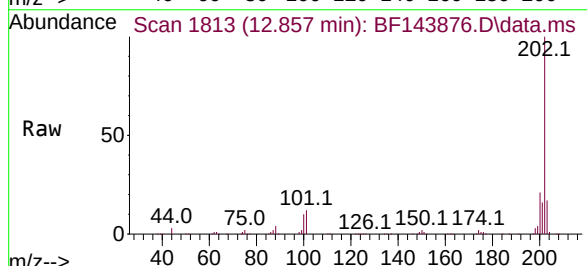
Tgt Ion:202 Resp: 174542

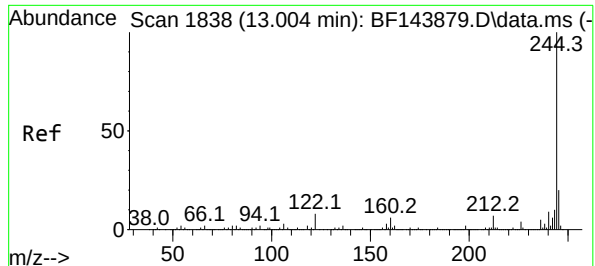
Ion Ratio Lower Upper

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# 1837

Delta R.T. -0.012 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 247223

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

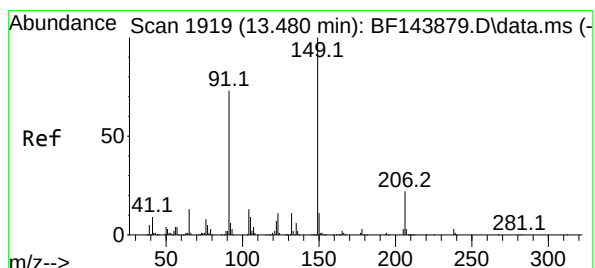
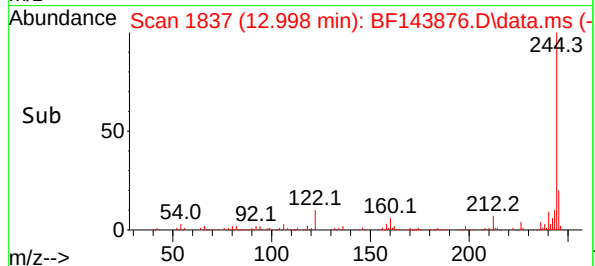
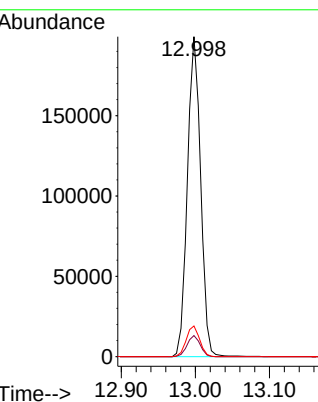
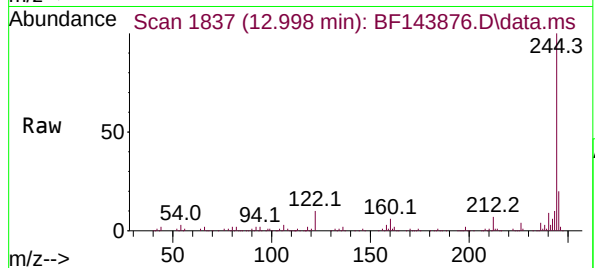
122 9.6 6.4 9.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

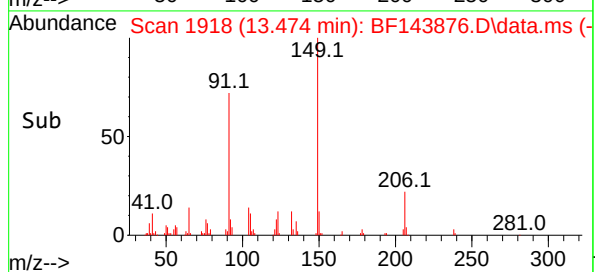
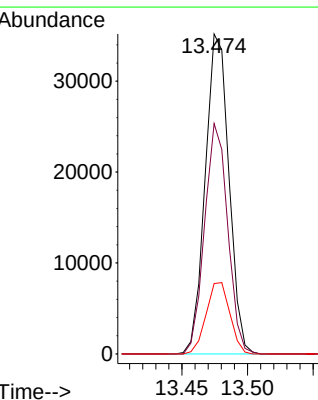
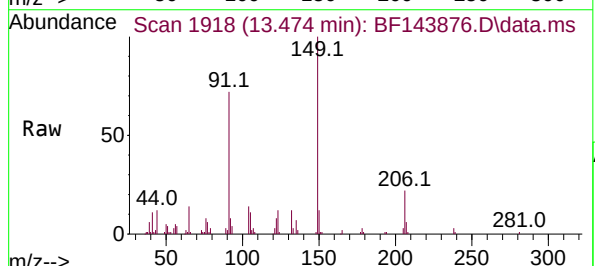
Tgt Ion:149 Resp: 44252

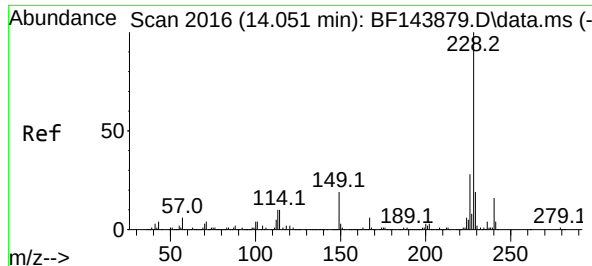
Ion Ratio Lower Upper

149 100

91 72.0 58.2 87.2

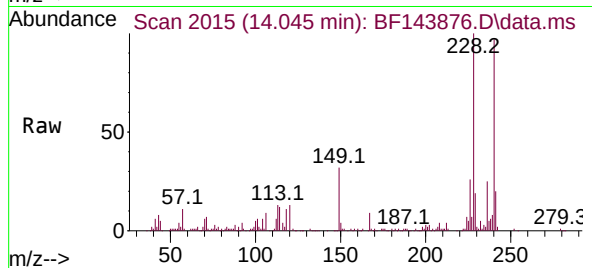
206 22.0 17.9 26.9





#81
Benzo(a)anthracene
Concen: 5.125 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

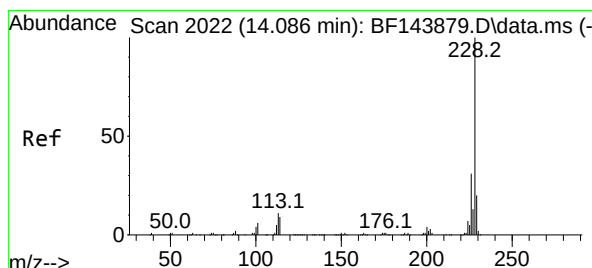
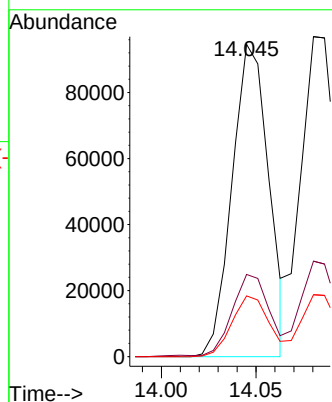
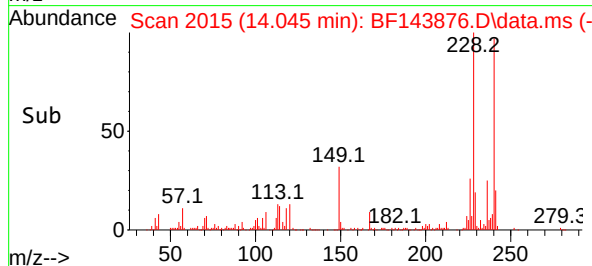
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:228 Resp: 127434
Ion Ratio Lower Upper
228 100
226 26.3 22.2 33.2
229 19.4 15.6 23.4

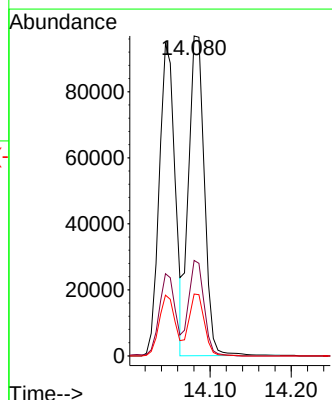
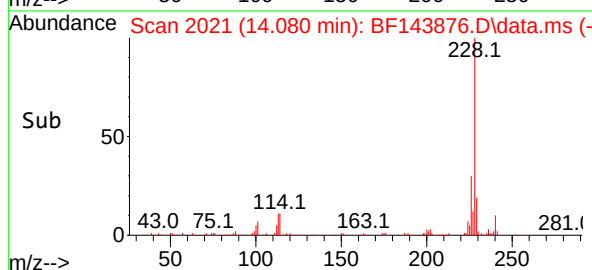
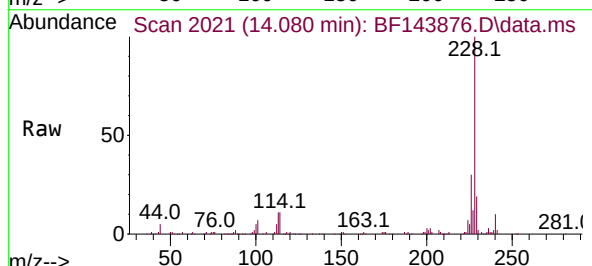
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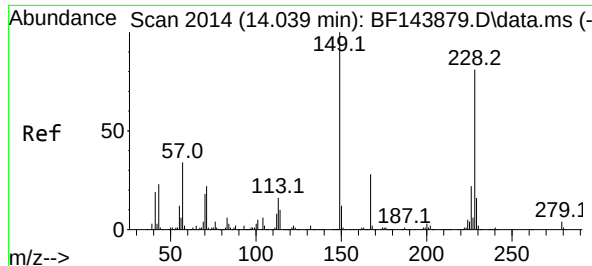
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

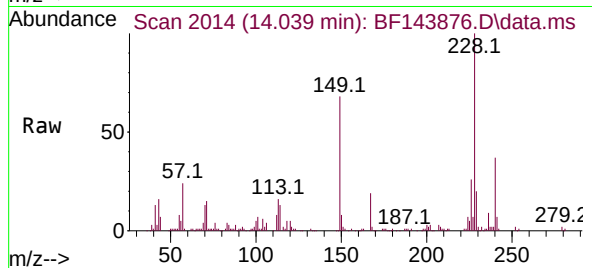
Tgt Ion:228 Resp: 130450
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 19.3 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.529 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

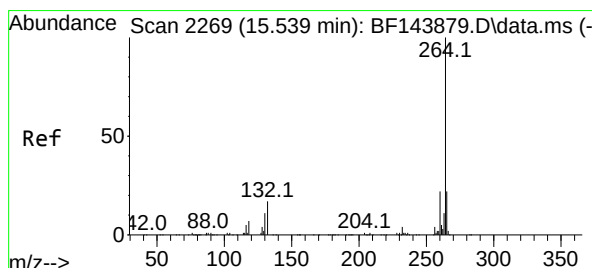
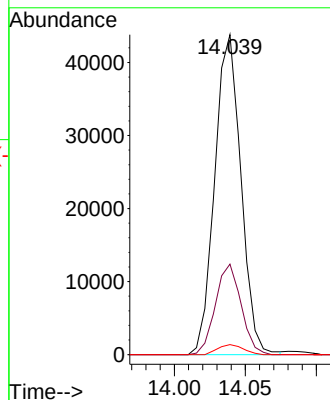
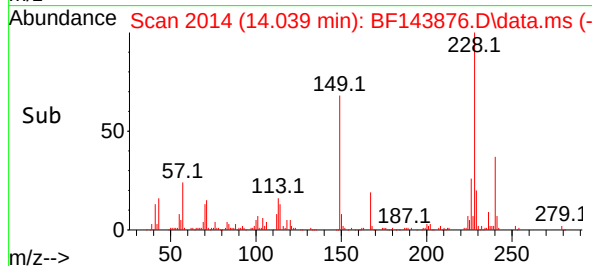
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 56165
Ion Ratio Lower Upper
149 100
167 28.3 22.2 33.4
279 3.1 3.1 4.7

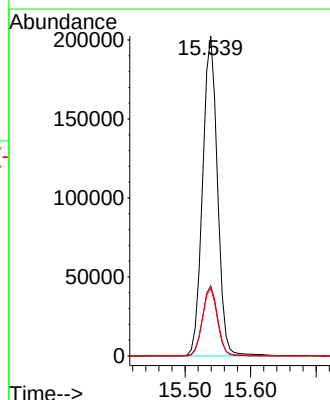
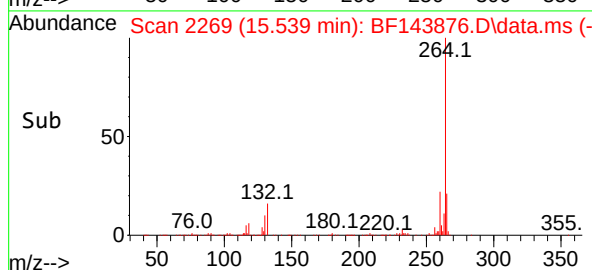
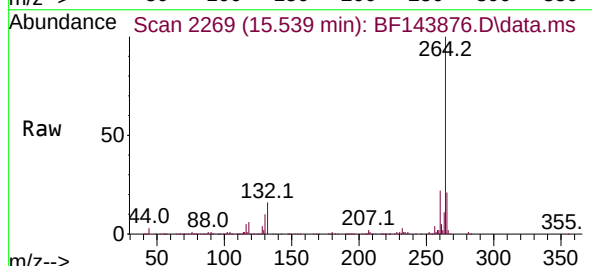
Manual Integrations
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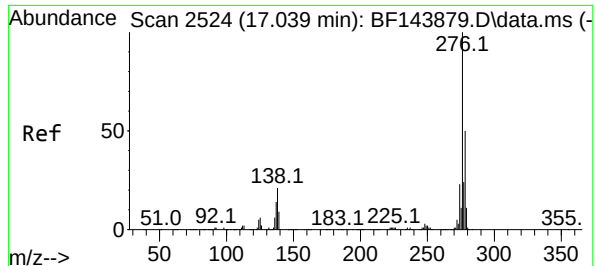
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 21

Delta R.T. -0.035 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

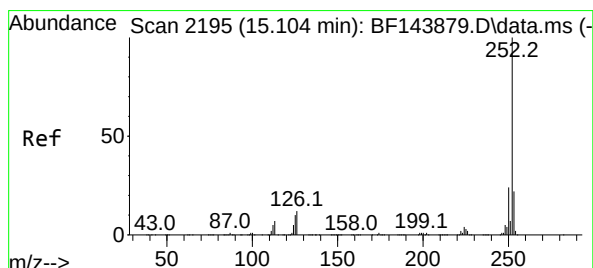
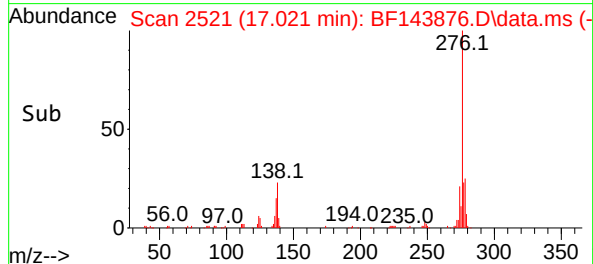
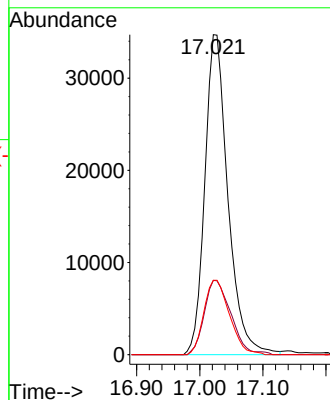
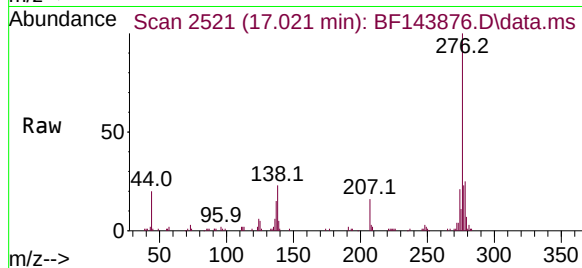
SSTDICC005

Tgt Ion	276	138	277
Resp	8832	26.7	25.7
Ratio	100	26.7	25.7
Lower		18.2	19.8
Upper		27.2	29.6

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#88

Benzo(b)fluoranthene

Concen: 5.255 ng

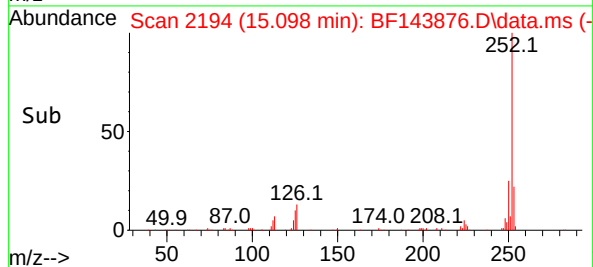
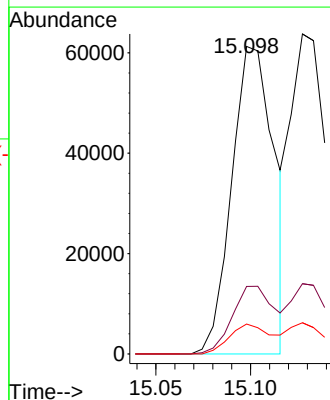
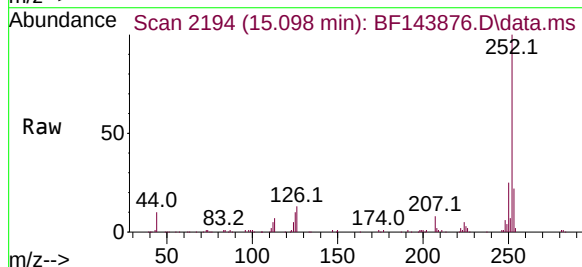
RT: 15.098 min Scan# 2194

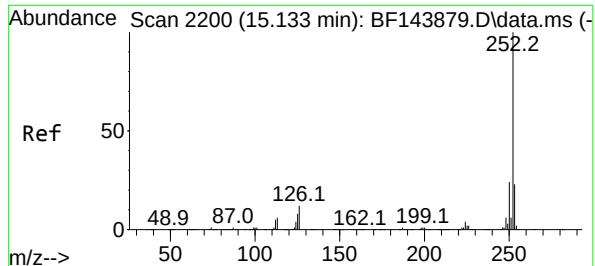
Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Tgt Ion	252	253	125
Resp	95737	21.9	9.7
Ratio	100	21.9	9.7
Lower		17.4	7.8
Upper		26.2	11.6





#89

Benzo(k)fluoranthene

Concen: 5.352 ng

RT: 15.127 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

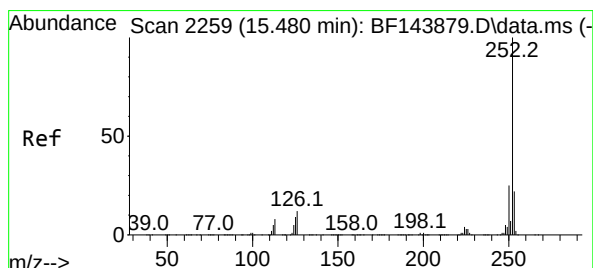
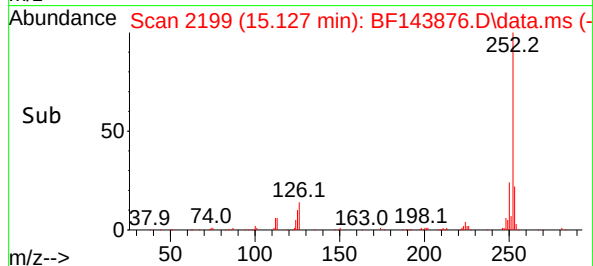
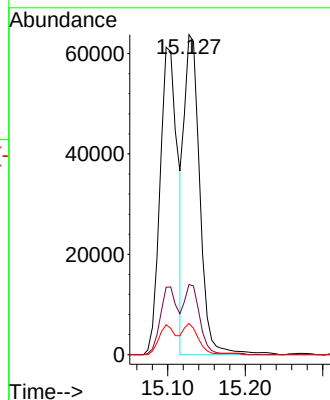
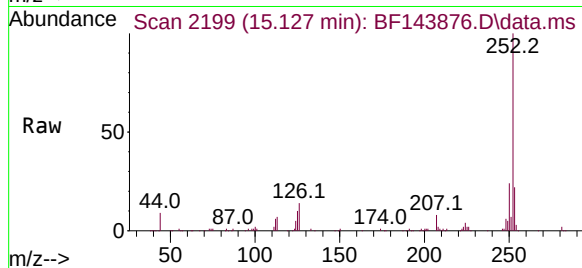
Tgt Ion:	252	Resp:	90226
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	9.7	7.4	11.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

Concen: 5.018 ng

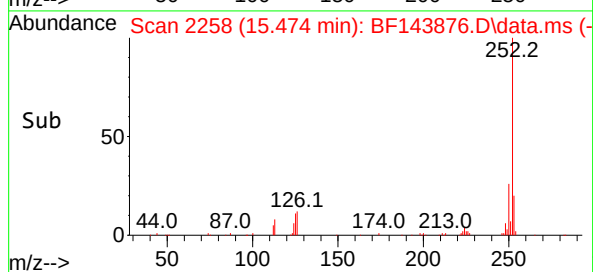
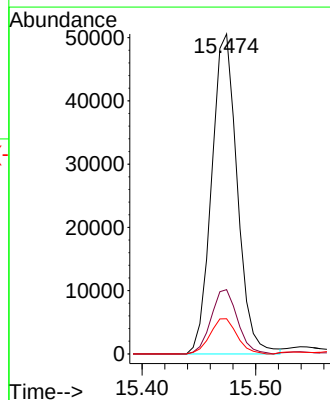
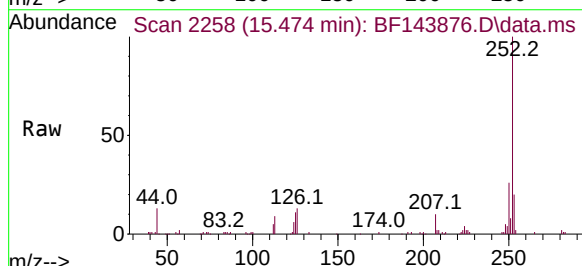
RT: 15.474 min Scan# 2258

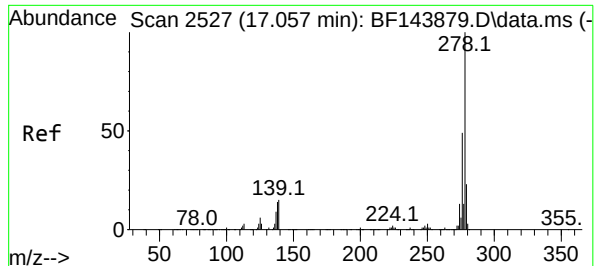
Delta R.T. -0.012 min

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# 2527

Delta R.T. -0.035 min

Lab File: BF143876.D

Acq: 06 Oct 2025 10:28

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:278 Resp: 70452

Ion Ratio Lower Upper

278 100

139 16.2 11.7 17.5

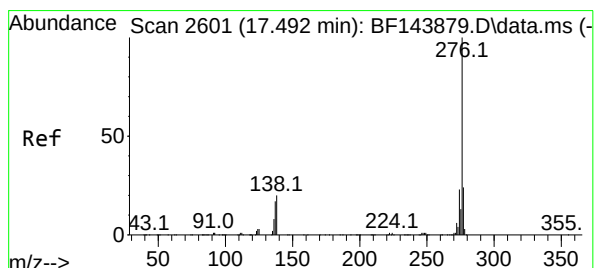
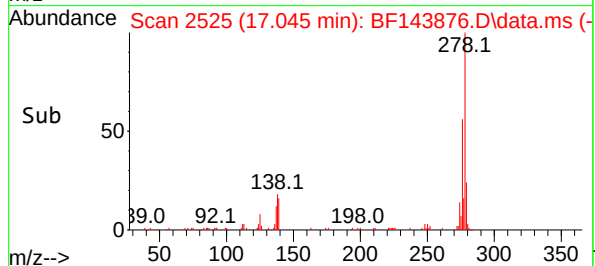
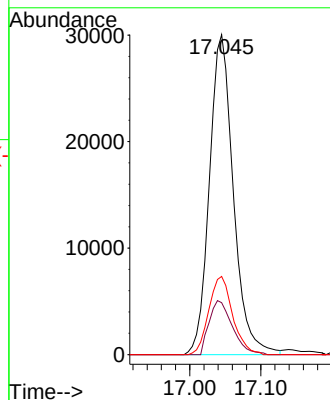
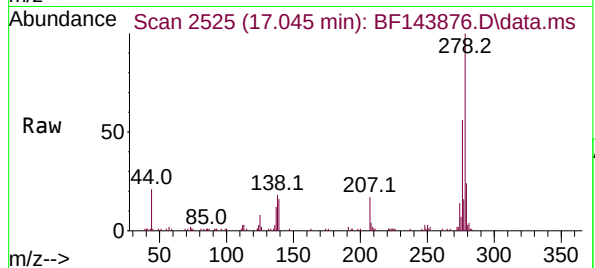
279 24.4 18.4 27.6

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

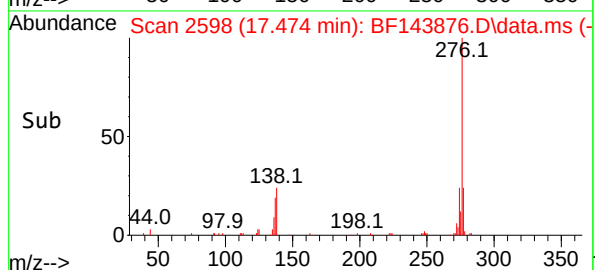
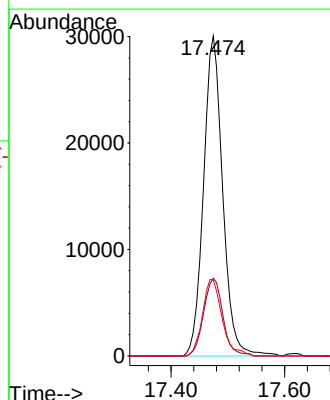
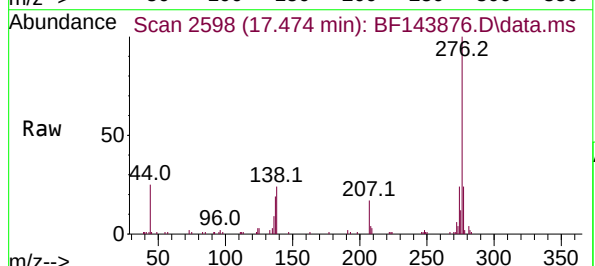
Tgt Ion:276 Resp: 70468

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

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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

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)
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

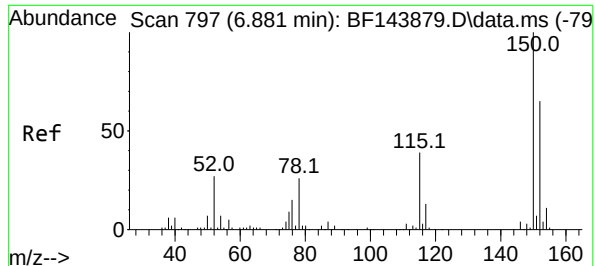
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Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations

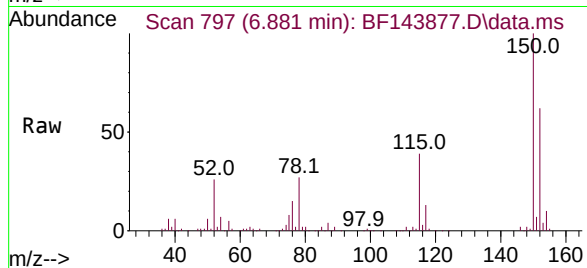
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025





#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

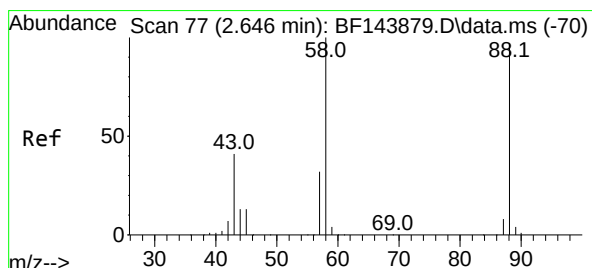
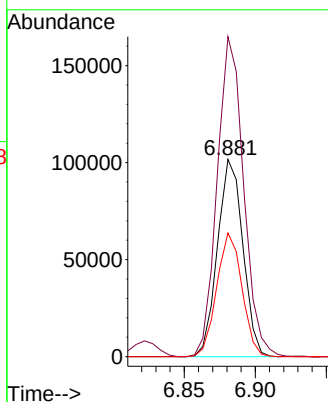
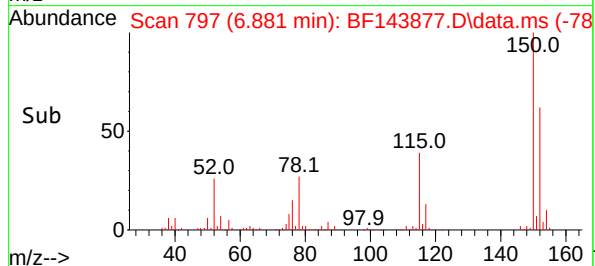
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 126533
Ion Ratio Lower Upper
152 100
150 162.3 124.4 186.6
115 62.7 48.1 72.1

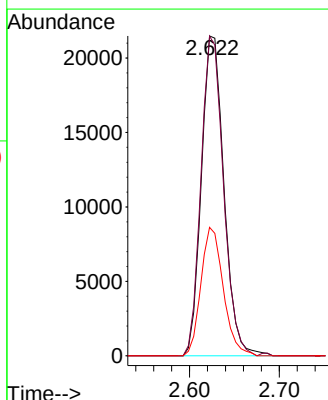
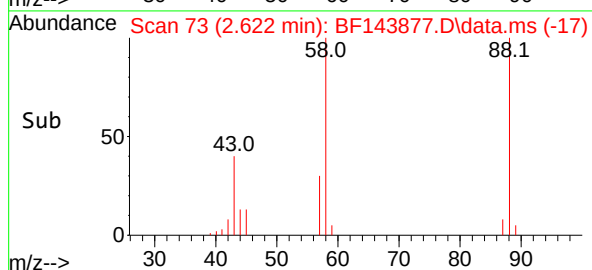
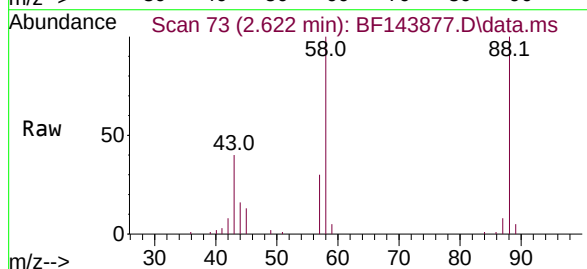
Manual Integrations
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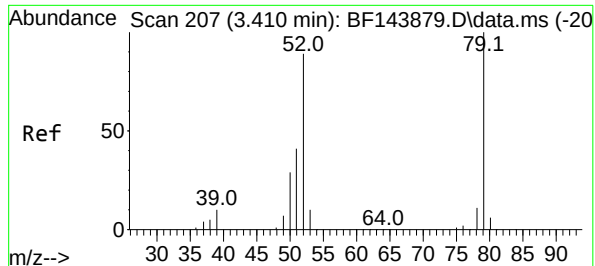
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 20

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 105800

Ion Ratio Lower Upper

79 100

52 88.4 71.5 107.3

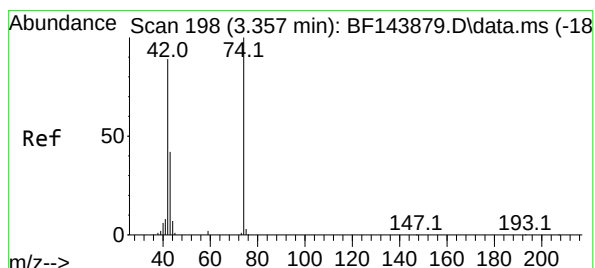
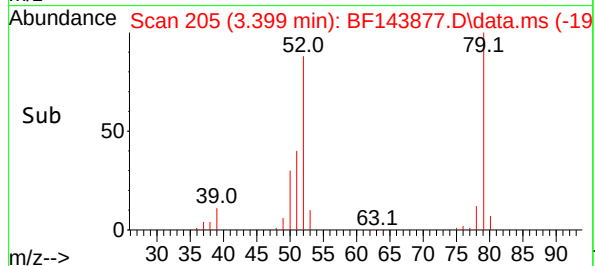
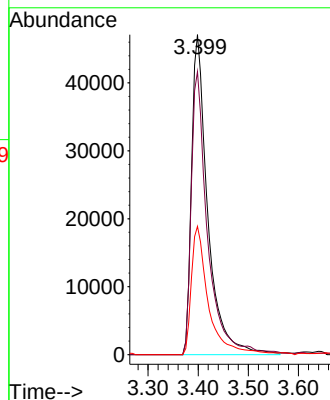
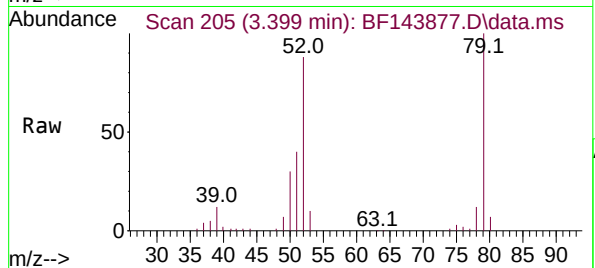
51 40.1 32.9 49.3

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

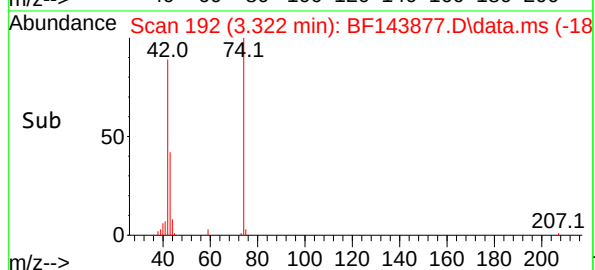
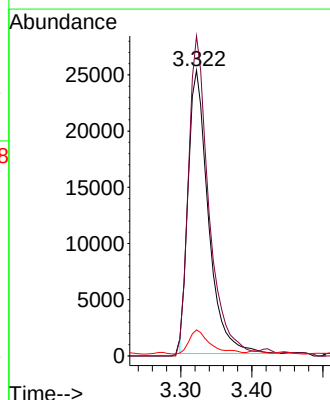
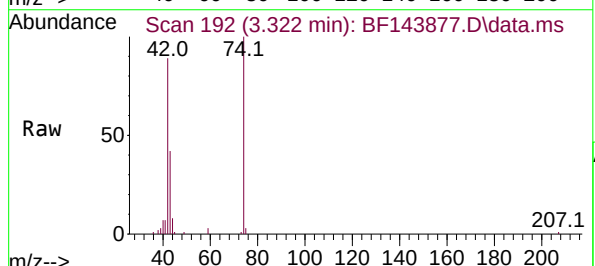
Tgt Ion: 42 Resp: 49793

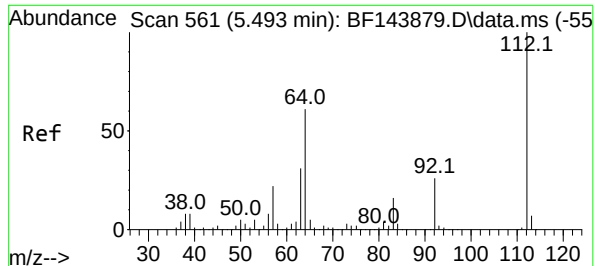
Ion Ratio Lower Upper

42 100

74 112.1 90.0 135.0

44 9.1 6.2 9.2





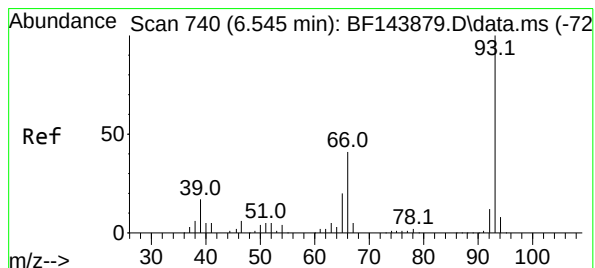
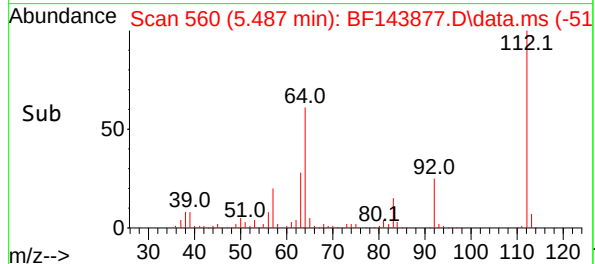
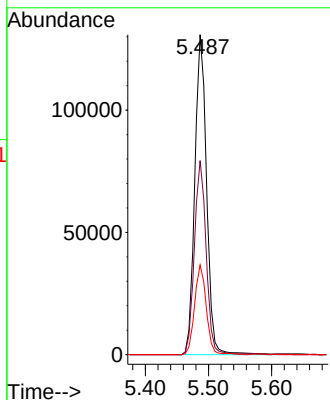
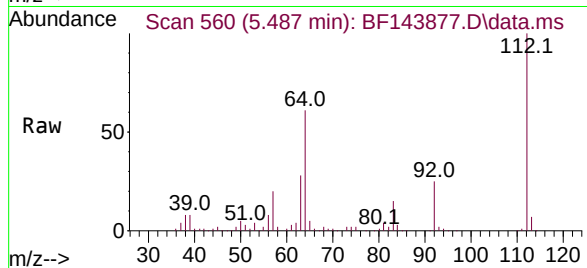
#5
2-Fluorophenol
Concen: 21.422 ng
RT: 5.487 min Scan# 50
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

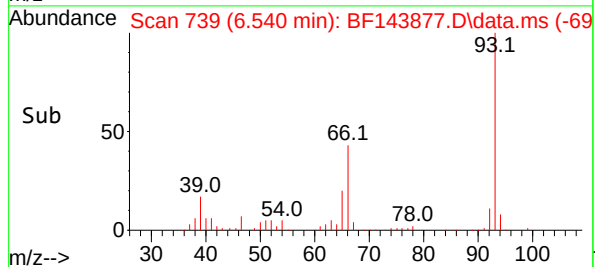
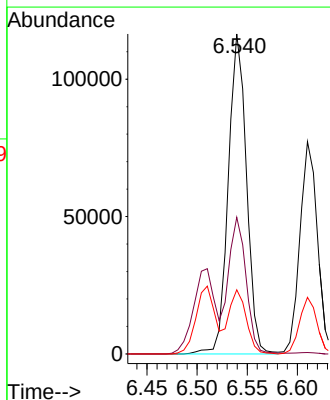
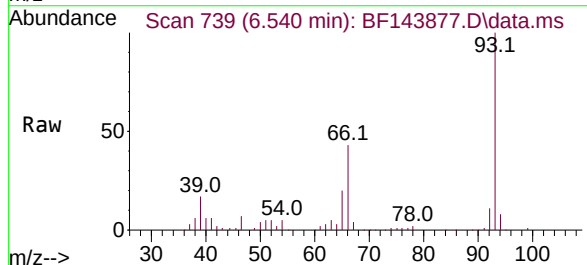
Manual Integrations
APPROVED

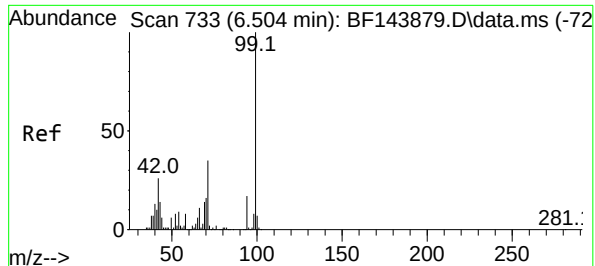
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

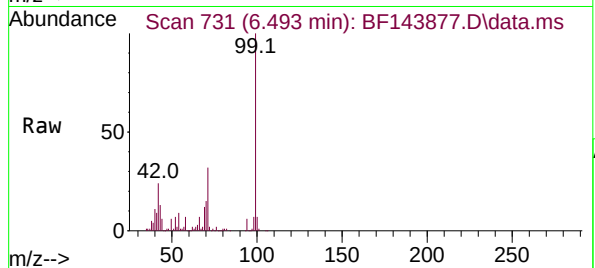
Tgt Ion: 93 Resp: 147222
Ion Ratio Lower Upper
93 100
66 42.7 33.0 49.6
65 20.0 15.8 23.8





#7
Phenol-d6
Concen: 21.727 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

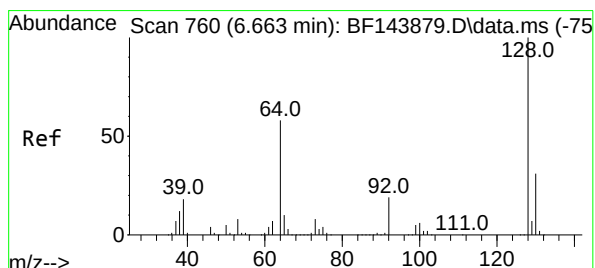
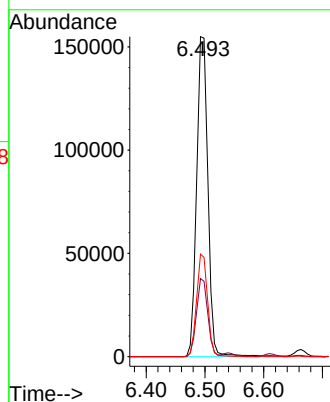
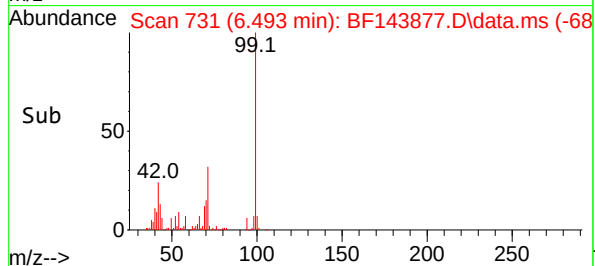
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



Tgt Ion: 99 Resp: 206358
Ion Ratio Lower Upper
99 100
42 24.4 21.0 31.4
71 32.0 27.8 41.8

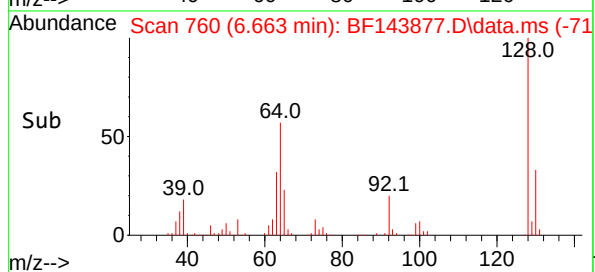
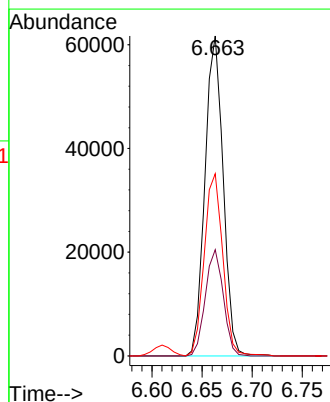
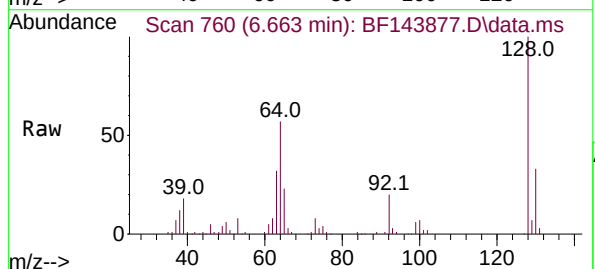
Manual Integrations
APPROVED

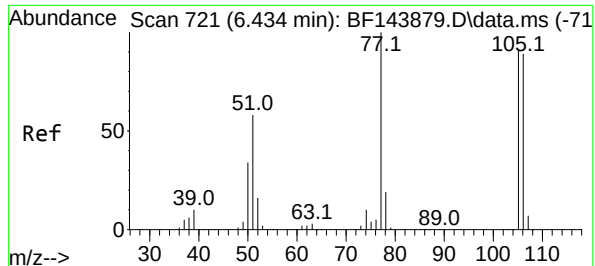
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 721

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 70546

Ion Ratio Lower Upper

77 100

105 92.9 70.9 110.9

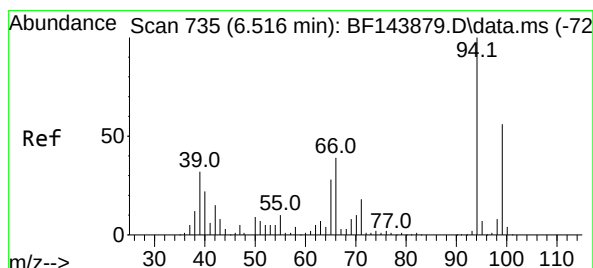
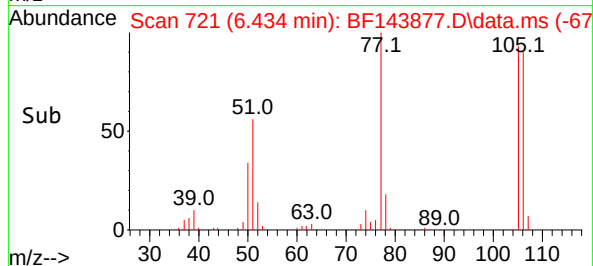
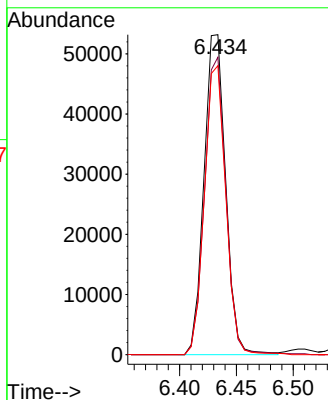
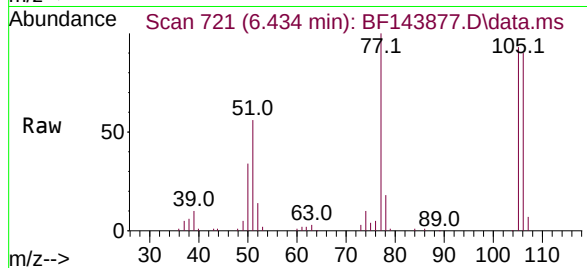
106 90.3 68.9 108.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

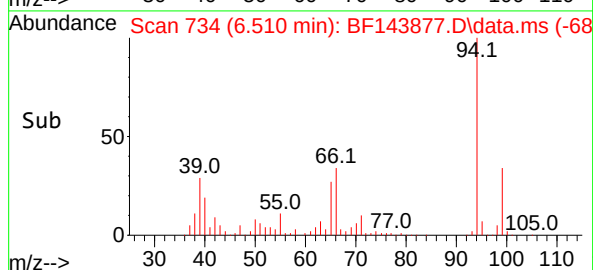
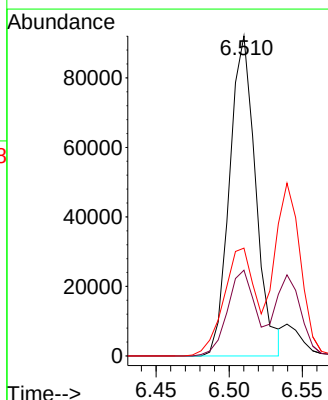
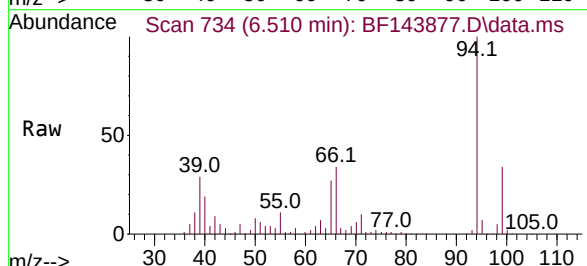
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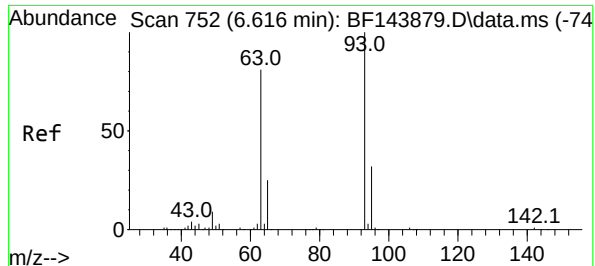
Ion Ratio Lower Upper

94 100

65 26.8 8.5 48.5

66 33.7 19.9 59.9





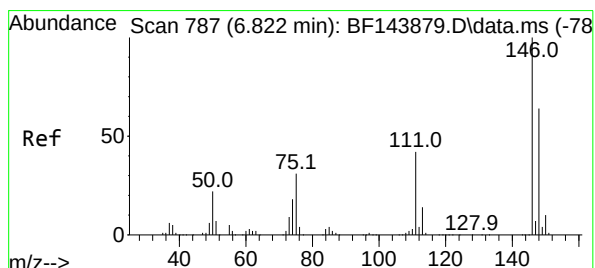
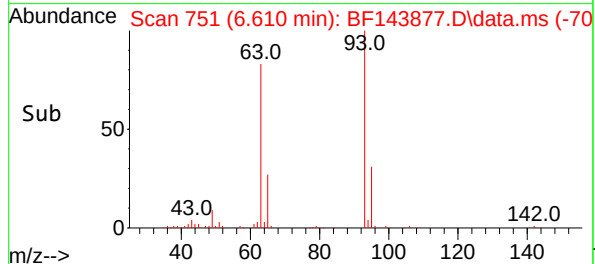
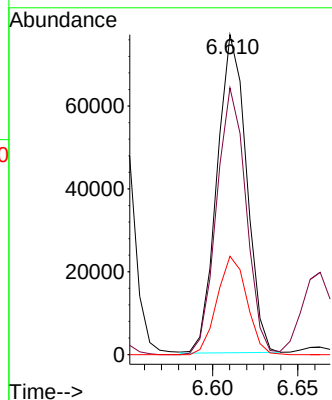
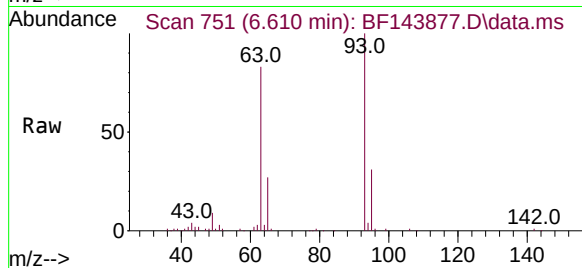
#11
bis(2-Chloroethyl)ether
Concen: 10.513 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 92208
Ion Ratio Lower Upper
93 100
63 83.4 60.9 100.9
95 30.7 11.5 51.5

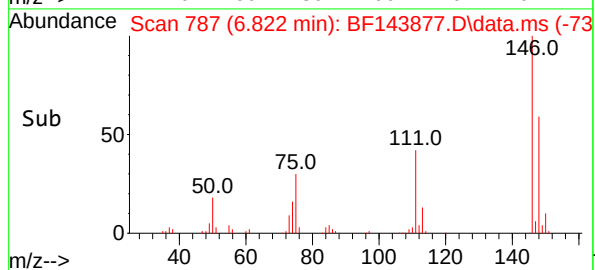
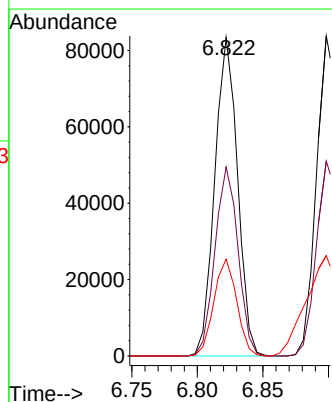
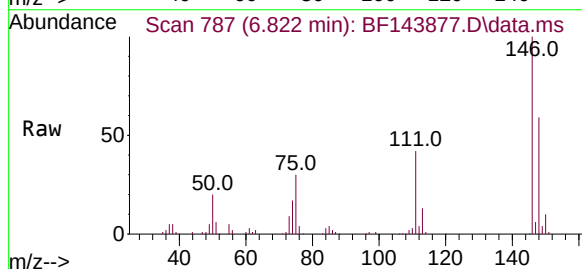
Manual Integrations
APPROVED

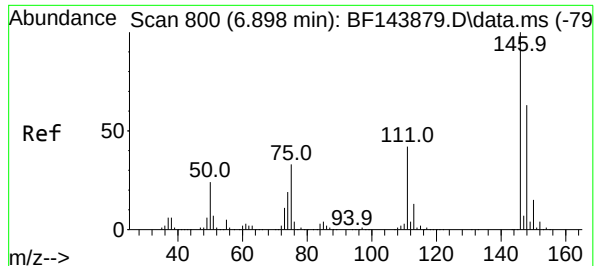
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 800

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 101588

Ion Ratio Lower Upper

146 100

148 60.9 50.5 75.7

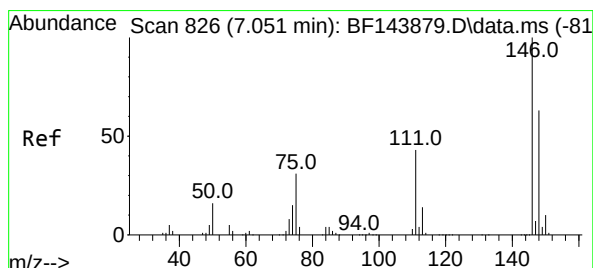
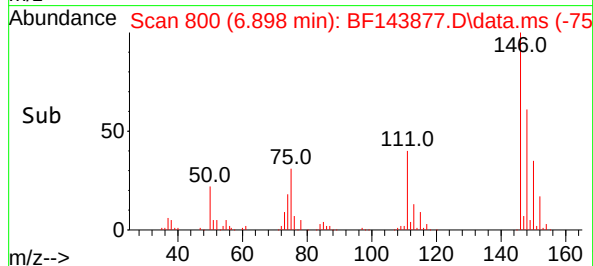
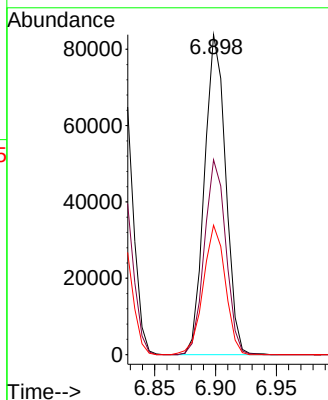
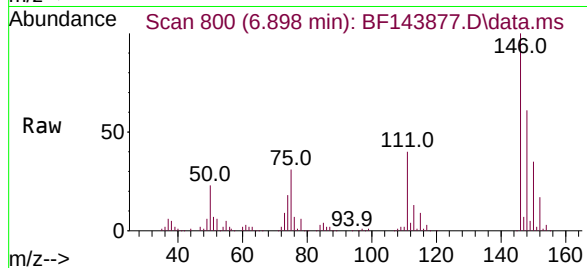
111 40.4 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

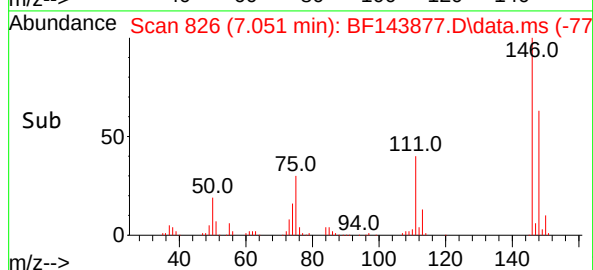
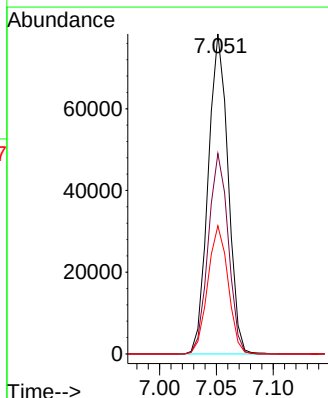
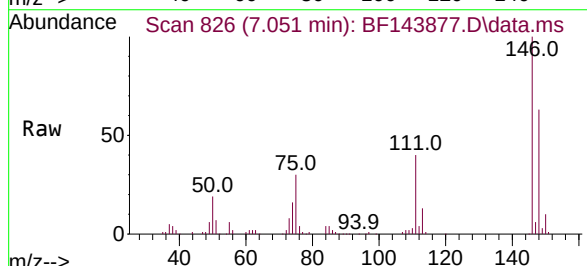
Tgt Ion:146 Resp: 95345

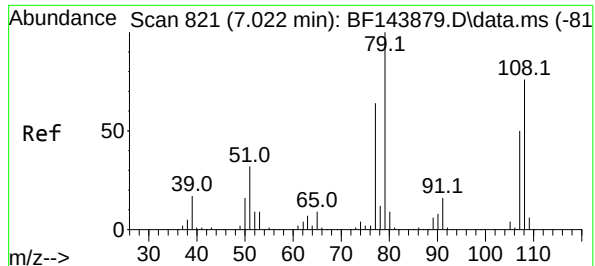
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 70756

Ion Ratio Lower Upper

79 100

108 75.1 60.8 91.2

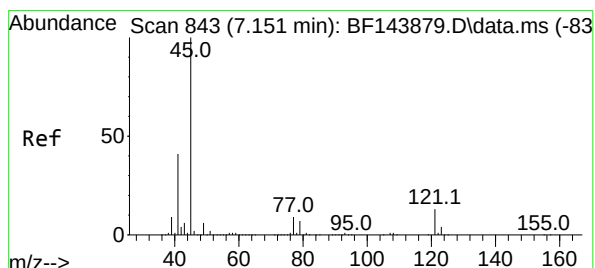
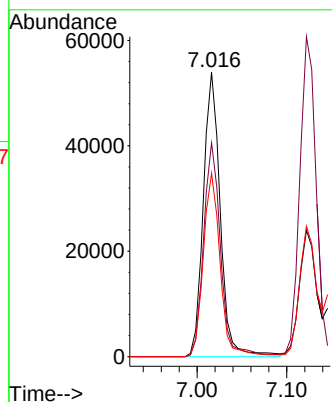
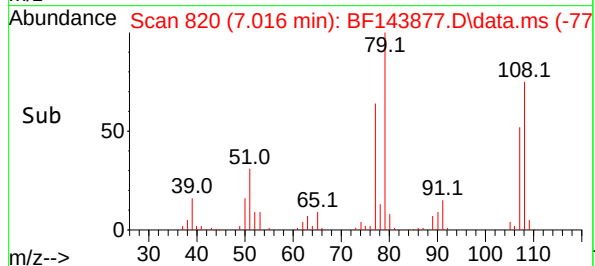
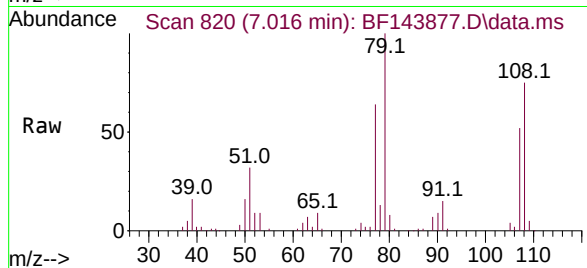
77 64.5 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

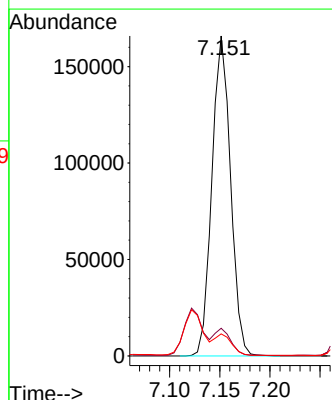
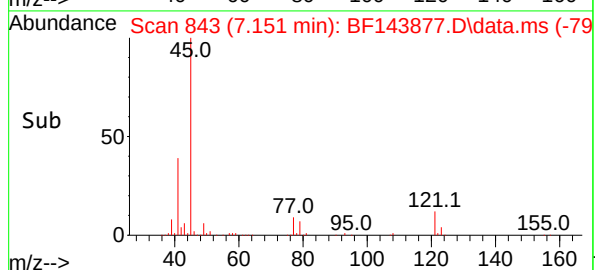
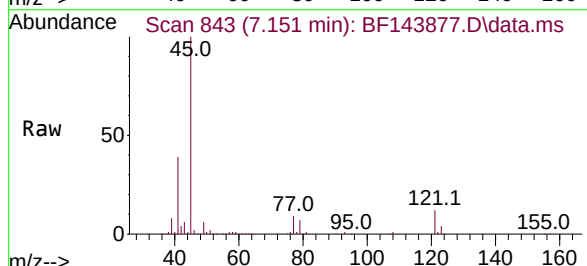
Tgt Ion: 45 Resp: 214183

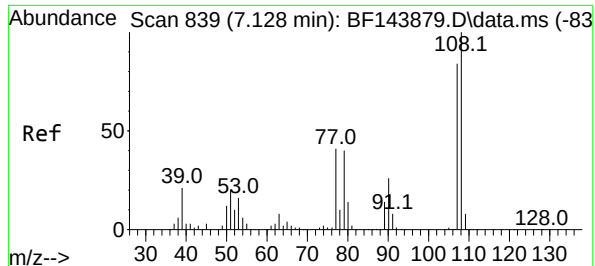
Ion Ratio Lower Upper

45 100

77 8.6 0.0 29.0

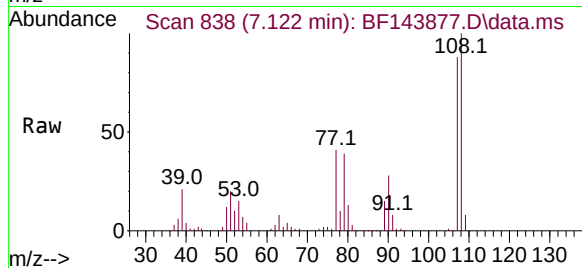
79 6.9 0.0 26.8





#17
2-Methylphenol
Concen: 10.389 ng
RT: 7.122 min Scan# 839
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

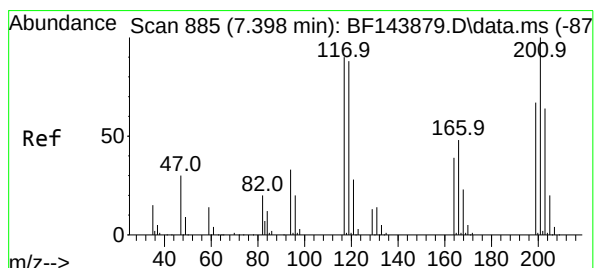
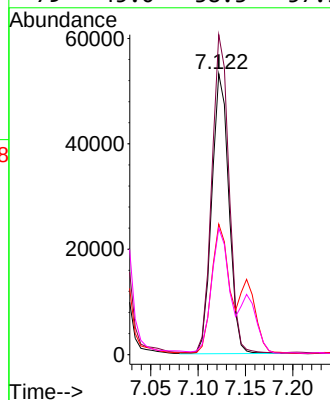
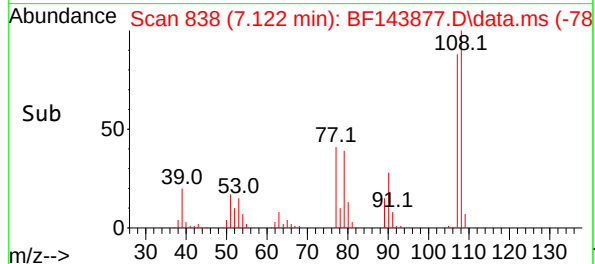
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:107 Resp: 66872
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

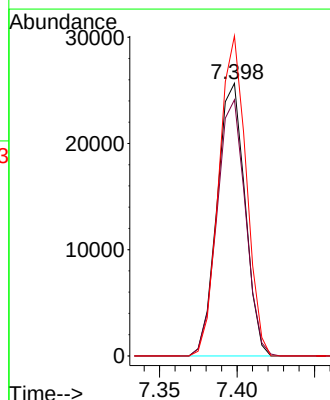
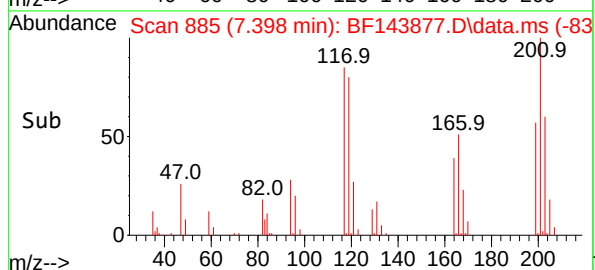
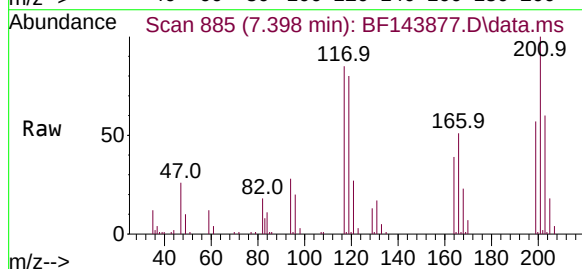
Manual Integrations
APPROVED

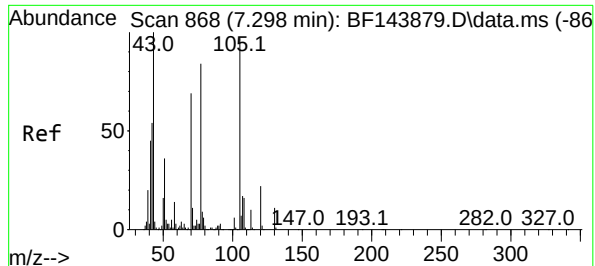
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 866

Delta R.T. -0.029 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

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

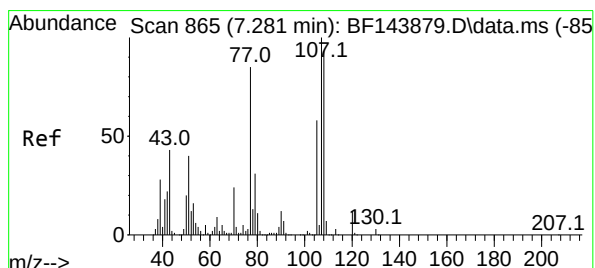
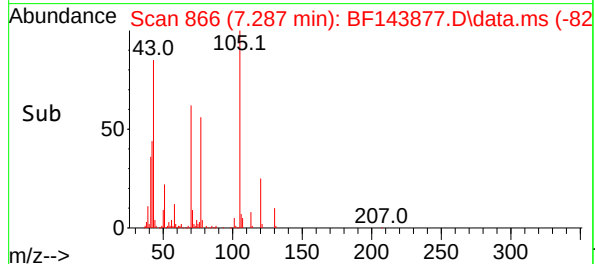
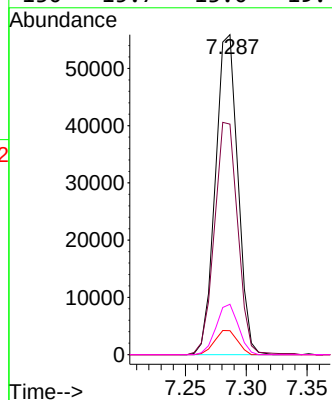
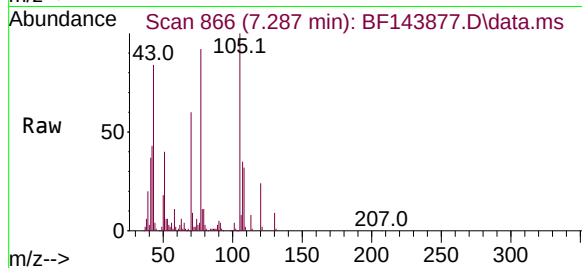
130 15.7 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

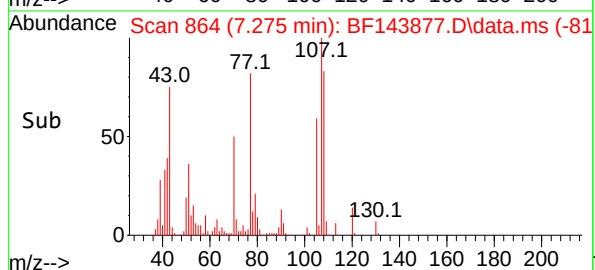
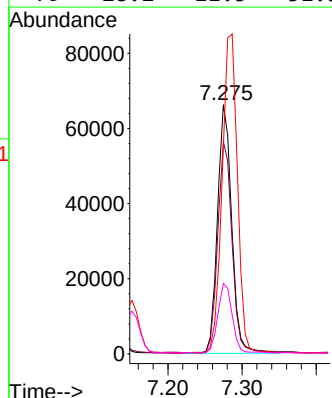
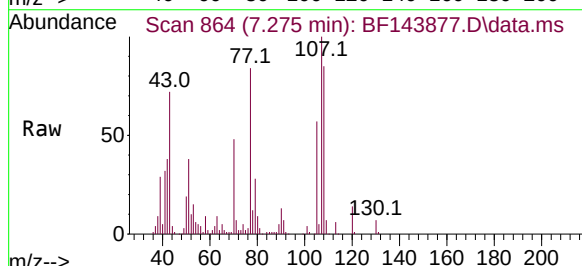
Ion Ratio Lower Upper

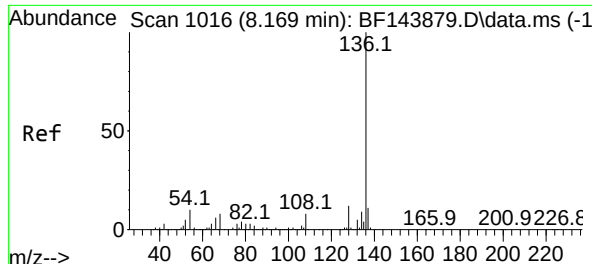
107 100

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# 1016

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 493548

Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.0 8.2 12.4

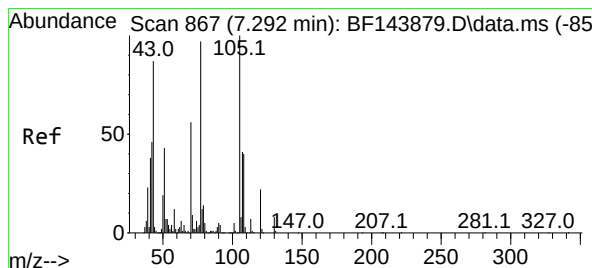
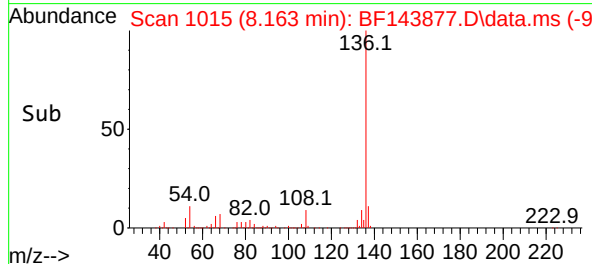
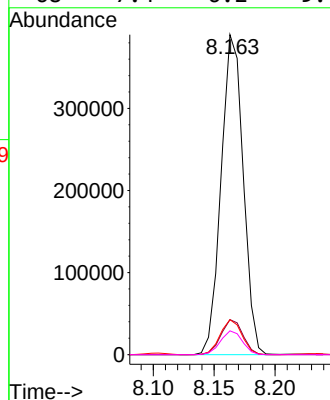
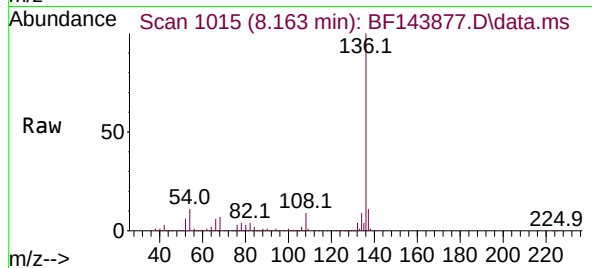
68 7.4 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

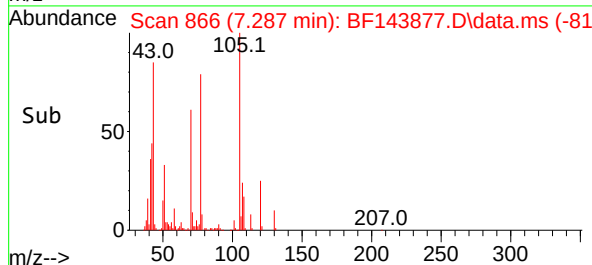
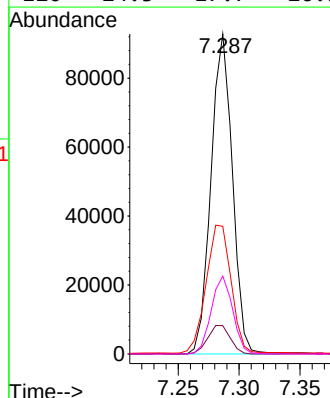
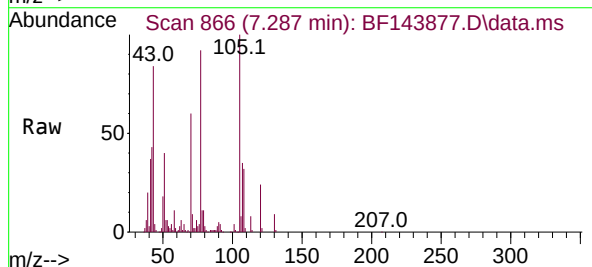
Ion Ratio Lower Upper

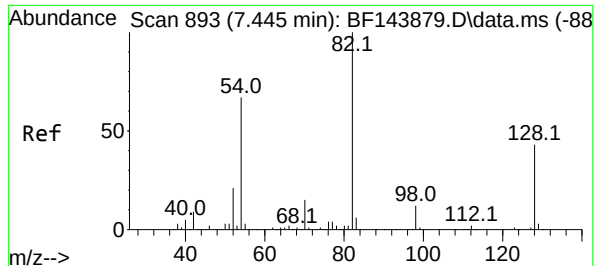
105 100

71 8.8 7.4 11.0

51 39.9 34.2 51.4

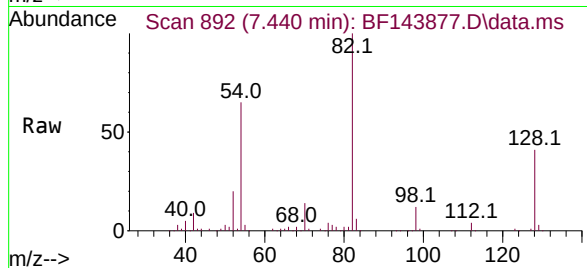
120 24.3 17.7 26.5





#23
Nitrobenzene-d5
Concen: 20.204 ng
RT: 7.440 min Scan# 891
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

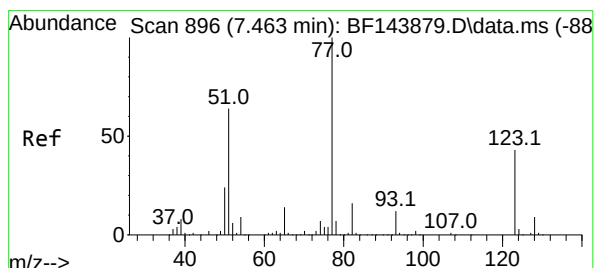
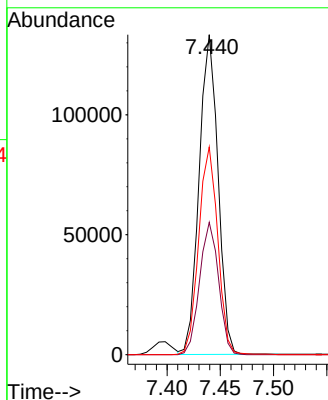
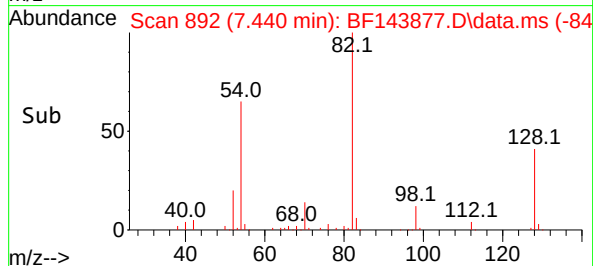
Instrument :
BNA_F
Client Sample Id :
SSTDICC010



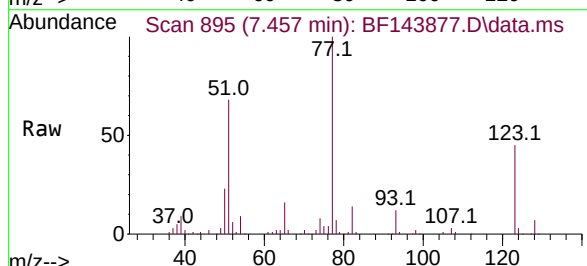
Tgt Ion: 82 Resp: 164127
Ion Ratio Lower Upper
82 100
128 41.3 34.0 51.0
54 64.9 53.2 79.8

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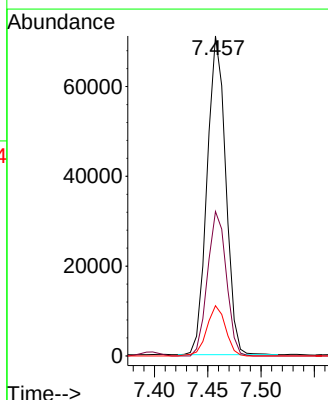
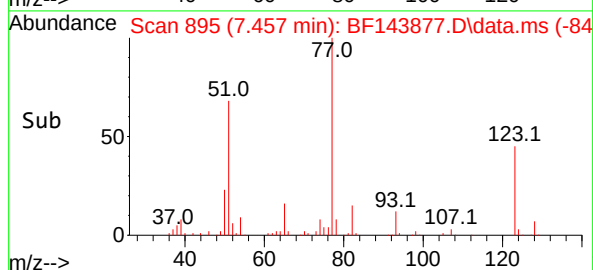
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

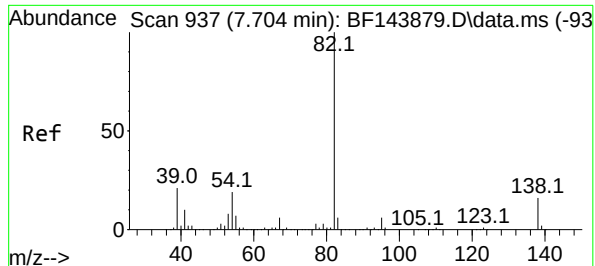


#24
Nitrobenzene
Concen: 9.558 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



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





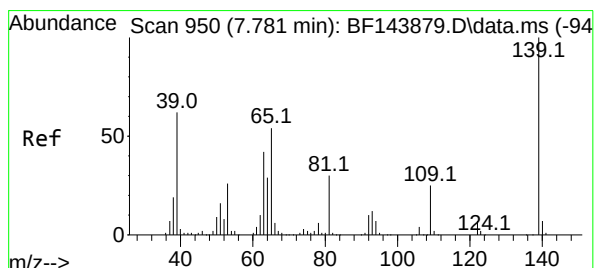
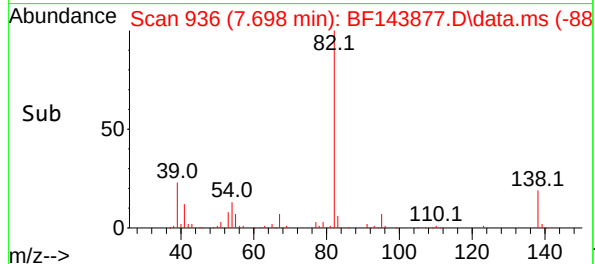
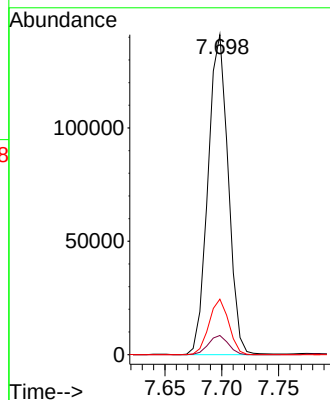
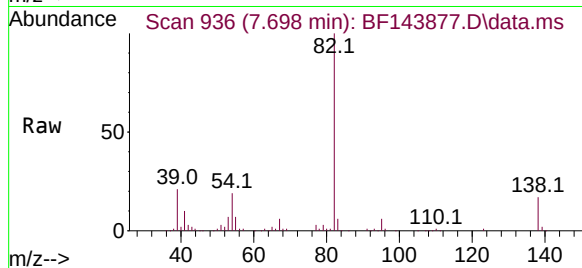
#25
Isophorone
Concen: 10.203 ng
RT: 7.698 min Scan# 931
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
Client Sample Id :
SSTDICC010

Tgt Ion: 82 Resp: 174762
Ion Ratio Lower Upper
82 100
95 6.0 5.1 7.7
138 17.3 12.9 19.3

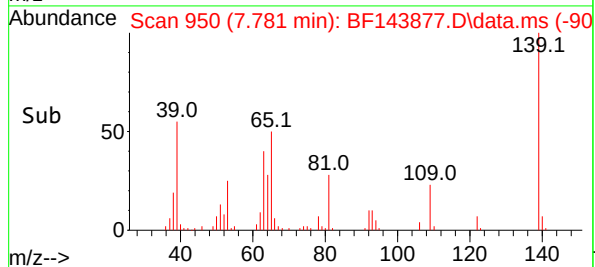
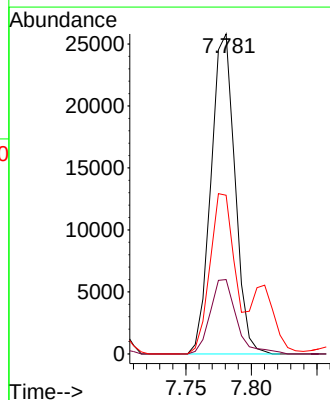
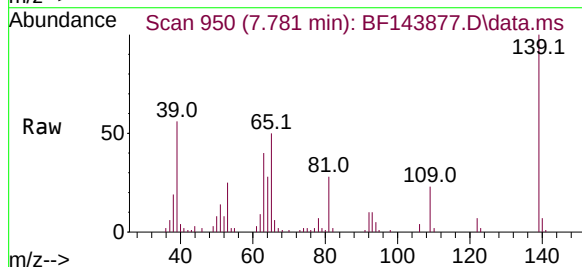
Manual Integrations
APPROVED

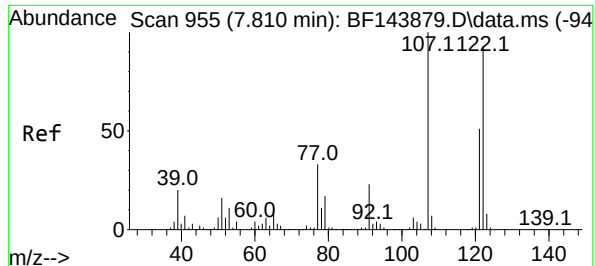
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 91
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

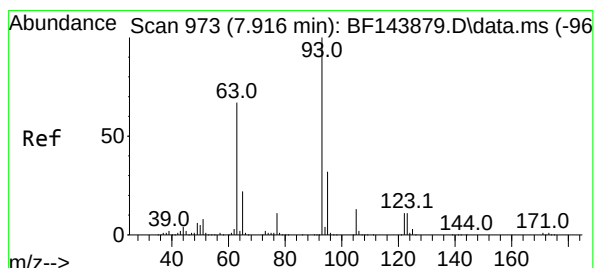
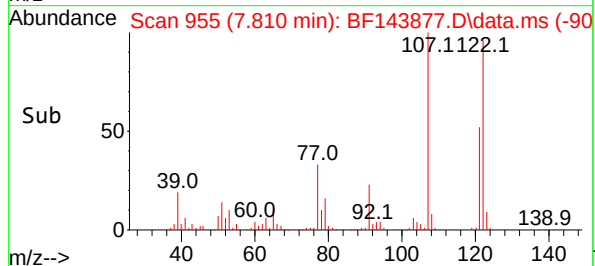
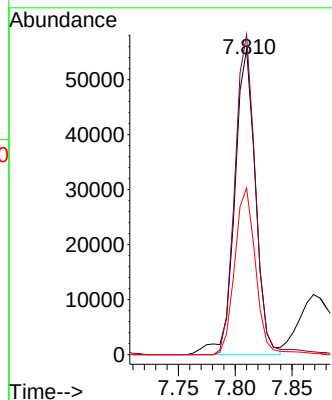
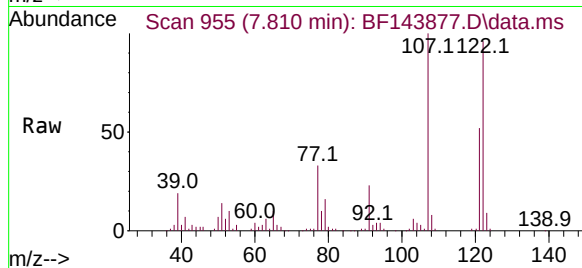
ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 70960
Ion Ratio Lower Upper
122 100
107 104.7 86.1 129.1
121 54.5 43.8 65.6

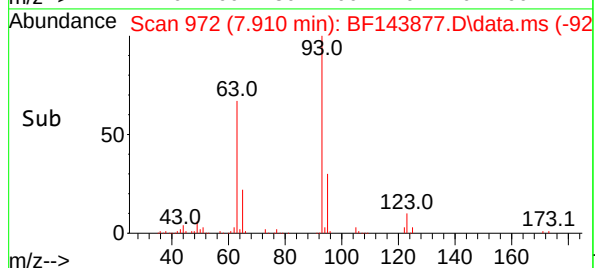
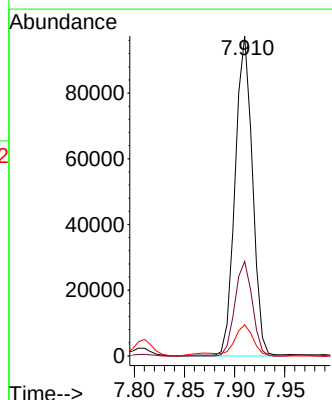
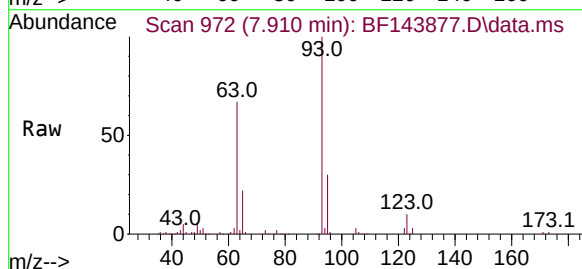
Manual Integrations
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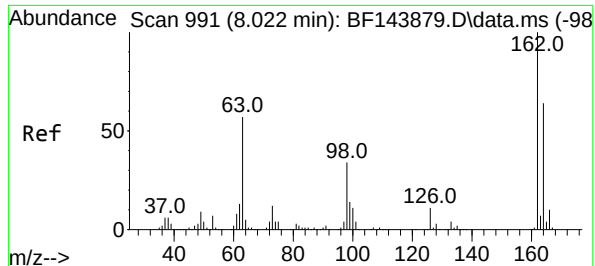
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 991

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 7214

Ion Ratio Lower Upper

162 100

164 63.1 43.9 83.9

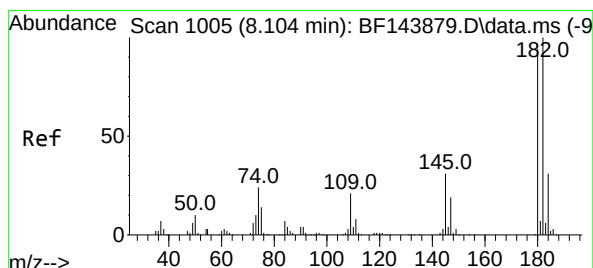
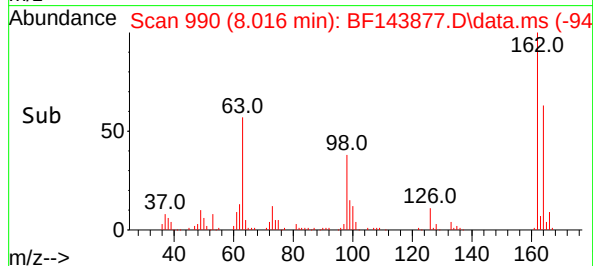
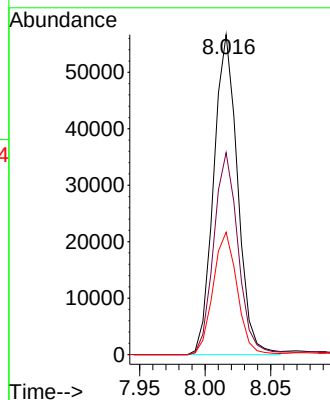
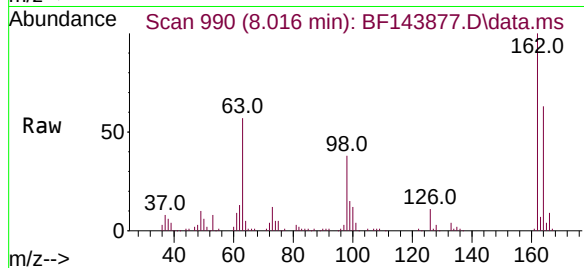
98 38.2 14.4 54.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

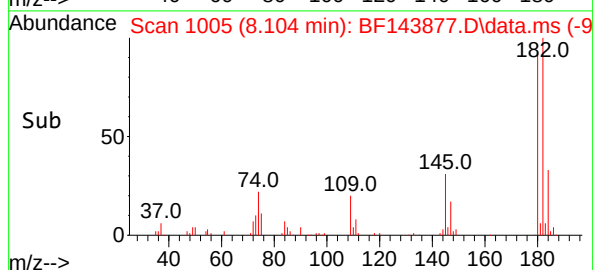
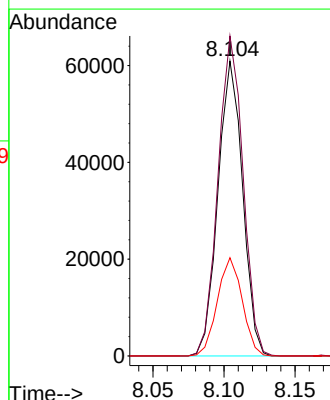
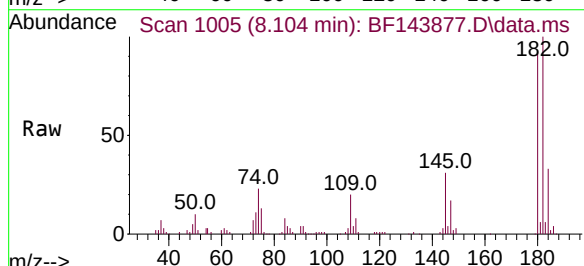
Tgt Ion:180 Resp: 73668

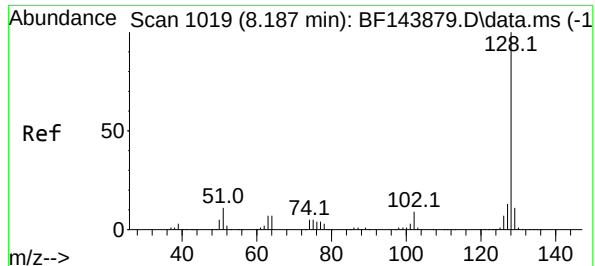
Ion Ratio Lower Upper

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# 1019

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

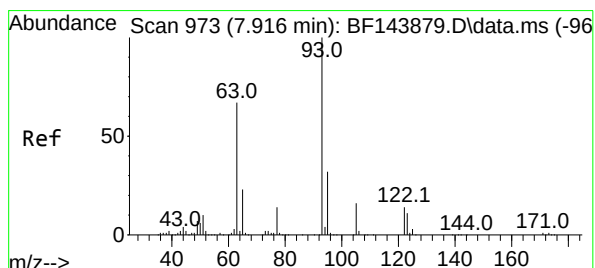
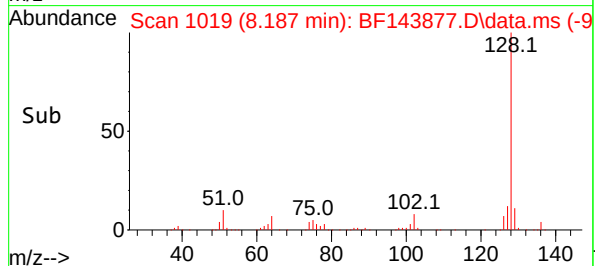
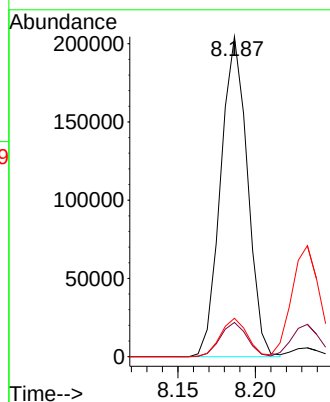
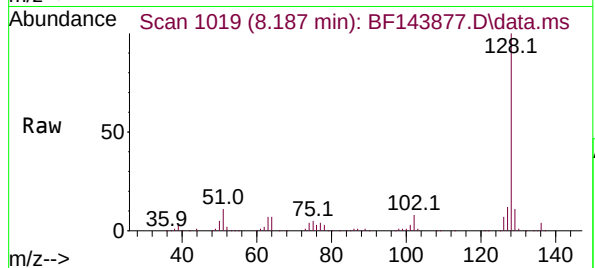
Tgt Ion:128 Resp: 245852
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.0 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#32

Benzoic acid

Concen: 6.721 ng m

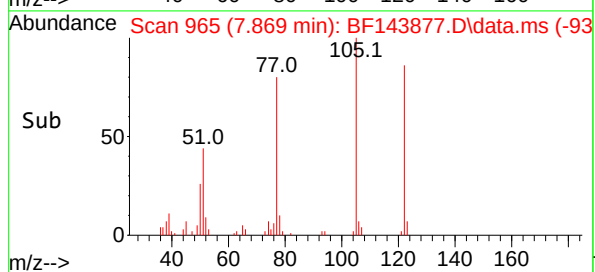
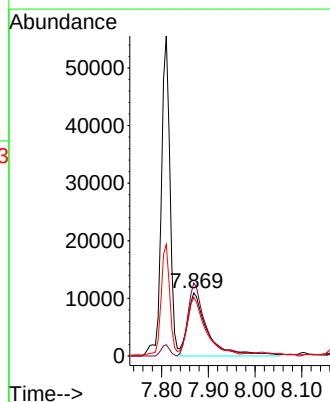
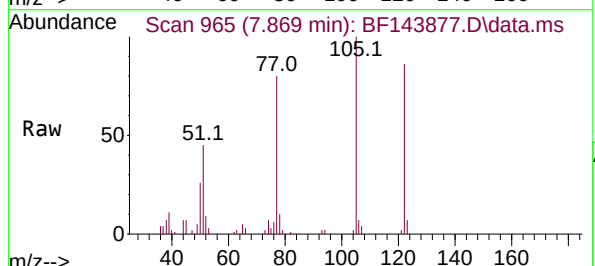
RT: 7.869 min Scan# 965

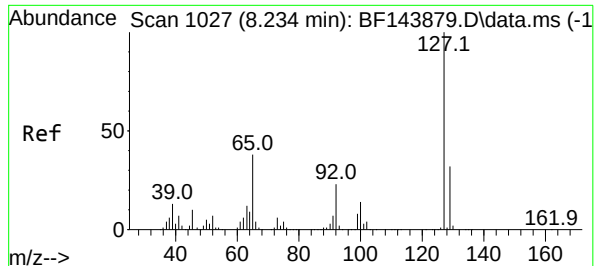
Delta R.T. -0.094 min

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





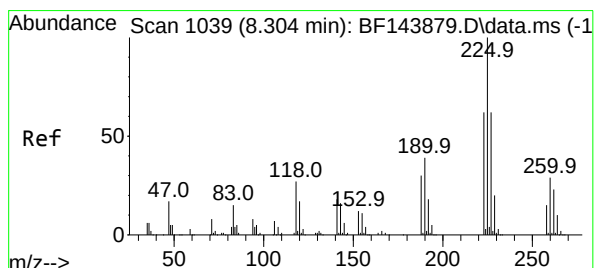
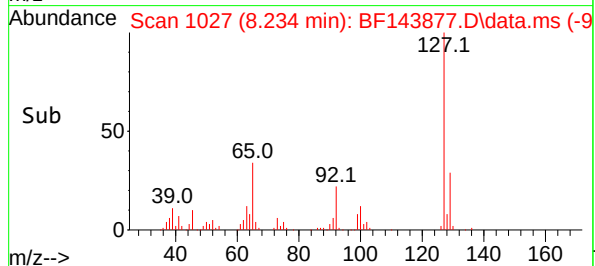
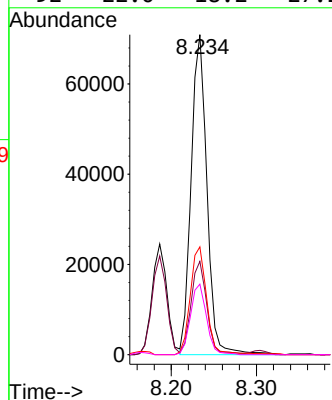
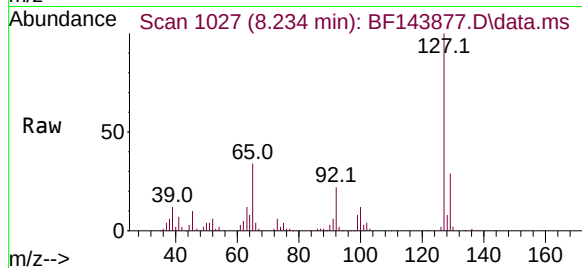
#33
4-Chloroaniline
Concen: 10.842 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

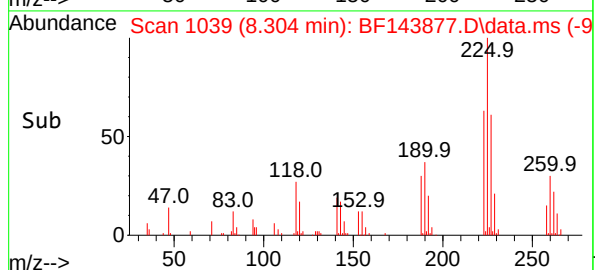
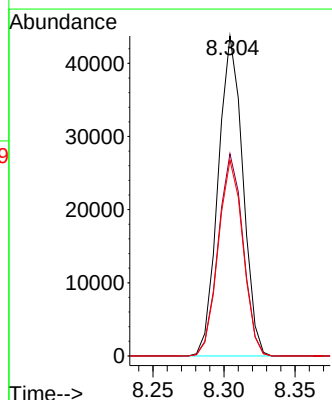
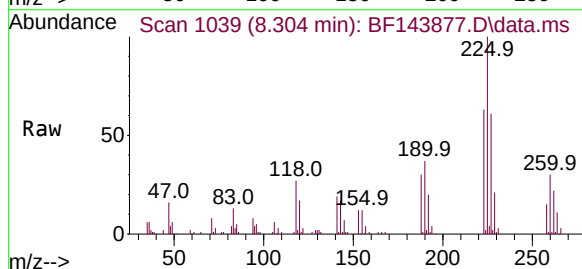
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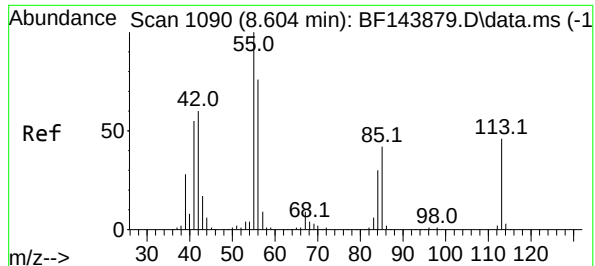
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





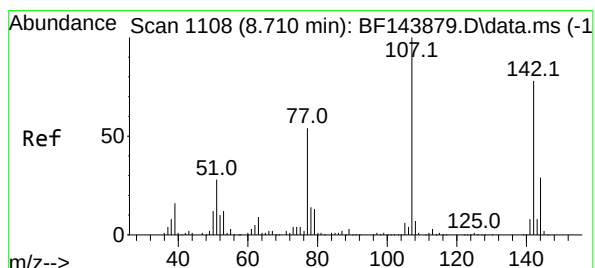
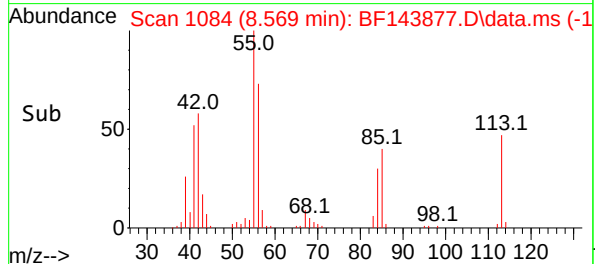
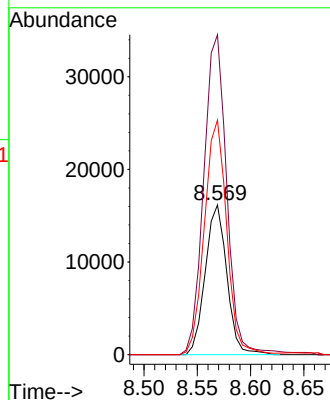
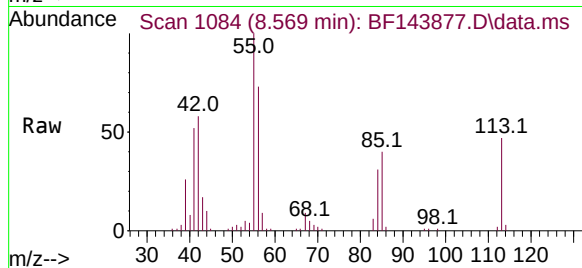
#35
Caprolactam
Concen: 9.900 ng
RT: 8.569 min Scan# 1084
Delta R.T. -0.076 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 22813
Ion Ratio Lower Upper
113 100
55 213.8 199.6 239.6
56 156.7 146.0 186.0

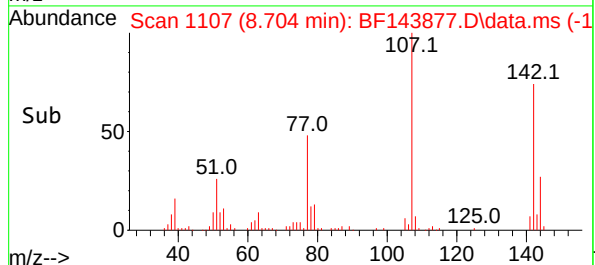
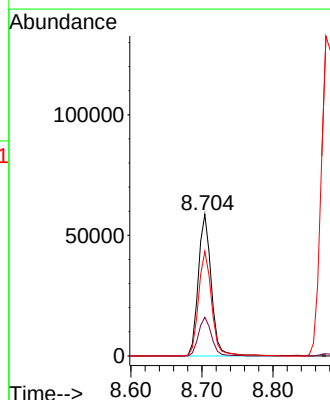
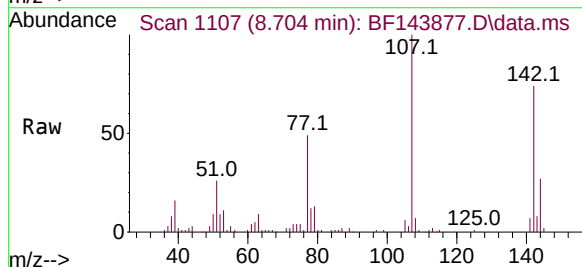
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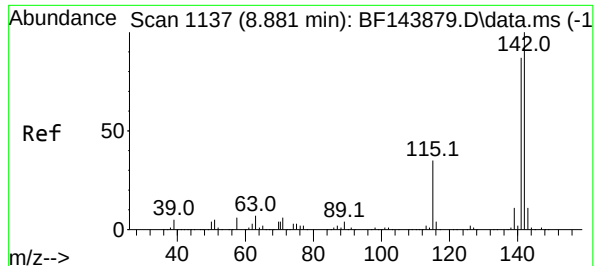
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1136

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 16858

Ion Ratio Lower Upper

142 100

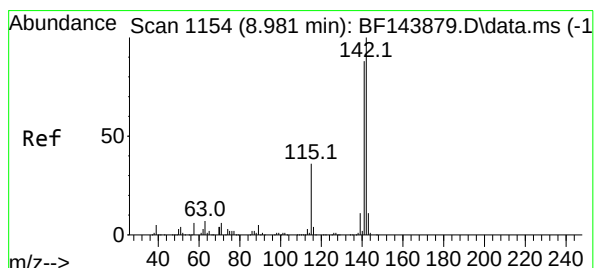
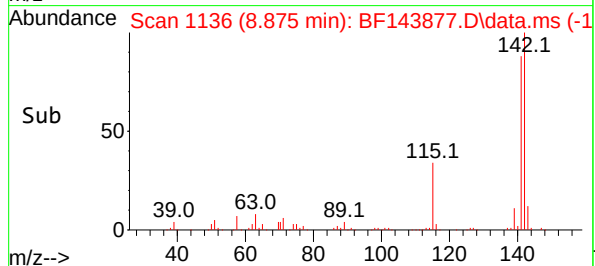
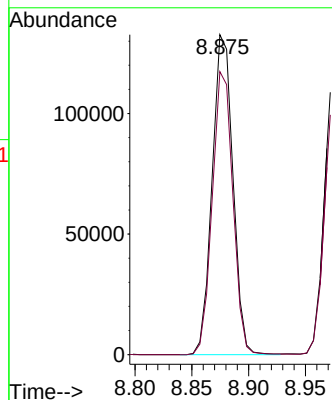
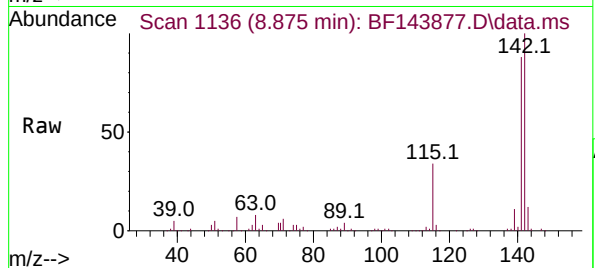
141 88.4 69.2 103.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 11.160 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF143877.D

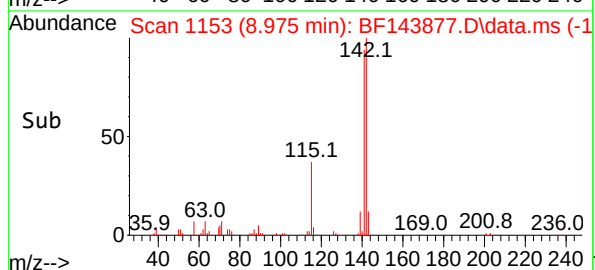
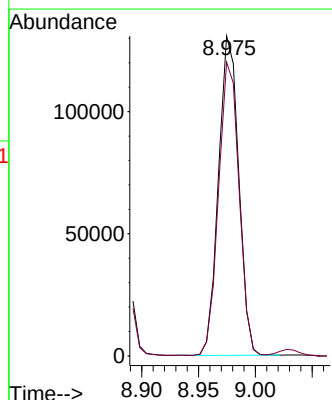
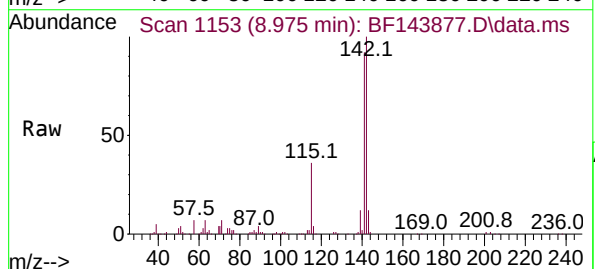
Acq: 06 Oct 2025 10:57

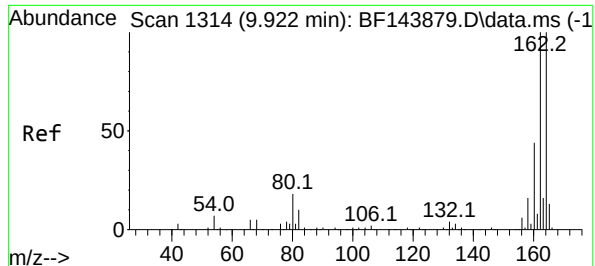
Tgt Ion:142 Resp: 161895

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# 1314

Delta R.T. -0.005 min

Lab File: BF143877.D

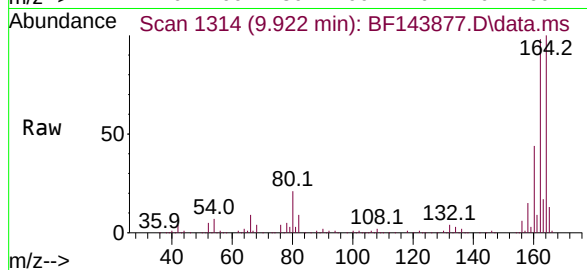
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 28382

Ion Ratio Lower Upper

164 100

162 97.5 80.2 120.2

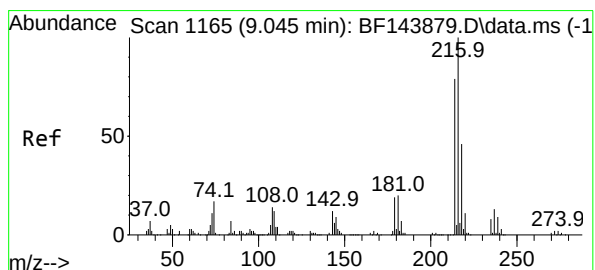
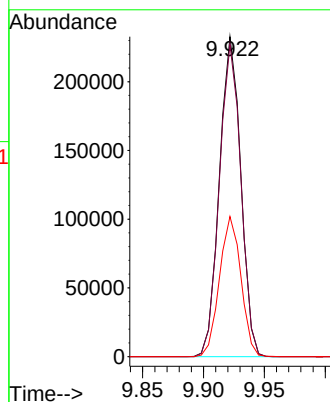
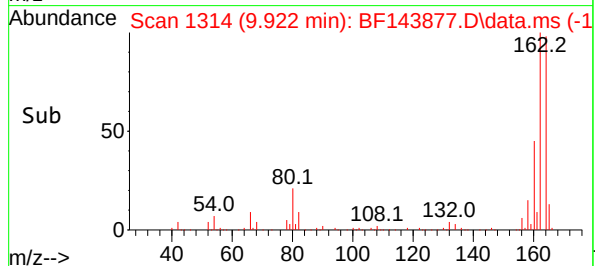
160 43.8 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

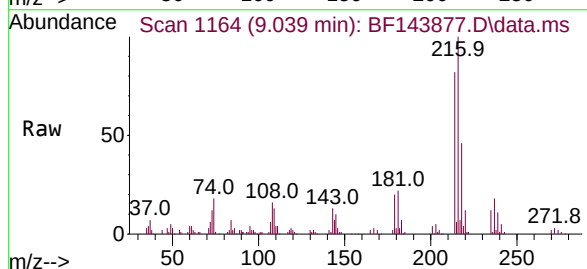
Concen: 10.705 ng

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

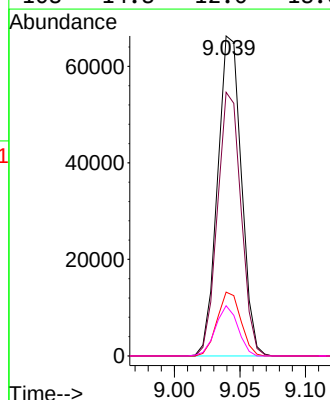
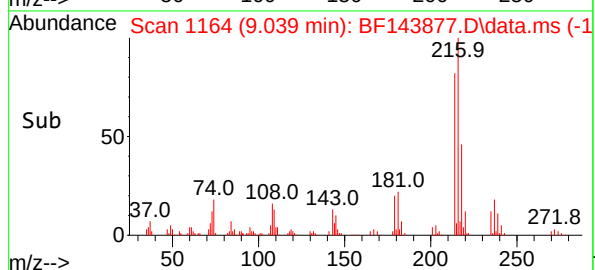
Ion Ratio Lower Upper

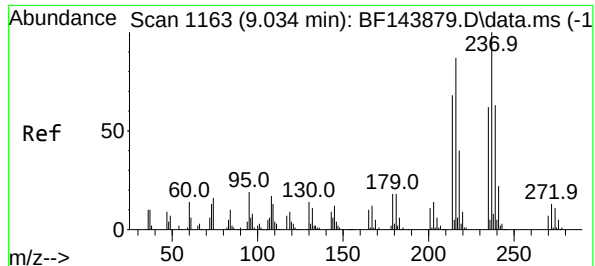
216 100

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# 1163

Delta R.T. 0.000 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

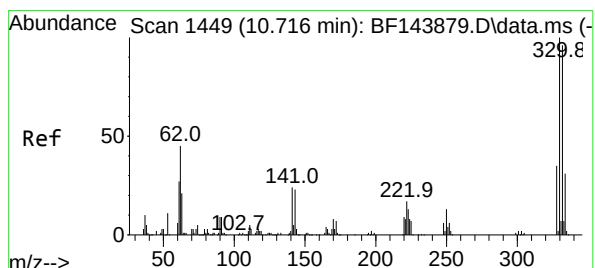
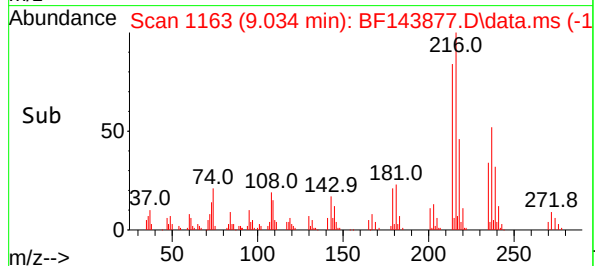
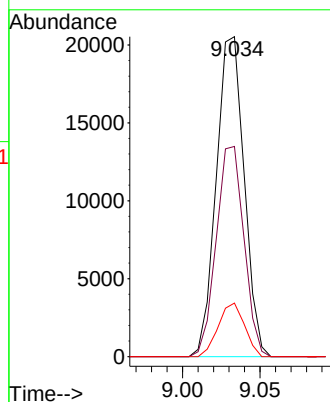
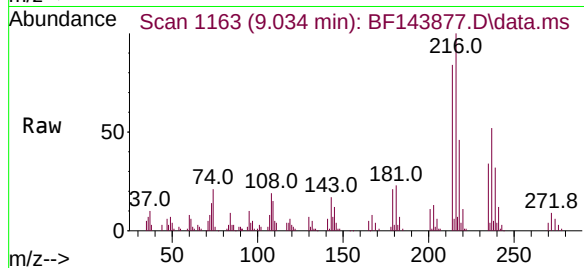
Tgt Ion:	237	Resp:	2581
Ion Ratio	Lower	Upper	
237	100		
235	65.7	42.3	82.3
272	16.7	0.0	33.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#42

2,4,6-Tribromophenol

Concen: 19.262 ng

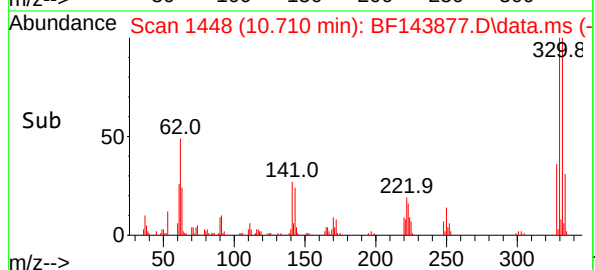
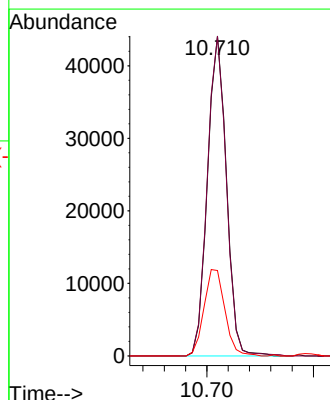
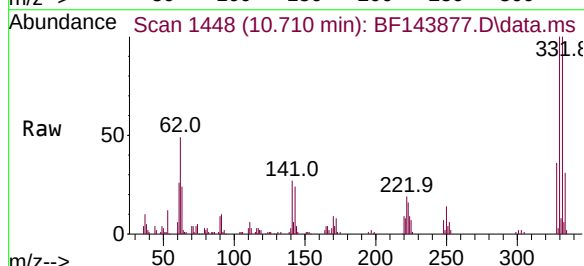
RT: 10.710 min Scan# 1448

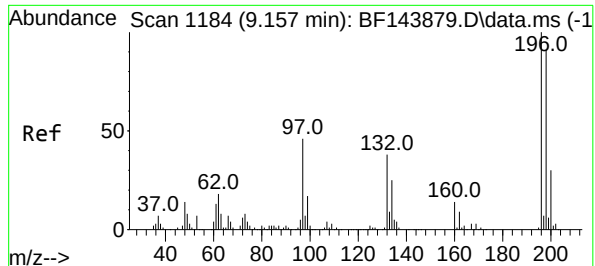
Delta R.T. -0.012 min

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# 1183

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

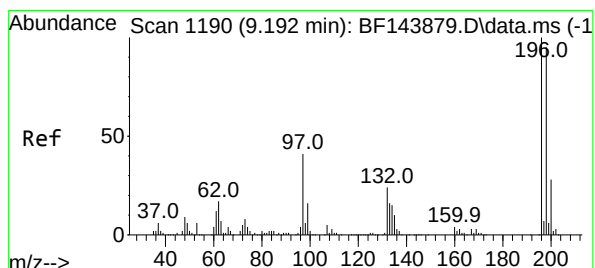
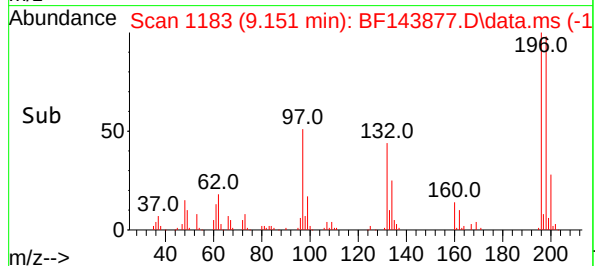
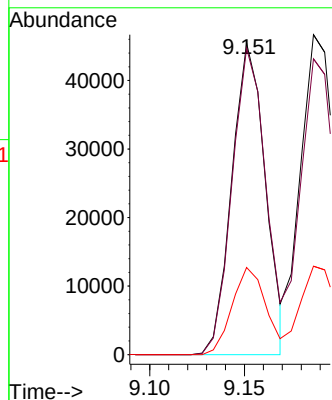
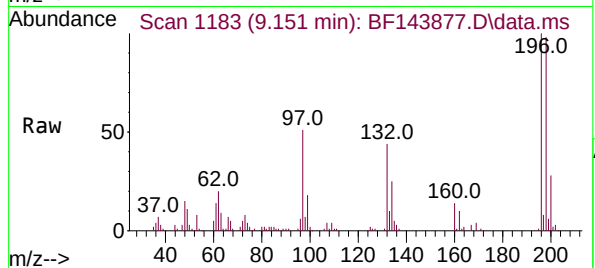
Tgt Ion:	196	Resp:	55929
Ion Ratio	Lower	Upper	
196	100		
198	98.4	72.8	109.2
200	28.0	24.0	36.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

Concen: 10.407 ng

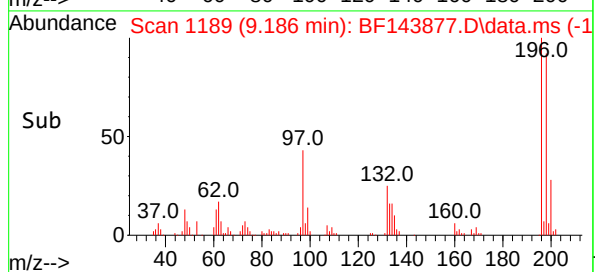
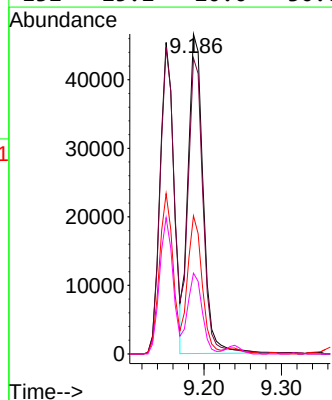
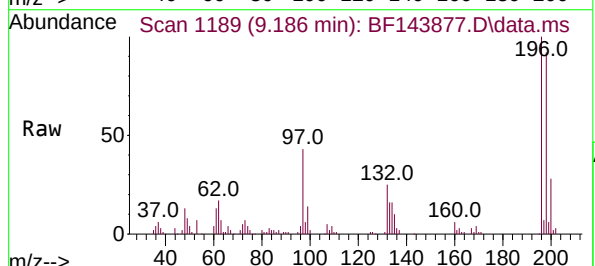
RT: 9.186 min Scan# 1189

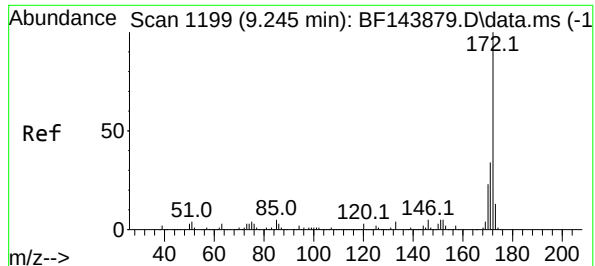
Delta R.T. -0.018 min

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 404164

Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

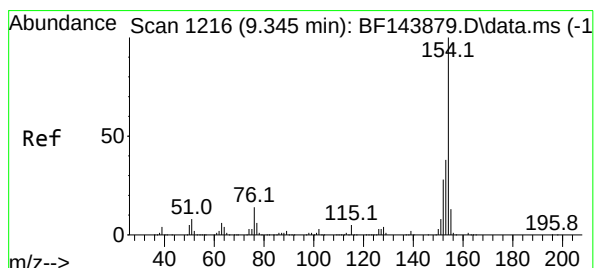
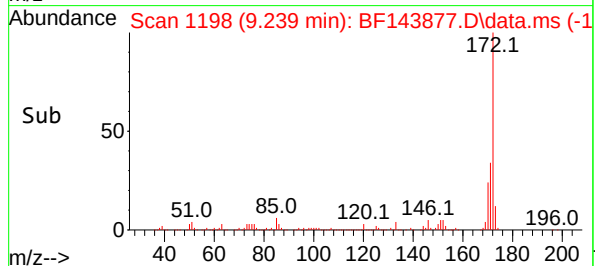
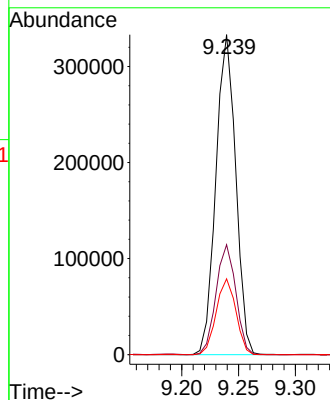
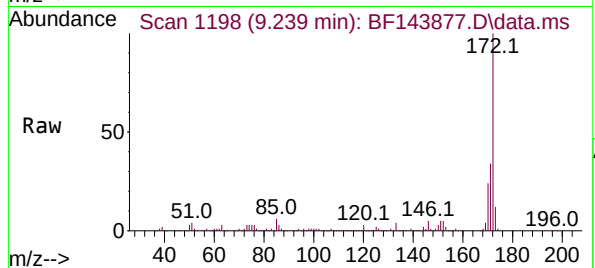
170 23.7 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

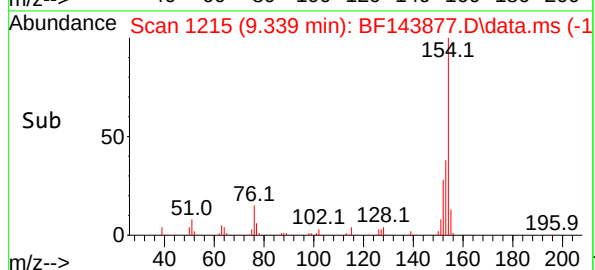
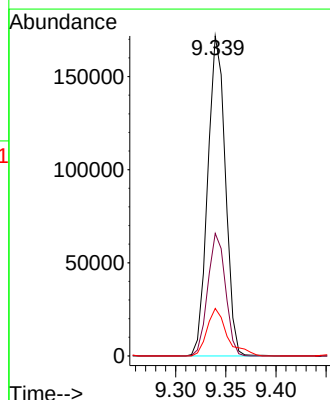
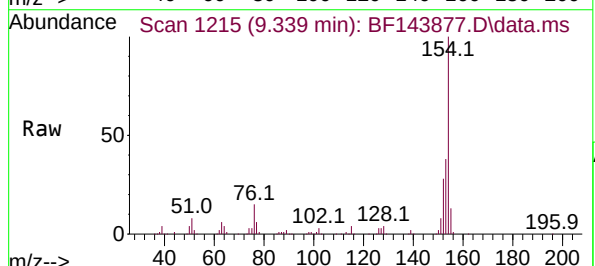
Tgt Ion:154 Resp: 209528

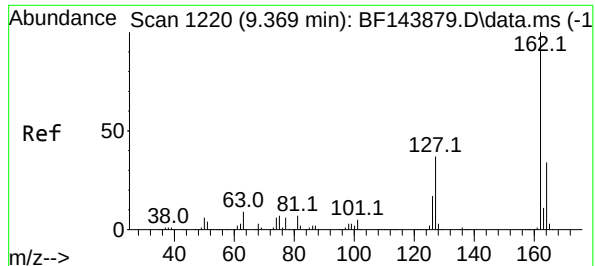
Ion Ratio Lower Upper

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# 1219

Delta R.T. -0.012 min

Lab File: BF143877.D

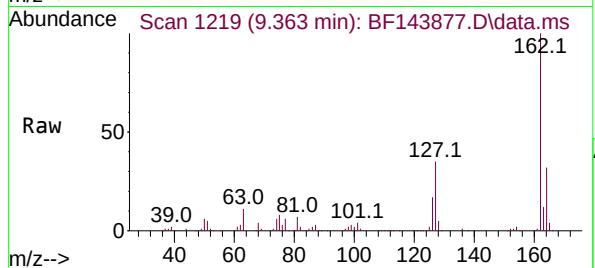
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 169672

Ion Ratio Lower Upper

162 100

127 35.1 30.2 45.2

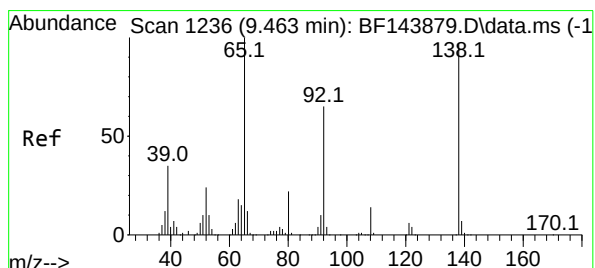
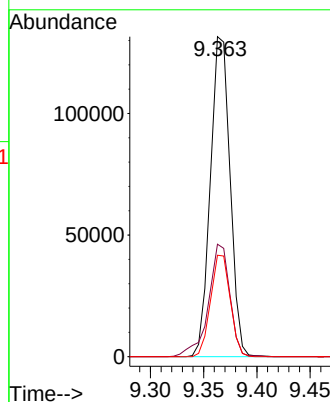
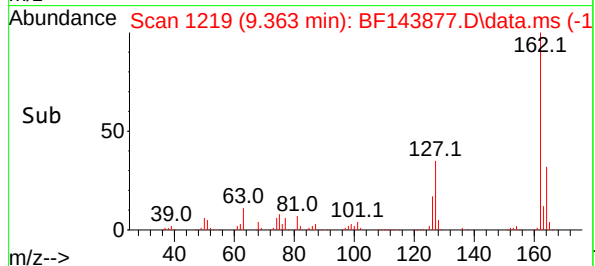
164 31.7 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#48

2-Nitroaniline

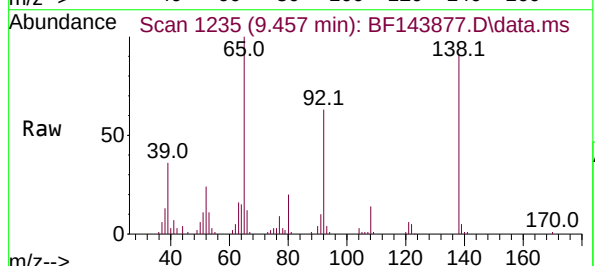
Concen: 9.219 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57



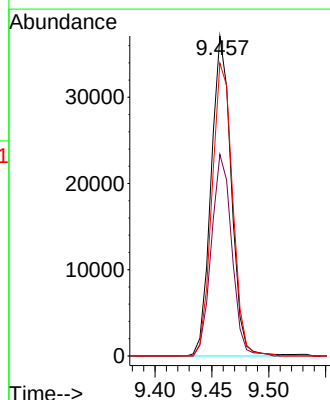
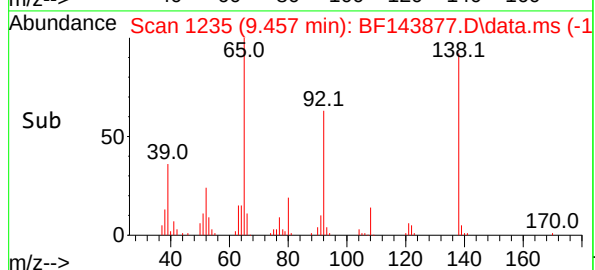
Tgt Ion: 65 Resp: 45663

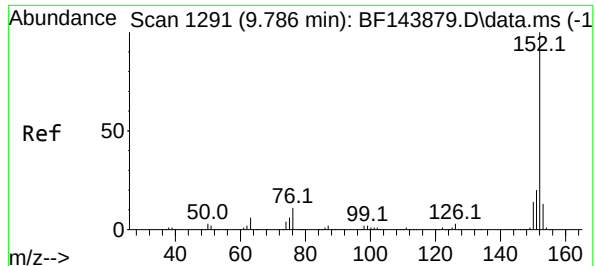
Ion Ratio Lower Upper

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# 1290

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

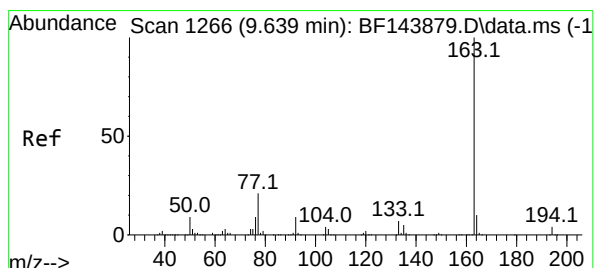
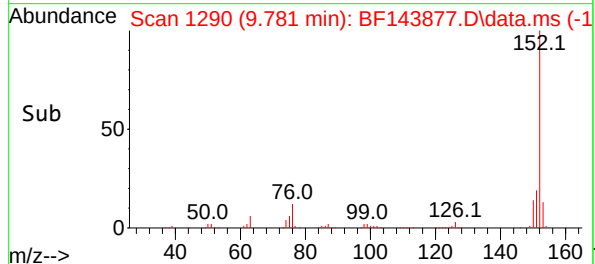
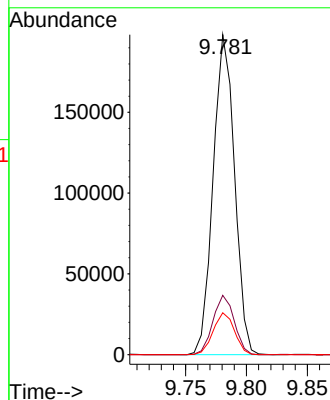
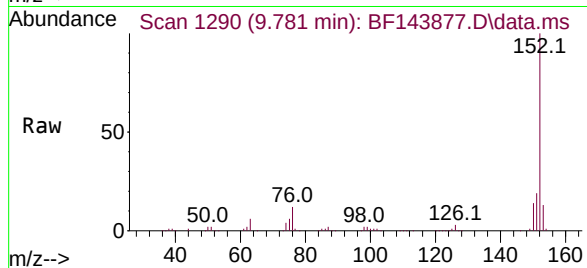
Tgt Ion	152	151	153
Ratio	100	18.5	13.1
Lower		15.8	10.5
Upper		23.6	15.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

Concen: 10.638 ng

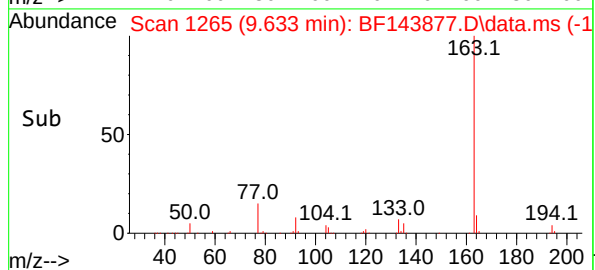
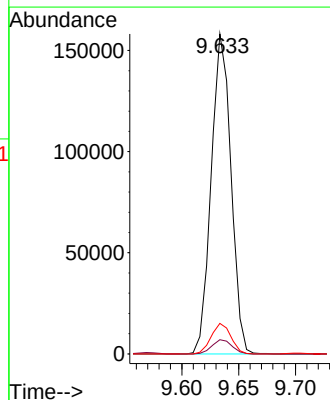
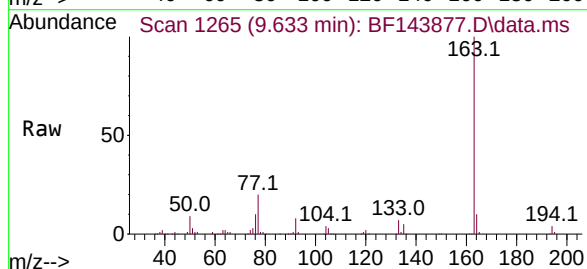
RT: 9.633 min Scan# 1265

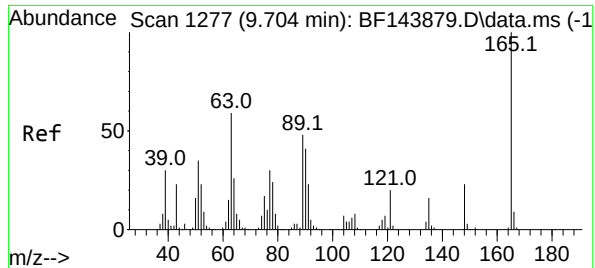
Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

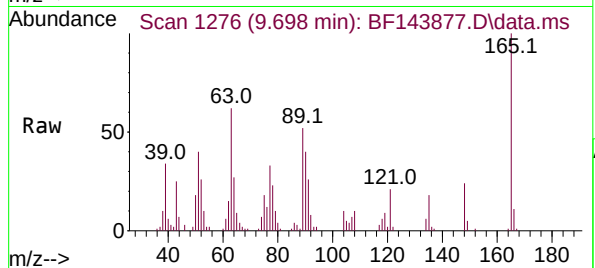
Tgt Ion	163	194	164
Ratio	100	4.4	9.5
Lower		3.3	8.1
Upper		4.9	12.1





#51
2,6-Dinitrotoluene
Concen: 8.655 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

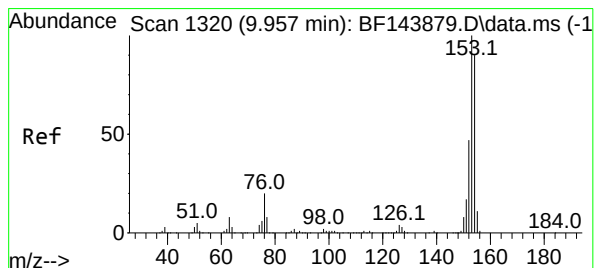
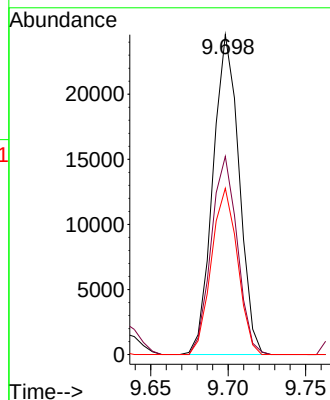
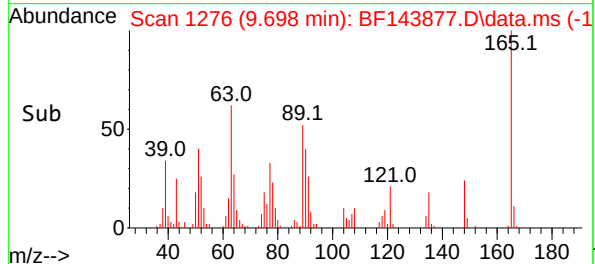
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 28928
Ion Ratio Lower Upper
165 100
63 61.9 47.3 70.9
89 52.0 38.2 57.4

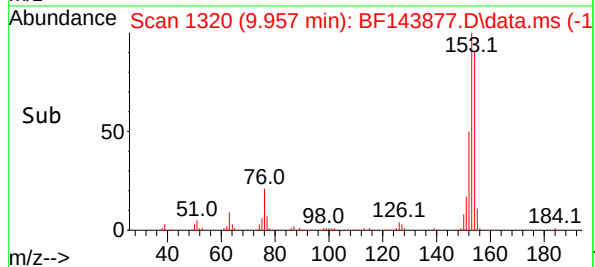
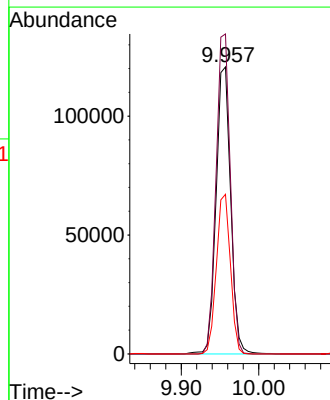
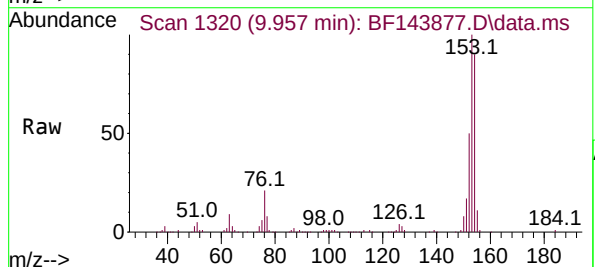
Manual Integrations
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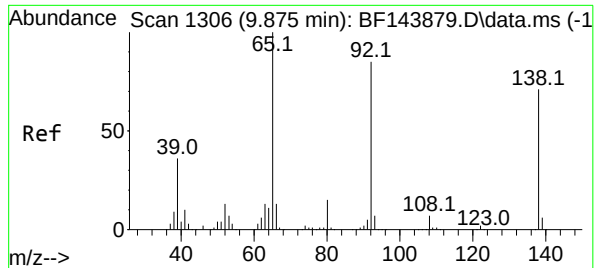
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

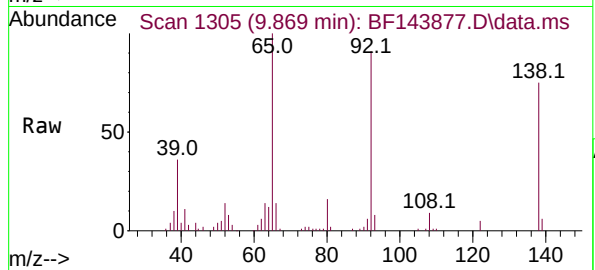
Tgt Ion:154 Resp: 158214
Ion Ratio Lower Upper
154 100
153 111.5 89.3 133.9
152 55.6 42.2 63.2





#53
3-Nitroaniline
Concen: 9.380 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

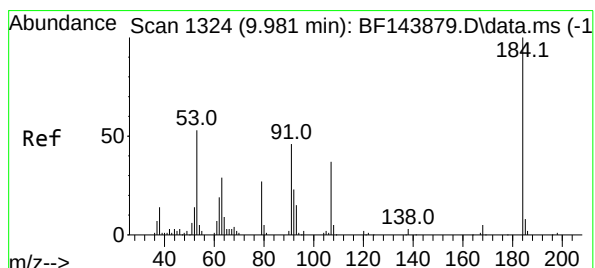
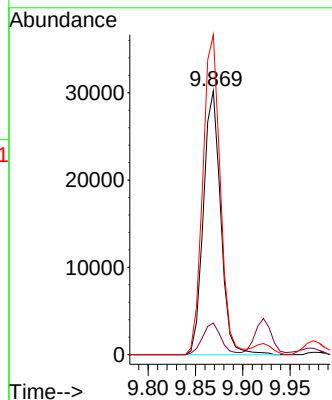
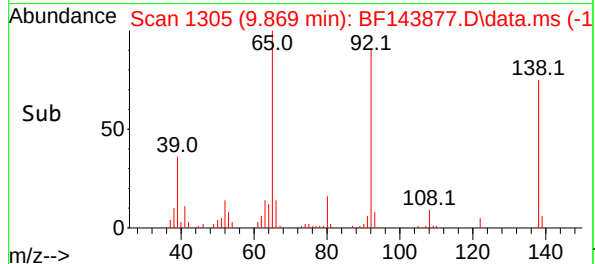
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 38386
Ion Ratio Lower Upper
138 100
108 12.0 8.3 12.5
92 121.4 96.2 144.2

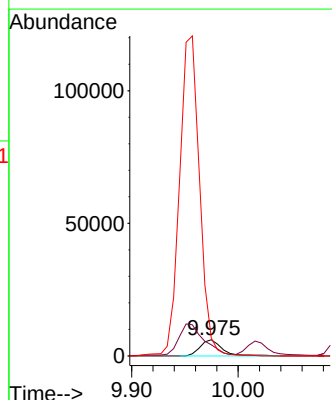
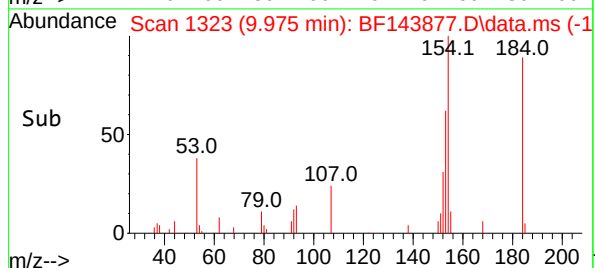
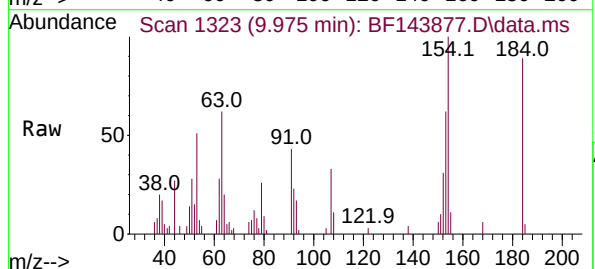
Manual Integrations
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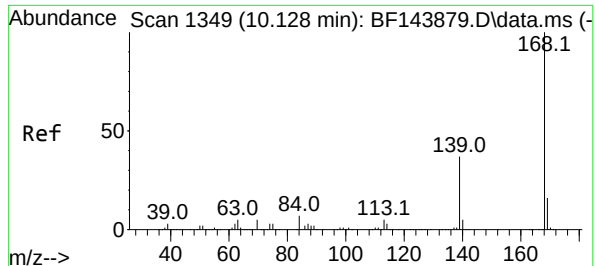
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

Dibenzenofuran

Concen: 11.199 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143877.D

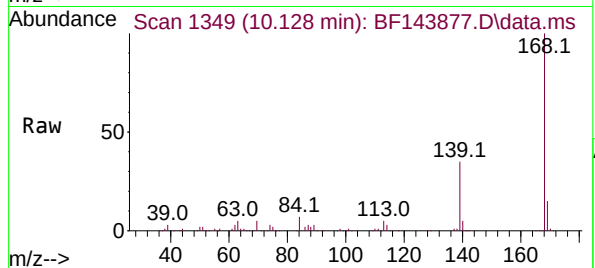
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:168 Resp: 228160

Ion Ratio Lower Upper

168 100

139 35.0 29.8 44.8

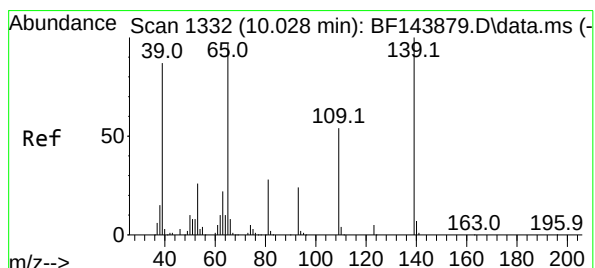
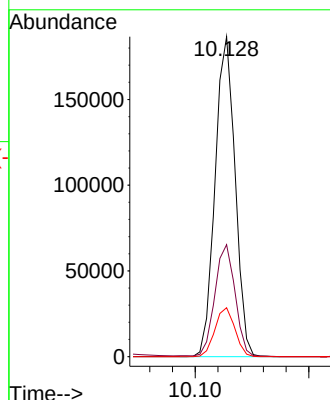
169 15.3 12.8 19.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#56

4-Nitrophenol

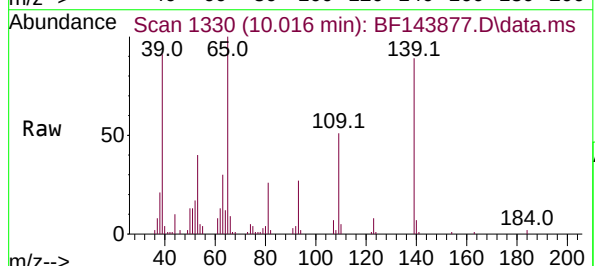
Concen: 7.934 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.023 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57



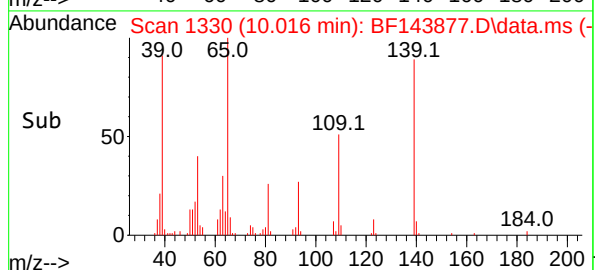
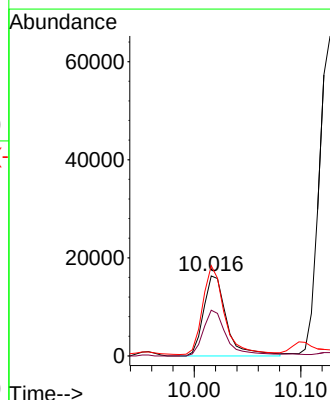
Tgt Ion:139 Resp: 24585

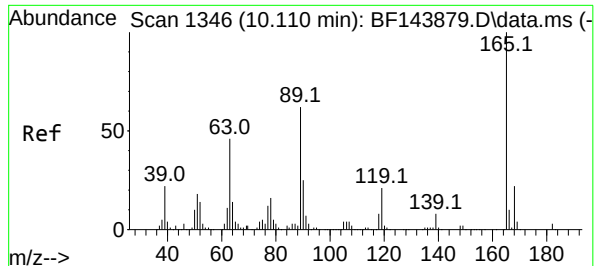
Ion Ratio Lower Upper

139 100

109 57.1 34.5 74.5

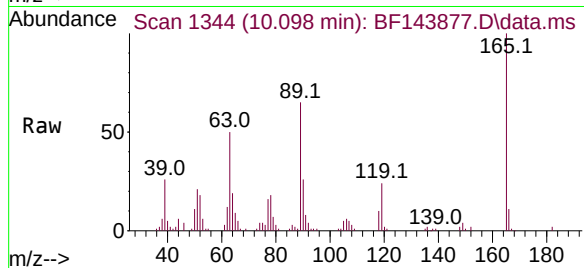
65 112.8 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

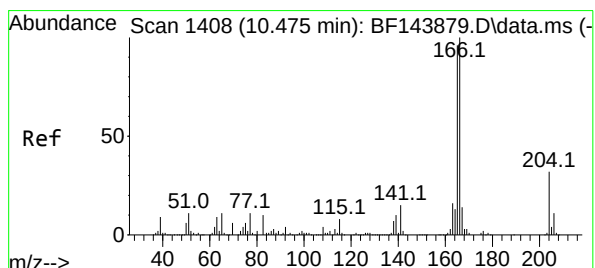
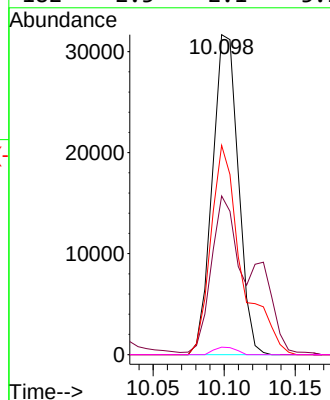
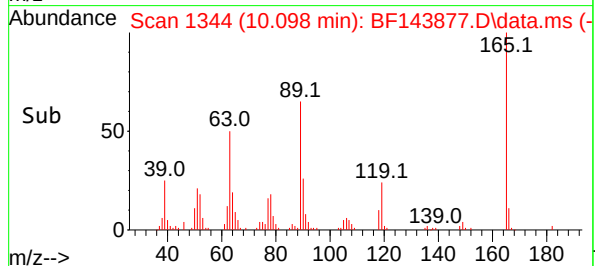
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 40299
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

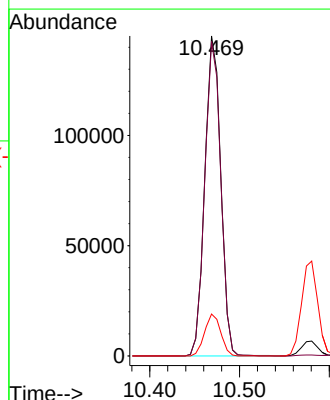
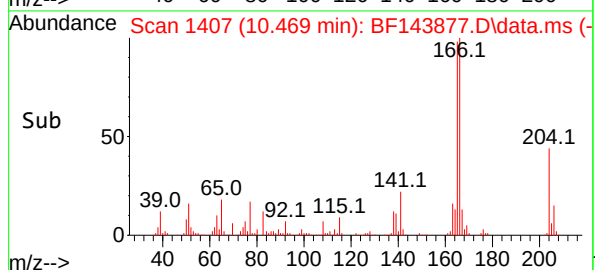
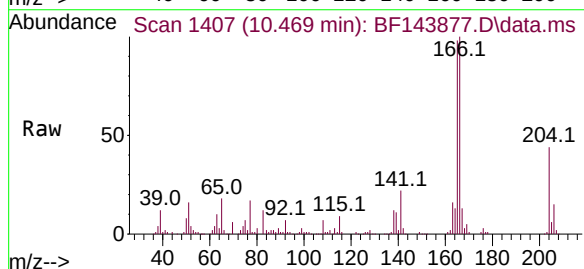
Manual Integrations
APPROVED

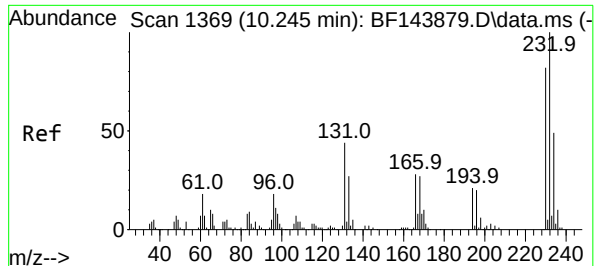
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





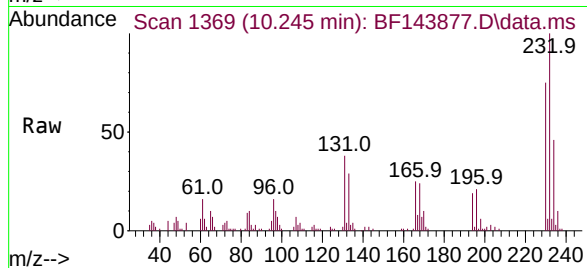
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.041 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

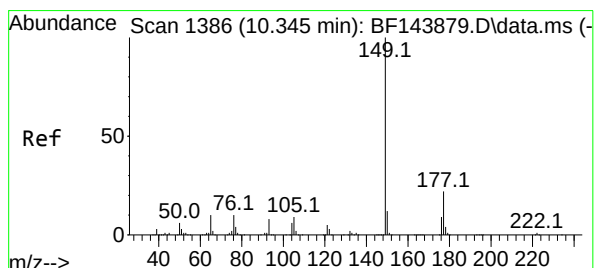
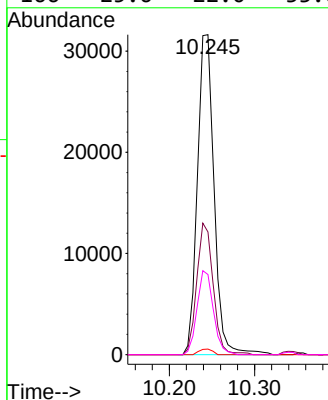
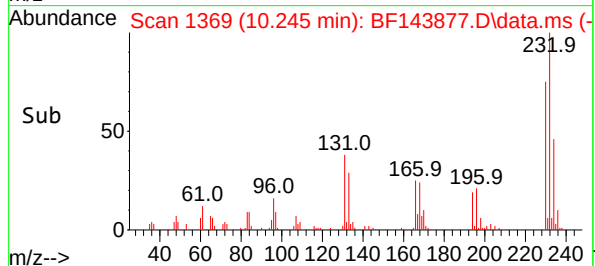
SSTDICC010



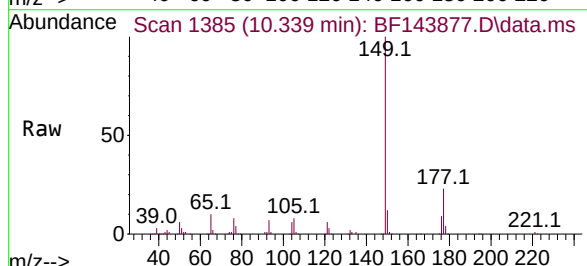
Tgt Ion:232 Resp: 43052
Ion Ratio Lower Upper
232 100
131 40.3 34.9 52.3
130 1.4 1.6 2.4
166 25.6 22.0 33.0

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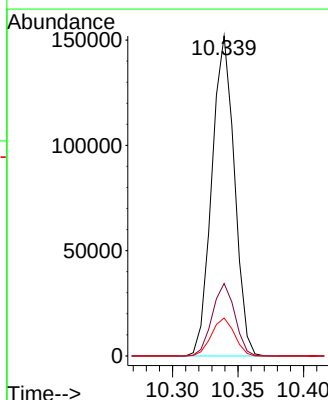
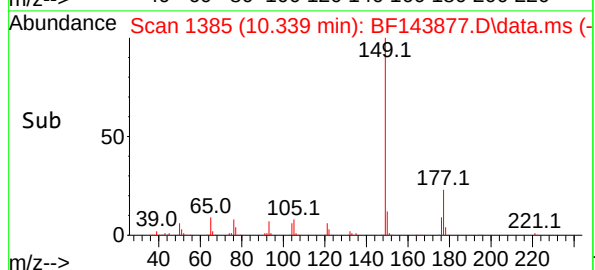
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

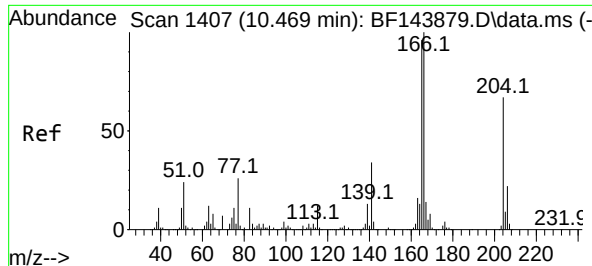


#60
Diethylphthalate
Concen: 10.860 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



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





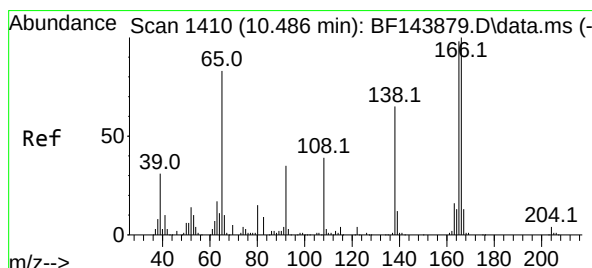
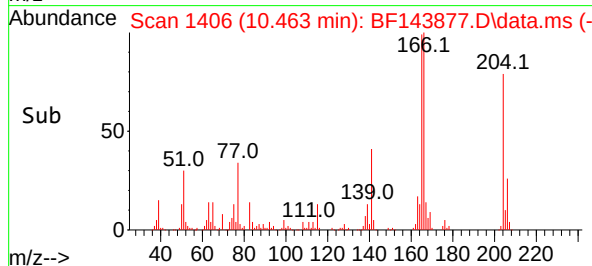
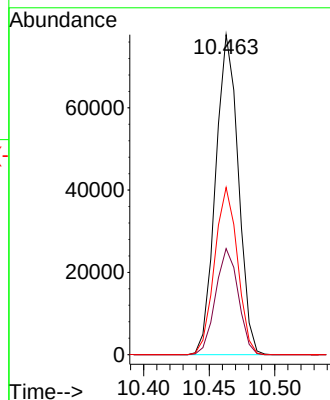
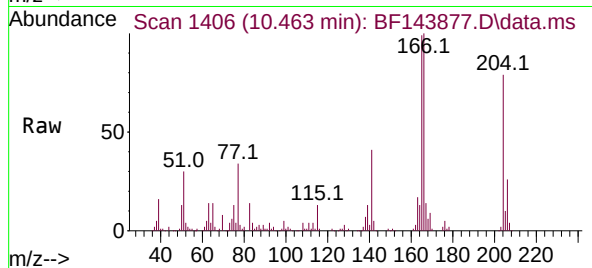
#61
4-Chlorophenyl-phenylether
Concen: 11.565 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 94000
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 52.2 40.4 60.6

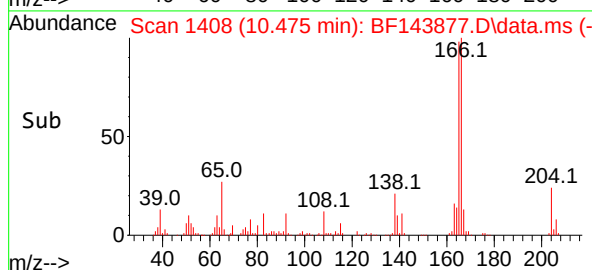
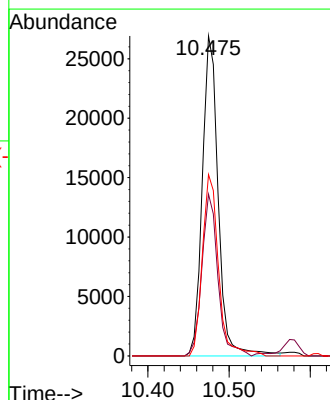
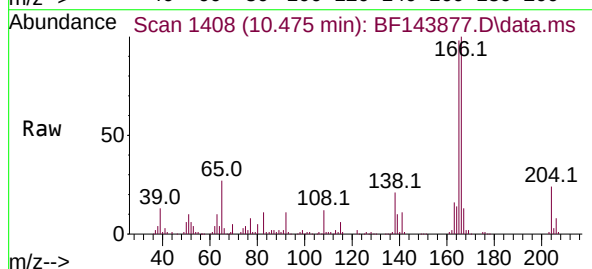
Manual Integrations
APPROVED

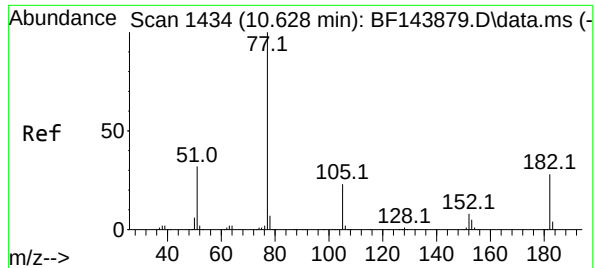
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





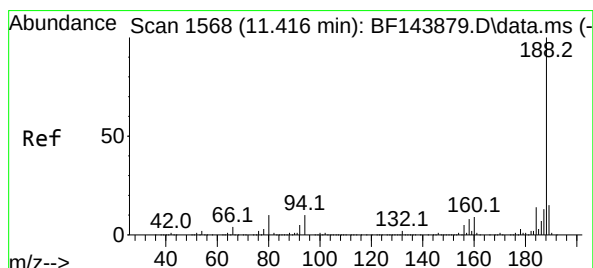
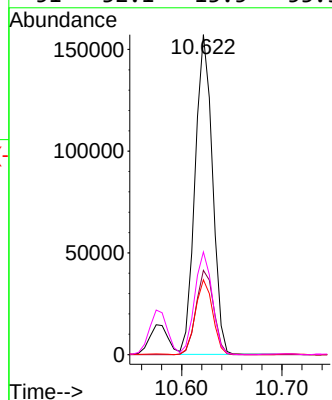
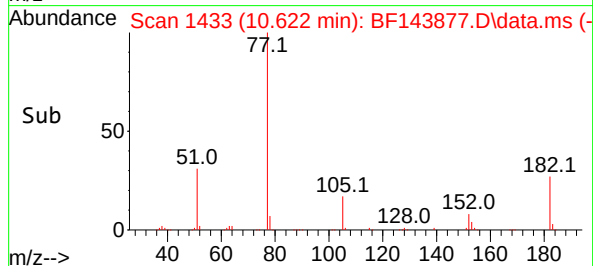
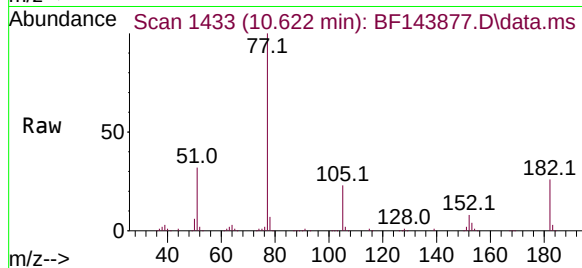
#63
Azobenzene
Concen: 10.794 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

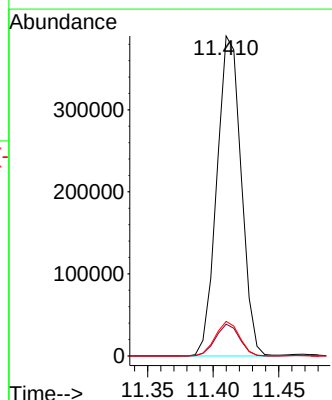
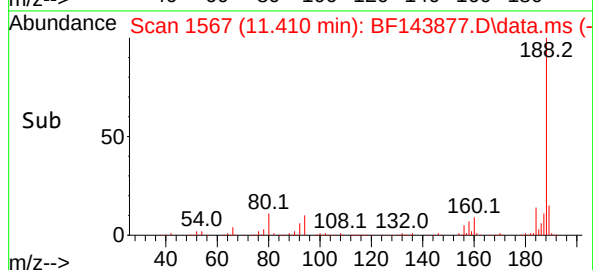
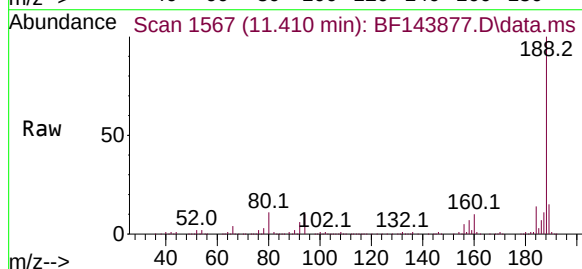
Manual Integrations
APPROVED

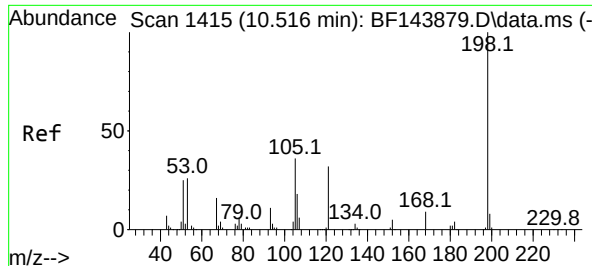
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





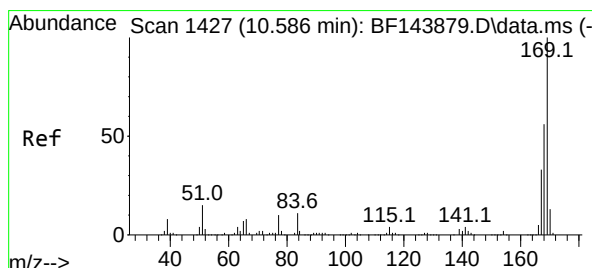
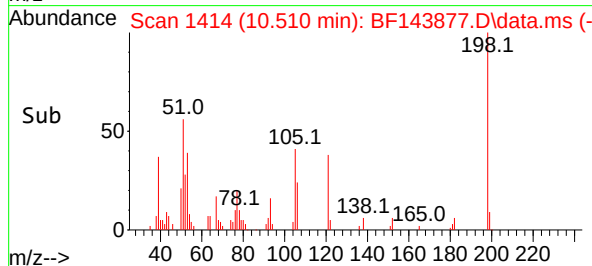
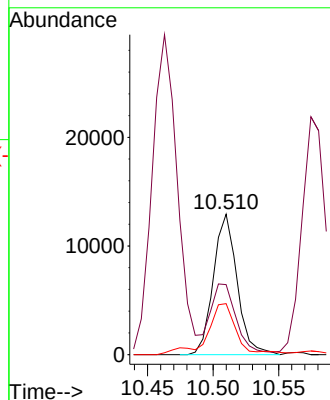
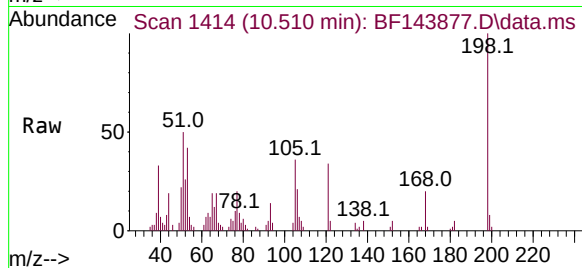
#65
4,6-Dinitro-2-methylphenol
Concen: 6.421 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 16274
Ion Ratio Lower Upper
198 100
51 49.9 33.8 73.8
105 36.3 17.0 57.0

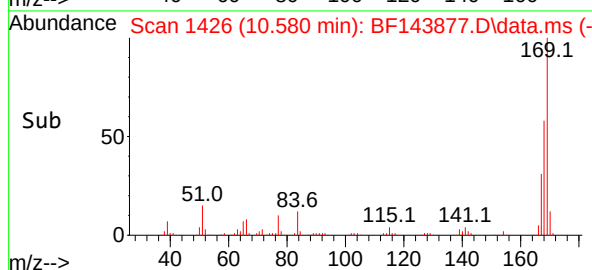
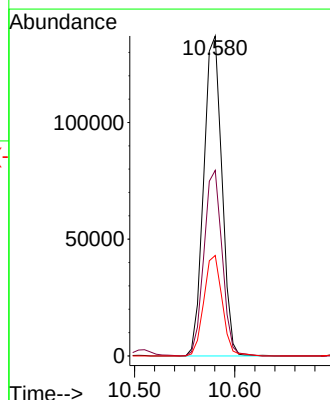
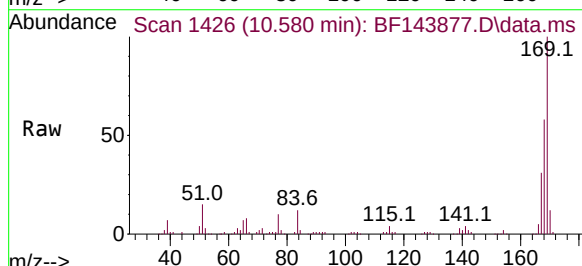
Manual Integrations
APPROVED

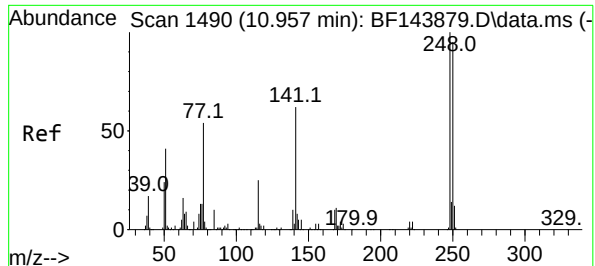
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

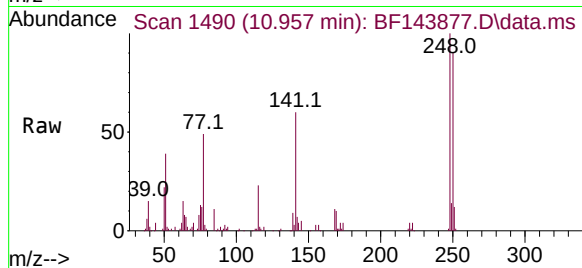
Tgt Ion:169 Resp: 172118
Ion Ratio Lower Upper
169 100
168 58.0 44.9 67.3
167 31.4 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 10.581 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

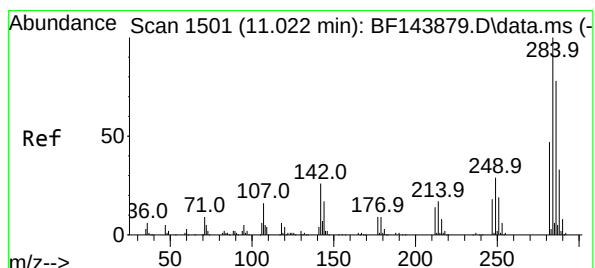
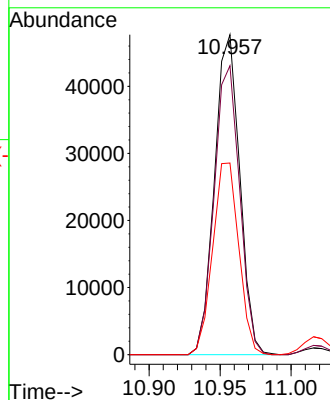
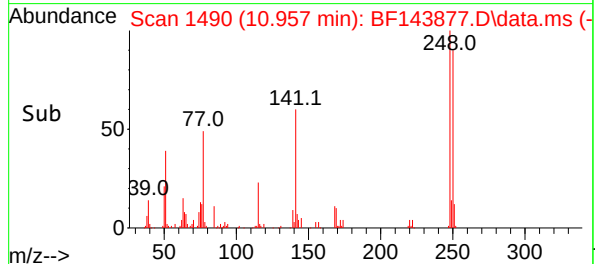
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



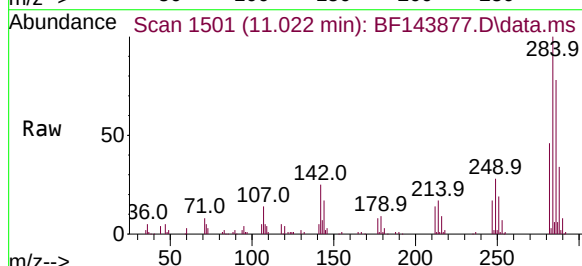
Tgt Ion:248 Resp: 58980
Ion Ratio Lower Upper
248 100
250 90.3 76.3 114.5
141 59.9 49.7 74.5

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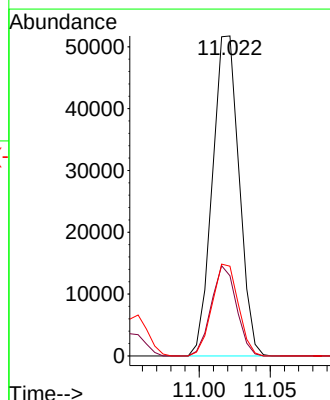
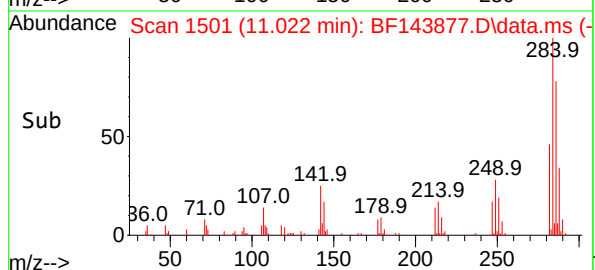
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

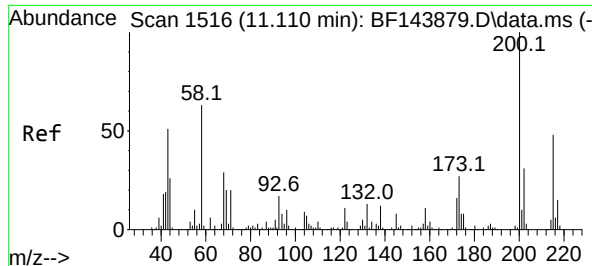


#68
Hexachlorobenzene
Concen: 10.459 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



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# 1515

Delta R.T. -0.018 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 52016

Ion Ratio Lower Upper

200 100

173 28.2 7.0 47.0

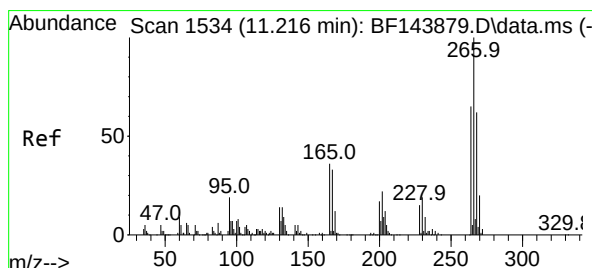
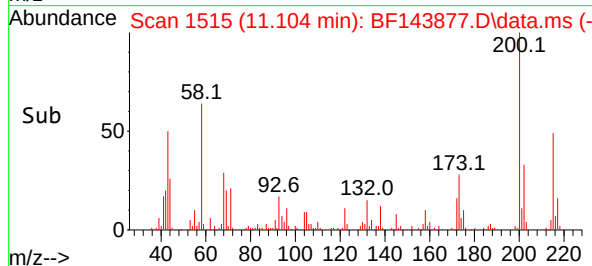
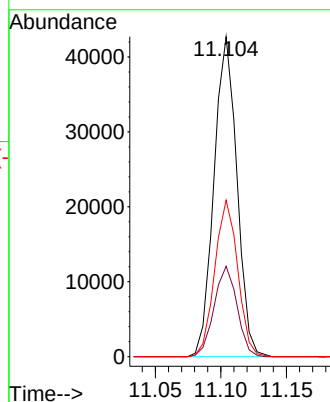
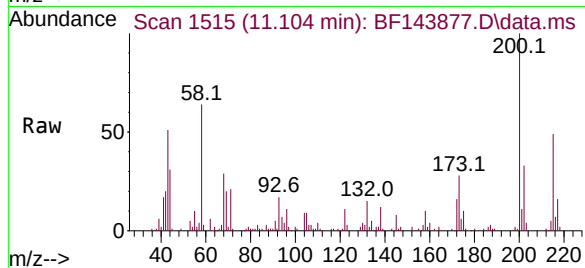
215 48.9 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

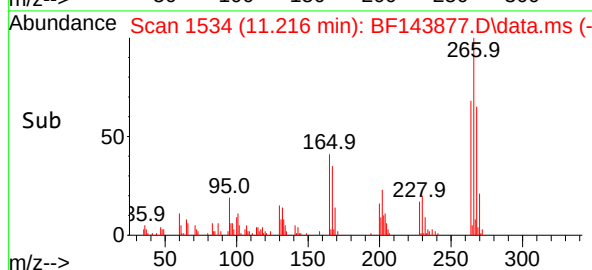
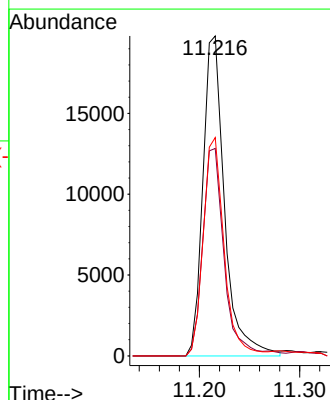
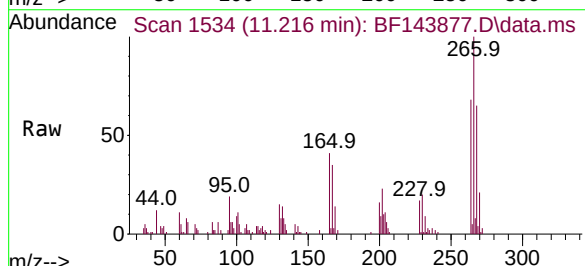
Tgt Ion:266 Resp: 29608

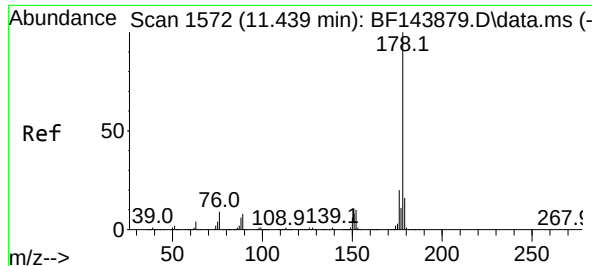
Ion Ratio Lower Upper

266 100

268 64.8 49.4 74.0

264 68.2 51.8 77.6





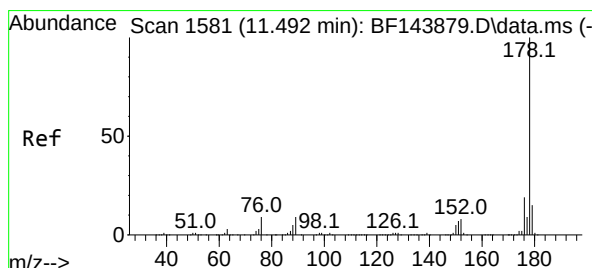
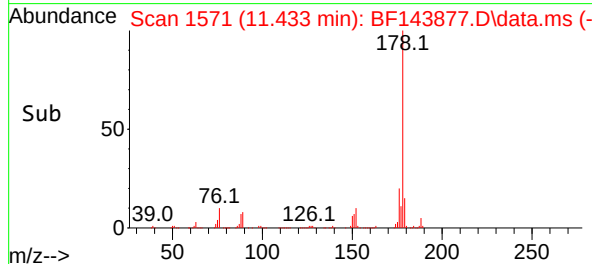
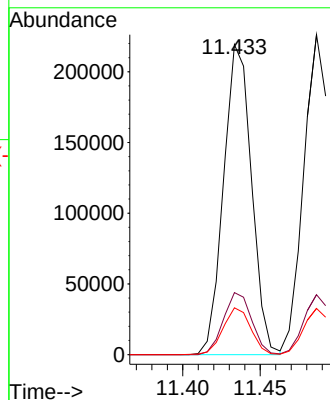
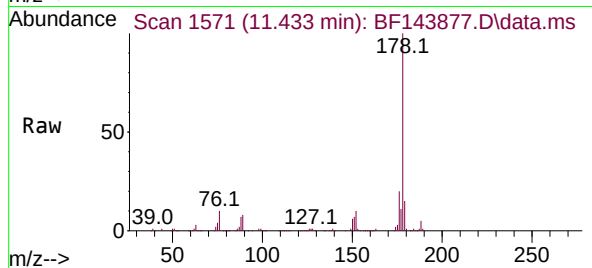
#71
Phenanthrene
Concen: 11.267 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 275484
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.1 12.4 18.6

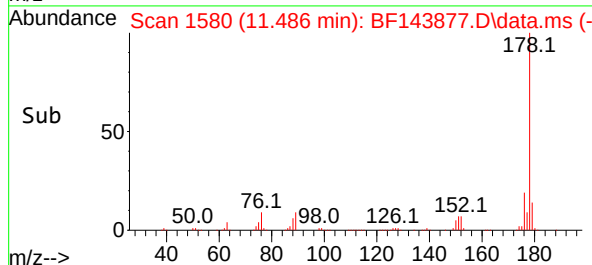
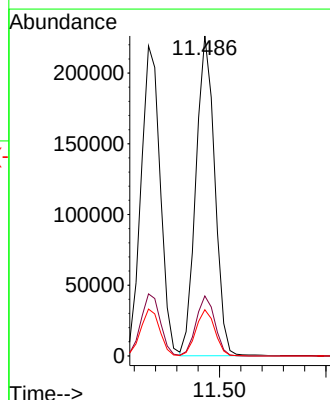
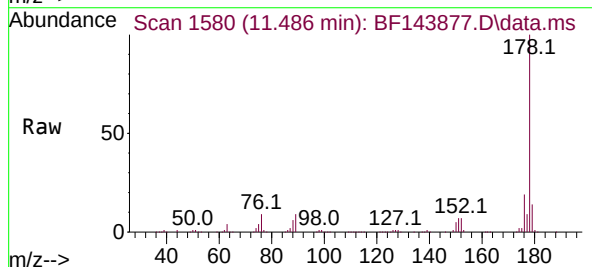
Manual Integrations
APPROVED

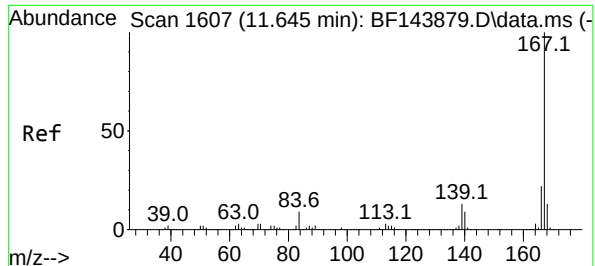
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

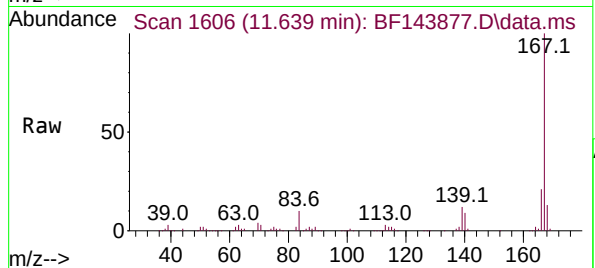
Tgt Ion:178 Resp: 276694
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 14.4 12.2 18.2





#73
Carbazole
Concen: 11.086 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

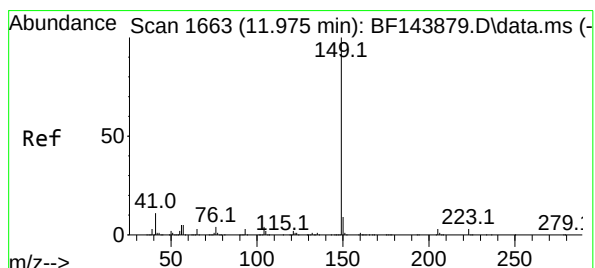
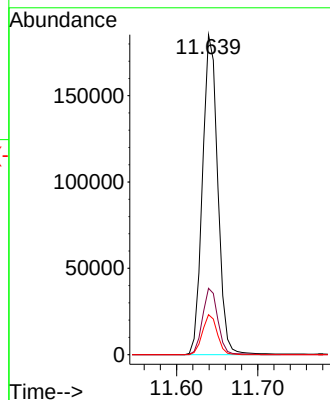
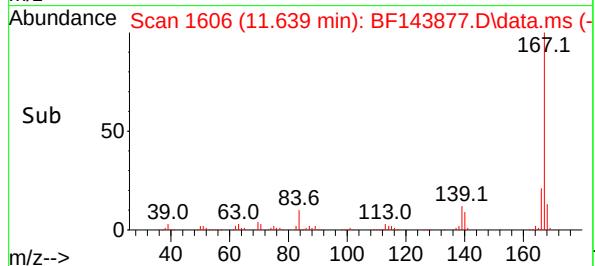
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



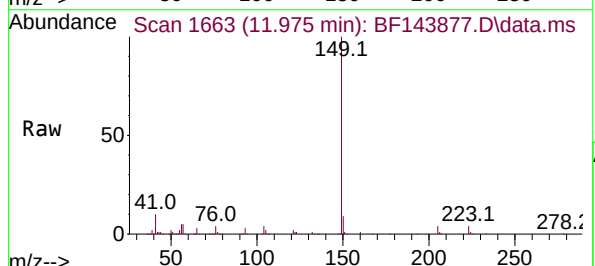
Tgt Ion:167 Resp: 242534
Ion Ratio Lower Upper
167 100
166 20.7 17.2 25.8
139 12.5 10.1 15.1

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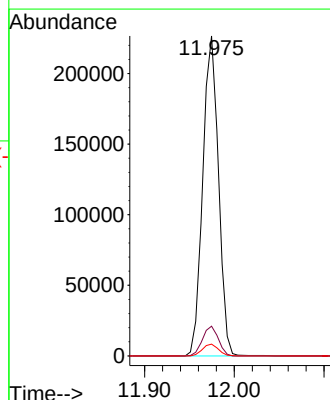
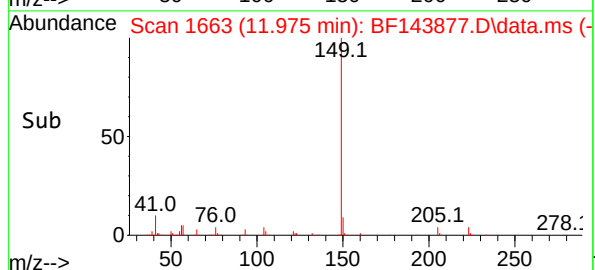
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

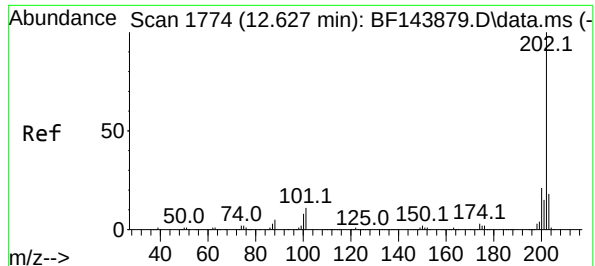


#74
Di-n-butylphthalate
Concen: 10.879 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



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# 11

Delta R.T. -0.006 min

Lab File: BF143877.D

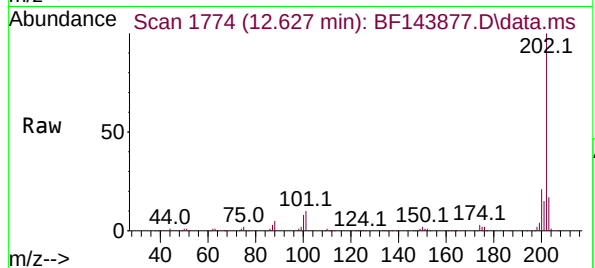
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

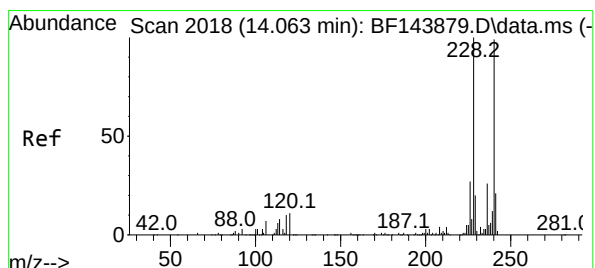
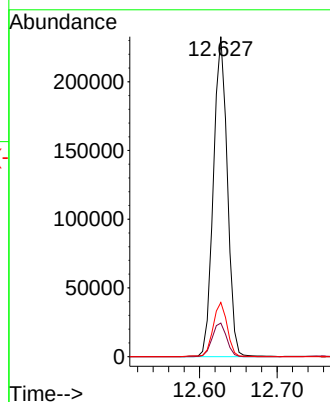
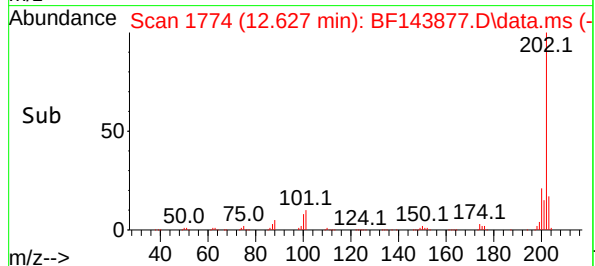


Tgt Ion:	202	Resp:	290713
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.7
203	16.9	0.0	37.8

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#76

Chrysene-d12

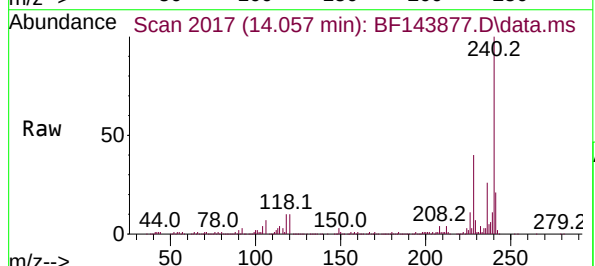
Concen: 20.000 ng

RT: 14.057 min Scan# 2017

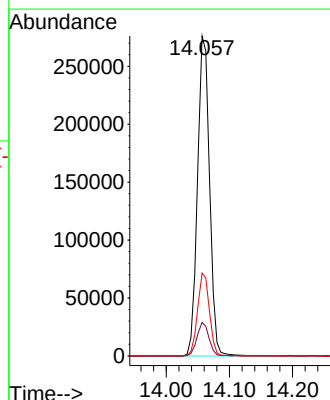
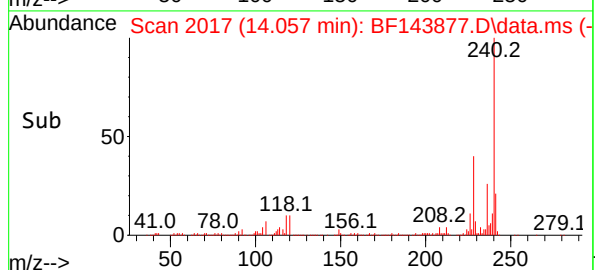
Delta R.T. -0.011 min

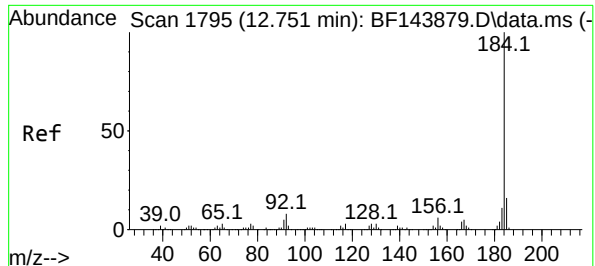
Lab File: BF143877.D

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# 11

Delta R.T. -0.006 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

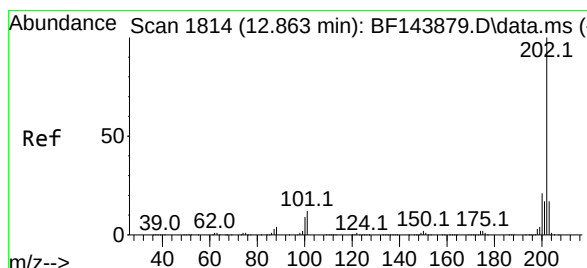
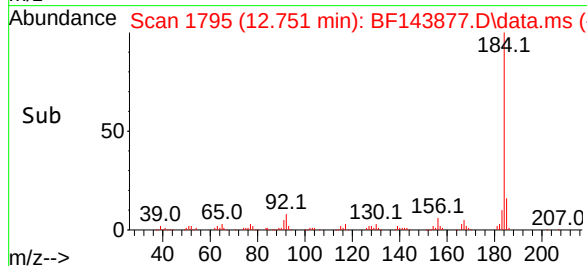
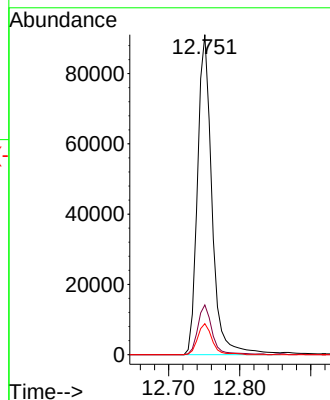
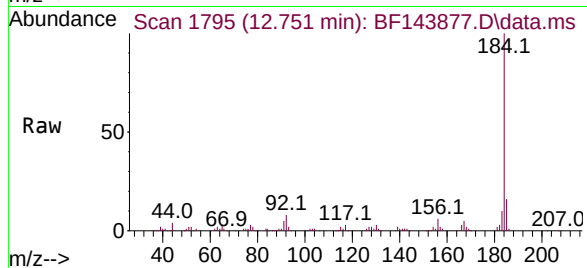
SSTDICC010

Tgt Ion:184 Resp: 128424
Ion Ratio Lower Upper
184 100
185 15.5 12.6 18.8
183 9.7 8.8 13.2

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

Concen: 9.975 ng

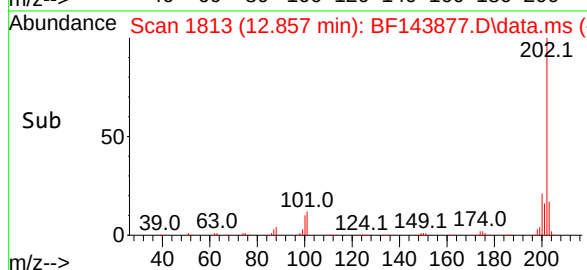
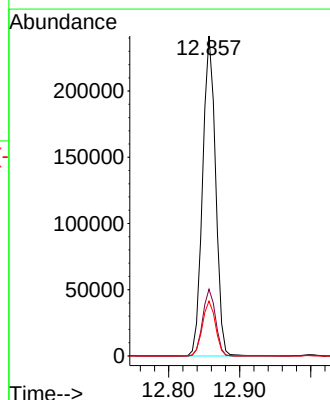
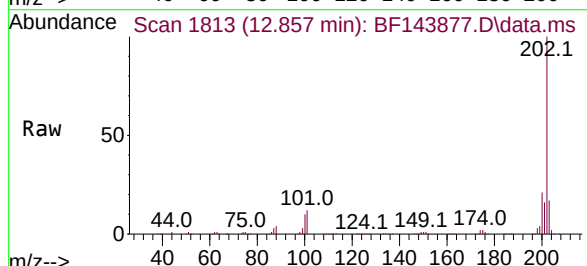
RT: 12.857 min Scan# 1813

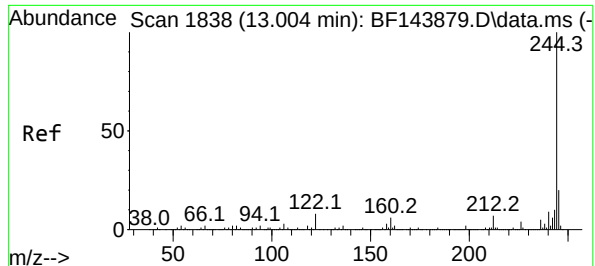
Delta R.T. -0.006 min

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# 1838

Delta R.T. -0.012 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 442968

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

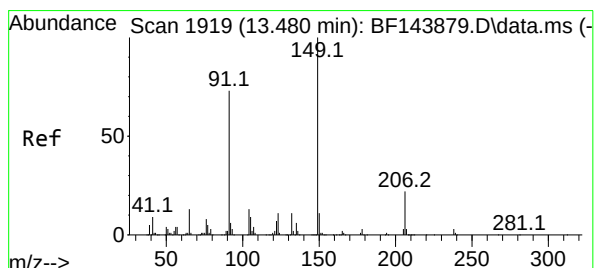
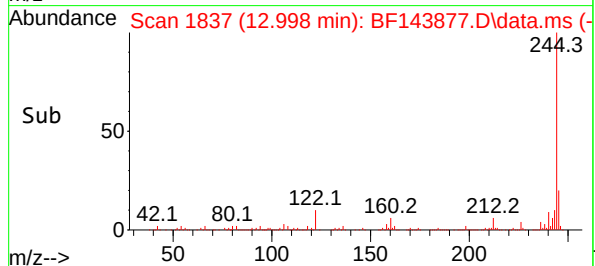
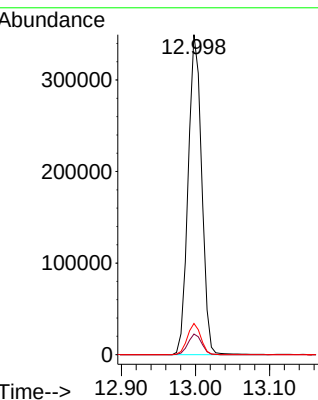
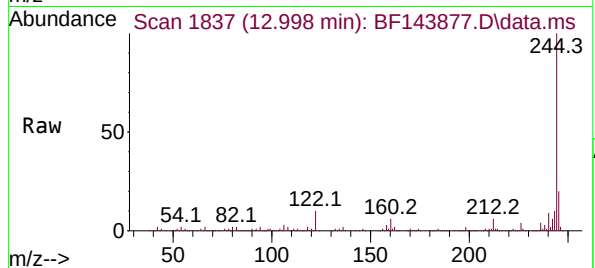
122 9.7 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

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

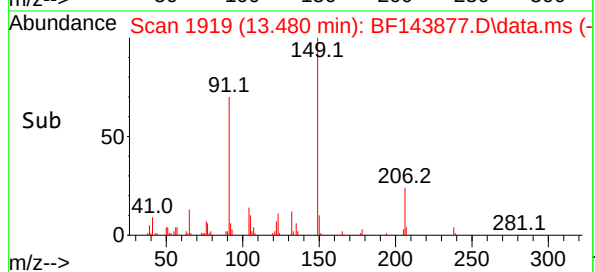
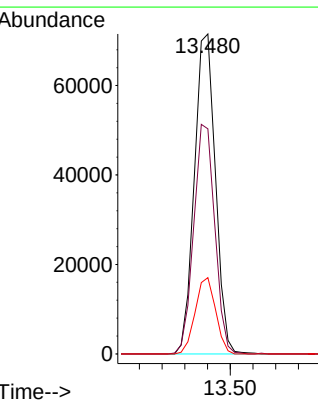
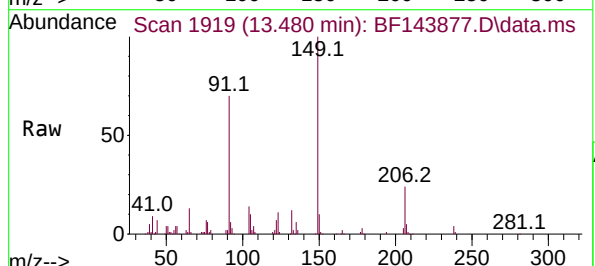
Tgt Ion:149 Resp: 92241

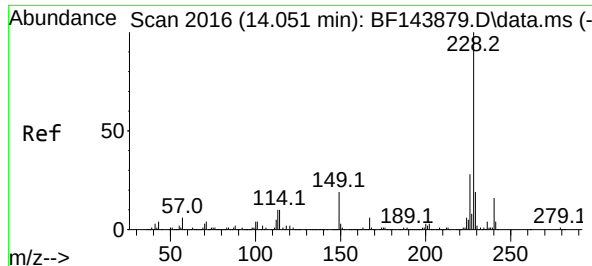
Ion Ratio Lower Upper

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

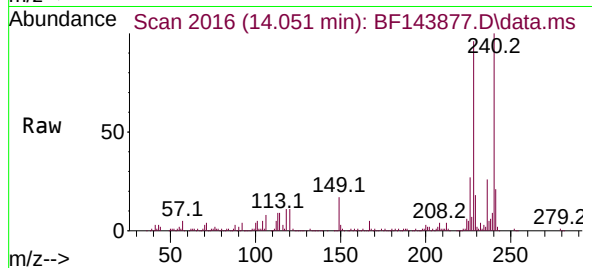
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:228 Resp: 24687

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

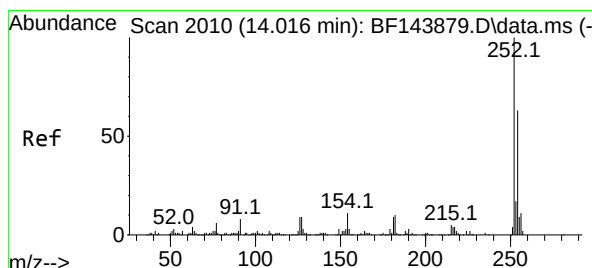
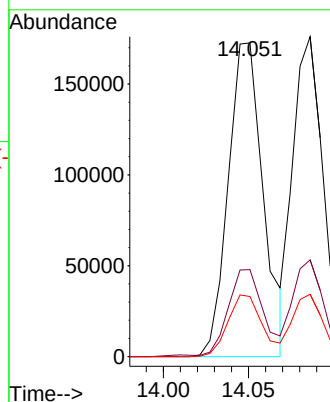
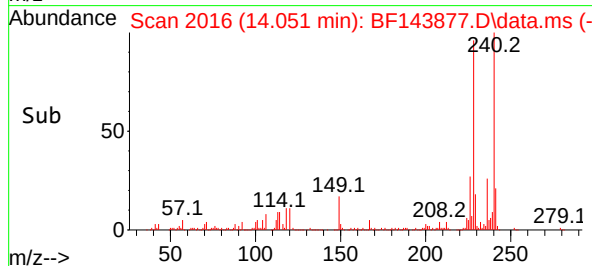
229 19.1 15.6 23.4

Manual Integrations

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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

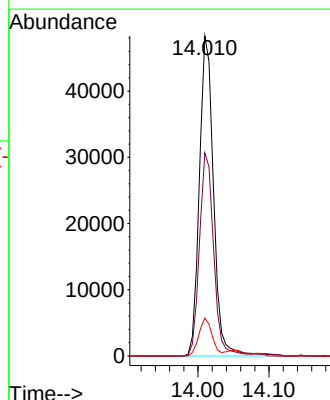
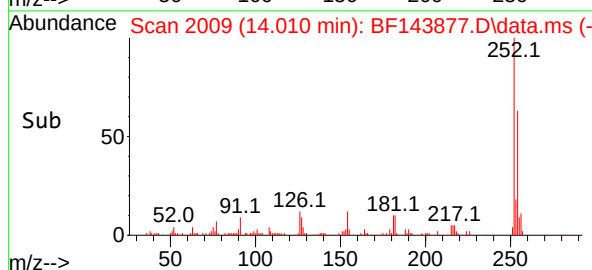
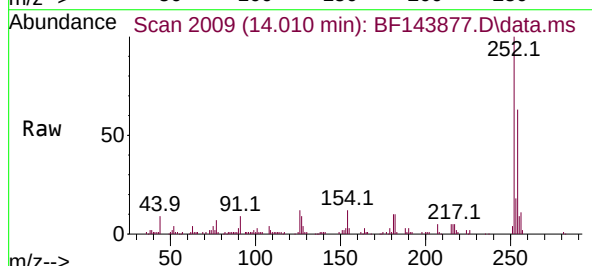
Tgt Ion:252 Resp: 66722

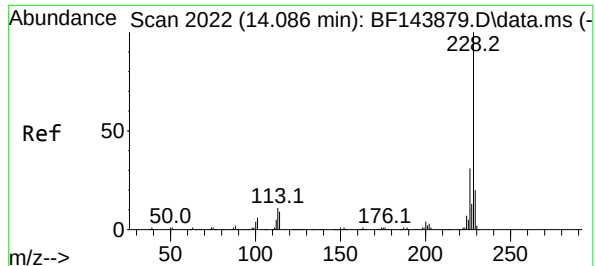
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

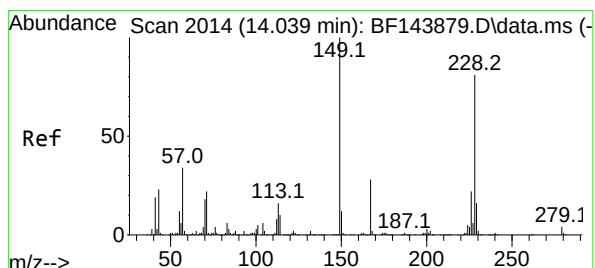
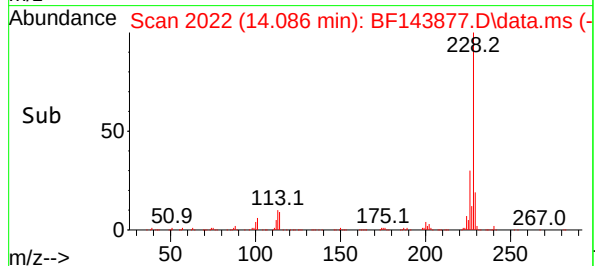
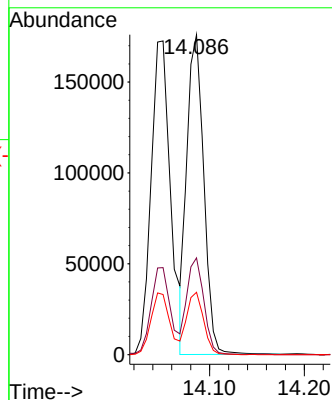
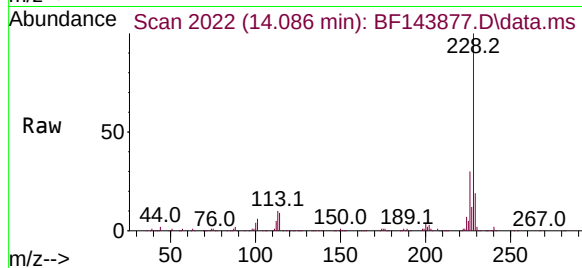
Tgt Ion:	228	Resp:	21774
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	19.5	15.9	23.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.483 ng

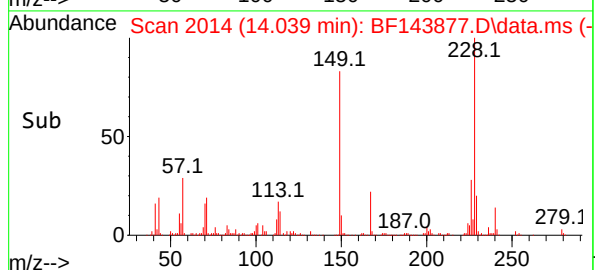
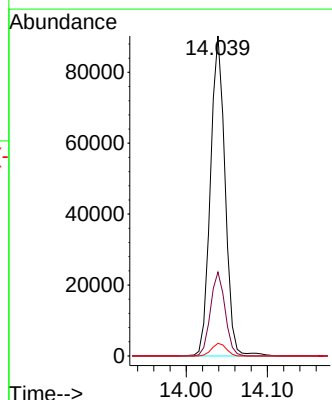
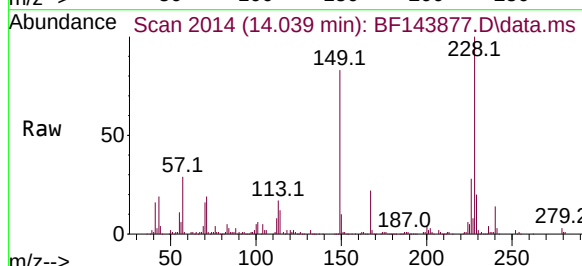
RT: 14.039 min Scan# 2014

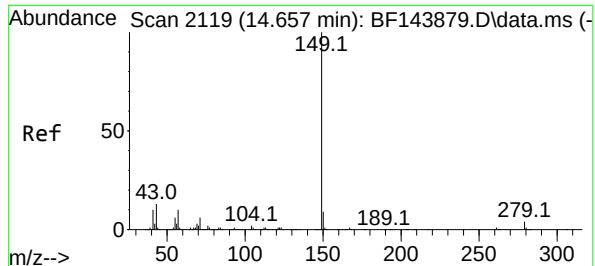
Delta R.T. 0.000 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

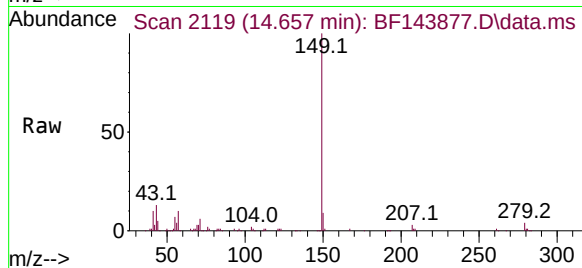
Tgt Ion:	149	Resp:	113431
Ion Ratio	Lower	Upper	
149	100		
167	26.2	22.2	33.4
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 7.810 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

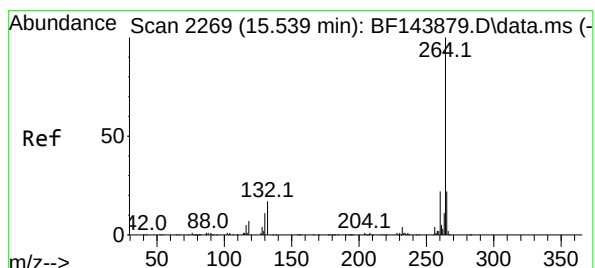
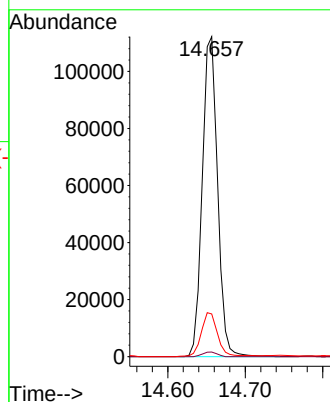
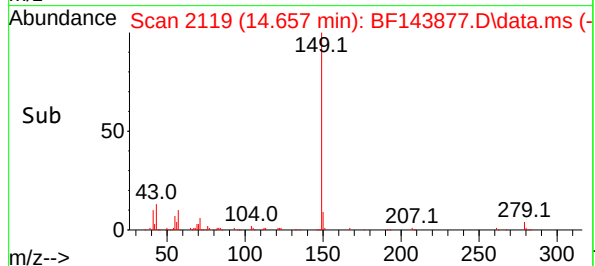
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



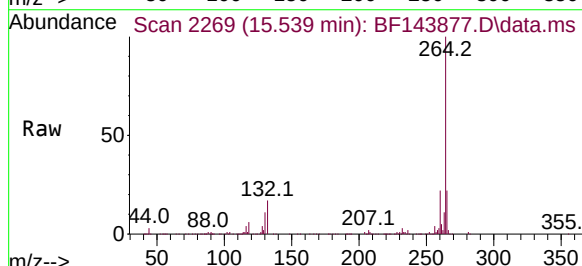
Tgt Ion:149 Resp: 153434
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 14.8 11.0 16.4

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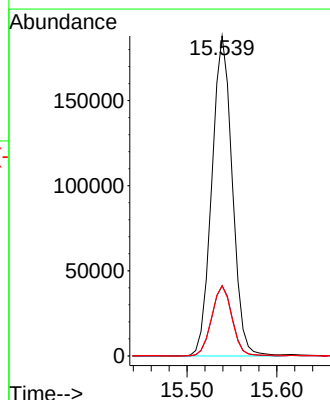
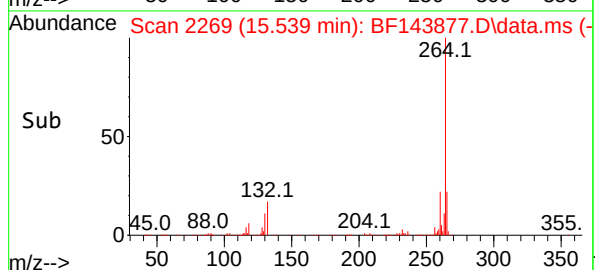
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

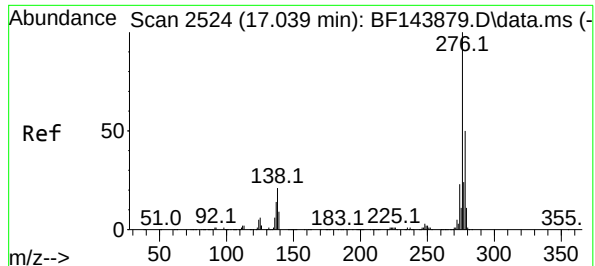


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57



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# 21

Delta R.T. -0.029 min

Lab File: BF143877.D

Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 164200

Ion Ratio Lower Upper

276 100

138 26.2 18.2 27.2

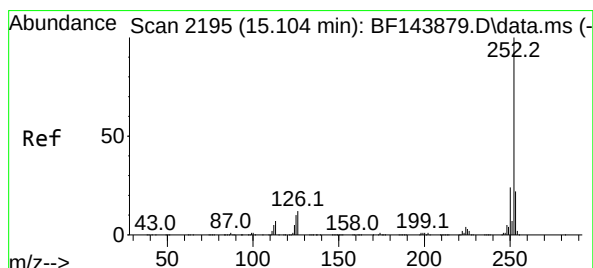
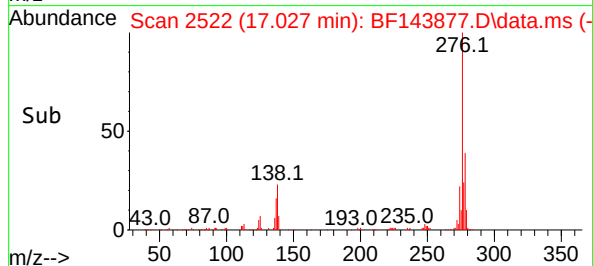
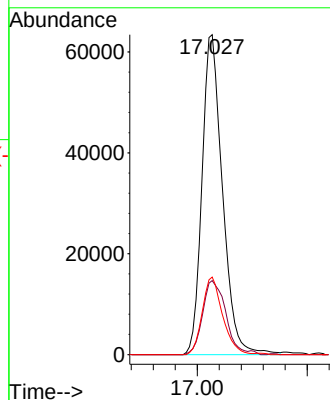
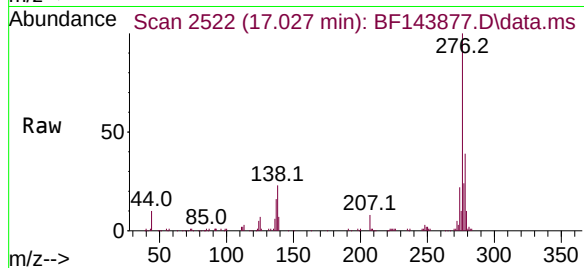
277 24.1 19.8 29.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

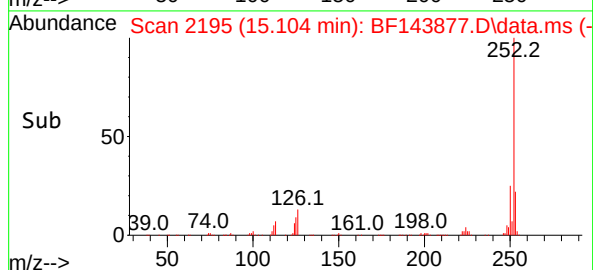
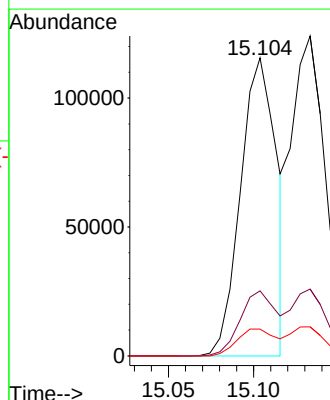
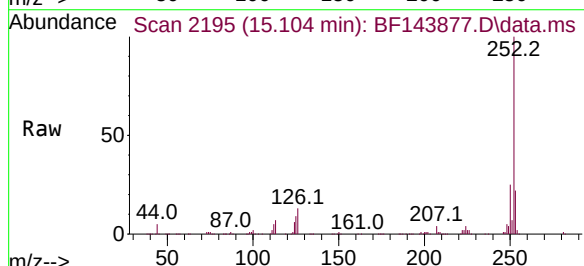
Tgt Ion:252 Resp: 169146

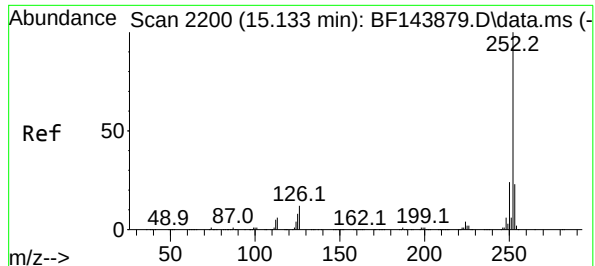
Ion Ratio Lower Upper

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# 2200

Delta R.T. -0.012 min

Lab File: BF143877.D

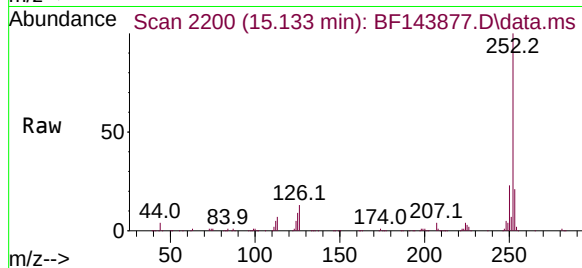
Acq: 06 Oct 2025 10:57

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:252 Resp: 174390

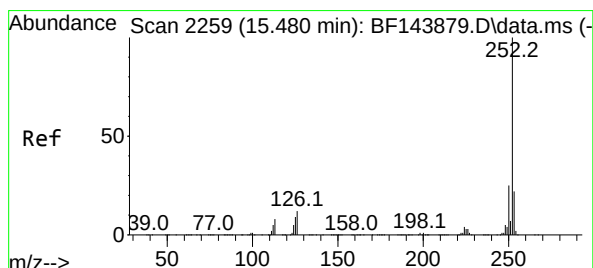
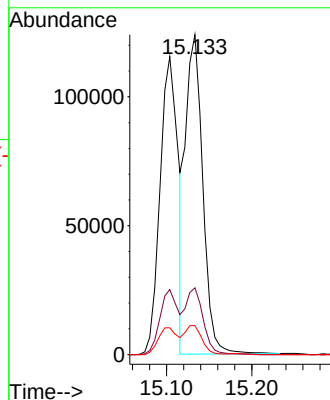
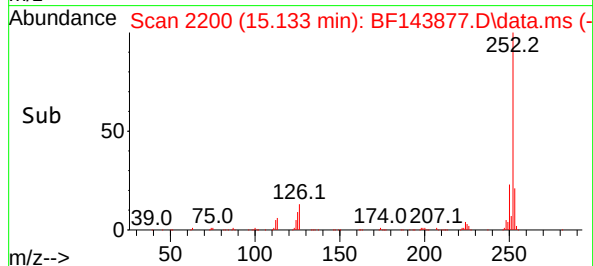
Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	9.1	7.4	11.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

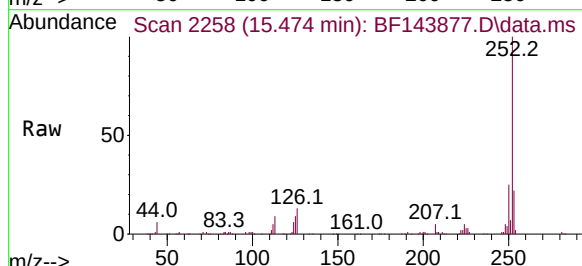
Concen: 10.096 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.012 min

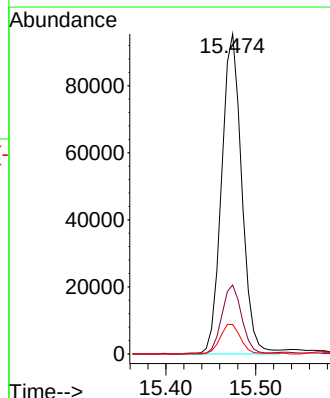
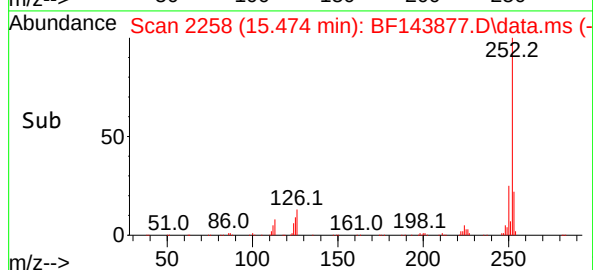
Lab File: BF143877.D

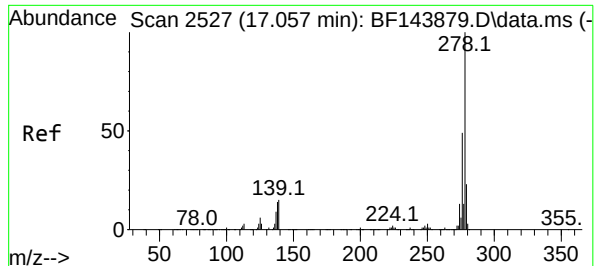
Acq: 06 Oct 2025 10:57



Tgt Ion:252 Resp: 149543

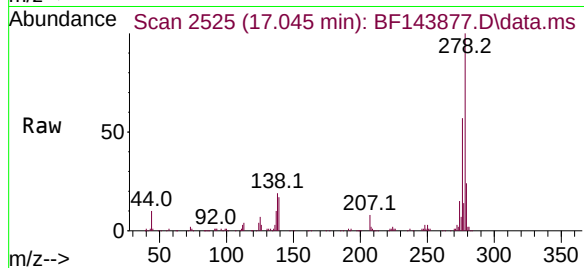
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	9.2	7.0	10.4





#91
Dibenzo(a,h)anthracene
Concen: 9.279 ng
RT: 17.045 min Scan# 2527
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

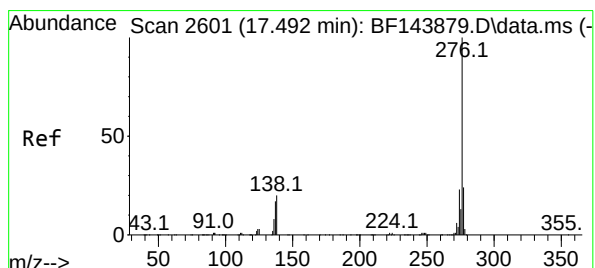
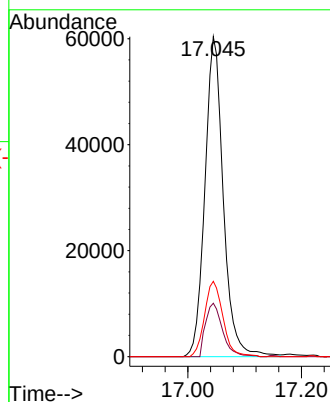
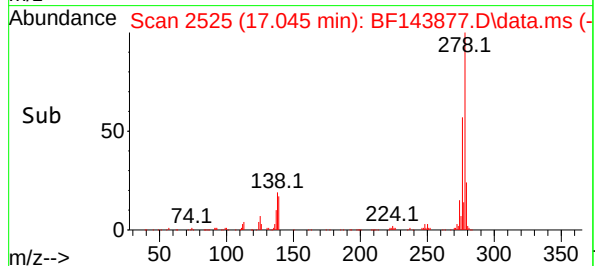
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 278 Resp: 135992
Ion Ratio Lower Upper
278 100
139 16.7 11.7 17.5
279 23.5 18.4 27.6

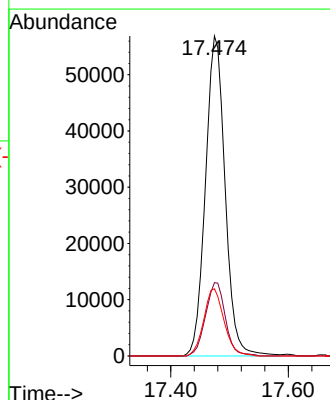
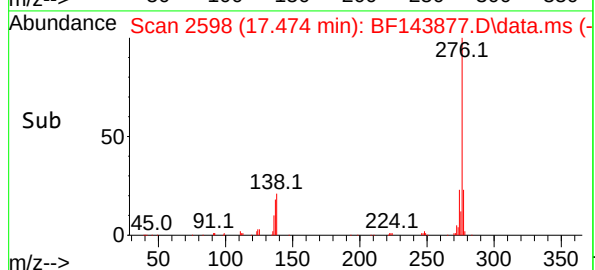
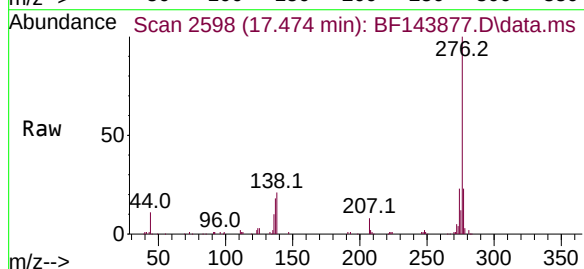
Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#92
Benzo(g,h,i)perylene
Concen: 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

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

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

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

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

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

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

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

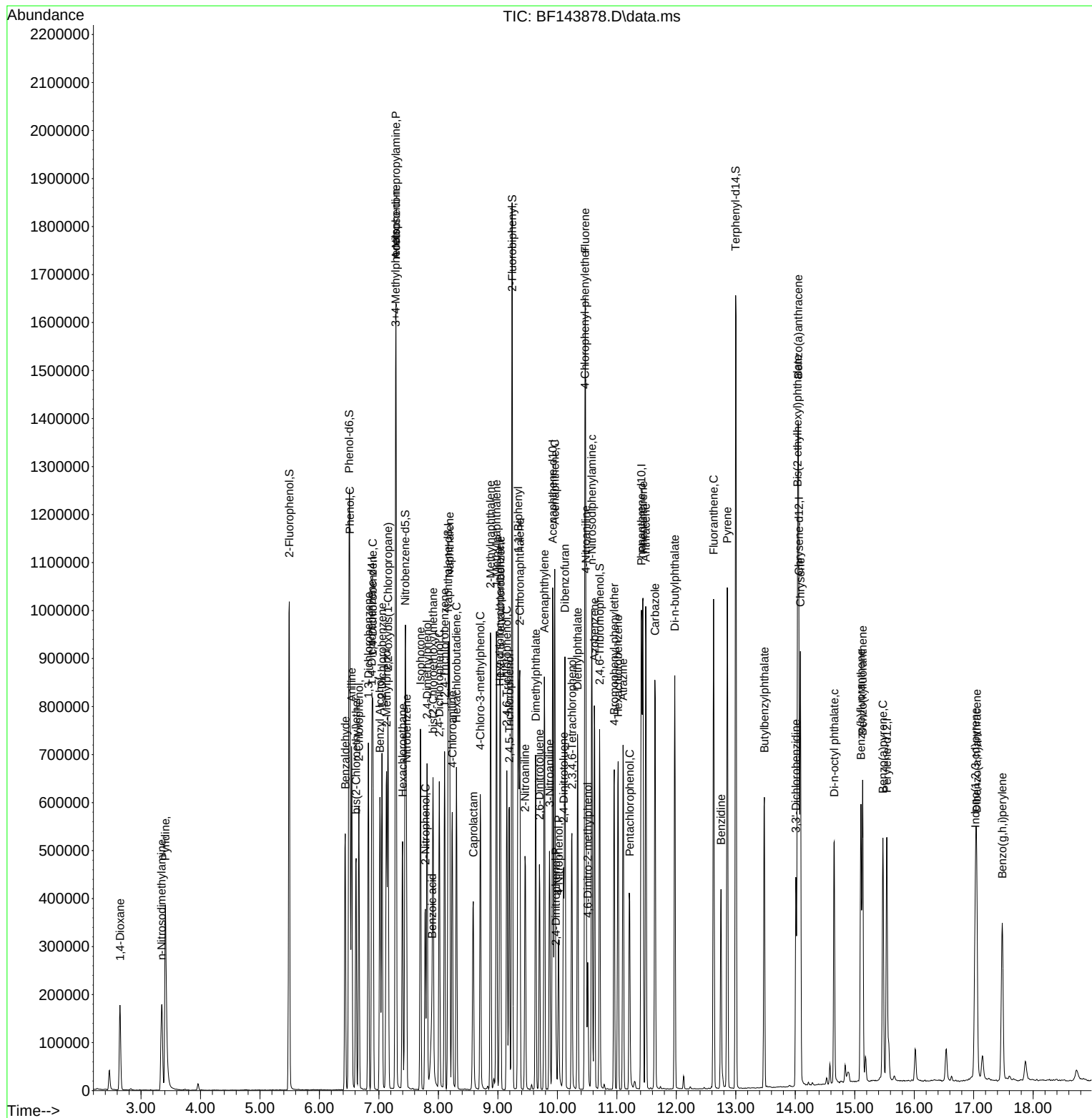
Manual Integrations

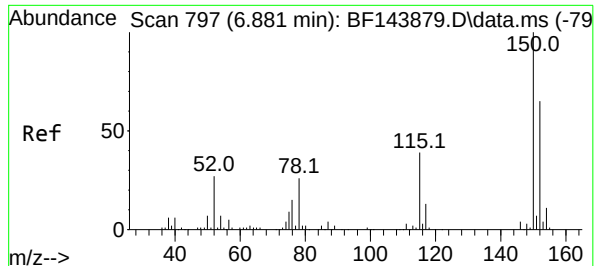
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

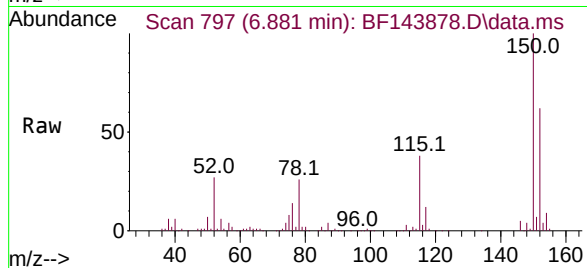
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





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

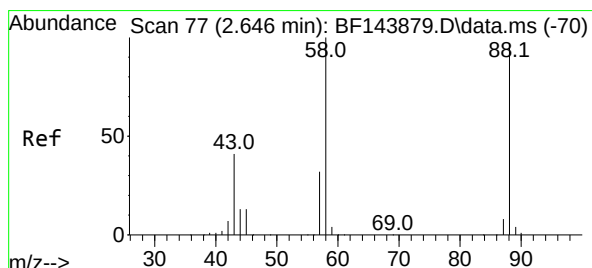
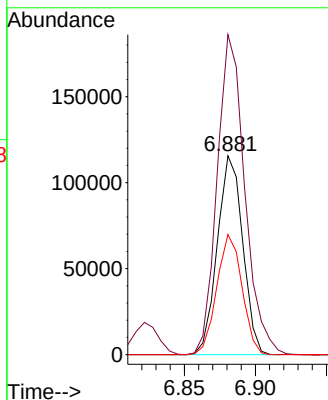
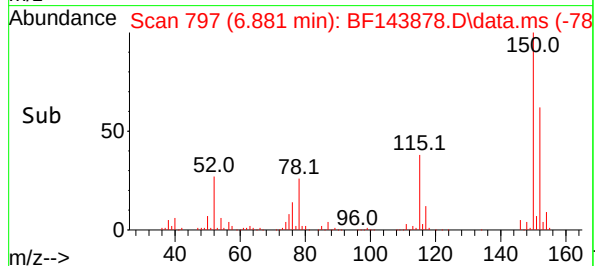
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion: 152 Resp: 144072
Ion Ratio Lower Upper
152 100
150 160.9 124.4 186.6
115 60.4 48.1 72.1

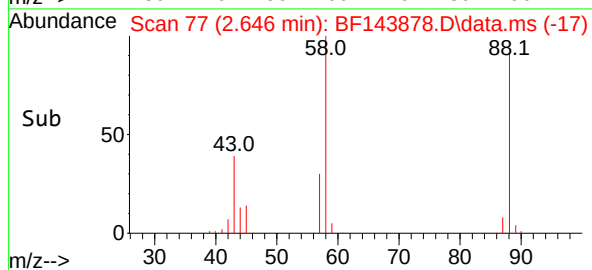
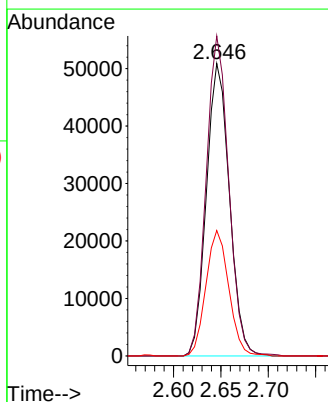
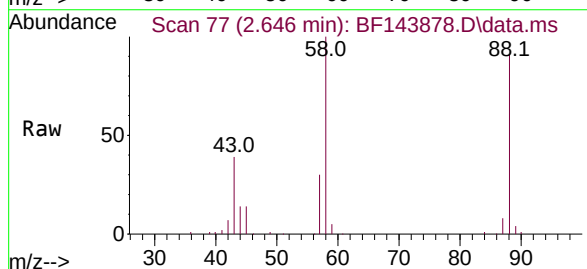
Manual Integrations
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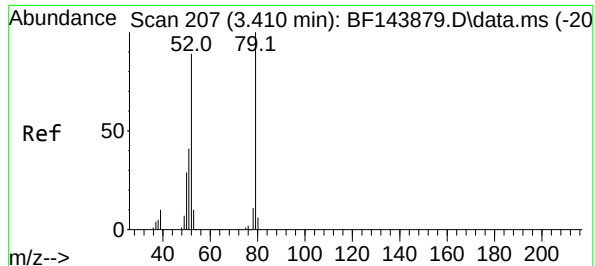
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

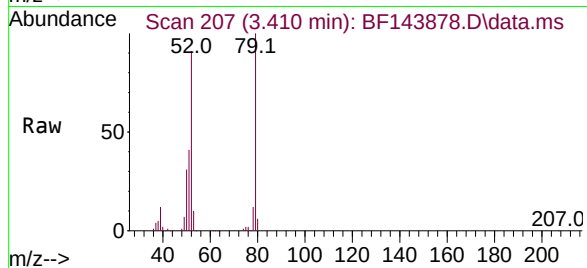
Tgt Ion: 88 Resp: 86079
Ion Ratio Lower Upper
88 100
58 107.3 83.0 124.6
43 42.6 33.9 50.9





#3
Pyridine
Concen: 20.618 ng
RT: 3.410 min Scan# 207
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

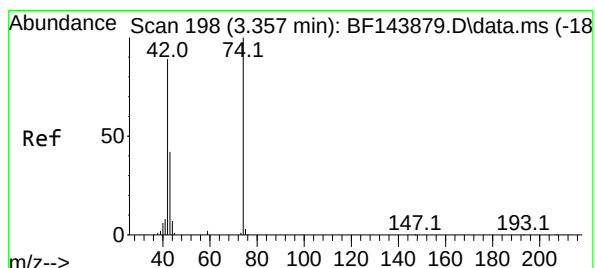
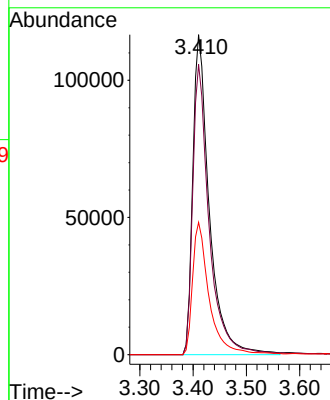
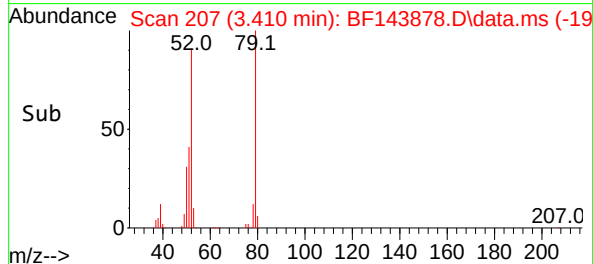
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 251988
Ion Ratio Lower Upper
79 100
52 90.7 71.5 107.3
51 41.3 32.9 49.3

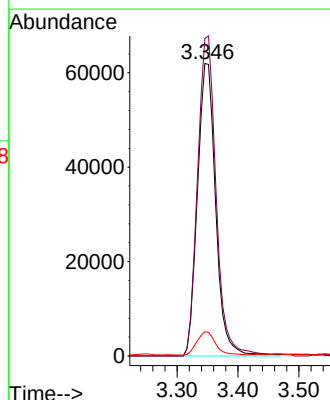
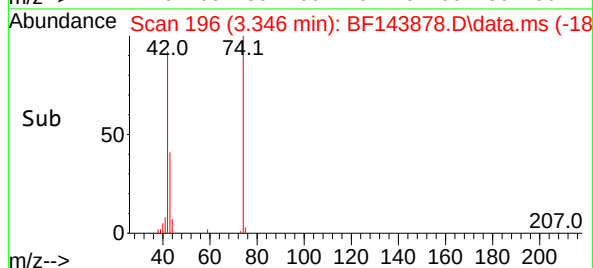
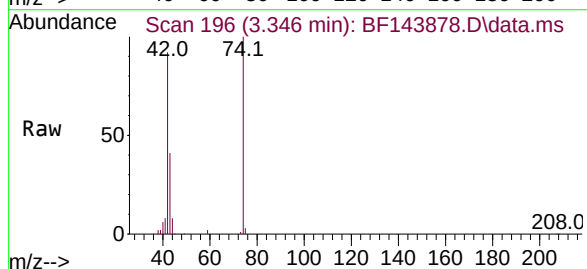
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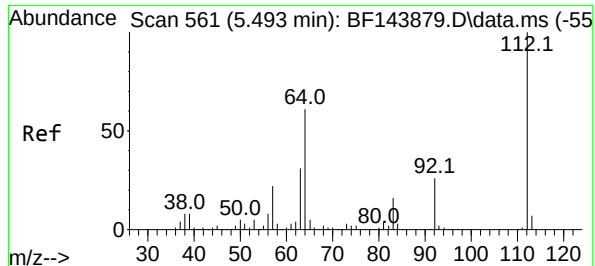
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





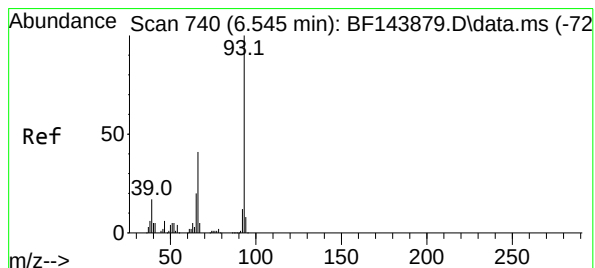
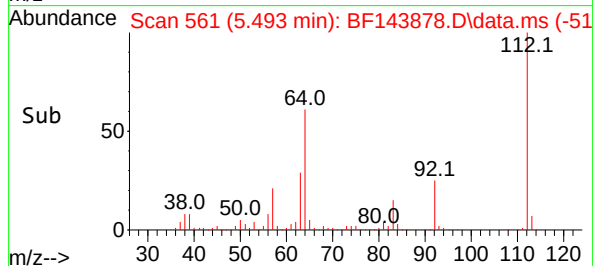
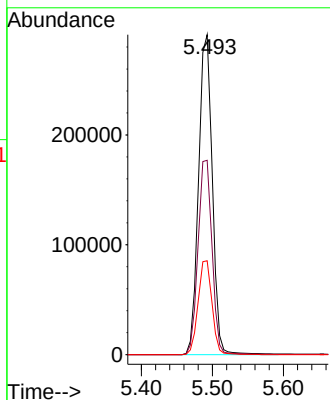
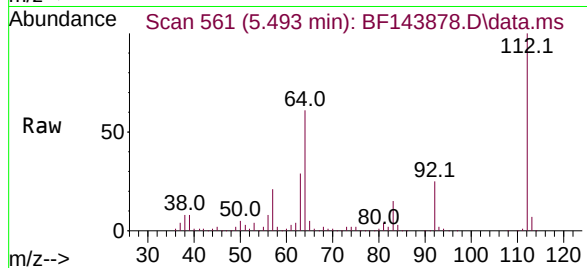
#5
2-Fluorophenol
Concen: 42.947 ng
RT: 5.493 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

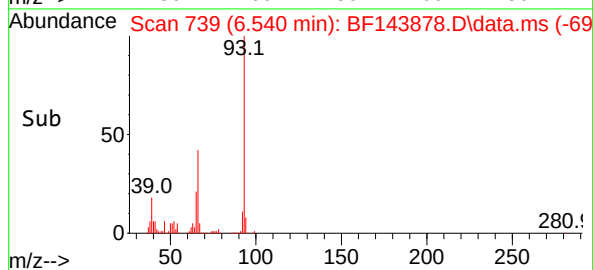
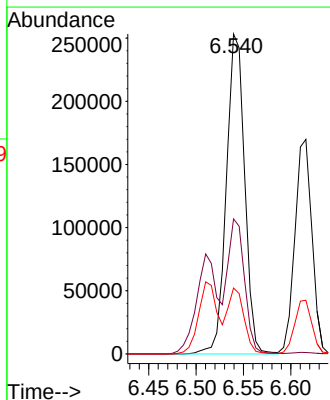
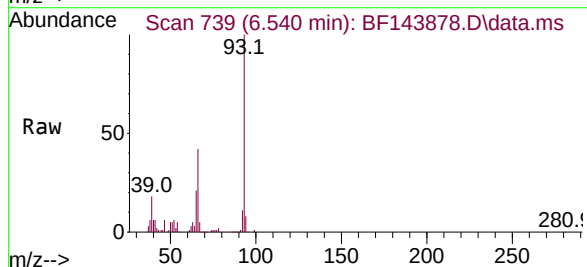
Manual Integrations
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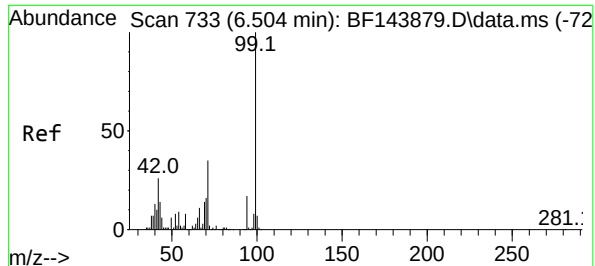
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





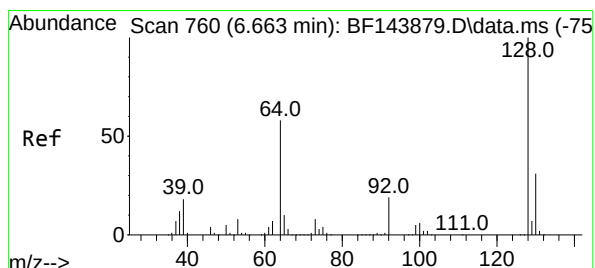
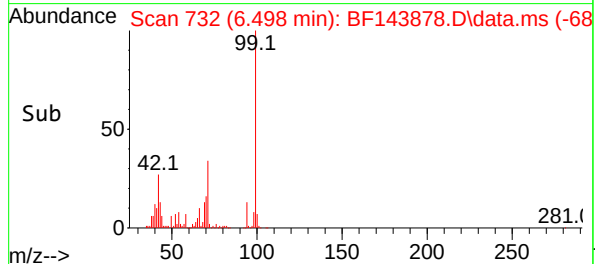
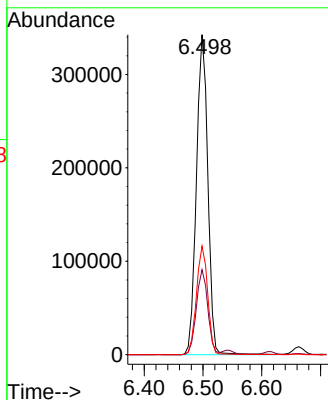
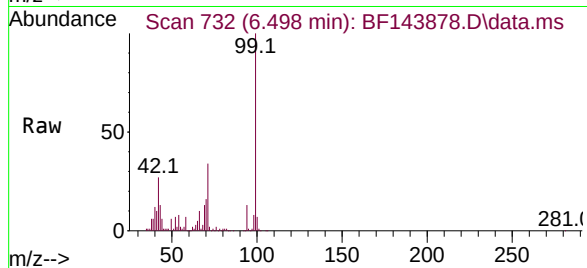
#7
Phenol-d6
Concen: 42.670 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 461437
Ion Ratio Lower Upper
99 100
42 26.5 21.0 31.4
71 33.9 27.8 41.8

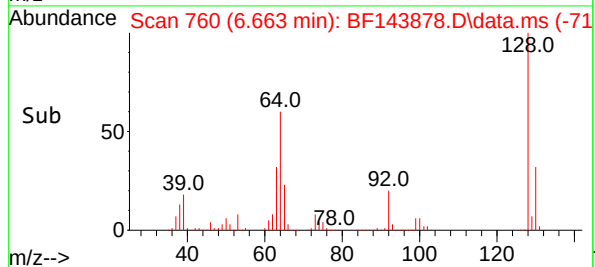
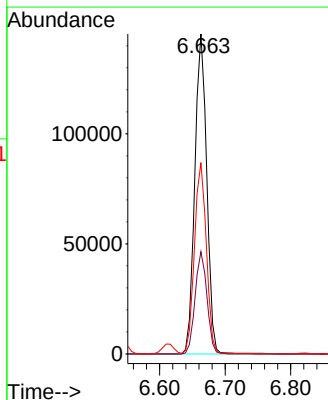
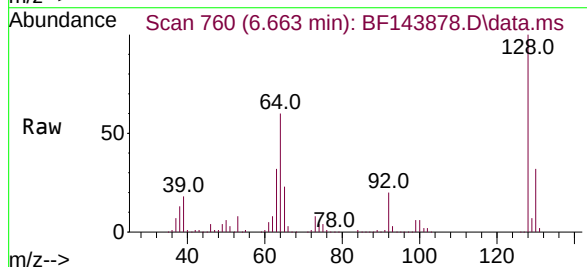
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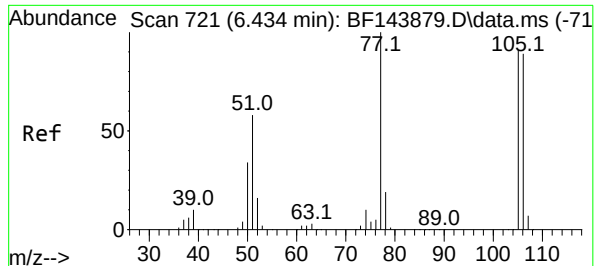
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 721

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 14778

Ion Ratio Lower Upper

77 100

105 91.2 70.9 110.9

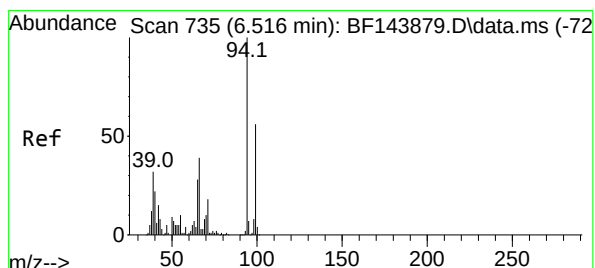
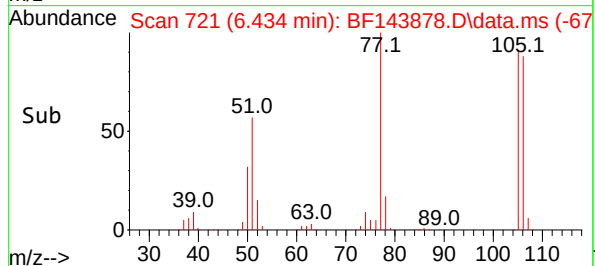
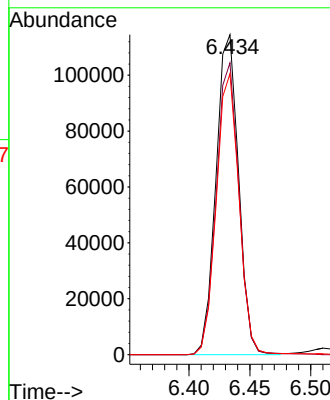
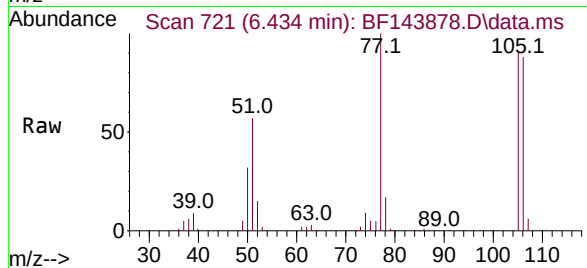
106 87.8 68.9 108.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

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

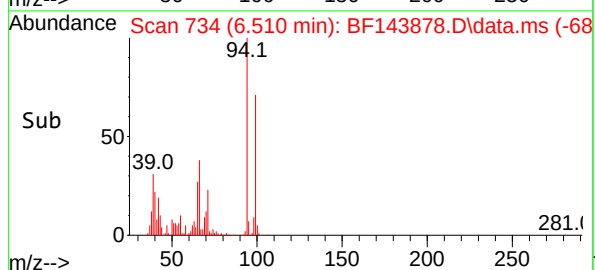
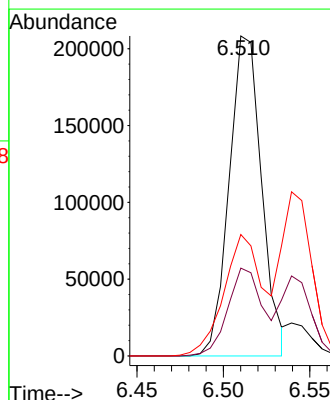
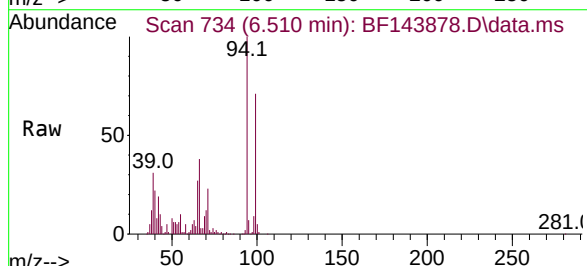
Tgt Ion: 94 Resp: 272100

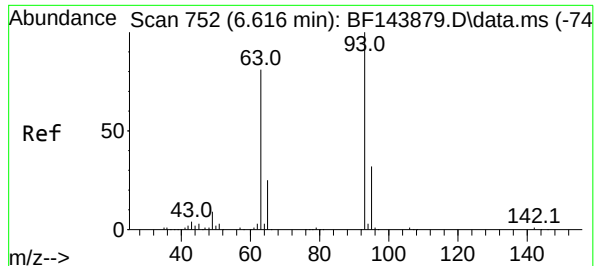
Ion Ratio Lower Upper

94 100

65 27.4 8.5 48.5

66 37.9 19.9 59.9





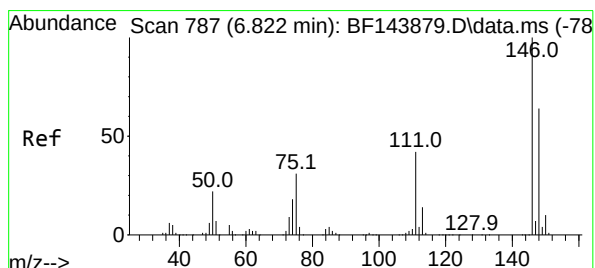
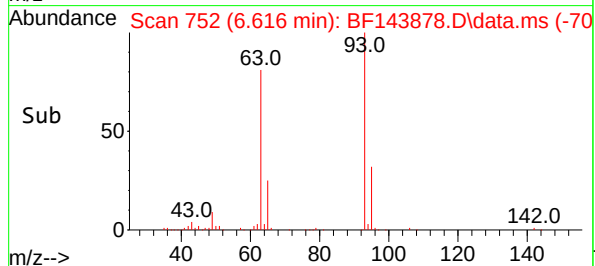
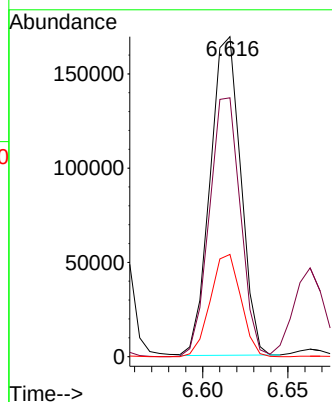
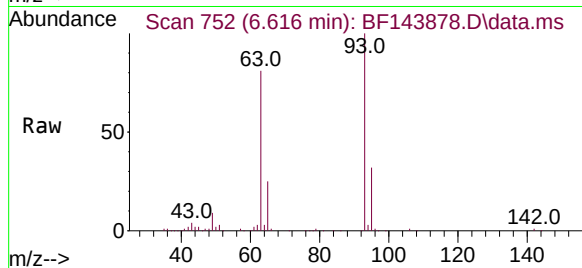
#11
bis(2-Chloroethyl)ether
Concen: 21.157 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 211296
Ion Ratio Lower Upper
93 100
63 80.9 60.9 100.9
95 31.9 11.5 51.5

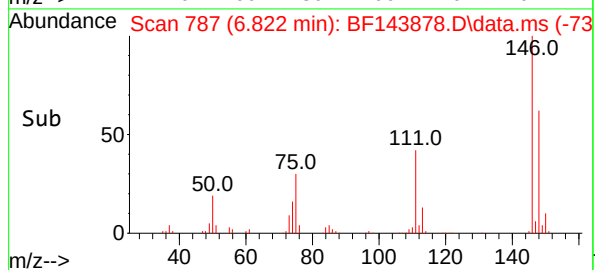
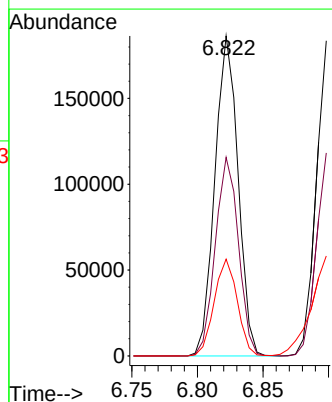
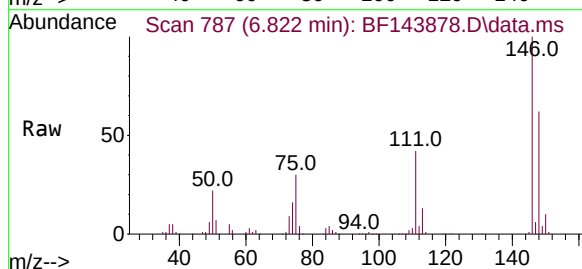
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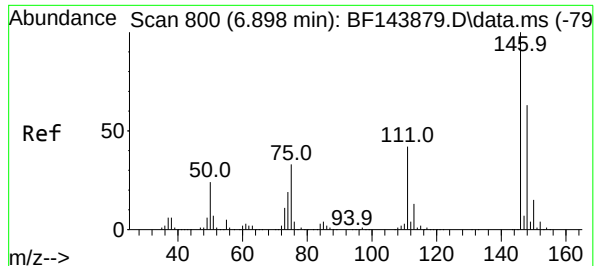
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 800

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 225703

Ion Ratio Lower Upper

146 100

148 64.4 50.5 75.7

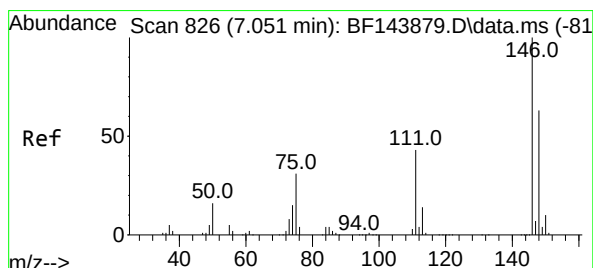
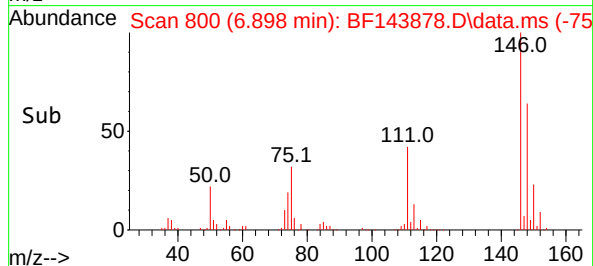
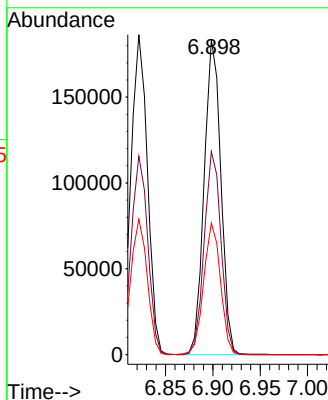
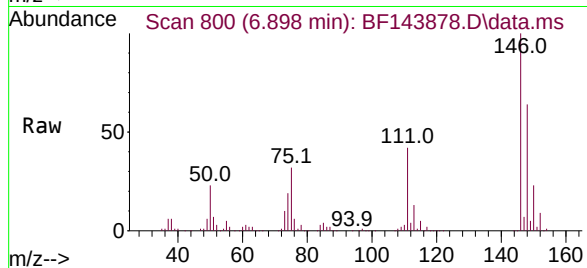
111 41.8 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

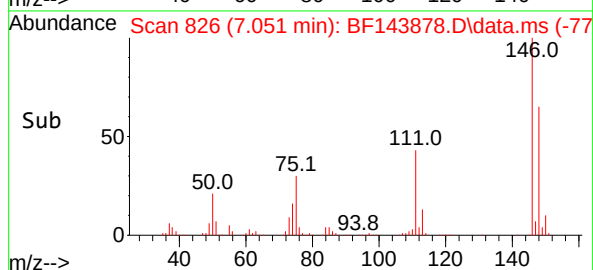
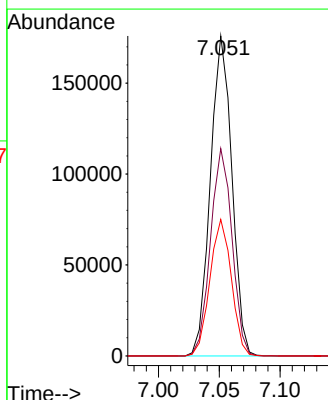
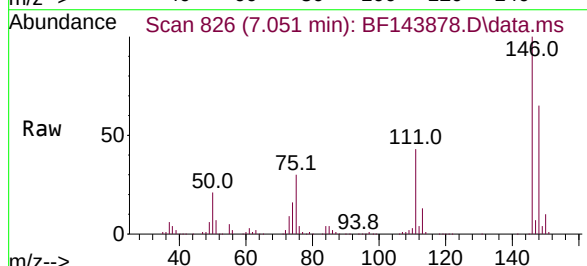
Tgt Ion:146 Resp: 216196

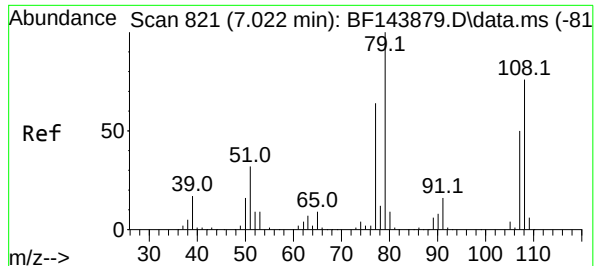
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 164008

Ion Ratio Lower Upper

79 100

108 73.6 60.8 91.2

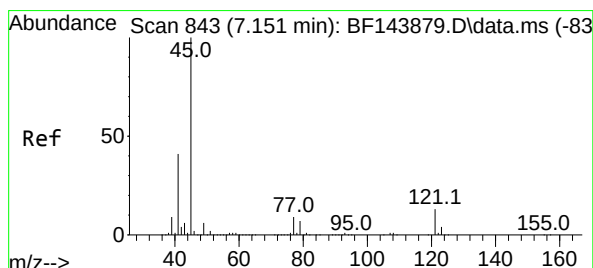
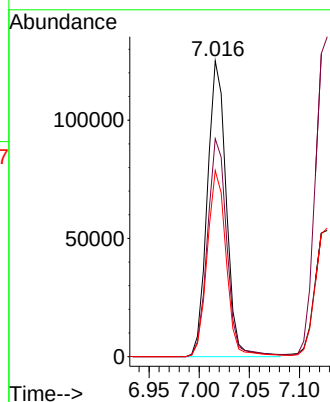
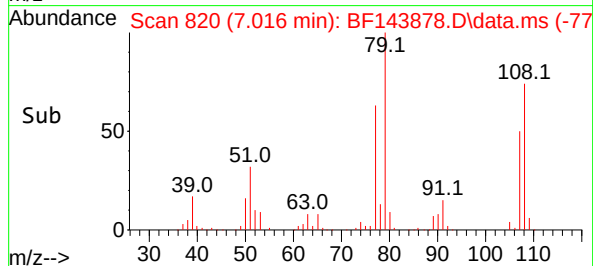
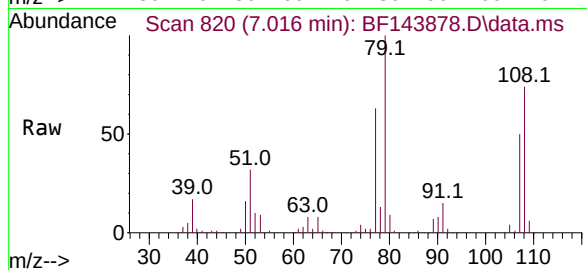
77 62.9 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

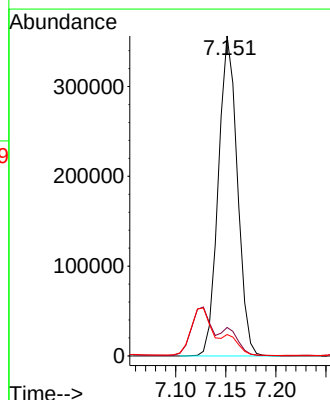
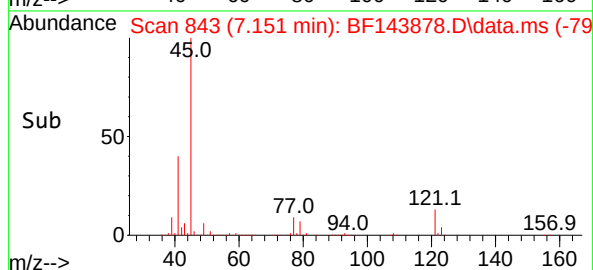
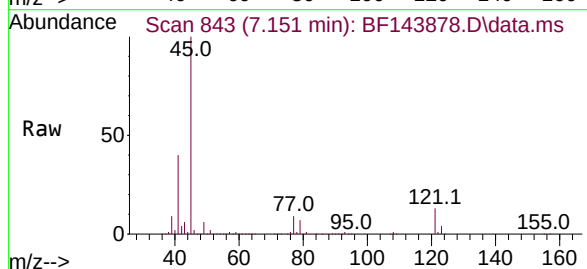
Tgt Ion: 45 Resp: 471598

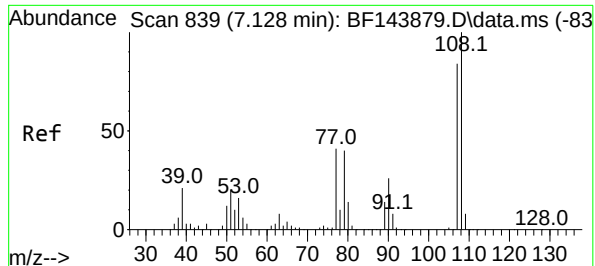
Ion Ratio Lower Upper

45 100

77 8.9 0.0 29.0

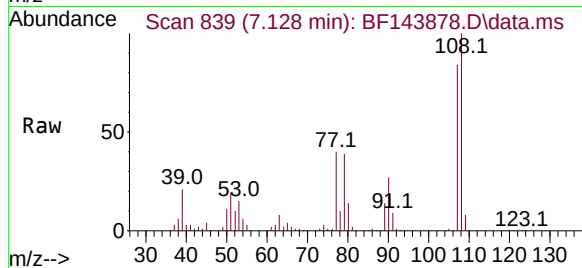
79 6.7 0.0 26.8





#17
2-Methylphenol
Concen: 20.616 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

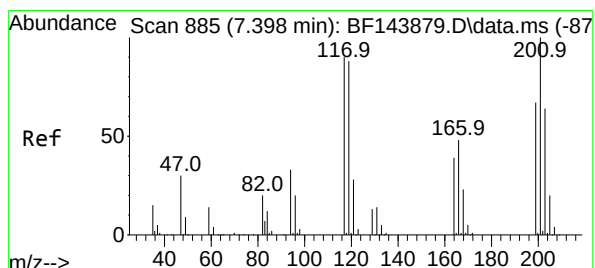
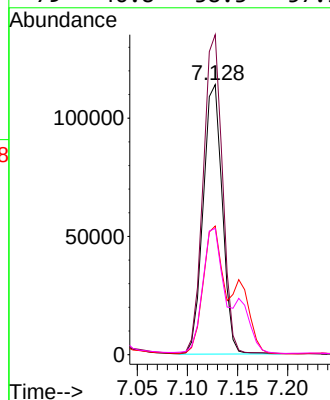
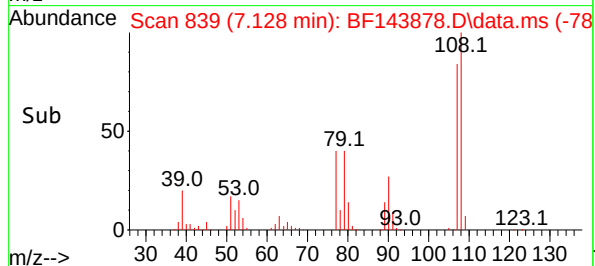
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



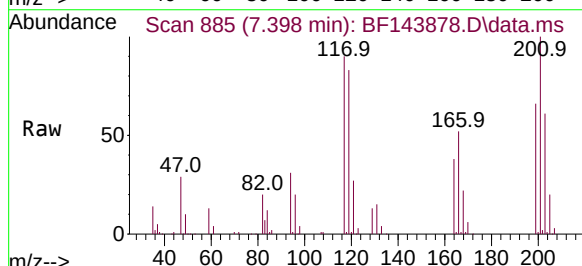
Tgt Ion:107 Resp: 151099
Ion Ratio Lower Upper
107 100
108 118.5 94.7 142.1
77 47.6 38.8 58.2
79 46.8 38.3 57.5

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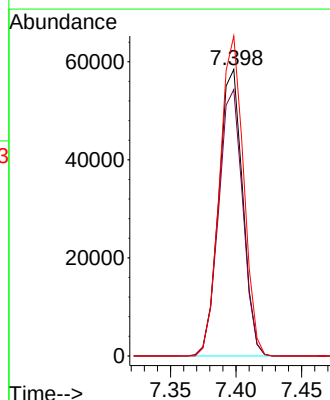
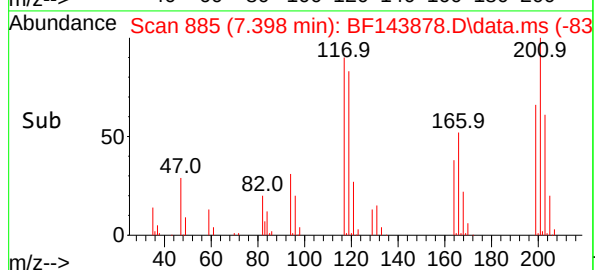
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

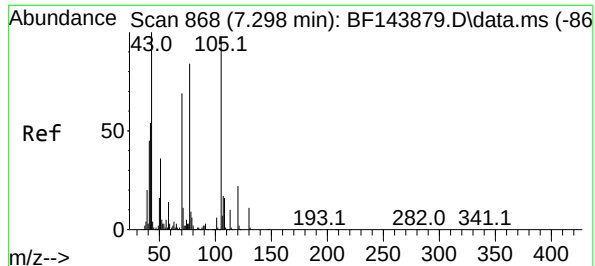


#18
Hexachloroethane
Concen: 21.232 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



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# 866

Delta R.T. -0.029 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 151838

Ion Ratio Lower Upper

70 100

42 79.7 62.8 94.2

101 8.5 6.7 10.1

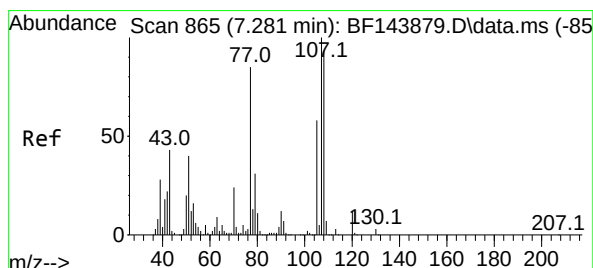
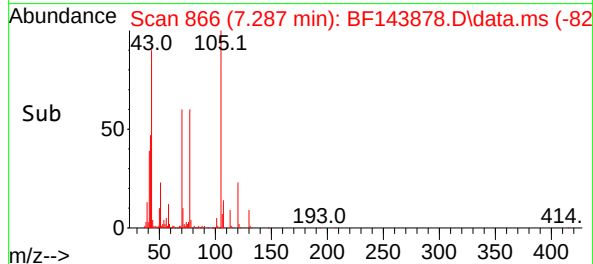
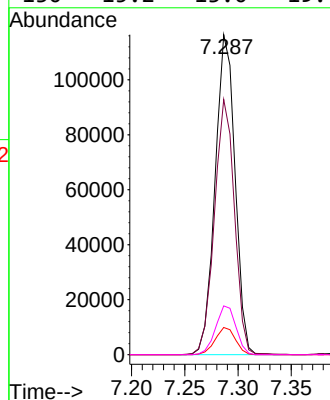
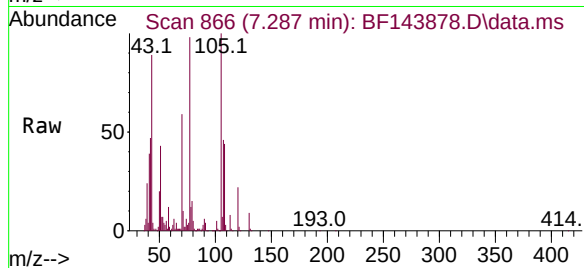
130 15.2 13.0 19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

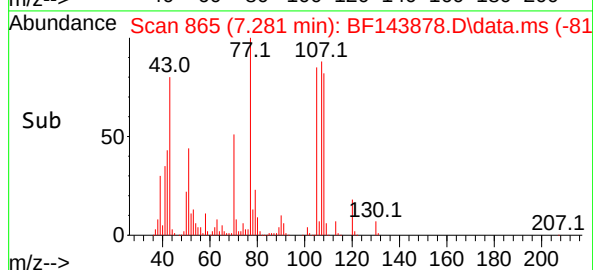
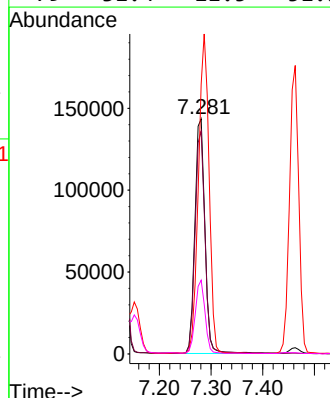
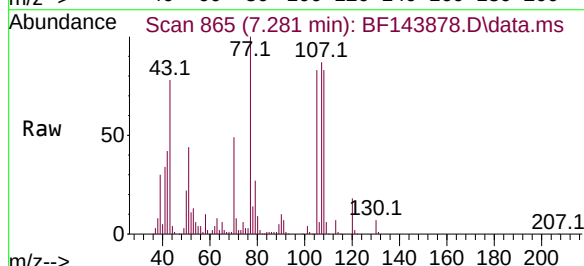
Ion Ratio Lower Upper

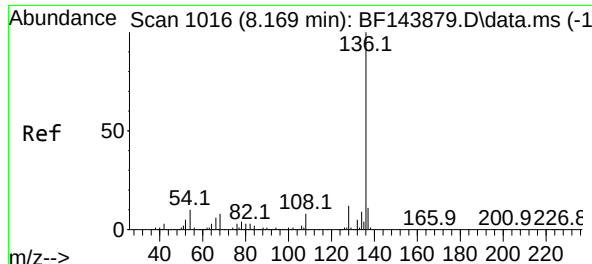
107 100

108 94.8 73.0 113.0

77 114.7 64.6 104.6#

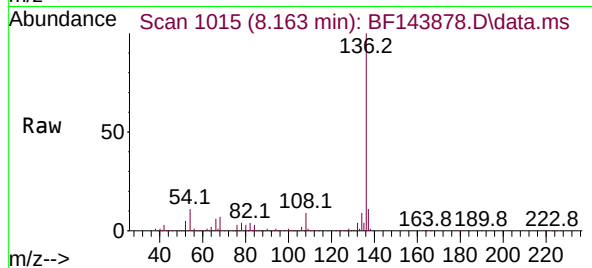
79 31.4 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

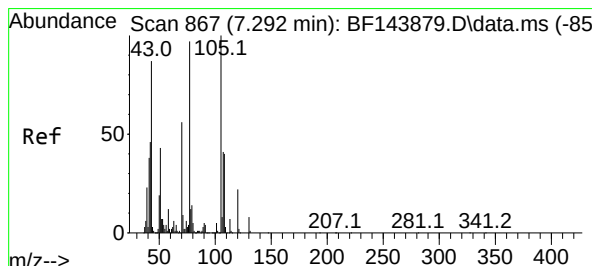
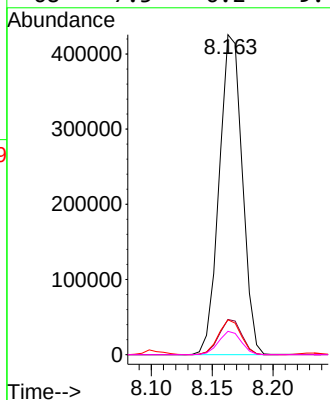
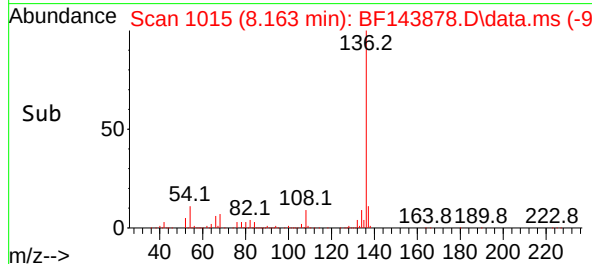
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 561772
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

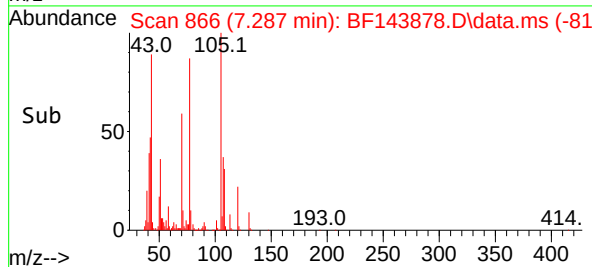
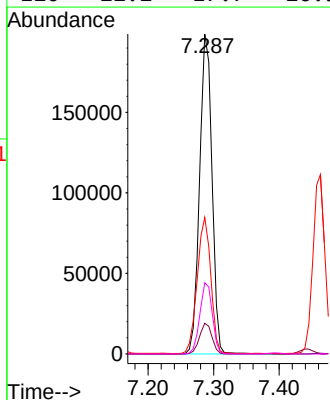
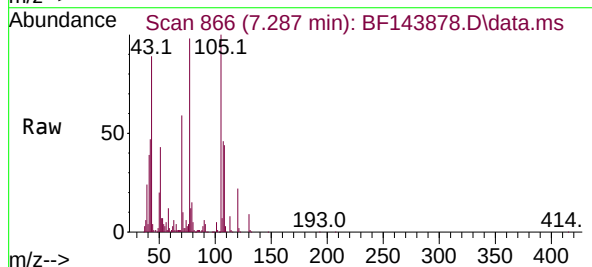
Manual Integrations
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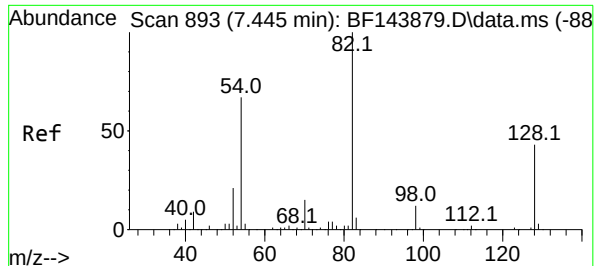
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 891

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 389584

Ion Ratio Lower Upper

82 100

128 41.2 34.0 51.0

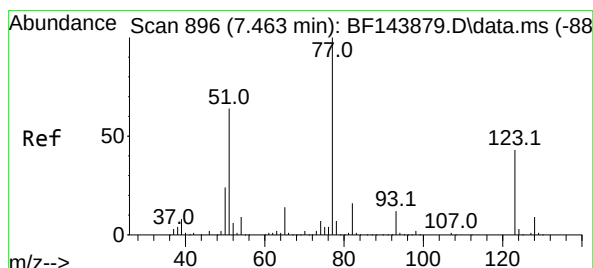
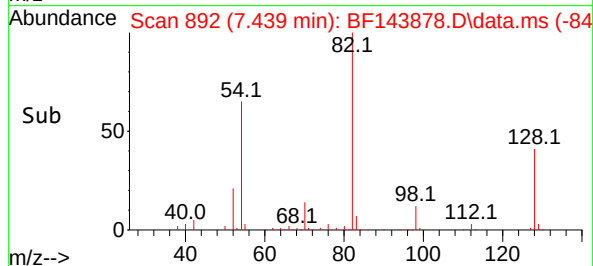
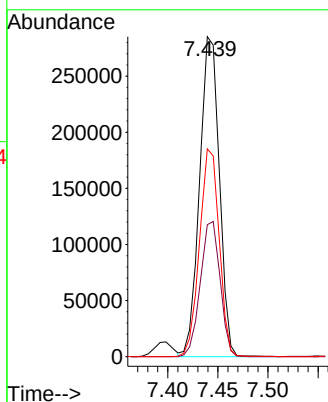
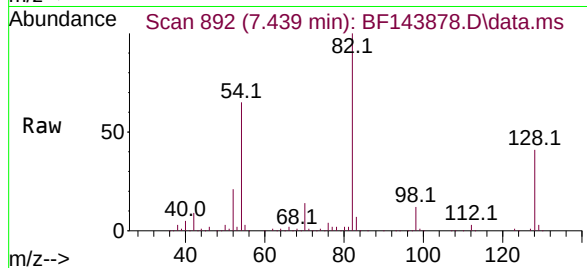
54 64.9 53.2 79.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

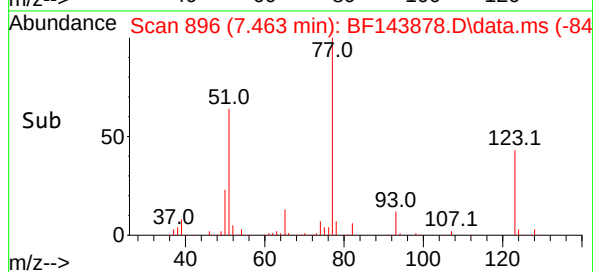
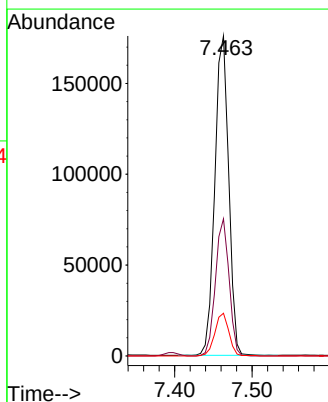
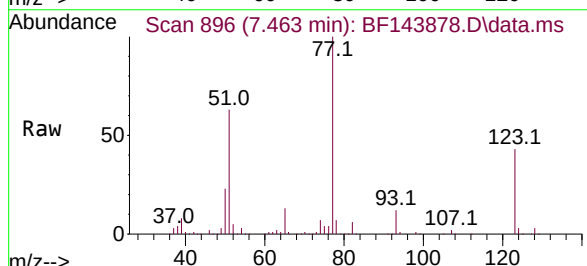
Tgt Ion: 77 Resp: 218497

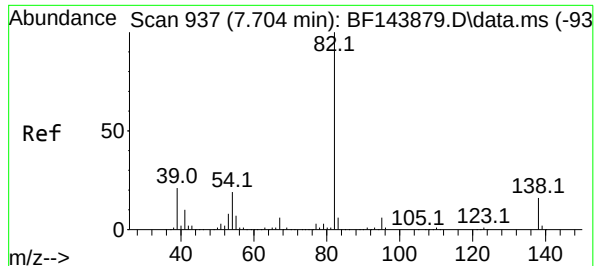
Ion Ratio Lower Upper

77 100

123 42.8 34.2 51.4

65 13.3 11.0 16.6





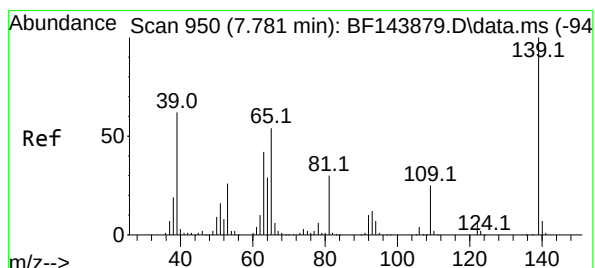
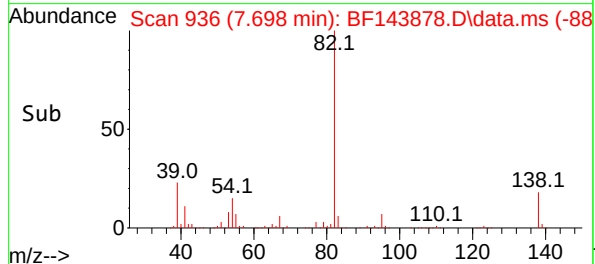
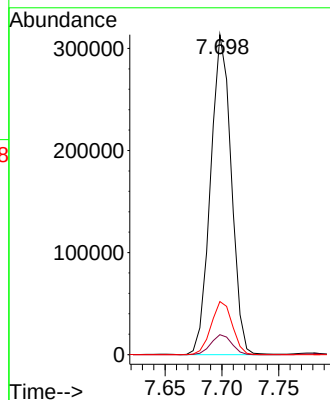
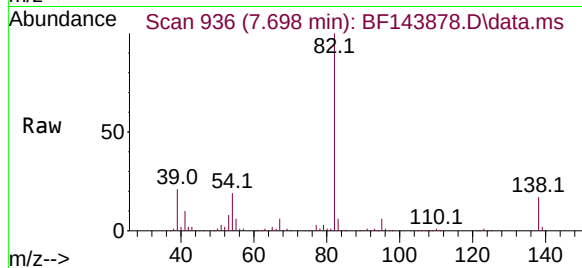
#25
Isophorone
Concen: 20.393 ng
RT: 7.698 min Scan# 937
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion: 82 Resp: 397606
Ion Ratio Lower Upper
82 100
95 6.2 5.1 7.7
138 16.6 12.9 19.3

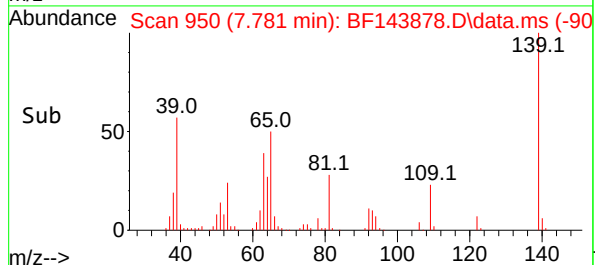
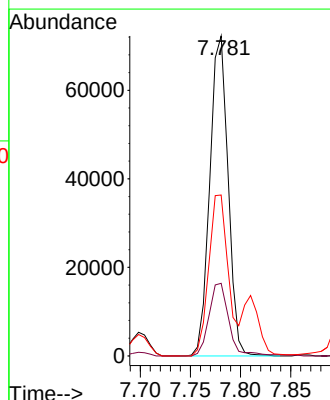
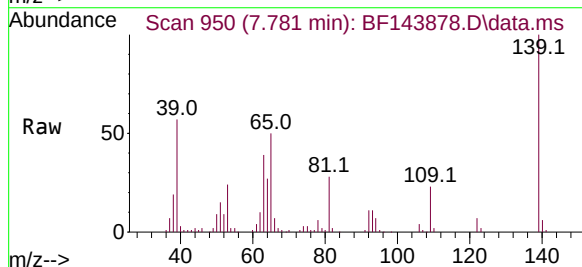
Manual Integrations
APPROVED

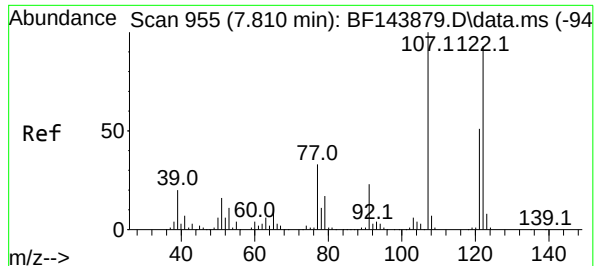
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





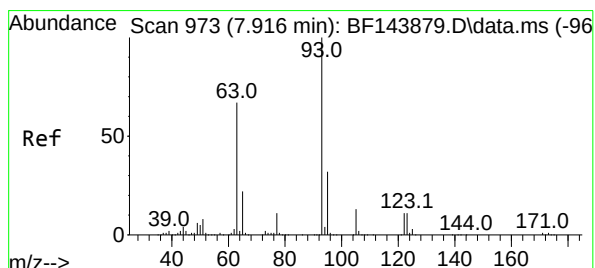
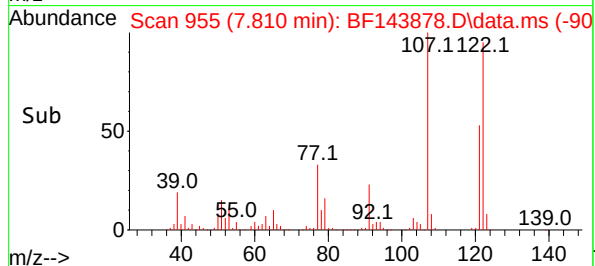
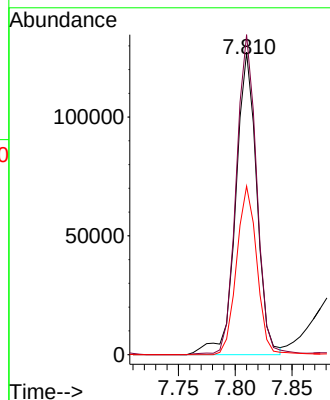
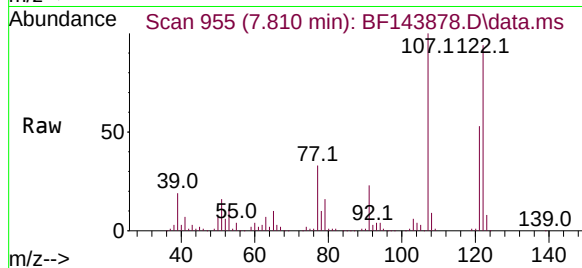
#27
2,4-Dimethylphenol
Concen: 20.682 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 163783
Ion Ratio Lower Upper
122 100
107 105.9 86.1 129.1
121 55.8 43.8 65.6

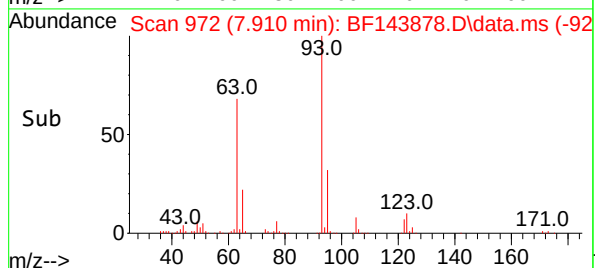
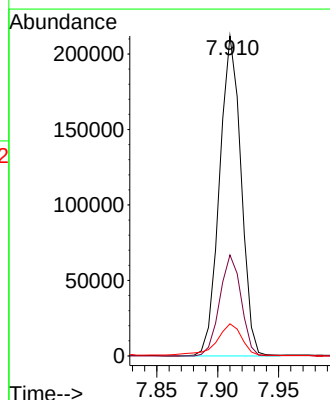
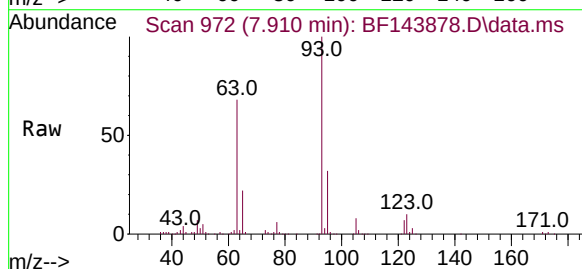
Manual Integrations
APPROVED

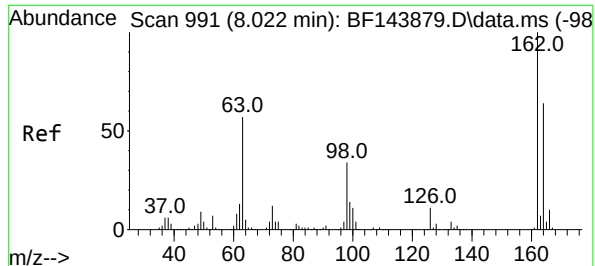
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 991

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

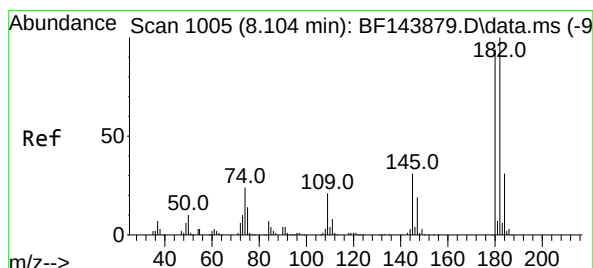
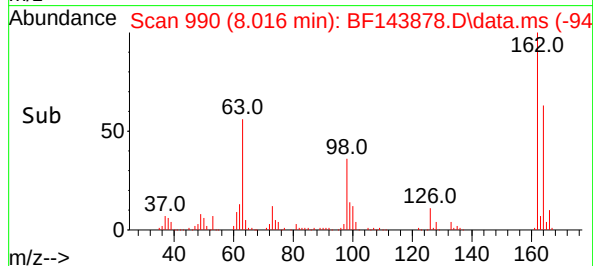
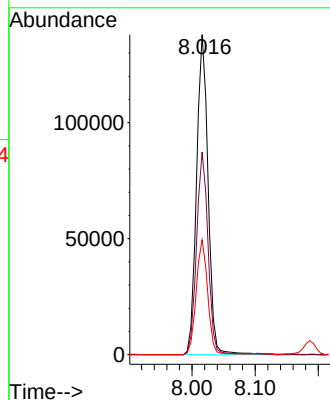
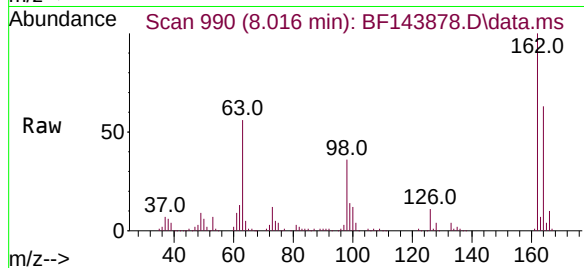
SSTDICC020

Tgt Ion:	162	Resp:	175934
Ion Ratio	Lower	Upper	
162	100		
164	63.3	43.9	83.9
98	35.9	14.4	54.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.234 ng

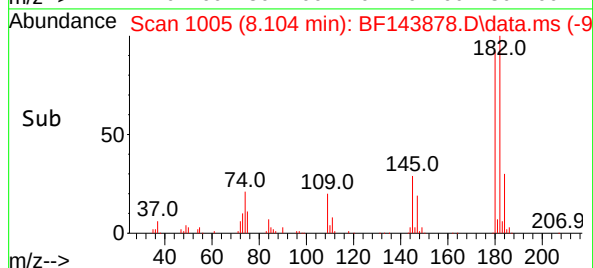
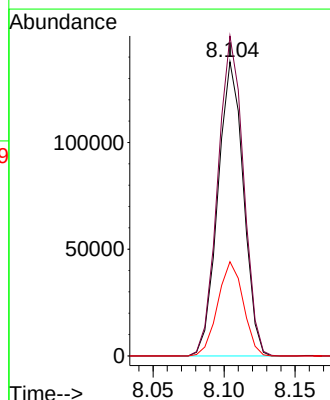
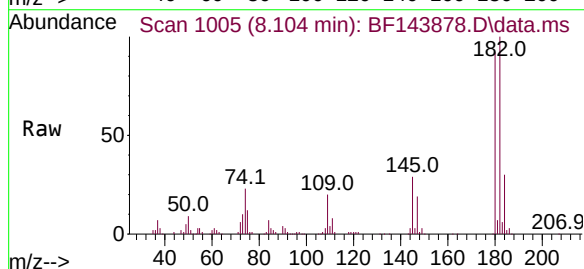
RT: 8.104 min Scan# 1005

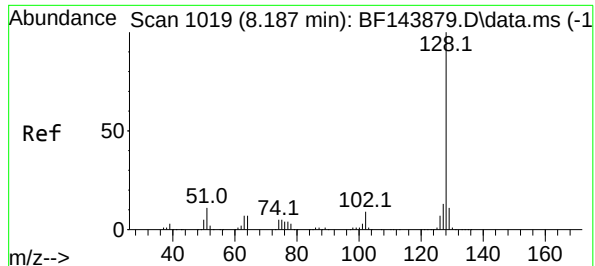
Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

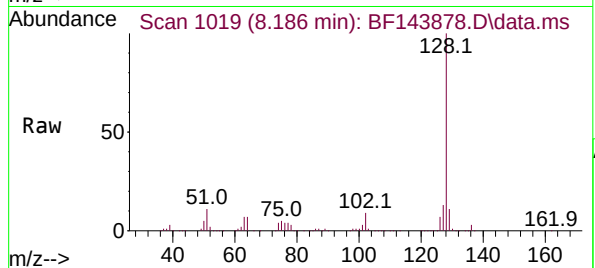
Tgt Ion:	180	Resp:	172265
Ion Ratio	Lower	Upper	
180	100		
182	108.8	85.4	128.0
145	32.0	26.3	39.5





#31
Naphthalene
Concen: 21.365 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

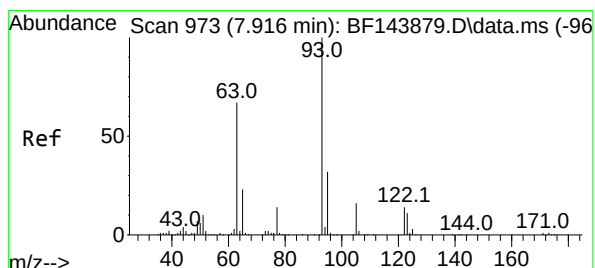
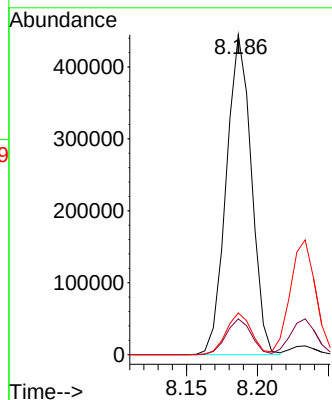
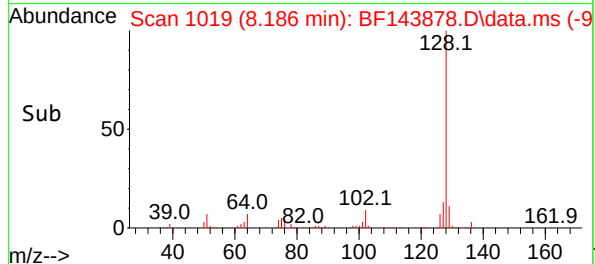
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

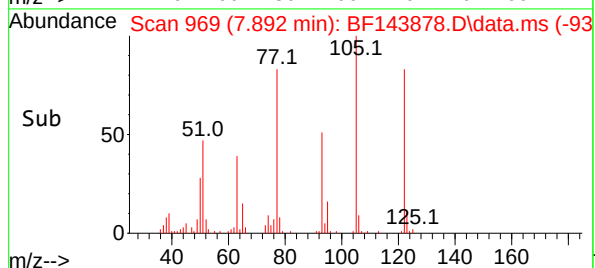
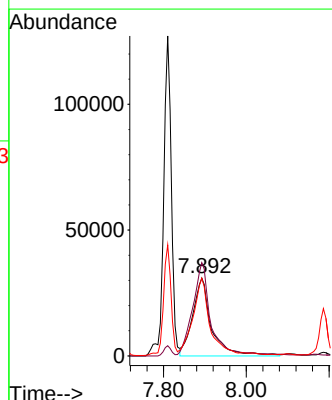
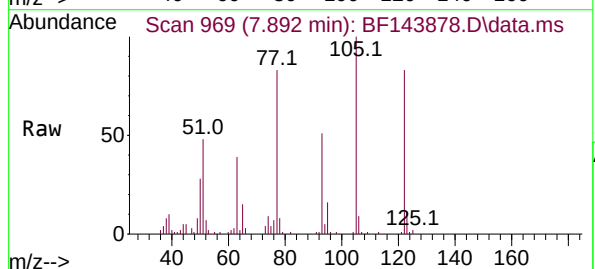
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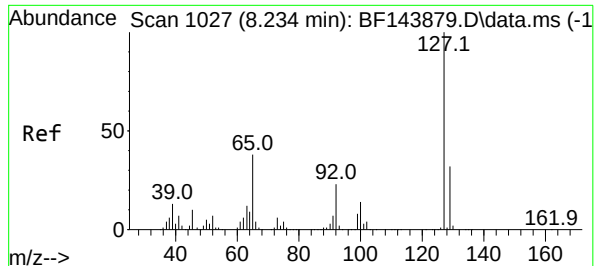
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





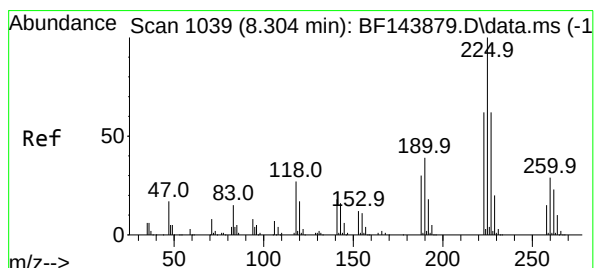
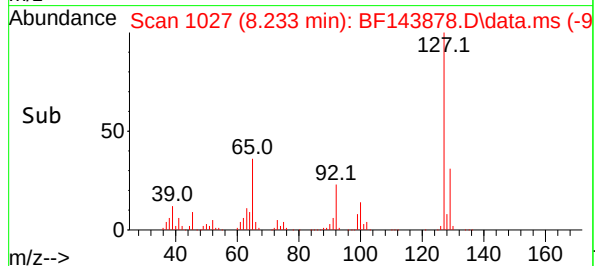
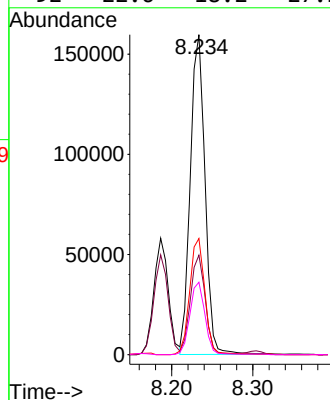
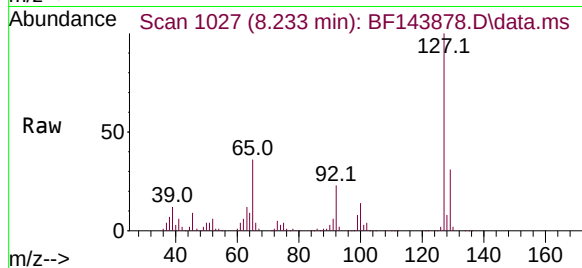
#33
4-Chloroaniline
Concen: 20.924 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 200545
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

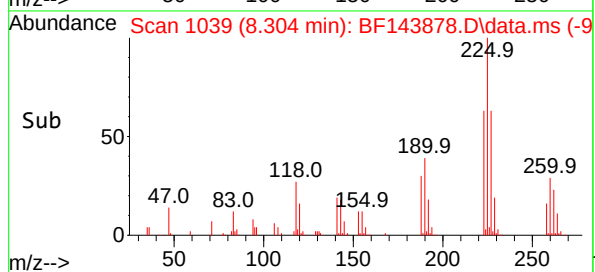
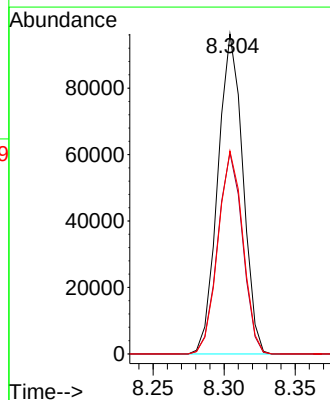
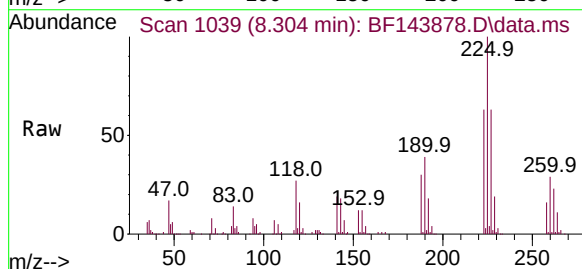
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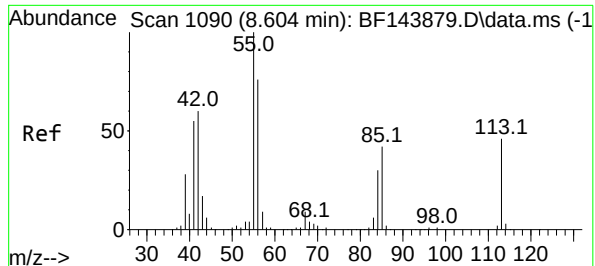
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





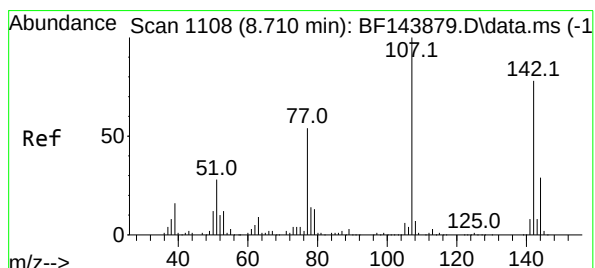
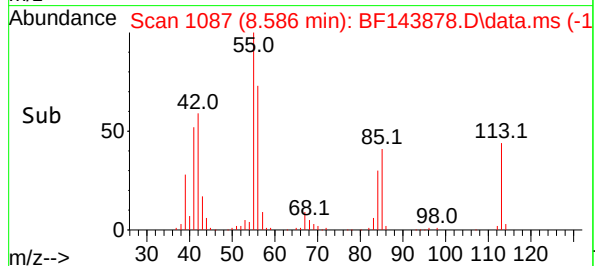
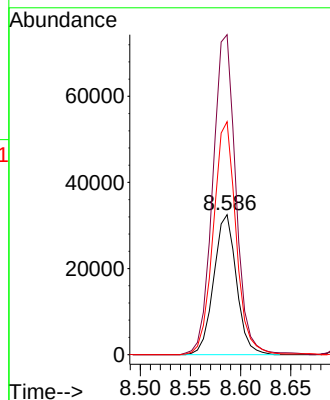
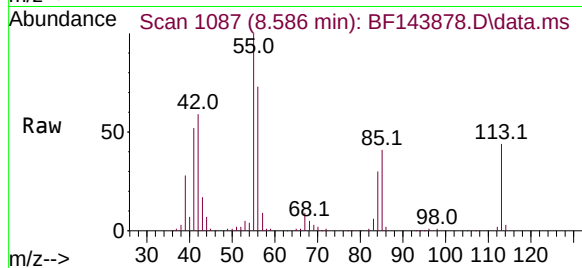
#35
Caprolactam
Concen: 19.505 ng
RT: 8.586 min Scan# 1090
Delta R.T. -0.059 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 51159
Ion Ratio Lower Upper
113 100
55 228.6 199.6 239.6
56 166.4 146.0 186.0

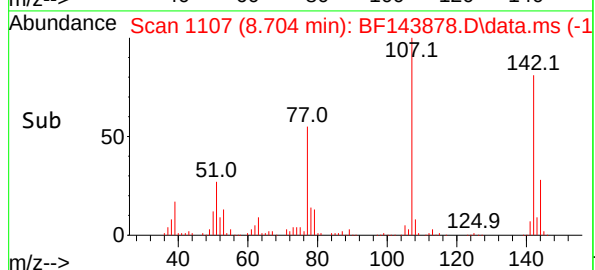
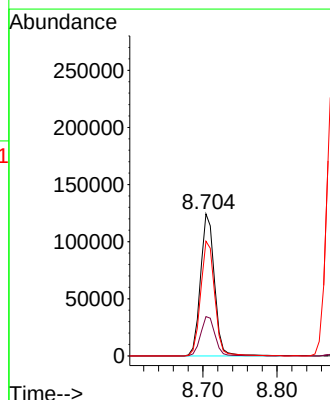
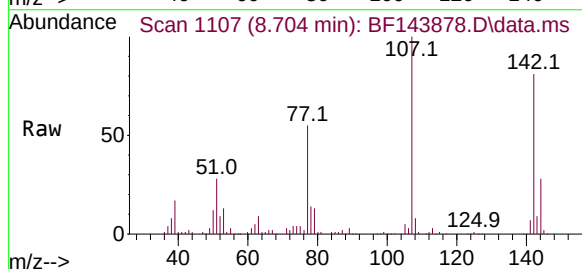
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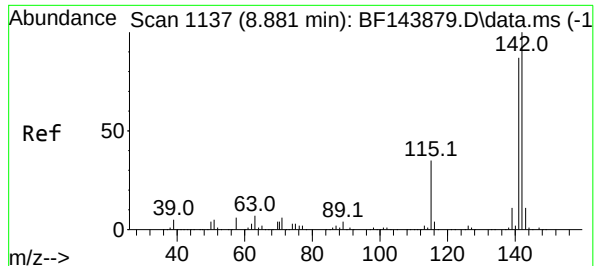
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1136

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:142 Resp: 36740

Ion Ratio Lower Upper

142 100

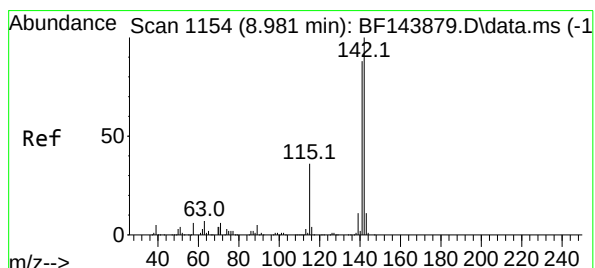
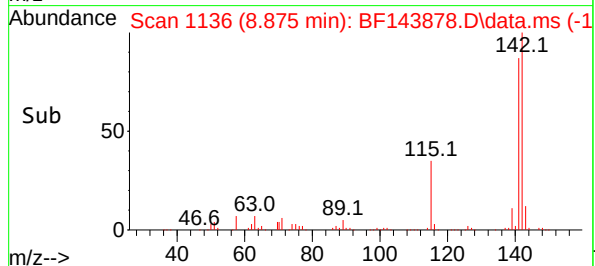
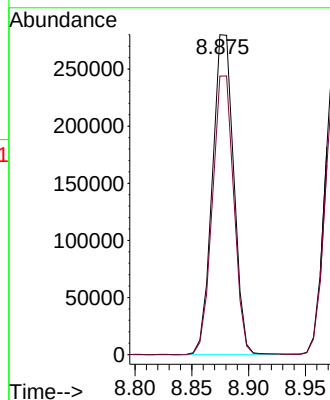
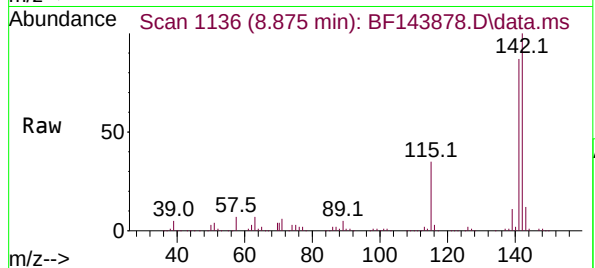
141 87.0 69.2 103.8

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 21.407 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF143878.D

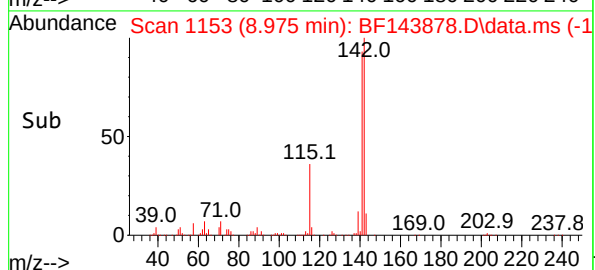
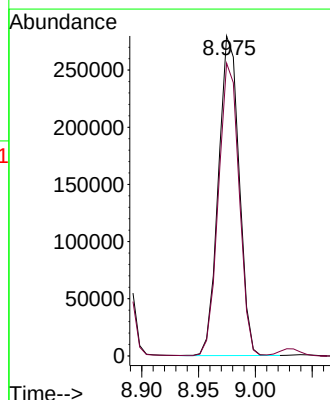
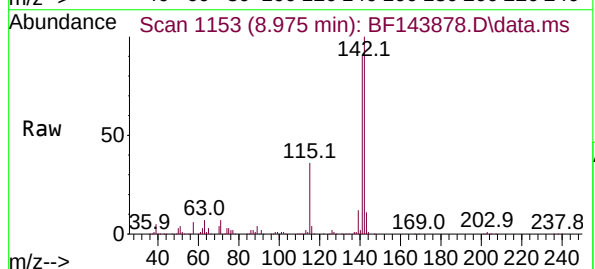
Acq: 06 Oct 2025 11:56

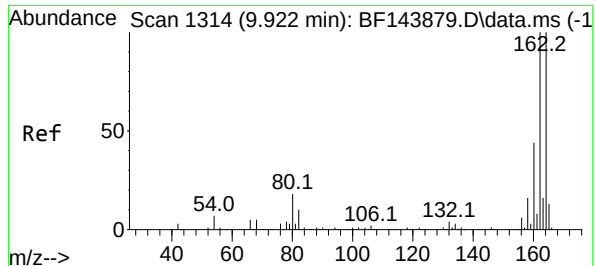
Tgt Ion:142 Resp: 353459

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# 1314

Delta R.T. -0.005 min

Lab File: BF143878.D

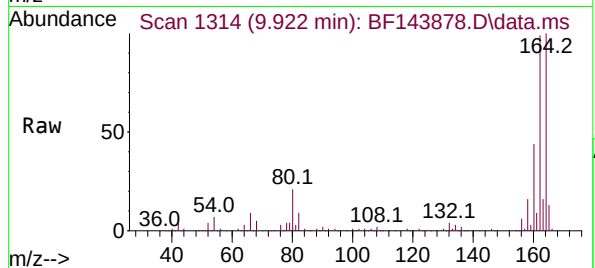
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

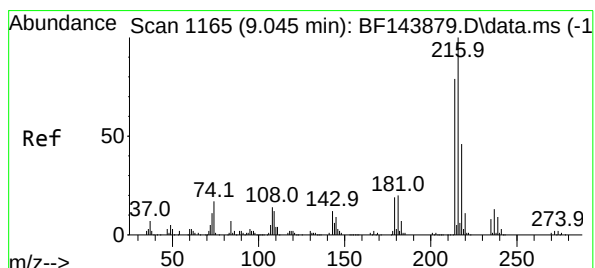
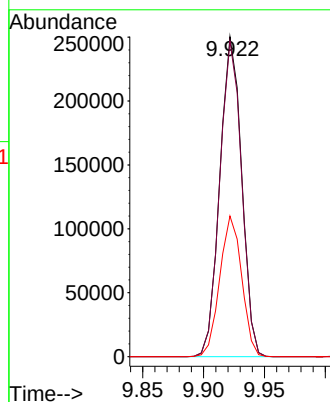
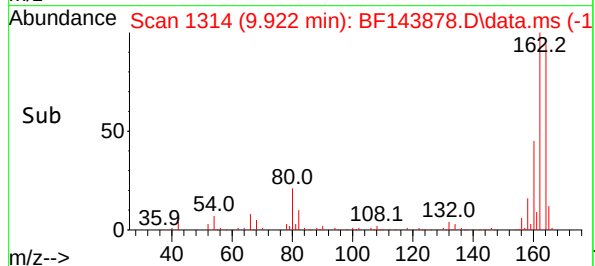


Tgt Ion:	164	Resp:	311297
Ion Ratio	Lower	Upper	
164	100		
162	98.6	80.2	120.2
160	43.9	35.4	53.0

Manual Integrations
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Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

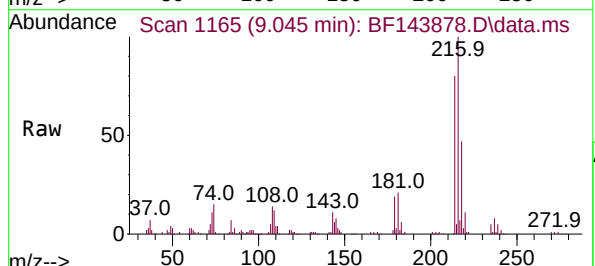
Concen: 21.523 ng

RT: 9.045 min Scan# 1165

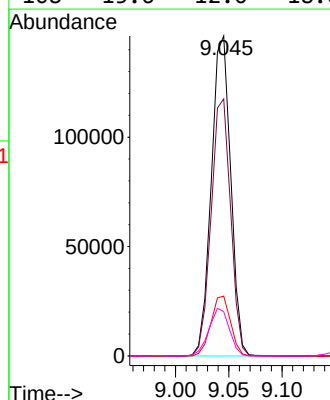
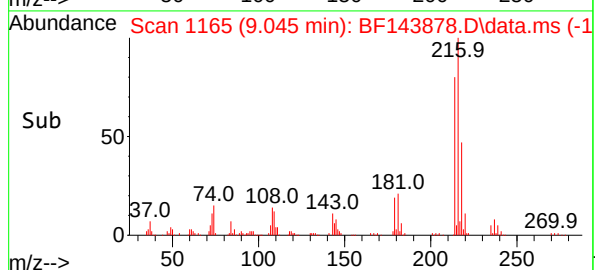
Delta R.T. -0.006 min

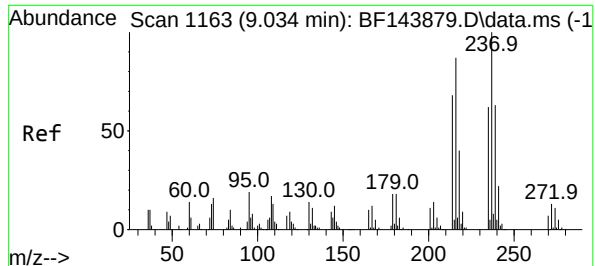
Lab File: BF143878.D

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





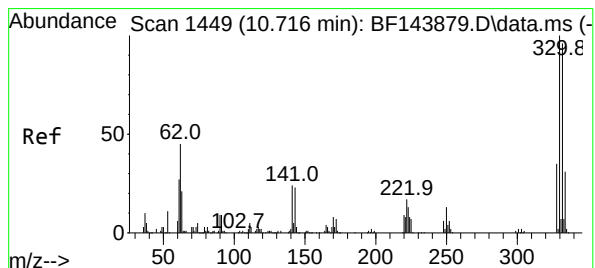
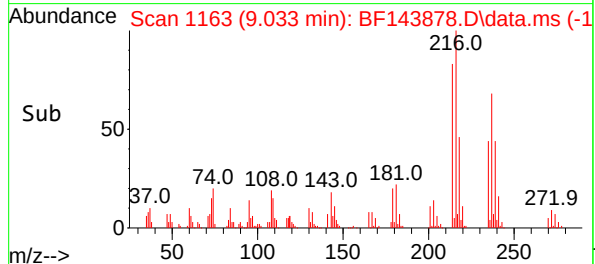
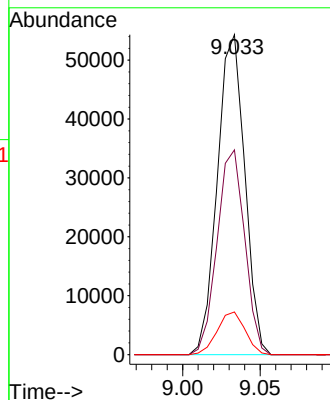
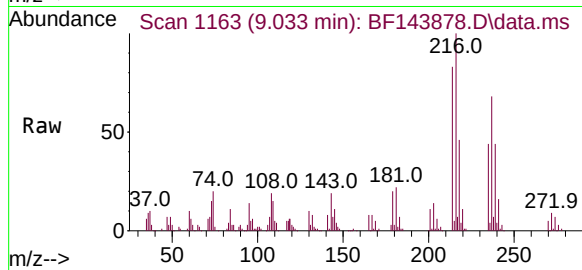
#41
Hexachlorocyclopentadiene
Concen: 18.807 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion: 237 Resp: 67128
Ion Ratio Lower Upper
237 100
235 64.0 42.3 82.3
272 13.4 0.0 33.1

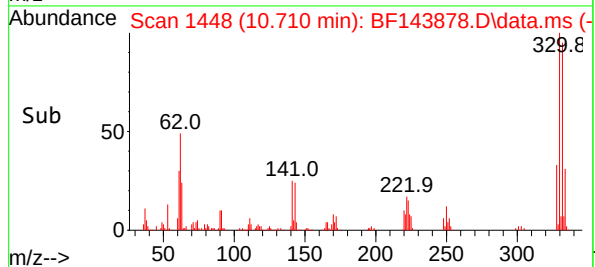
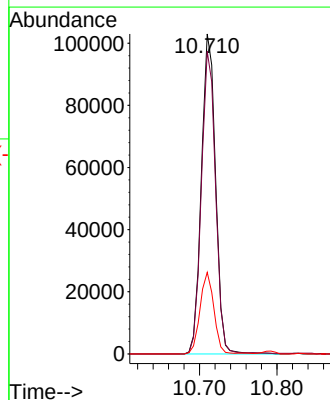
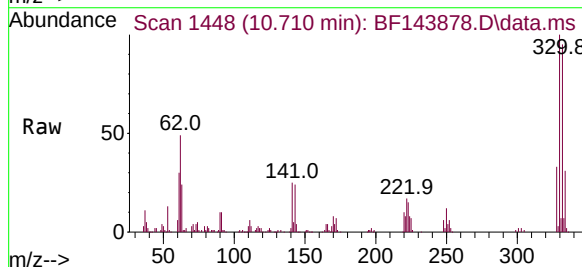
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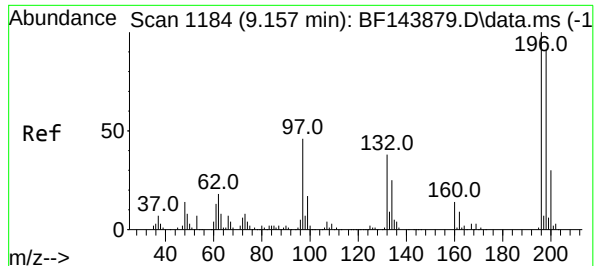
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1183

Delta R.T. -0.012 min

Lab File: BF143878.D

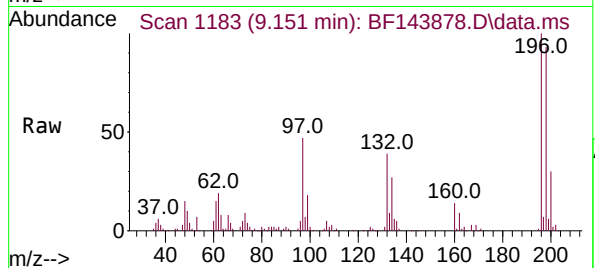
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 13274

Ion Ratio Lower Upper

196 100

198 93.3 72.8 109.2

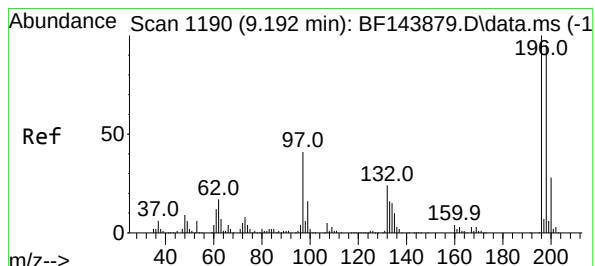
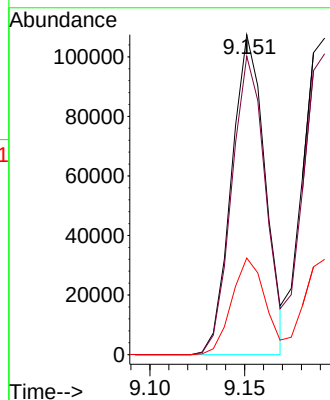
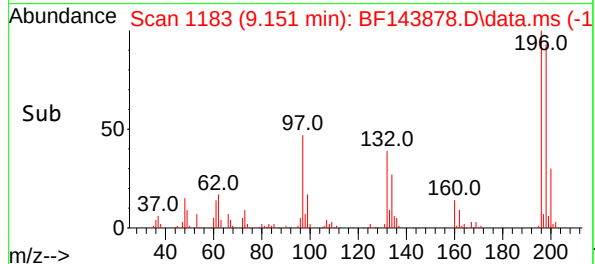
200 30.2 24.0 36.0

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

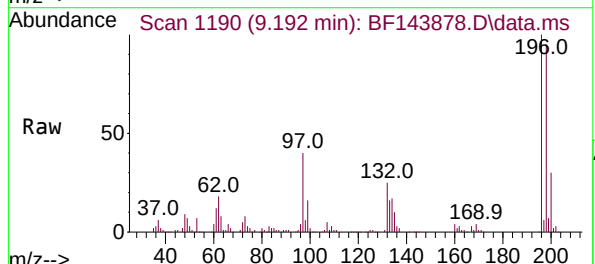
Concen: 21.532 ng

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

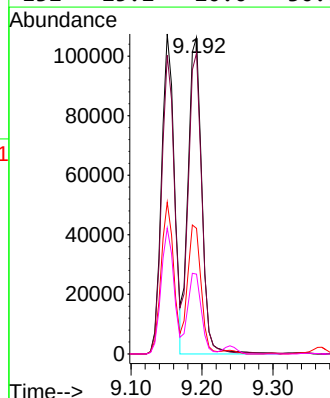
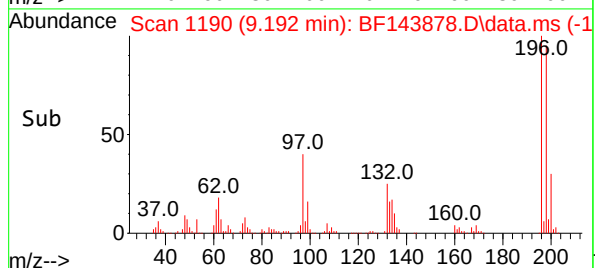
Ion Ratio Lower Upper

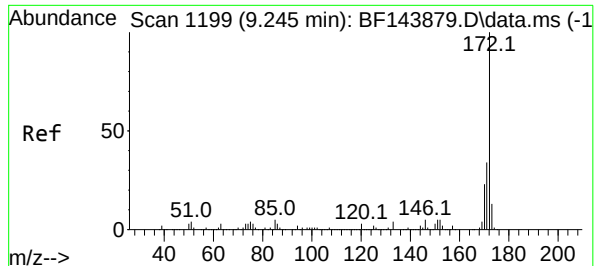
196 100

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# 1199

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 831185

Ion Ratio Lower Upper

172 100

171 34.6 27.4 41.0

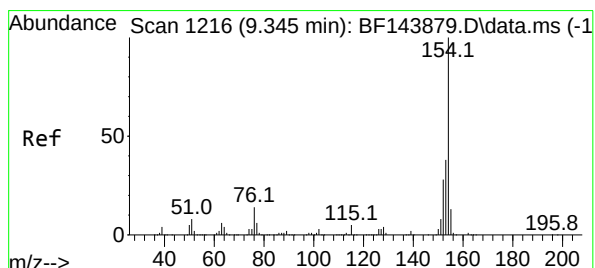
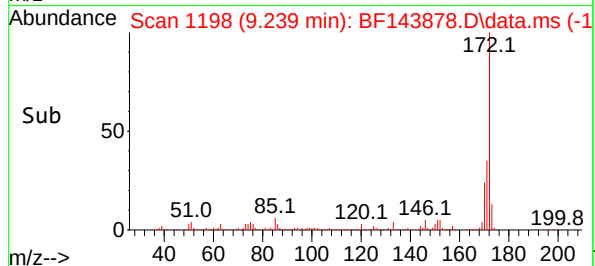
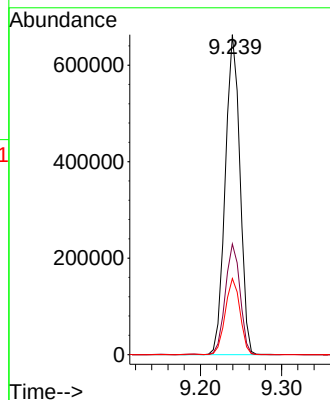
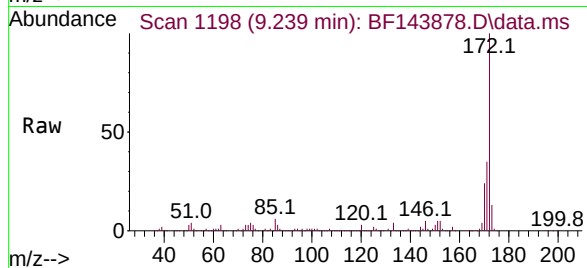
170 23.8 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

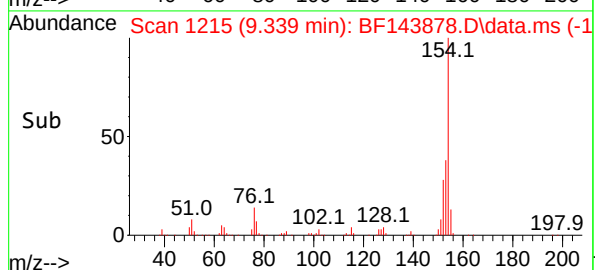
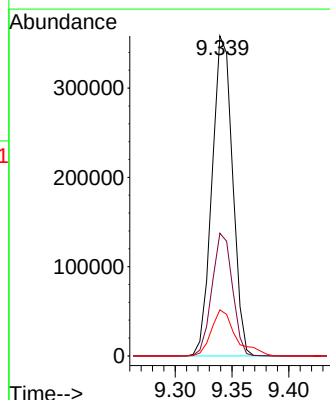
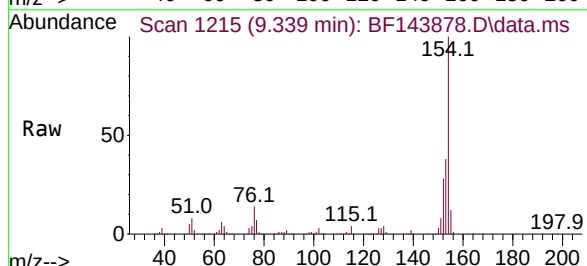
Tgt Ion:154 Resp: 450706

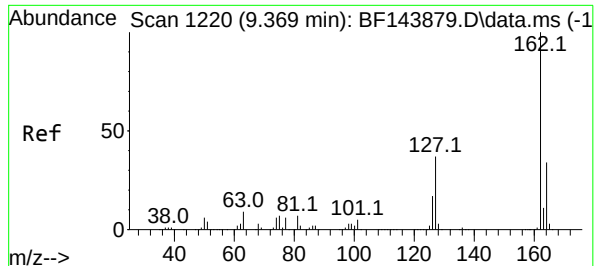
Ion Ratio Lower Upper

154 100

153 38.3 18.4 58.4

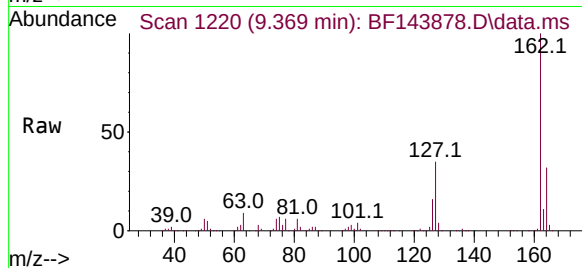
76 14.4 0.0 34.0





#47
2-Chloronaphthalene
Concen: 21.679 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

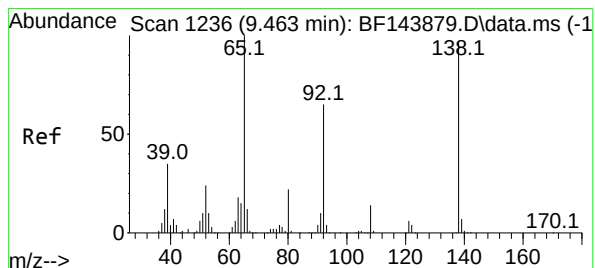
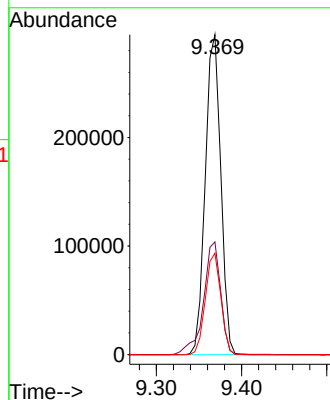
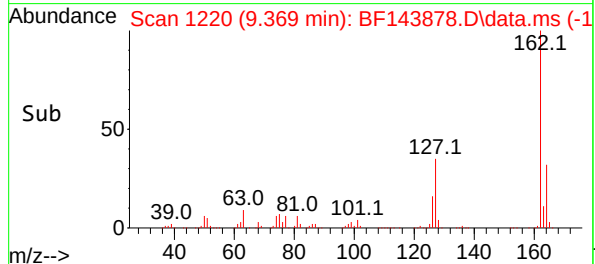
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



Tgt Ion: 162 Resp: 372531
Ion Ratio Lower Upper
162 100
127 35.2 30.2 45.2
164 31.7 26.9 40.3

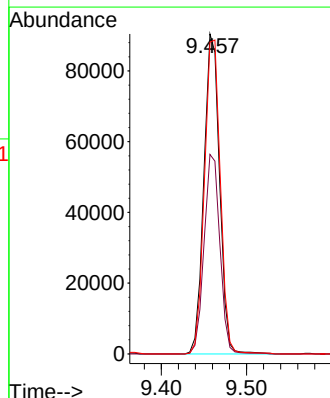
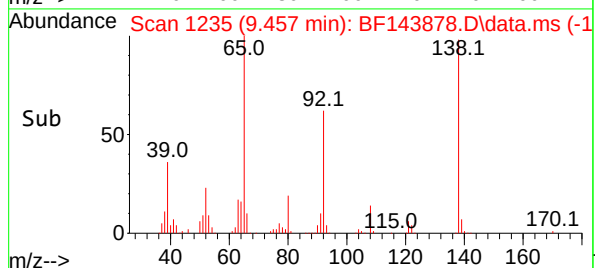
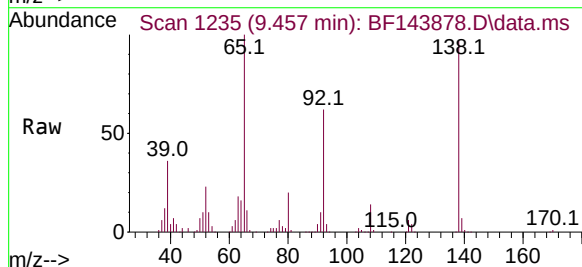
Manual Integrations
APPROVED

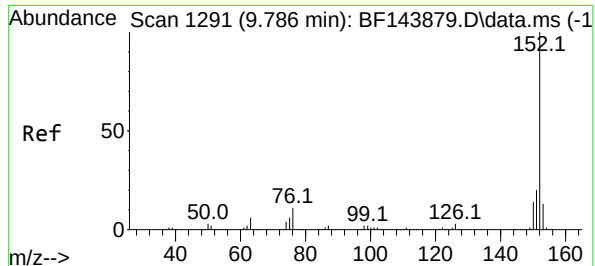
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1290

Delta R.T. -0.006 min

Lab File: BF143878.D

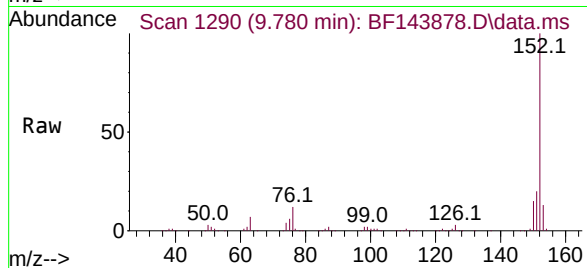
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 512980

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

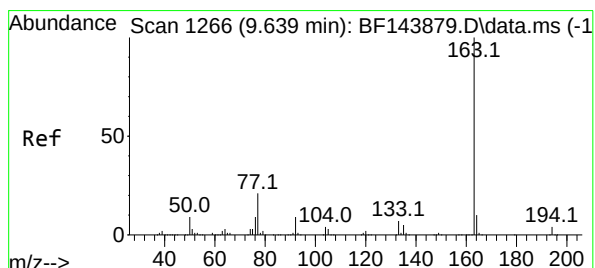
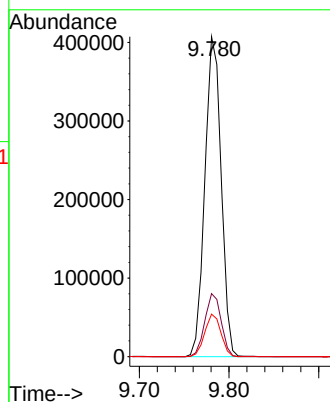
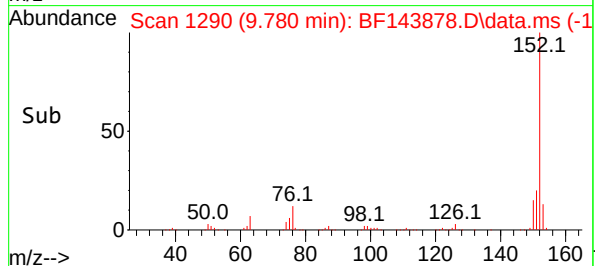
153 13.3 10.5 15.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

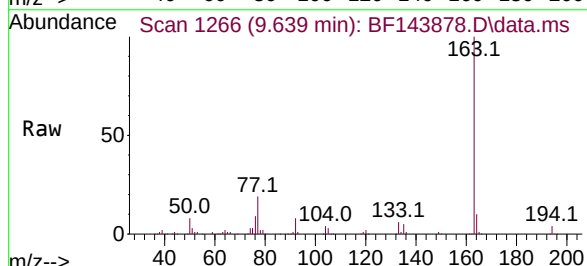
Concen: 21.011 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56



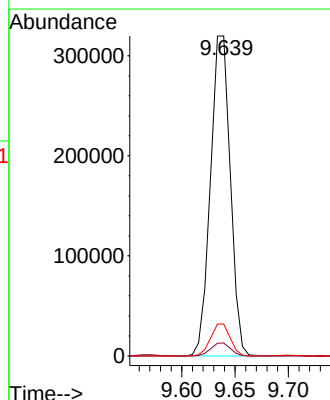
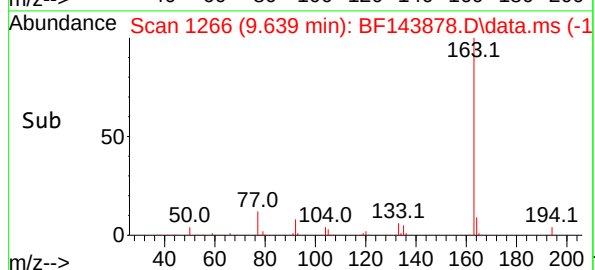
Tgt Ion:163 Resp: 415359

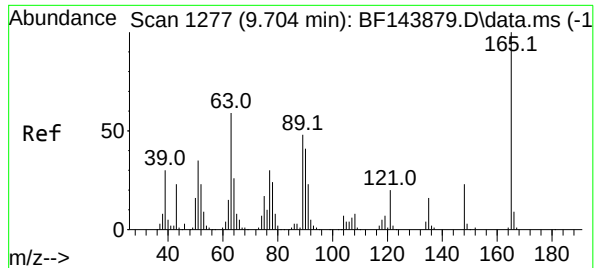
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

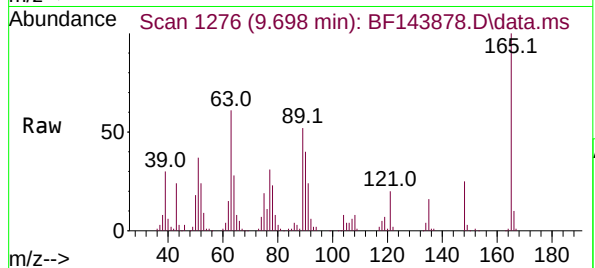
164 9.9 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 20.831 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

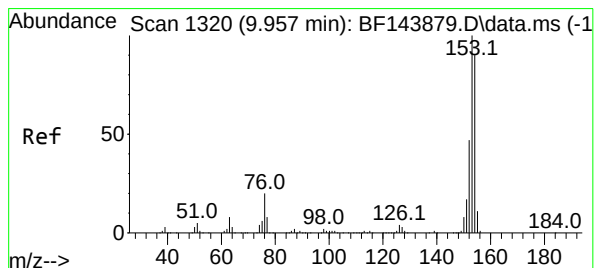
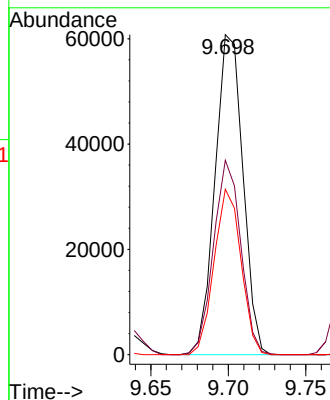
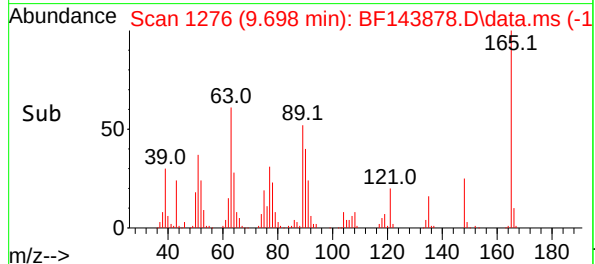
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 76360
Ion Ratio Lower Upper
165 100
63 60.7 47.3 70.9
89 51.7 38.2 57.4

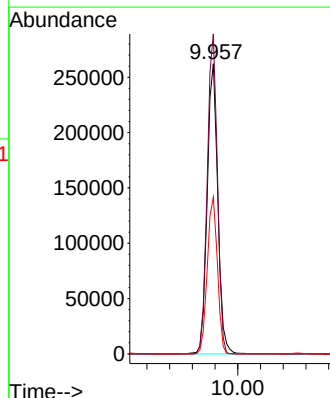
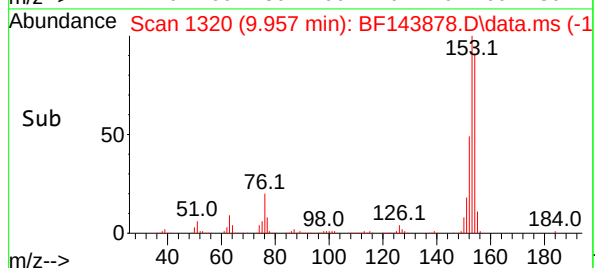
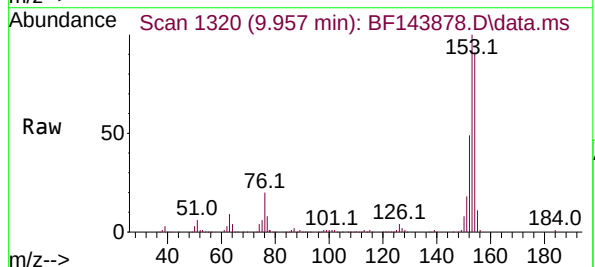
Manual Integrations
APPROVED

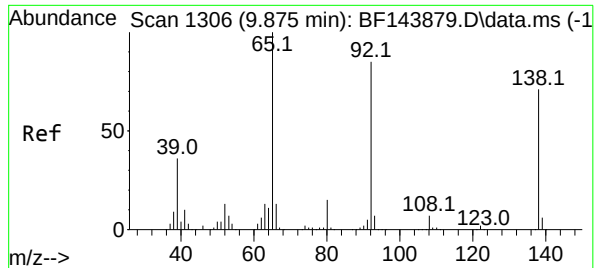
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





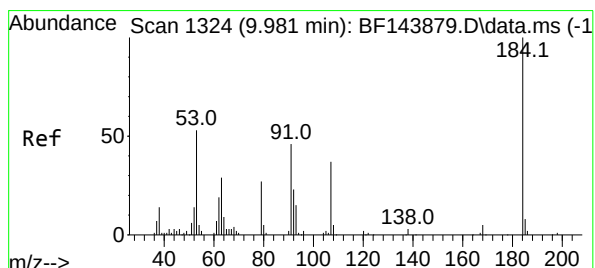
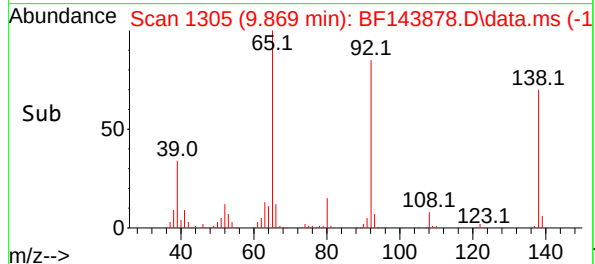
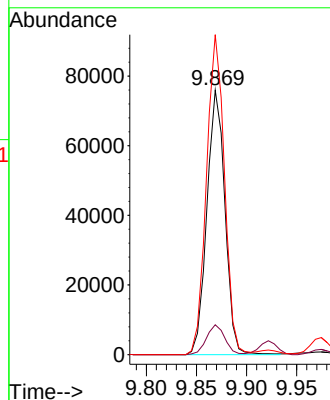
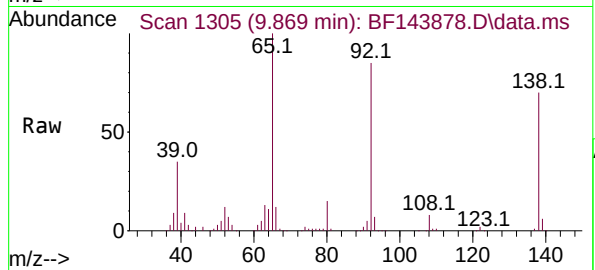
#53
3-Nitroaniline
Concen: 21.194 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 95127
Ion Ratio Lower Upper
138 100
108 11.3 8.3 12.5
92 121.0 96.2 144.2

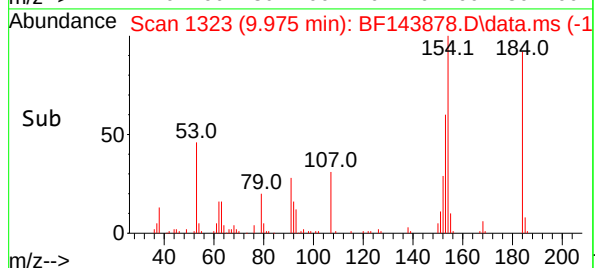
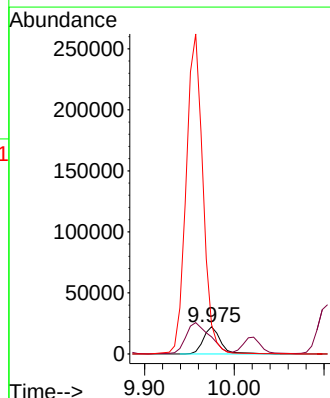
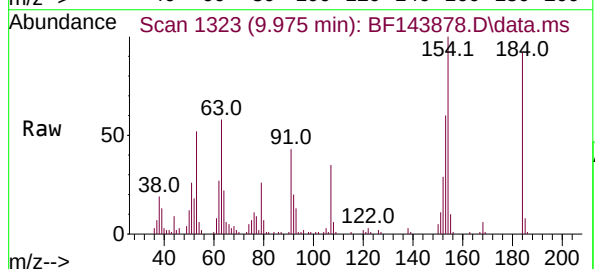
Manual Integrations
APPROVED

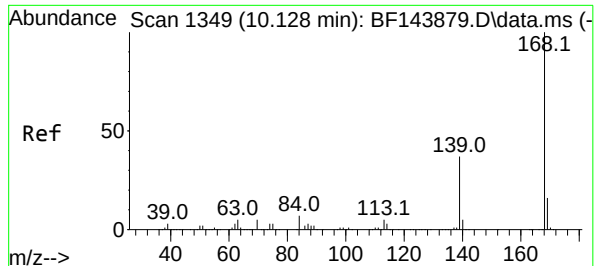
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1349

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 489250

Ion Ratio Lower Upper

168 100

139 35.9 29.8 44.8

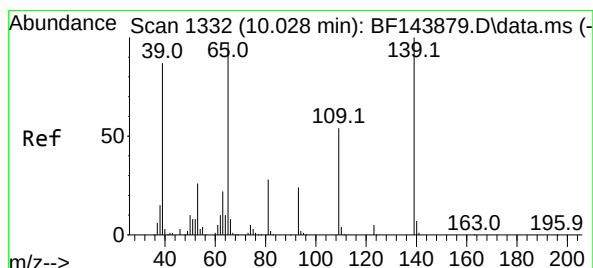
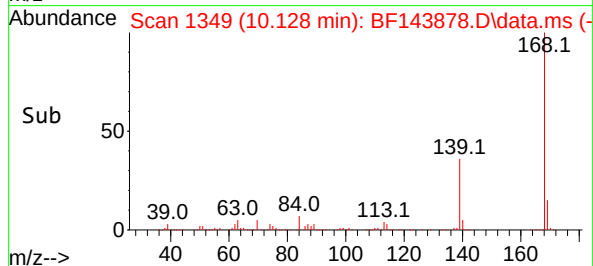
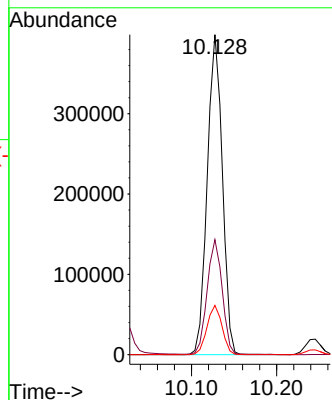
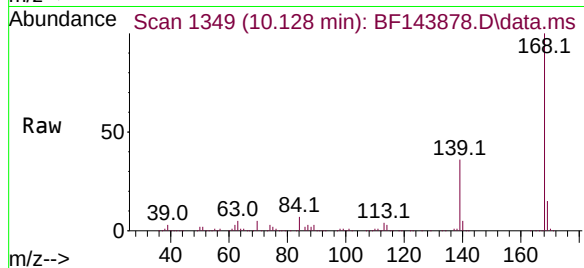
169 15.4 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

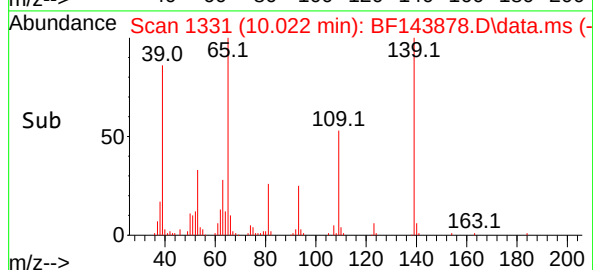
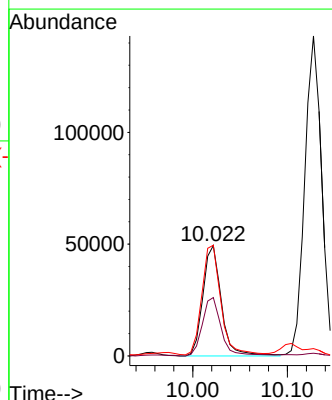
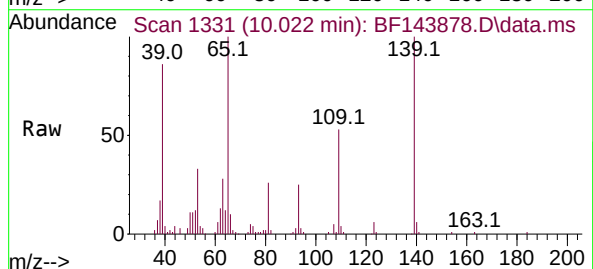
Tgt Ion:139 Resp: 66930

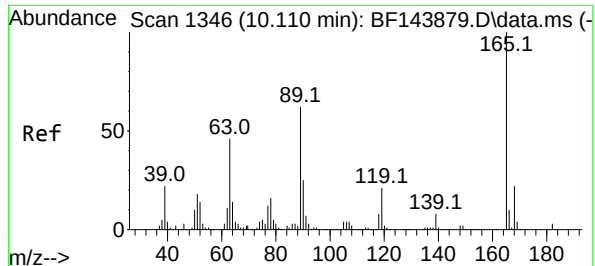
Ion Ratio Lower Upper

139 100

109 52.9 34.5 74.5

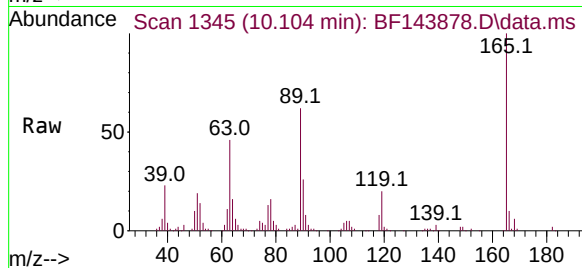
65 100.3 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 21.280 ng
RT: 10.104 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

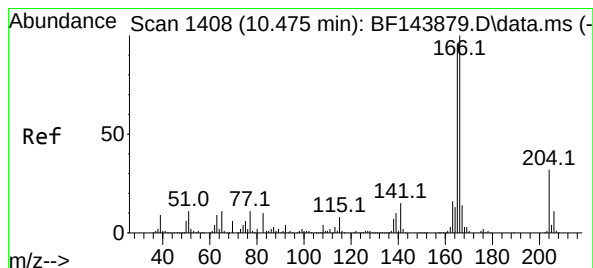
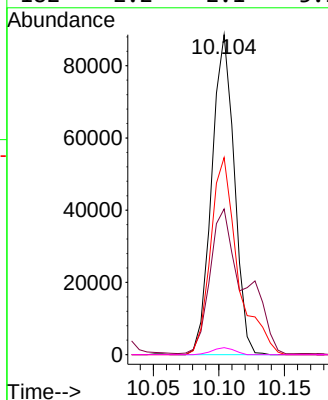
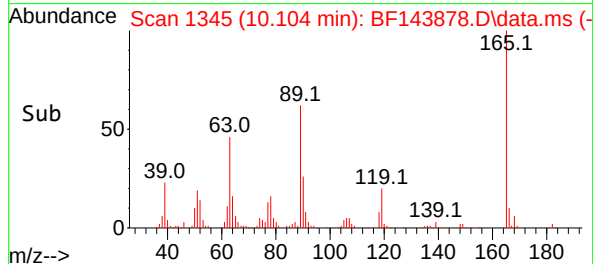
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 106136
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

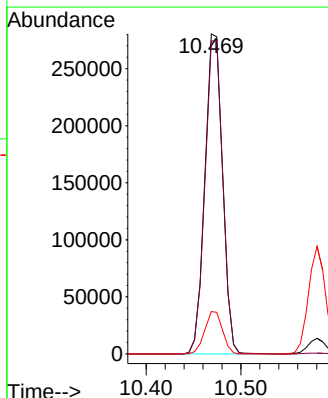
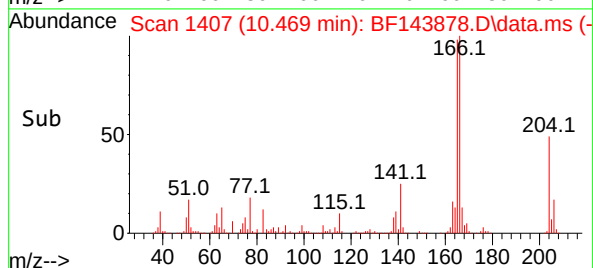
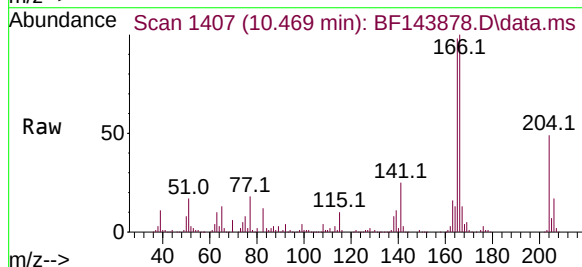
Manual Integrations
APPROVED

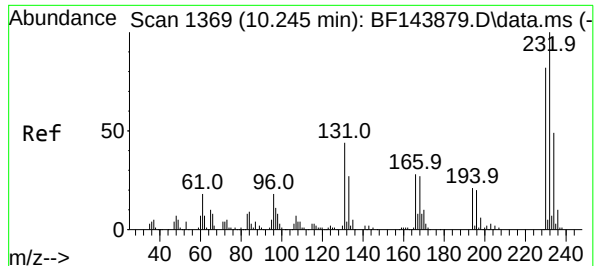
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

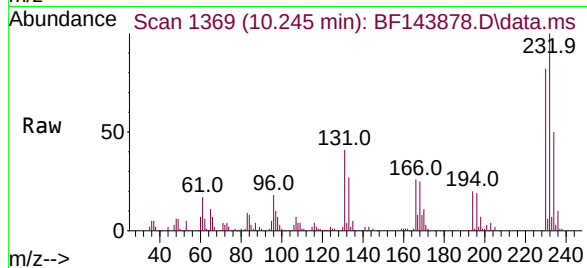
Tgt Ion:166 Resp: 365206
Ion Ratio Lower Upper
166 100
165 97.8 77.0 115.6
167 13.2 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.869 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

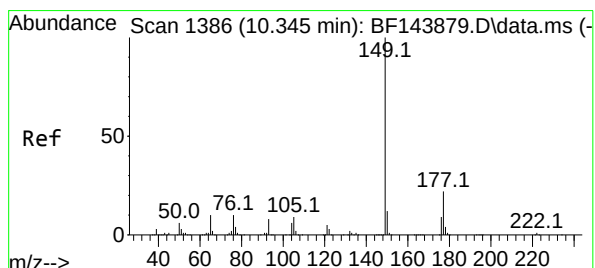
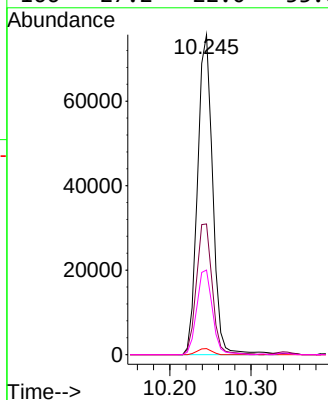
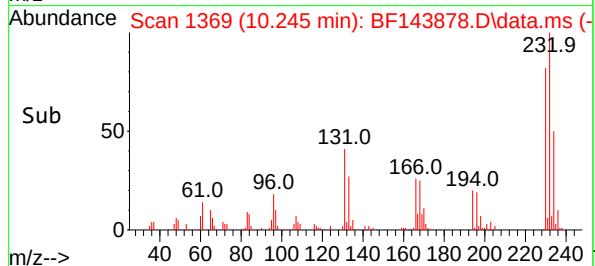
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



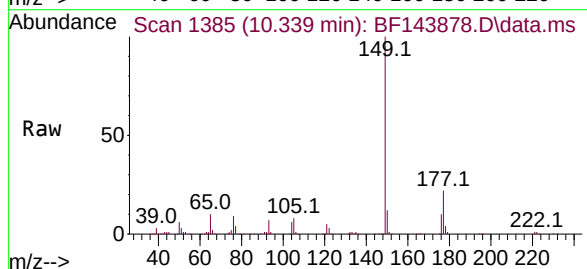
Tgt Ion:232 Resp: 98138
Ion Ratio Lower Upper
232 100
131 42.6 34.9 52.3
130 1.8 1.6 2.4
166 27.2 22.0 33.0

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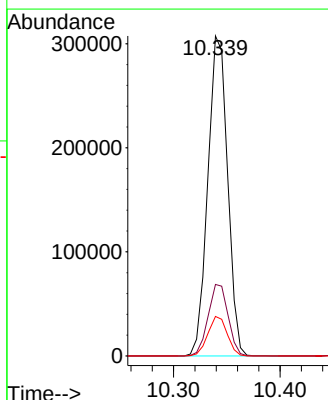
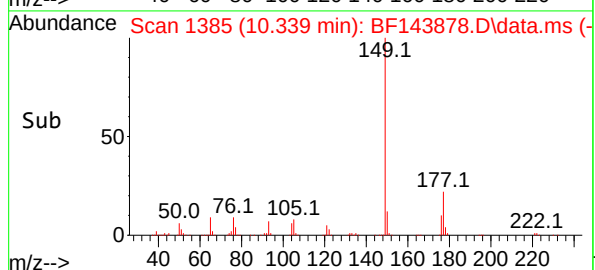
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

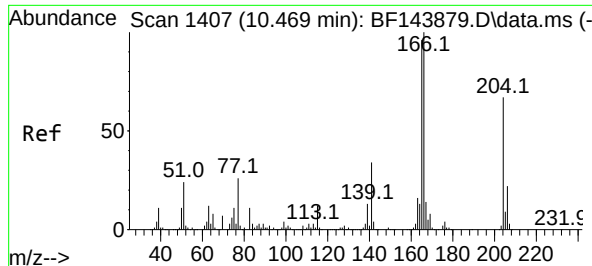


#60
Diethylphthalate
Concen: 21.575 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



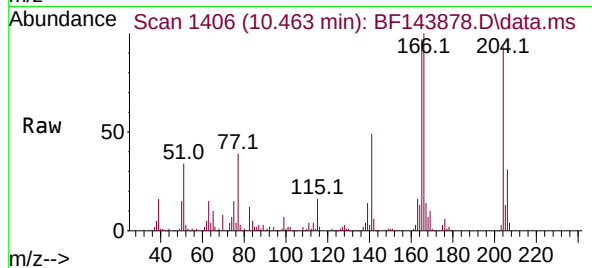
Tgt Ion:149 Resp: 396233
Ion Ratio Lower Upper
149 100
177 22.3 17.9 26.9
150 12.3 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 21.860 ng
RT: 10.463 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

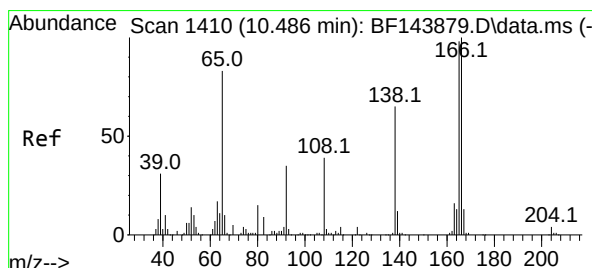
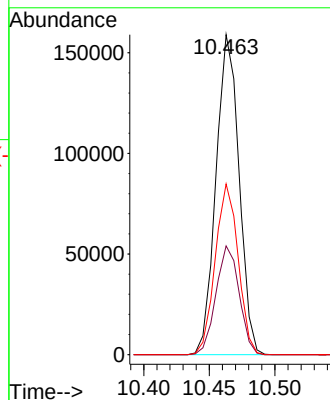
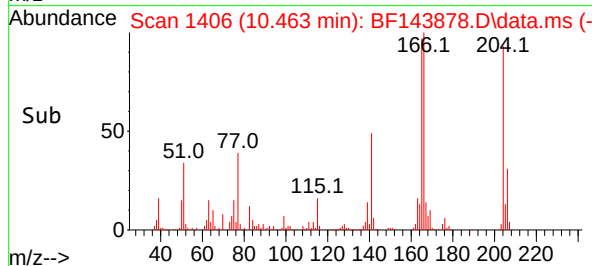
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 194875
Ion Ratio Lower Upper
204 100
206 34.0 26.6 40.0
141 53.4 40.4 60.6

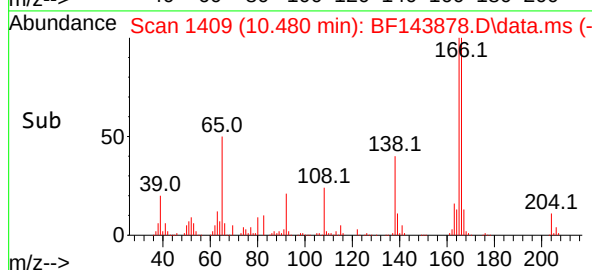
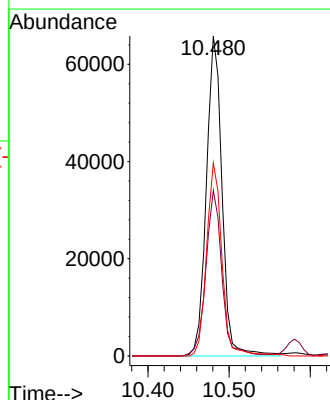
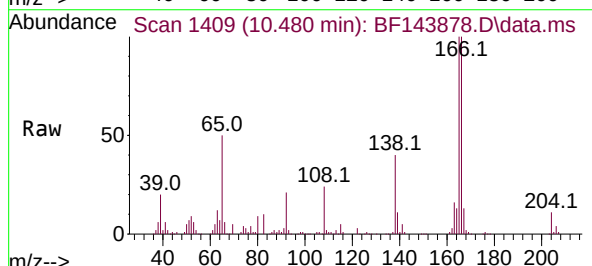
Manual Integrations
APPROVED

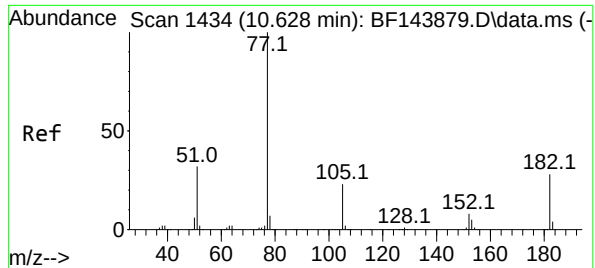
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

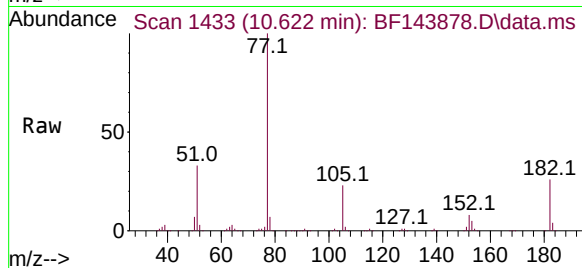
Tgt Ion:138 Resp: 88594
Ion Ratio Lower Upper
138 100
92 51.7 33.9 73.9
108 60.3 40.2 80.2





#63
Azobenzene
Concen: 21.218 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

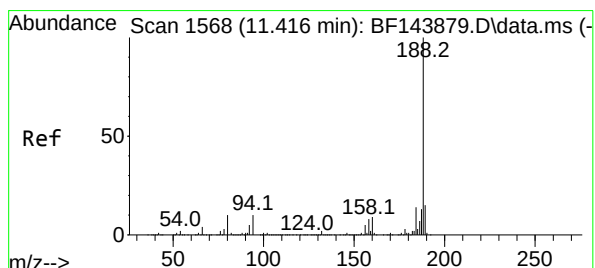
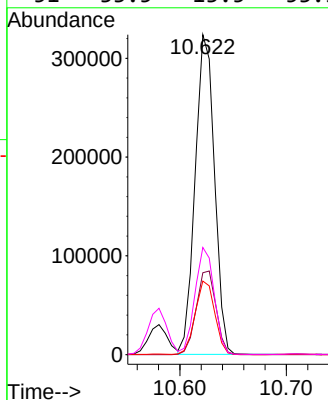
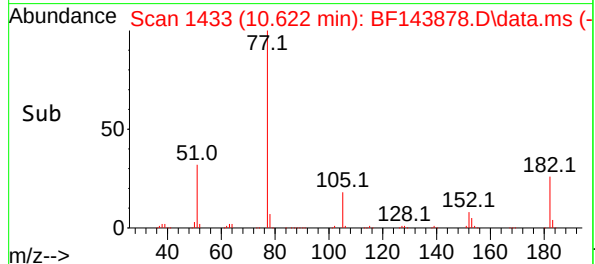
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



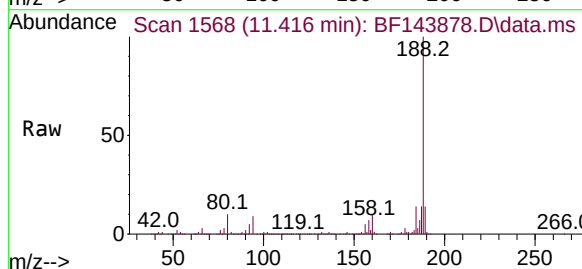
Tgt Ion: 77 Resp: 407261
Ion Ratio Lower Upper
77 100
182 25.6 7.3 47.3
105 23.0 3.0 43.0
51 33.5 13.5 53.5

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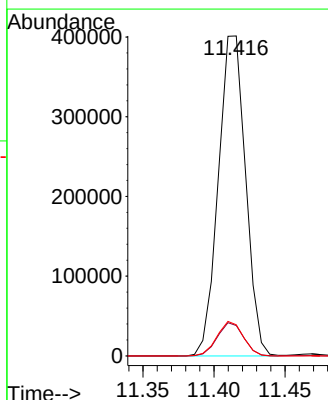
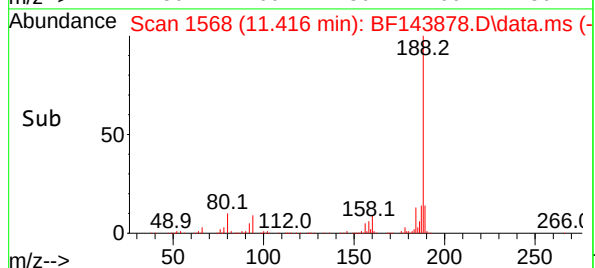
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

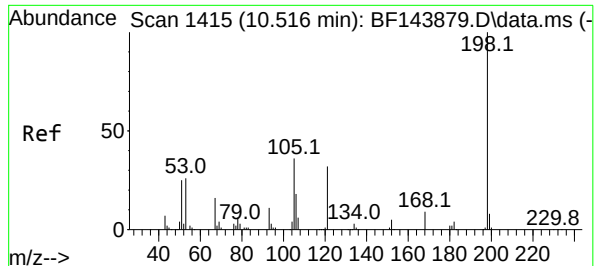


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



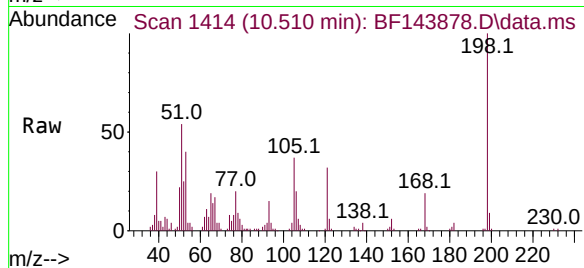
Tgt Ion:188 Resp: 536961
Ion Ratio Lower Upper
188 100
94 9.5 7.8 11.6
80 9.7 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 18.309 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

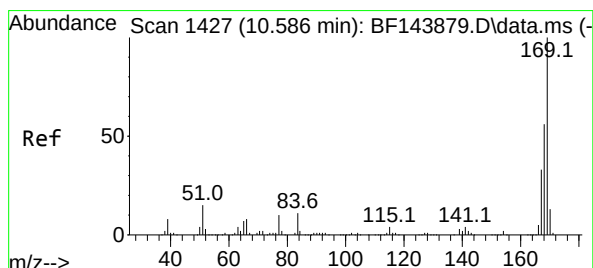
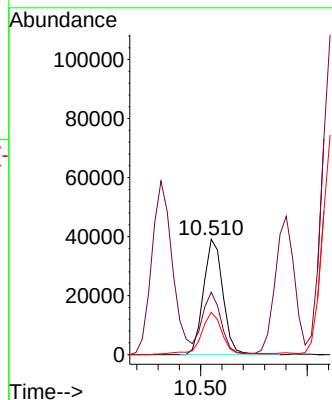
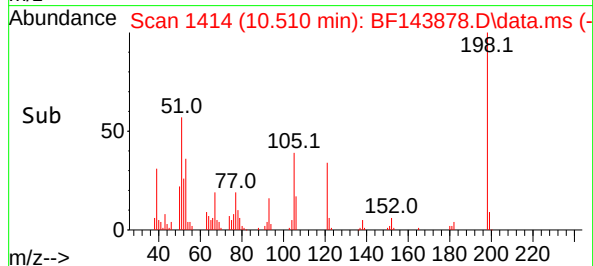
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



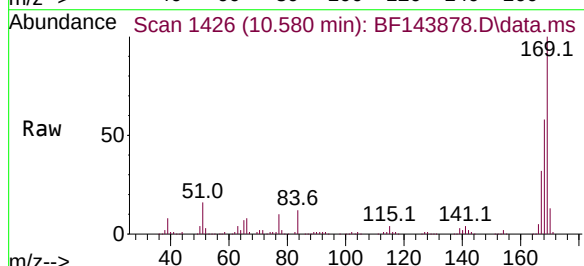
Tgt Ion:198 Resp: 49405
Ion Ratio Lower Upper
198 100
51 54.1 33.8 73.8
105 36.7 17.0 57.0

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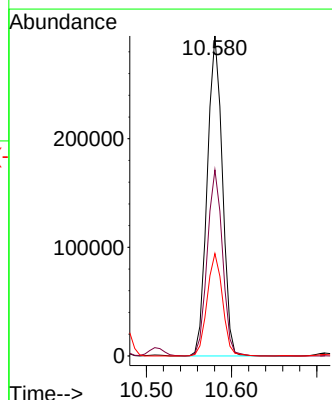
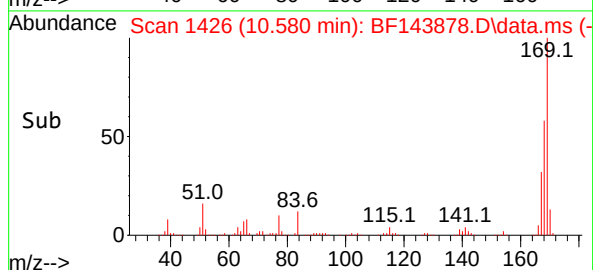
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

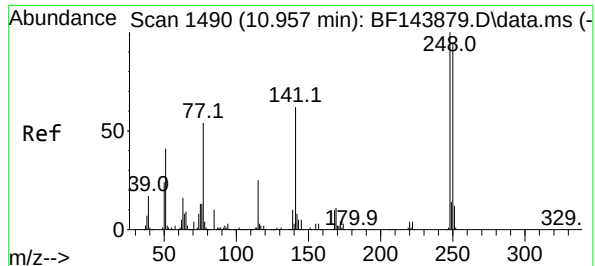


#66
n-Nitrosodiphenylamine
Concen: 21.484 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



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





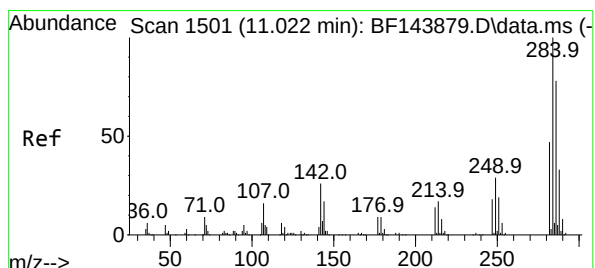
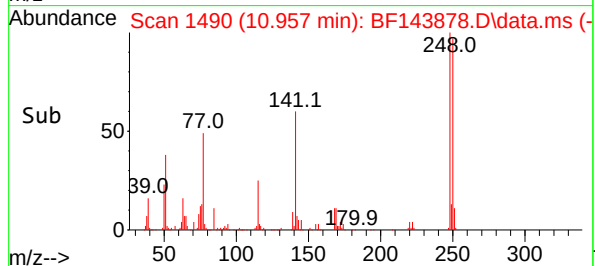
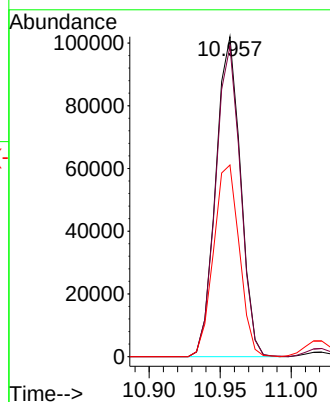
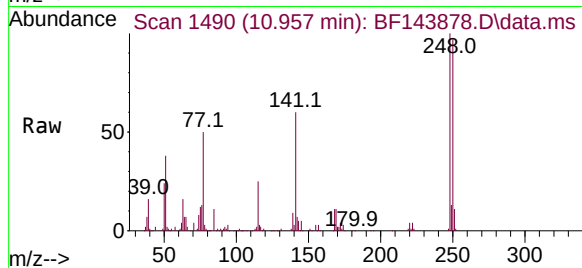
#67
4-Bromophenyl-phenylether
Concen: 20.876 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 123882
Ion Ratio Lower Upper
248 100
250 97.0 76.3 114.5
141 59.9 49.7 74.5

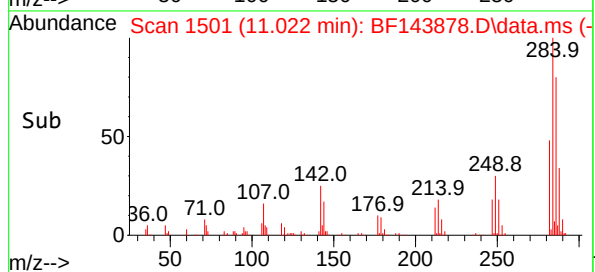
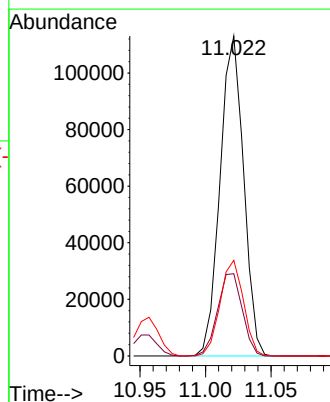
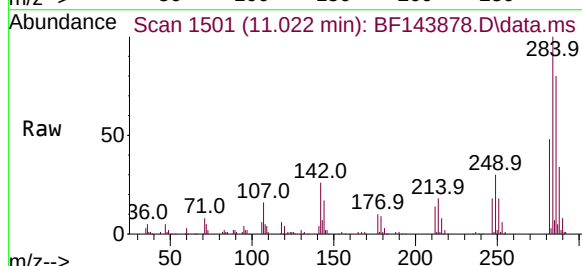
Manual Integrations
APPROVED

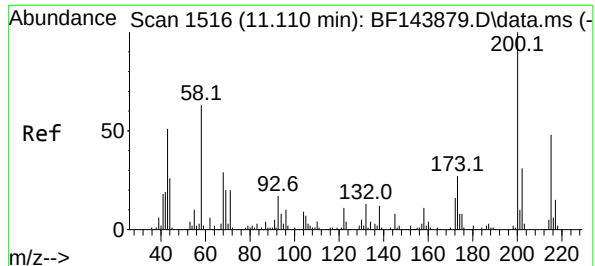
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 11

Delta R.T. -0.018 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 114492

Ion Ratio Lower Upper

200 100

173 27.1 7.0 47.0

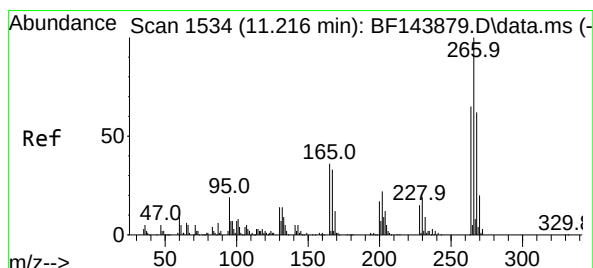
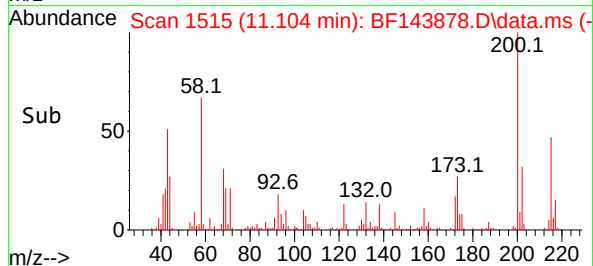
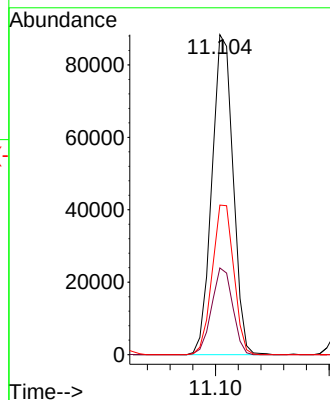
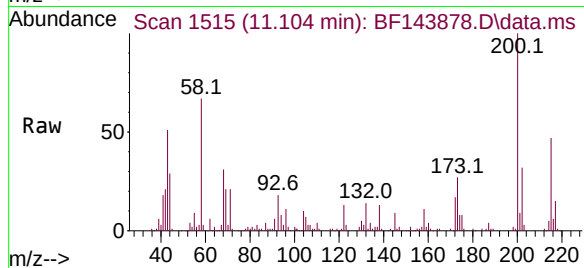
215 46.7 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

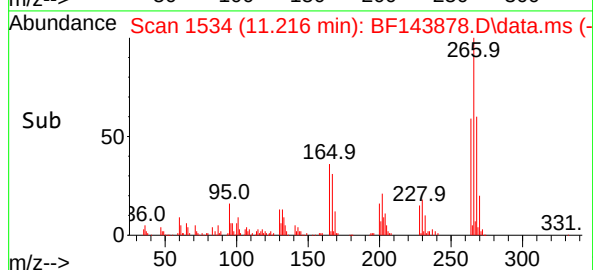
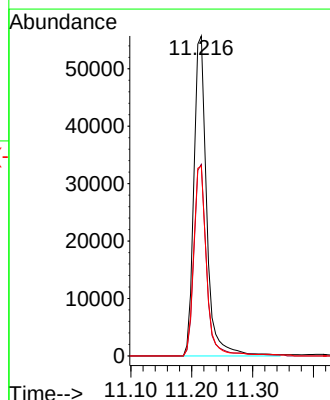
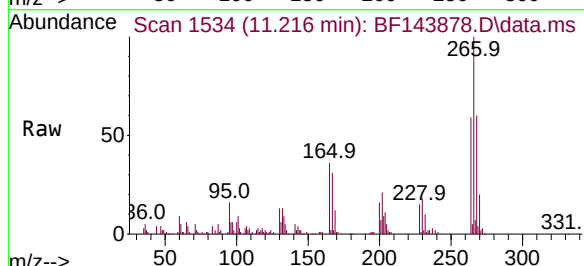
Tgt Ion:266 Resp: 81624

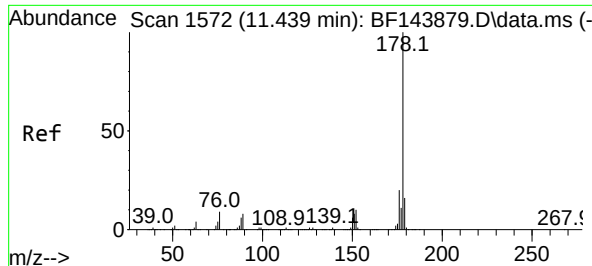
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

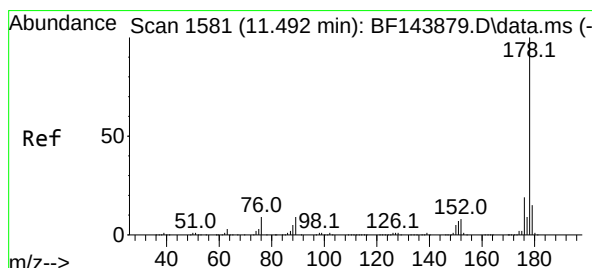
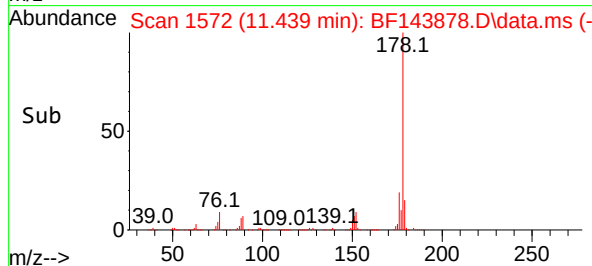
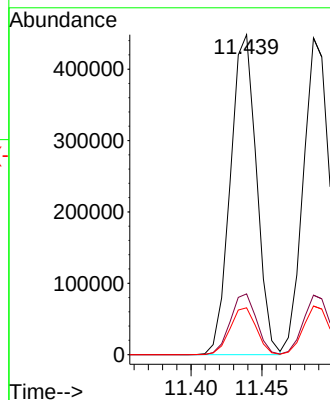
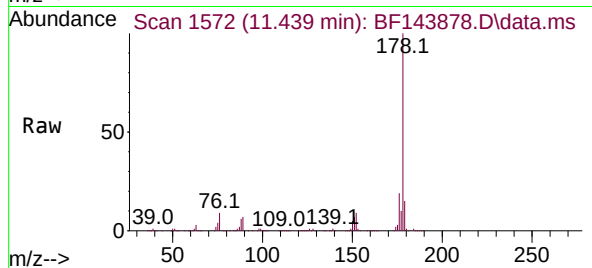
Tgt Ion:	178	Resp:	57215
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.9	23.9
179	14.6	12.4	18.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#72

Anthracene

Concen: 21.588 ng

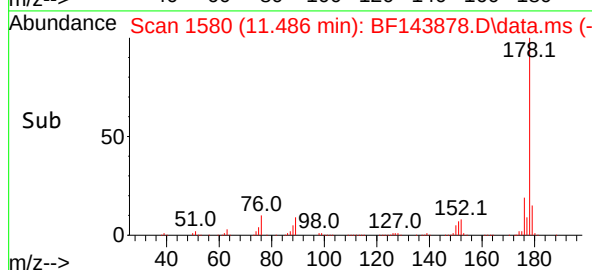
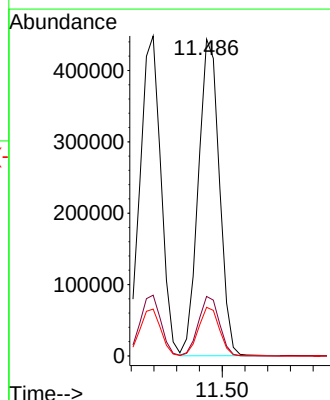
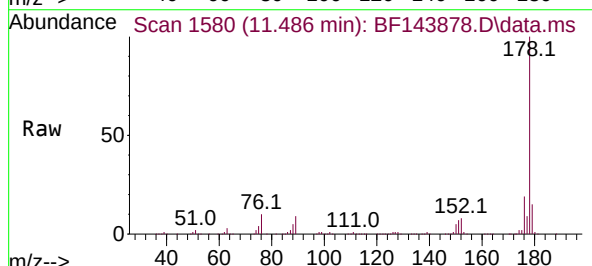
RT: 11.486 min Scan# 1580

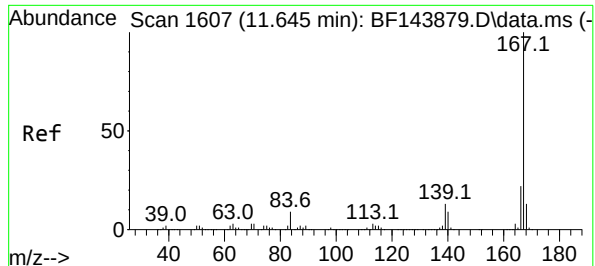
Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

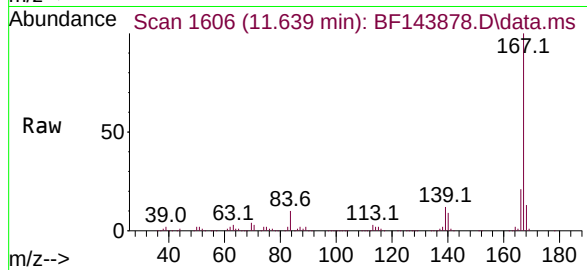
Tgt Ion:	178	Resp:	567724
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	15.3	12.2	18.2





#73
Carbazole
Concen: 21.651 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

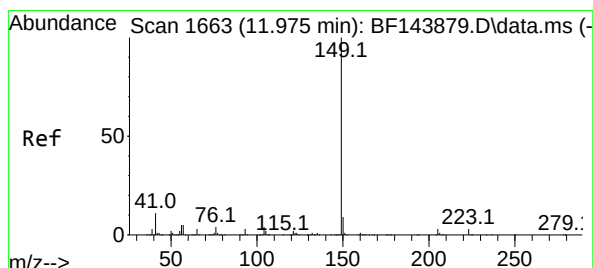
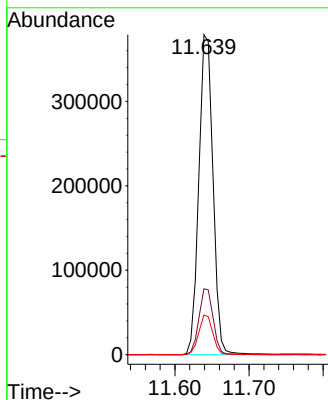
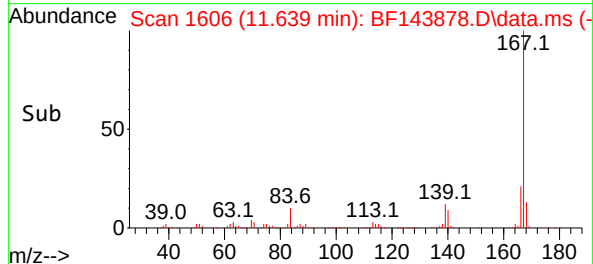
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



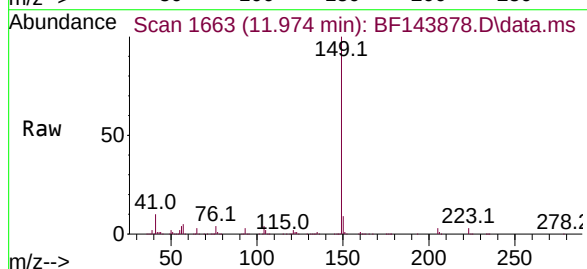
Tgt Ion:167 Resp: 504282
Ion Ratio Lower Upper
167 100
166 20.6 17.2 25.8
139 12.4 10.1 15.1

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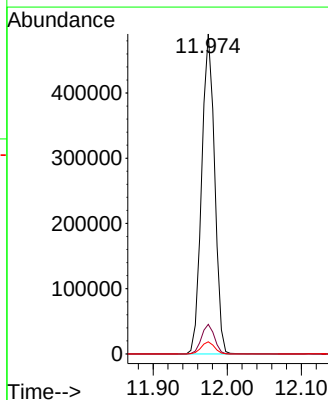
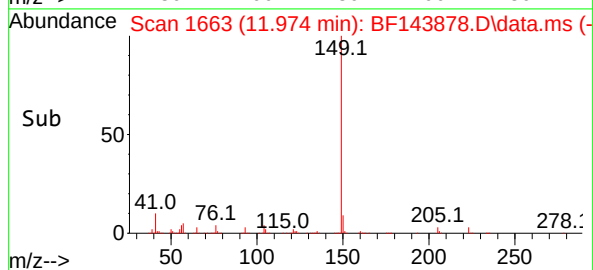
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

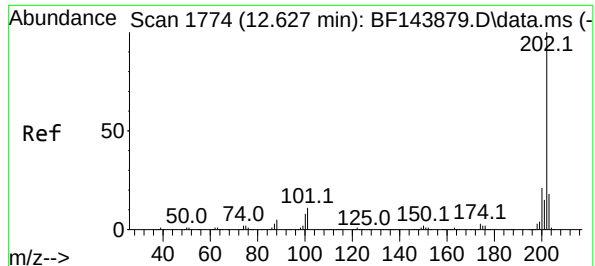


#74
Di-n-butylphthalate
Concen: 22.047 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



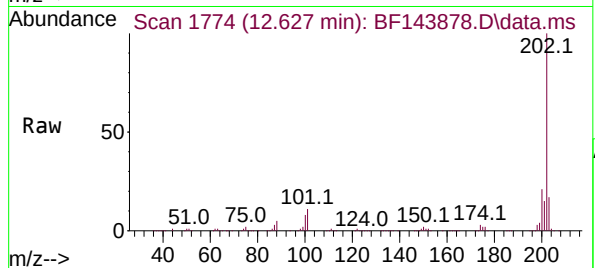
Tgt Ion:149 Resp: 595140
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 3.8 3.4 5.2





#75
Fluoranthene
Concen: 21.843 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

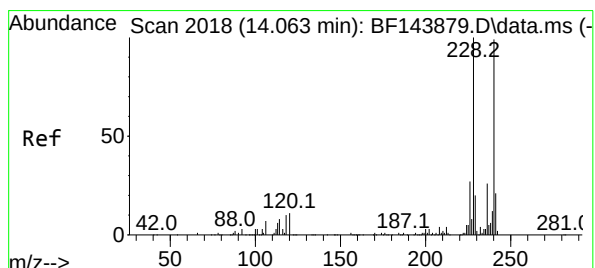
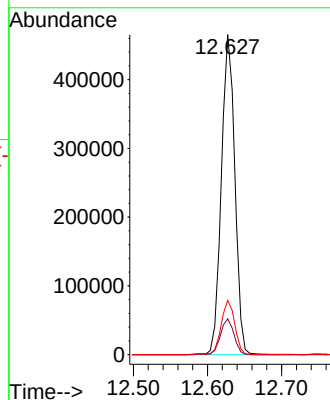
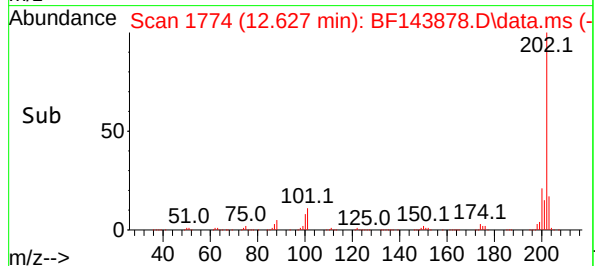
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



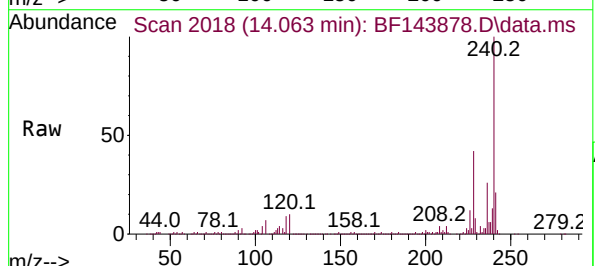
Tgt Ion:202 Resp: 587348
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.7
203 16.9 0.0 37.8

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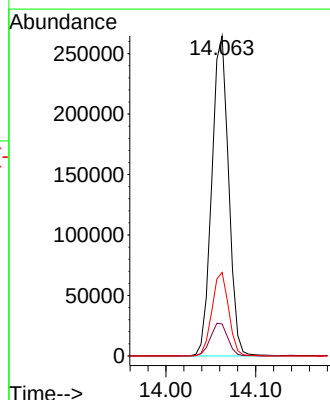
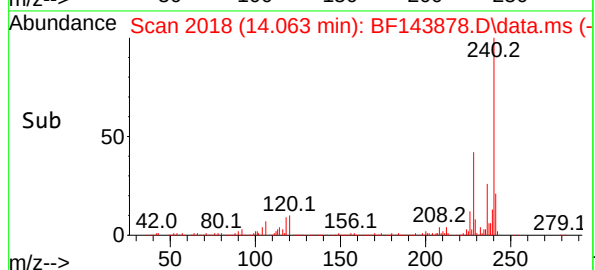
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

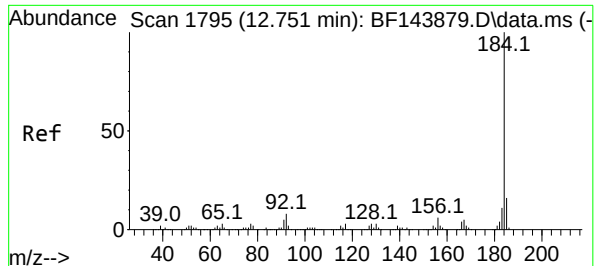


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



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# 1795

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:184 Resp: 249358

Ion Ratio Lower Upper

184 100

185 13.7 12.6 18.8

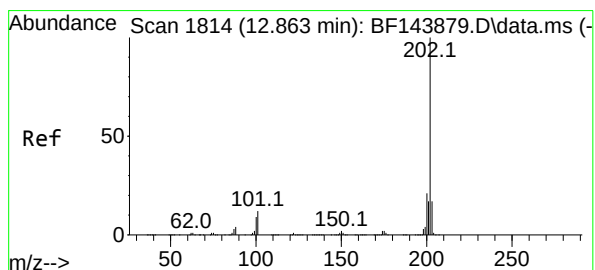
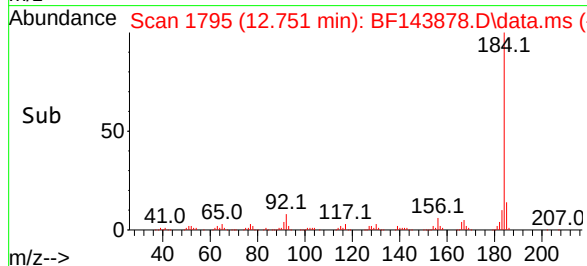
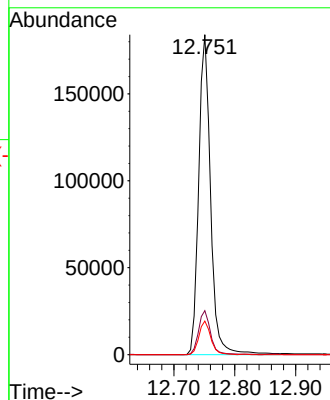
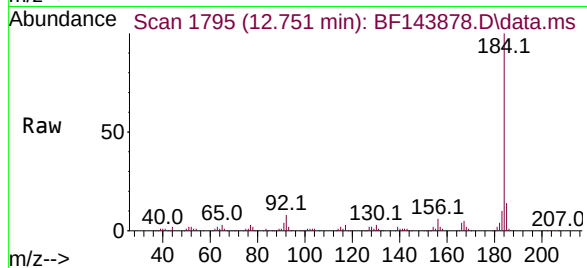
183 10.5 8.8 13.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

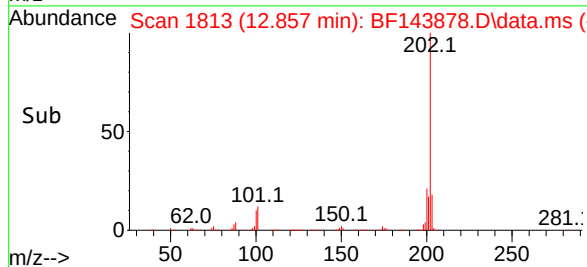
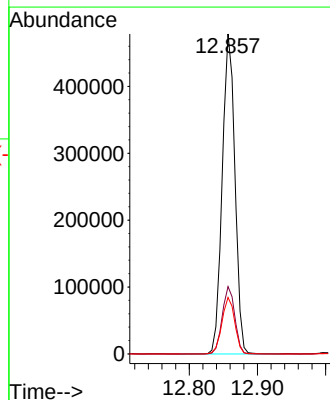
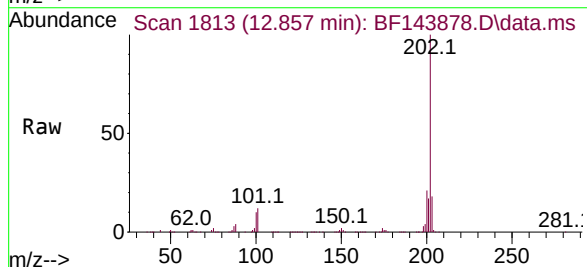
Tgt Ion:202 Resp: 613300

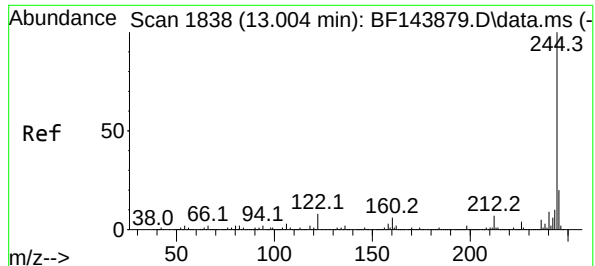
Ion Ratio Lower Upper

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# 1838

Delta R.T. -0.012 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:244 Resp: 881486

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

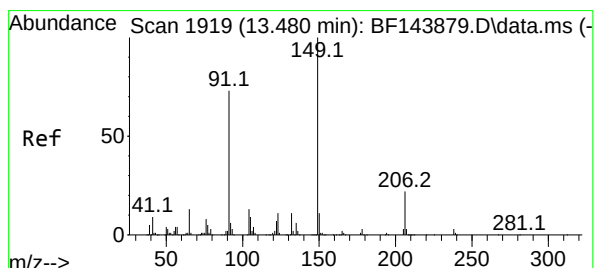
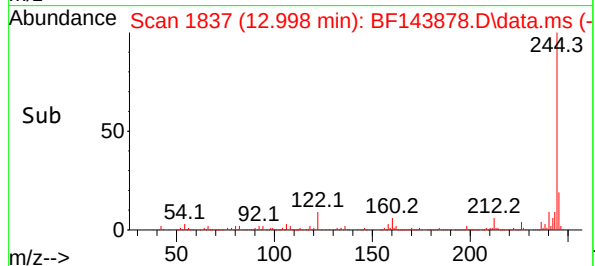
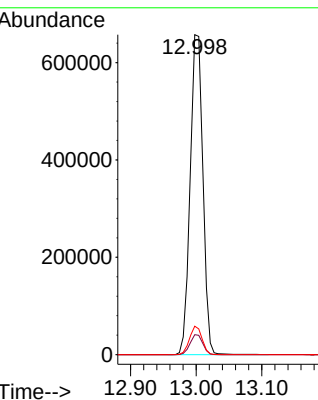
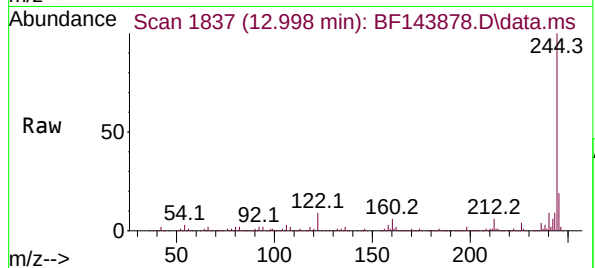
122 8.9 6.4 9.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

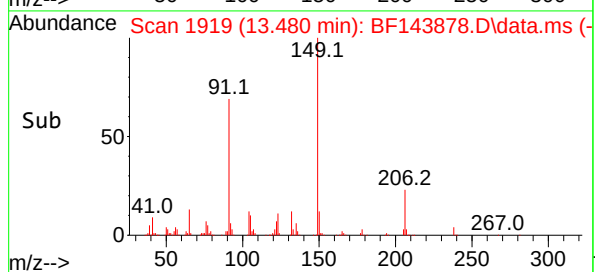
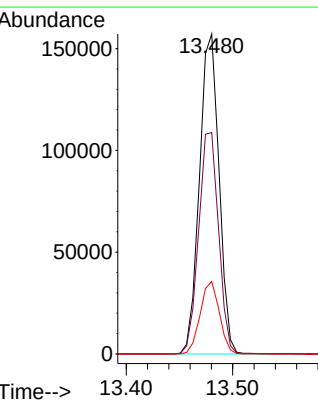
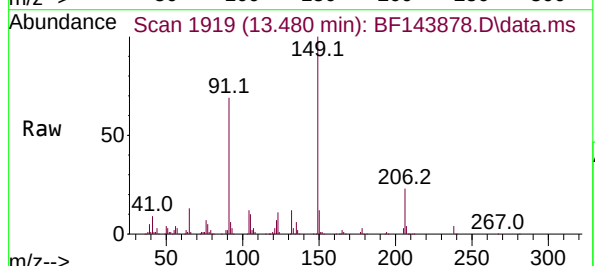
Tgt Ion:149 Resp: 200832

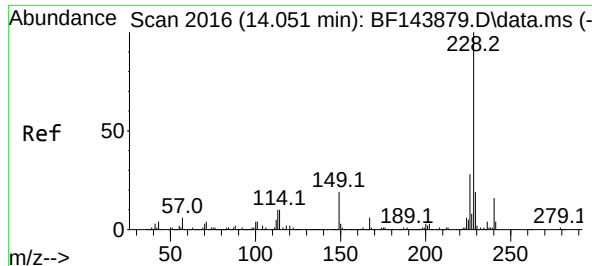
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 469566

Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.2

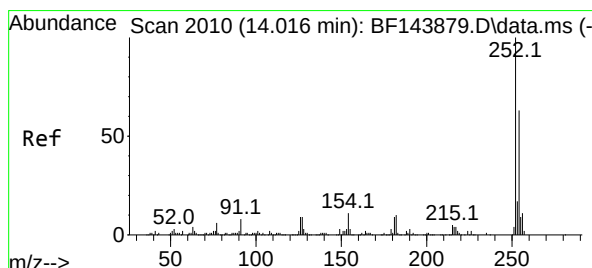
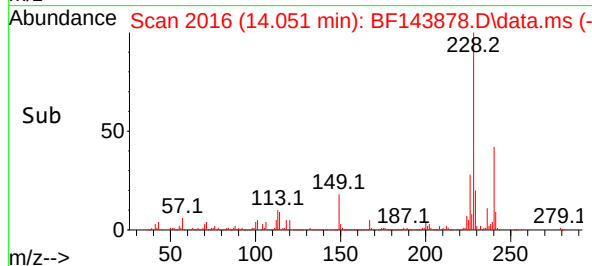
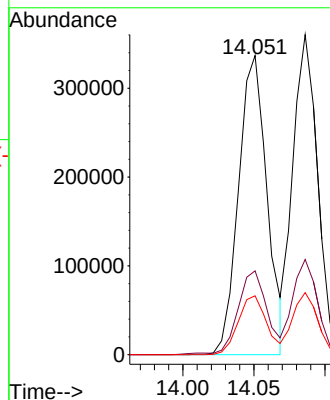
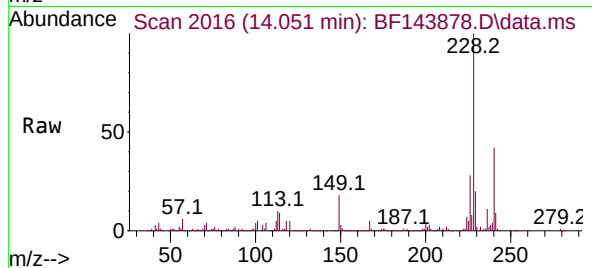
229 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

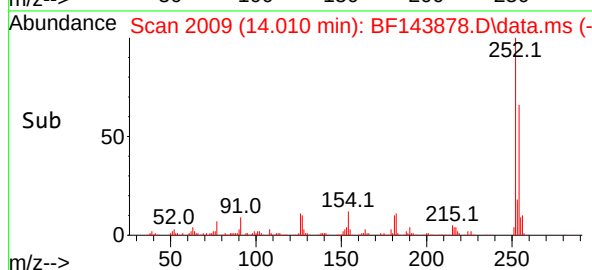
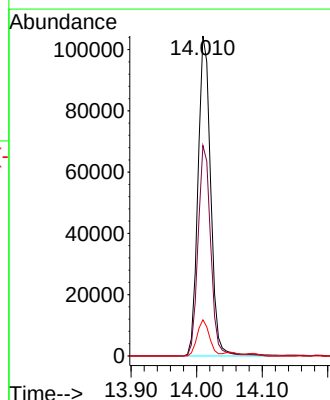
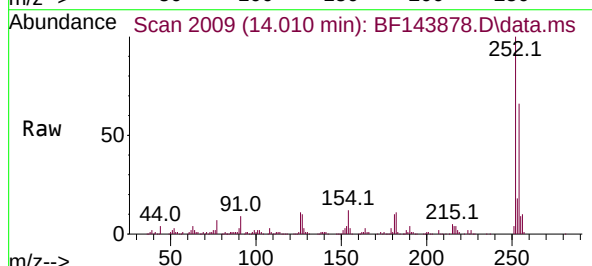
Tgt Ion:252 Resp: 139822

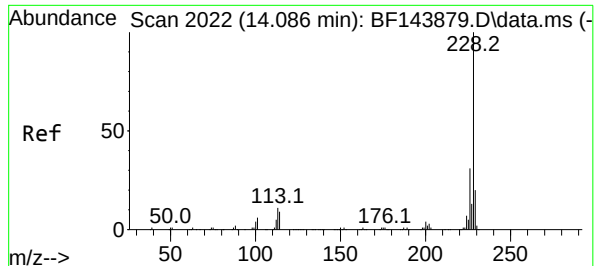
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.006 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 439378

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

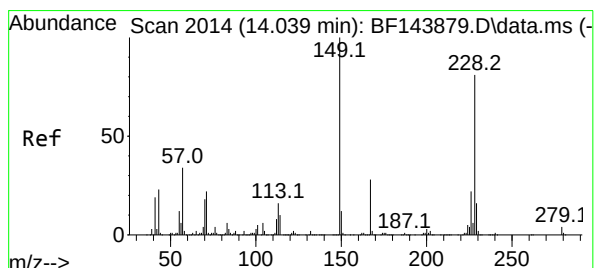
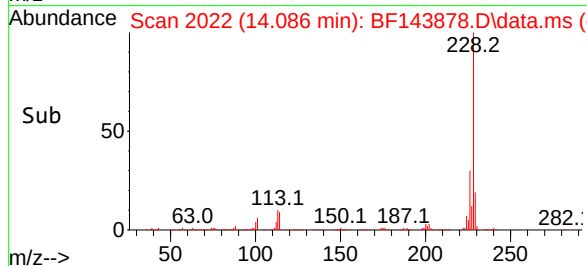
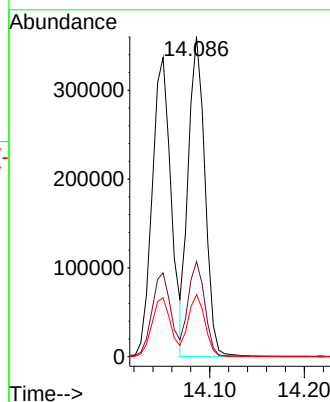
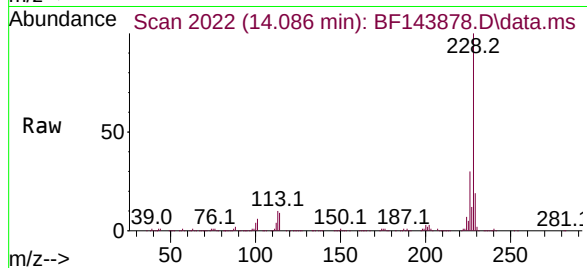
229 19.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

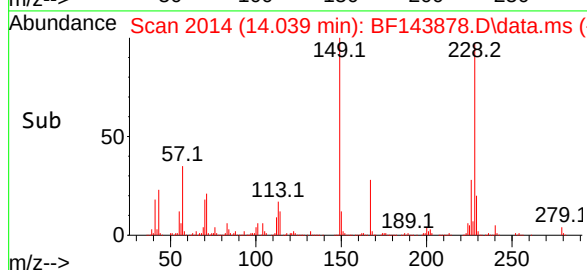
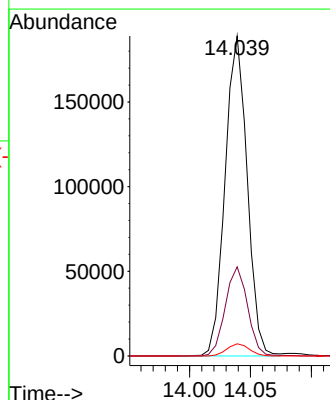
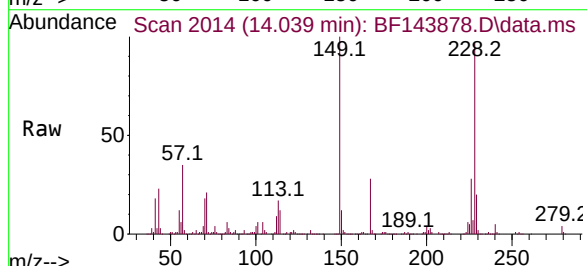
Tgt Ion:149 Resp: 238132

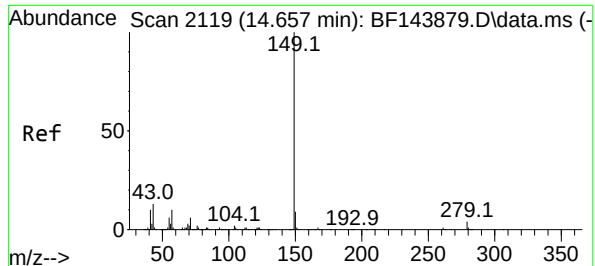
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

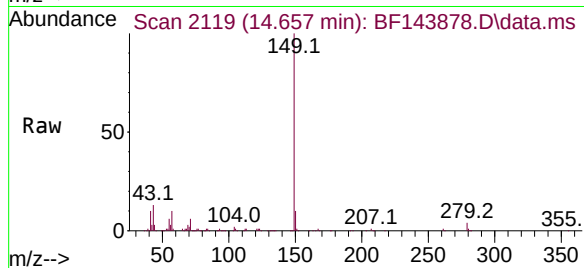
279 3.8 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 18.814 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

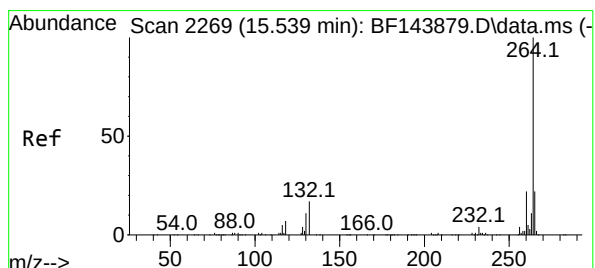
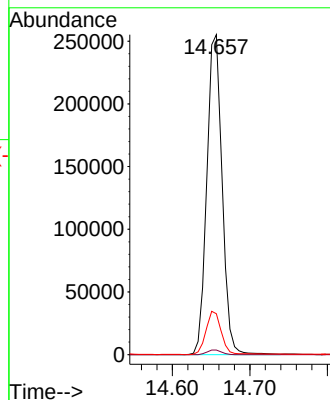
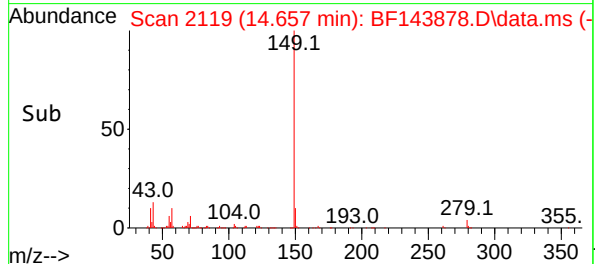
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



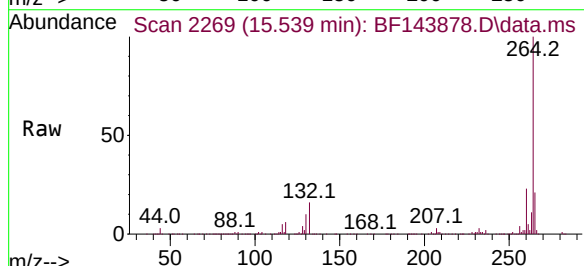
Tgt Ion:149 Resp: 349721
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.8 11.0 16.4

Manual Integrations
APPROVED

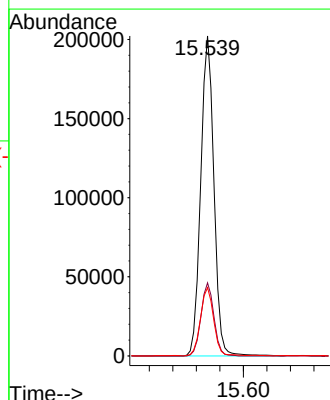
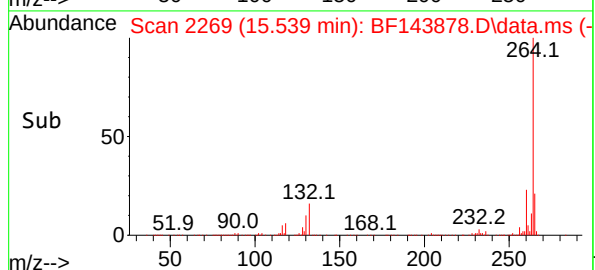
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

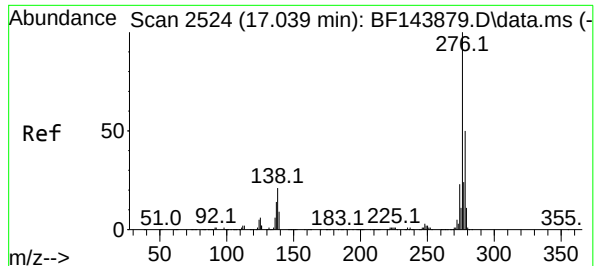


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56



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# 21

Delta R.T. -0.029 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:276 Resp: 38444

Ion Ratio Lower Upper

276 100

138 25.5 18.2 27.2

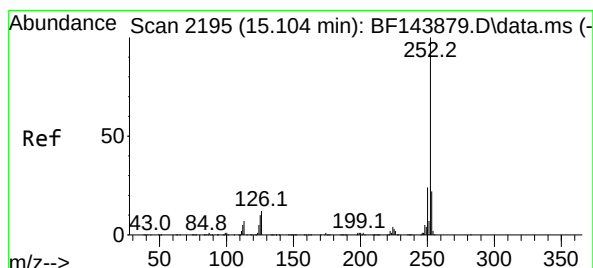
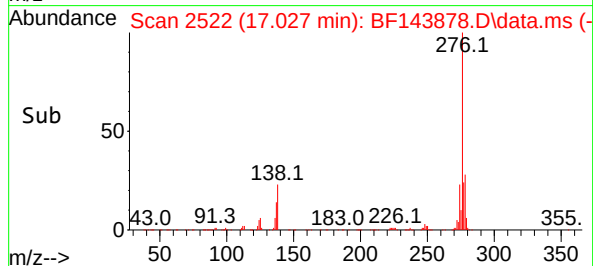
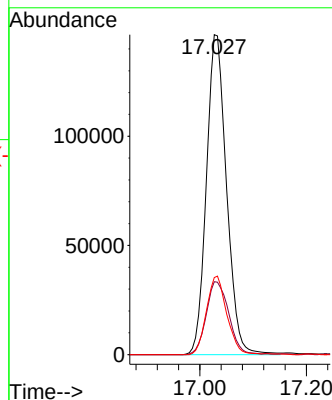
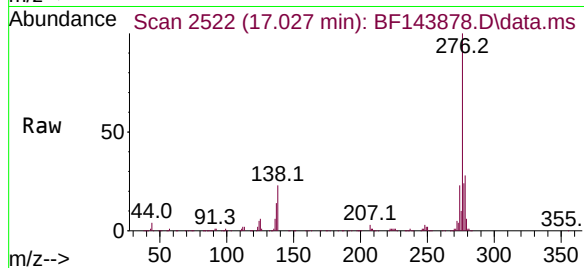
277 25.0 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

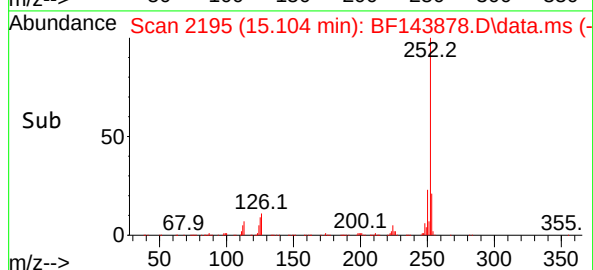
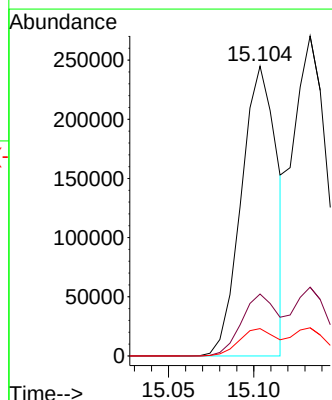
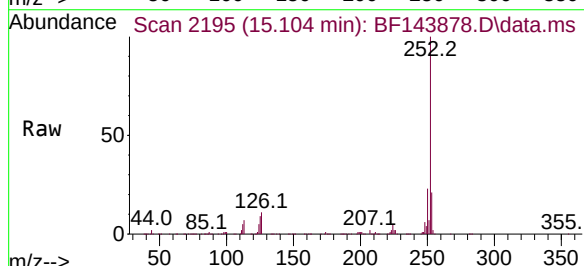
Tgt Ion:252 Resp: 355882

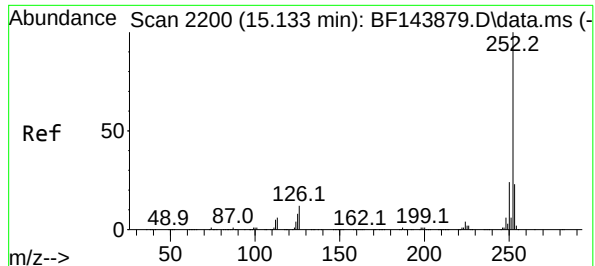
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.012 min

Lab File: BF143878.D

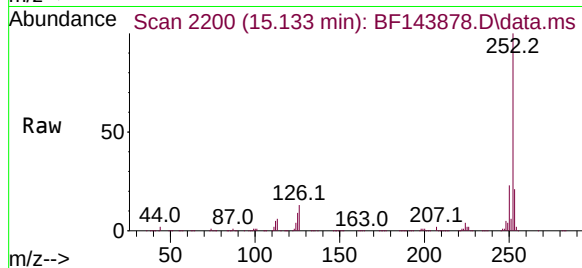
Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



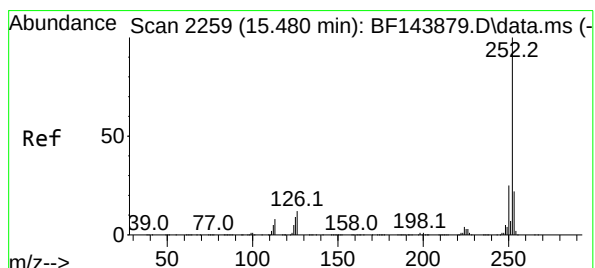
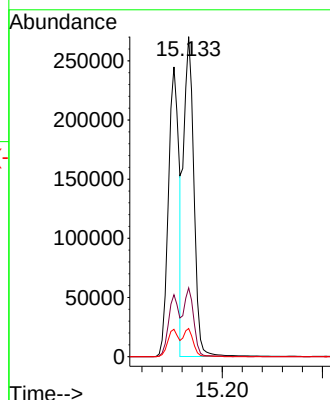
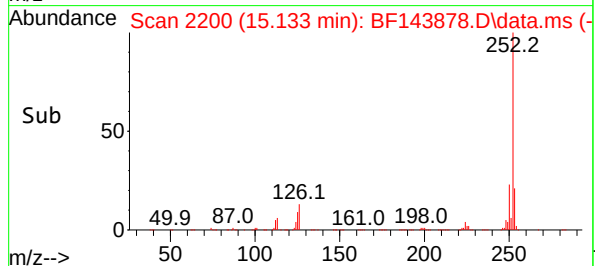
Tgt Ion:	252	Resp:	386399
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.8	26.8
125	8.8	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#90

Benzo(a)pyrene

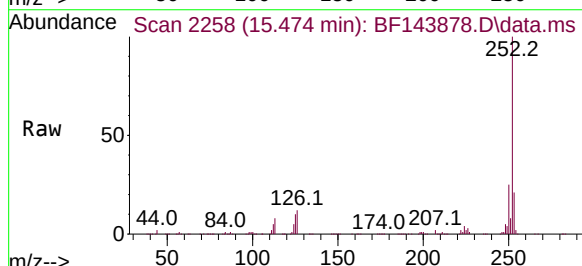
Concen: 20.822 ng

RT: 15.474 min Scan# 2258

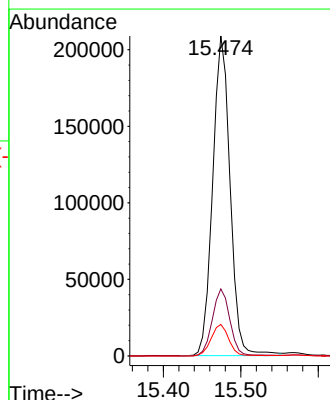
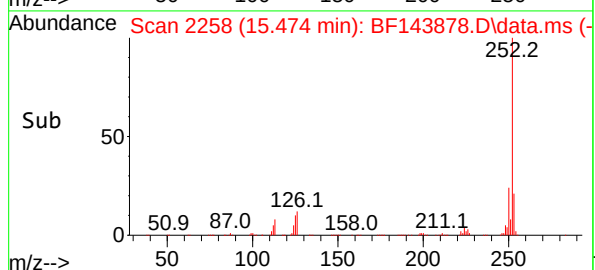
Delta R.T. -0.012 min

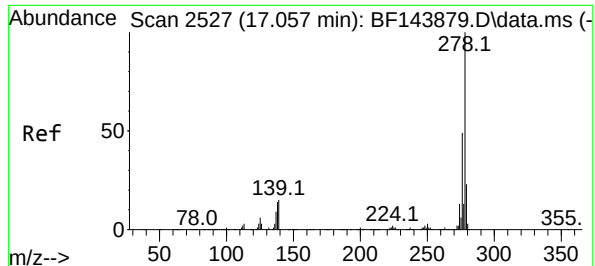
Lab File: BF143878.D

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# 2527

Delta R.T. -0.029 min

Lab File: BF143878.D

Acq: 06 Oct 2025 11:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 319216

Ion Ratio Lower Upper

278 100

139 15.7 11.7 17.5

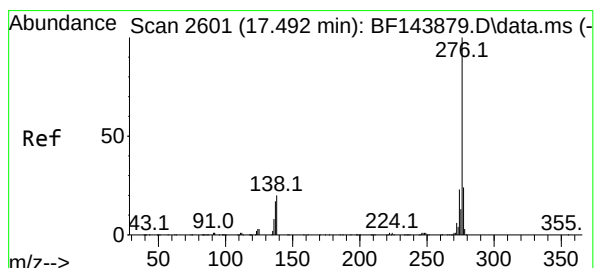
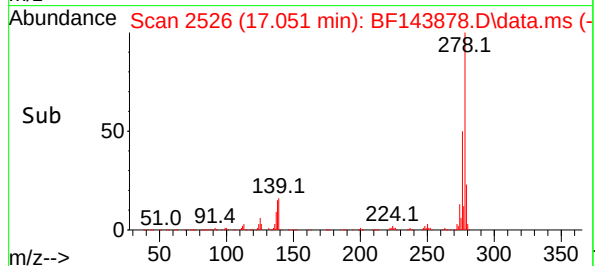
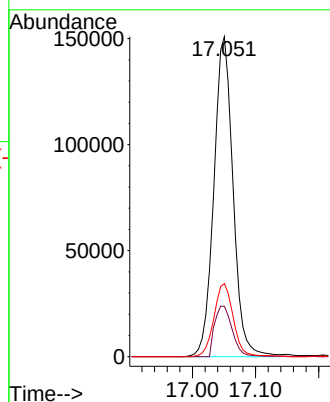
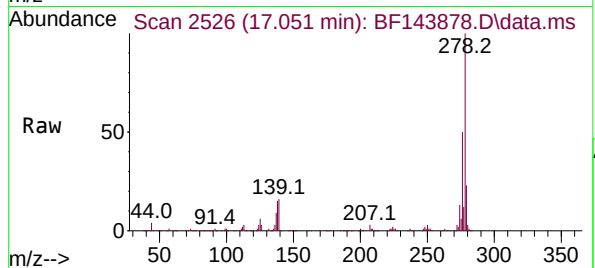
279 22.8 18.4 27.6

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

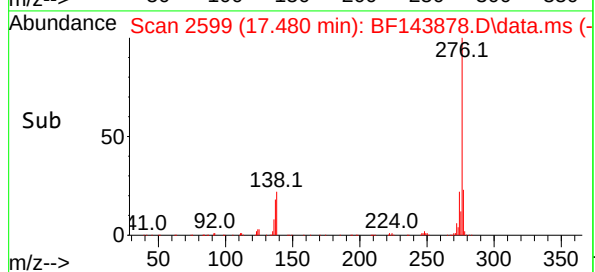
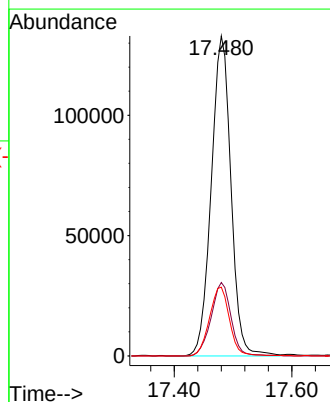
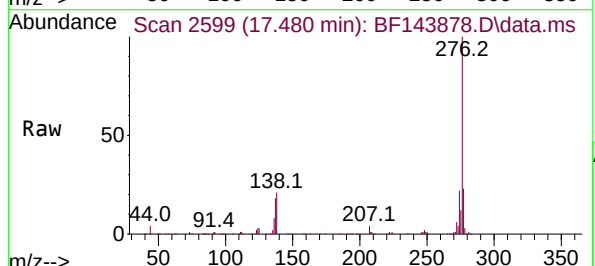
Tgt Ion:276 Resp: 309120

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

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

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	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

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)
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

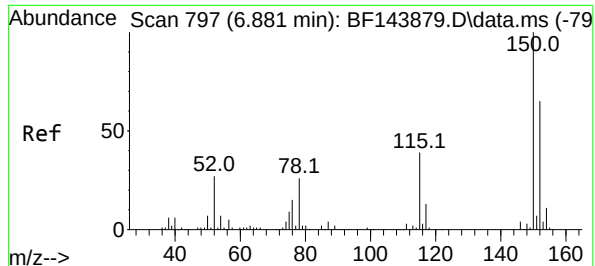
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

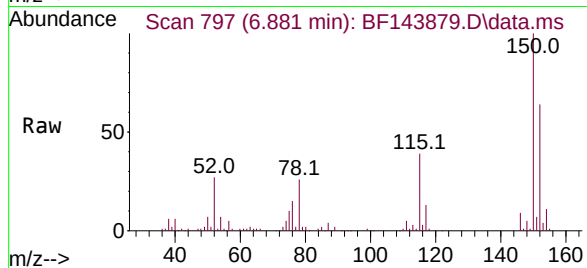
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jaagrut Upadhyay 10/07/2025





#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

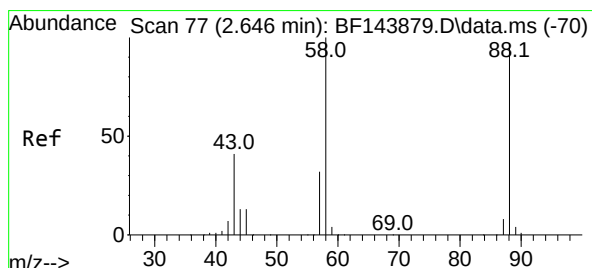
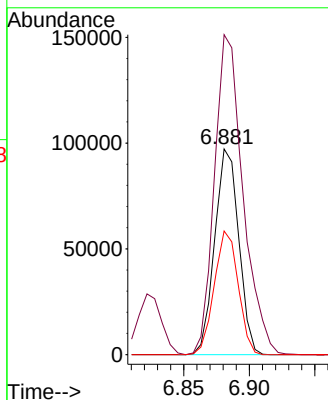
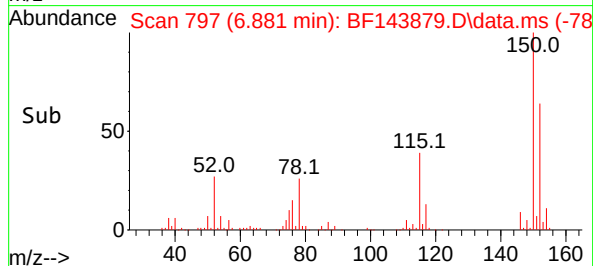
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



Tgt Ion: 152 Resp: 124152
Ion Ratio Lower Upper
152 100
150 155.5 124.4 186.6
115 60.1 48.1 72.1

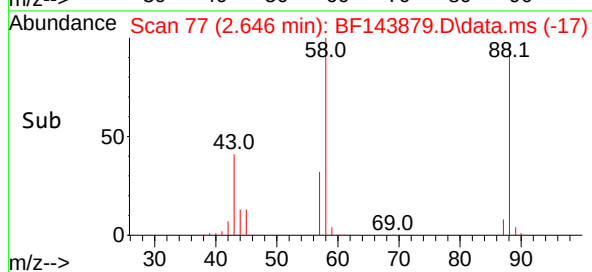
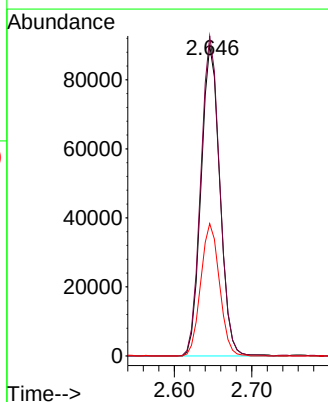
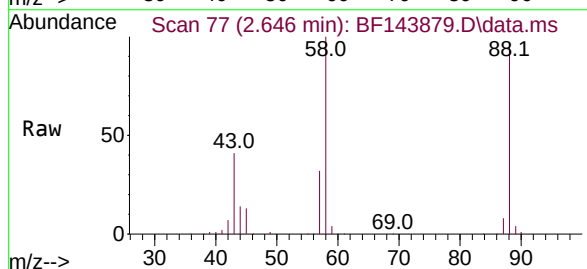
Manual Integrations
APPROVED

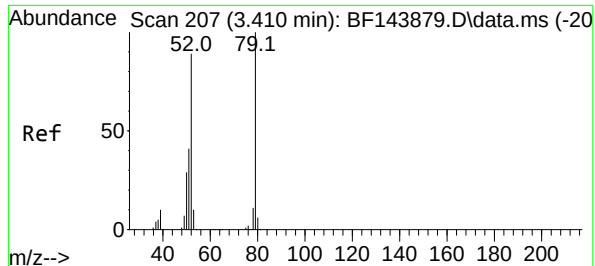
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

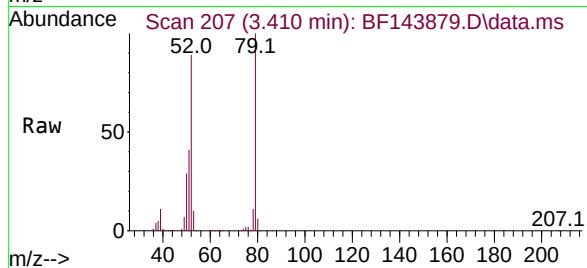
Tgt Ion: 88 Resp: 151157
Ion Ratio Lower Upper
88 100
58 103.8 83.0 124.6
43 42.4 33.9 50.9





#3
Pyridine
Concen: 41.775 ng
RT: 3.410 min Scan# 207
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

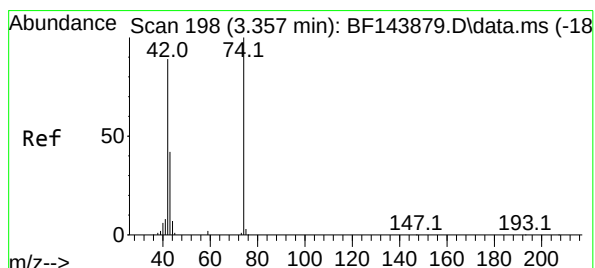
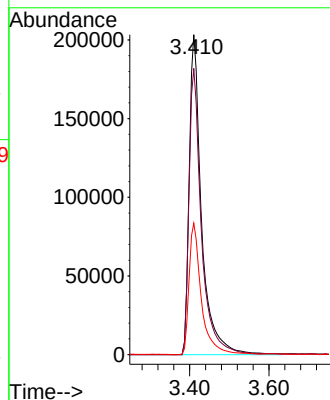
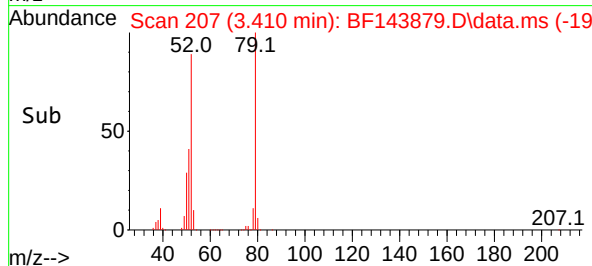
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 439985
Ion Ratio Lower Upper
79 100
52 89.4 71.5 107.3
51 41.1 32.9 49.3

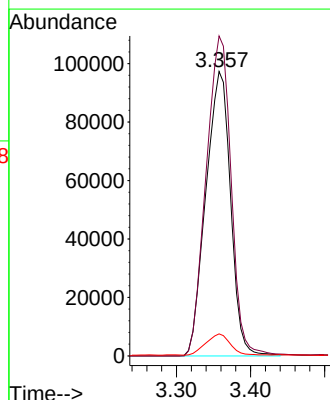
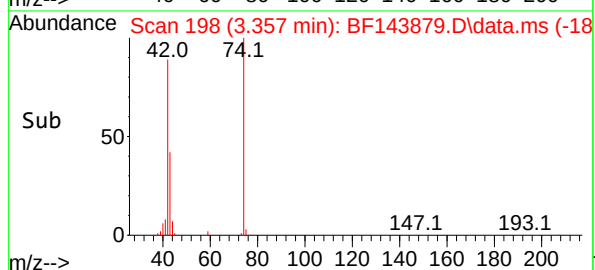
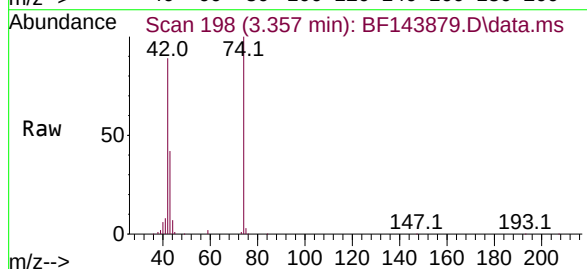
Manual Integrations
APPROVED

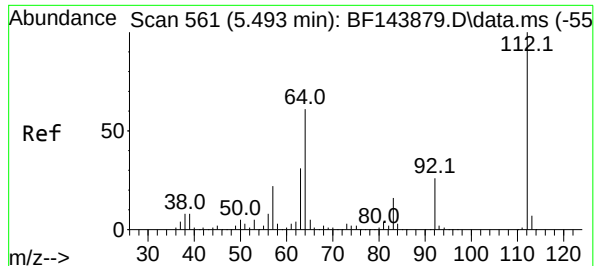
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





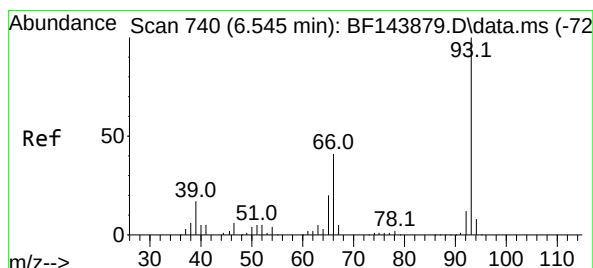
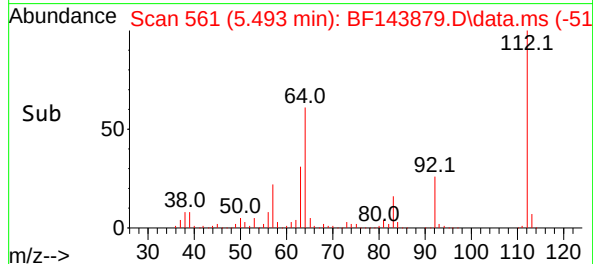
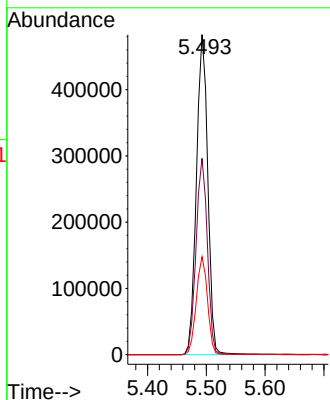
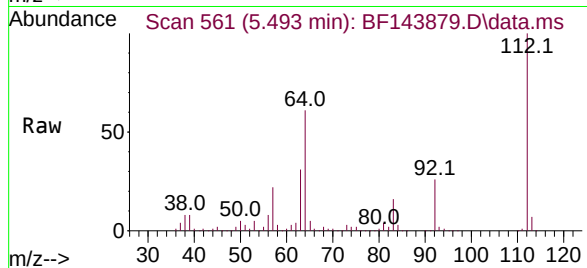
#5
2-Fluorophenol
Concen: 83.027 ng
RT: 5.493 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
Client SampleId :
SSTDICCC040

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

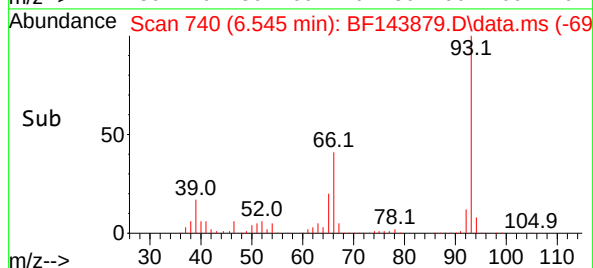
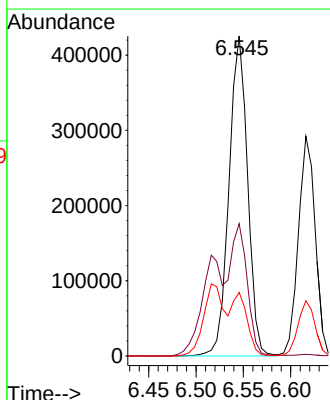
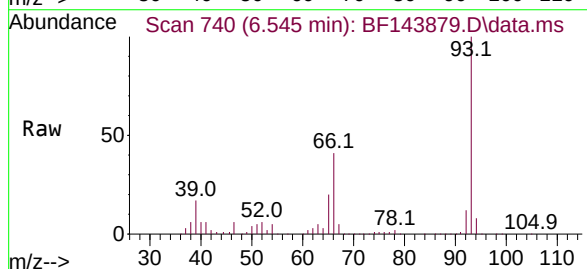
Manual Integrations
APPROVED

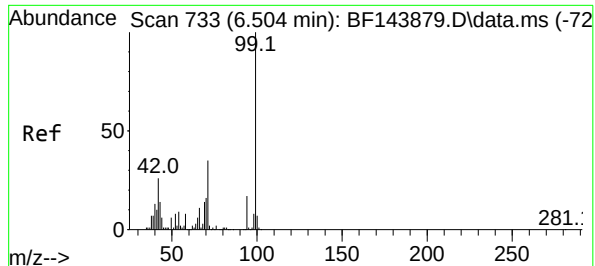
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 733

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

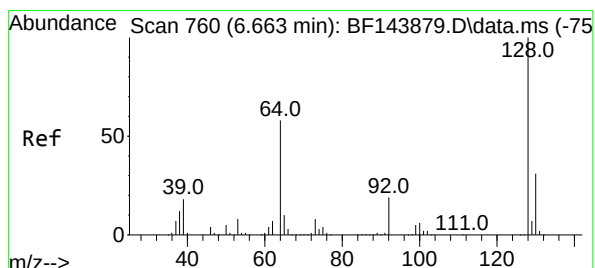
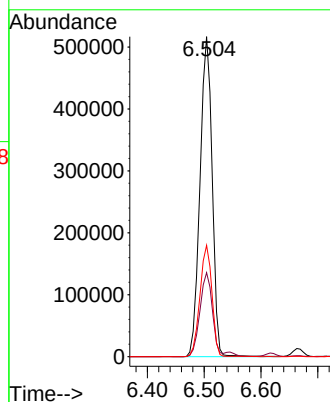
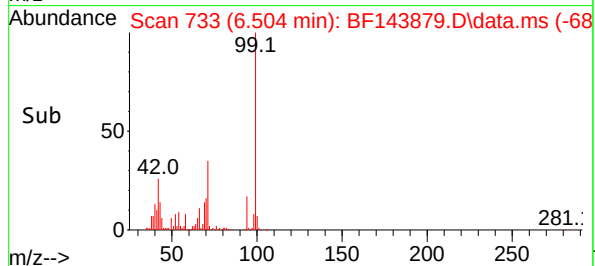
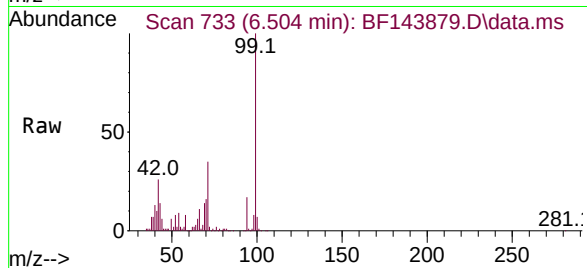
SSTDICCC040

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

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#8

2-Chlorophenol

Concen: 42.055 ng

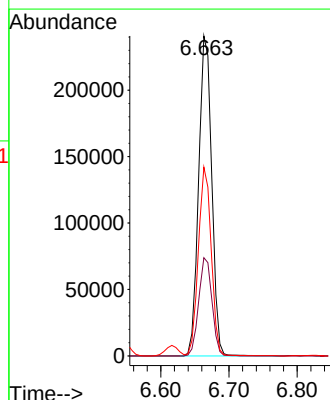
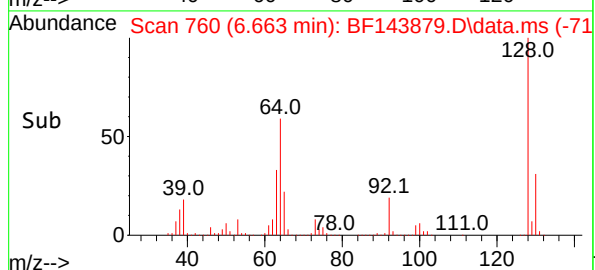
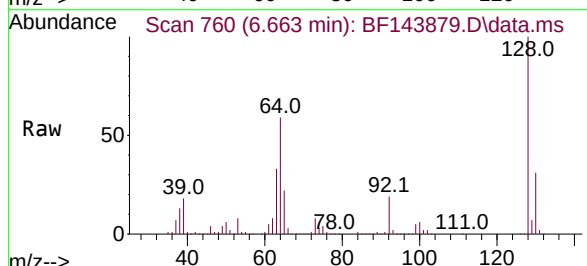
RT: 6.663 min Scan# 760

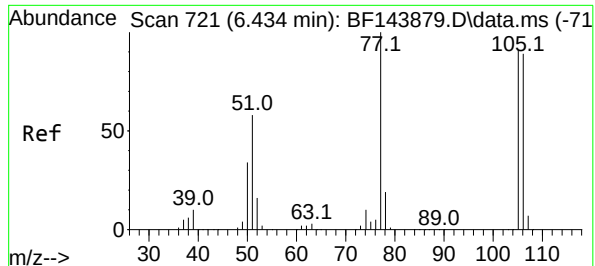
Delta R.T. -0.006 min

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# 721

Delta R.T. -0.006 min

Lab File: BF143879.D

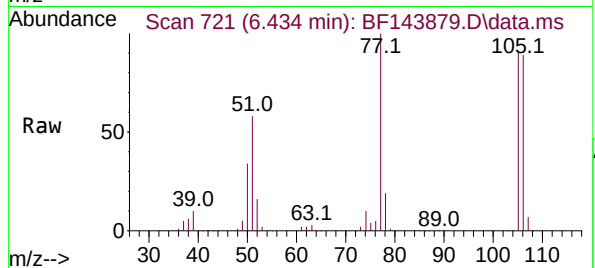
Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

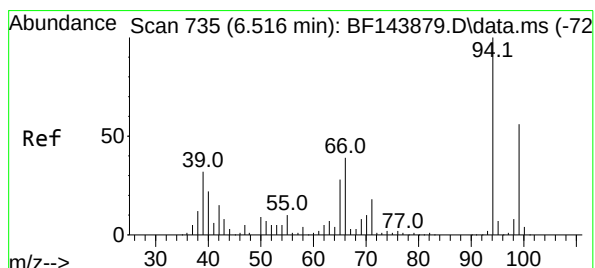
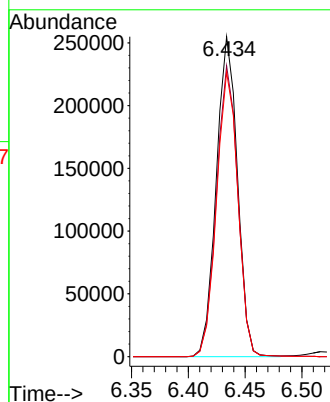
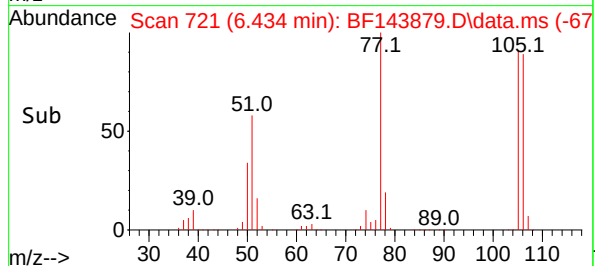


Tgt Ion: 77	Resp: 330062
Ion Ratio	Lower Upper
77 100	
105 90.9	70.9 110.9
106 88.9	68.9 108.9

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#10

Phenol

Concen: 41.042 ng m

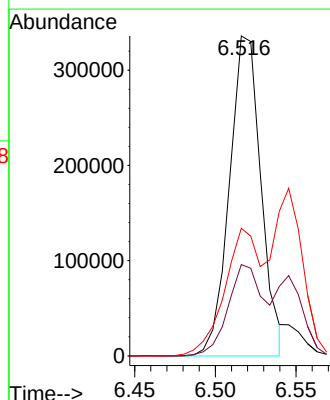
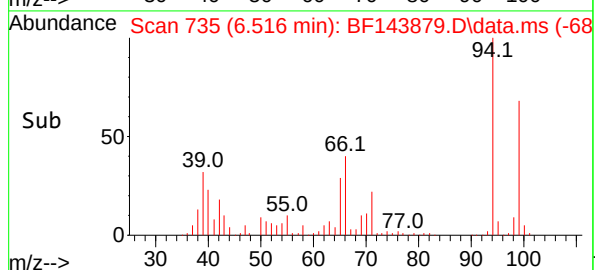
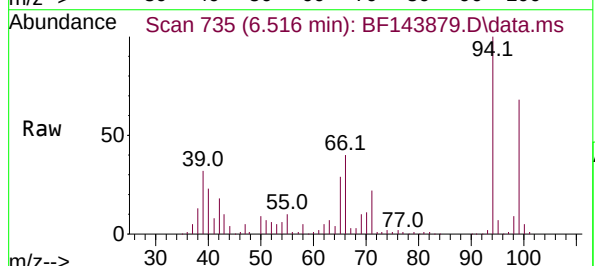
RT: 6.516 min Scan# 735

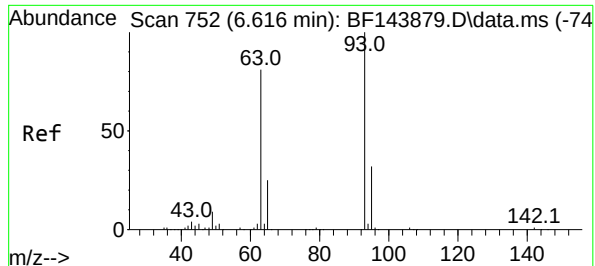
Delta R.T. -0.018 min

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





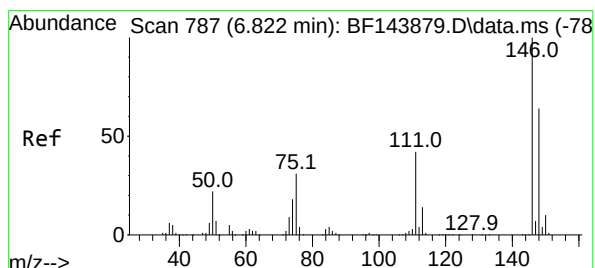
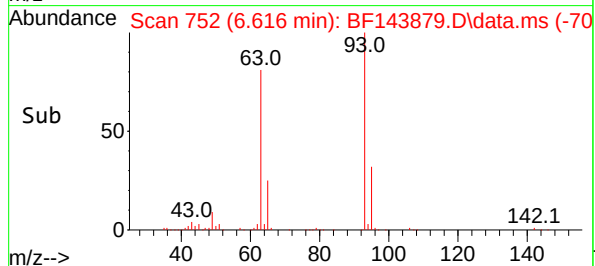
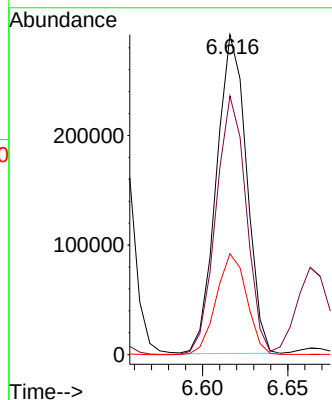
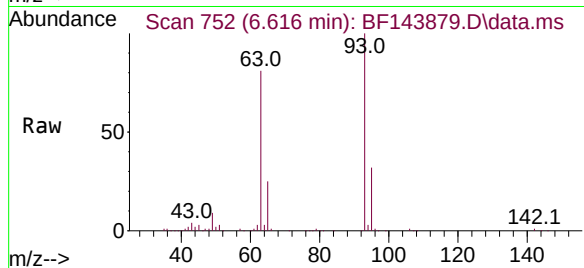
#11
bis(2-Chloroethyl)ether
Concen: 41.712 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 358980
Ion Ratio Lower Upper
93 100
63 80.9 60.9 100.9
95 31.5 11.5 51.5

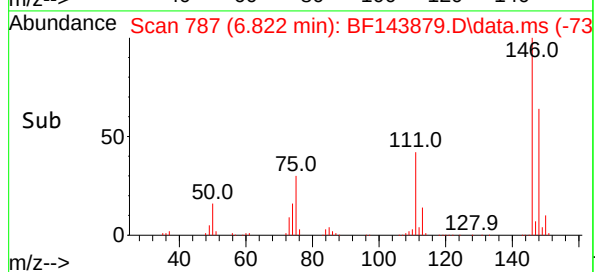
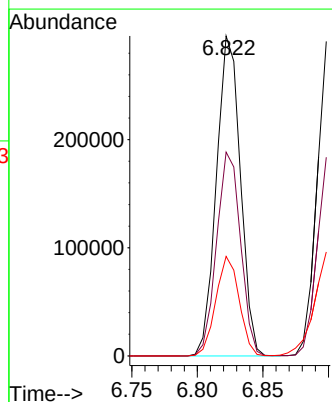
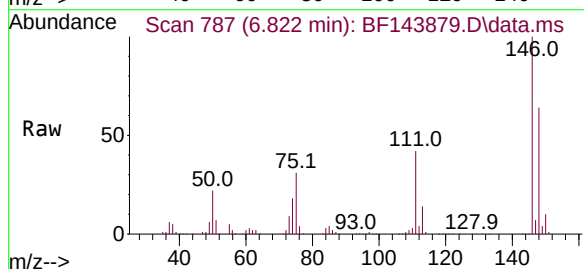
Manual Integrations
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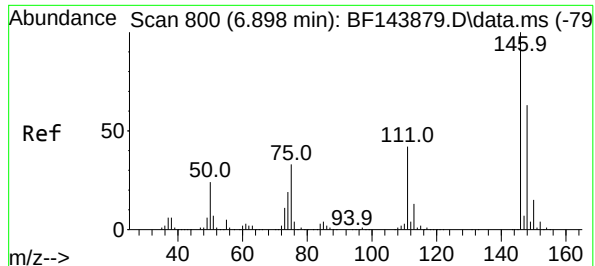
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 800

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 372118

Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

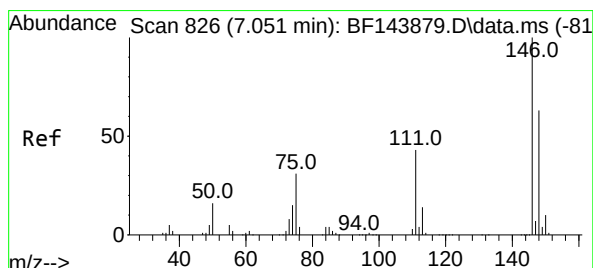
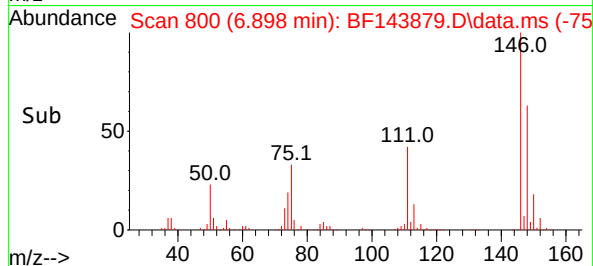
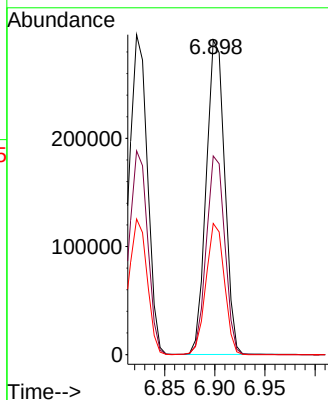
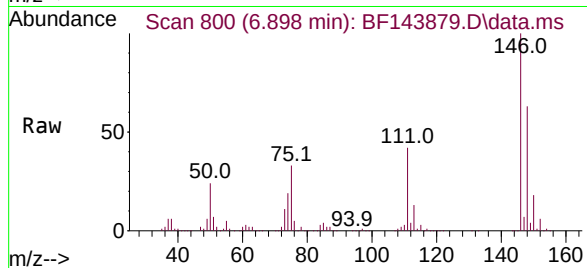
111 41.7 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

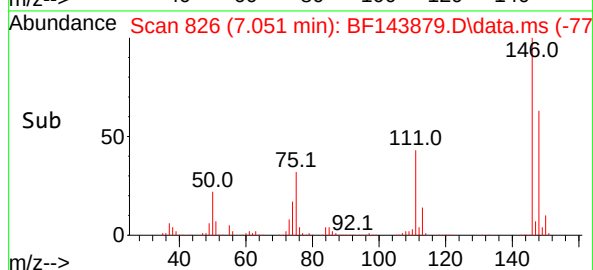
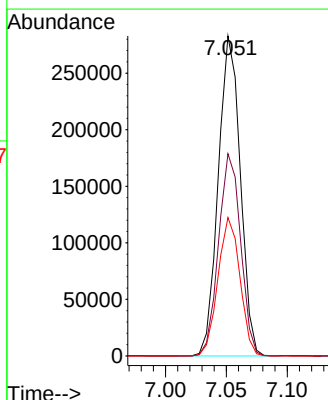
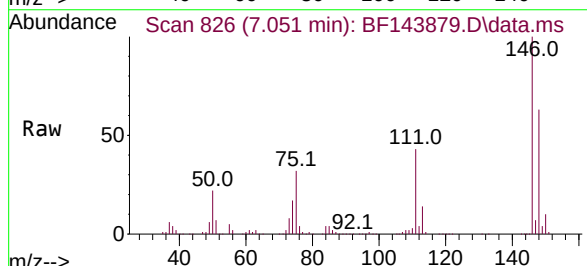
Tgt Ion:146 Resp: 356137

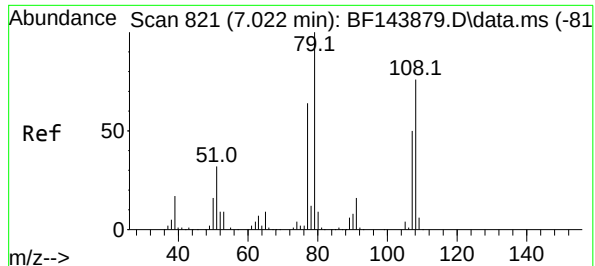
Ion Ratio Lower Upper

146 100

148 63.2 50.6 75.8

111 43.2 34.6 51.8





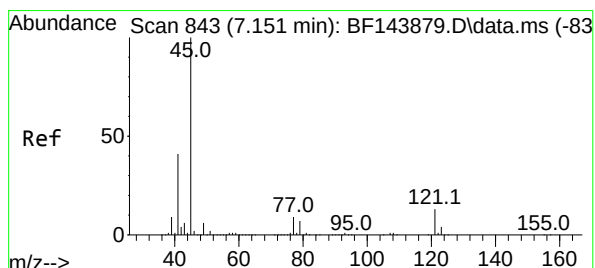
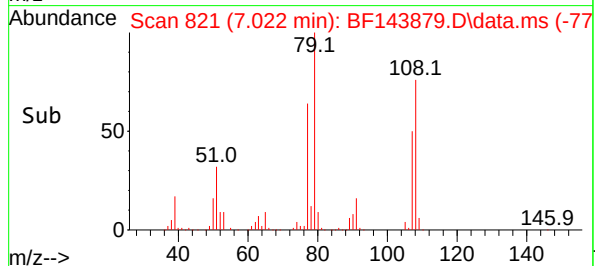
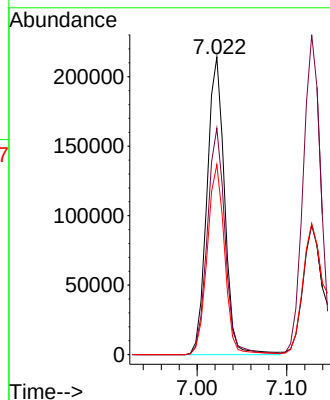
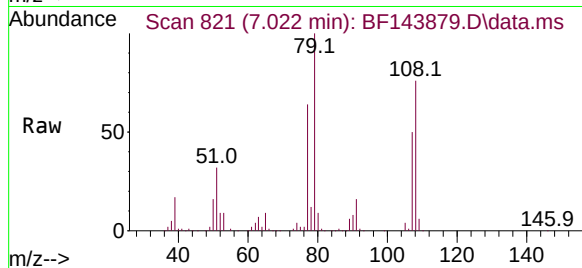
#15
Benzyl Alcohol
Concen: 41.707 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 291212
Ion Ratio Lower Upper
79 100
108 76.0 60.8 91.2
77 63.8 51.0 76.6

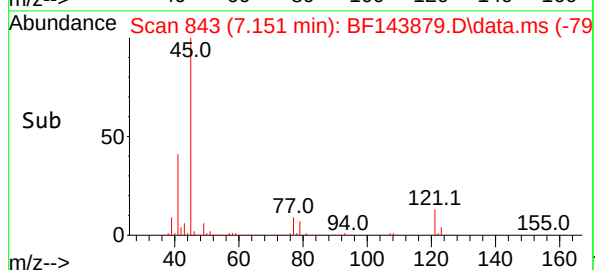
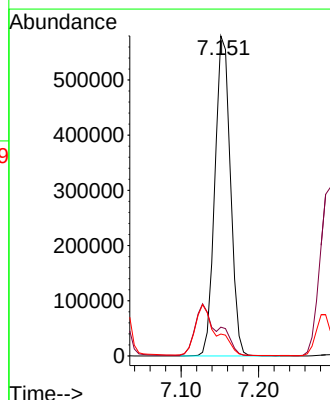
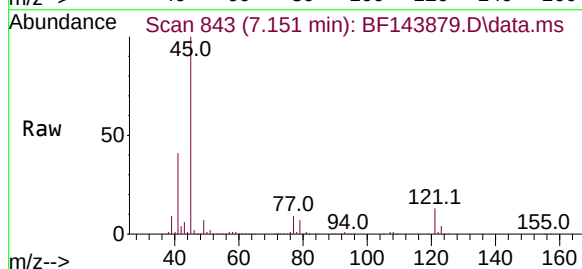
Manual Integrations
APPROVED

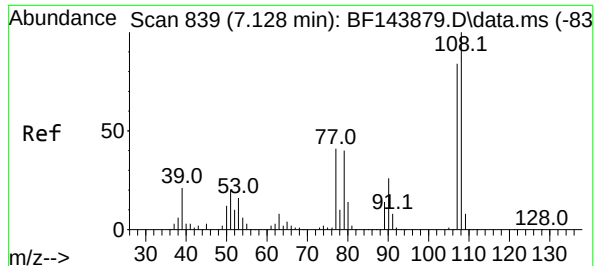
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

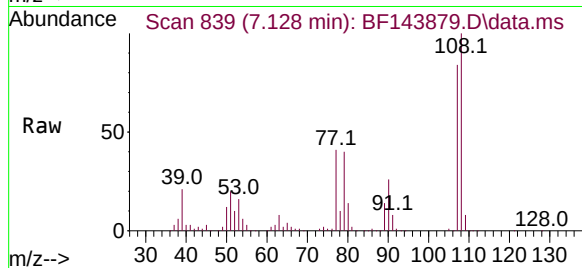
Tgt Ion: 45 Resp: 804199
Ion Ratio Lower Upper
45 100
77 9.0 0.0 29.0
79 6.8 0.0 26.8





#17
2-Methylphenol
Concen: 41.430 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

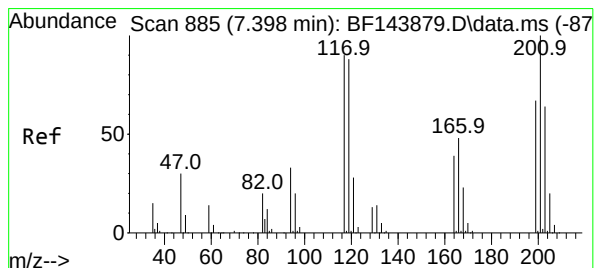
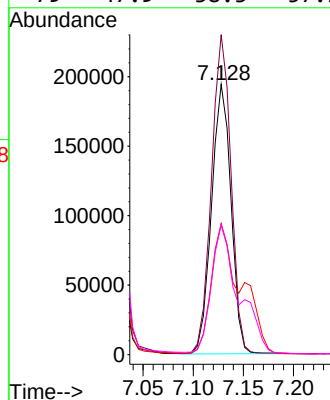
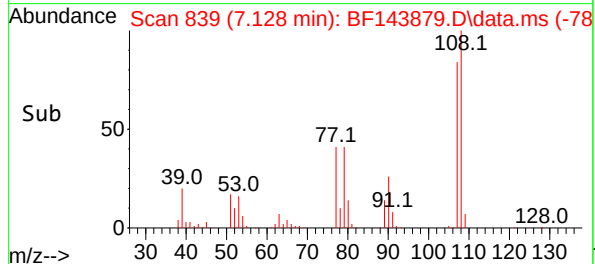
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



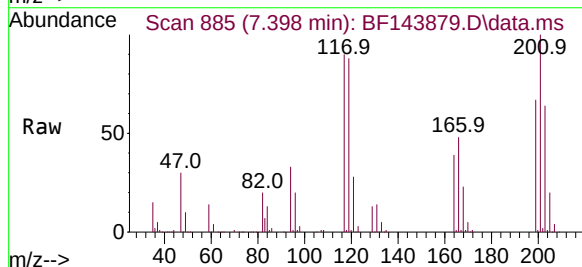
Tgt Ion:107 Resp: 261669
Ion Ratio Lower Upper
107 100
108 118.4 94.7 142.1
77 48.5 38.8 58.2
79 47.9 38.3 57.5

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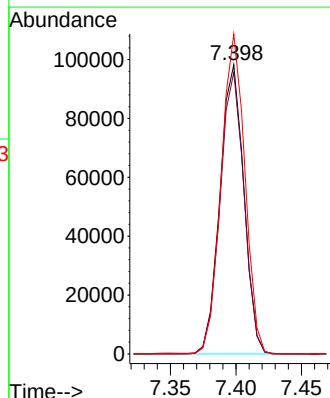
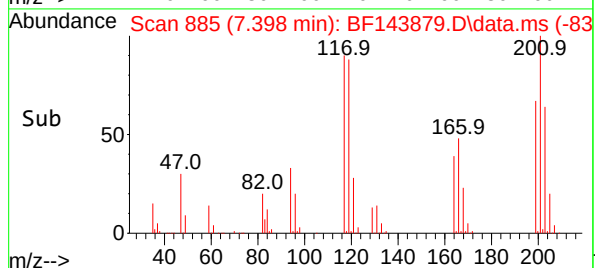
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

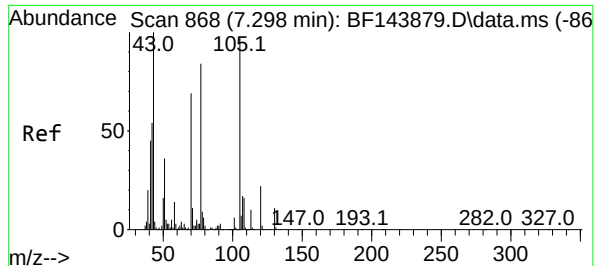


#18
Hexachloroethane
Concen: 41.313 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



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# 868

Delta R.T. -0.018 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

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

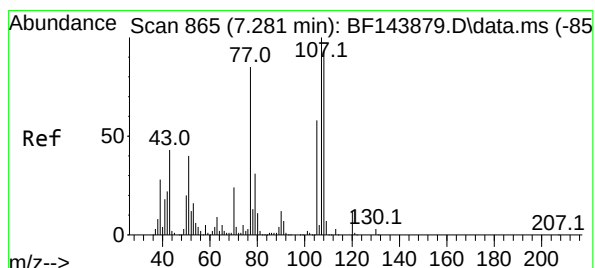
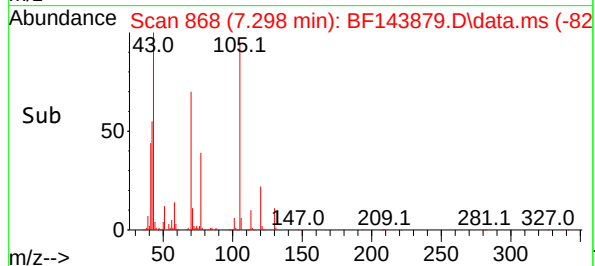
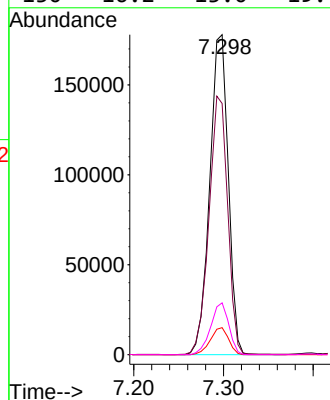
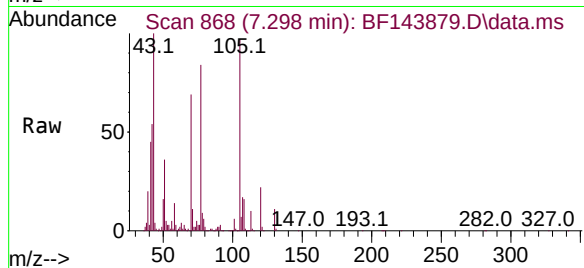
130 16.2 13.0 19.4

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

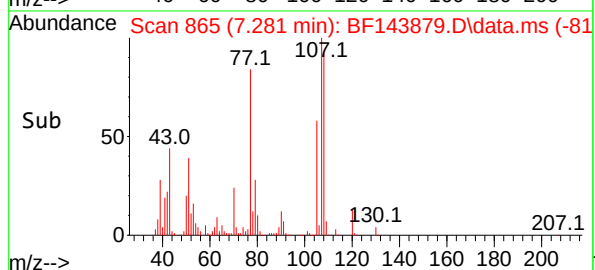
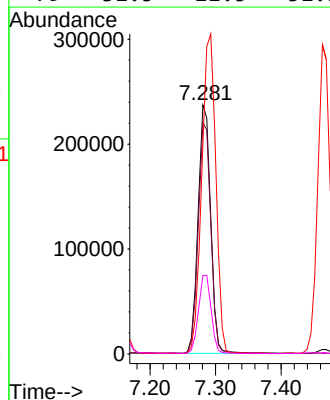
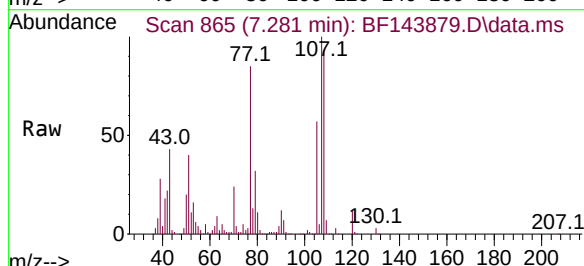
Ion Ratio Lower Upper

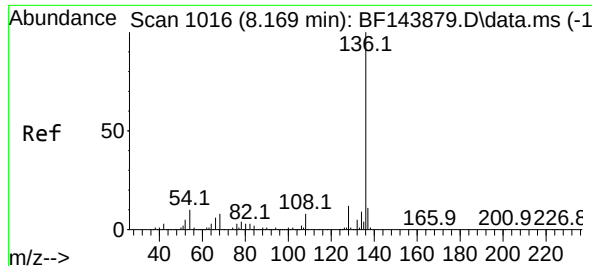
107 100

108 93.0 73.0 113.0

77 84.6 64.6 104.6

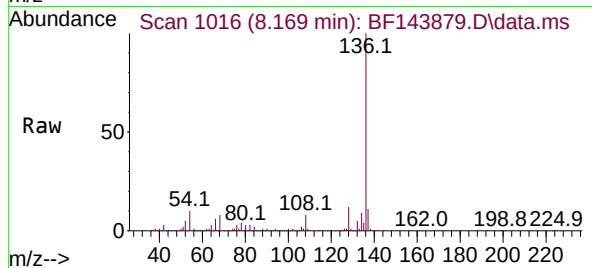
79 31.5 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

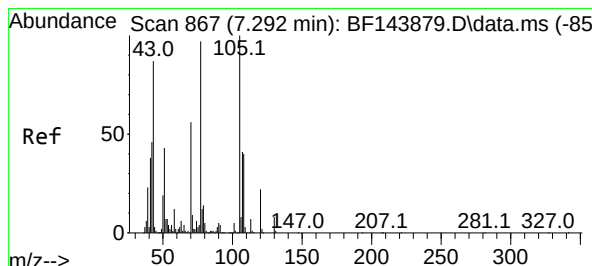
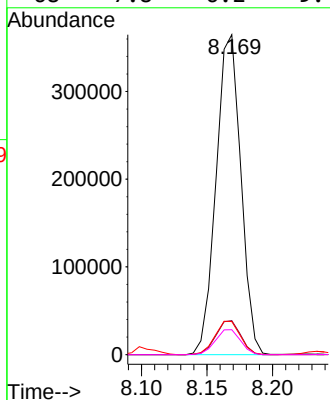
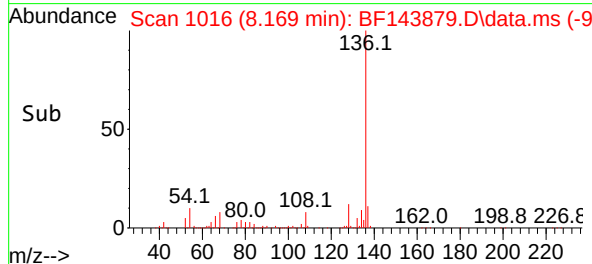
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



Tgt Ion:136 Resp: 479933
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

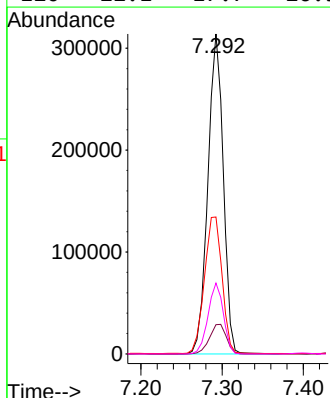
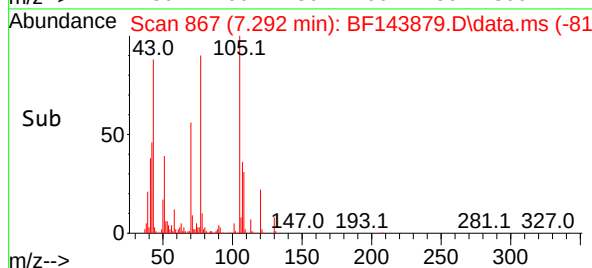
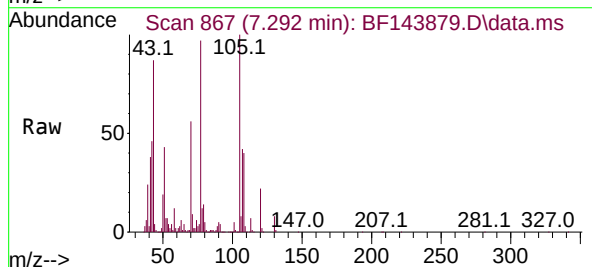
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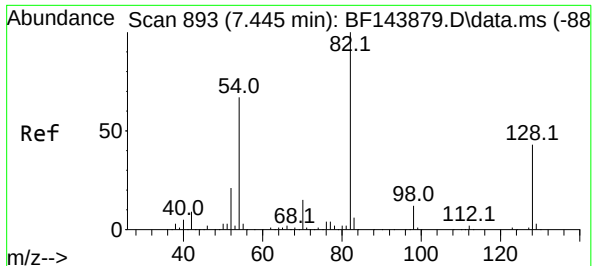
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 893

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 662754

Ion Ratio Lower Upper

82 100

128 42.5 34.0 51.0

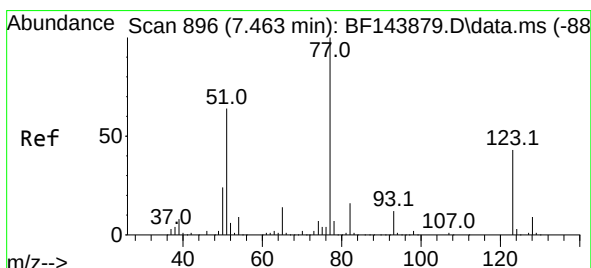
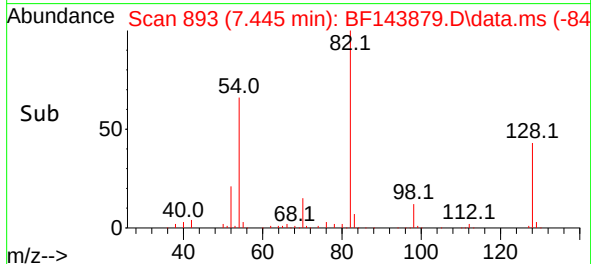
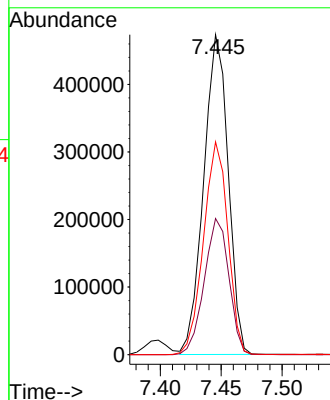
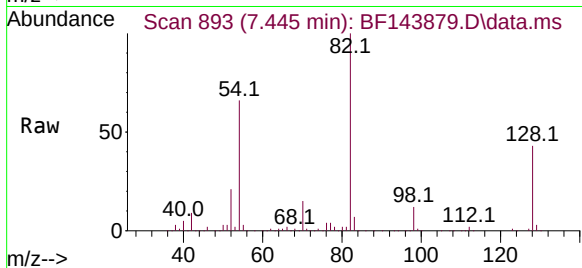
54 66.5 53.2 79.8

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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

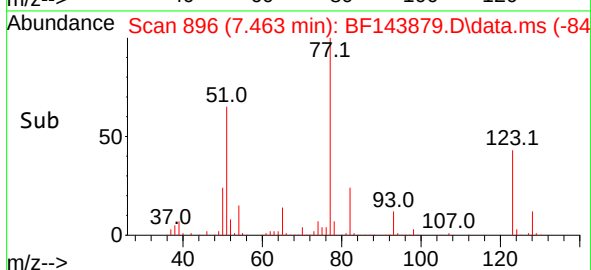
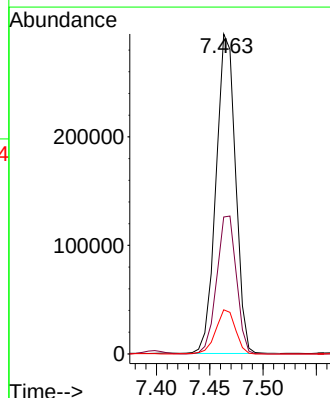
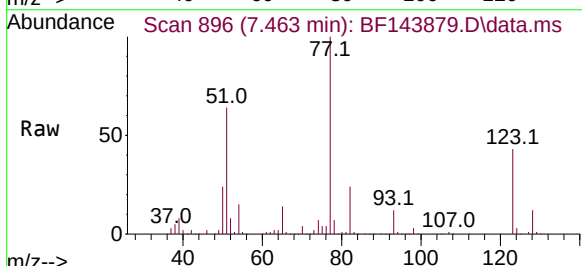
Tgt Ion: 77 Resp: 375708

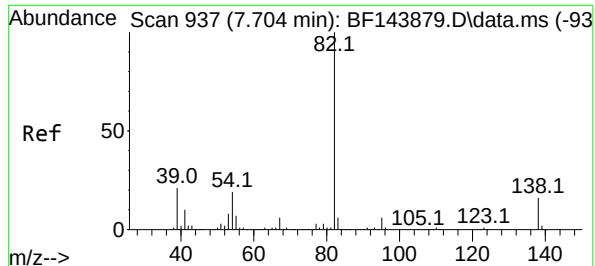
Ion Ratio Lower Upper

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# 937

Delta R.T. -0.018 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 67700

Ion Ratio Lower Upper

82 100

95 6.4 5.1 7.7

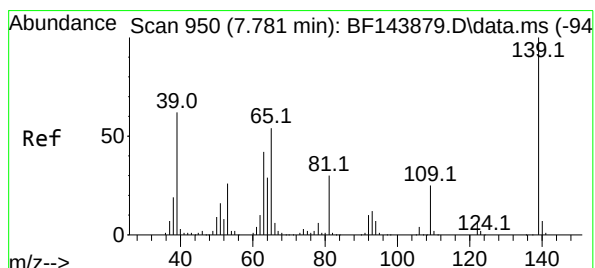
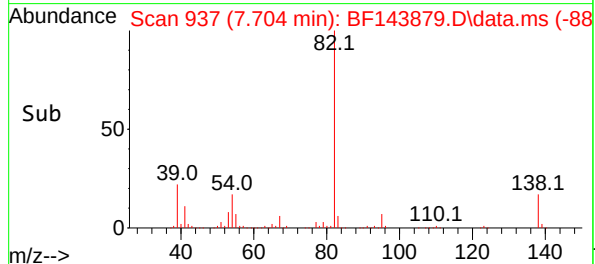
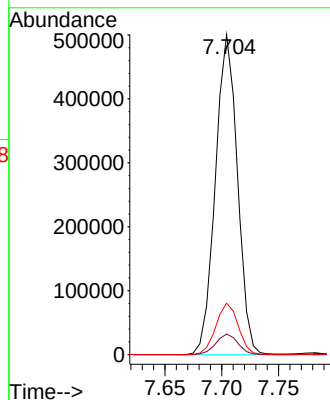
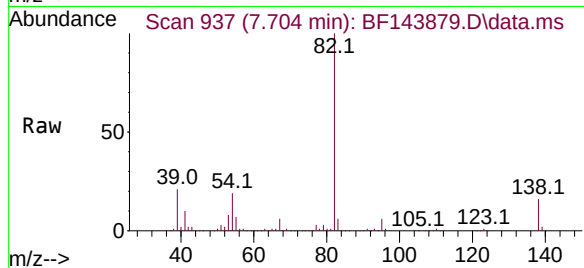
138 16.1 12.9 19.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

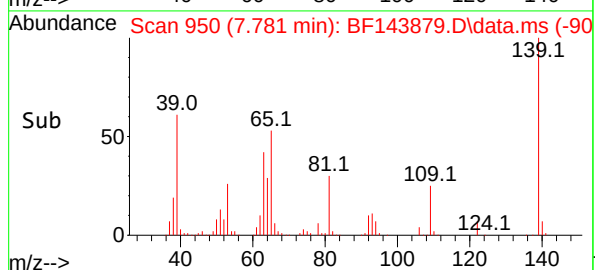
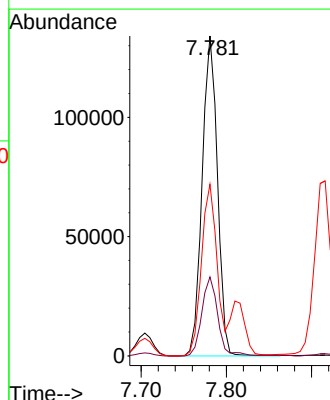
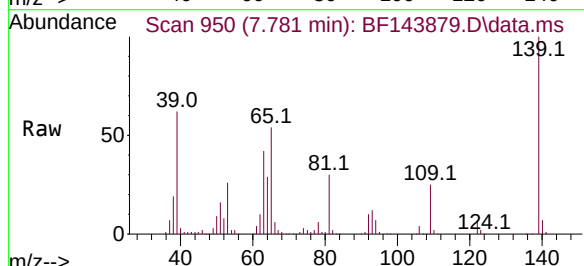
Tgt Ion:139 Resp: 167096

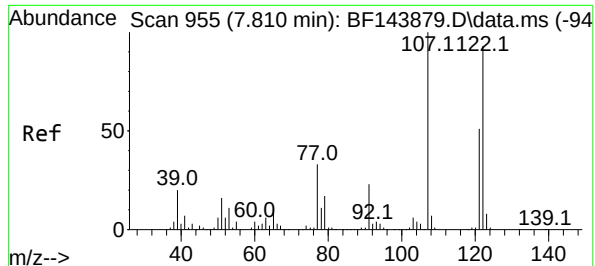
Ion Ratio Lower Upper

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# 91

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

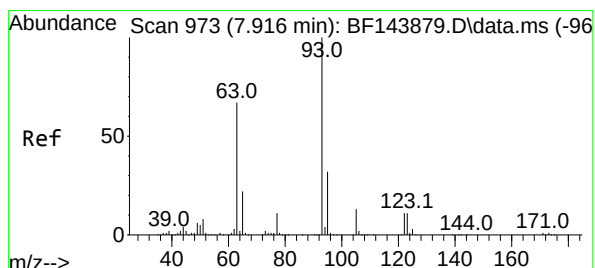
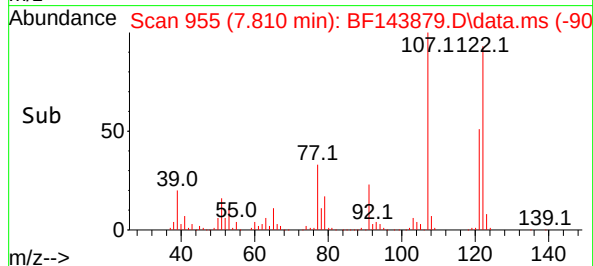
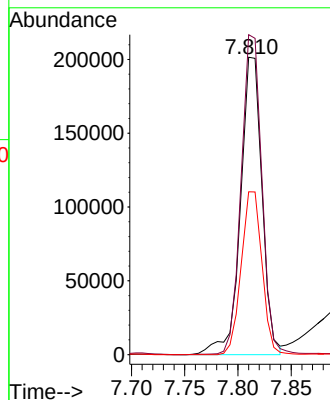
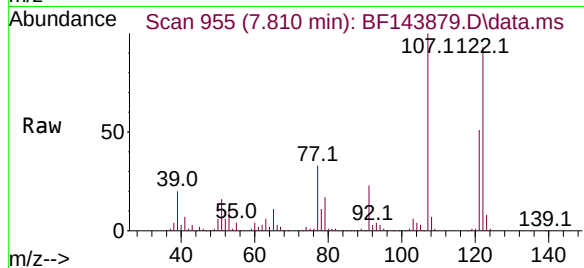
SSTDICCC040

Tgt Ion:122 Resp: 282923
Ion Ratio Lower Upper
122 100
107 107.6 86.1 129.1
121 54.7 43.8 65.6

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Supervised By :Jagrut Upadhyay 10/07/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.486 ng

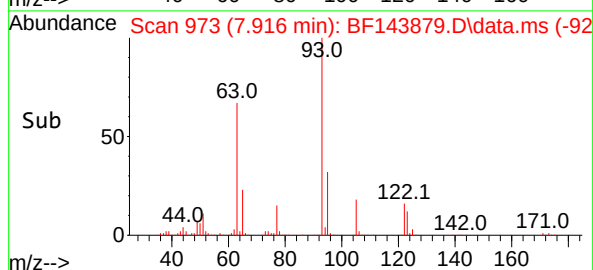
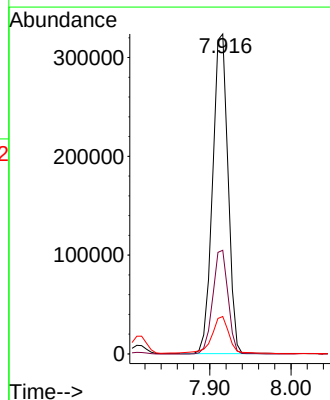
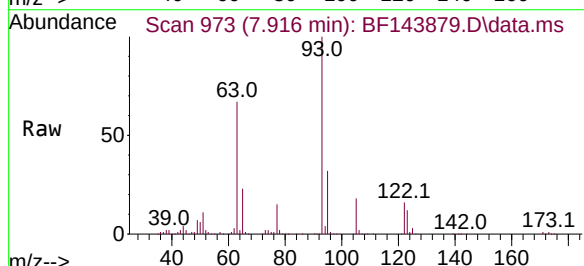
RT: 7.916 min Scan# 973

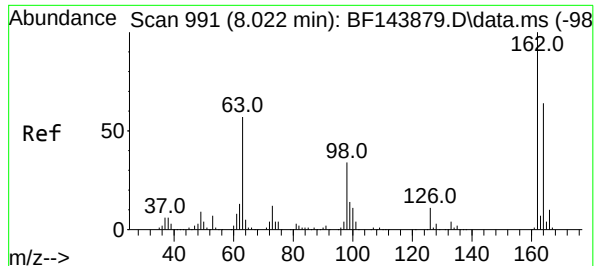
Delta R.T. -0.006 min

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# 991

Delta R.T. -0.006 min

Lab File: BF143879.D

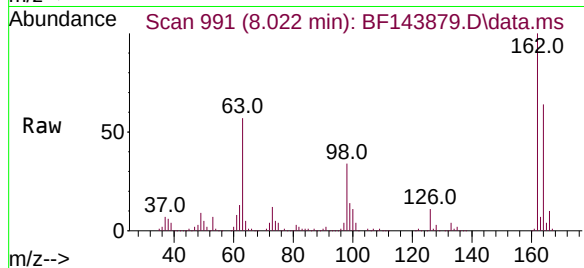
Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 294452

Ion Ratio Lower Upper

162 100

164 63.9 43.9 83.9

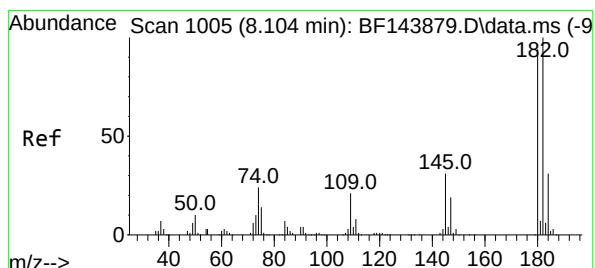
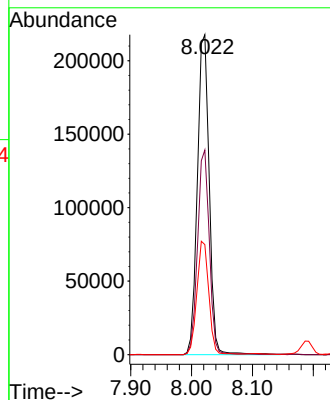
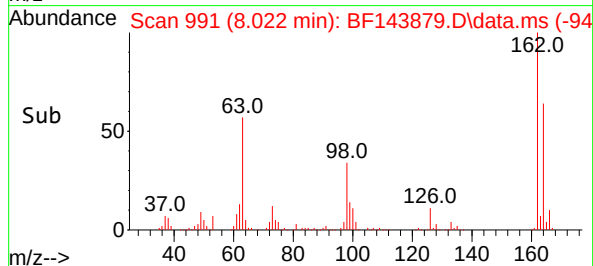
98 34.4 14.4 54.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/07/2025



#30

1,2,4-Trichlorobenzene

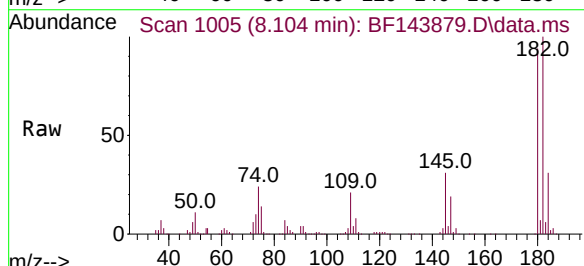
Concen: 41.312 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54



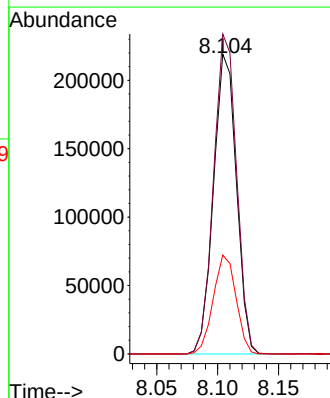
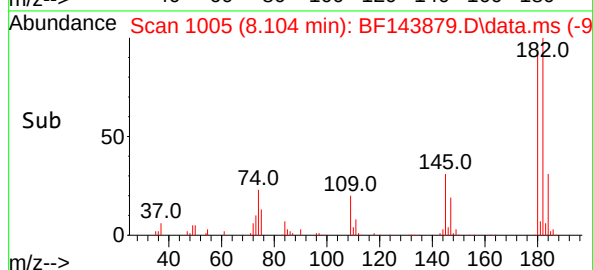
Tgt Ion:180 Resp: 286330

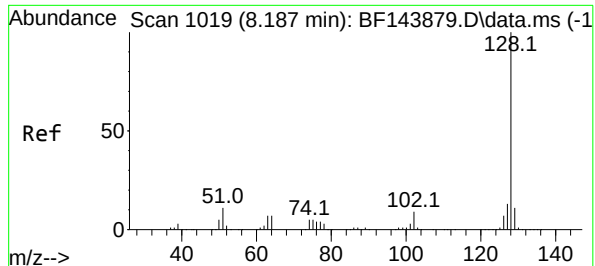
Ion Ratio Lower Upper

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# 1019

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:128 Resp: 894263

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

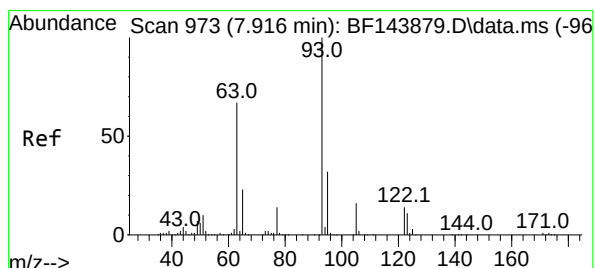
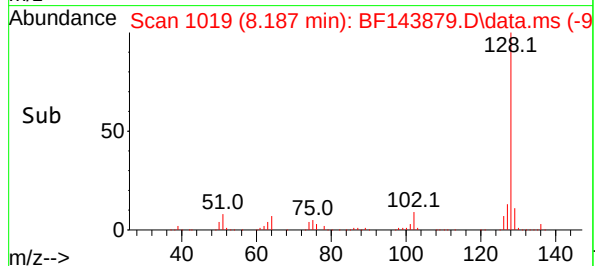
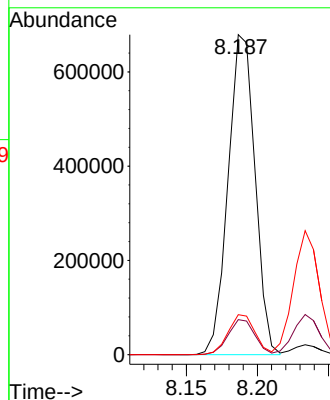
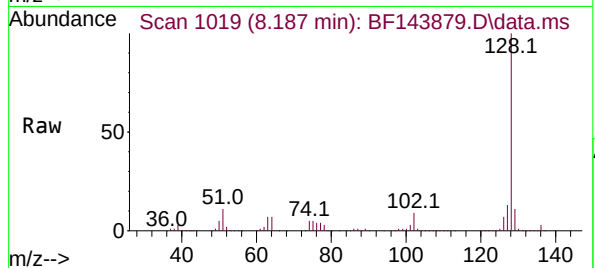
127 12.5 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

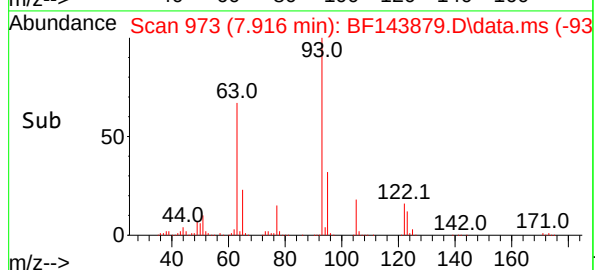
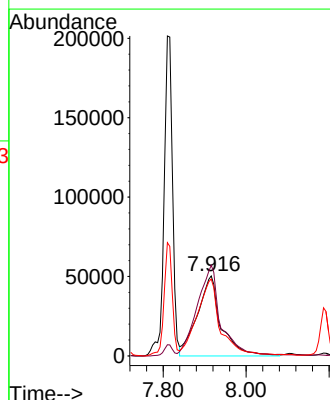
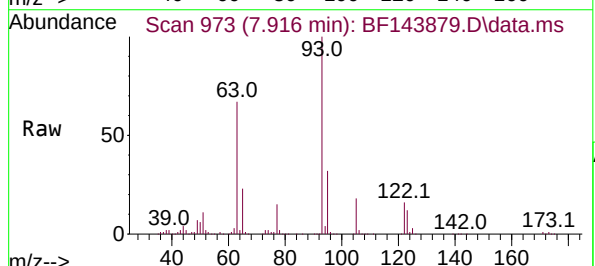
Tgt Ion:122 Resp: 199609

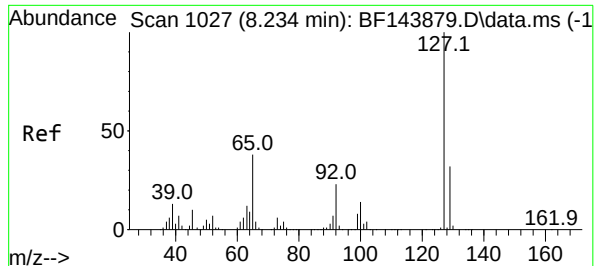
Ion Ratio Lower Upper

122 100

105 113.5 93.5 133.5

77 96.3 76.3 116.3





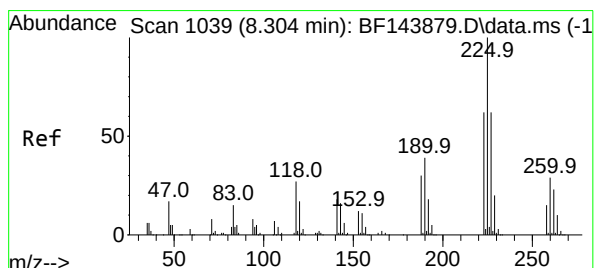
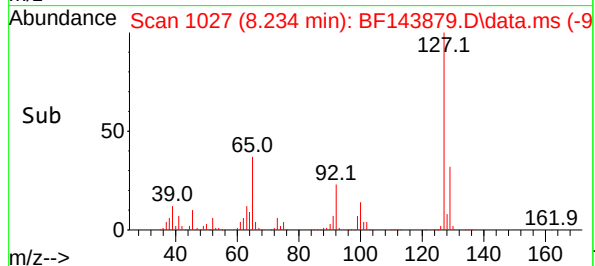
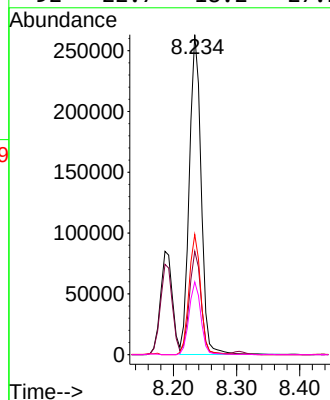
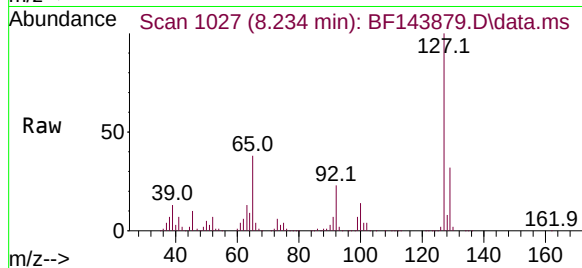
#33
4-Chloroaniline
Concen: 41.630 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
Client Sample Id :
SSTDICCC040

Tgt Ion:127 Resp: 340866
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

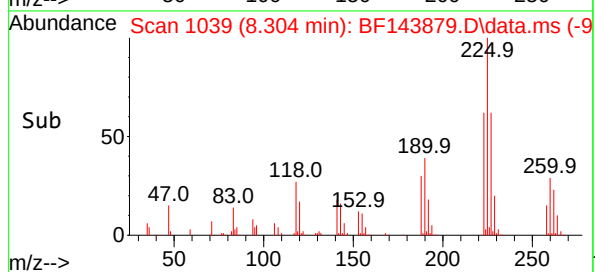
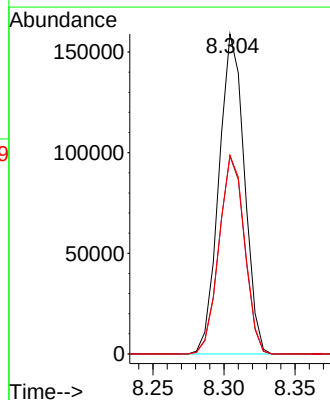
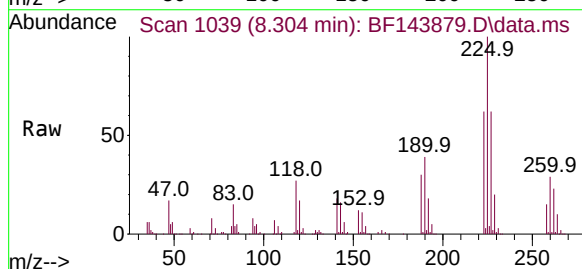
Manual Integrations
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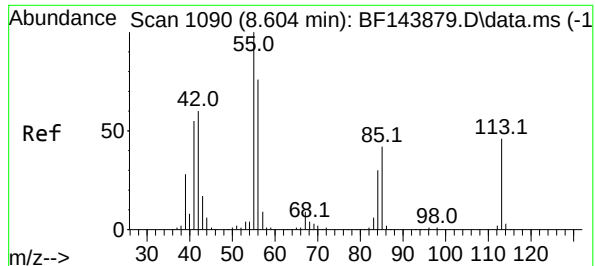
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1090

Delta R.T. -0.041 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

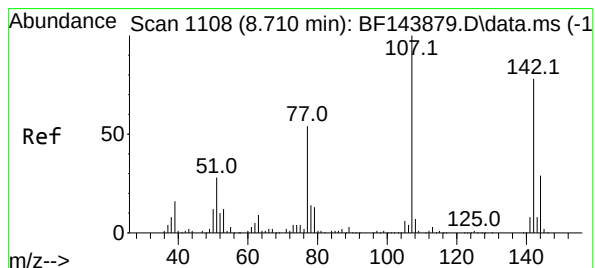
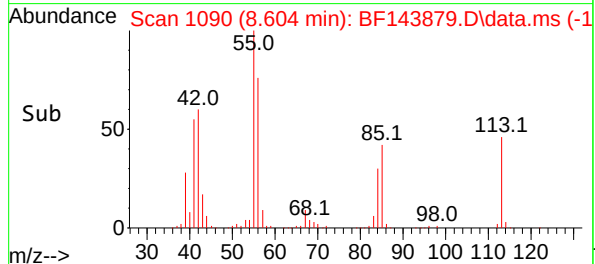
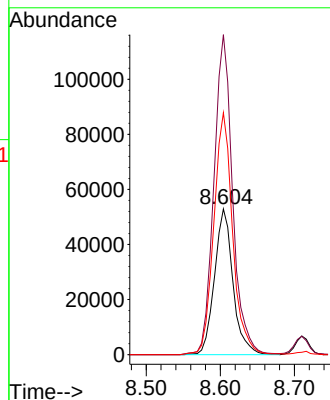
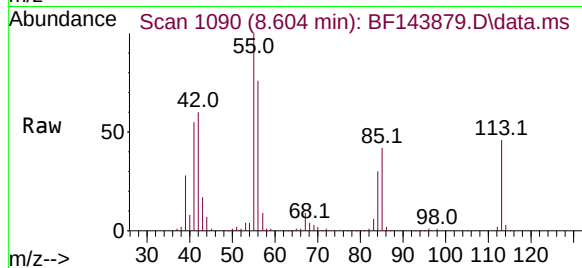
SSTDICCC040

Tgt Ion:	113	Resp:	91458
Ion	Ratio	Lower	Upper
113	100		
55	219.6	199.6	239.6
56	166.0	146.0	186.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#36

4-Chloro-3-methylphenol

Concen: 40.758 ng

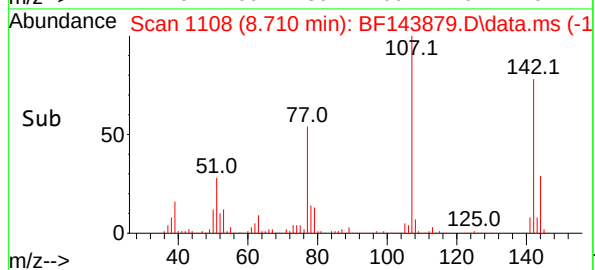
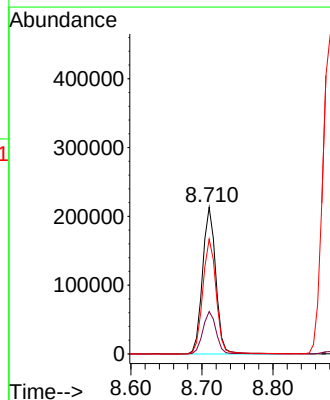
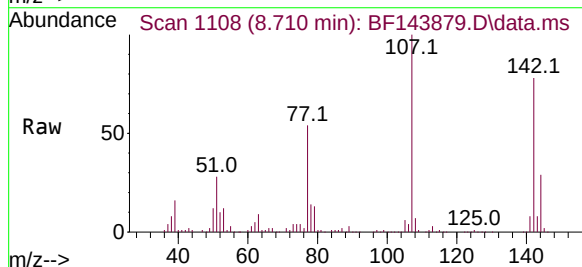
RT: 8.710 min Scan# 1108

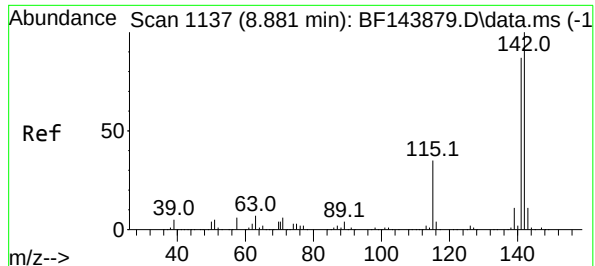
Delta R.T. -0.012 min

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# 1137

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:142 Resp: 591428

Ion Ratio Lower Upper

142 100

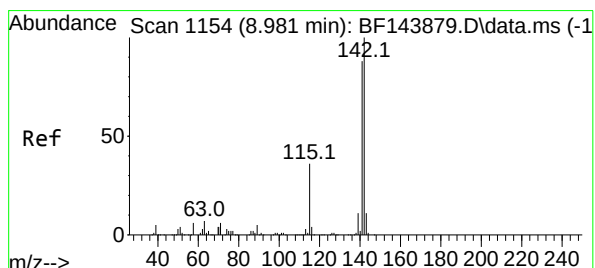
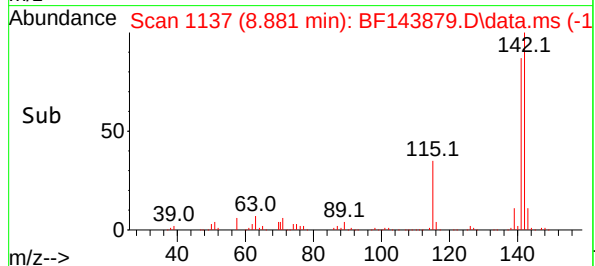
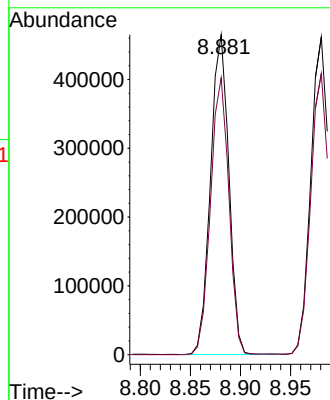
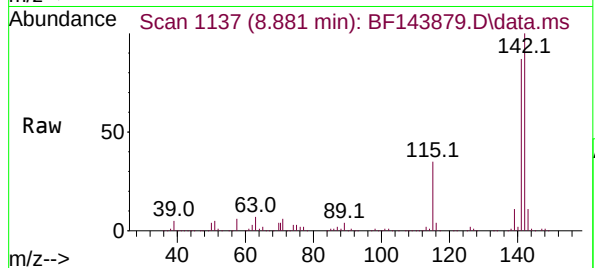
141 86.5 69.2 103.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 41.196 ng

RT: 8.981 min Scan# 1154

Delta R.T. -0.005 min

Lab File: BF143879.D

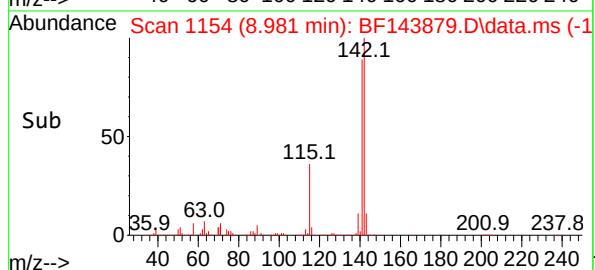
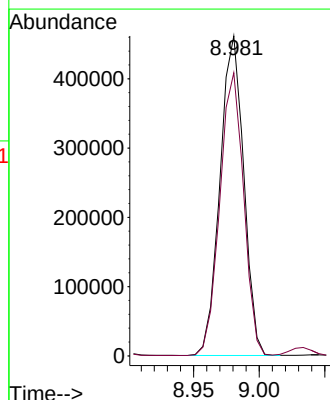
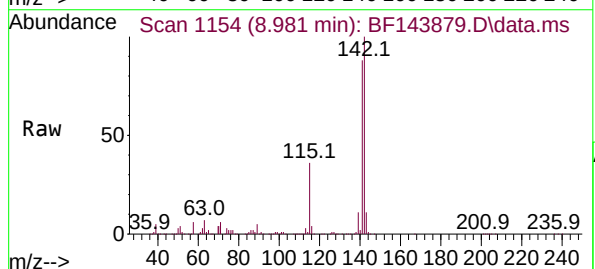
Acq: 06 Oct 2025 12:54

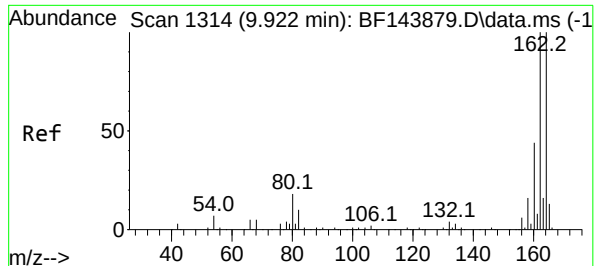
Tgt Ion:142 Resp: 581114

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# 1314

Delta R.T. -0.005 min

Lab File: BF143879.D

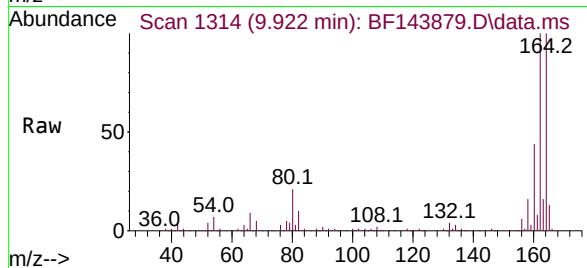
Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:164 Resp: 260024

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

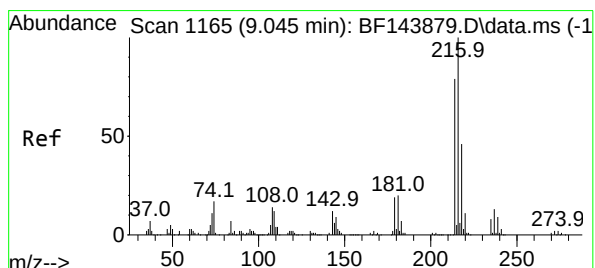
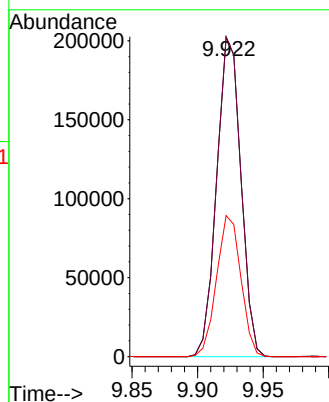
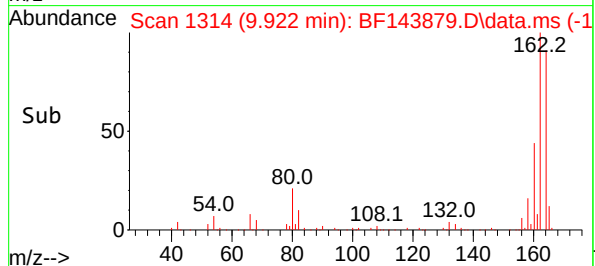
160 44.2 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

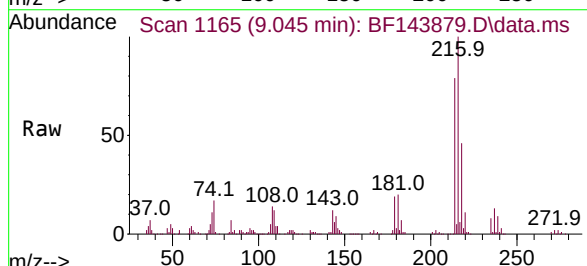
Concen: 42.665 ng

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

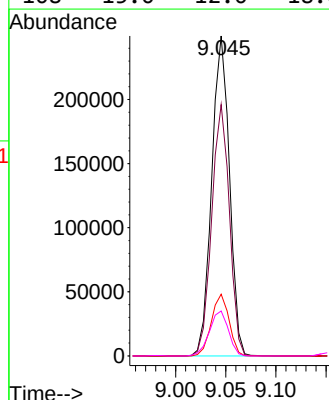
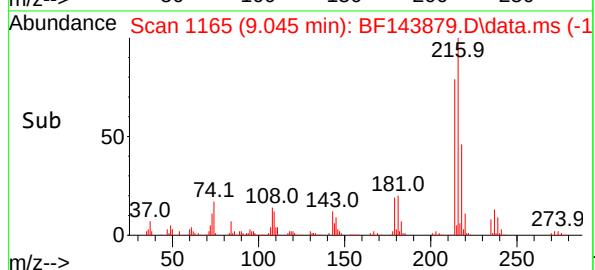
Ion Ratio Lower Upper

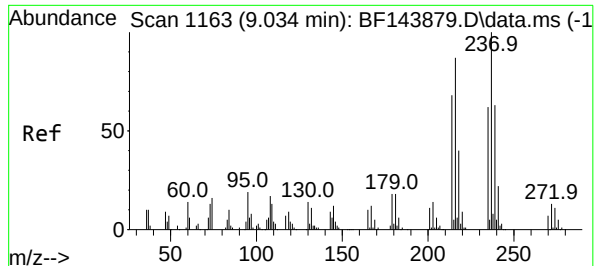
216 100

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# 1163

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

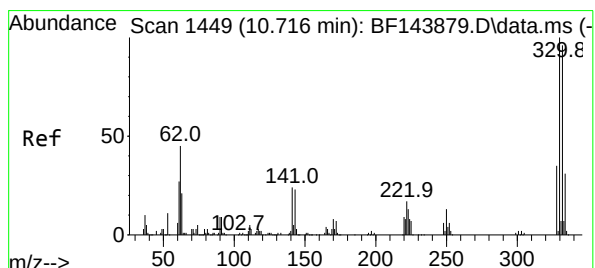
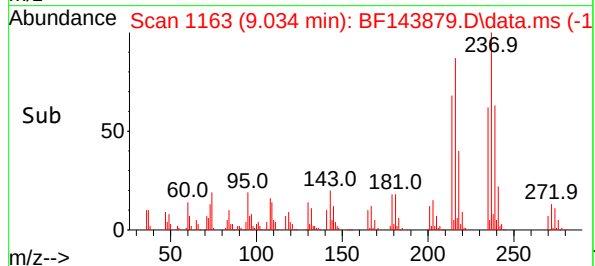
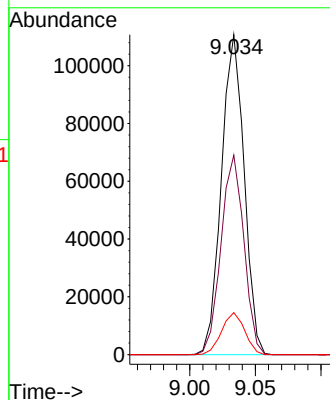
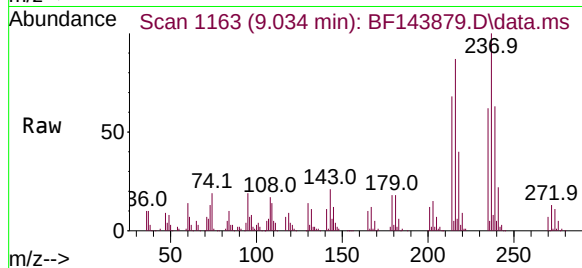
Tgt Ion:	237	Resp:	133694
Ion Ratio	Lower	Upper	
237	100		
235	62.3	42.3	82.3
272	13.1	0.0	33.1

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#42

2,4,6-Tribromophenol

Concen: 83.200 ng

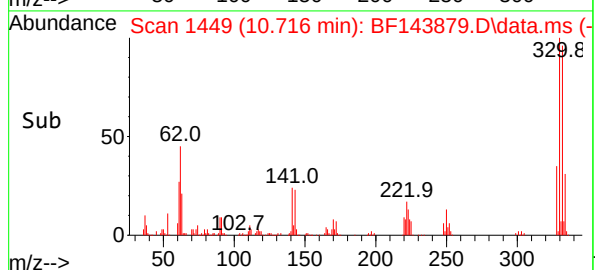
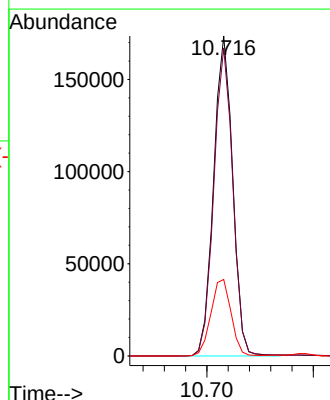
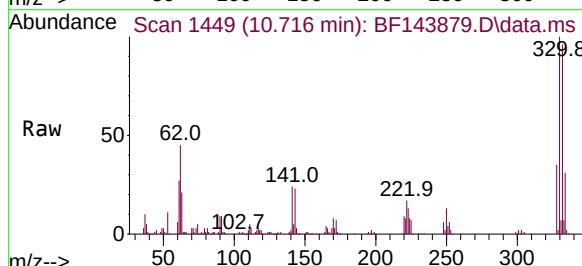
RT: 10.716 min Scan# 1449

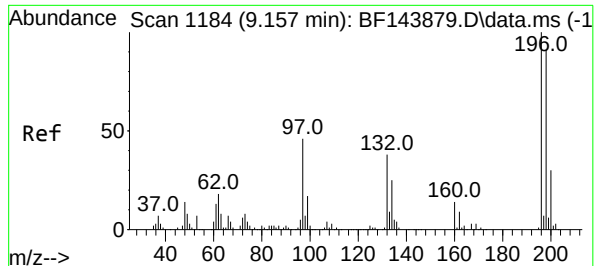
Delta R.T. -0.006 min

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# 1184

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 231469

Ion Ratio Lower Upper

196 100

198 91.0 72.8 109.2

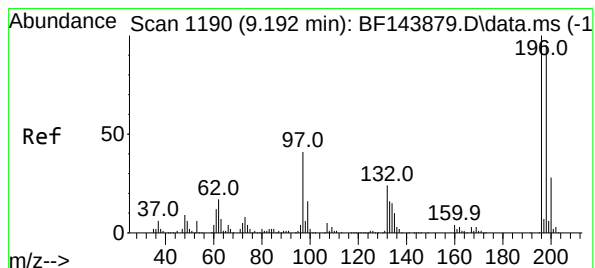
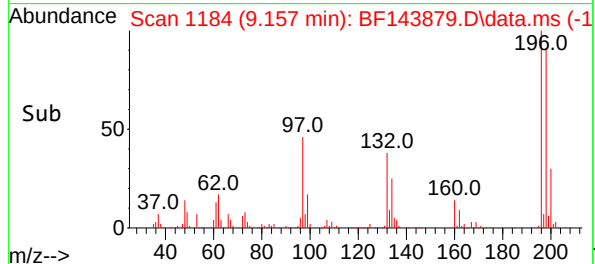
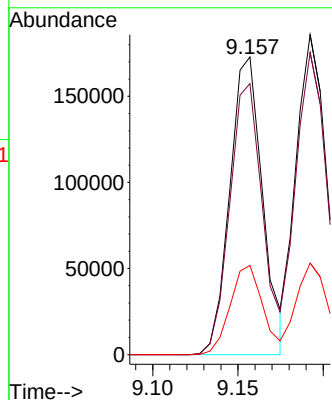
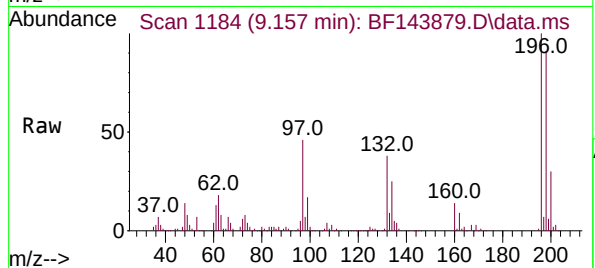
200 30.0 24.0 36.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

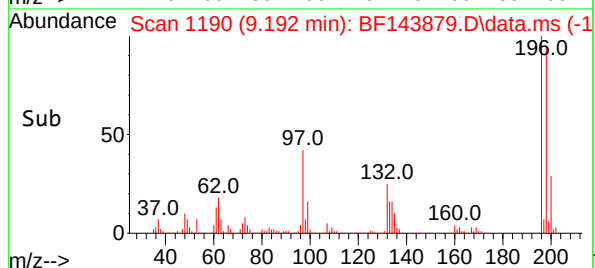
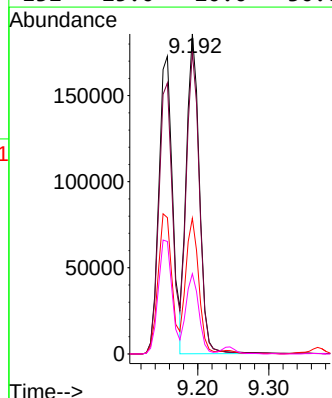
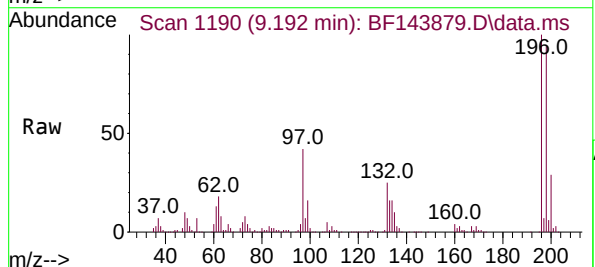
Ion Ratio Lower Upper

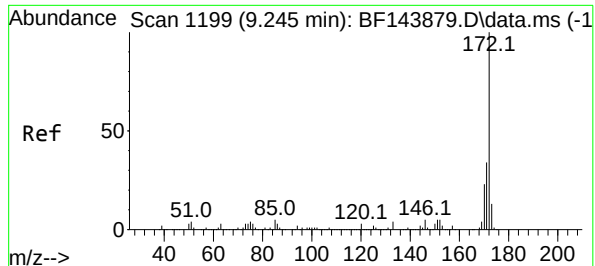
196 100

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# 1199

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 1273210

Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

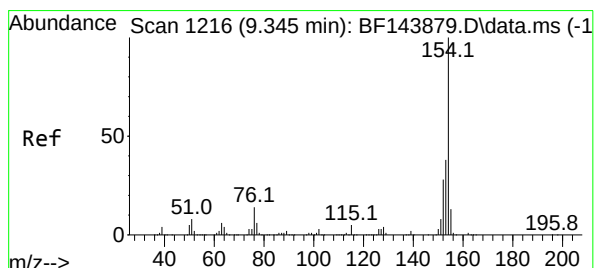
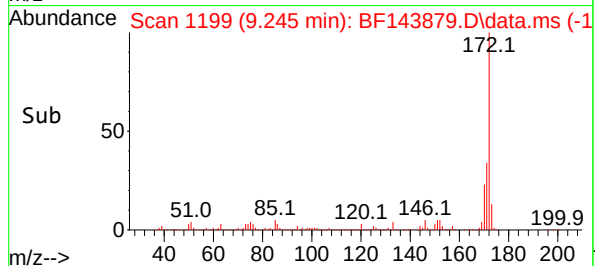
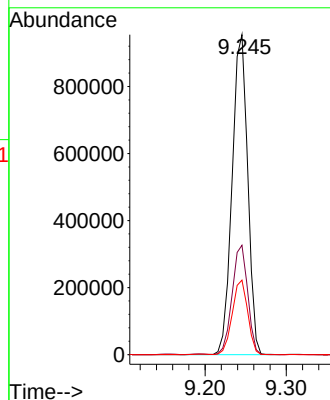
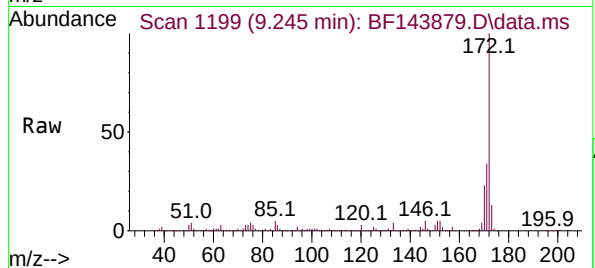
170 23.3 18.6 28.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

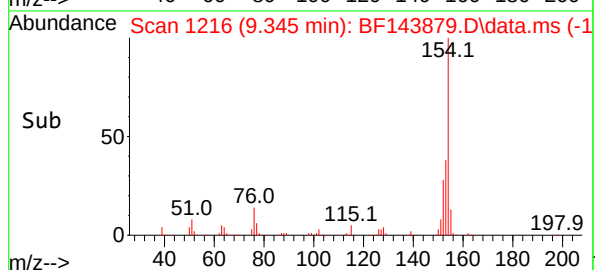
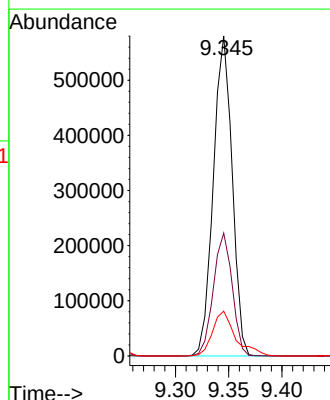
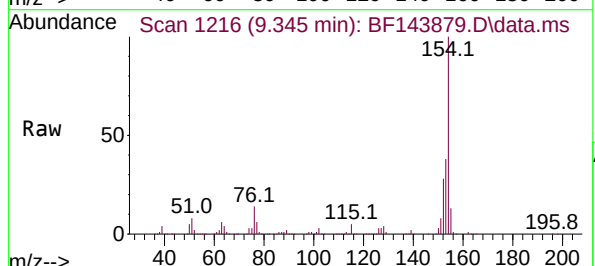
Tgt Ion:154 Resp: 714293

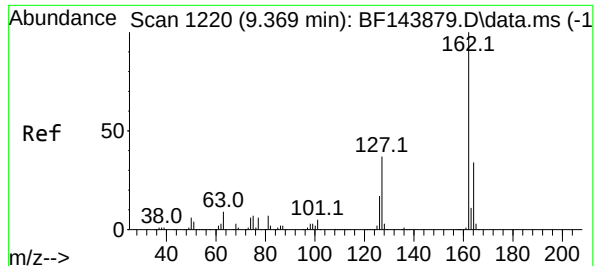
Ion Ratio Lower Upper

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# 1220

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 59144

Ion Ratio Lower Upper

162 100

127 37.7 30.2 45.2

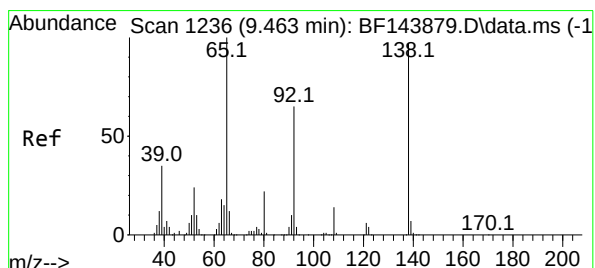
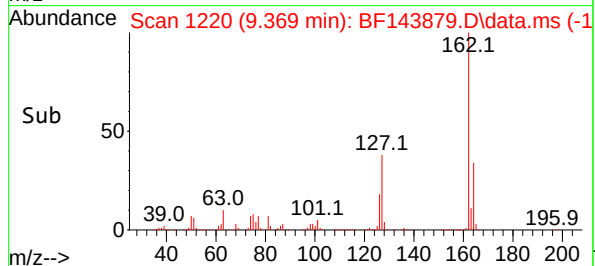
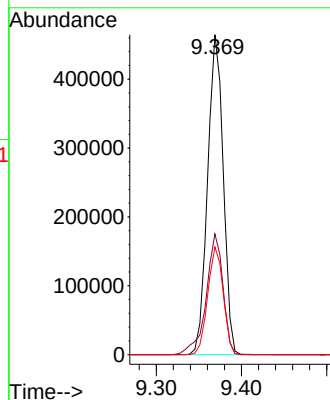
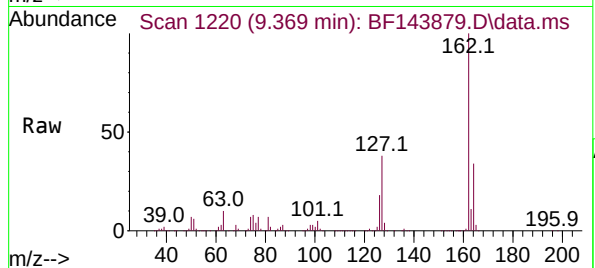
164 33.6 26.9 40.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

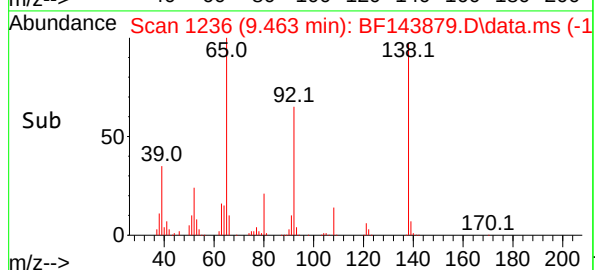
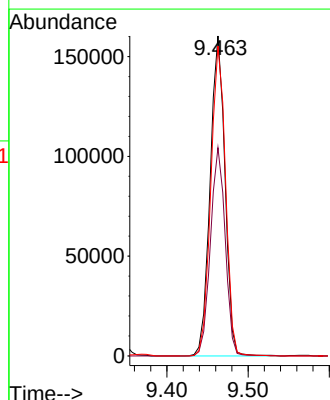
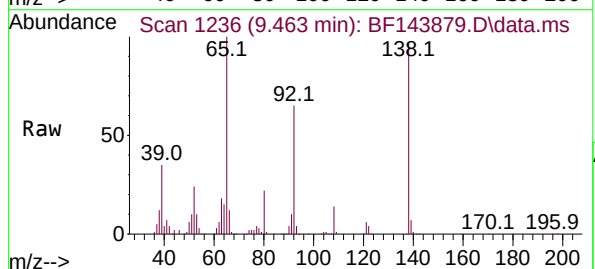
Tgt Ion: 65 Resp: 203733

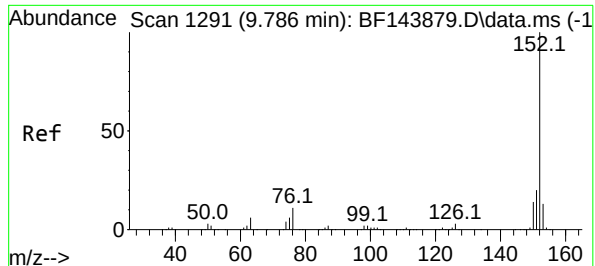
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 844062

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

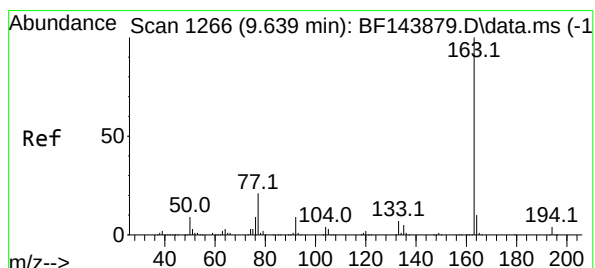
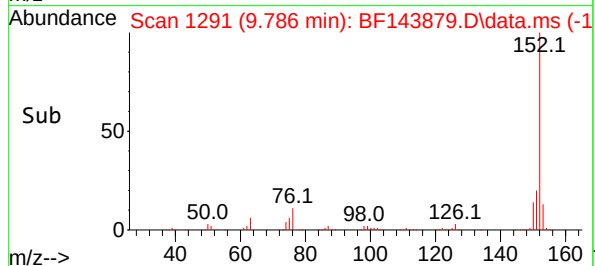
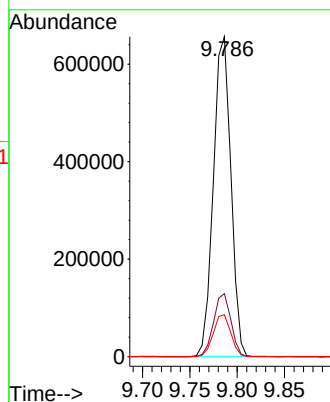
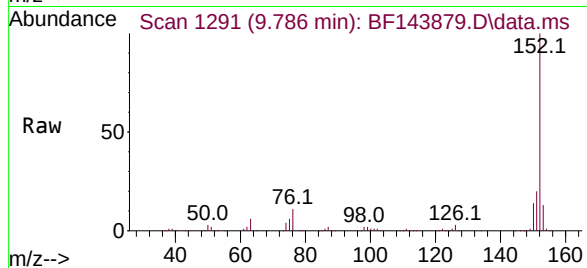
153 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

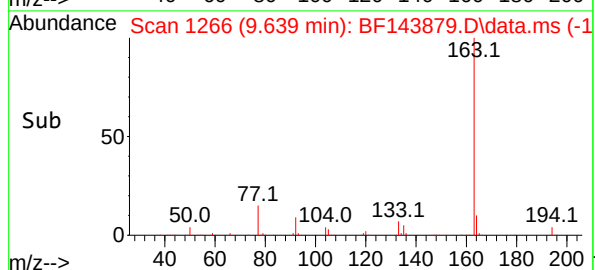
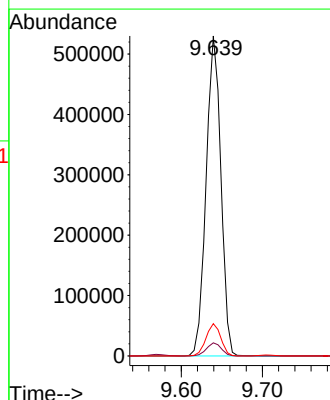
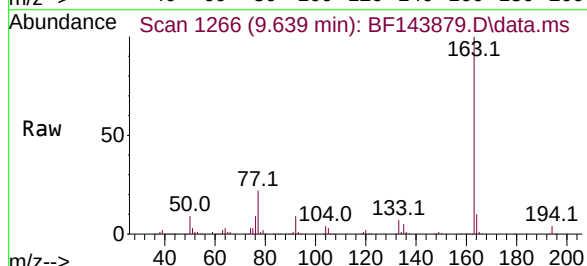
Tgt Ion:163 Resp: 671290

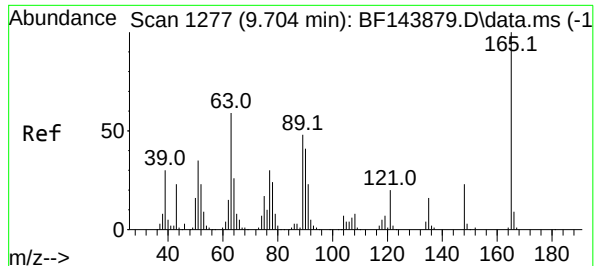
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

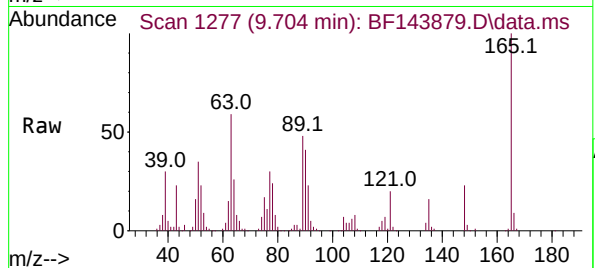
164 10.1 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 44.481 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

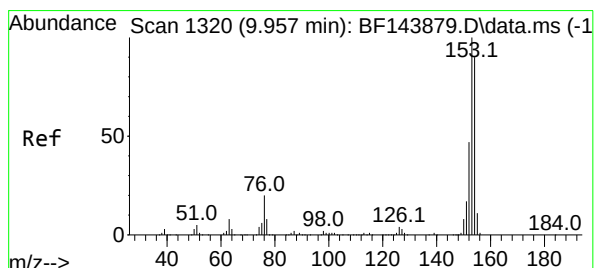
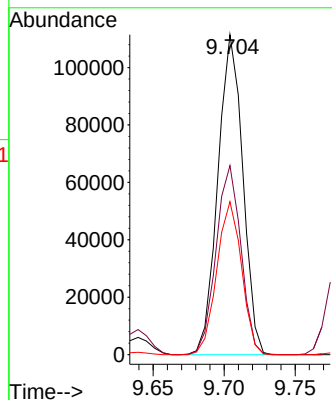
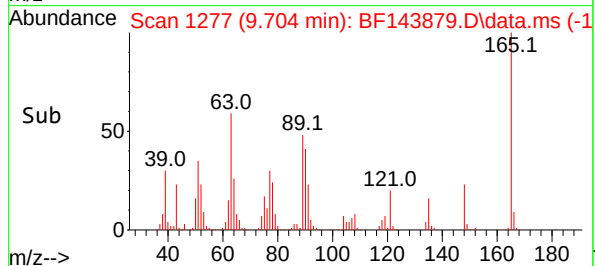
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 136198
Ion Ratio Lower Upper
165 100
63 59.1 47.3 70.9
89 47.8 38.2 57.4

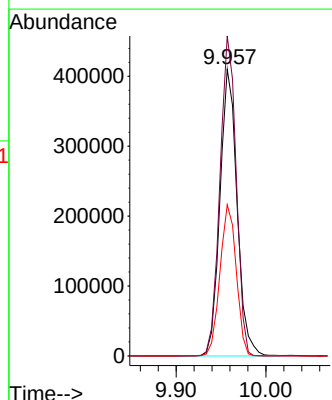
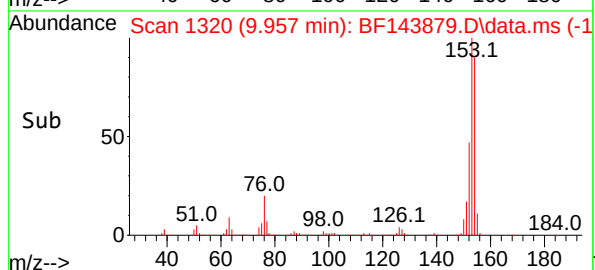
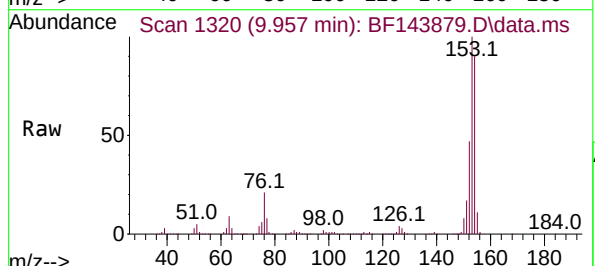
Manual Integrations
APPROVED

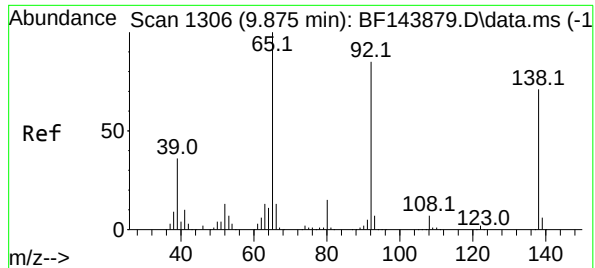
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

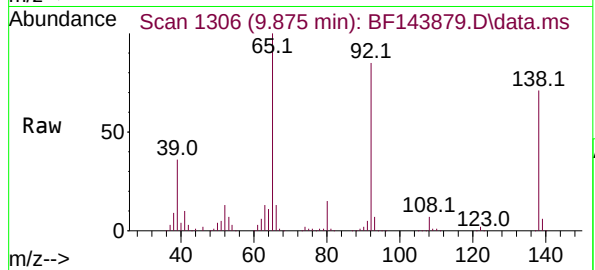
Tgt Ion:154 Resp: 547286
Ion Ratio Lower Upper
154 100
153 111.6 89.3 133.9
152 52.7 42.2 63.2





#53
3-Nitroaniline
Concen: 42.507 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

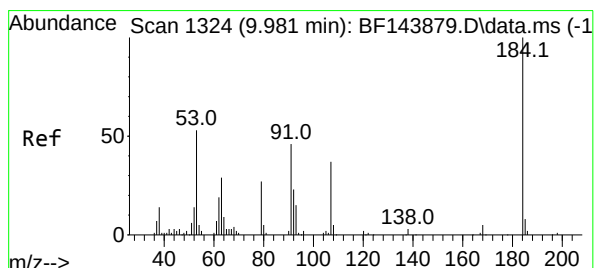
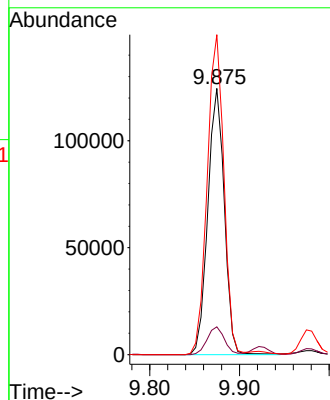
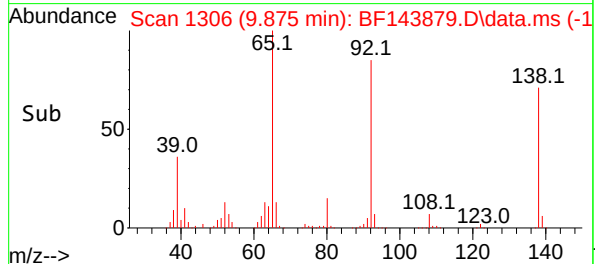
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 159366
Ion Ratio Lower Upper
138 100
108 10.4 8.3 12.5
92 120.2 96.2 144.2

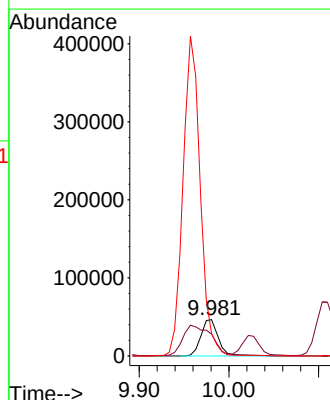
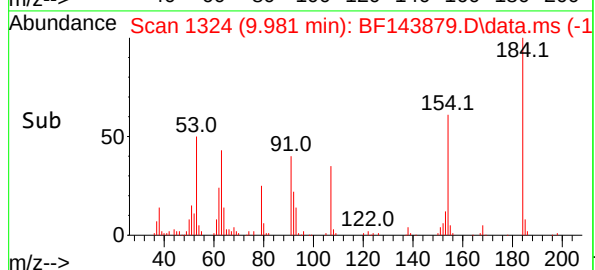
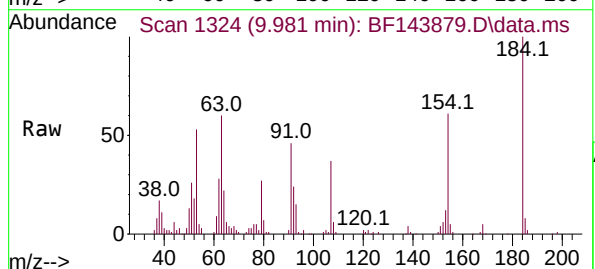
Manual Integrations
APPROVED

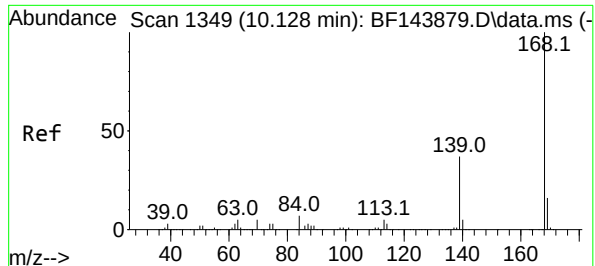
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

Dibenzenofuran

Concen: 41.625 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 776950

Ion Ratio Lower Upper

168 100

139 37.3 29.8 44.8

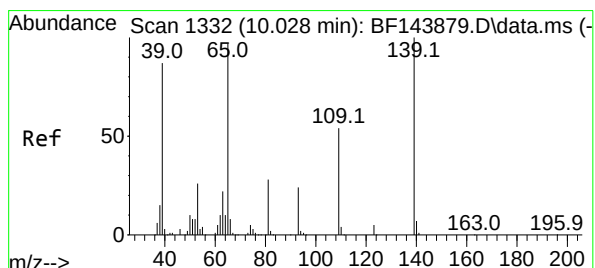
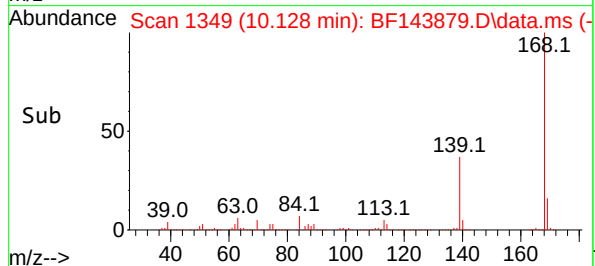
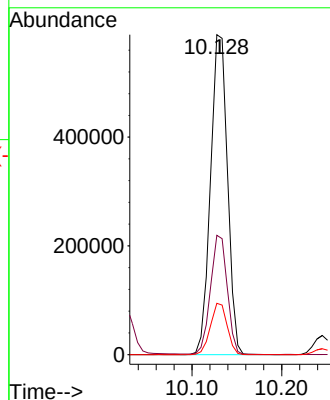
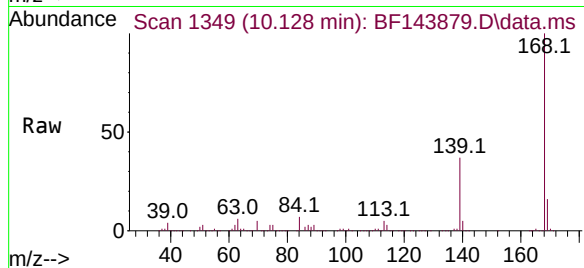
169 16.0 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

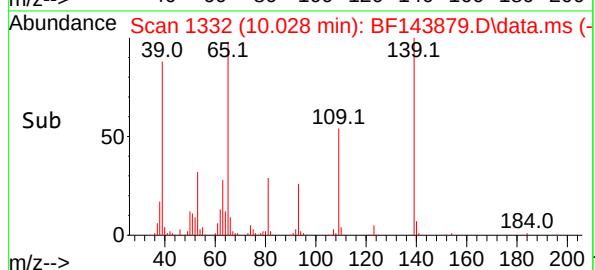
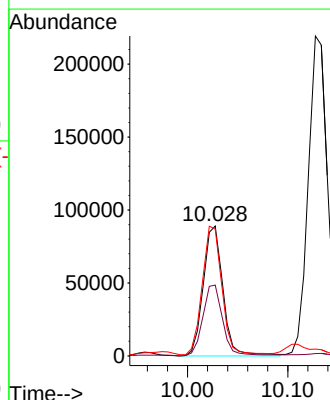
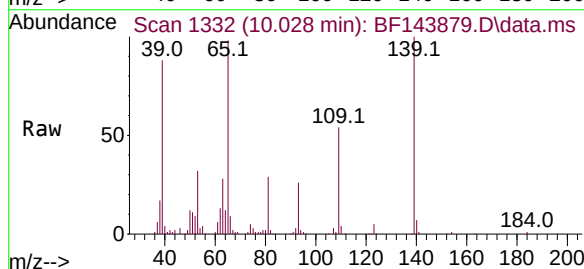
Tgt Ion:139 Resp: 121519

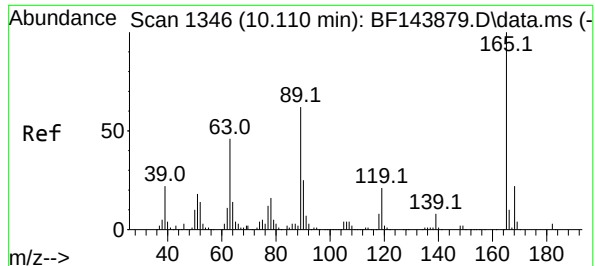
Ion Ratio Lower Upper

139 100

109 54.5 34.5 74.5

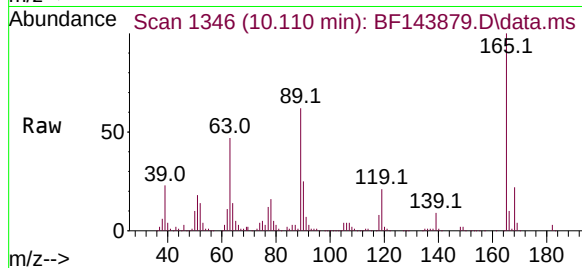
65 97.6 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 45.597 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

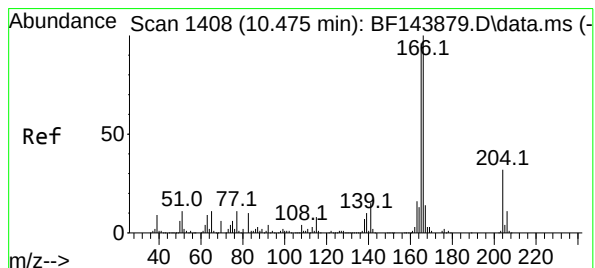
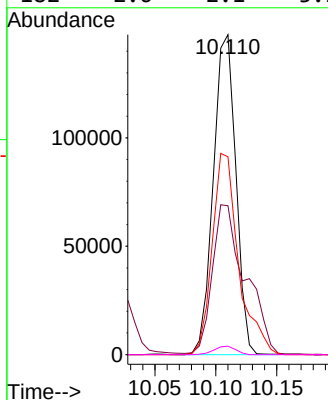
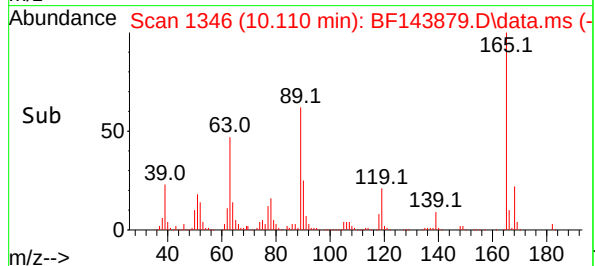
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 189965
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

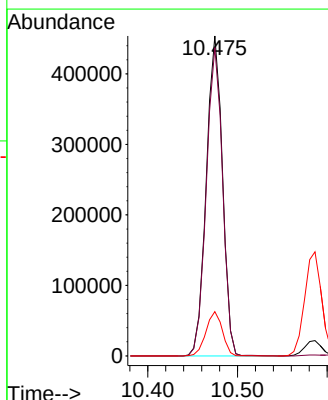
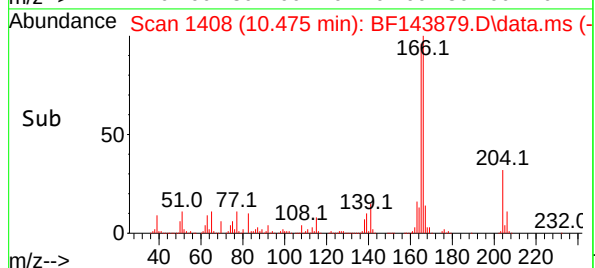
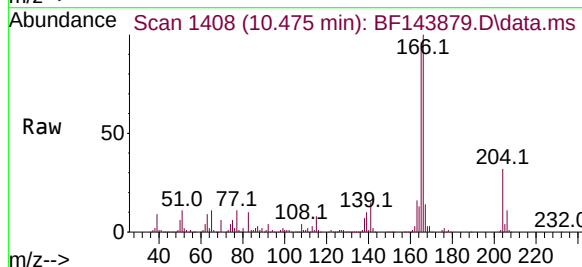
Manual Integrations
APPROVED

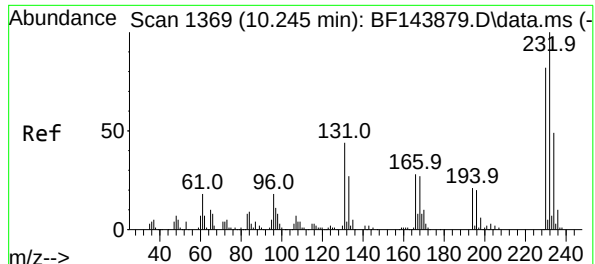
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

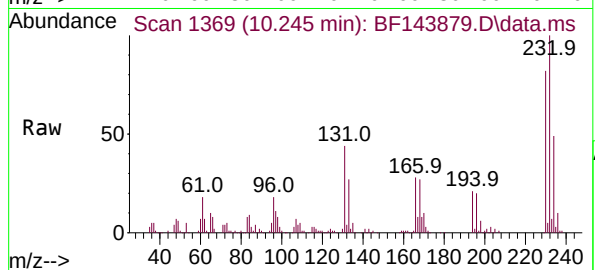
Tgt Ion:166 Resp: 570508
Ion Ratio Lower Upper
166 100
165 96.3 77.0 115.6
167 13.9 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.006 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

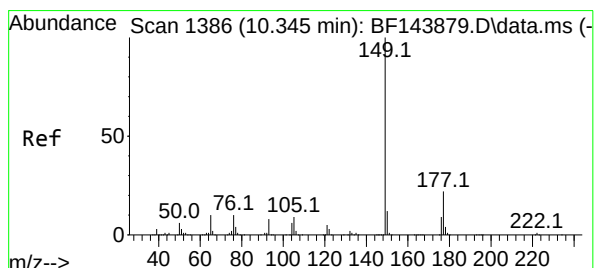
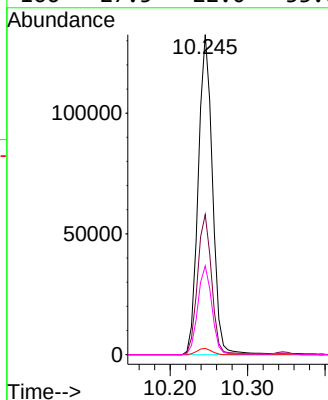
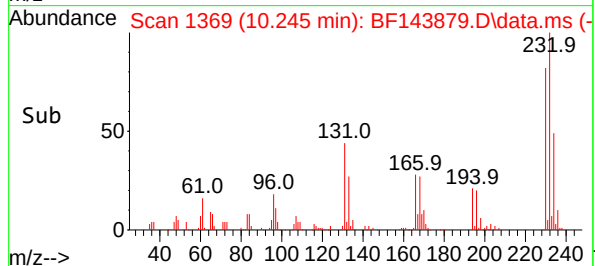
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



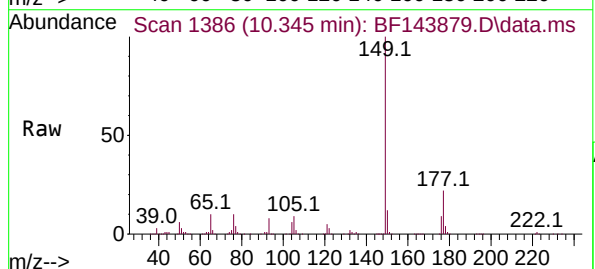
Tgt Ion:232 Resp: 168932
Ion Ratio Lower Upper
232 100
131 43.6 34.9 52.3
130 2.0 1.6 2.4
166 27.5 22.0 33.0

Manual Integrations
APPROVED

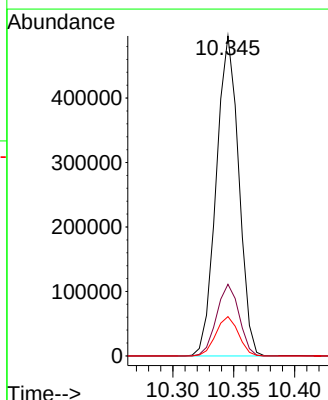
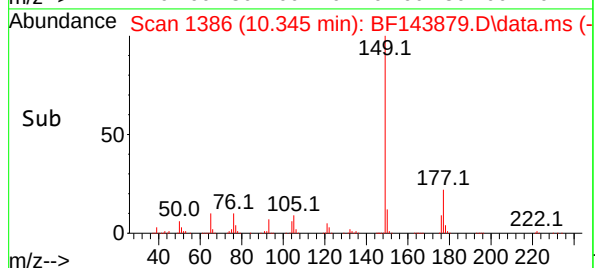
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

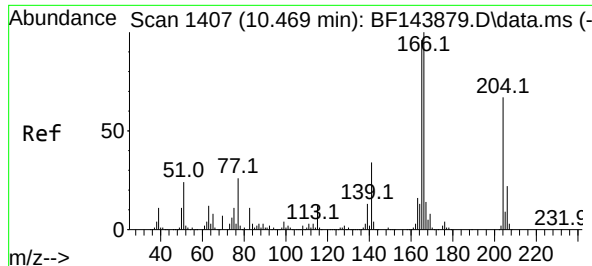


#60
Diethylphthalate
Concen: 41.422 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



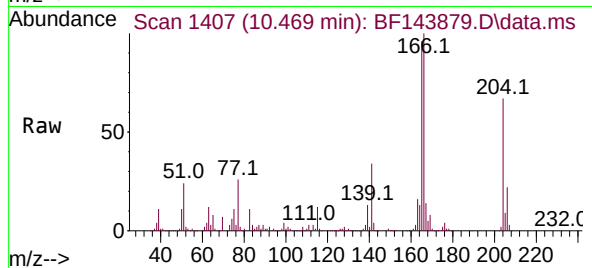
Tgt Ion:149 Resp: 635433
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.3 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 41.632 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

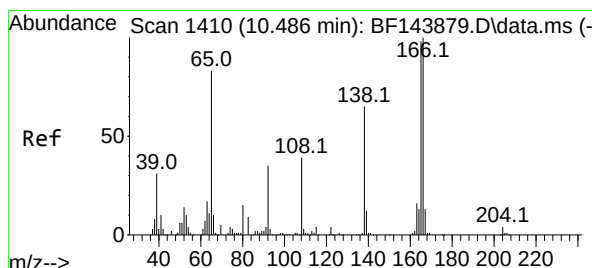
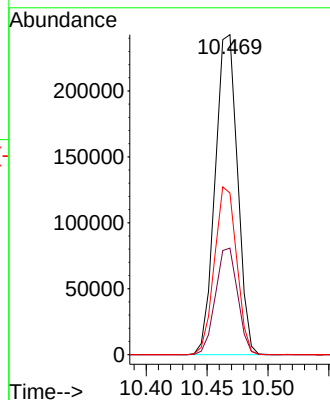
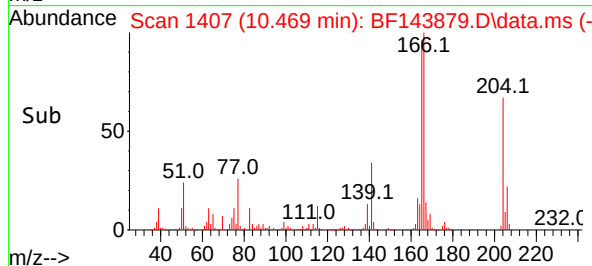
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:204 Resp: 310008
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 50.5 40.4 60.6

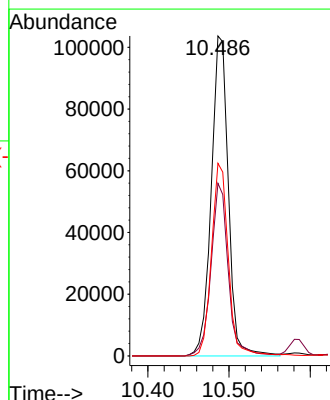
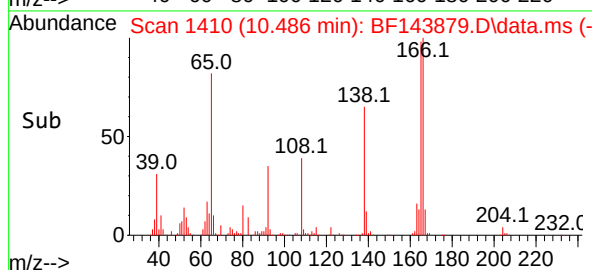
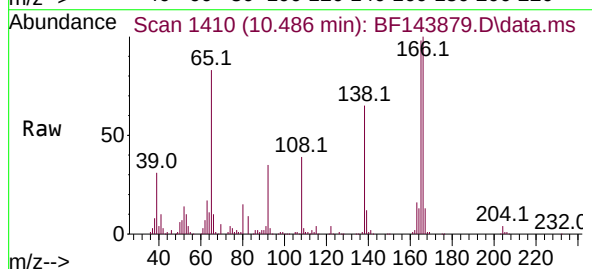
Manual Integrations
APPROVED

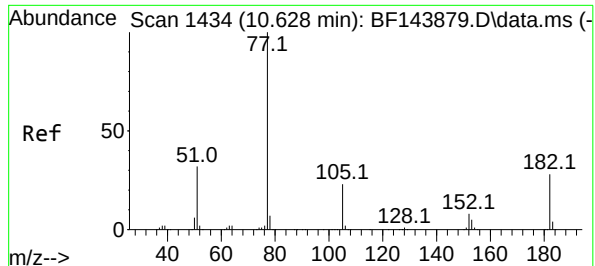
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

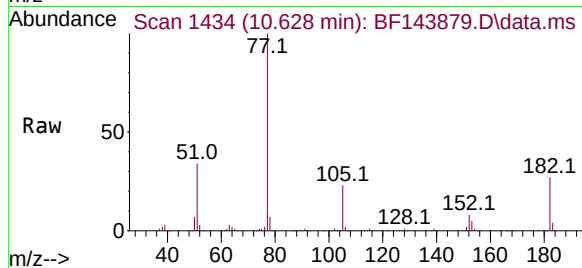
Tgt Ion:138 Resp: 151866
Ion Ratio Lower Upper
138 100
92 53.9 33.9 73.9
108 60.2 40.2 80.2





#63
Azobenzene
Concen: 41.521 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

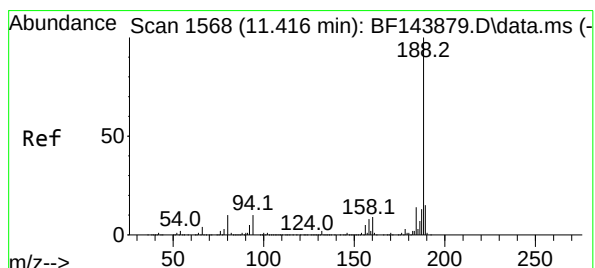
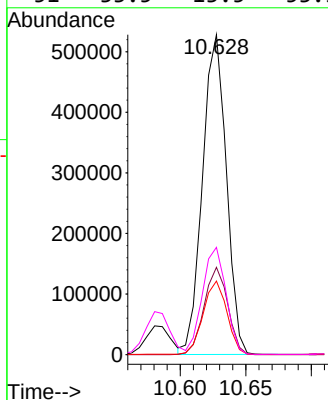
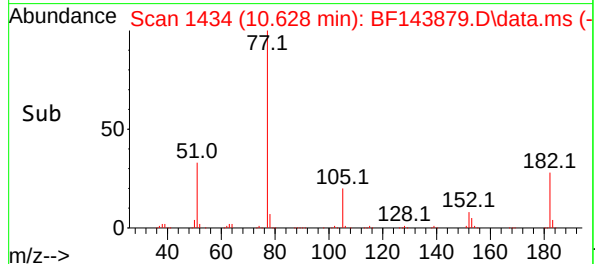
Instrument :
BNA_F
Client Sample Id :
SSTDICCC040



Tgt Ion: 77 Resp: 665698
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

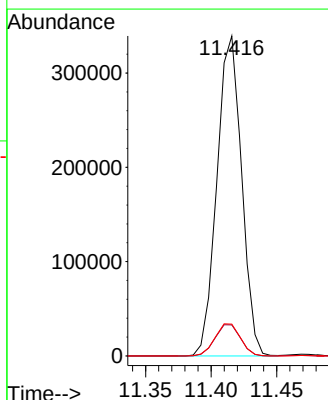
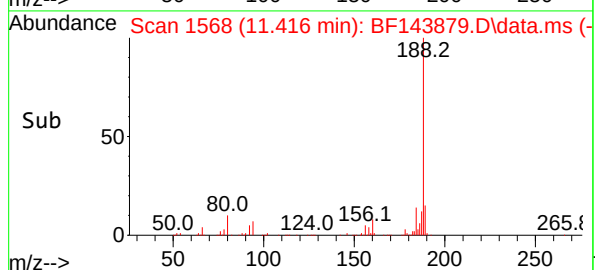
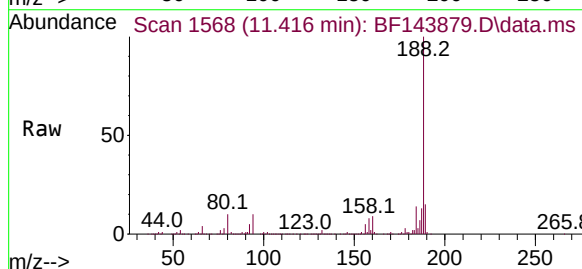
Manual Integrations
APPROVED

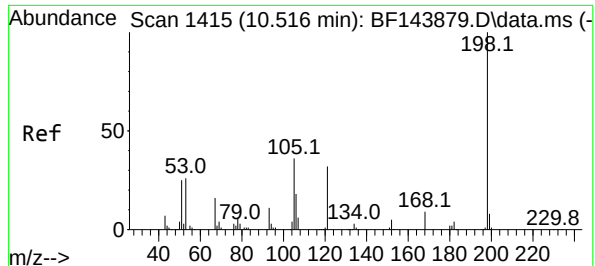
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





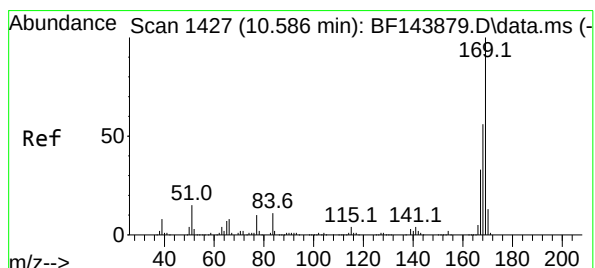
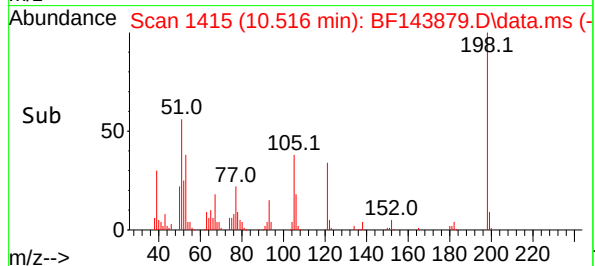
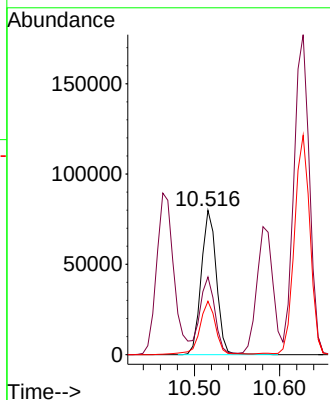
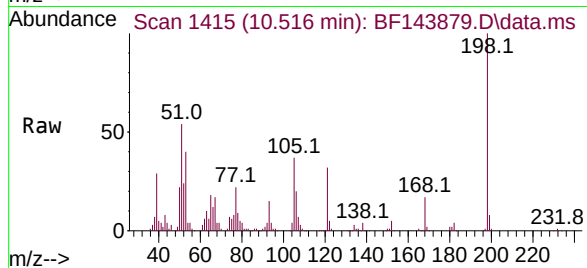
#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

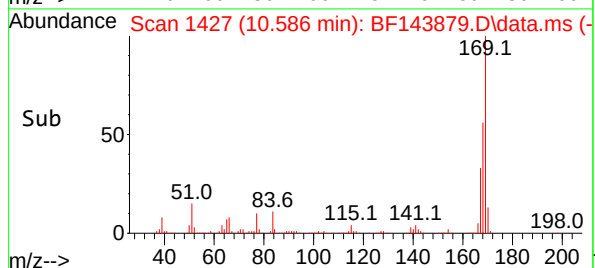
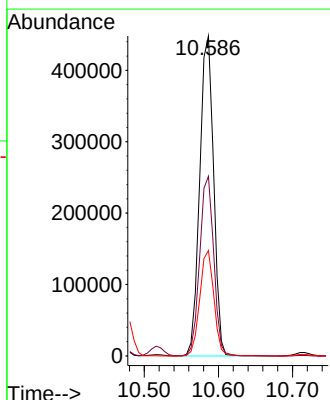
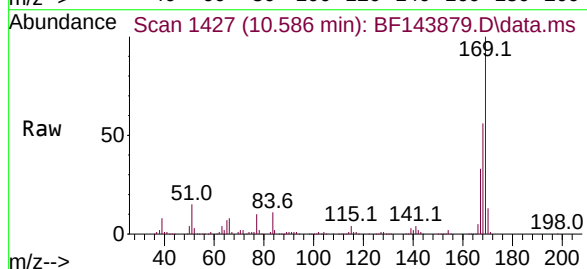
Manual Integrations
APPROVED

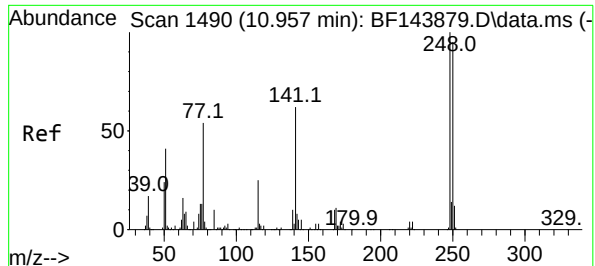
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

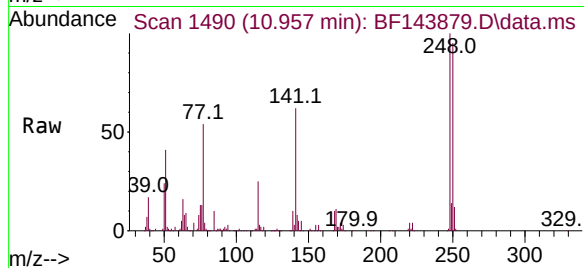
Tgt Ion:169 Resp: 583617
Ion Ratio Lower Upper
169 100
168 56.1 44.9 67.3
167 32.9 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 41.803 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

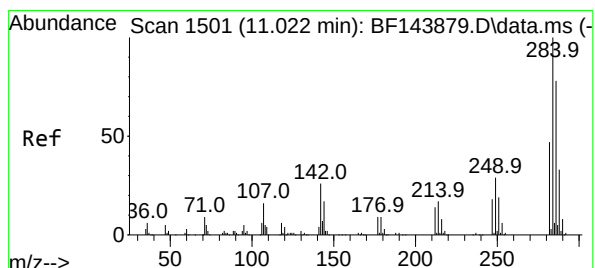
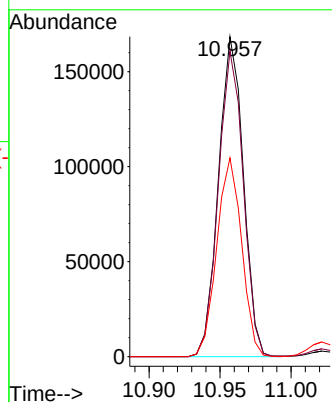
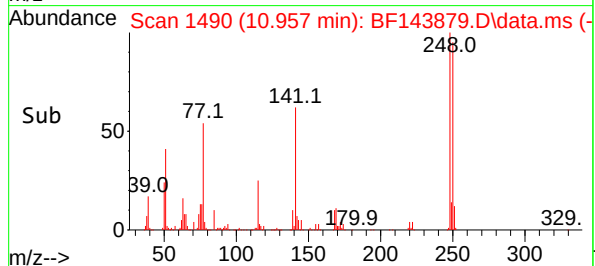
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:248 Resp: 205559
Ion Ratio Lower Upper
248 100
250 95.4 76.3 114.5
141 62.1 49.7 74.5

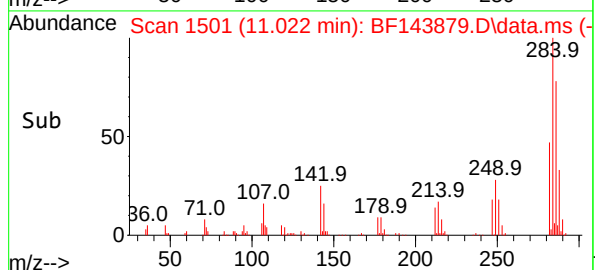
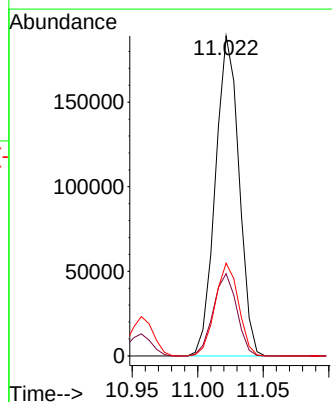
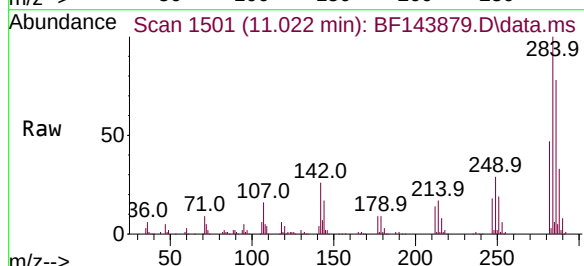
Manual Integrations
APPROVED

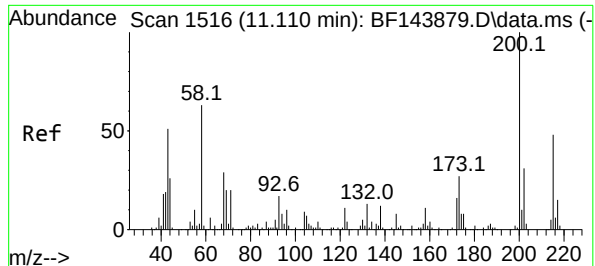
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1516

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 173212

Ion Ratio Lower Upper

200 100

173 27.0 7.0 47.0

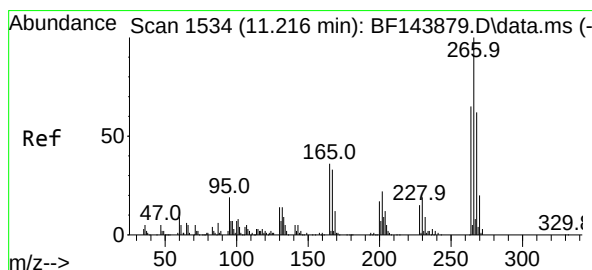
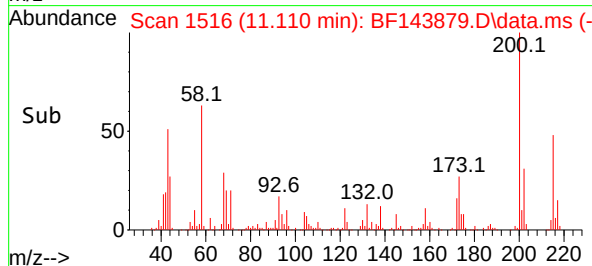
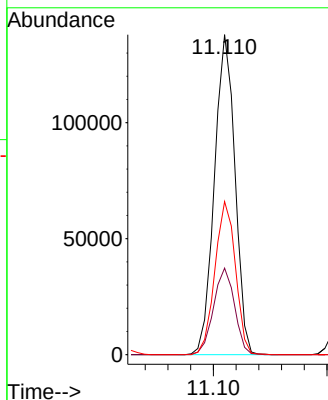
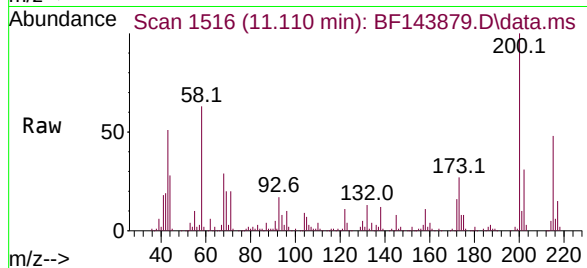
215 47.8 27.8 67.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

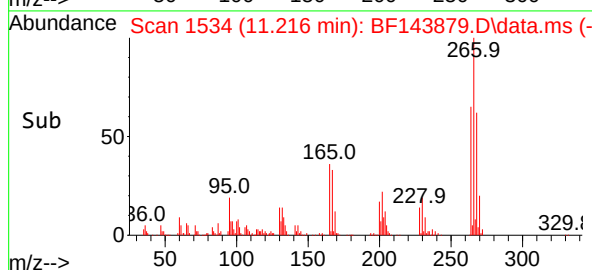
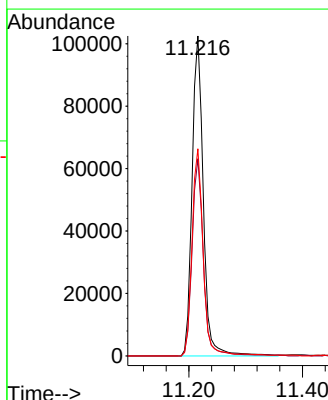
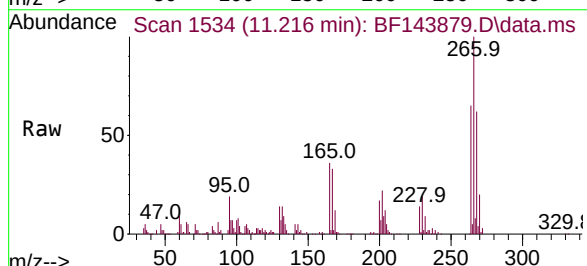
Tgt Ion:266 Resp: 140140

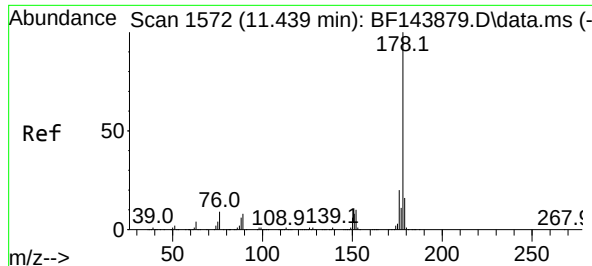
Ion Ratio Lower Upper

266 100

268 61.7 49.4 74.0

264 64.7 51.8 77.6





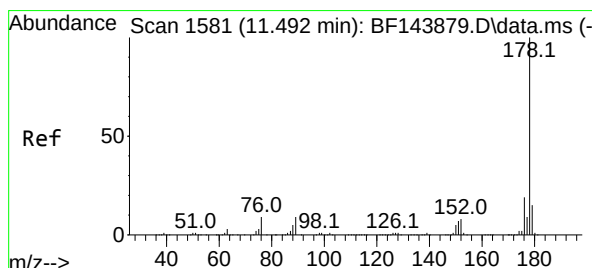
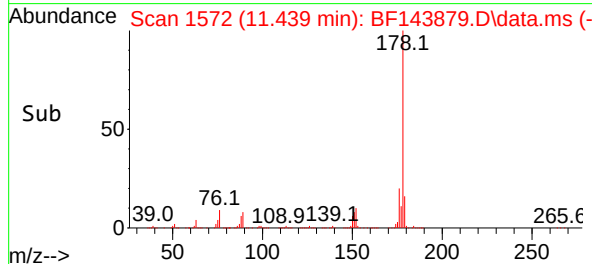
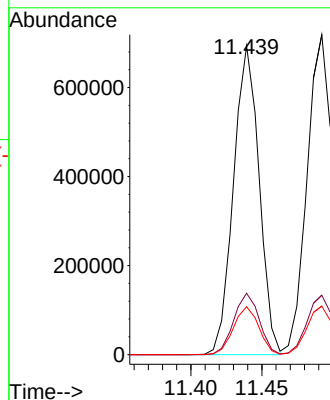
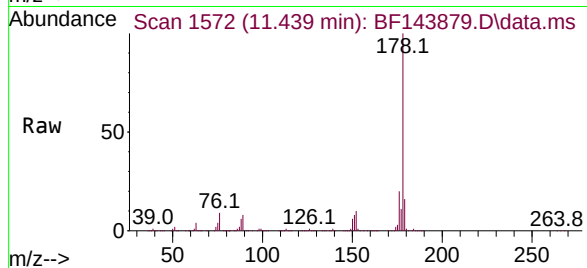
#71
Phenanthrene
Concen: 40.266 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 868592
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.5 12.4 18.6

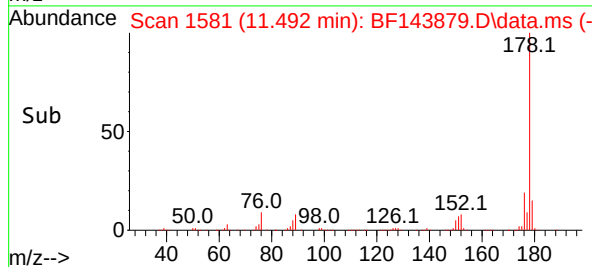
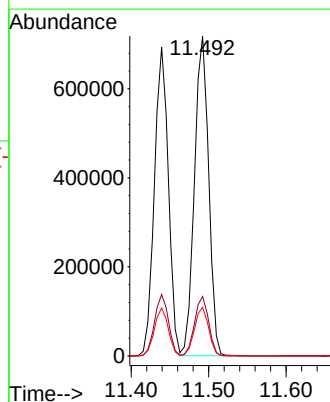
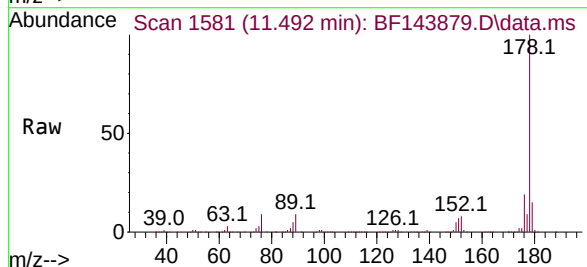
Manual Integrations
APPROVED

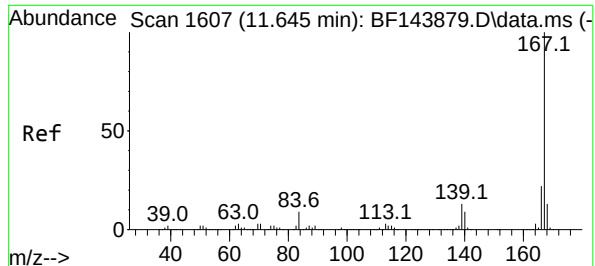
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

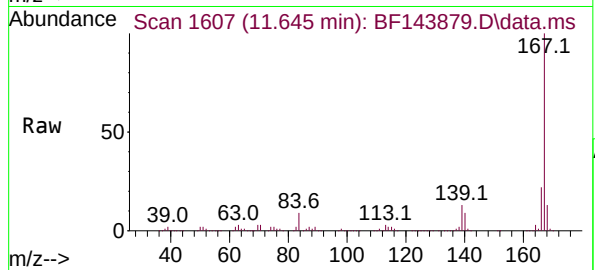
Tgt Ion:178 Resp: 912011
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 12.2 18.2





#73
Carbazole
Concen: 40.765 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

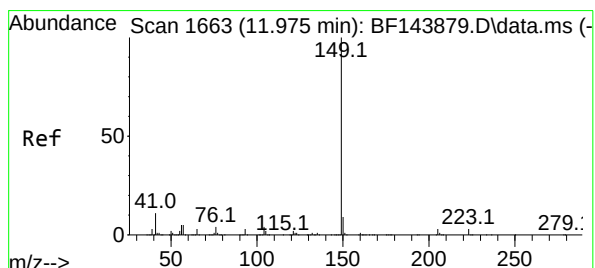
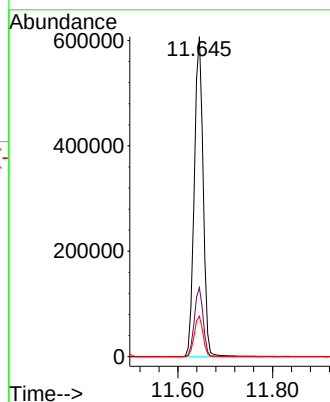
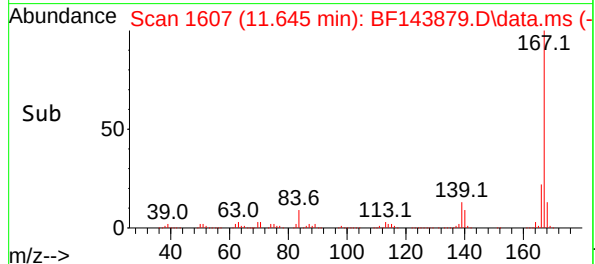
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 786783
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 12.6 10.1 15.1

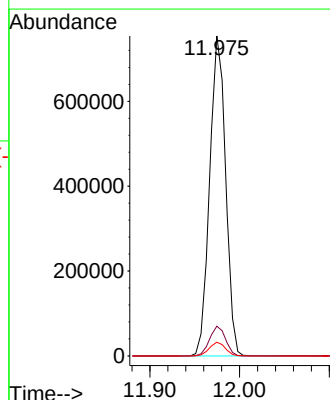
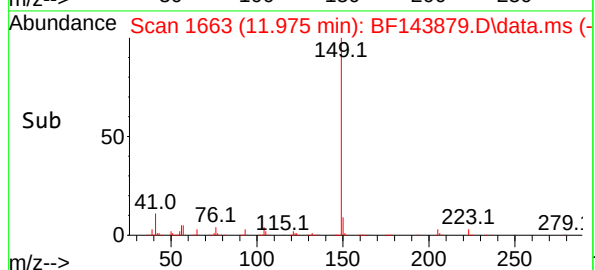
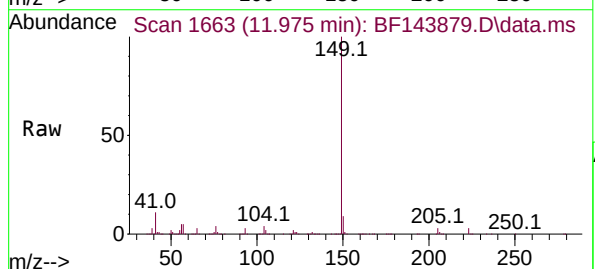
Manual Integrations
APPROVED

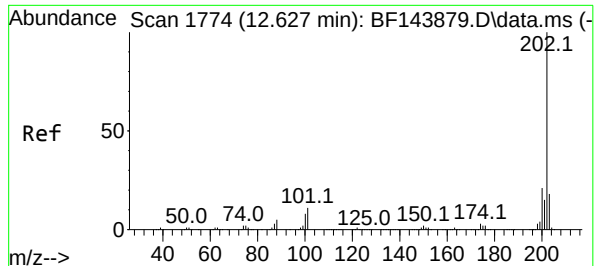
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

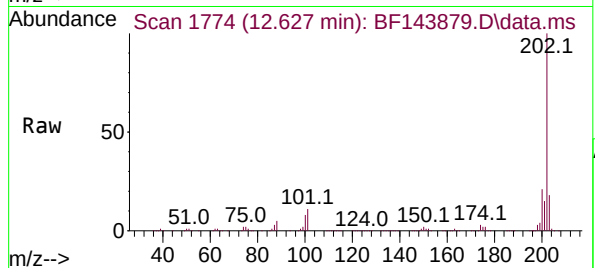
Tgt Ion:149 Resp: 936899
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.3 3.4 5.2





#75
Fluoranthene
Concen: 41.223 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

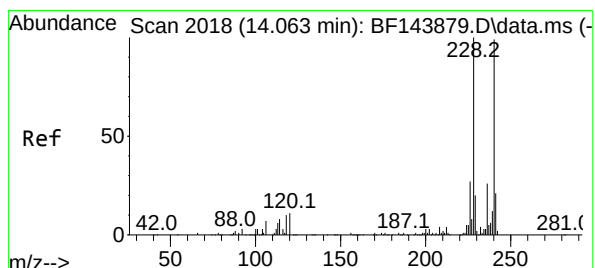
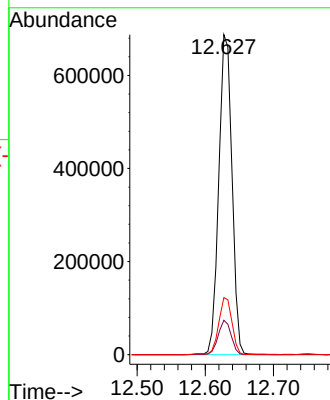
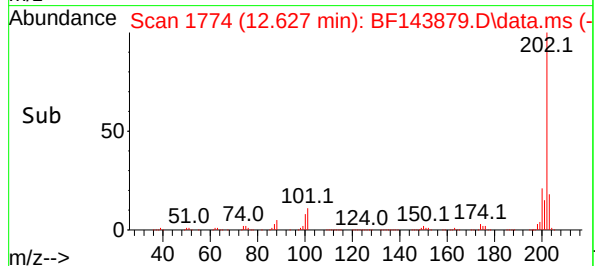
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



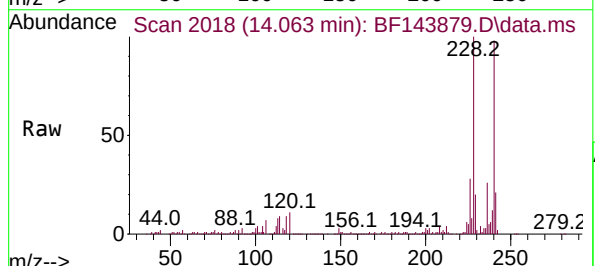
Tgt Ion:202 Resp: 918503
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.7
203 17.8 0.0 37.8

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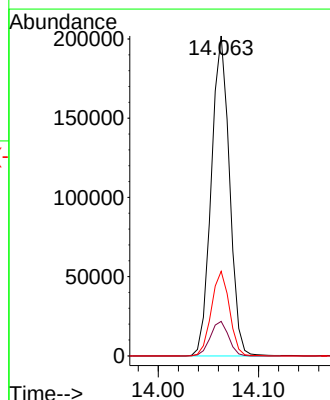
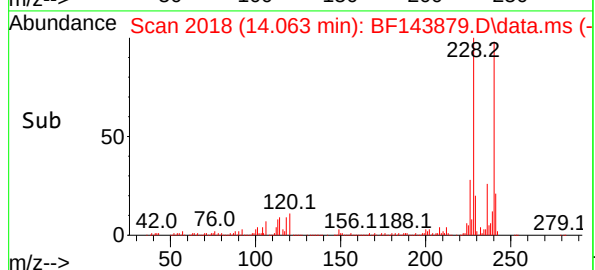
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

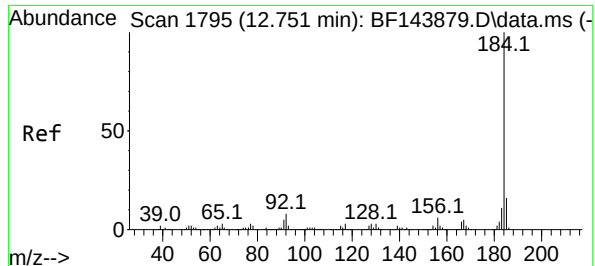


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



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# 1795

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

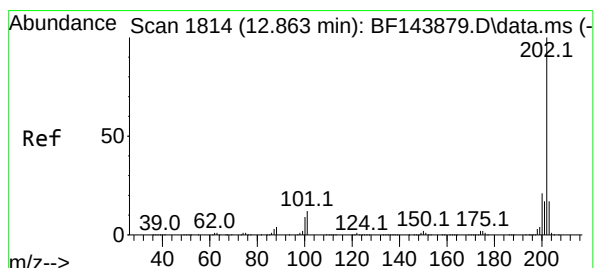
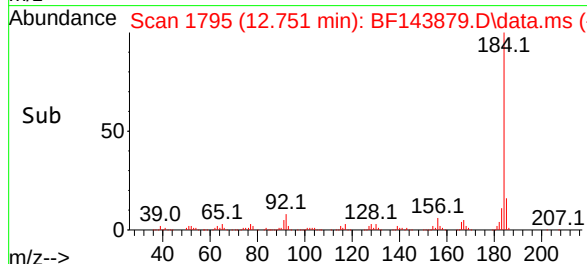
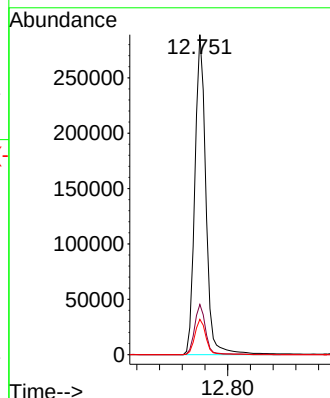
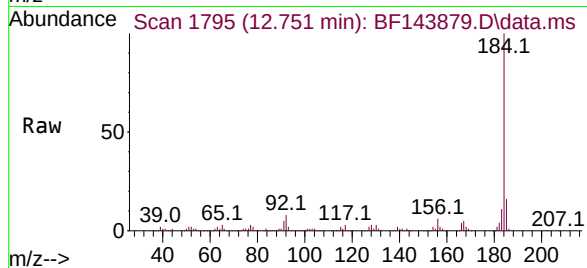
SSTDICCC040

Tgt Ion:184	Resp: 387464
Ion Ratio	Lower Upper
184	100
185	15.7 12.6 18.8
183	11.0 8.8 13.2

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

Concen: 44.692 ng

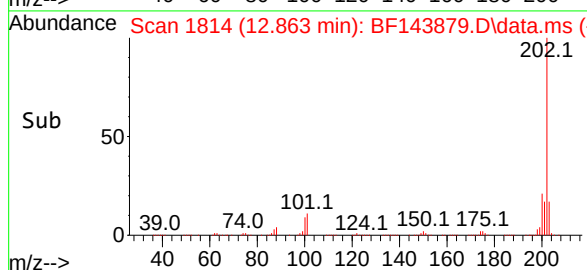
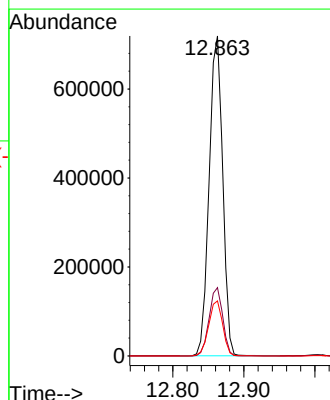
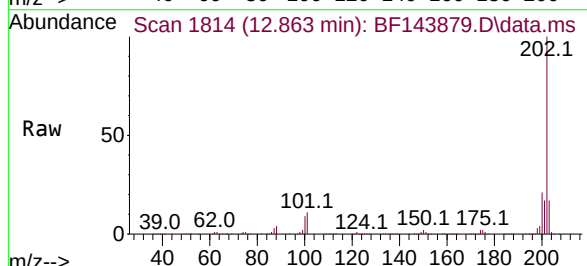
RT: 12.863 min Scan# 1814

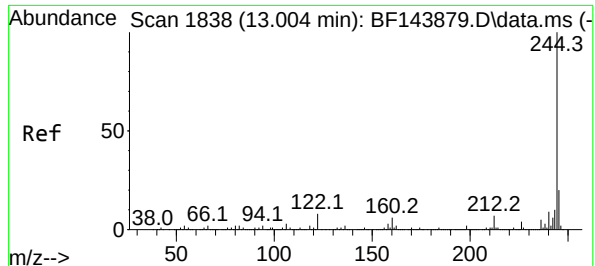
Delta R.T. 0.000 min

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# 1838

Delta R.T. -0.006 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 1302632

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

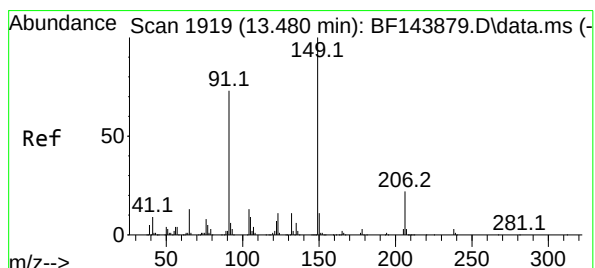
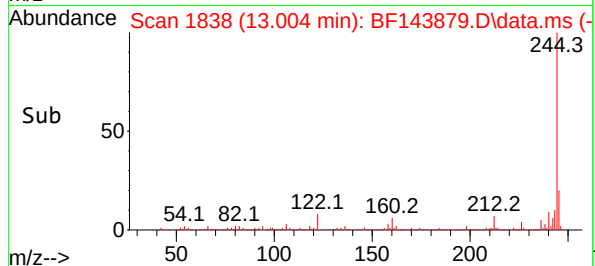
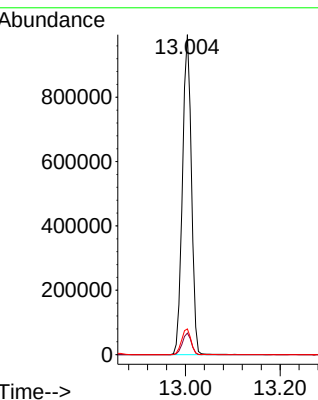
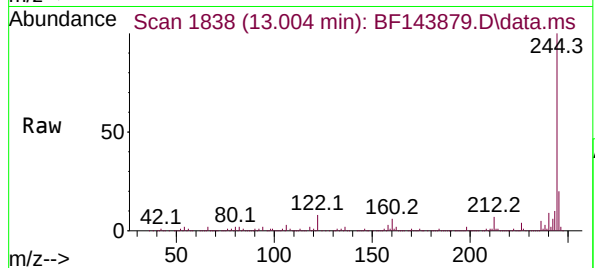
122 8.0 6.4 9.6

Manual Integrations

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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

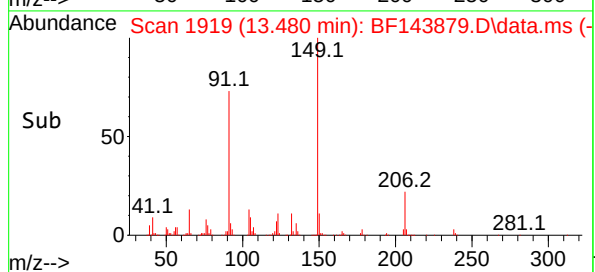
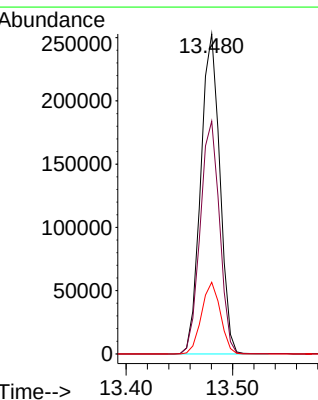
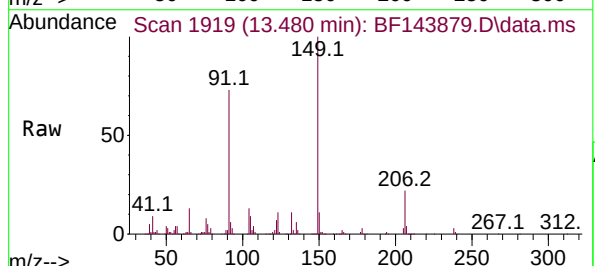
Tgt Ion:149 Resp: 315716

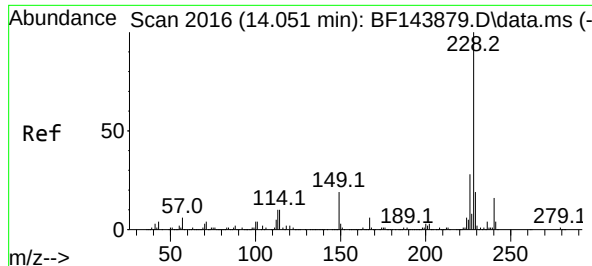
Ion Ratio Lower Upper

149 100

91 72.7 58.2 87.2

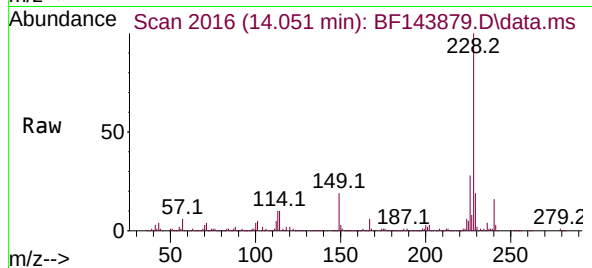
206 22.4 17.9 26.9





#81
Benzo(a)anthracene
Concen: 42.715 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

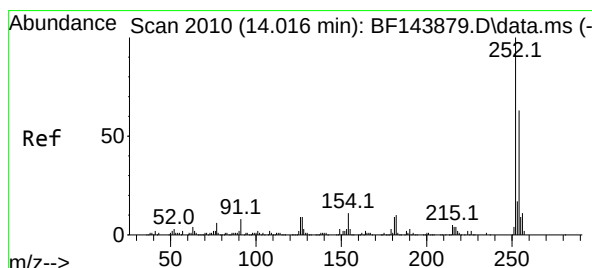
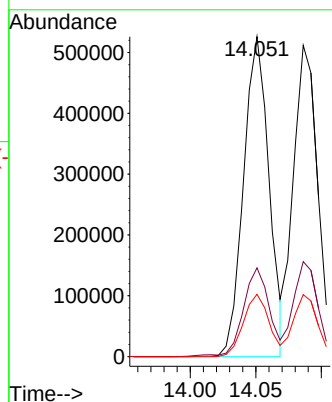
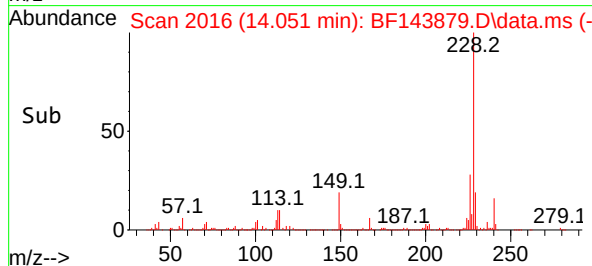
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



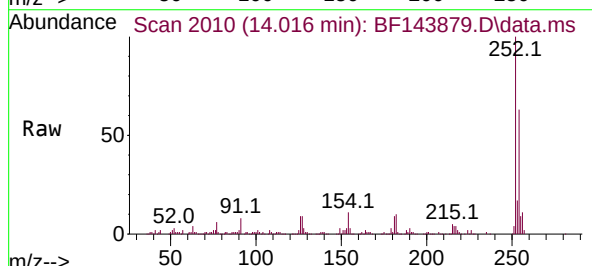
Tgt Ion:228 Resp: 711609
Ion Ratio Lower Upper
228 100
226 27.7 22.2 33.2
229 19.5 15.6 23.4

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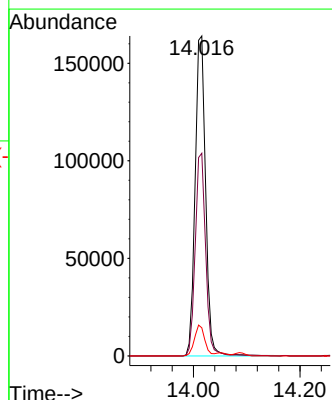
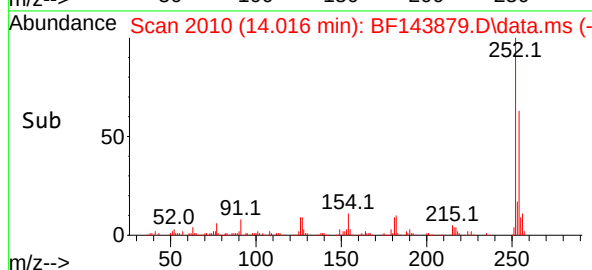
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

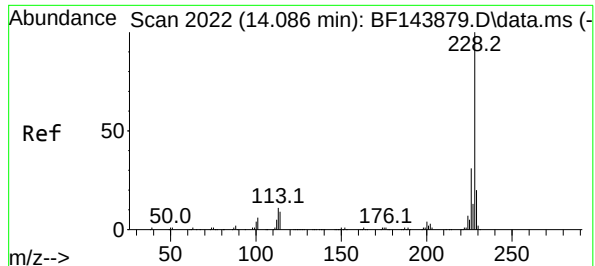


#82
3,3'-Dichlorobenzidine
Concen: 44.135 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



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

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 658639

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

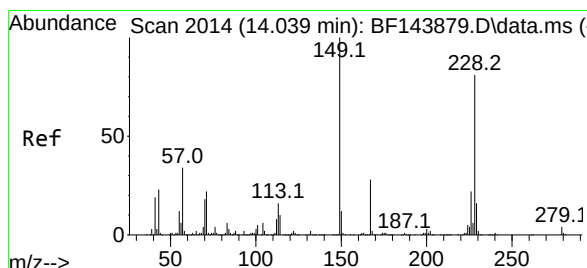
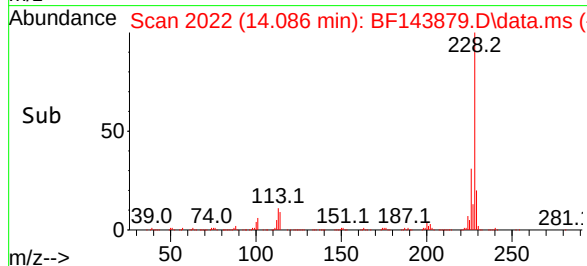
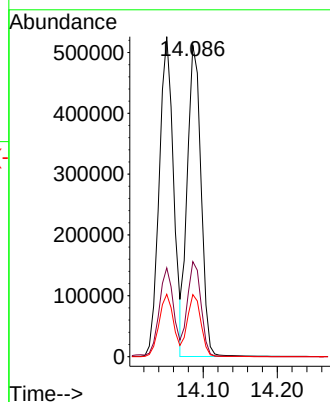
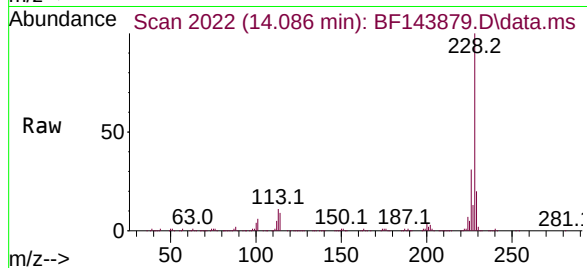
229 19.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

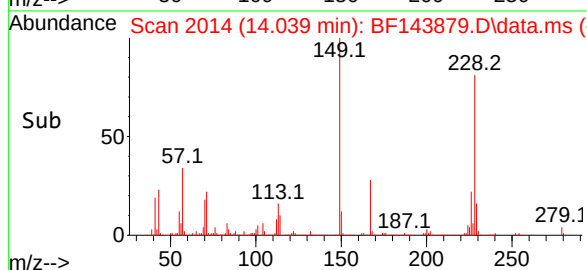
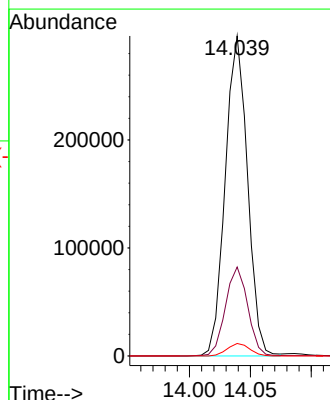
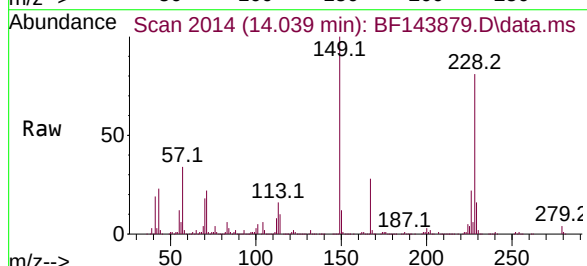
Tgt Ion:149 Resp: 376273

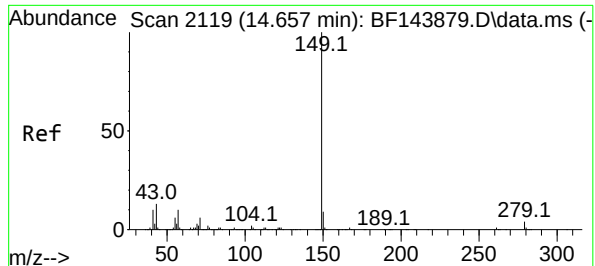
Ion Ratio Lower Upper

149 100

167 27.8 22.2 33.4

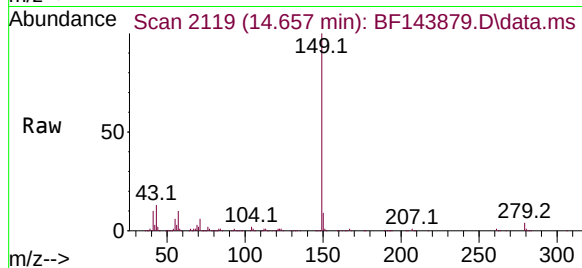
279 3.9 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 44.561 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

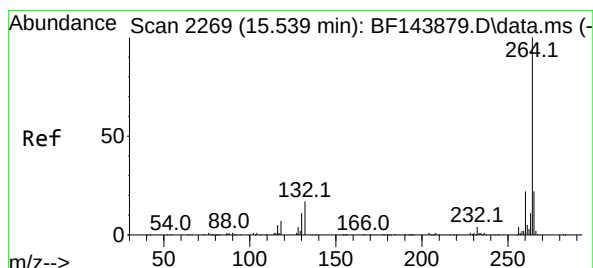
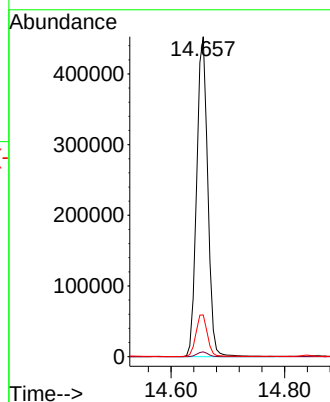
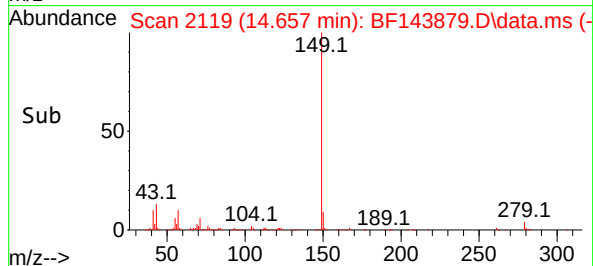
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



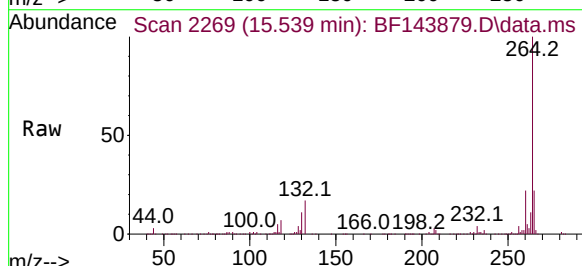
Tgt Ion:149 Resp: 608123
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 13.7 11.0 16.4

Manual Integrations
APPROVED

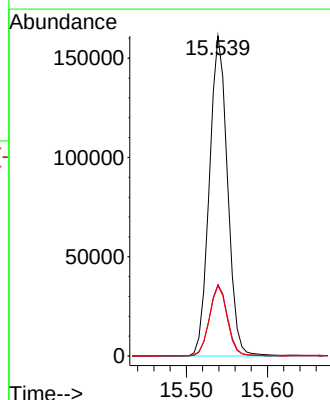
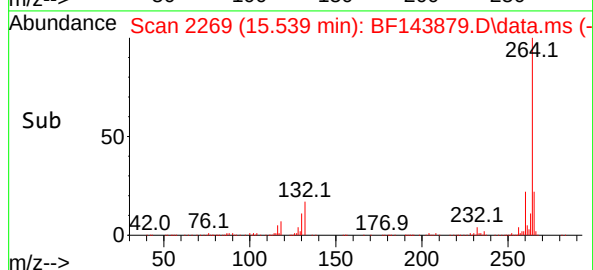
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

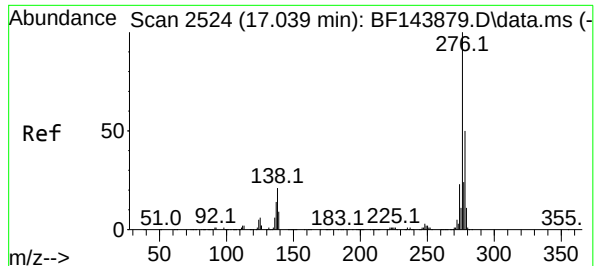


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54



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# 21

Delta R.T. -0.017 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 699234

Ion Ratio Lower Upper

276 100

138 22.7 18.2 27.2

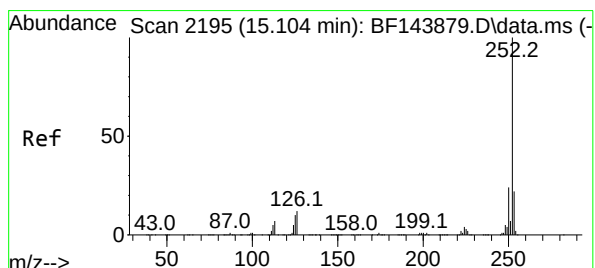
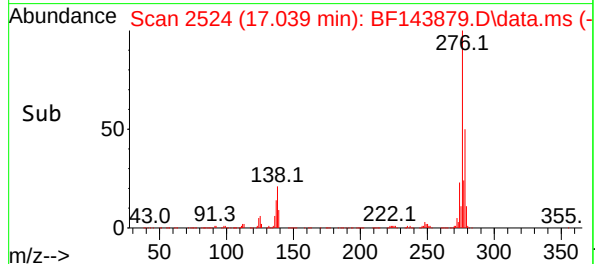
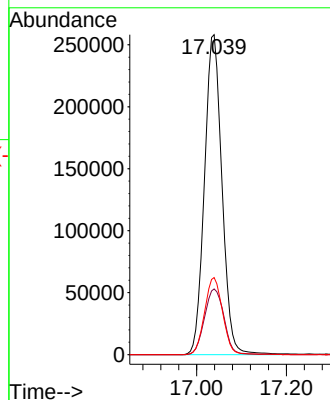
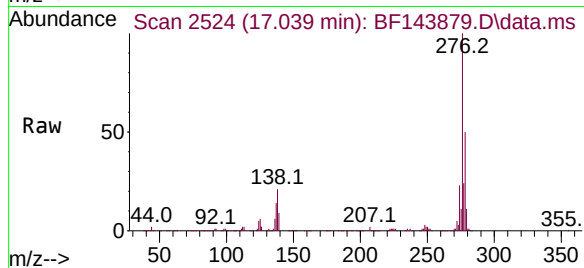
277 24.7 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

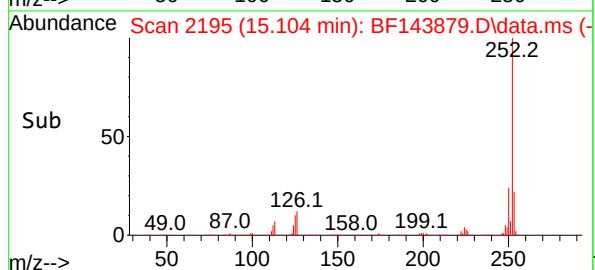
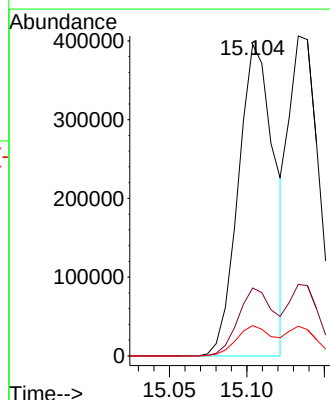
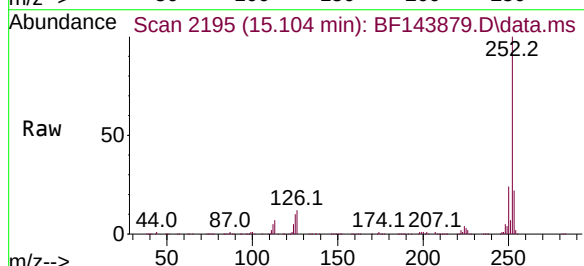
Tgt Ion:252 Resp: 636888

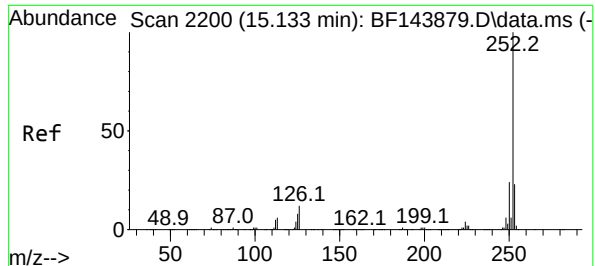
Ion Ratio Lower Upper

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# 2200

Delta R.T. -0.012 min

Lab File: BF143879.D

Acq: 06 Oct 2025 12:54

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 55611

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

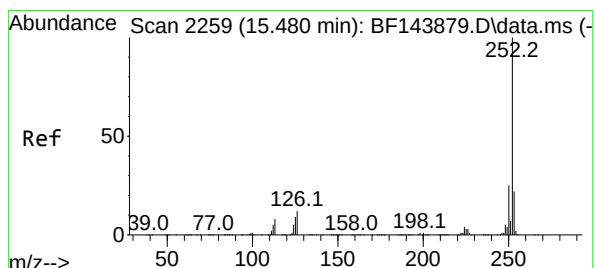
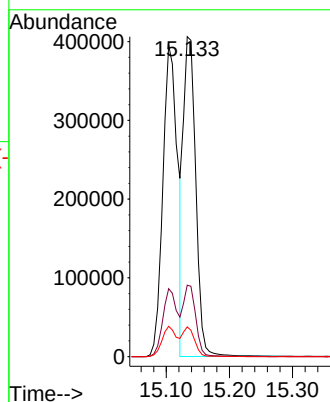
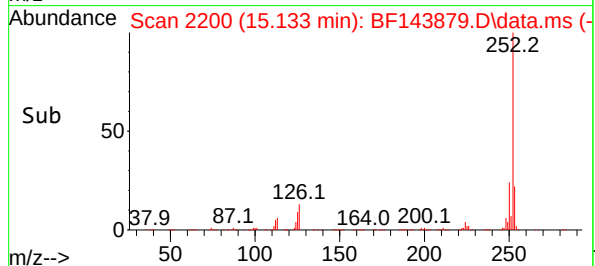
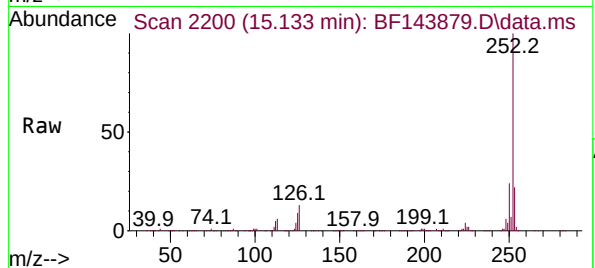
125 9.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

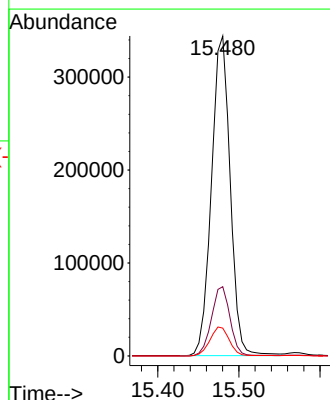
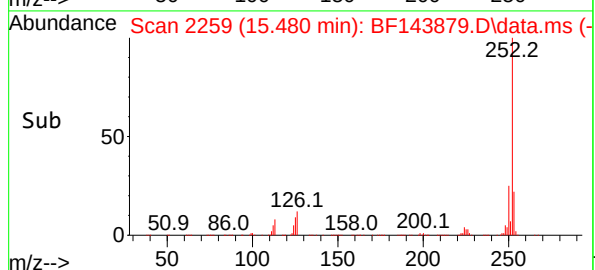
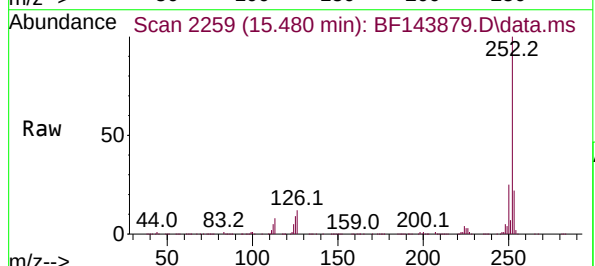
Tgt Ion:252 Resp: 553098

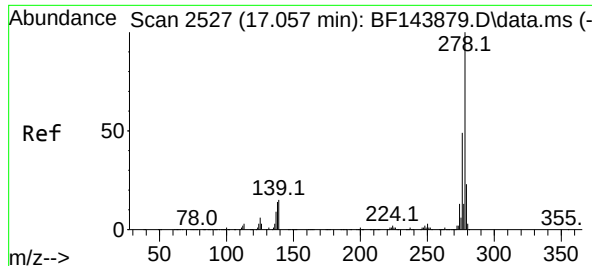
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

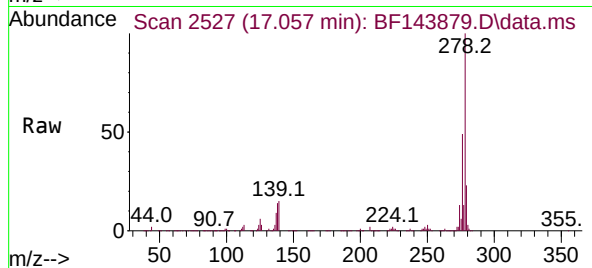
125 8.7 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 45.774 ng
RT: 17.057 min Scan# 2527
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

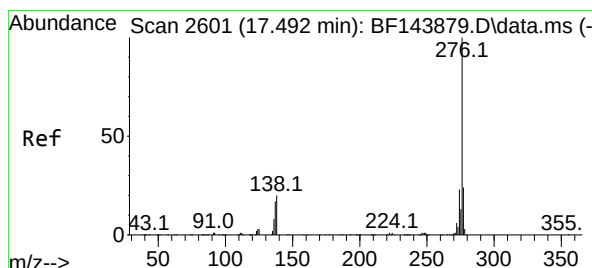
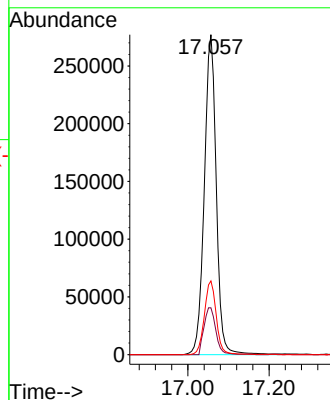
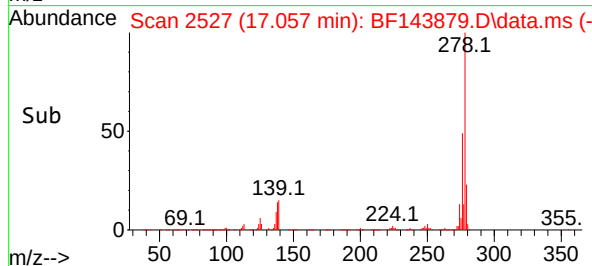
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 566134
Ion Ratio Lower Upper
278 100
139 14.6 11.7 17.5
279 23.0 18.4 27.6

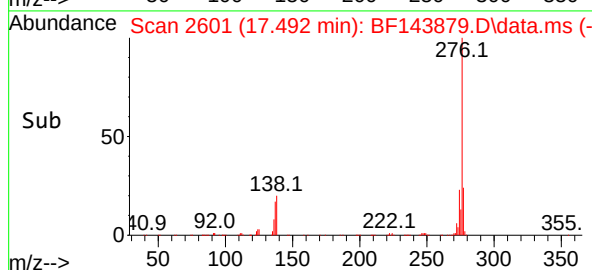
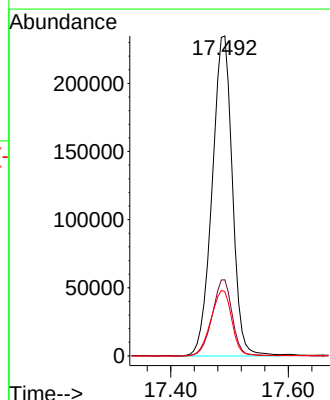
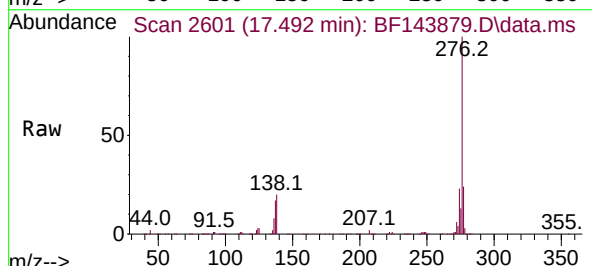
Manual Integrations
APPROVED

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



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)
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

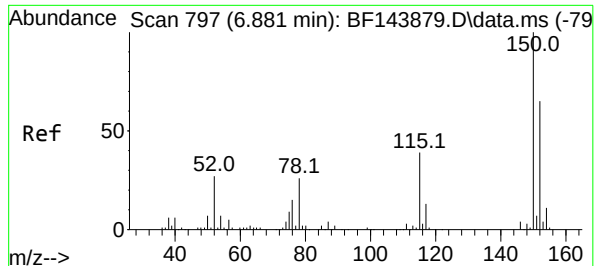
Quant Time: Oct 06 15:38:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

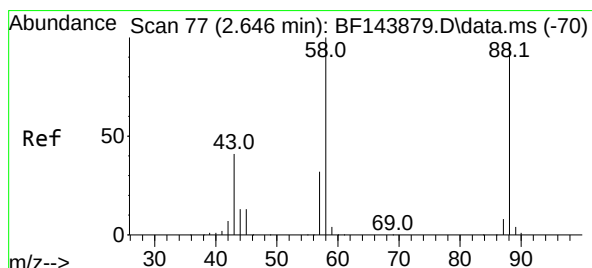
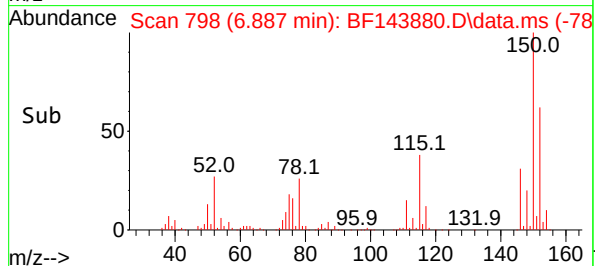
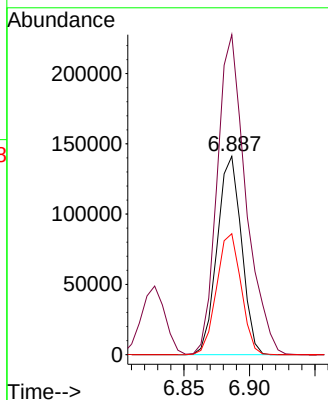
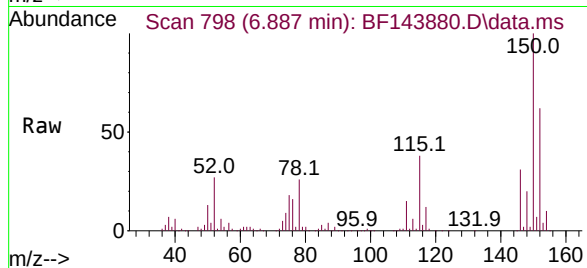
- 1
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- 16
- 17
- 18



#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

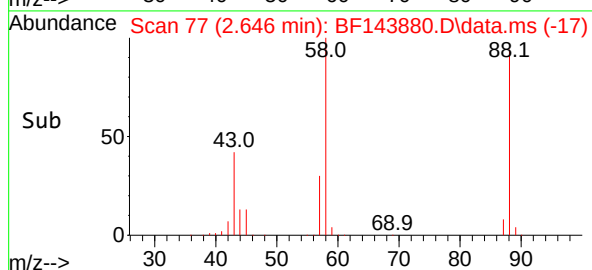
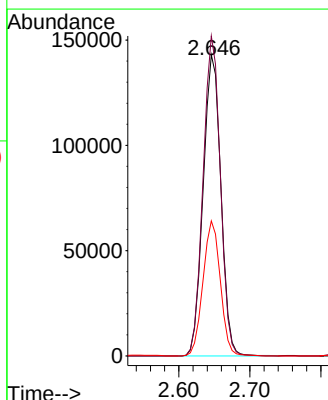
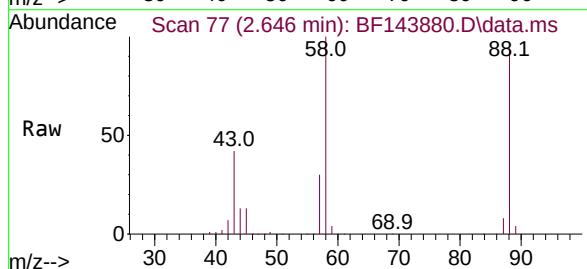
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

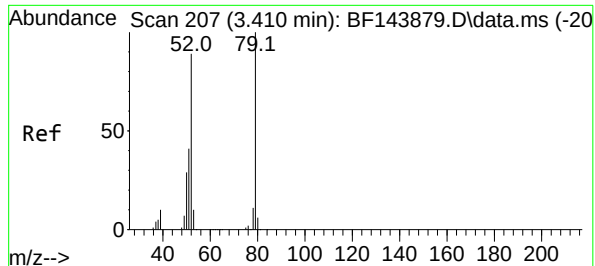
Tgt Ion:152 Resp: 182011
Ion Ratio Lower Upper
152 100
150 161.3 124.4 186.6
115 60.9 48.1 72.1



#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 :

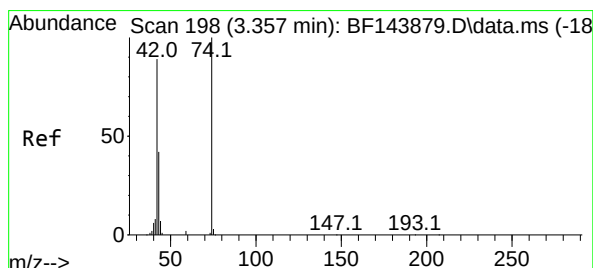
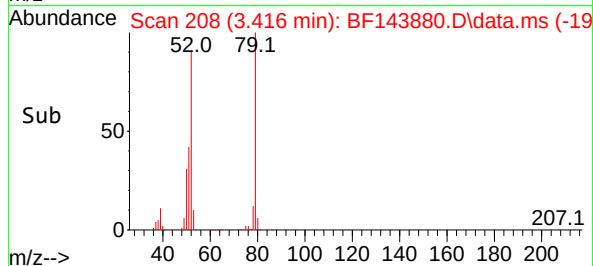
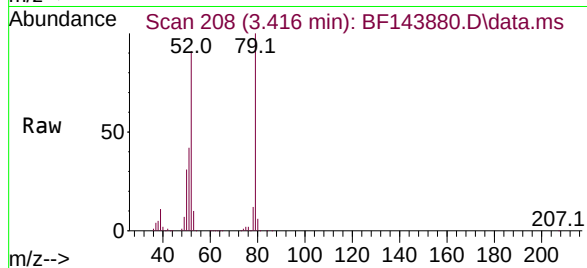
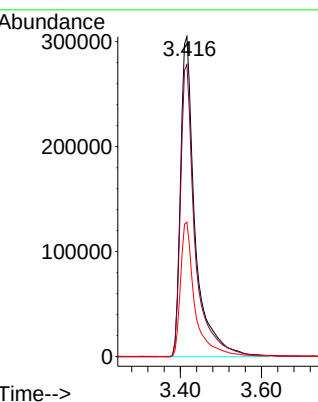
BNA_F

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

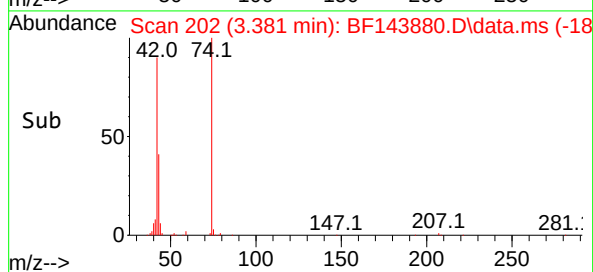
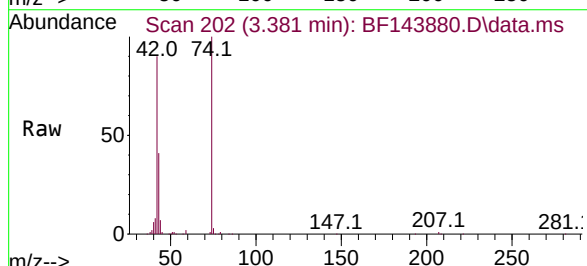
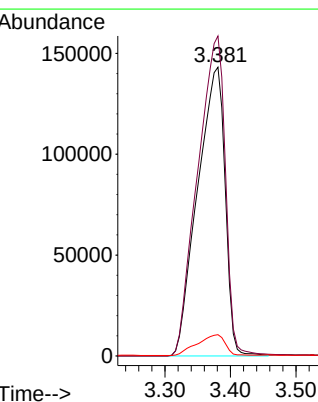
Delta R.T. -0.006 min

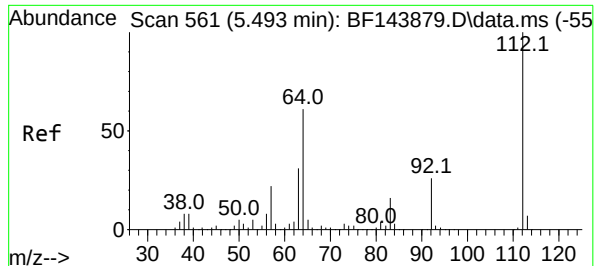
Lab File: BF143880.D

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

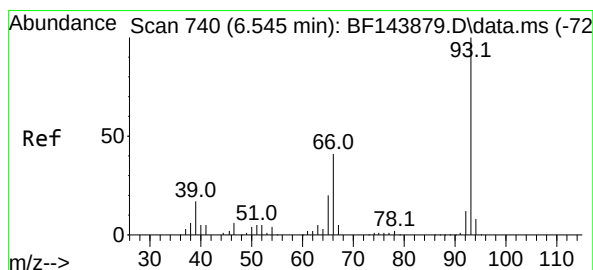
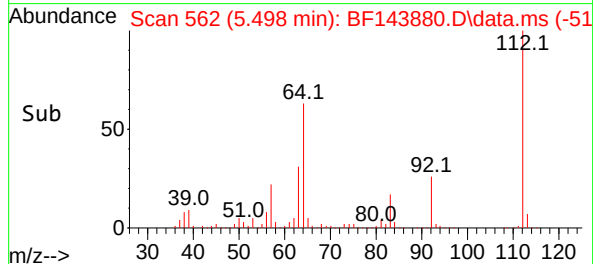
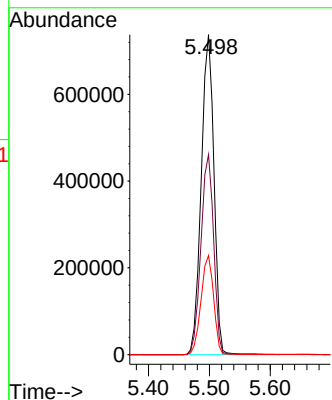
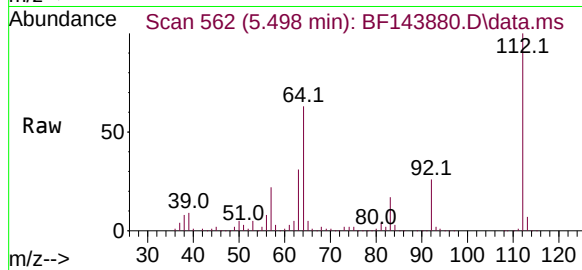




#5
2-Fluorophenol
Concen: 93.138 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

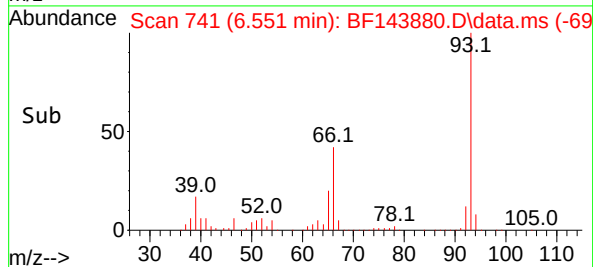
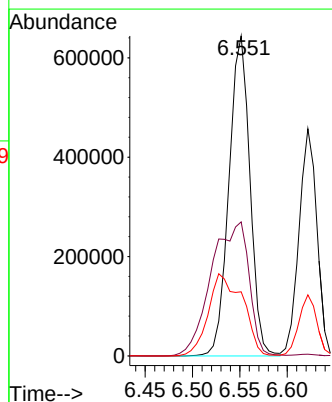
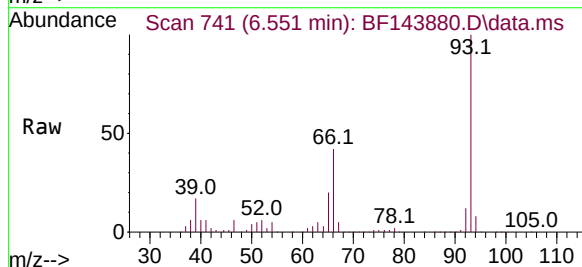
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

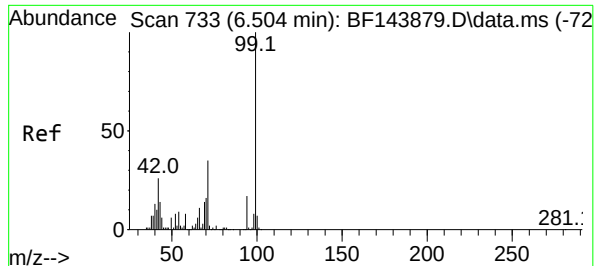
Tgt Ion:112 Resp: 1067519
Ion Ratio Lower Upper
112 100
64 62.5 49.1 73.7
63 31.0 24.5 36.7



#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

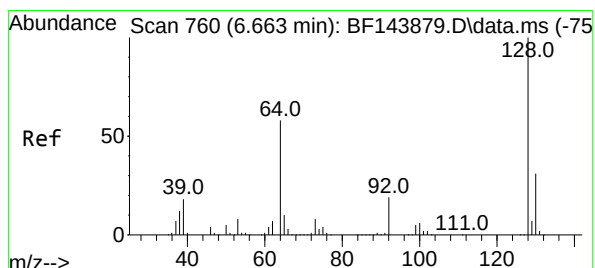
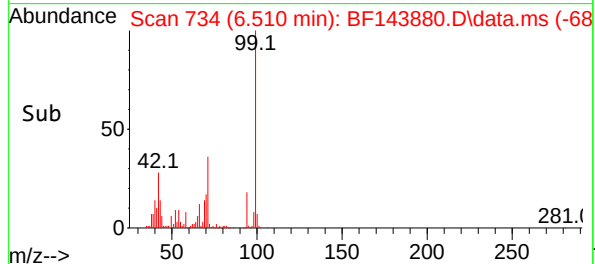
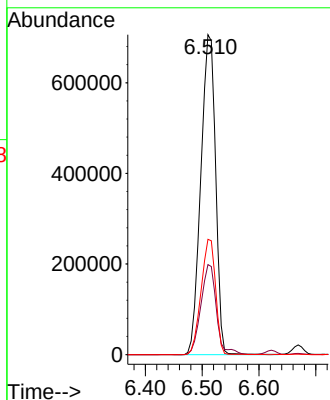
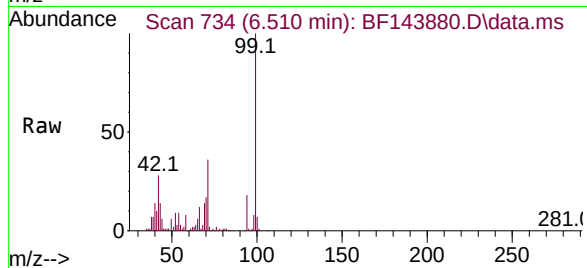




#7
Phenol-d6
Concen: 93.519 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

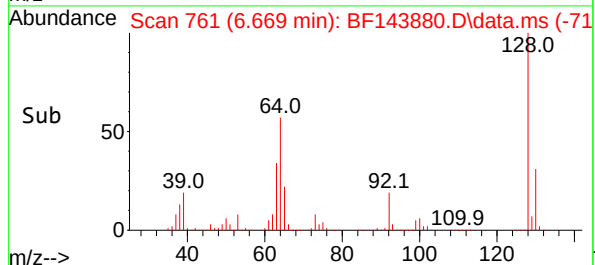
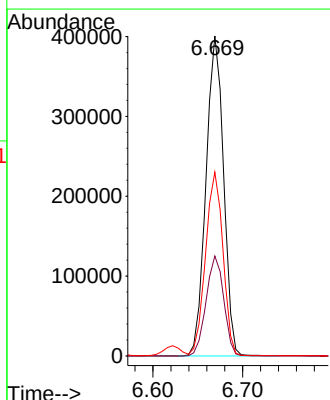
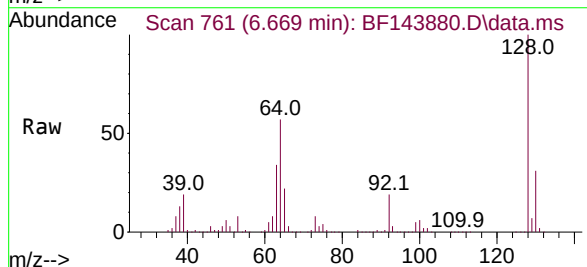
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

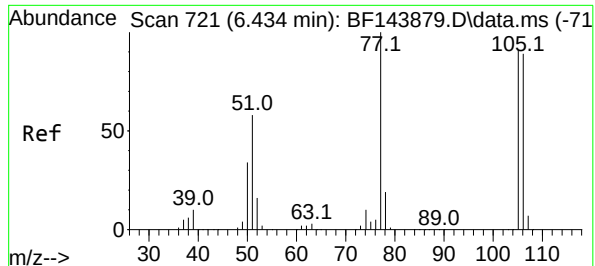
Tgt Ion: 99 Resp: 1277645
Ion Ratio Lower Upper
99 100
42 28.1 21.0 31.4
71 36.0 27.8 41.8



#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# 71

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

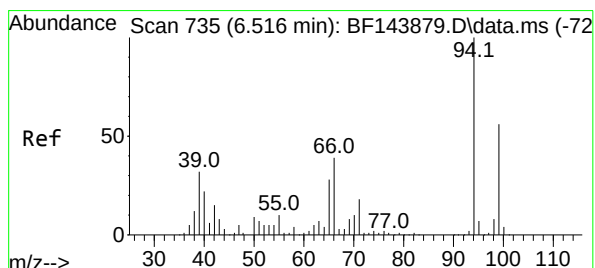
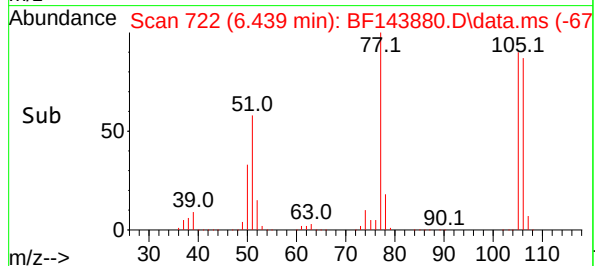
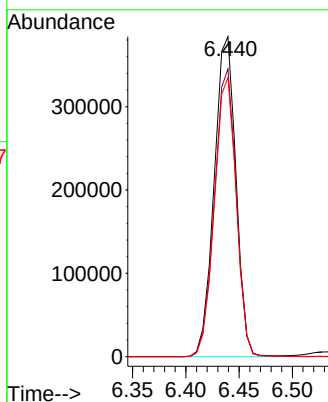
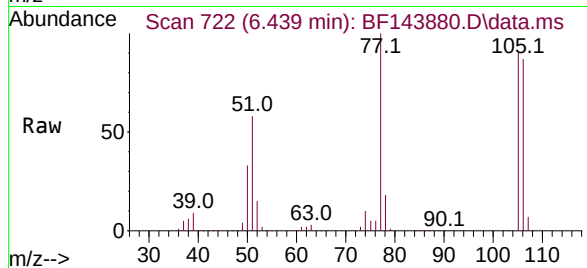
Tgt Ion: 77 Resp: 545259

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

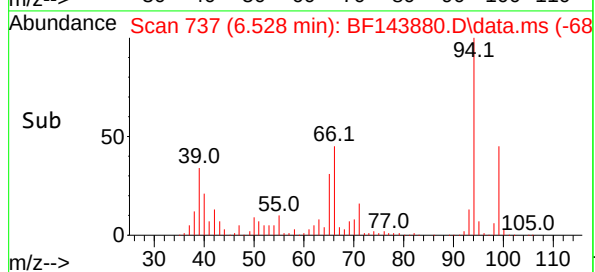
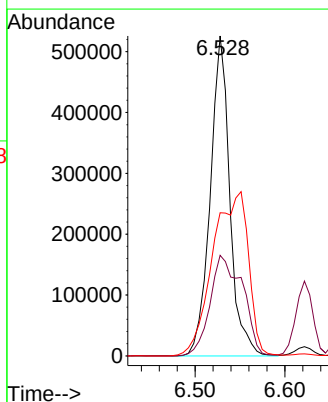
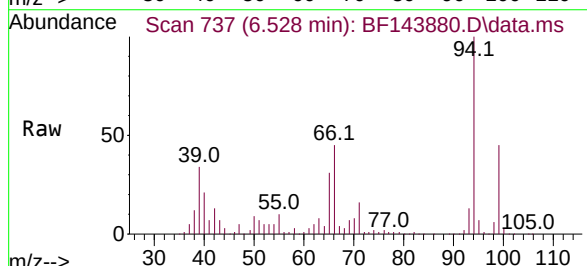
Tgt Ion: 94 Resp: 799210

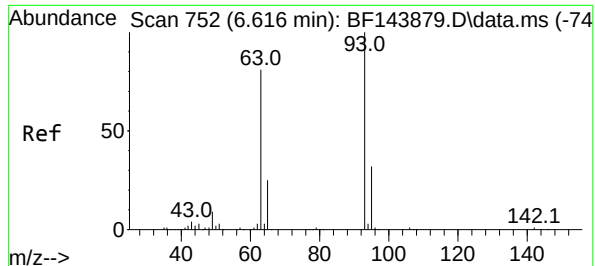
Ion Ratio Lower Upper

94 100

65 31.4 8.5 48.5

66 44.7 19.9 59.9

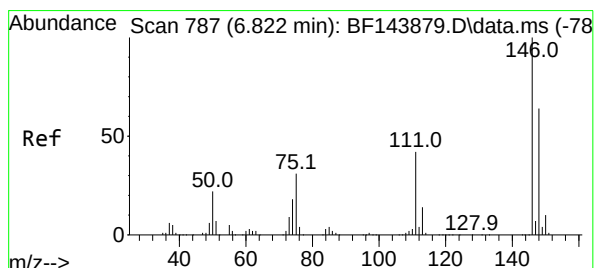
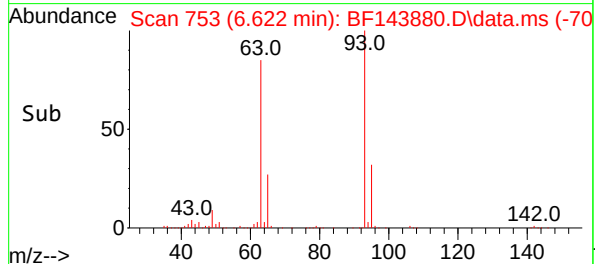
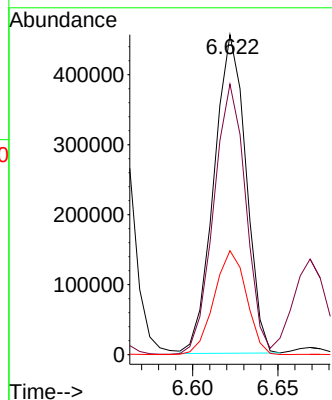
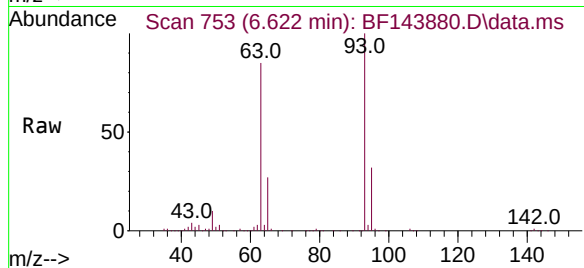




#11
bis(2-Chloroethyl)ether
Concen: 47.169 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

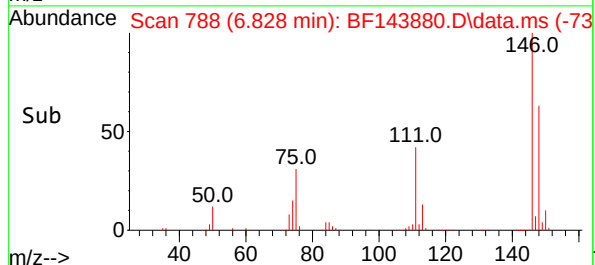
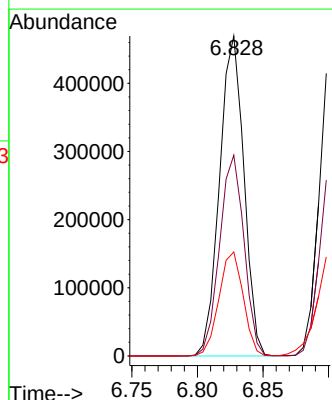
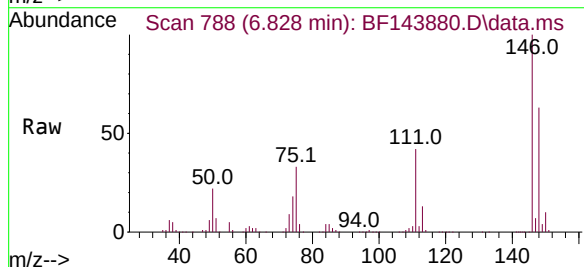
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

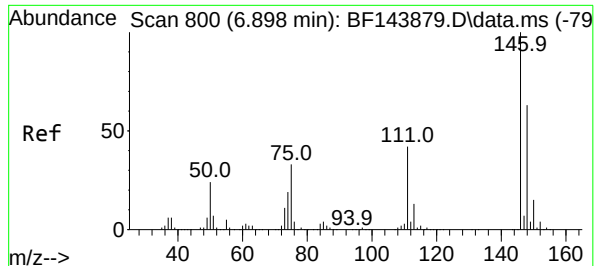
Tgt Ion: 93 Resp: 595127
Ion Ratio Lower Upper
93 100
63 84.5 60.9 100.9
95 32.5 11.5 51.5



#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 :

SSTDIC050

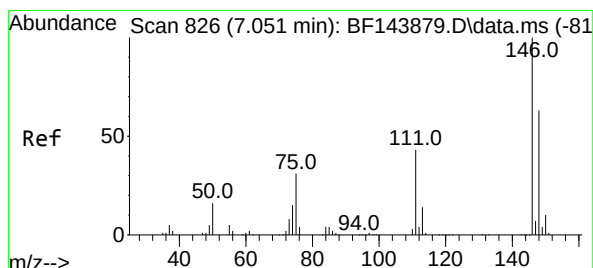
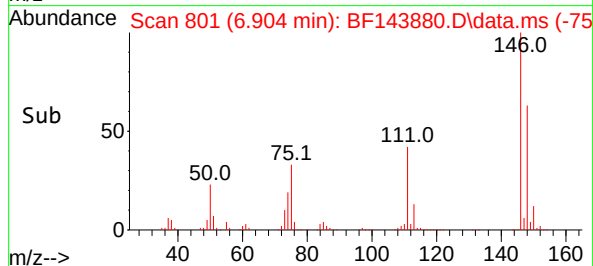
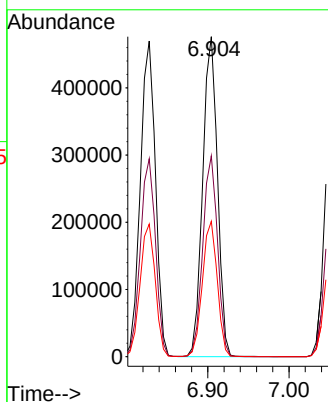
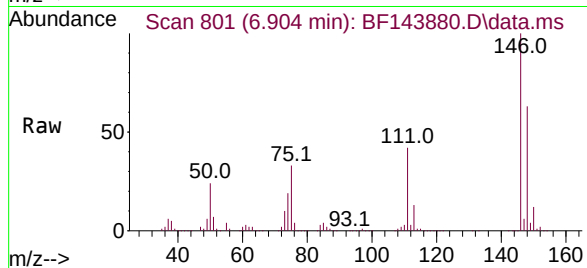
Tgt Ion:146 Resp: 603407

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

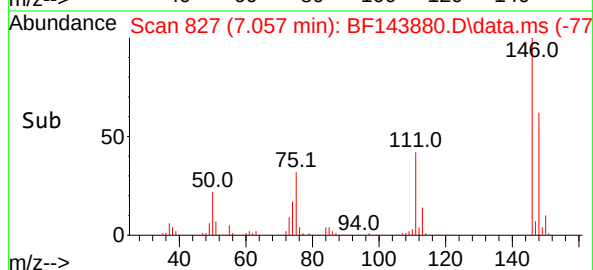
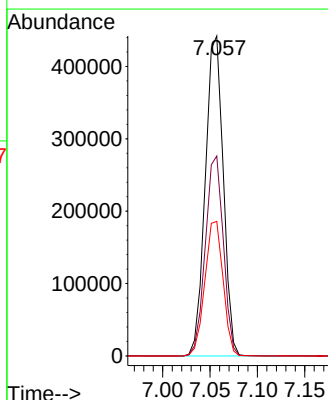
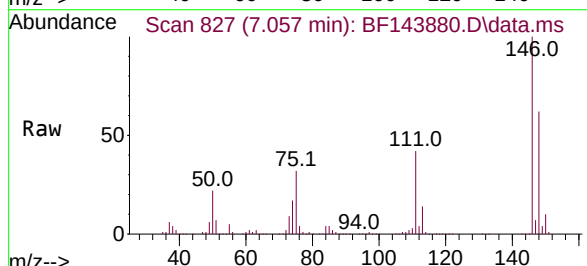
Tgt Ion:146 Resp: 583790

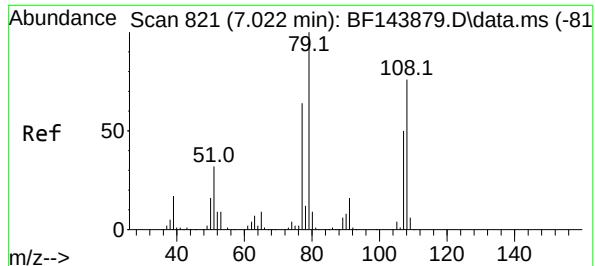
Ion Ratio Lower Upper

146 100

148 62.5 50.6 75.8

111 42.0 34.6 51.8

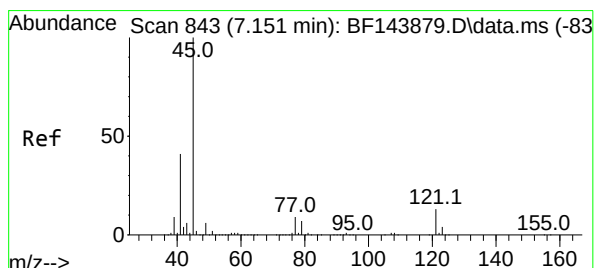
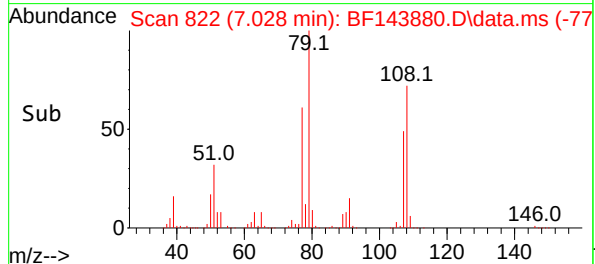
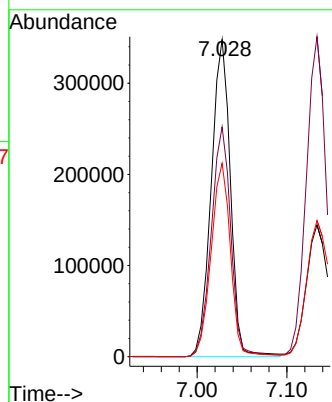
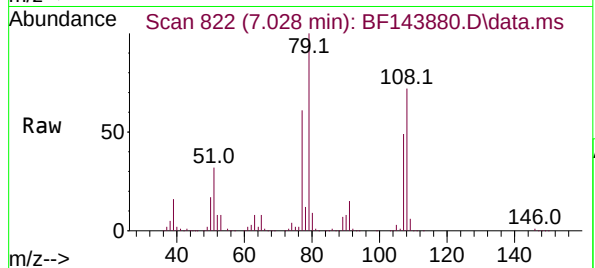




#15
Benzyl Alcohol
Concen: 50.402 ng
RT: 7.028 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

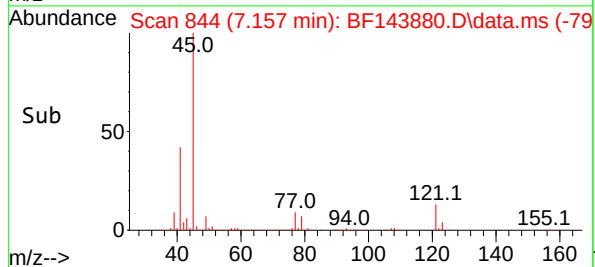
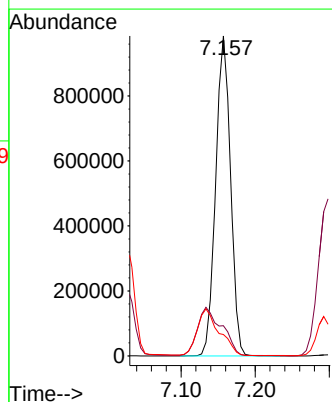
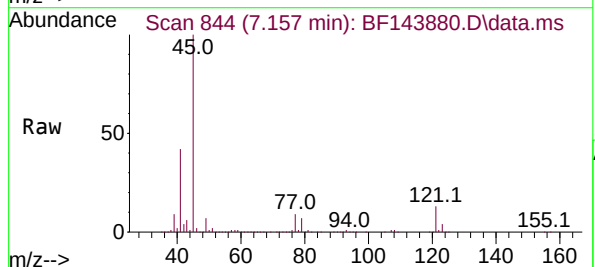
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

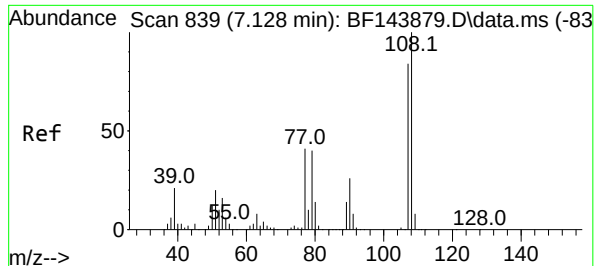
Tgt Ion: 79 Resp: 515929
Ion Ratio Lower Upper
79 100
108 72.4 60.8 91.2
77 61.0 51.0 76.6



#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

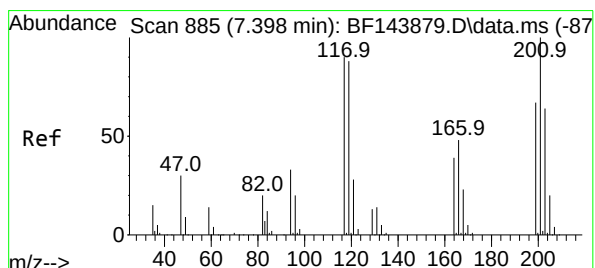
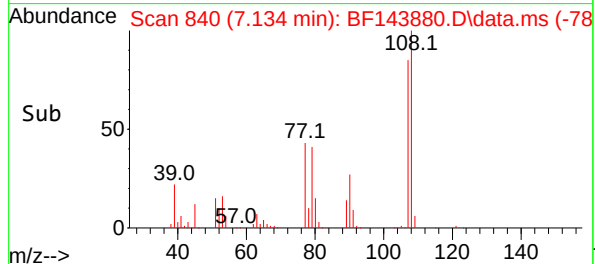
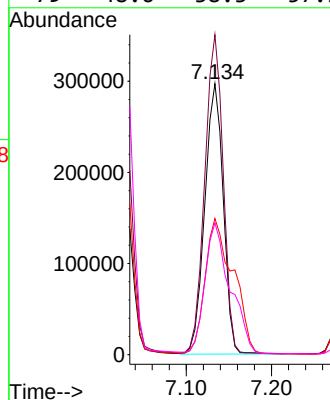
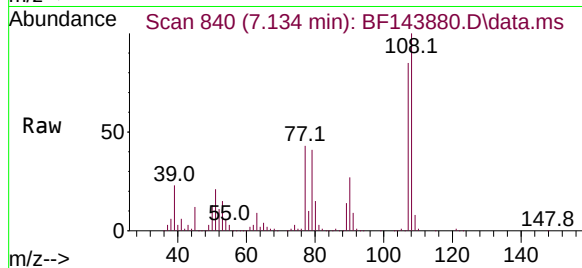




#17
2-Methylphenol
Concen: 48.397 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

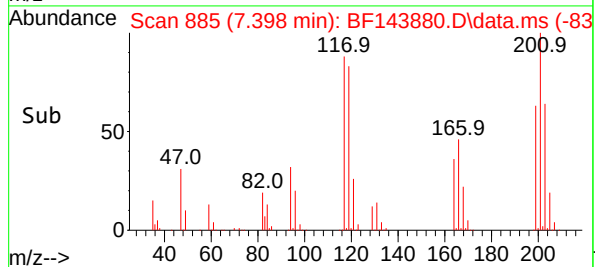
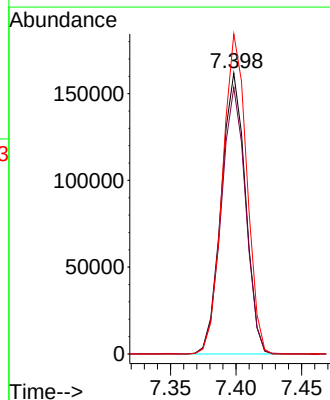
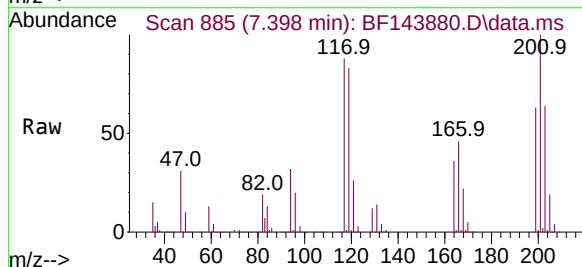
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

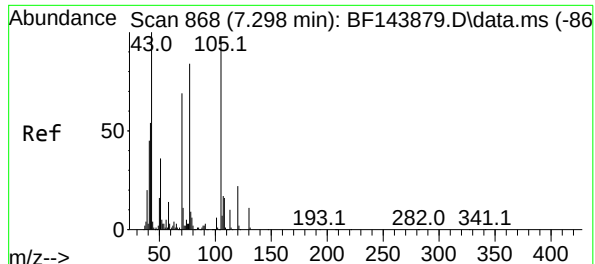
Tgt Ion:	107	Resp:	448120
Ion	Ratio	Lower	Upper
107	100		
108	118.1	94.7	142.1
77	50.2	38.8	58.2
79	48.6	38.3	57.5



#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# 81

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

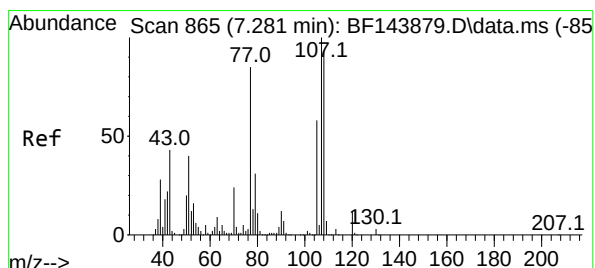
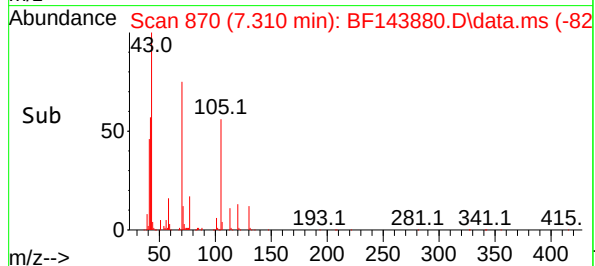
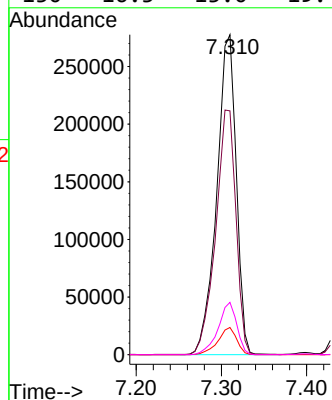
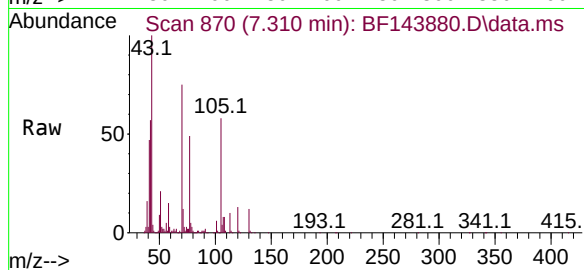
Ion Ratio Lower Upper

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

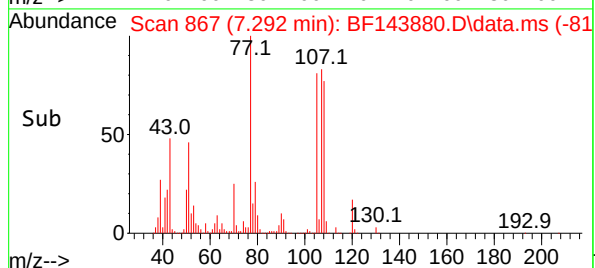
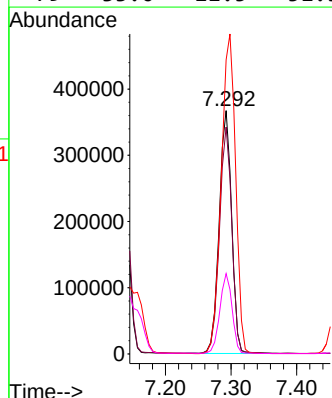
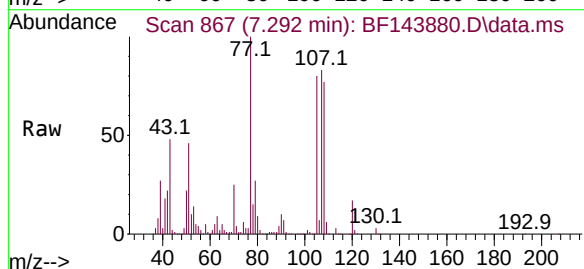
Ion Ratio Lower Upper

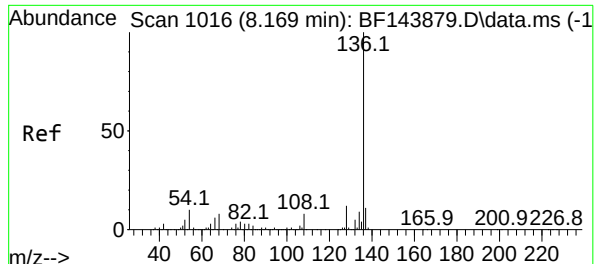
107 100

108 93.2 73.0 113.0

77 120.9 64.6 104.6#

79 33.0 11.5 51.5



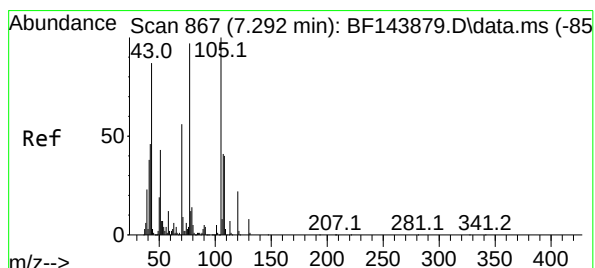
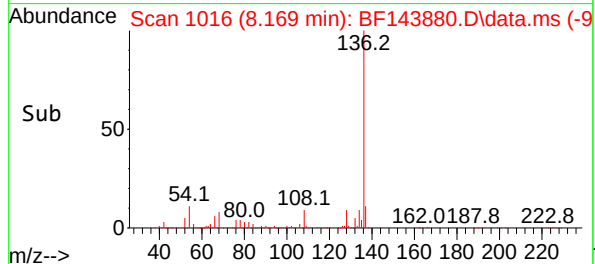
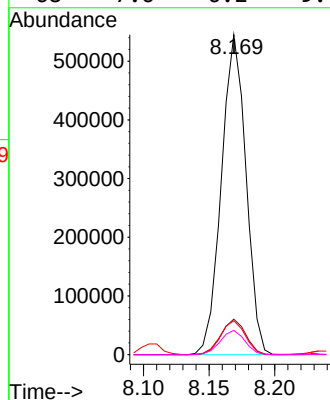
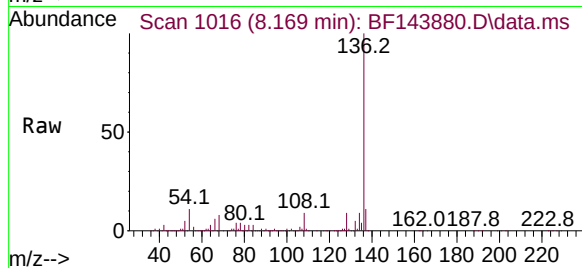


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 710843

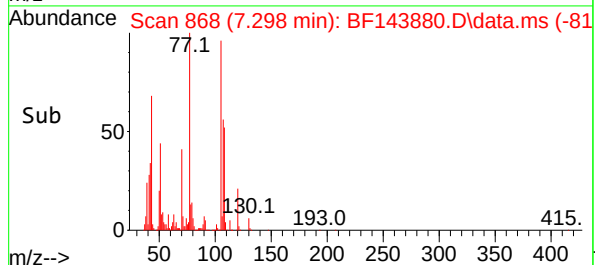
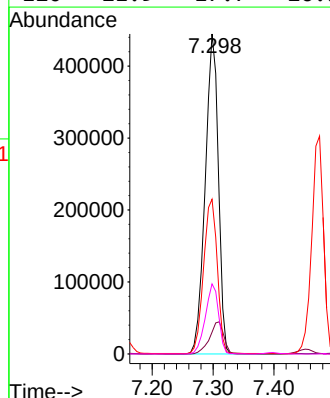
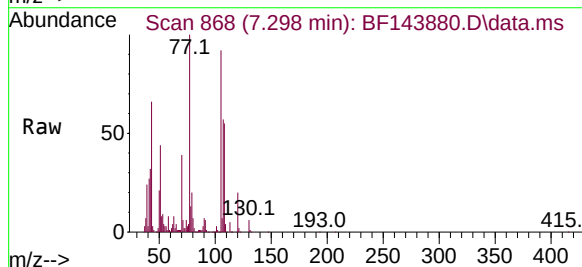
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.6	8.2	12.4
68	7.6	6.2	9.4

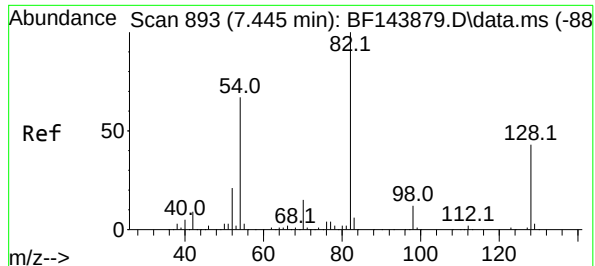


#22
Acetophenone
Concen: 44.262 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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# 894

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

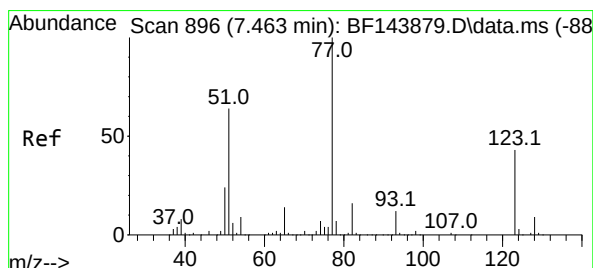
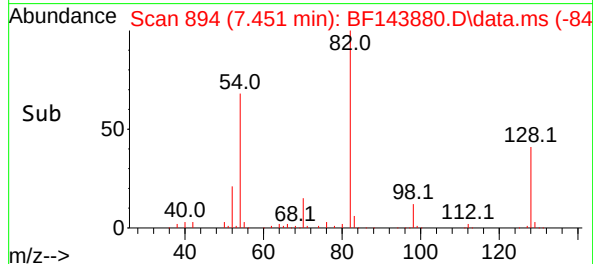
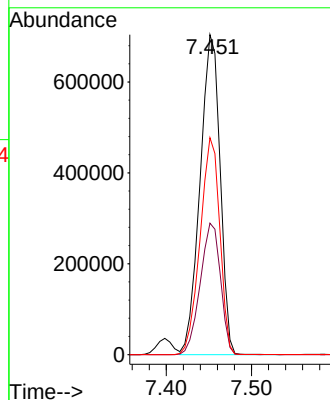
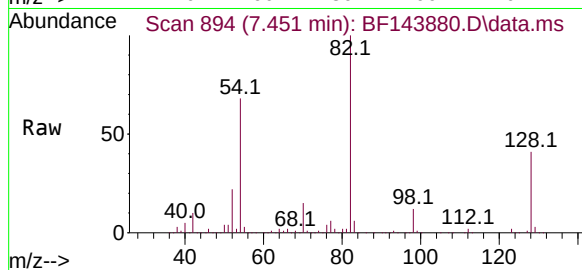
BNA_F

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

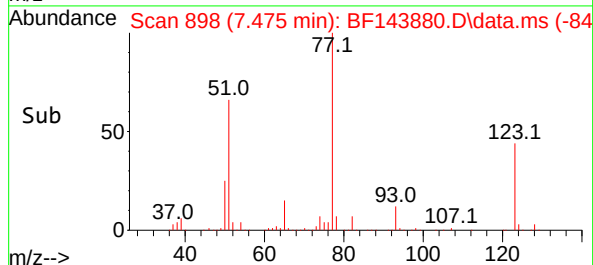
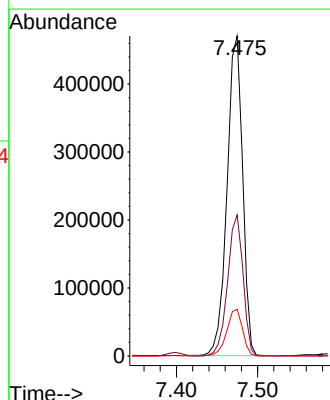
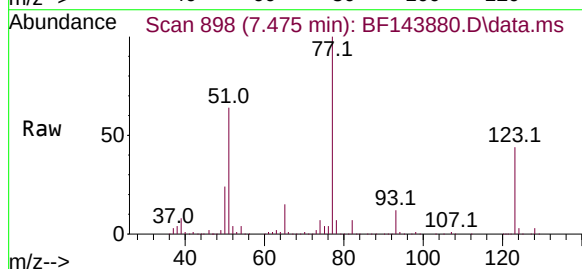
Delta R.T. 0.000 min

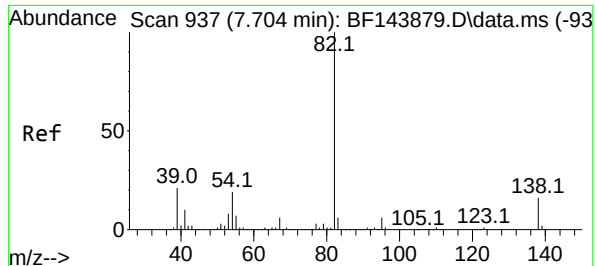
Lab File: BF143880.D

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# 91

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

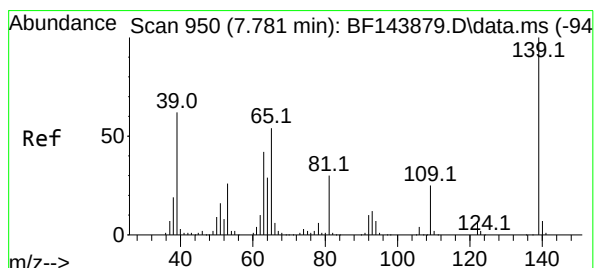
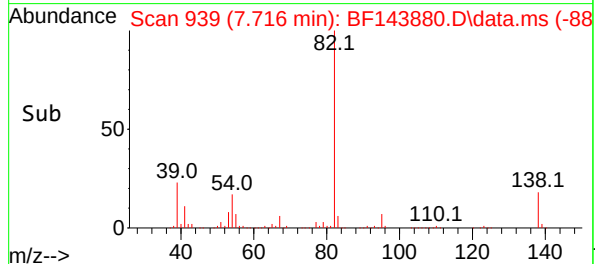
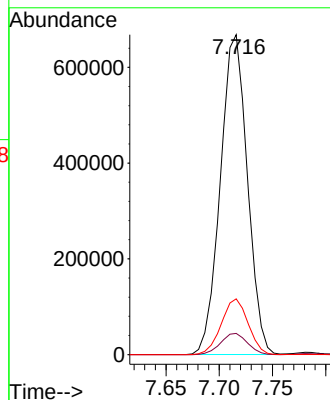
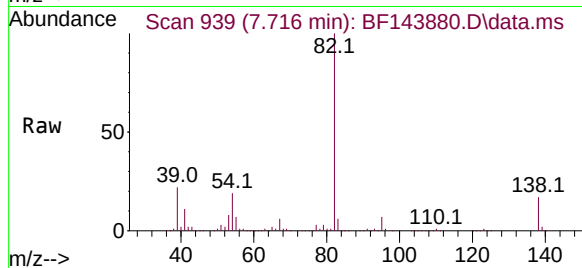
BNA_F

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

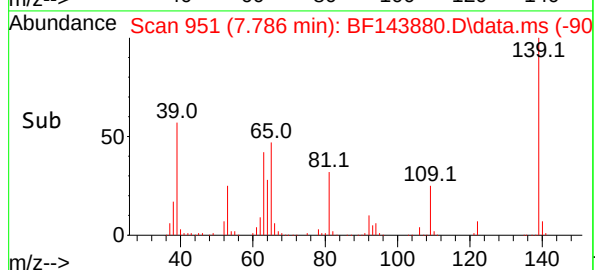
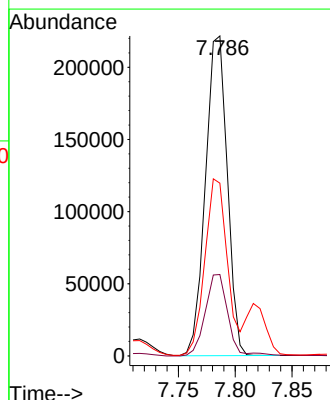
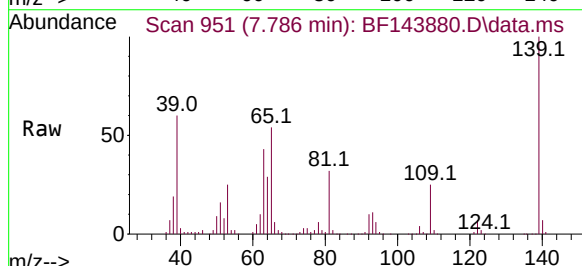
Delta R.T. 0.000 min

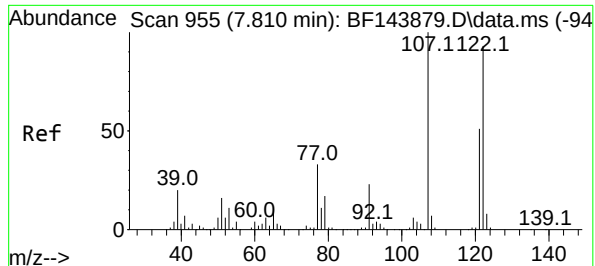
Lab File: BF143880.D

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# 91

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

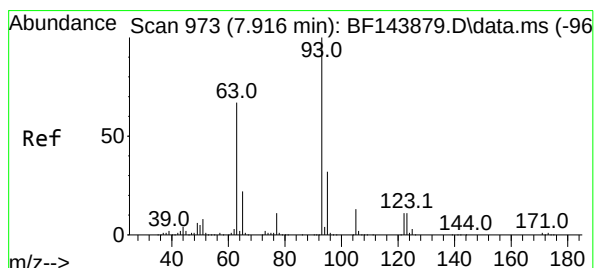
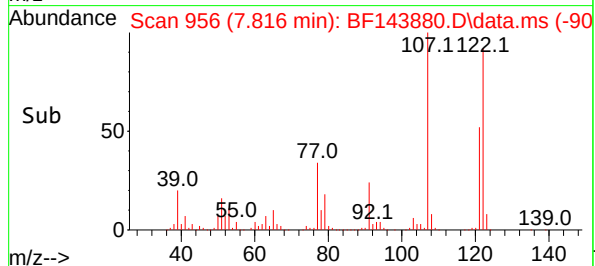
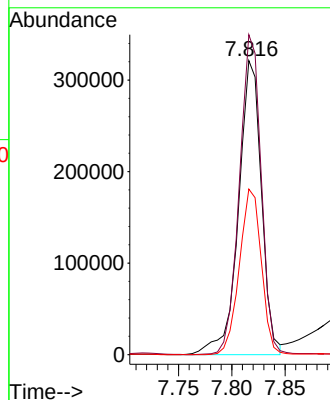
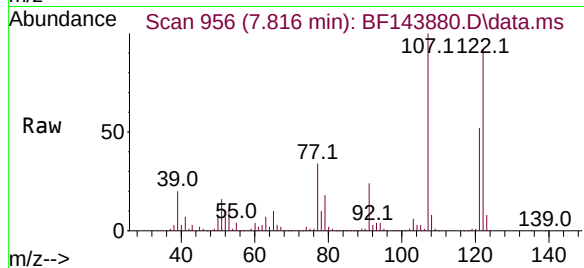
Tgt Ion:122 Resp: 480868

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

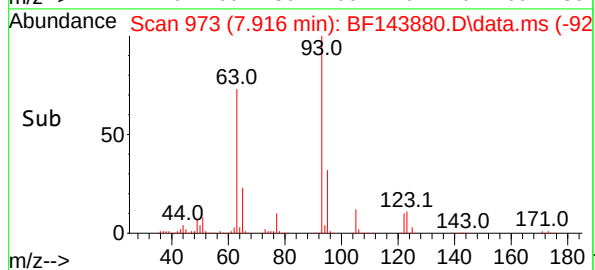
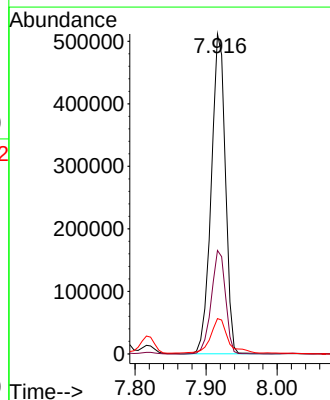
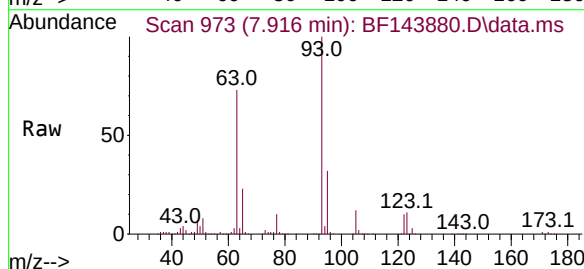
Tgt Ion: 93 Resp: 706471

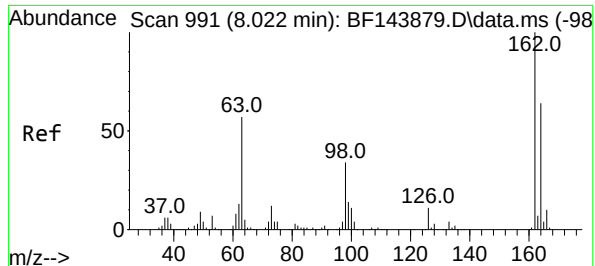
Ion Ratio Lower Upper

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# 991

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

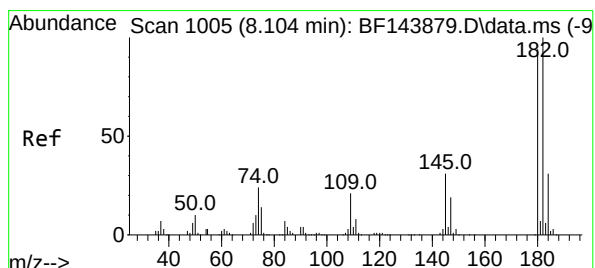
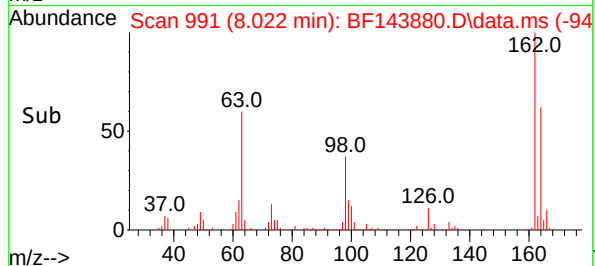
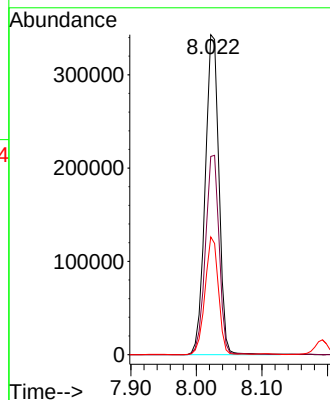
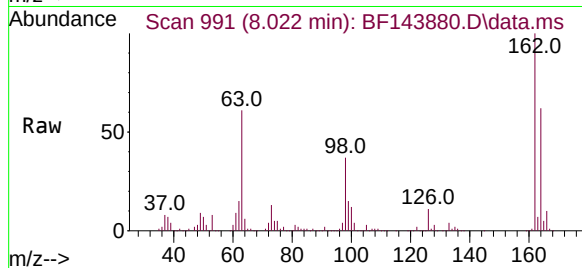
Tgt Ion:162 Resp: 497289

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

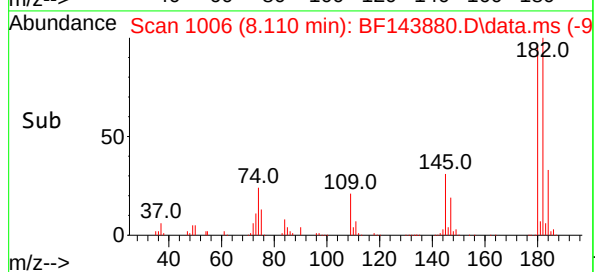
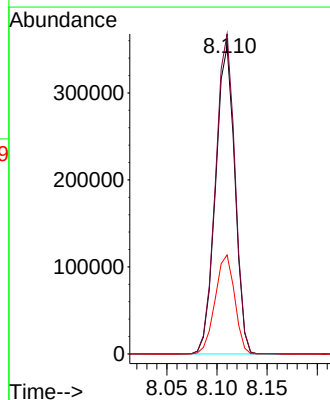
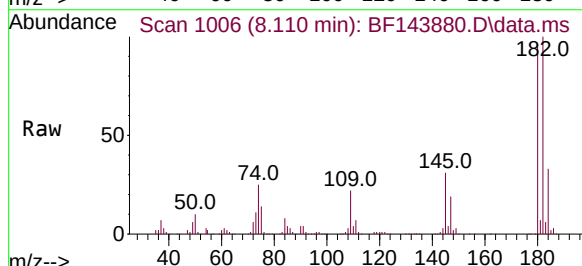
Tgt Ion:180 Resp: 473064

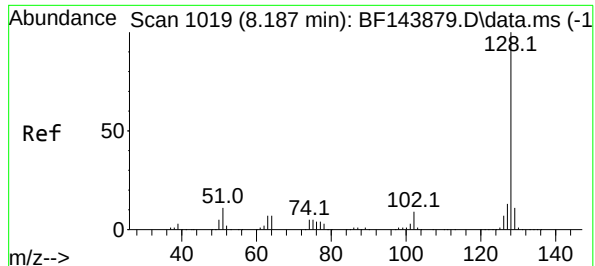
Ion Ratio Lower Upper

180 100

182 104.1 85.4 128.0

145 32.2 26.3 39.5

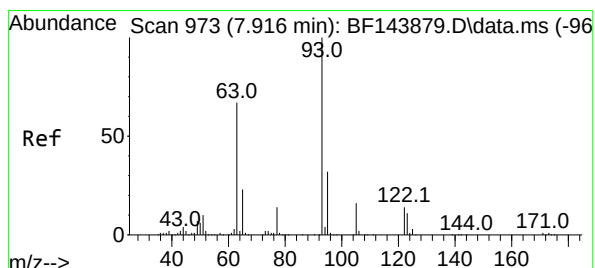
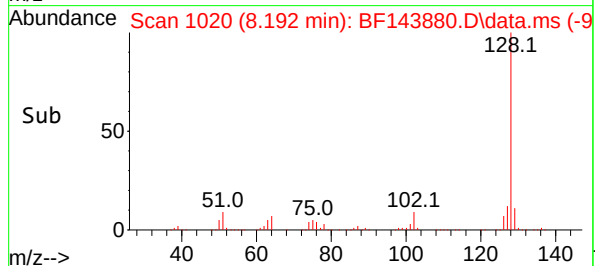
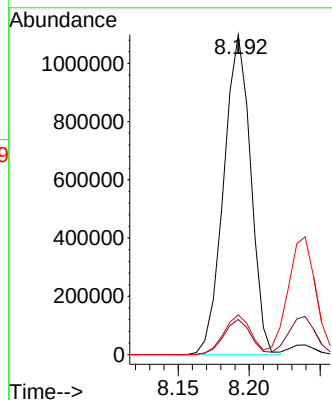
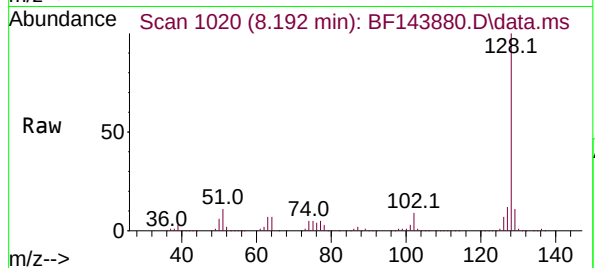




#31
Naphthalene
Concen: 44.890 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

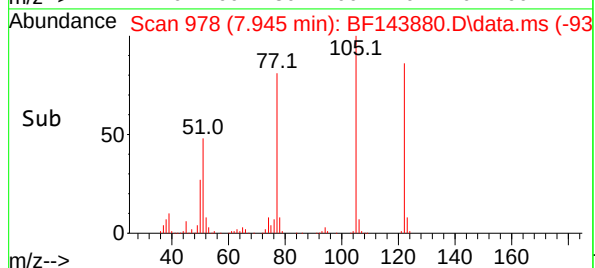
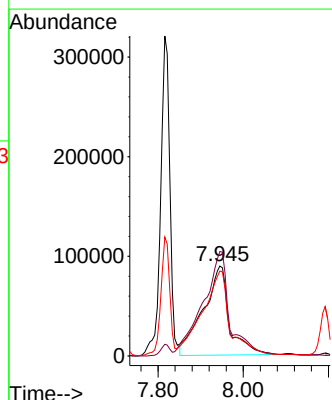
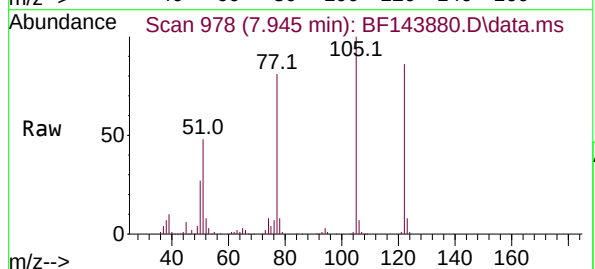
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

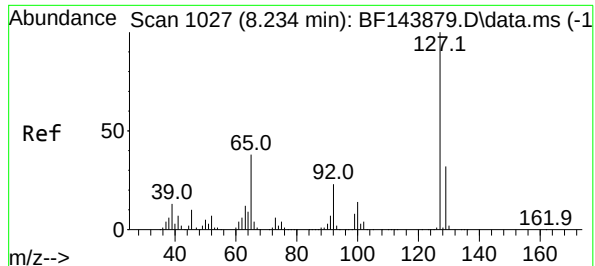
Tgt Ion:128 Resp: 1451547
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.4 10.0 15.0



#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# 1028

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion:127 Resp: 567726

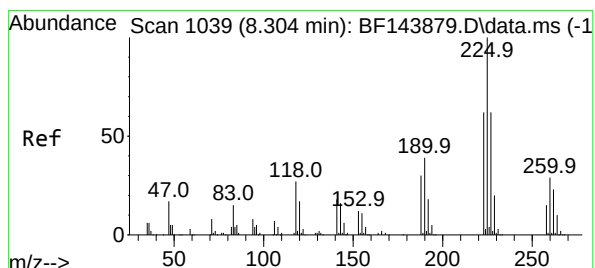
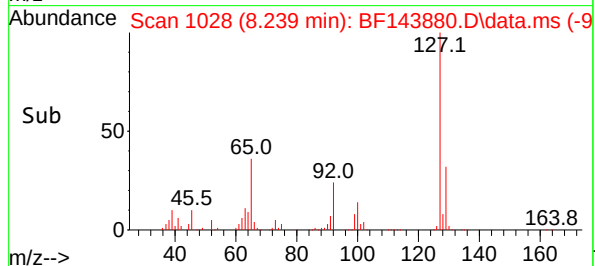
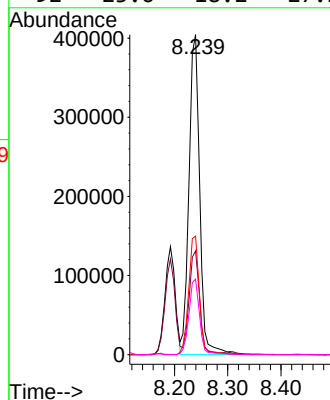
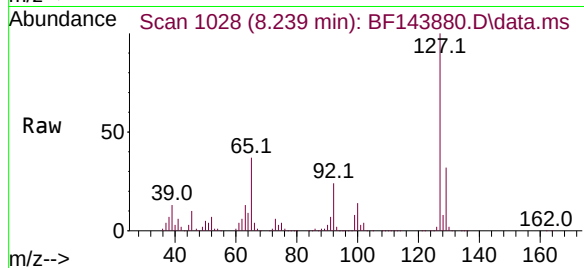
Ion Ratio Lower Upper

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

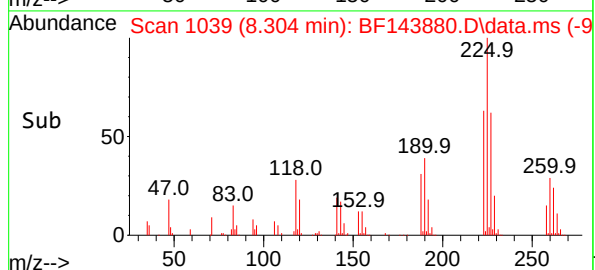
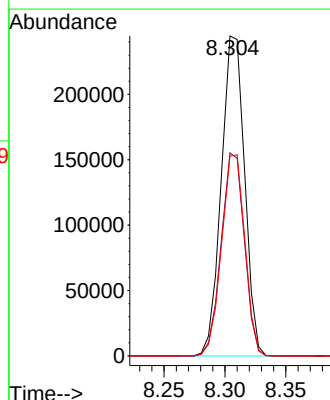
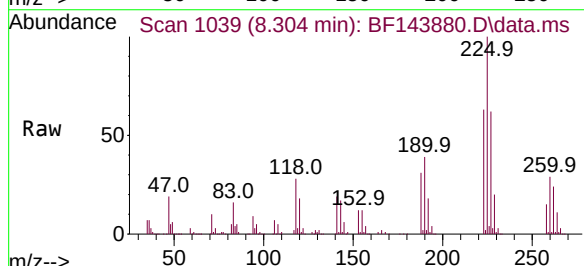
Tgt Ion:225 Resp: 325186

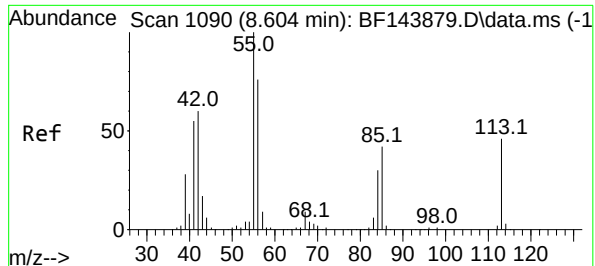
Ion Ratio Lower Upper

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# 1090

Delta R.T. -0.018 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

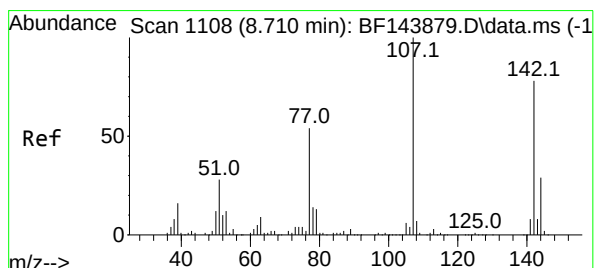
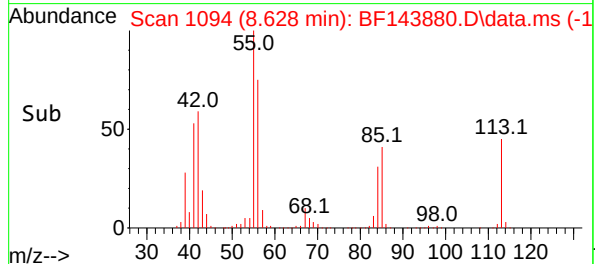
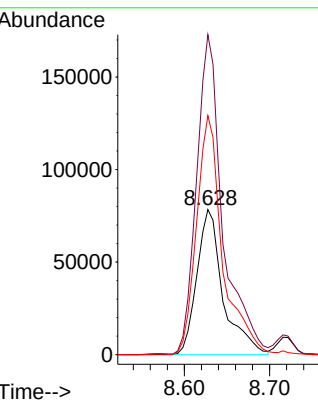
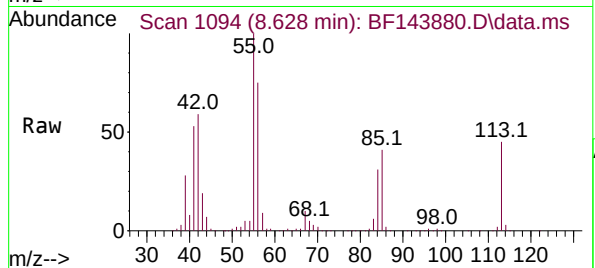
Tgt Ion:113 Resp: 167817

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

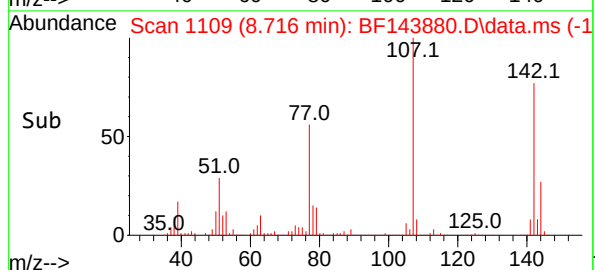
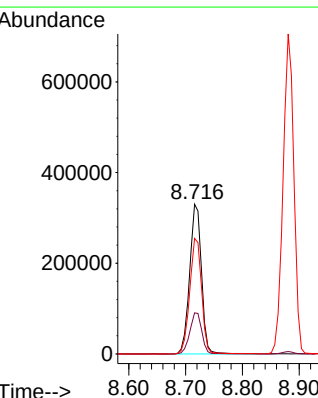
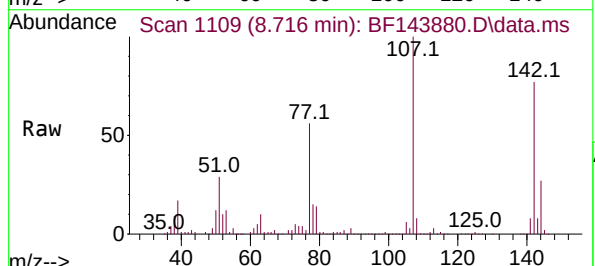
Tgt Ion:107 Resp: 477376

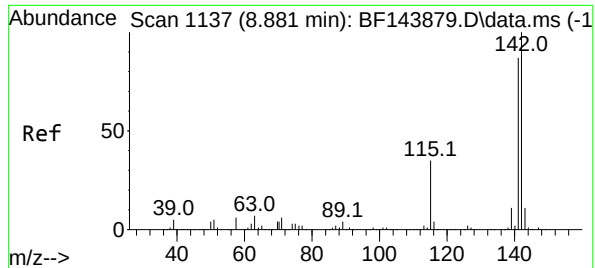
Ion Ratio Lower Upper

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# 1137

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

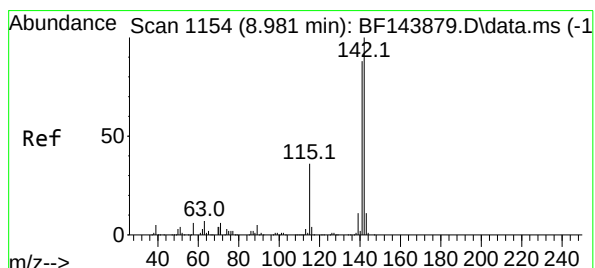
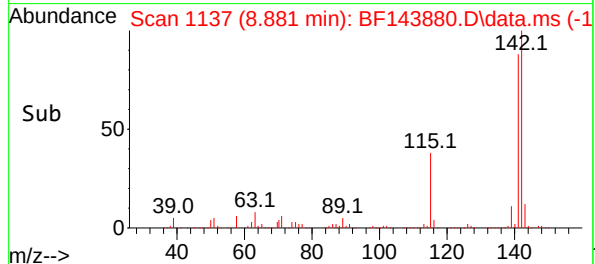
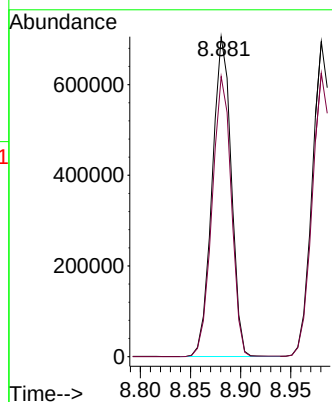
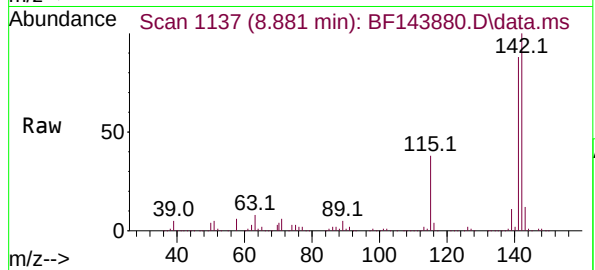
SSTDICC050

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

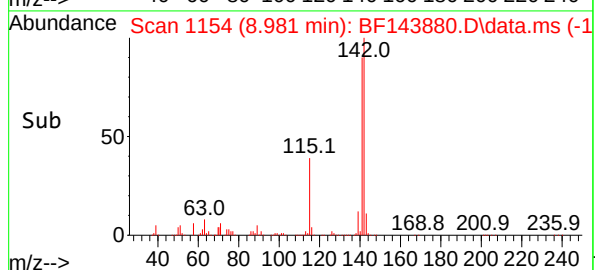
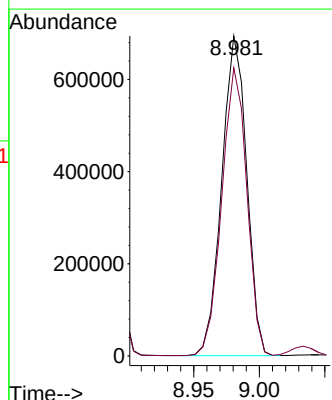
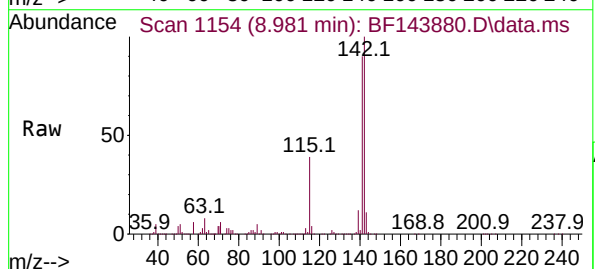
Acq: 06 Oct 2025 13:23

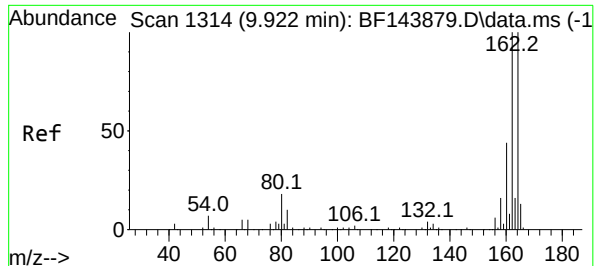
Tgt Ion:142 Resp: 918550

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# 1314

Delta R.T. 0.001 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

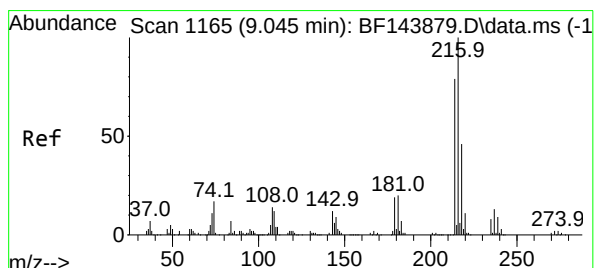
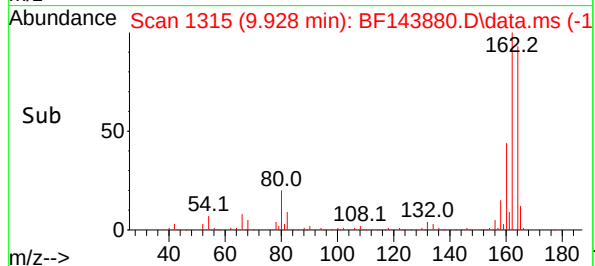
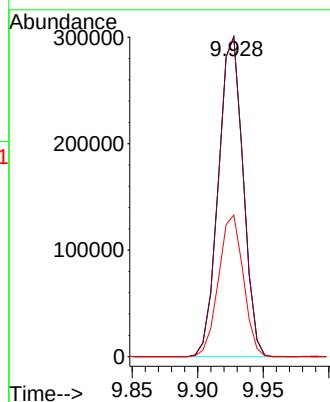
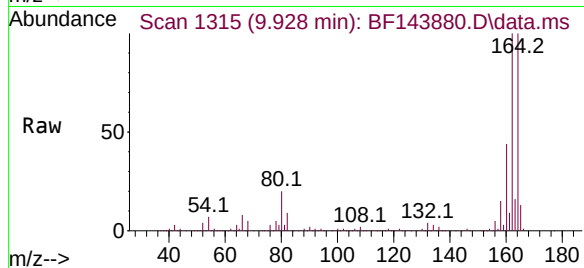
Tgt Ion:164 Resp: 393762

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

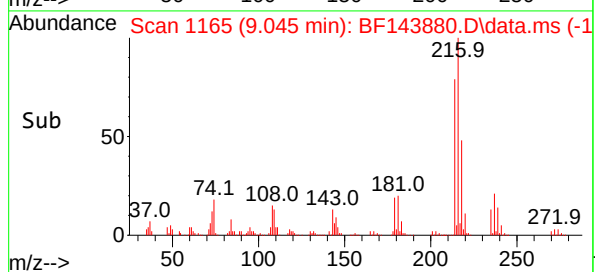
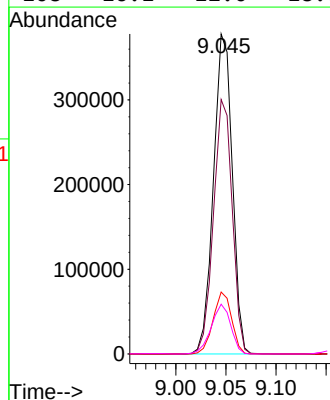
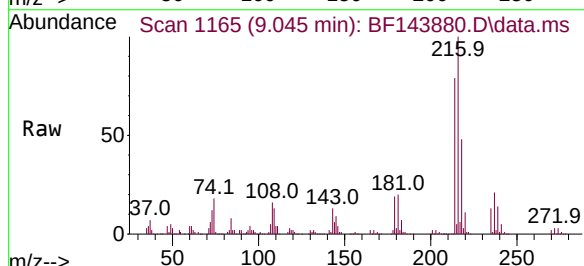
Ion Ratio Lower Upper

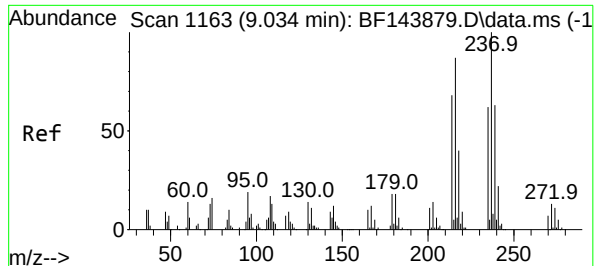
216 100

214 79.2 62.6 94.0

179 19.0 15.4 23.0

108 16.1 12.0 18.0

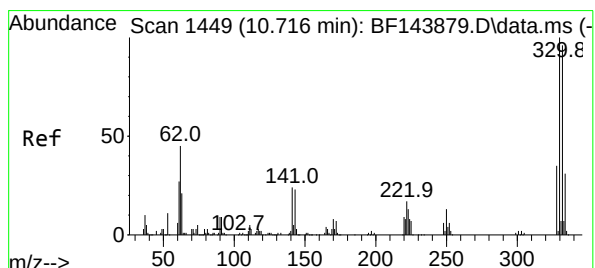
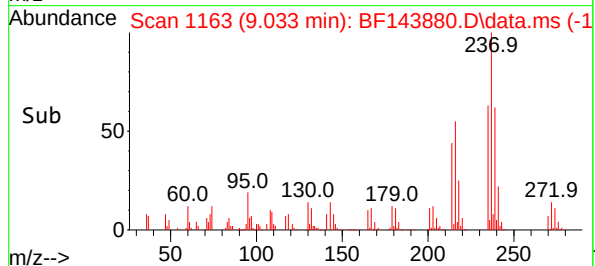
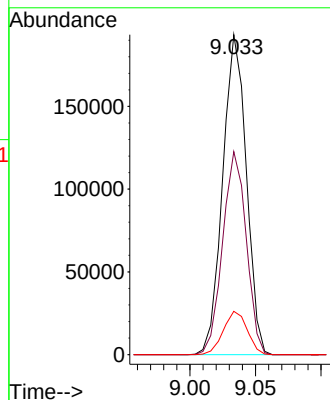
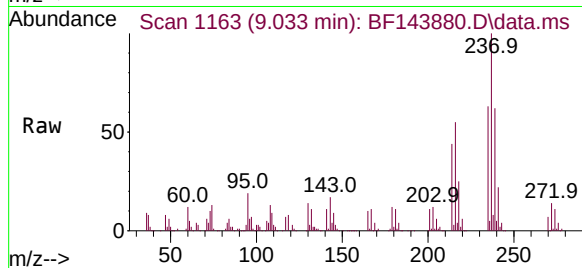




#41
Hexachlorocyclopentadiene
Concen: 53.686 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

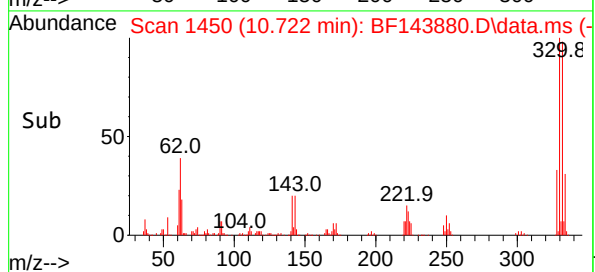
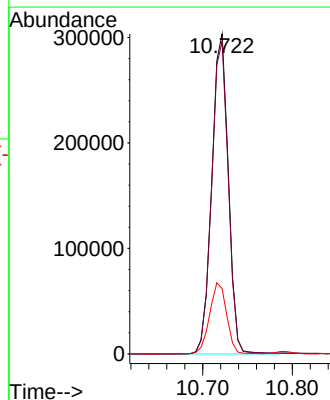
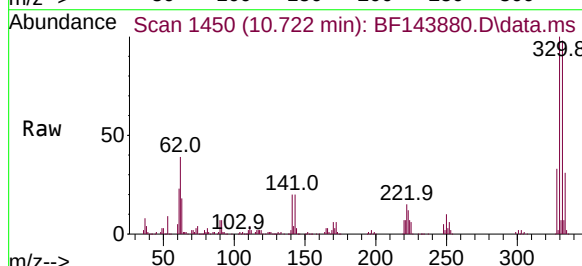
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

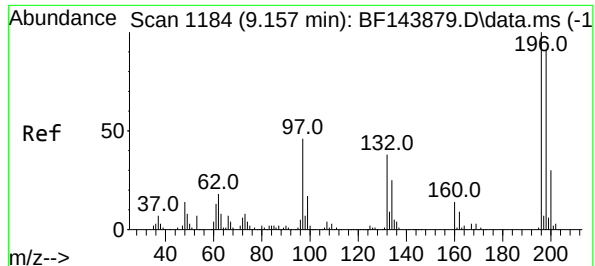
Tgt Ion: 237 Resp: 242390
Ion Ratio Lower Upper
237 100
235 63.4 42.3 82.3
272 13.5 0.0 33.1



#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# 1184

Delta R.T. -0.006 min

Lab File: BF143880.D

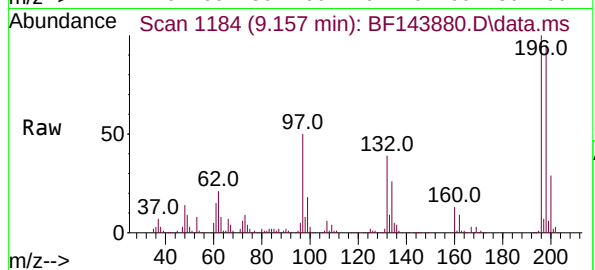
Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



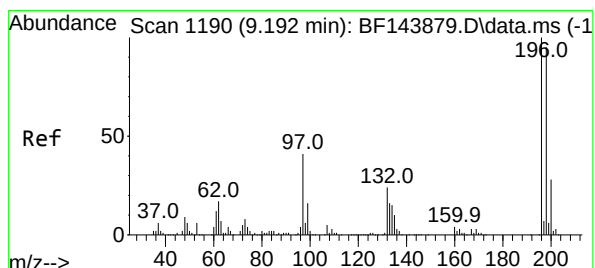
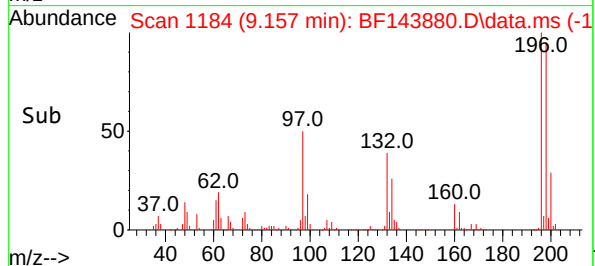
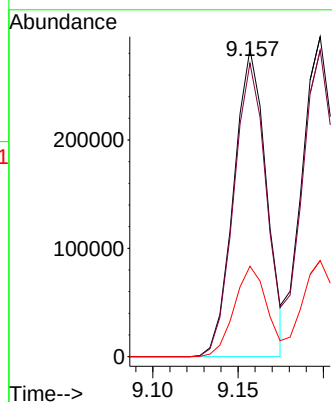
Tgt Ion:196 Resp: 376991

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

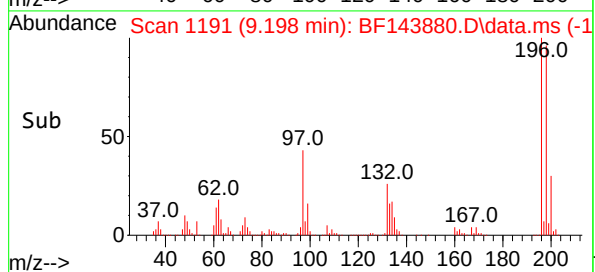
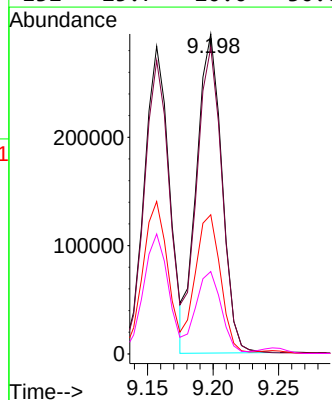
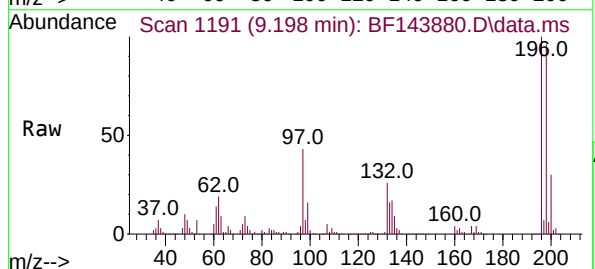
Ion Ratio Lower Upper

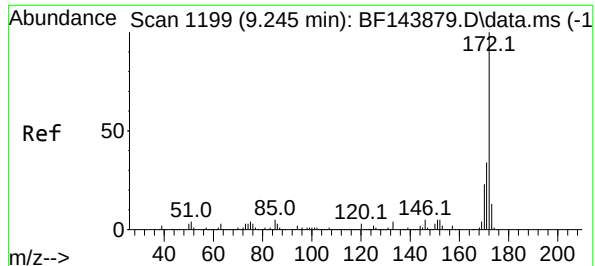
196 100

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# 1199

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

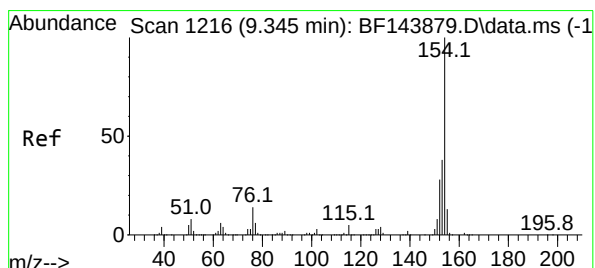
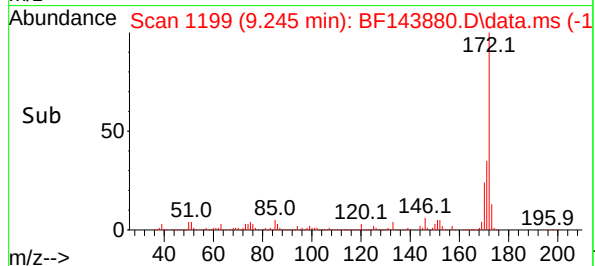
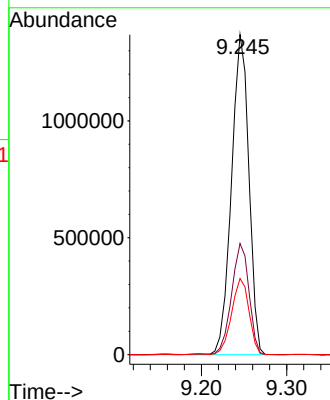
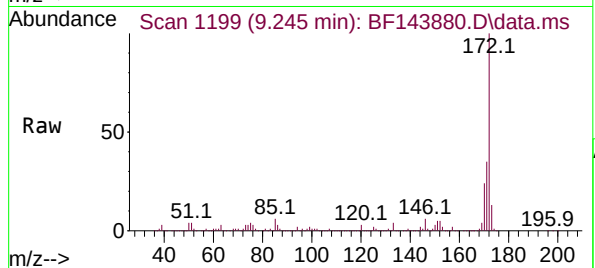
Tgt Ion:172 Resp: 1936883

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

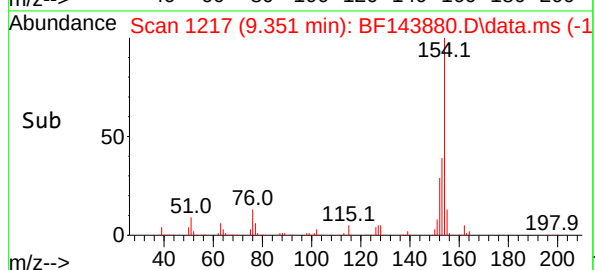
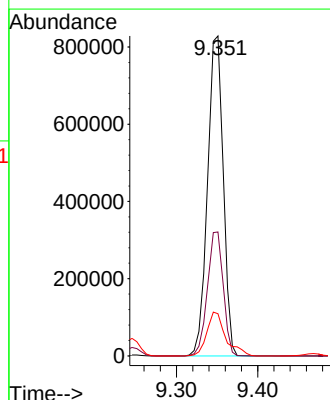
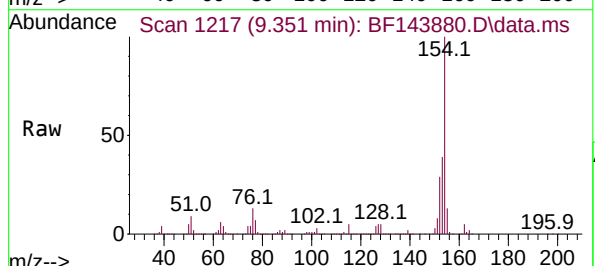
Tgt Ion:154 Resp: 1116775

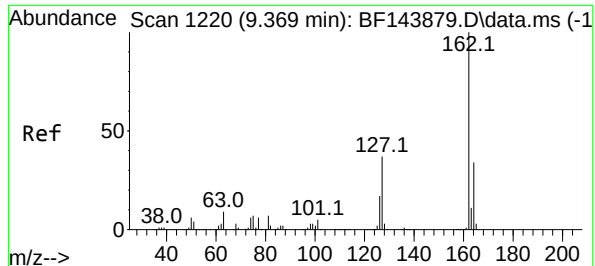
Ion Ratio Lower Upper

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# 1221

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

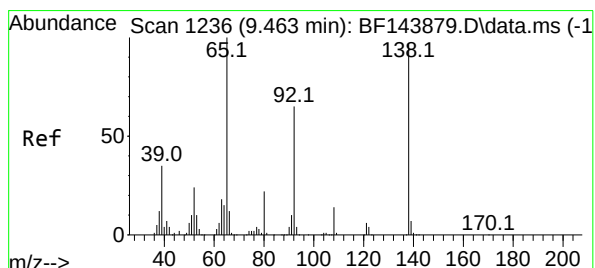
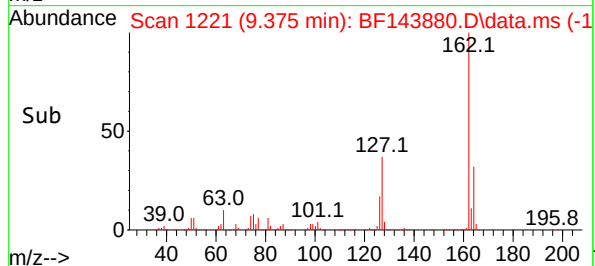
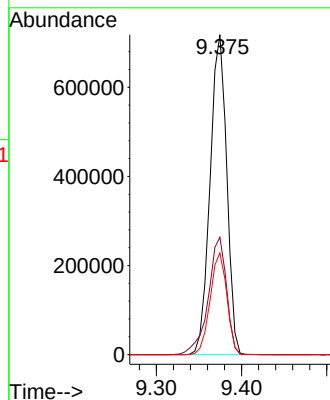
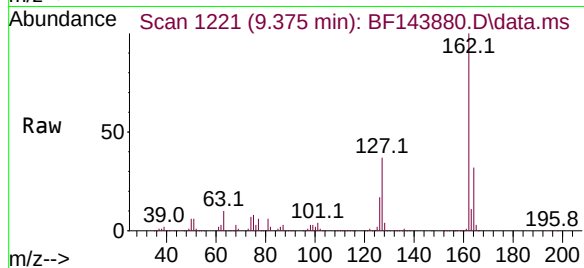
Tgt Ion:162 Resp: 972675

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

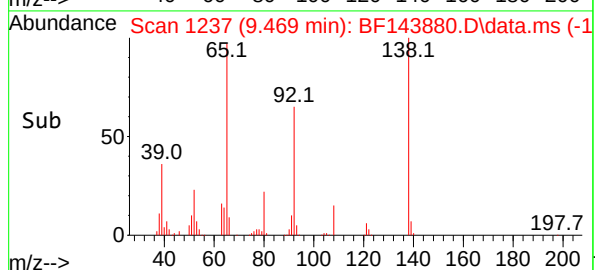
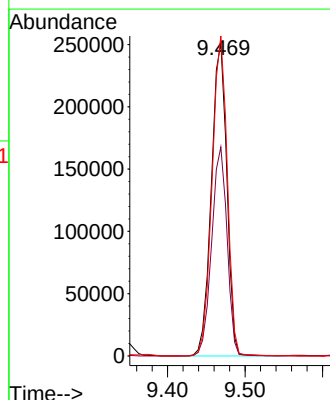
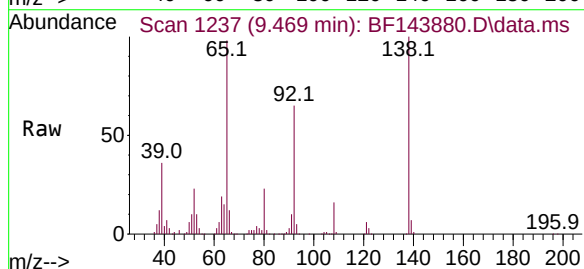
Tgt Ion: 65 Resp: 348179

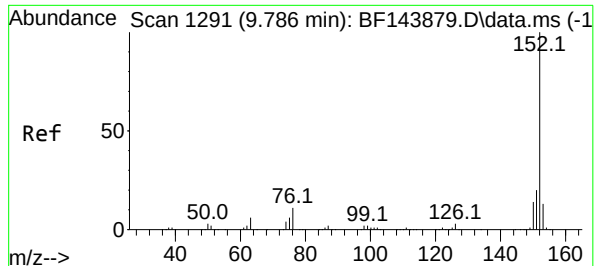
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

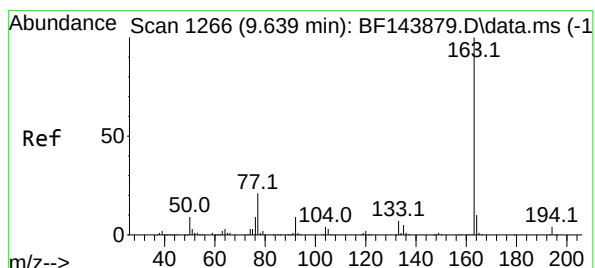
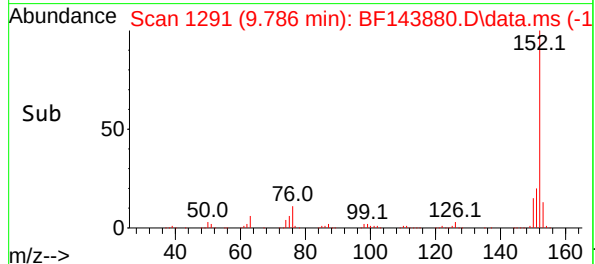
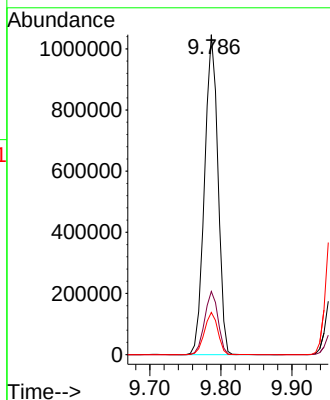
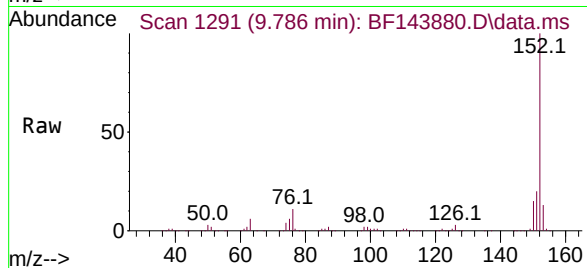
Tgt Ion:152 Resp: 1364193

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

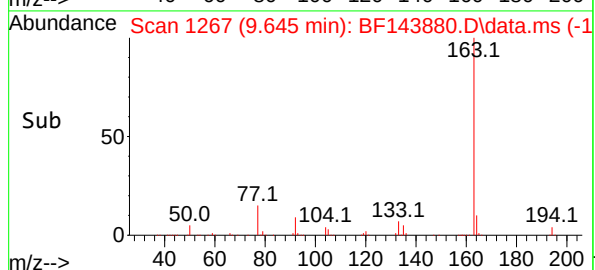
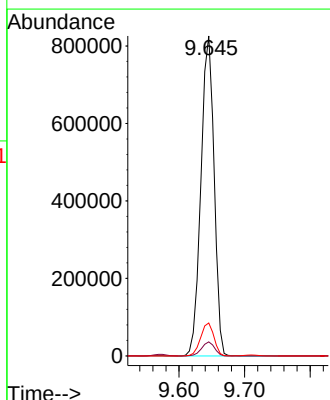
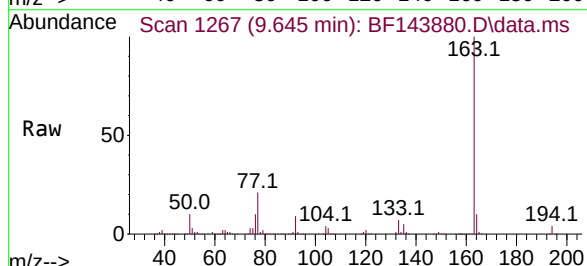
Tgt Ion:163 Resp: 1147448

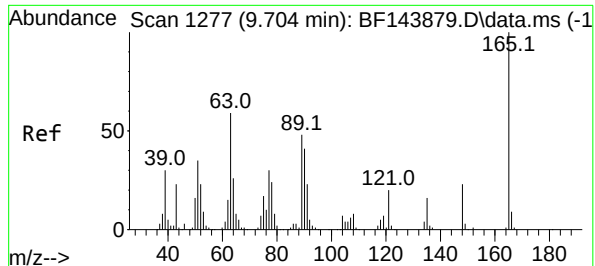
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

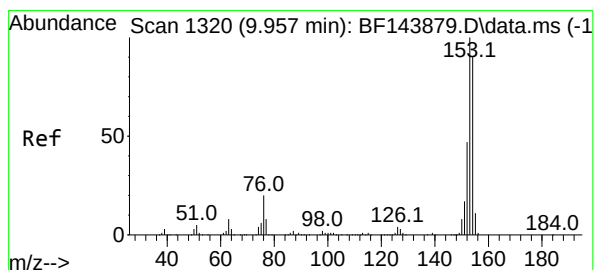
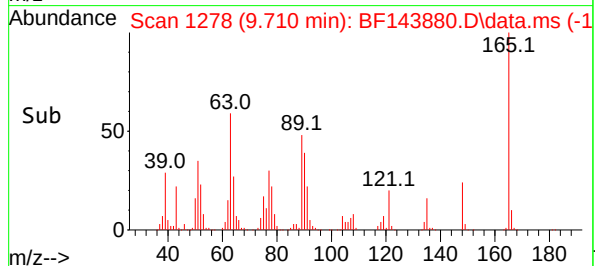
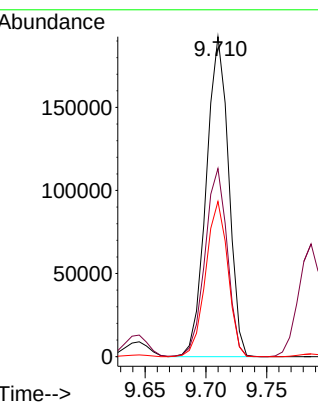
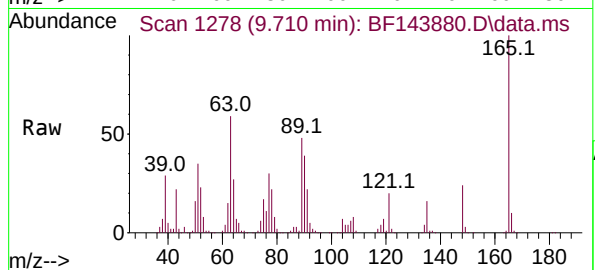
Tgt Ion:165 Resp: 246567

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

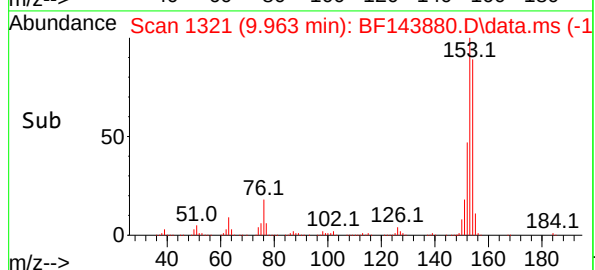
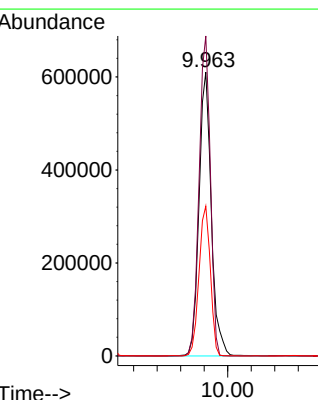
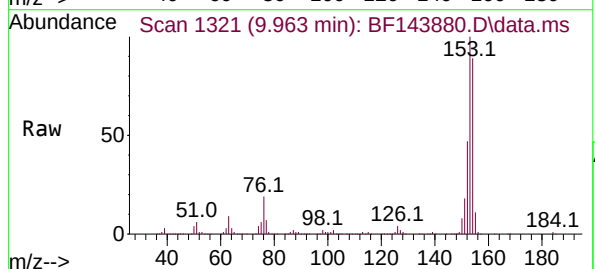
Tgt Ion:154 Resp: 883487

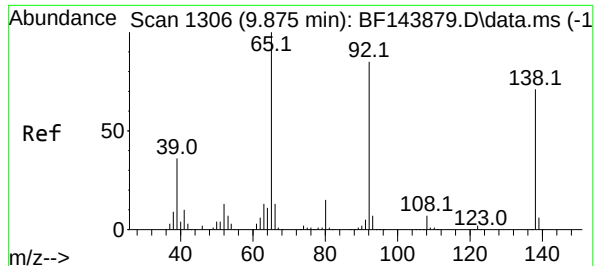
Ion Ratio Lower Upper

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# 1307

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

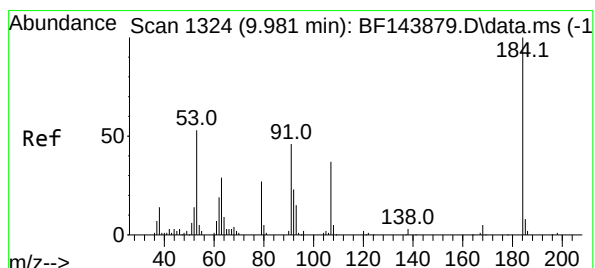
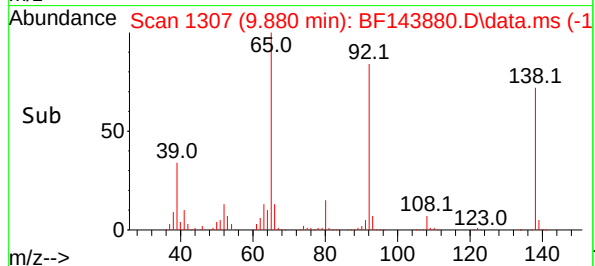
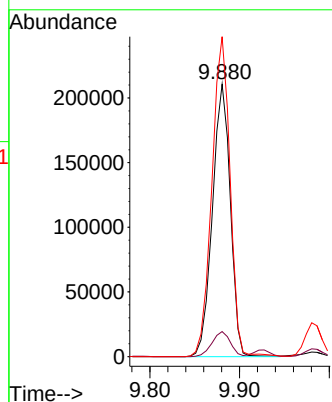
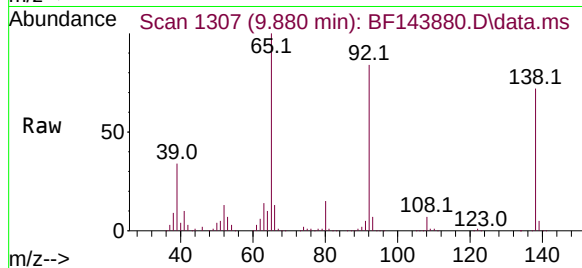
Tgt Ion:138 Resp: 291630

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

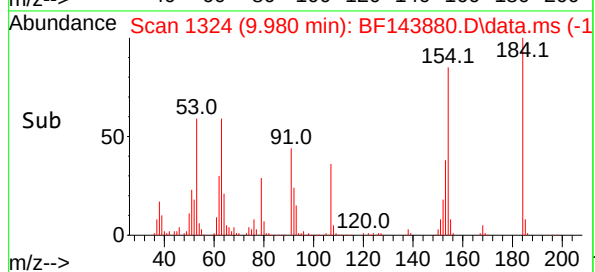
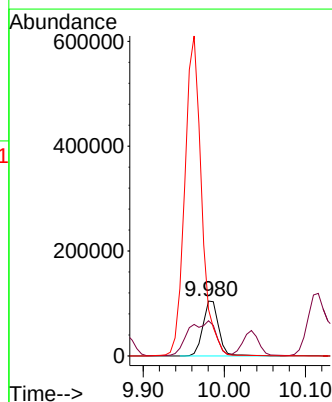
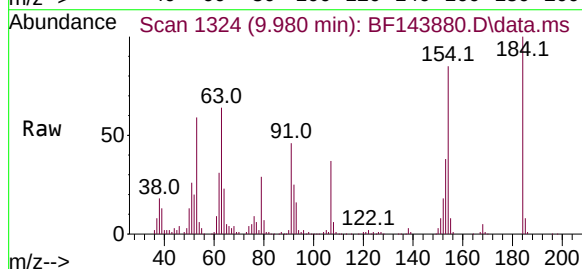
Tgt Ion:184 Resp: 140496

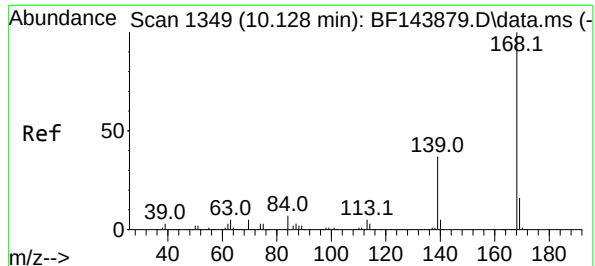
Ion Ratio Lower Upper

184 100

63 64.1 48.2 72.4

154 84.8 49.2 73.8#





#55

Dibenzenofuran

Concen: 43.625 ng

RT: 10.133 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

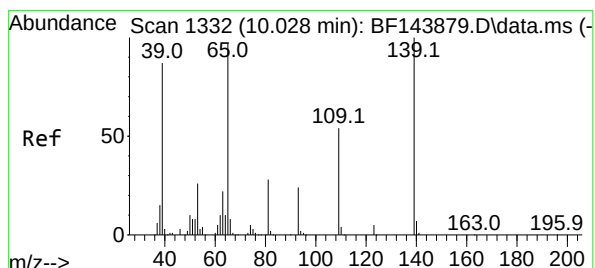
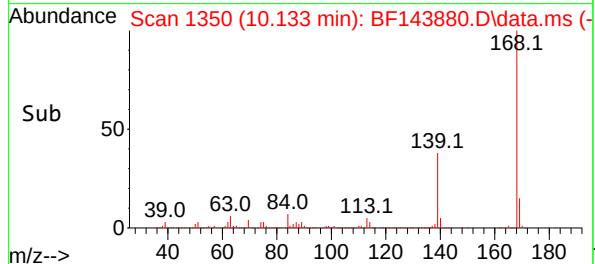
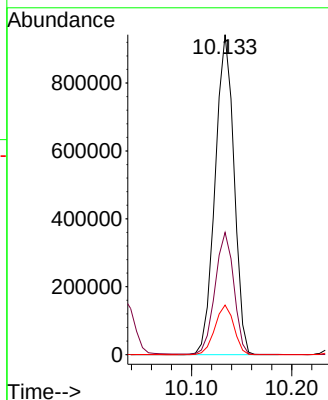
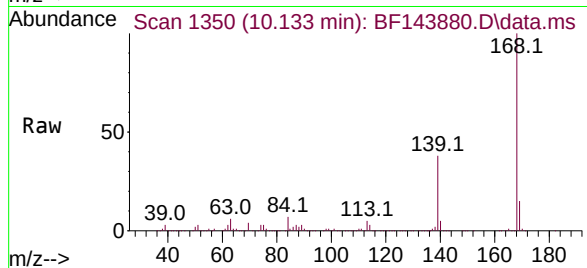
Tgt Ion:168 Resp: 1233091

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

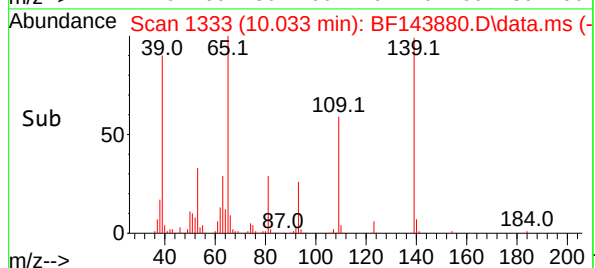
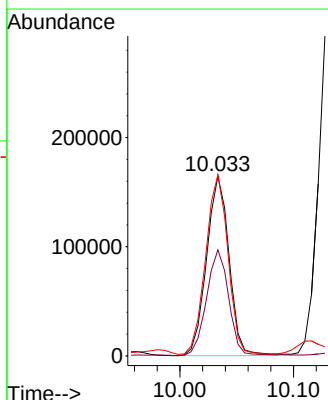
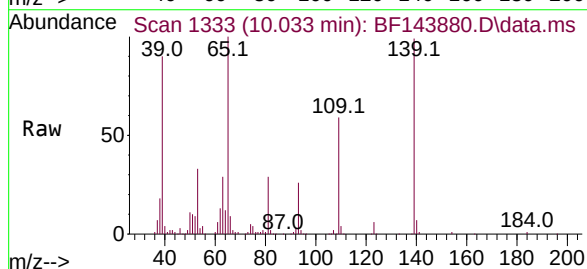
Tgt Ion:139 Resp: 226765

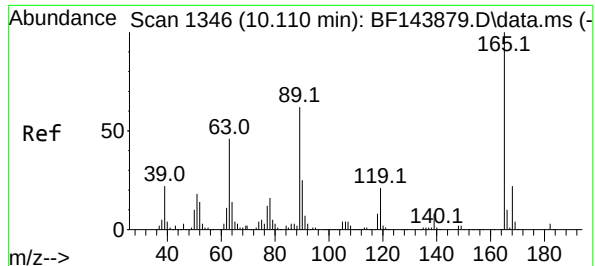
Ion Ratio Lower Upper

139 100

109 59.0 34.5 74.5

65 100.7 77.6 117.6

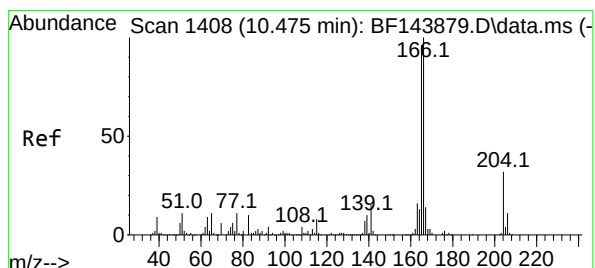
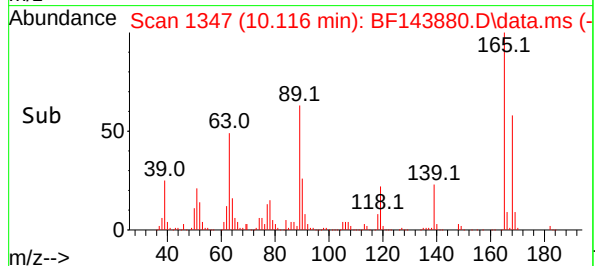
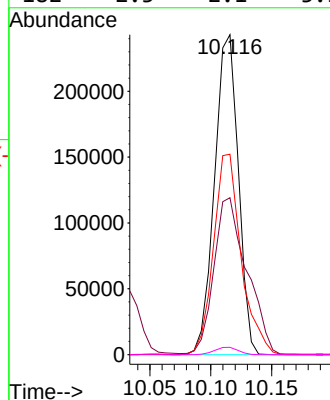
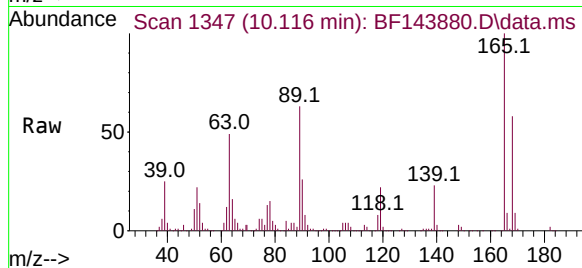




#57
2,4-Dinitrotoluene
Concen: 52.304 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

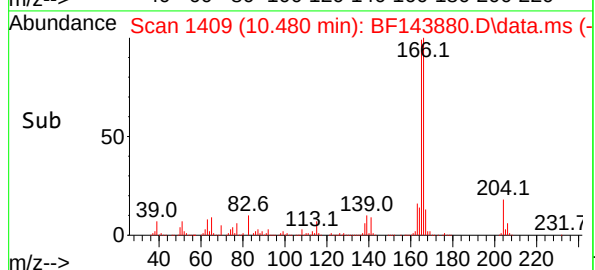
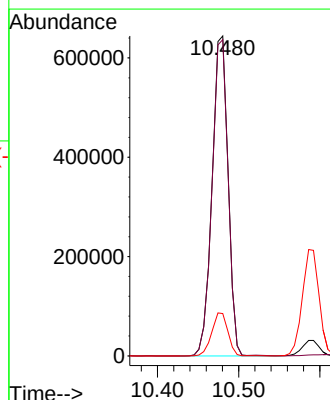
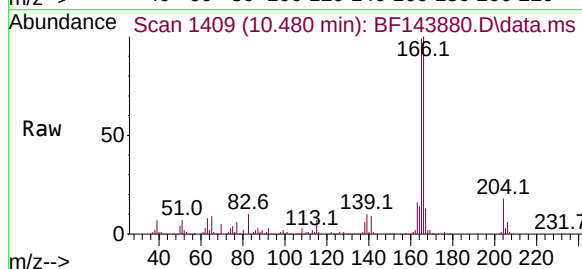
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

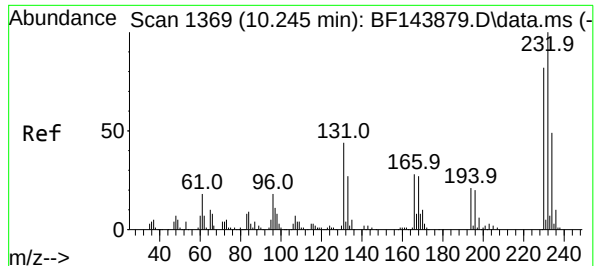
Tgt Ion:165 Resp: 329984
Ion Ratio Lower Upper
165 100
63 49.0 37.2 55.8
89 62.6 49.4 74.2
182 2.3 2.1 3.1



#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

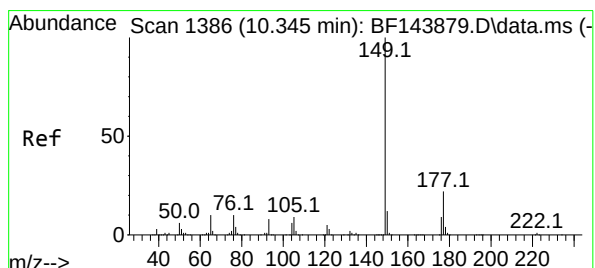
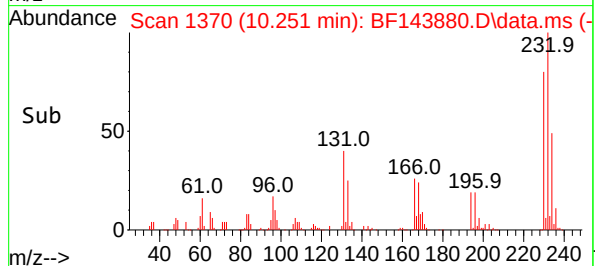
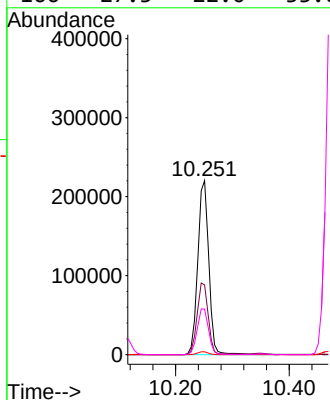
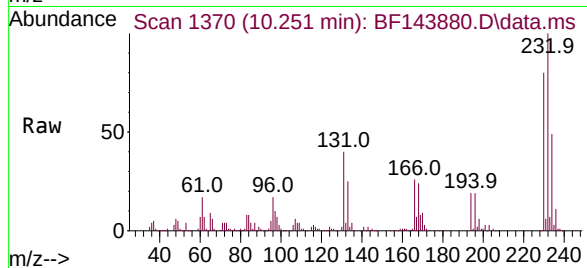




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.591 ng
RT: 10.251 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

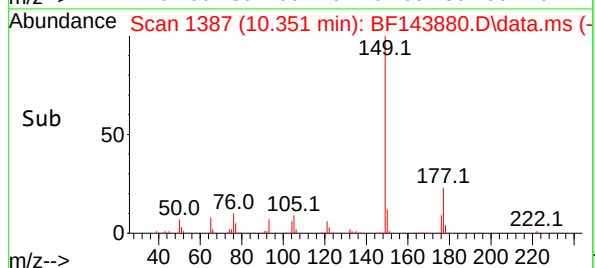
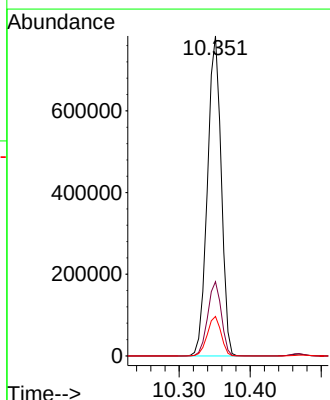
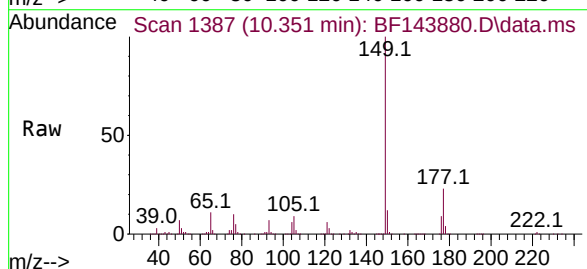
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

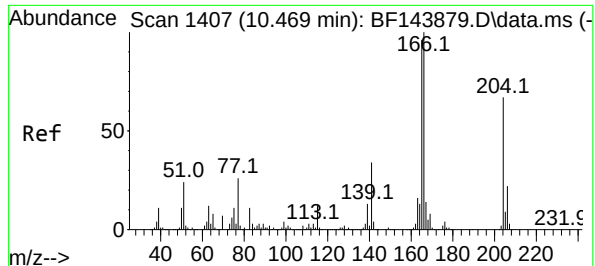
Tgt Ion:232 Resp: 294987
Ion Ratio Lower Upper
232 100
131 41.7 34.9 52.3
130 1.6 1.6 2.4#
166 27.3 22.0 33.0



#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

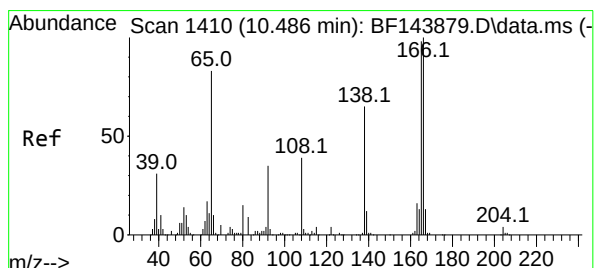
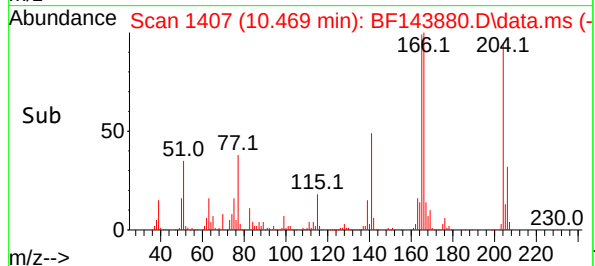
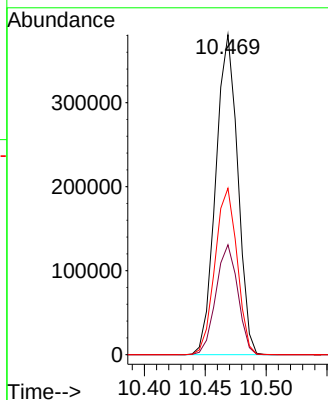
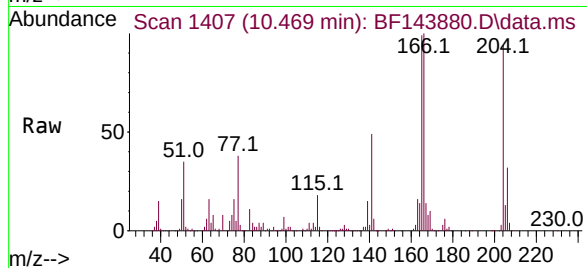




#61
4-Chlorophenyl-phenylether
Concen: 42.311 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

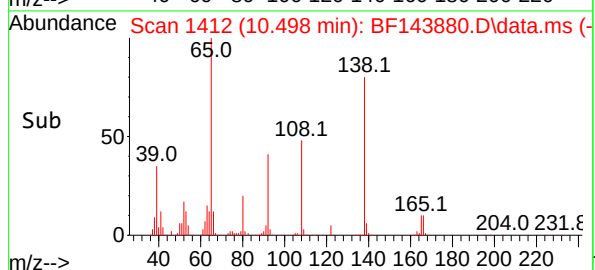
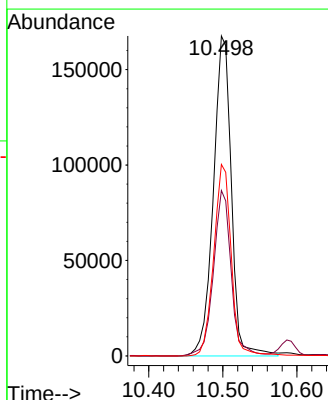
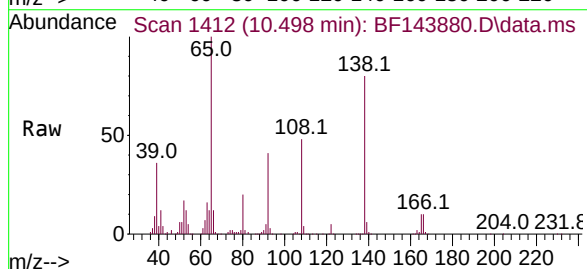
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

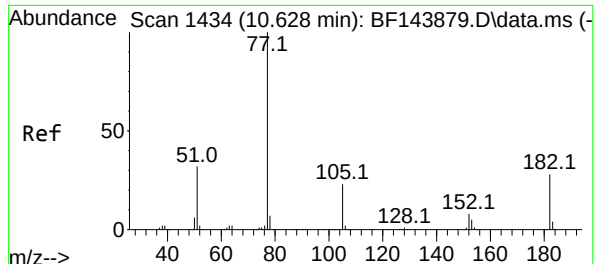
Tgt Ion:204 Resp: 477108
Ion Ratio Lower Upper
204 100
206 34.3 26.6 40.0
141 52.0 40.4 60.6



#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

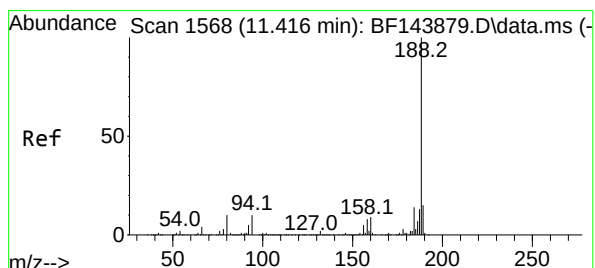
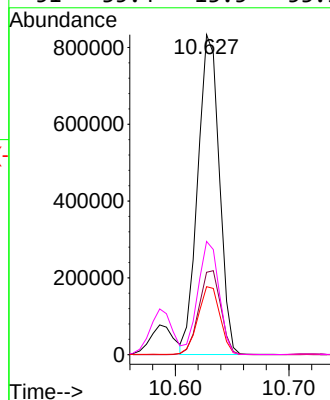
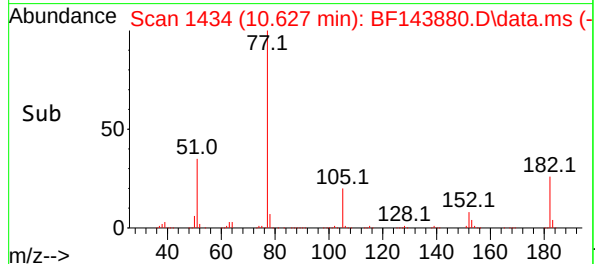
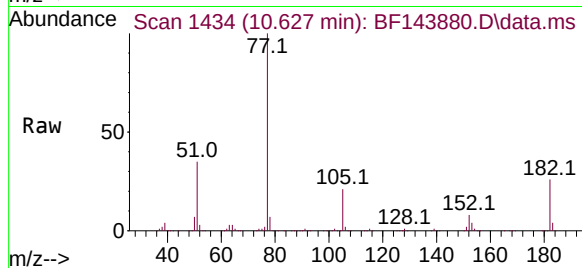




#63
Azobenzene
Concen: 45.178 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

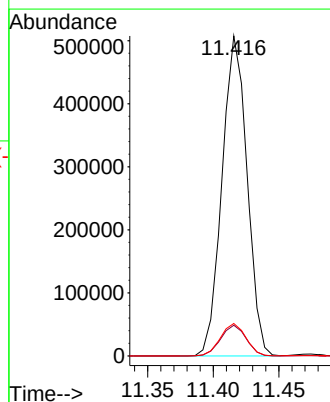
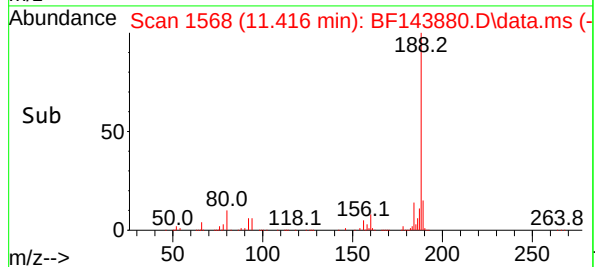
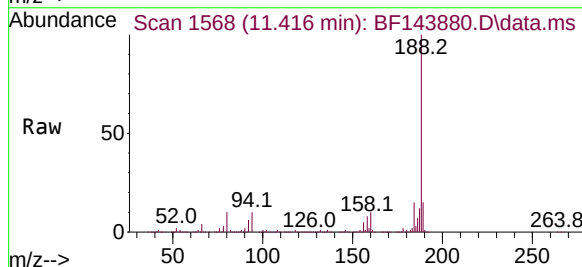
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

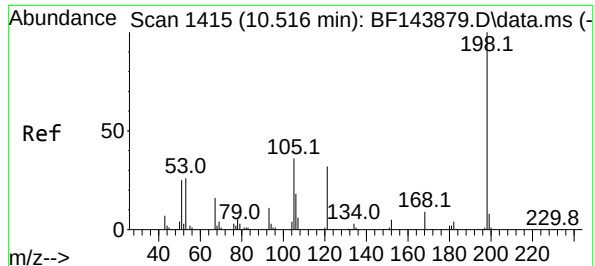
Tgt Ion: 77 Resp: 1096875
Ion Ratio Lower Upper
77 100
182 25.7 7.3 47.3
105 21.2 3.0 43.0
51 35.4 13.5 53.5



#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

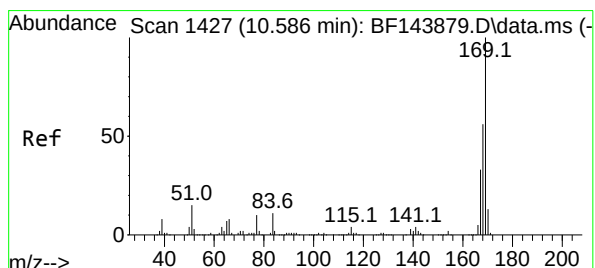
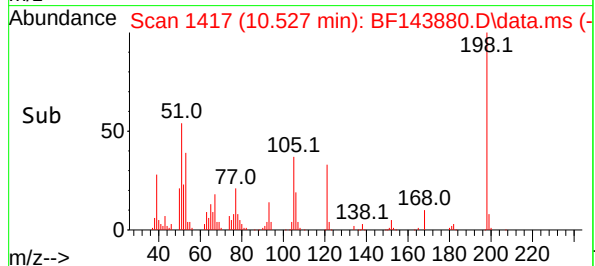
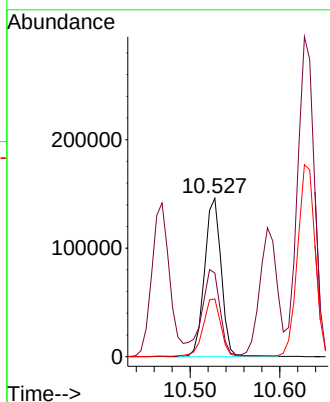
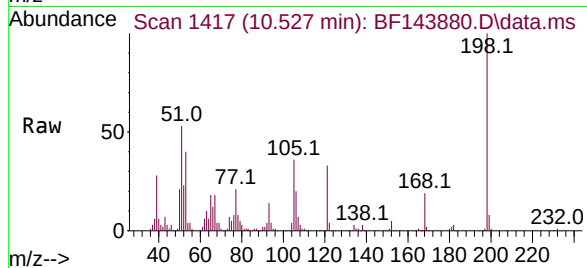




#65
4,6-Dinitro-2-methylphenol
Concen: 55.558 ng
RT: 10.527 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

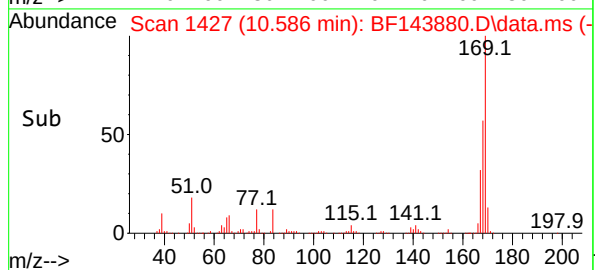
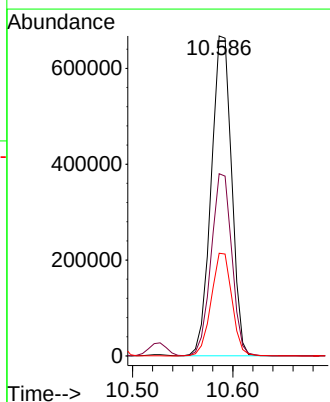
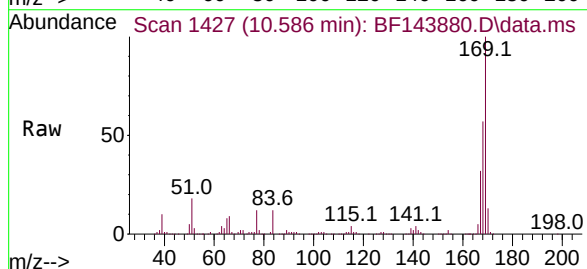
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

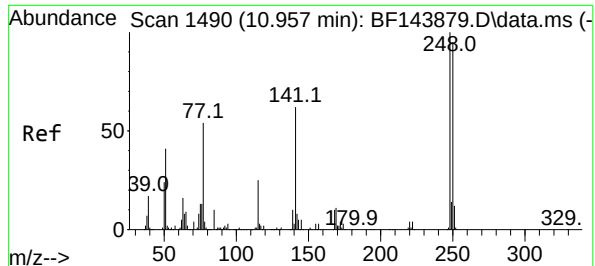
Tgt Ion:198 Resp: 188400
Ion Ratio Lower Upper
198 100
51 52.8 33.8 73.8
105 36.4 17.0 57.0



#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

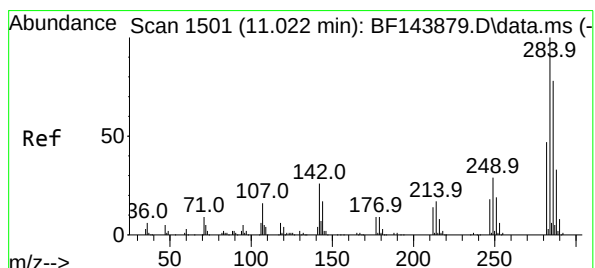
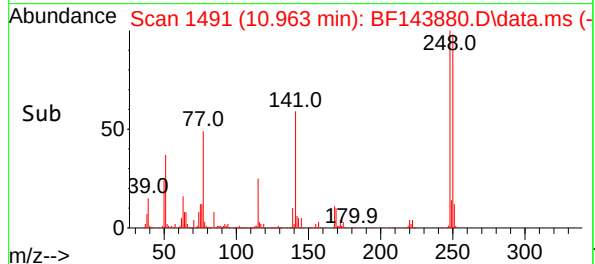
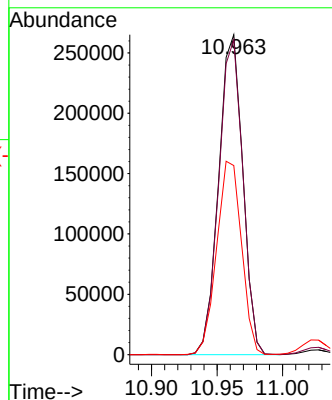
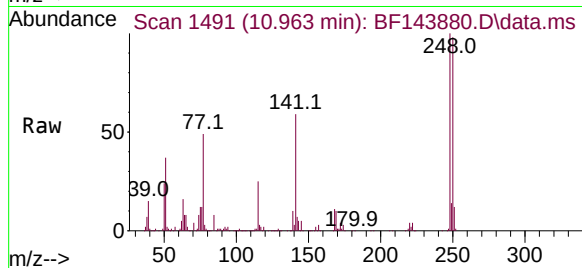




#67
4-Bromophenyl-phenylether
Concen: 45.566 ng
RT: 10.963 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

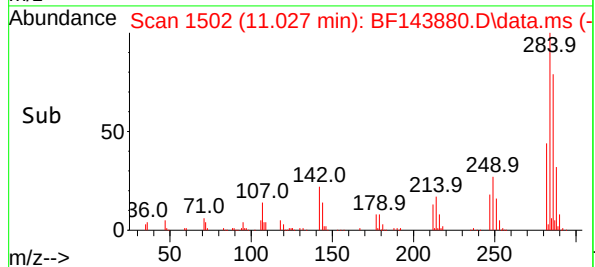
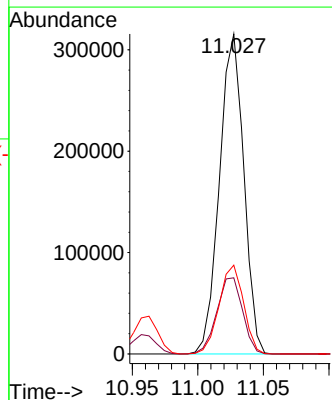
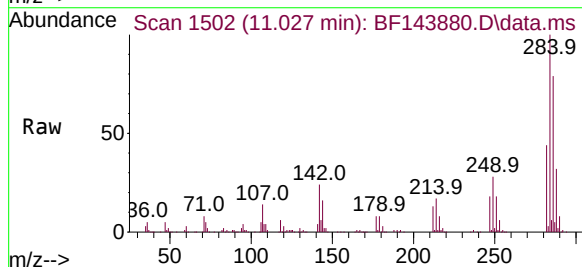
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

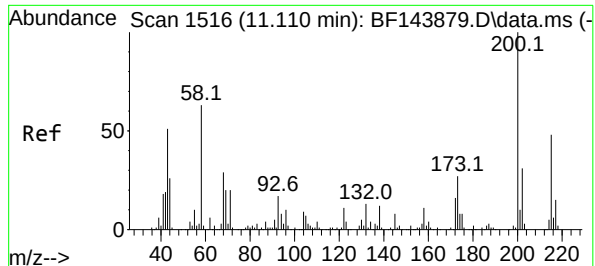
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.3	114.5
141	59.1	49.7	74.5



#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	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# 1517

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

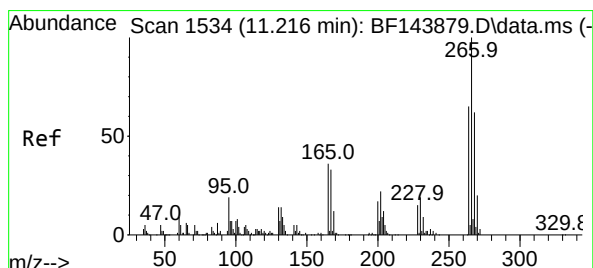
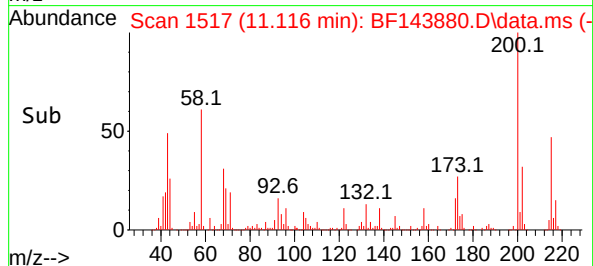
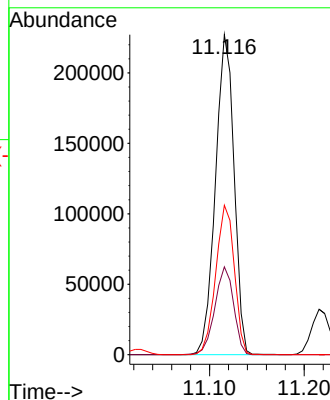
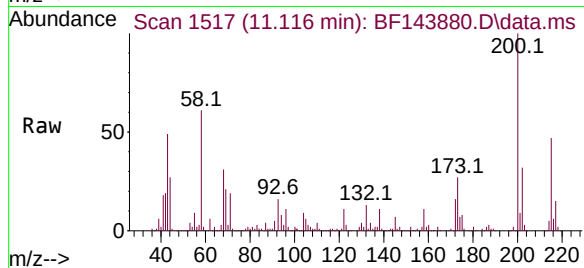
Tgt Ion:200 Resp: 309799

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

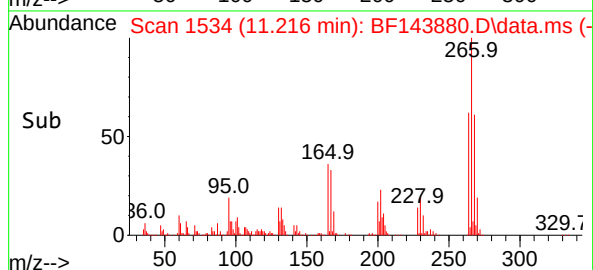
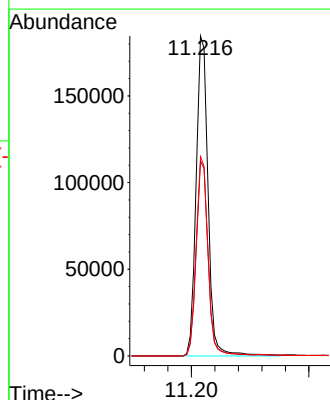
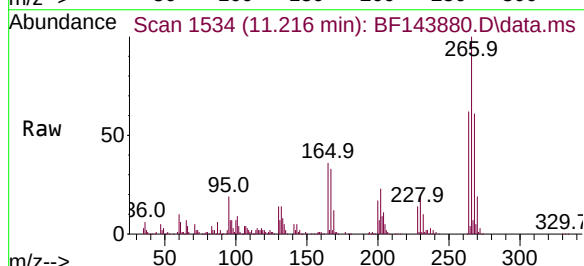
Tgt Ion:266 Resp: 259359

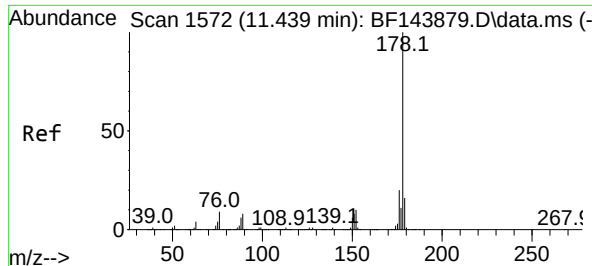
Ion Ratio Lower Upper

266 100

268 60.8 49.4 74.0

264 62.2 51.8 77.6

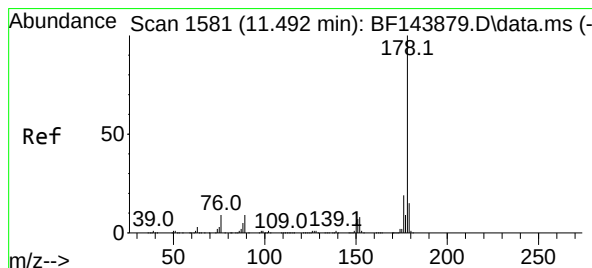
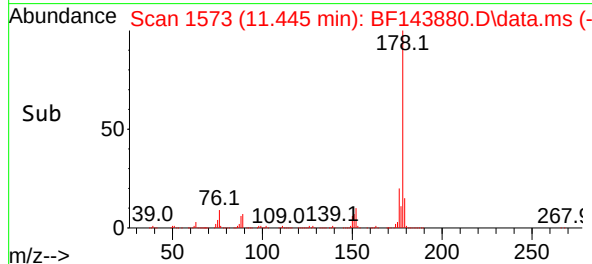
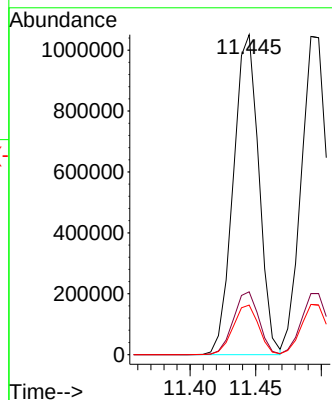
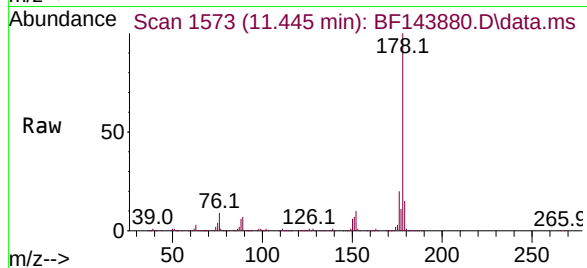




#71
Phenanthrene
Concen: 43.395 ng
RT: 11.445 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

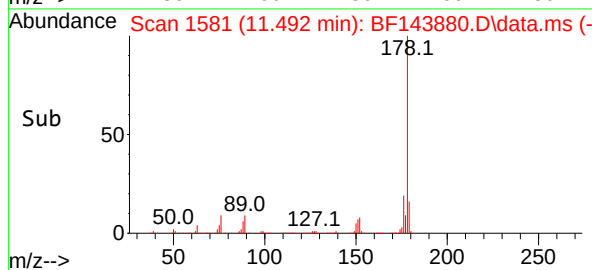
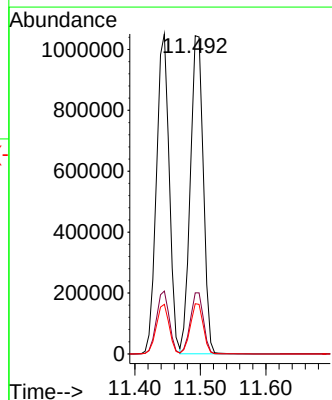
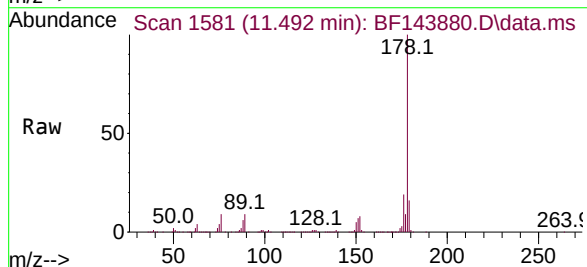
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

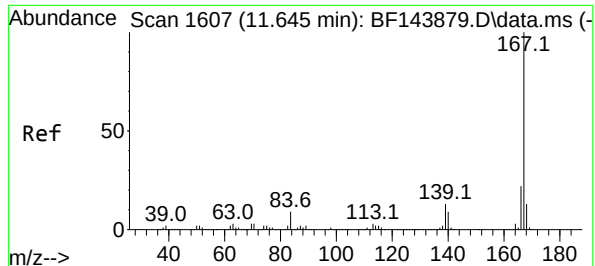
Tgt Ion:178 Resp: 1419666
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.5 12.4 18.6



#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

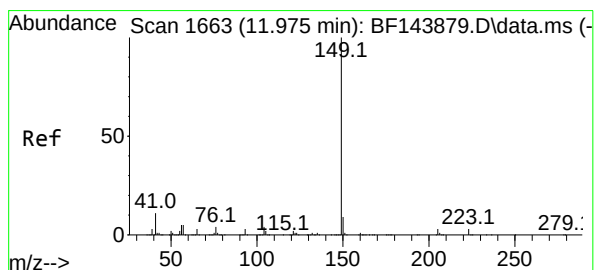
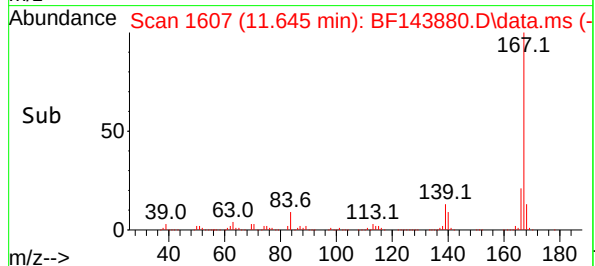
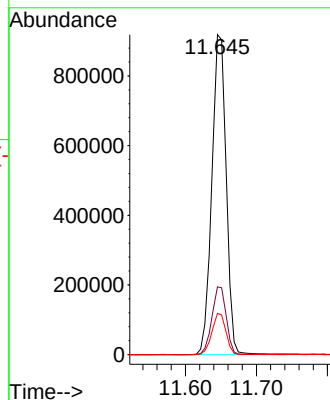
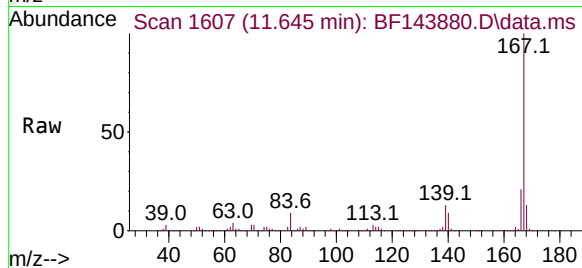




#73
Carbazole
Concen: 44.139 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

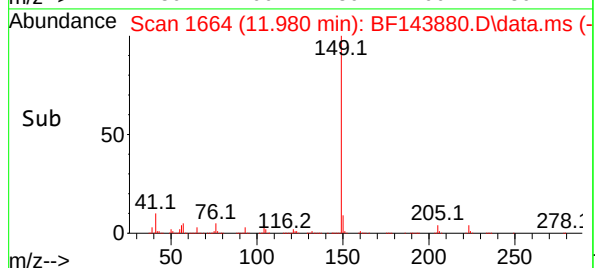
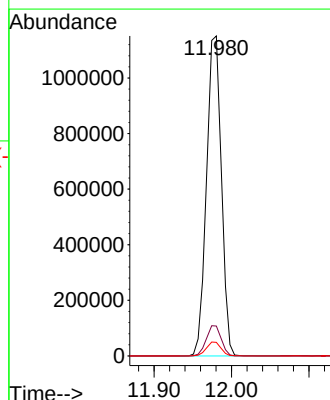
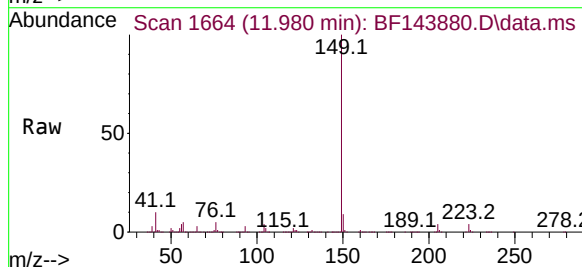
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

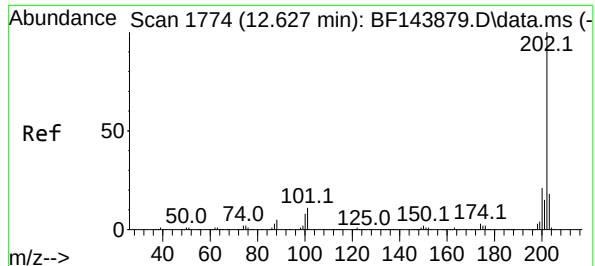
Tgt Ion:167 Resp: 1291982
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 12.9 10.1 15.1



#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# 11

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

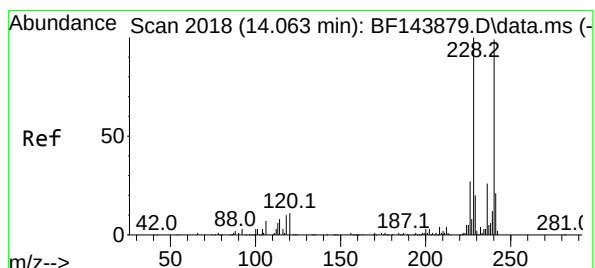
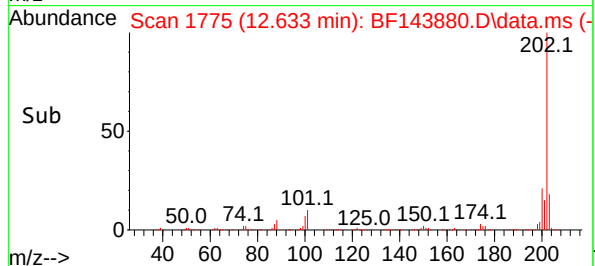
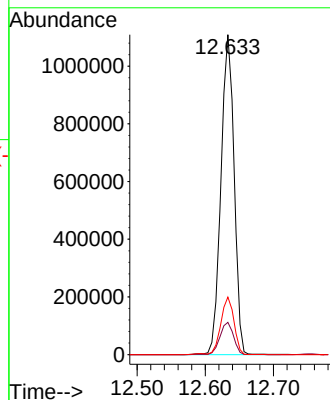
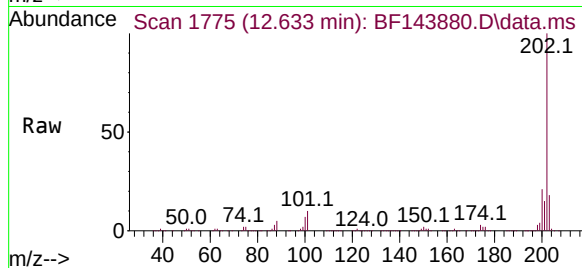
Tgt Ion:202 Resp: 1478181

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

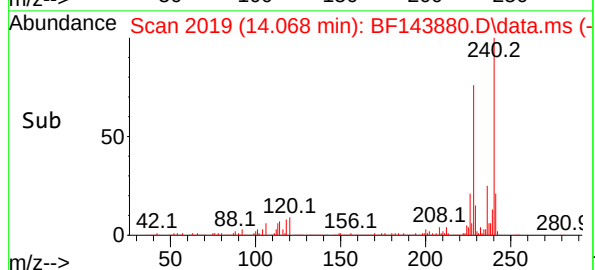
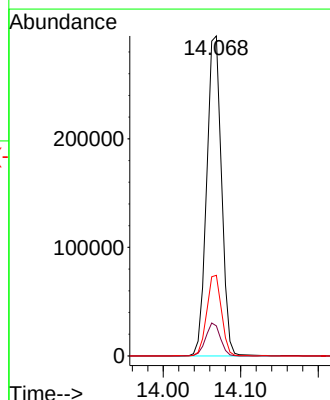
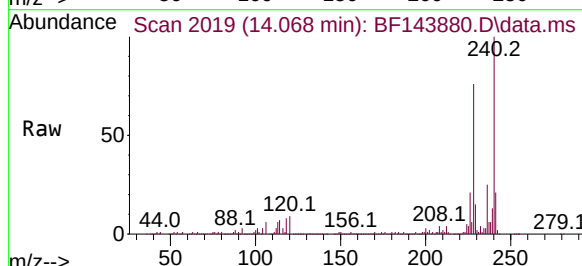
Tgt Ion:240 Resp: 390779

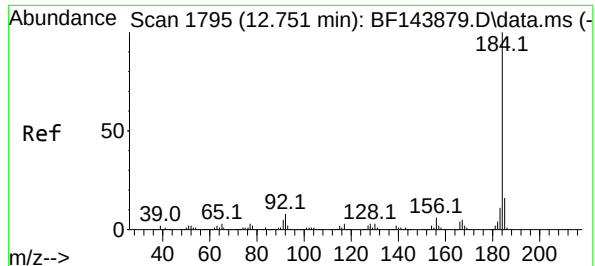
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

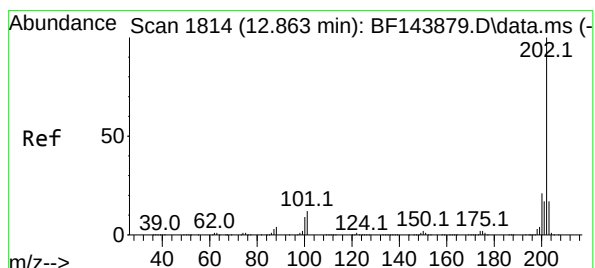
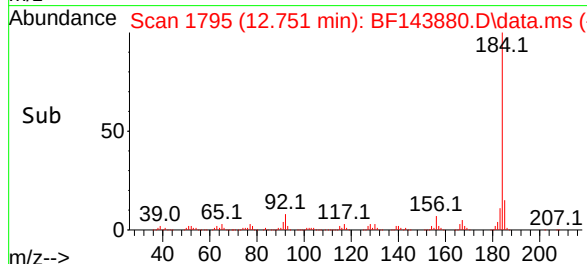
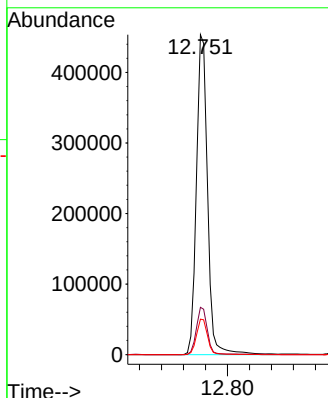
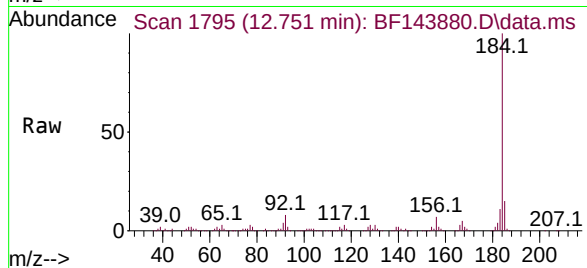
Tgt Ion:184 Resp: 636126

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

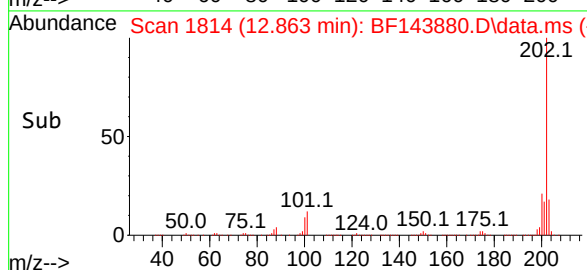
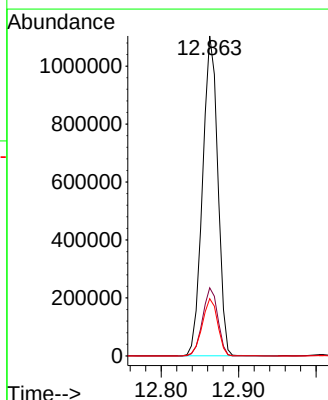
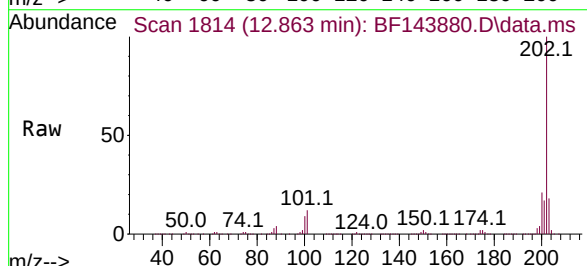
Tgt Ion:202 Resp: 1505326

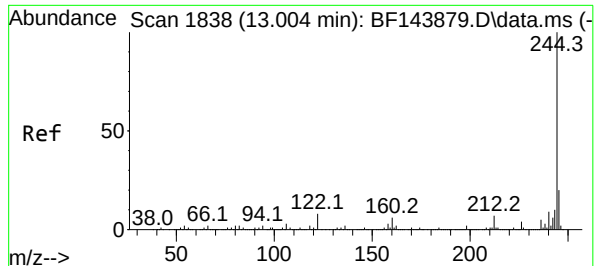
Ion Ratio Lower Upper

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# 1838

Delta R.T. 0.000 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

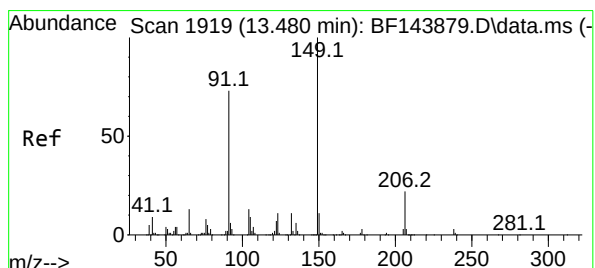
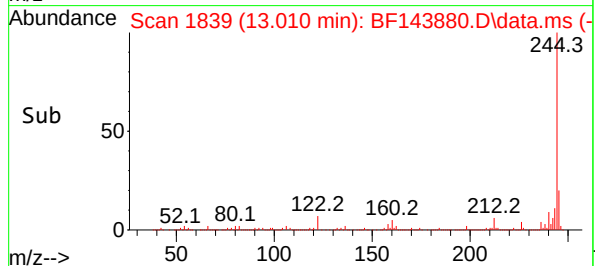
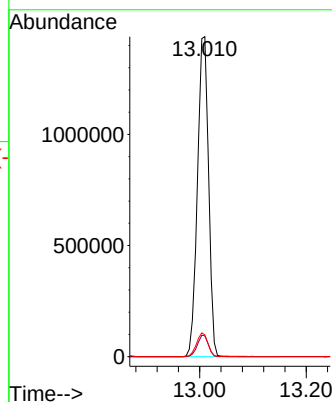
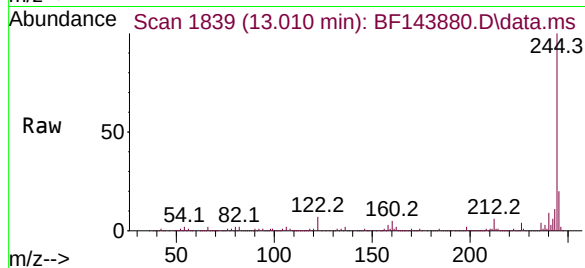
Tgt Ion:244 Resp: 2083463

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

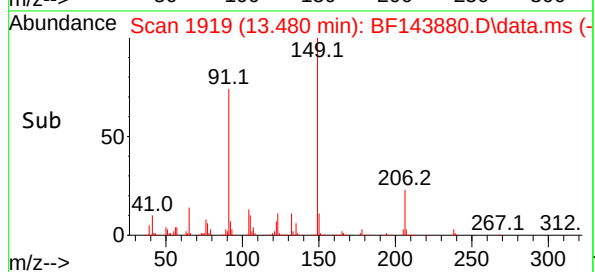
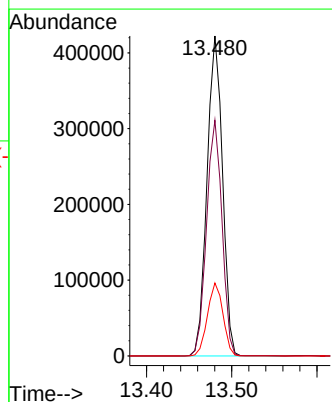
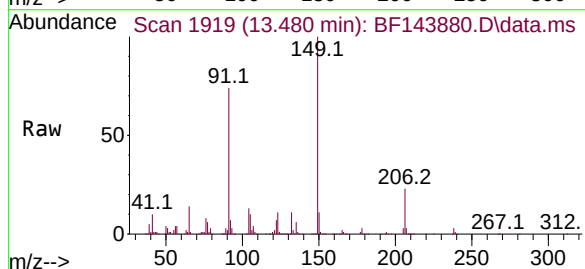
Tgt Ion:149 Resp: 532754

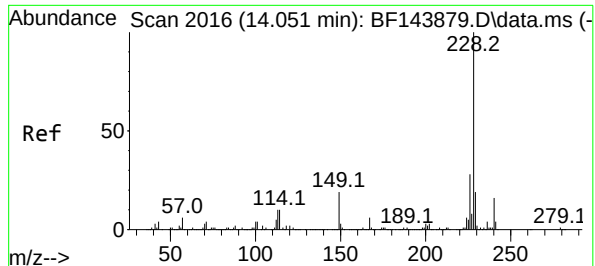
Ion Ratio Lower Upper

149 100

91 73.6 58.2 87.2

206 22.8 17.9 26.9

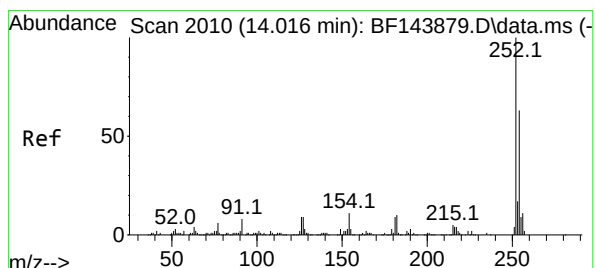
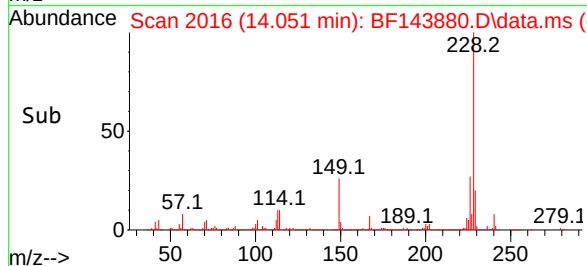
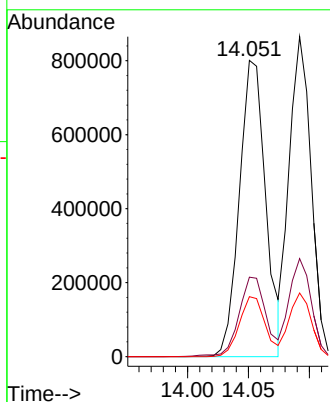
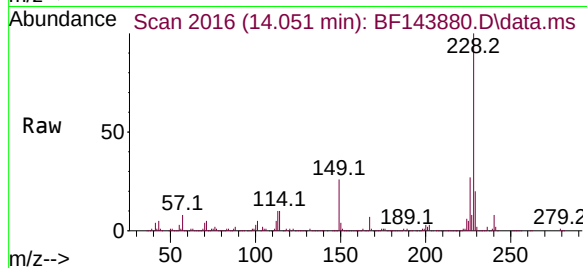




#81
Benzo(a)anthracene
Concen: 47.075 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

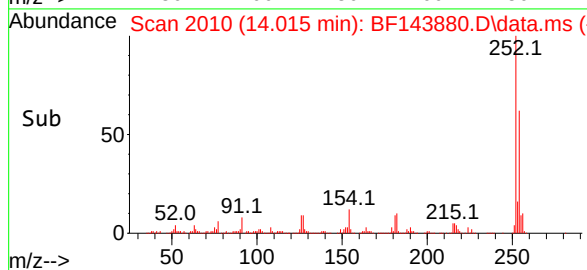
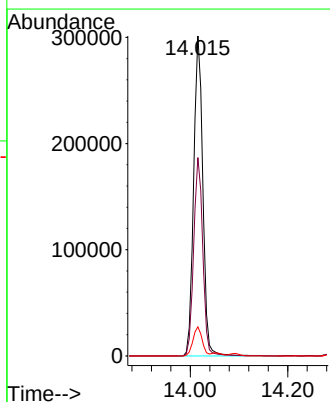
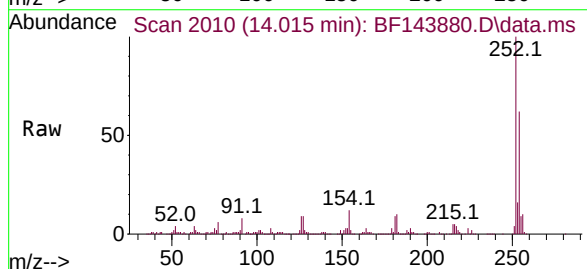
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

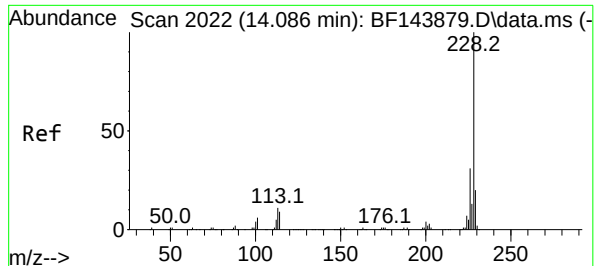
Tgt Ion:228 Resp: 1203843
Ion Ratio Lower Upper
228 100
226 26.8 22.2 33.2
229 20.2 15.6 23.4



#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

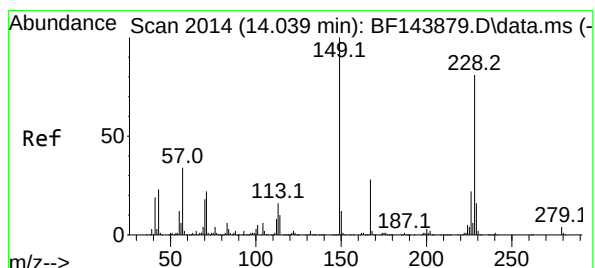
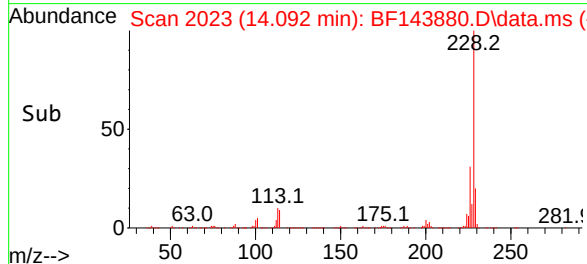
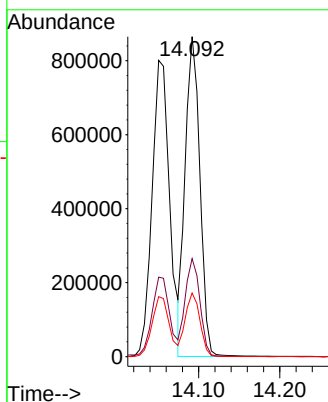
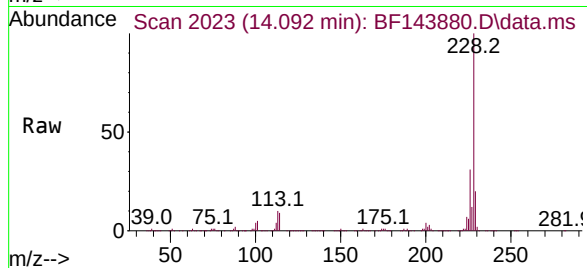
Tgt Ion:228 Resp: 1090275

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

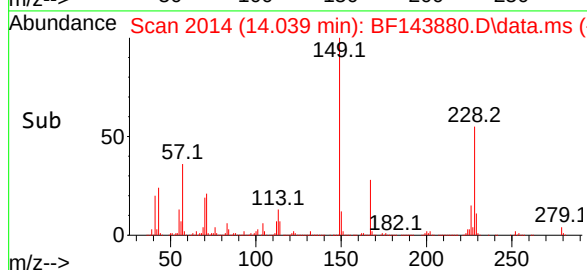
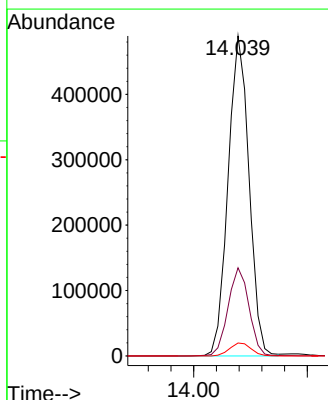
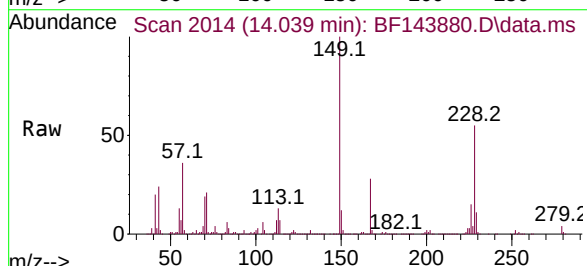
Tgt Ion:149 Resp: 626818

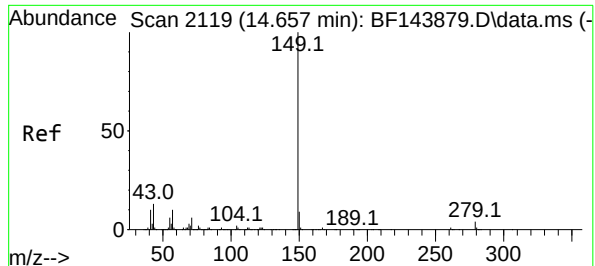
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 4.0 3.1 4.7

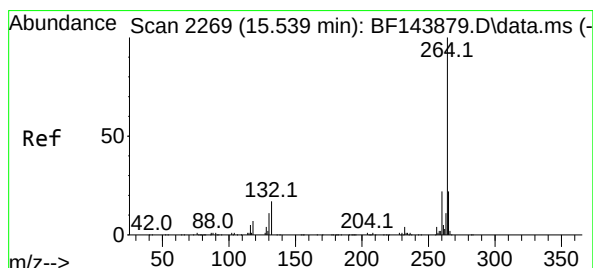
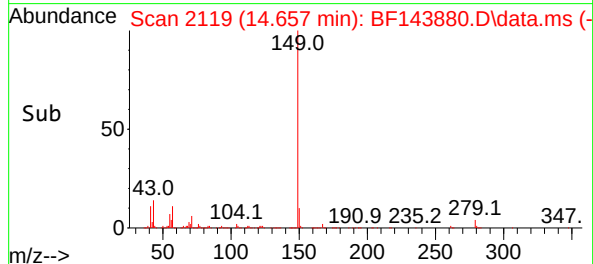
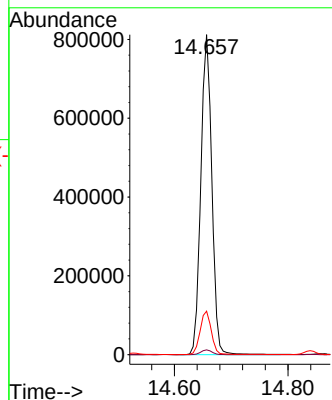
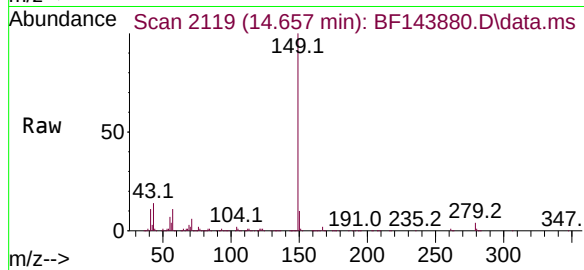




#85
Di-n-octyl phthalate
Concen: 51.691 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

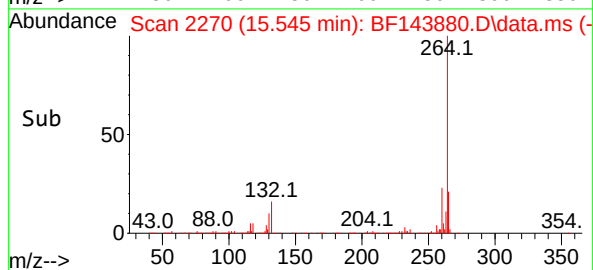
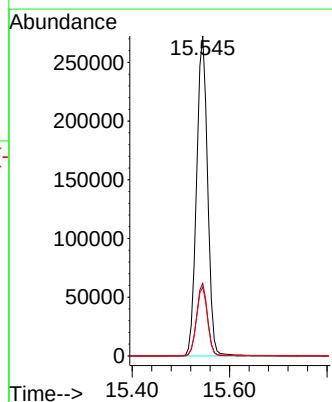
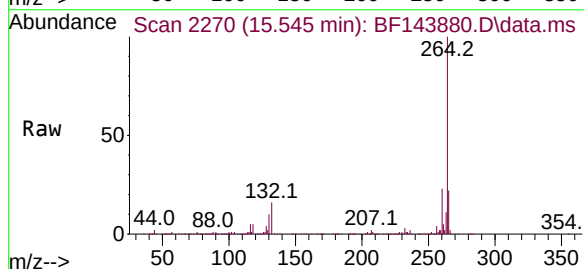
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

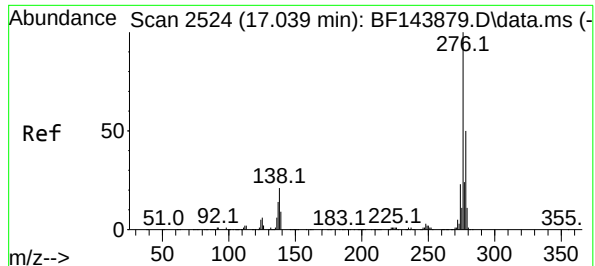
Tgt Ion:149 Resp: 1082833
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.9 11.0 16.4



#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# 21

Delta R.T. -0.012 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

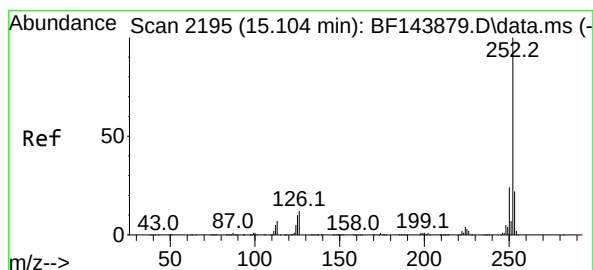
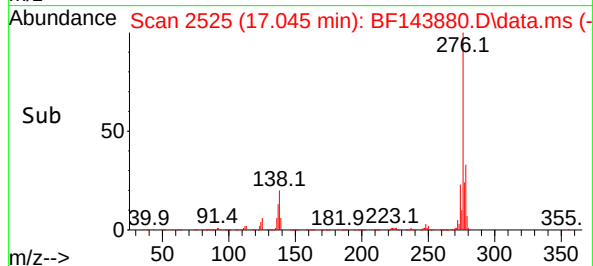
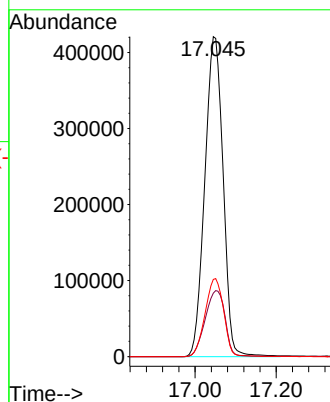
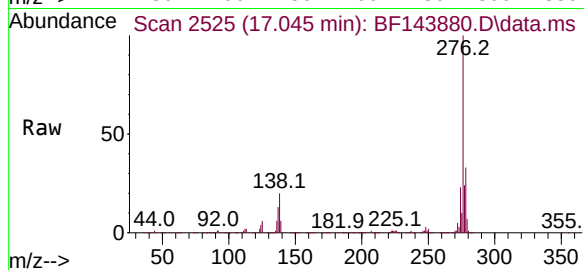
Tgt Ion:276 Resp: 1316167

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

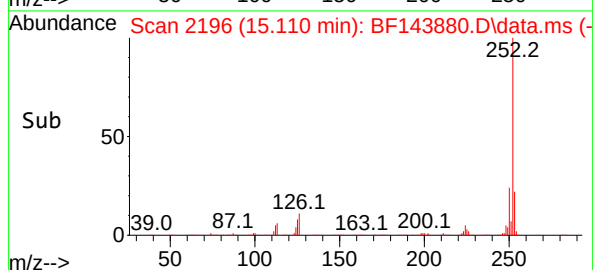
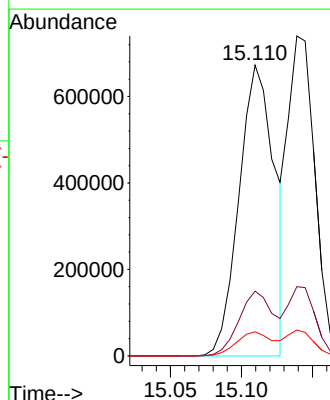
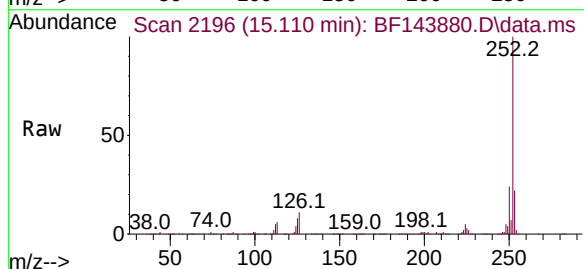
Tgt Ion:252 Resp: 1167220

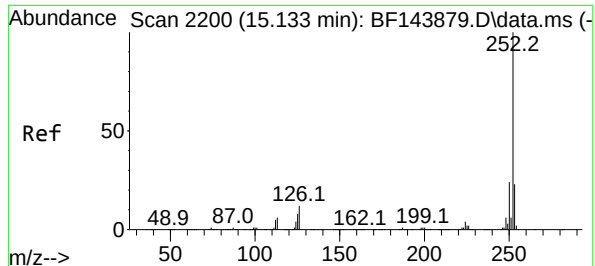
Ion Ratio Lower Upper

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# 2200

Delta R.T. -0.006 min

Lab File: BF143880.D

Acq: 06 Oct 2025 13:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

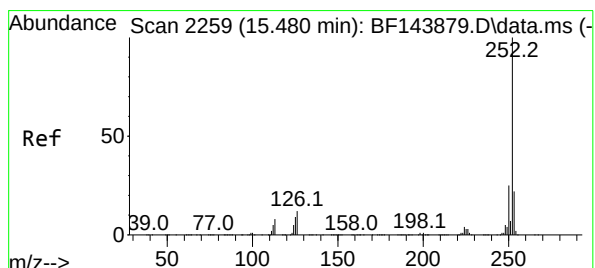
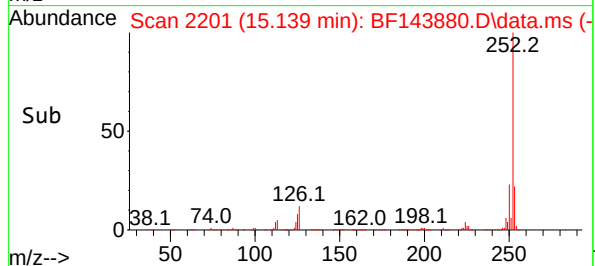
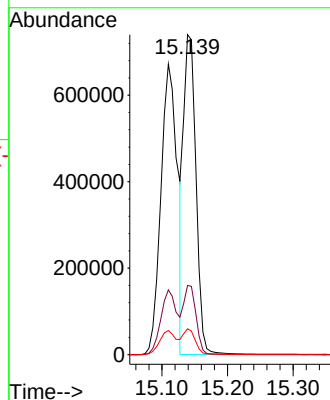
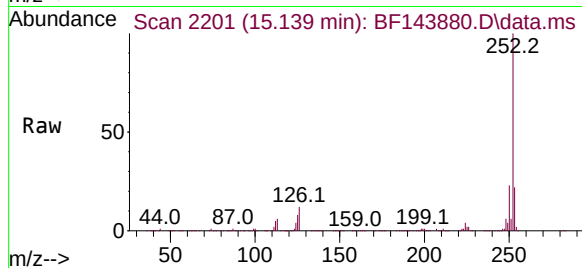
Tgt Ion:252 Resp: 983488

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

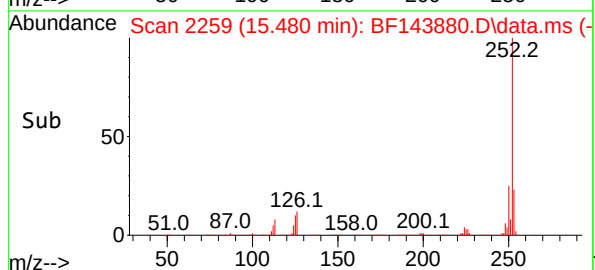
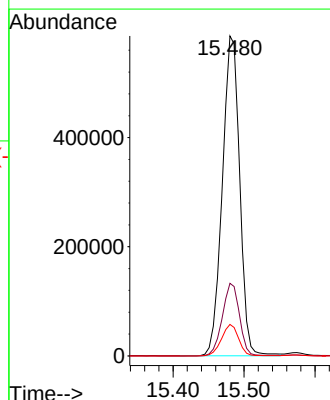
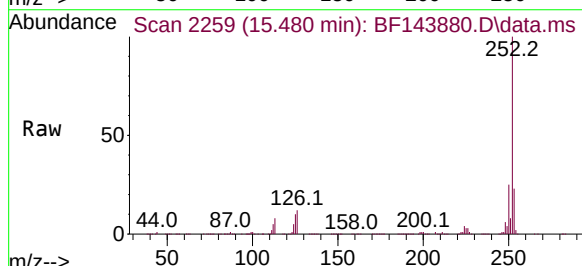
Tgt Ion:252 Resp: 997382

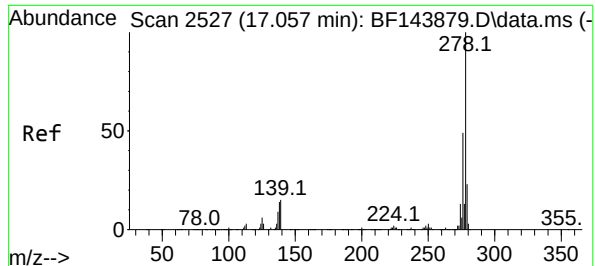
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 9.8 7.0 10.4

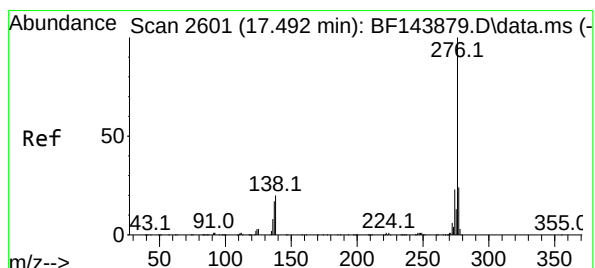
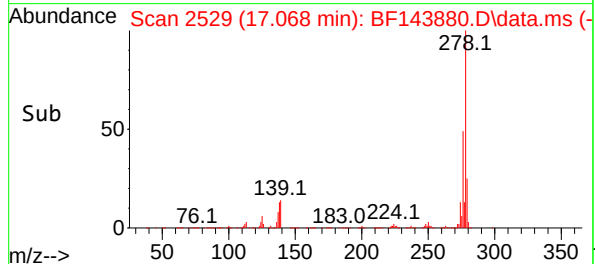
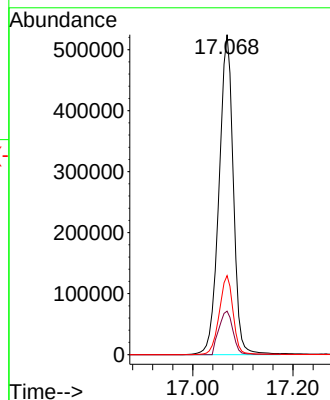
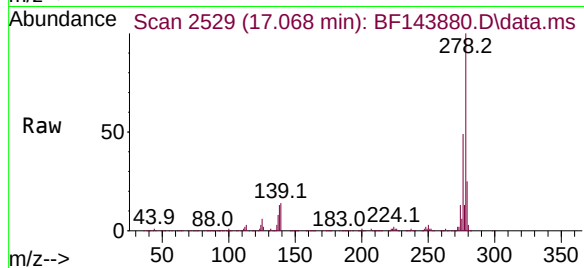




#91
Dibenzo(a,h)anthracene
Concen: 49.457 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

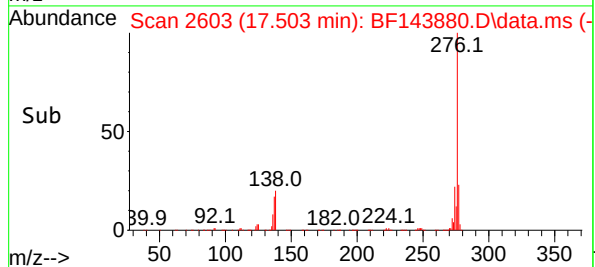
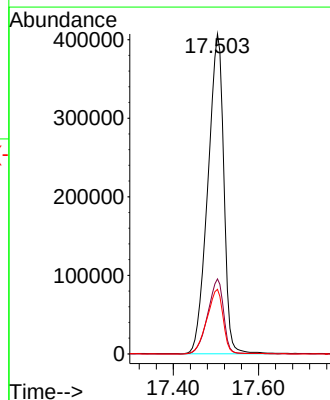
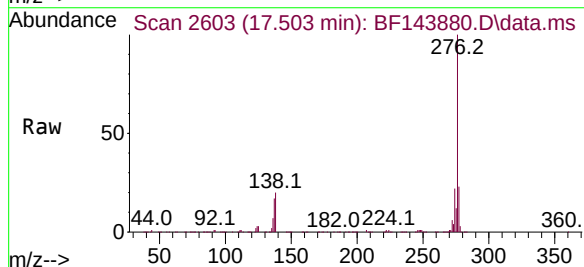
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

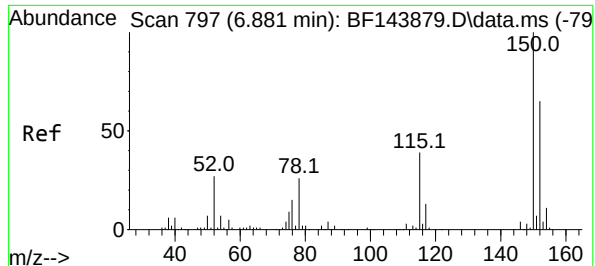
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	345605	56.620	ng	98
46) 1,1'-Biphenyl	9.345	154	1004440	53.040	ng	99
47) 2-Chloronaphthalene	9.375	162	860999	54.531	ng	98
48) 2-Nitroaniline	9.463	65	312884	62.679	ng	99
49) Acenaphthylene	9.786	152	1223951	55.140	ng	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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

- 1
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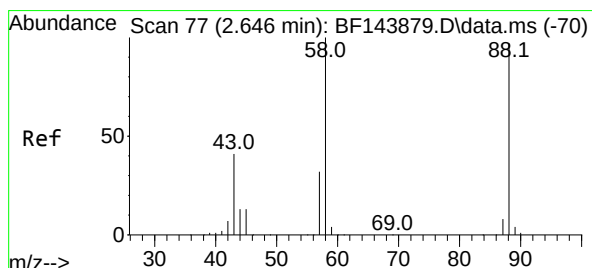
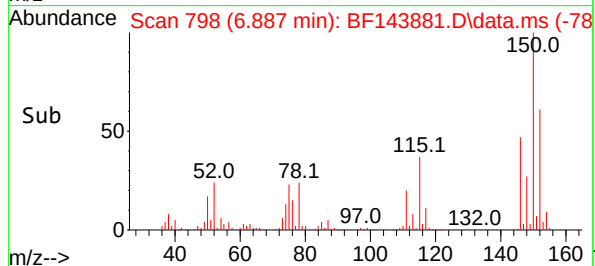
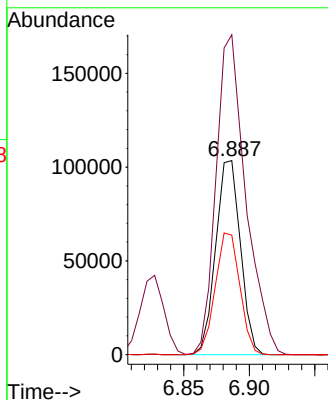
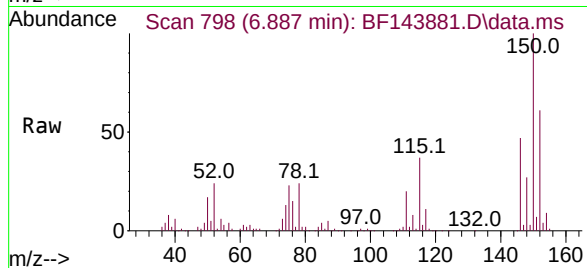




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

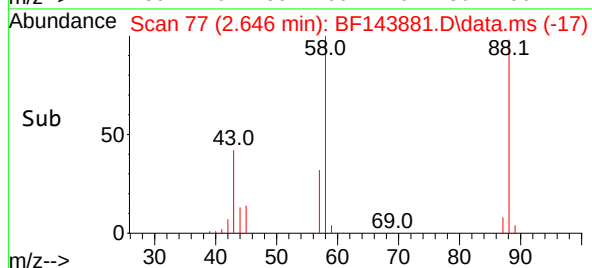
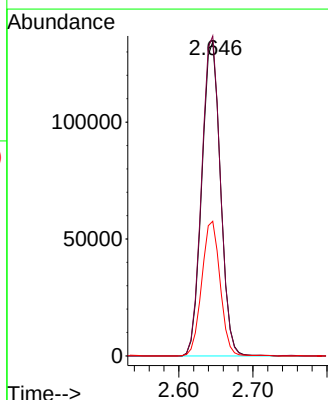
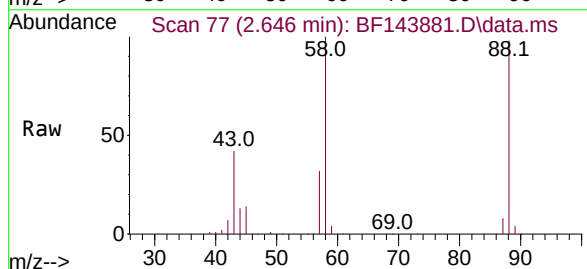
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

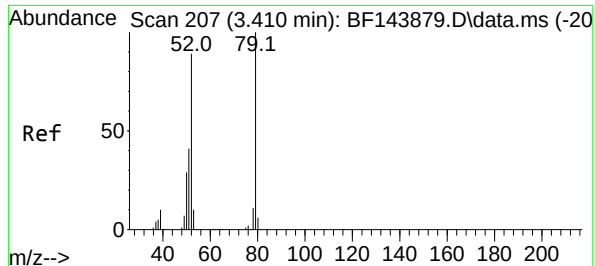
Tgt Ion:152 Resp: 136069
Ion Ratio Lower Upper
152 100
150 165.0 124.4 186.6
115 61.6 48.1 72.1



#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# 207

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

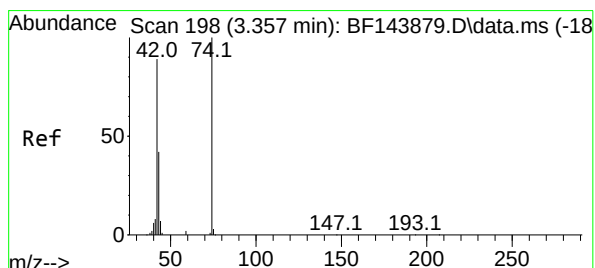
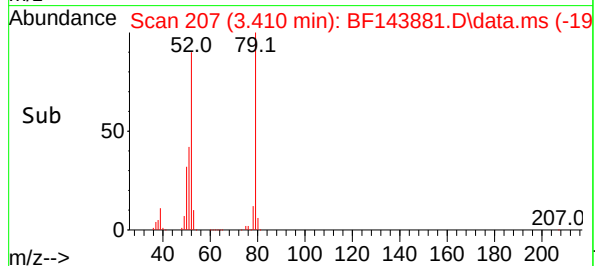
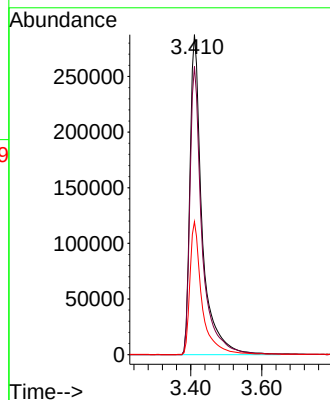
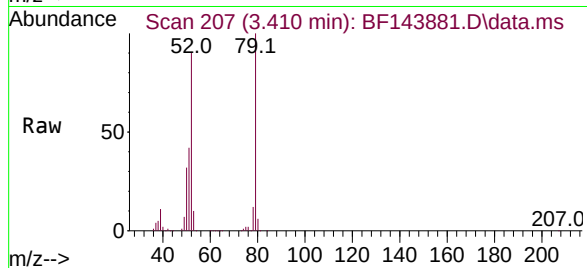
Tgt Ion: 79 Resp: 685786

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

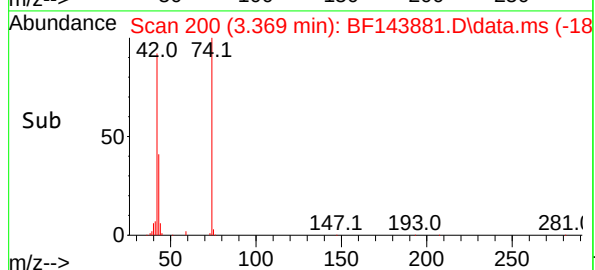
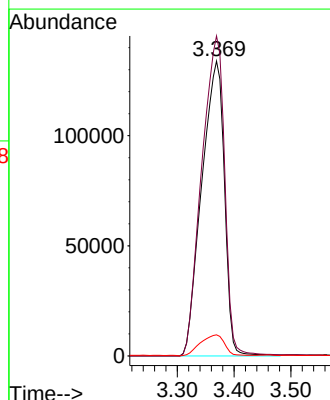
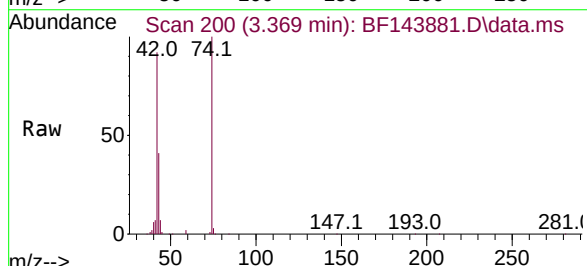
Tgt Ion: 42 Resp: 371223

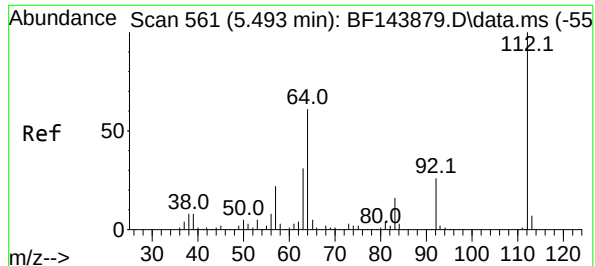
Ion Ratio Lower Upper

42 100

74 108.6 90.0 135.0

44 7.1 6.2 9.2

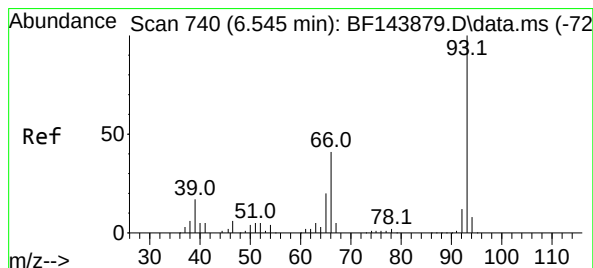
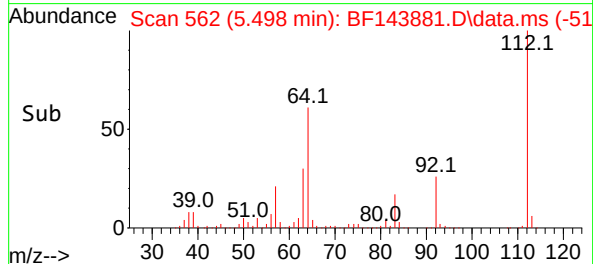
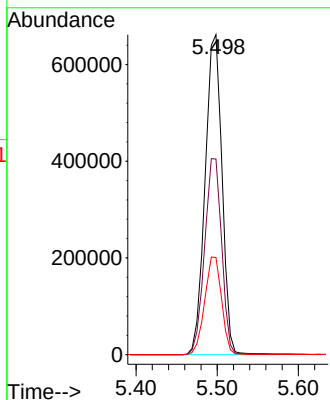
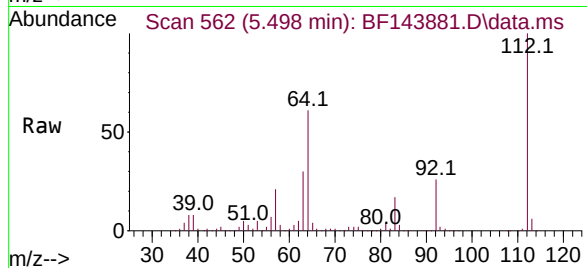




#5
2-Fluorophenol
Concen: 112.181 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

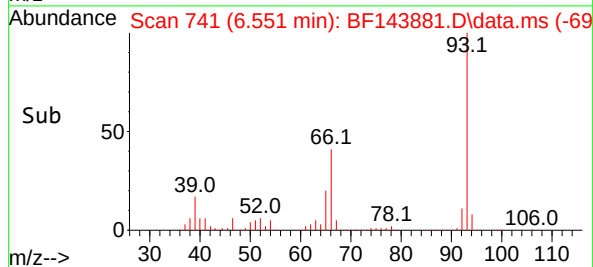
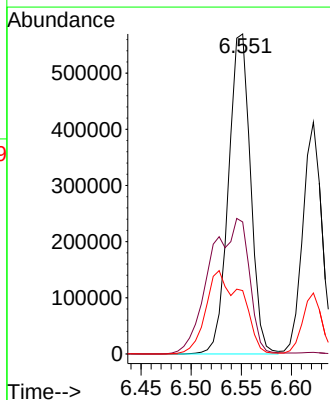
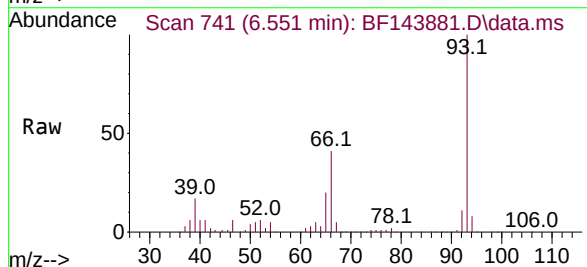
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BNA_F
ClientSampleId :
SSTDICC060

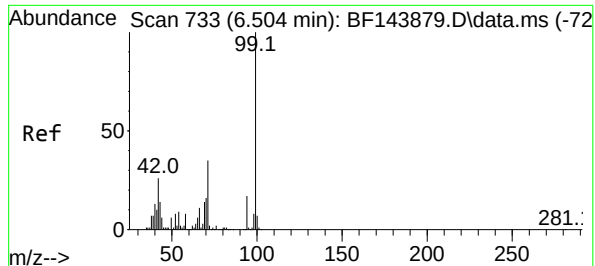
Tgt Ion:112 Resp: 961239
Ion Ratio Lower Upper
112 100
64 61.1 49.1 73.7
63 30.4 24.5 36.7



#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

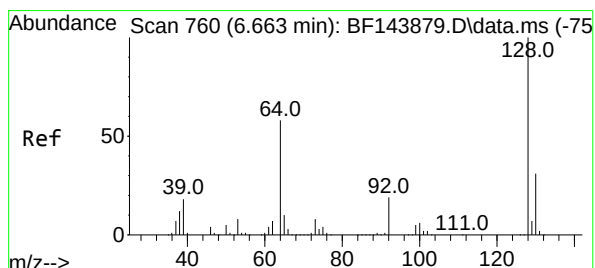
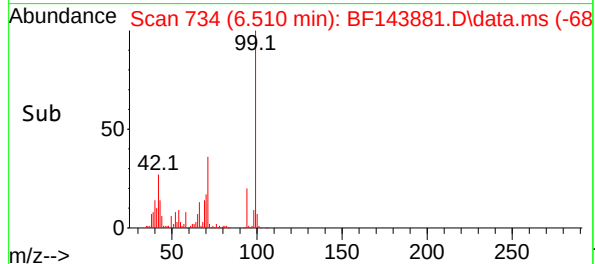
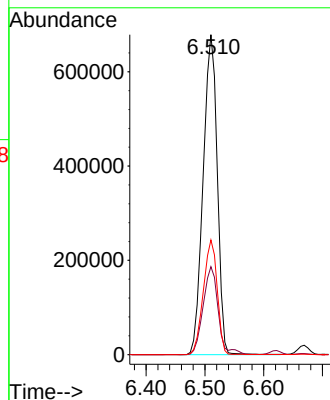
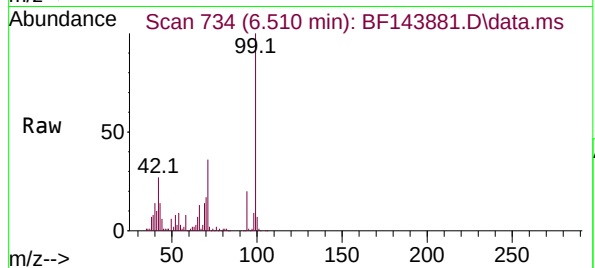




#7
Phenol-d6
Concen: 110.899 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

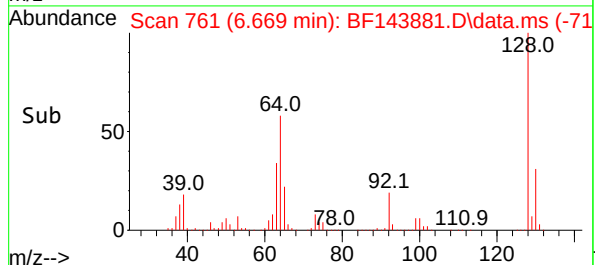
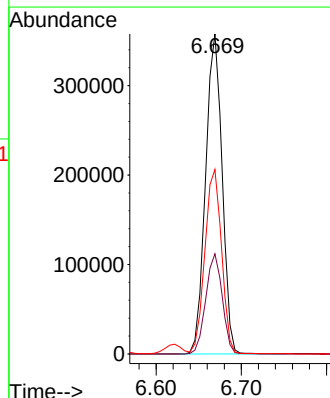
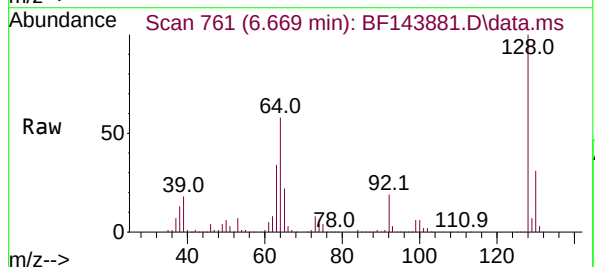
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

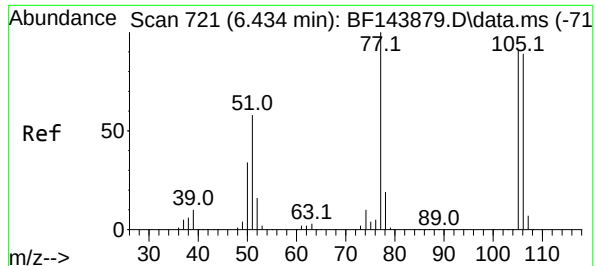
Tgt Ion: 99 Resp: 1132663
Ion Ratio Lower Upper
99 100
42 27.5 21.0 31.4
71 35.8 27.8 41.8



#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

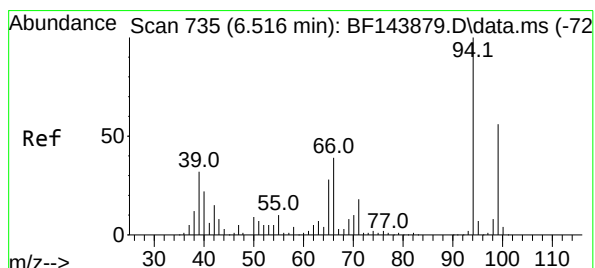
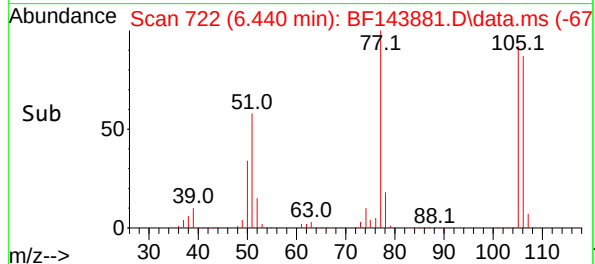
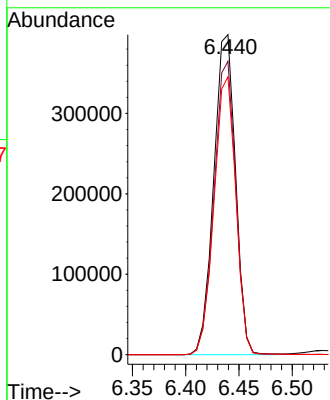
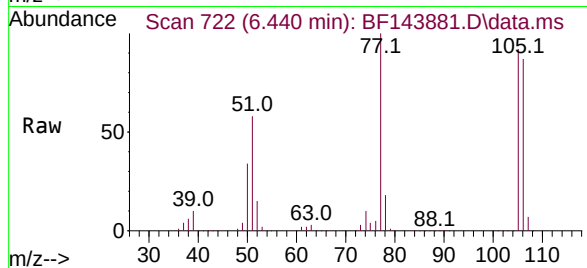




#9
Benzaldehyde
Concen: 71.995 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

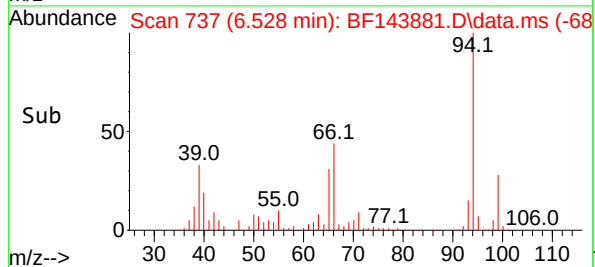
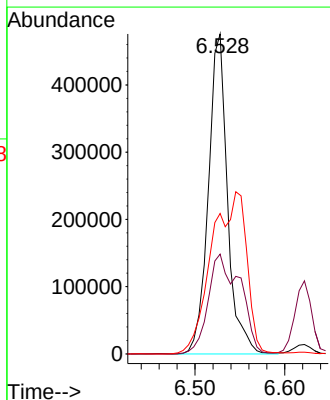
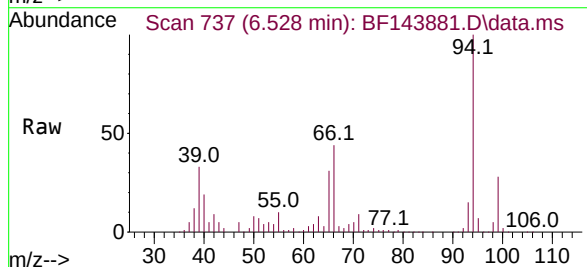
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

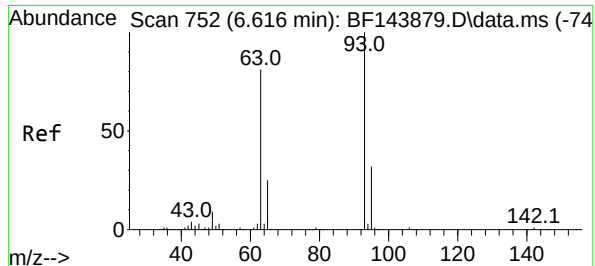
Tgt Ion: 77 Resp: 567228
Ion Ratio Lower Upper
77 100
105 91.6 70.9 110.9
106 86.8 68.9 108.9



#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

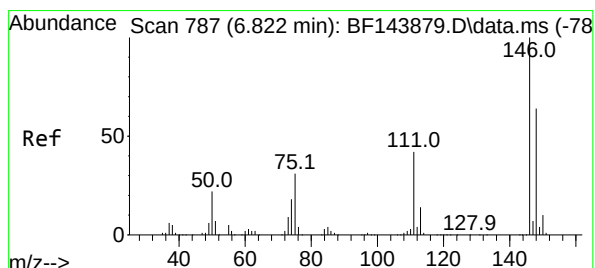
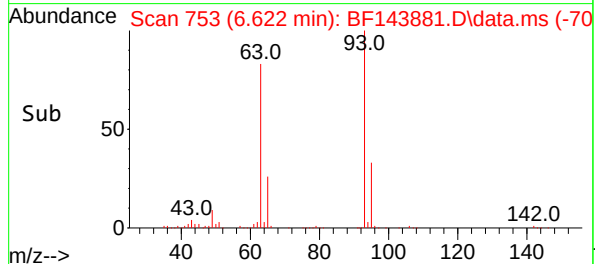
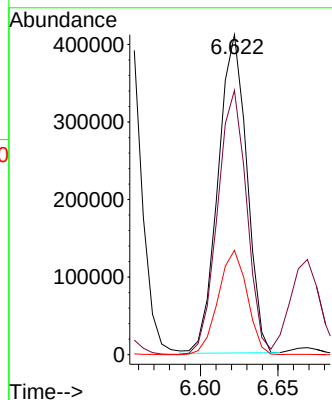
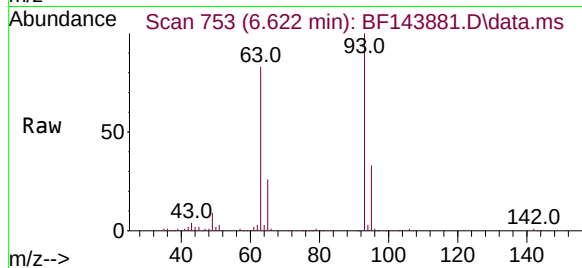




#11
bis(2-Chloroethyl)ether
Concen: 56.337 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

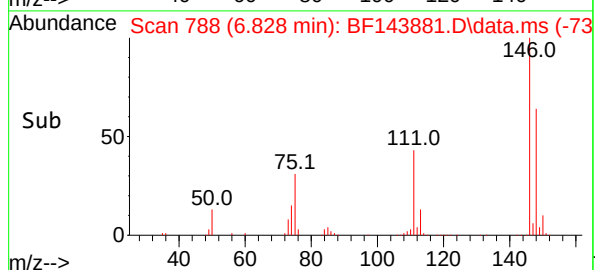
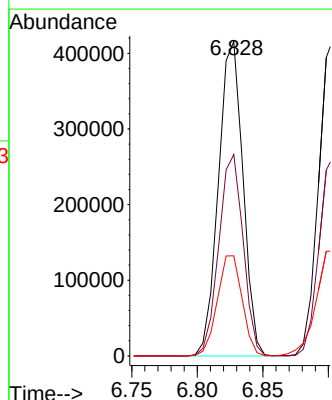
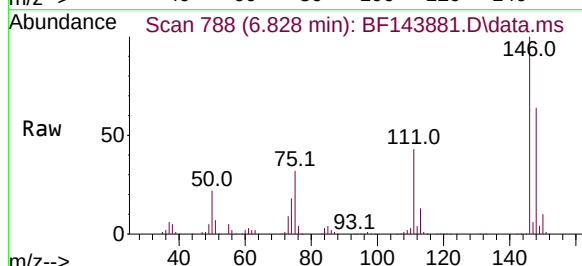
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

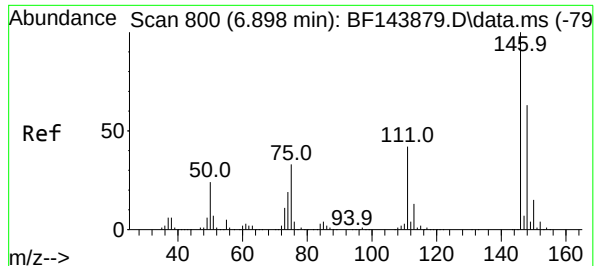
Tgt Ion: 93	Resp: 531386
Ion Ratio	Lower Upper
93	100
63	82.6 60.9 100.9
95	32.6 11.5 51.5



#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# 800

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

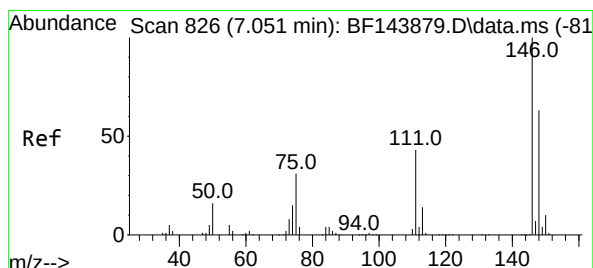
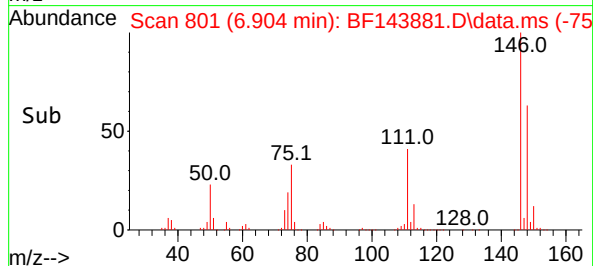
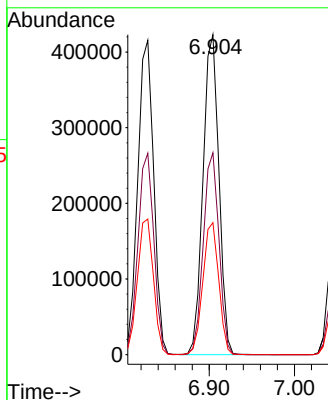
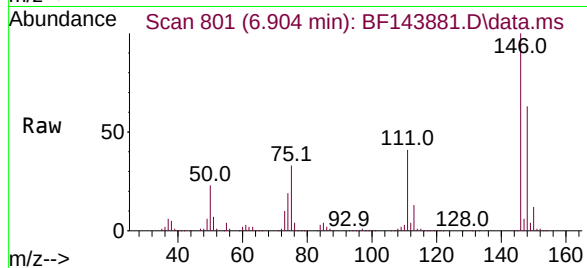
Tgt Ion:146 Resp: 547027

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

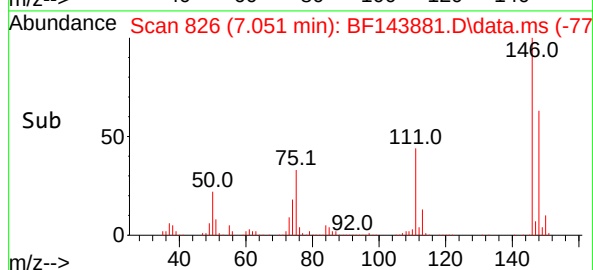
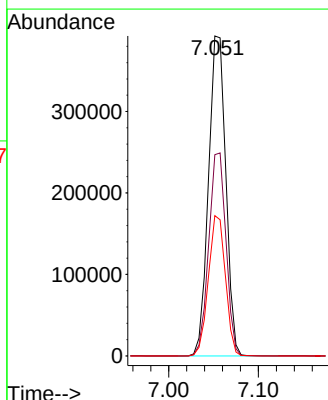
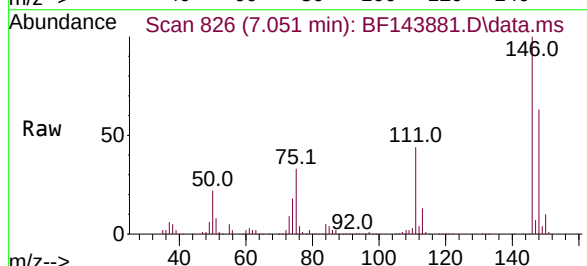
Tgt Ion:146 Resp: 525807

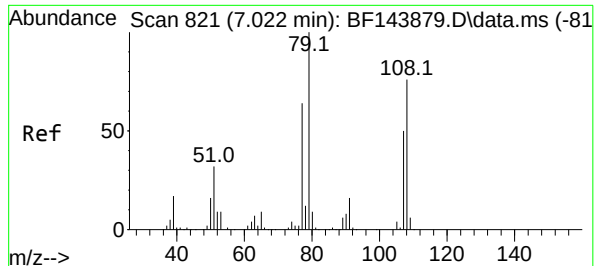
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

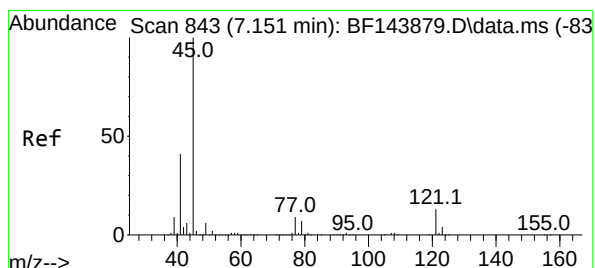
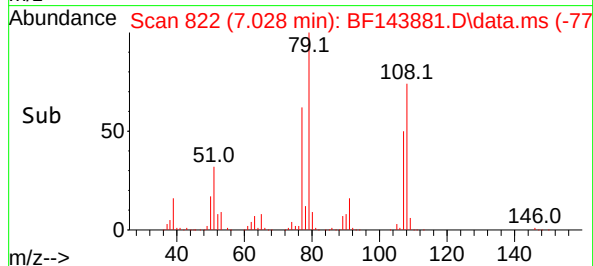
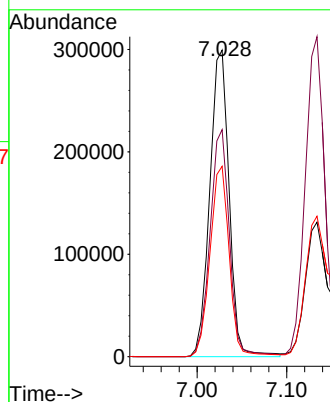
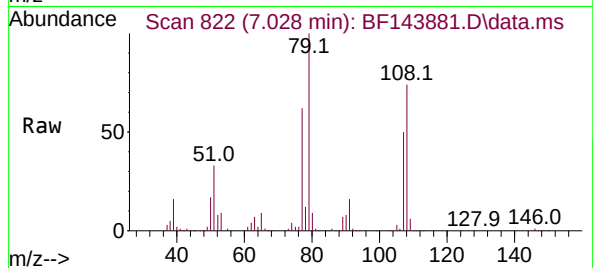
Tgt Ion: 79 Resp: 450578

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

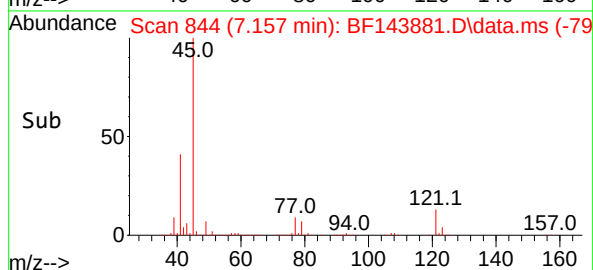
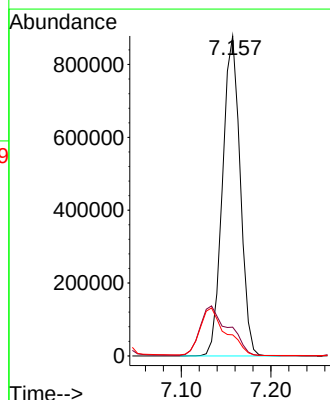
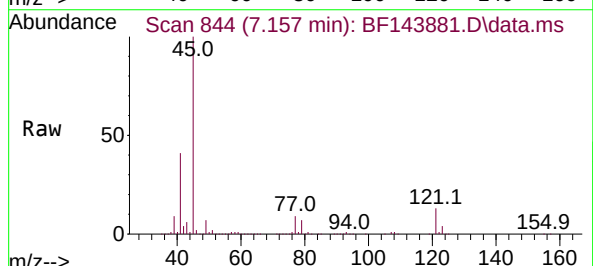
Tgt Ion: 45 Resp: 1202366

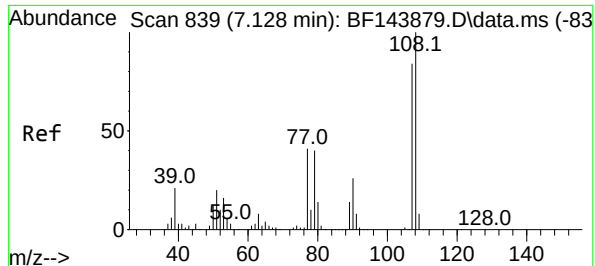
Ion Ratio Lower Upper

45 100

77 9.0 0.0 29.0

79 6.6 0.0 26.8



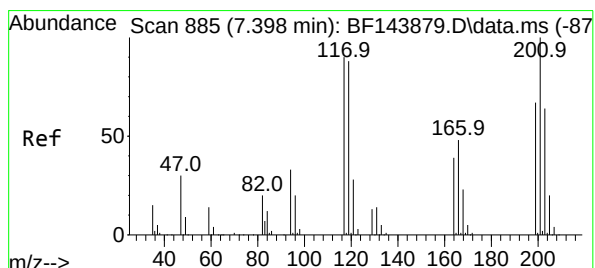
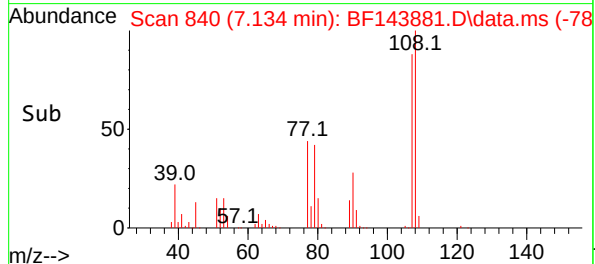
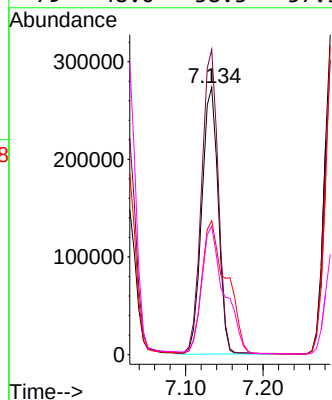
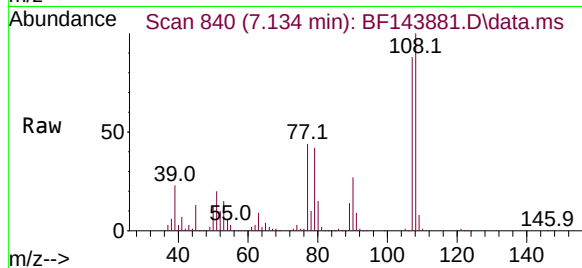


#17
2-Methylphenol
Concen: 58.170 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 402660

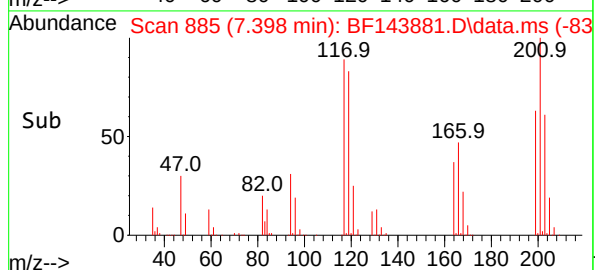
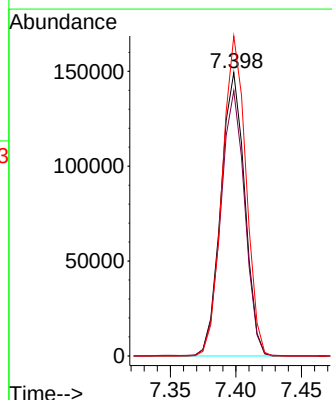
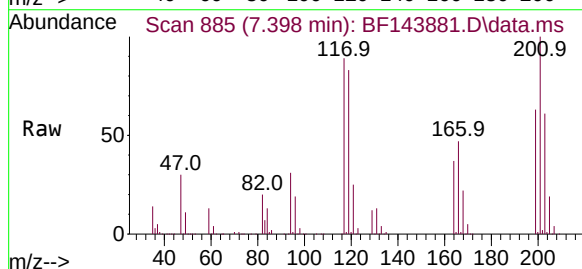
Ion	Ratio	Lower	Upper
107	100		
108	114.2	94.7	142.1
77	50.1	38.8	58.2
79	48.0	38.3	57.5

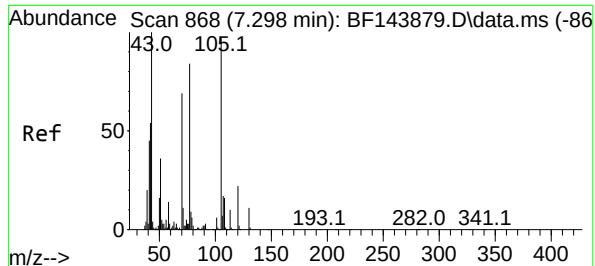


#18
Hexachloroethane
Concen: 57.373 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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# 869

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

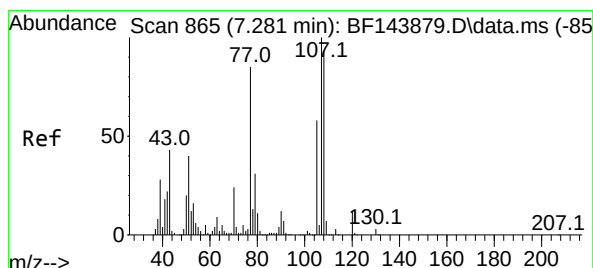
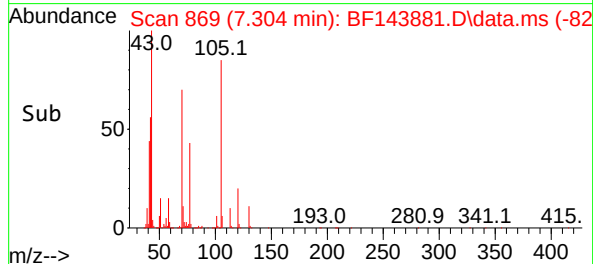
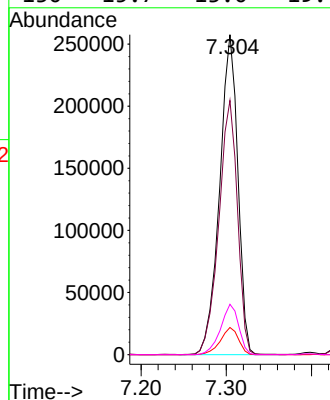
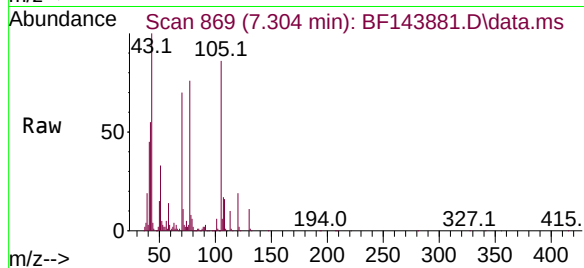
Ion Ratio Lower Upper

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

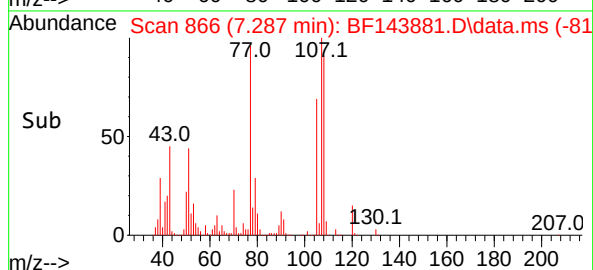
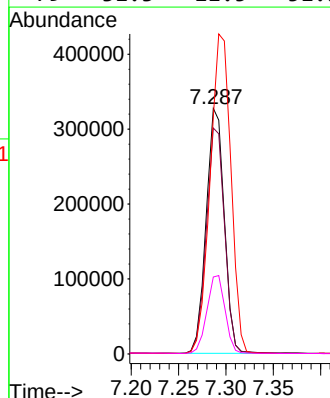
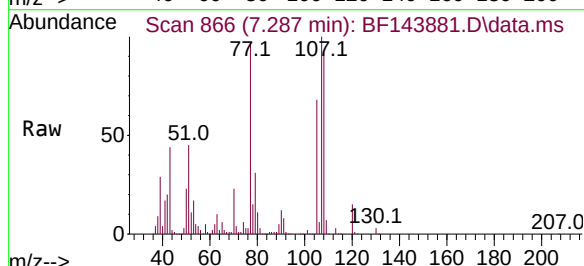
Ion Ratio Lower Upper

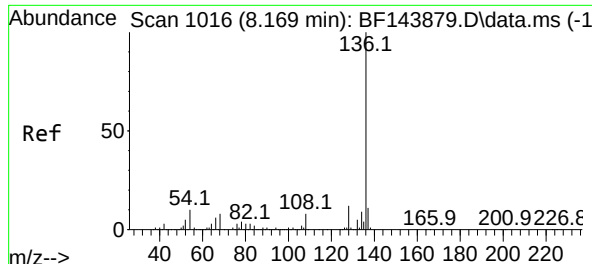
107 100

108 92.0 73.0 113.0

77 96.5 64.6 104.6

79 31.3 11.5 51.5



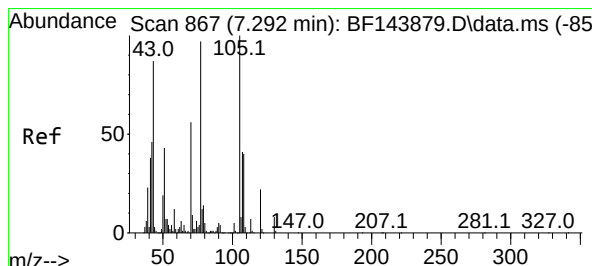
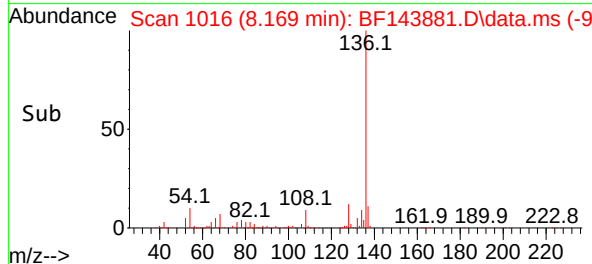
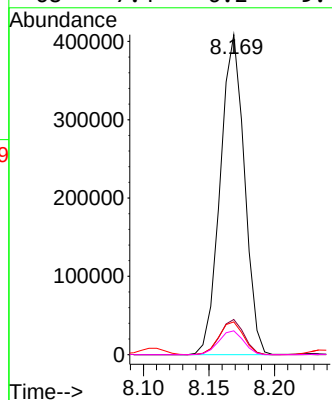
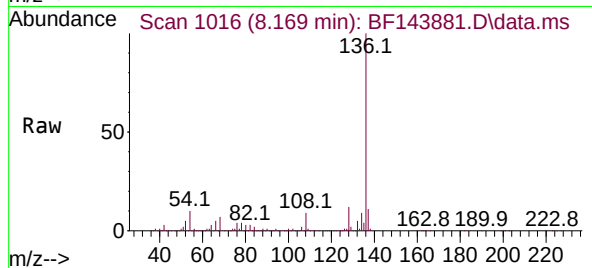


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 524164

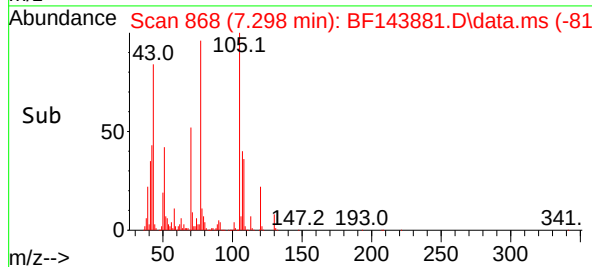
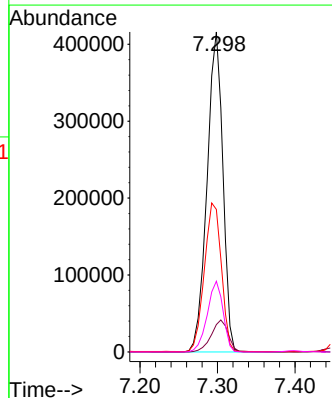
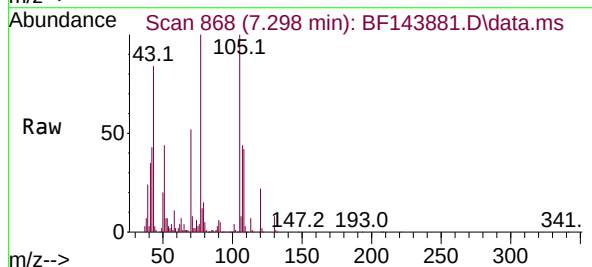
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.2	8.2	12.4
68	7.4	6.2	9.4

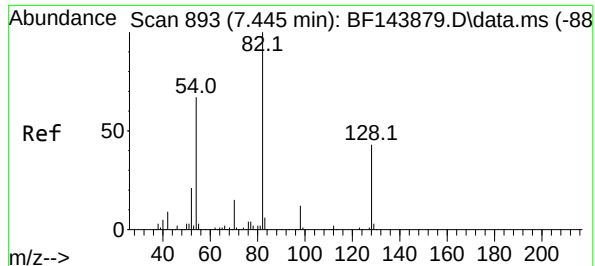


#22
Acetophenone
Concen: 53.189 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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# 894

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

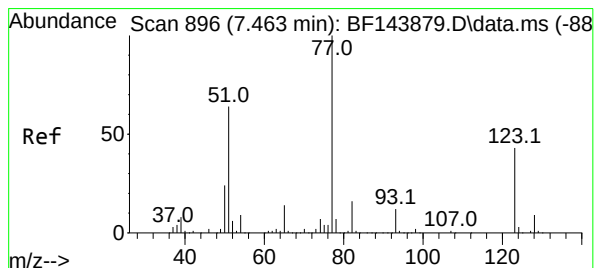
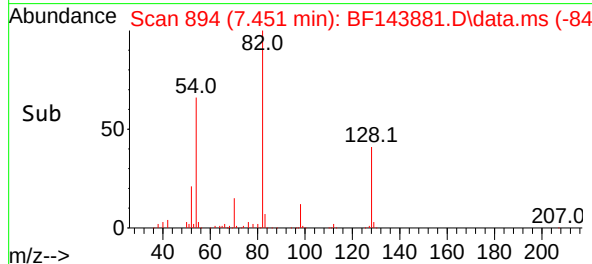
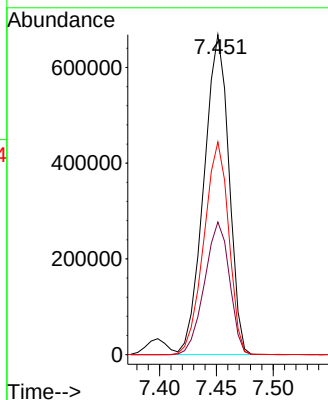
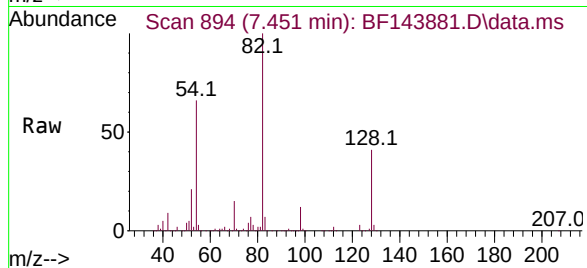
BNA_F

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

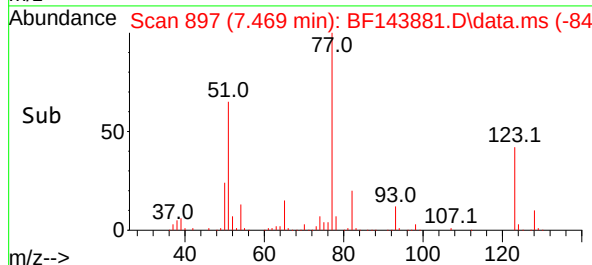
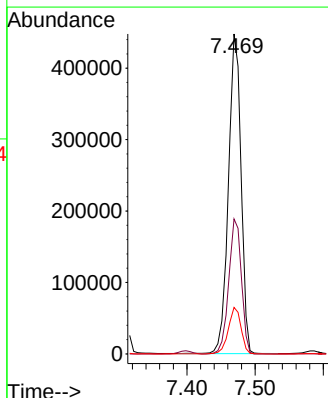
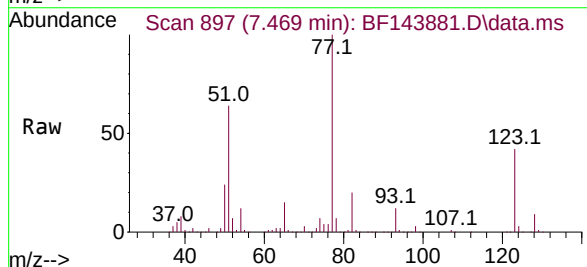
Delta R.T. -0.006 min

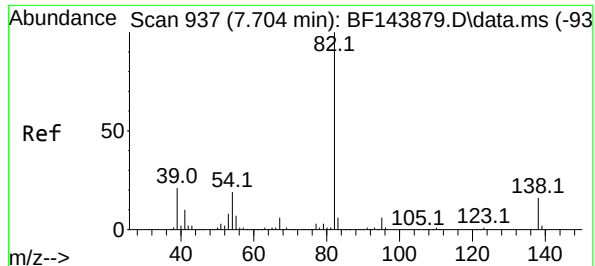
Lab File: BF143881.D

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

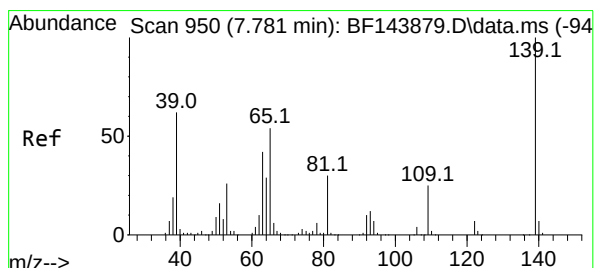
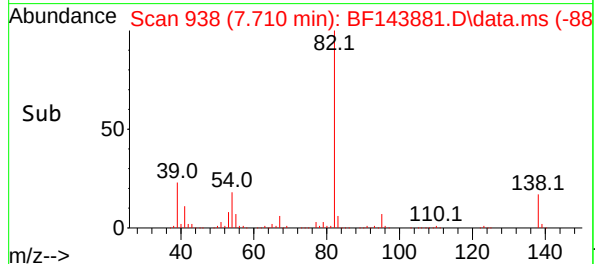
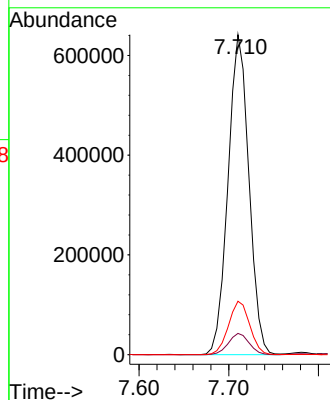
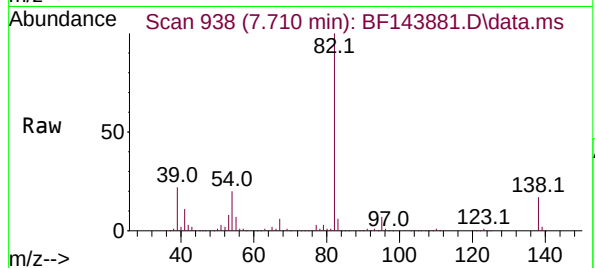




#25
Isophorone
Concen: 57.290 ng
RT: 7.710 min Scan# 937
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

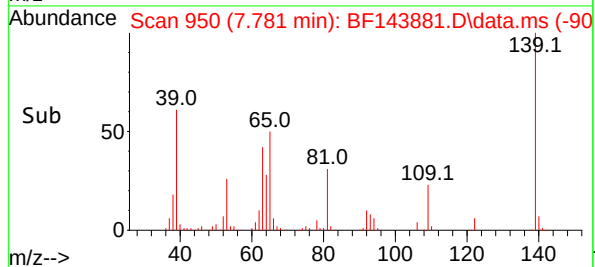
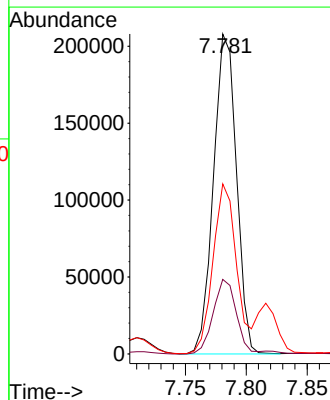
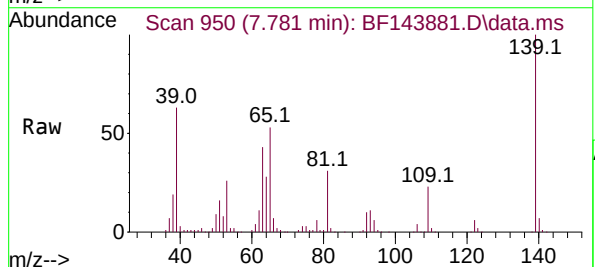
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

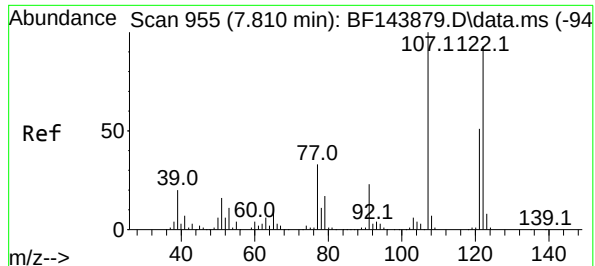
Tgt Ion: 82 Resp: 1042198
Ion Ratio Lower Upper
82 100
95 6.6 5.1 7.7
138 16.7 12.9 19.3



#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# 91

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

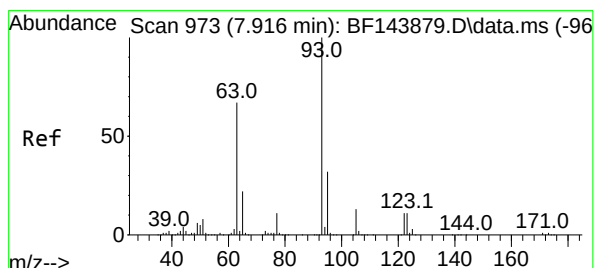
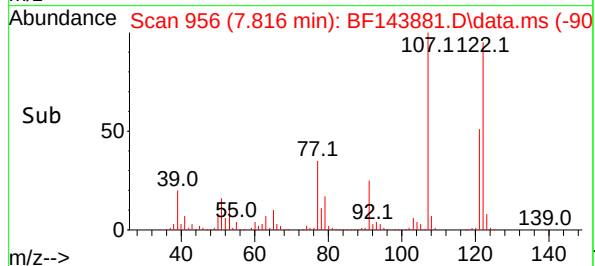
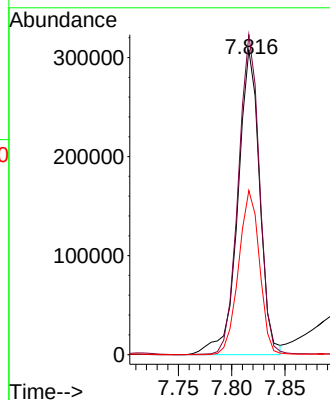
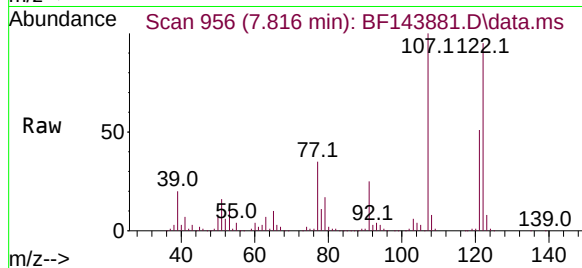
Tgt Ion:122 Resp: 437344

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

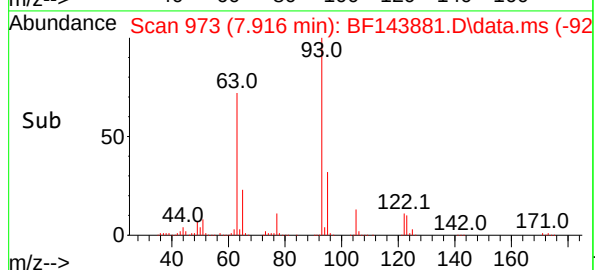
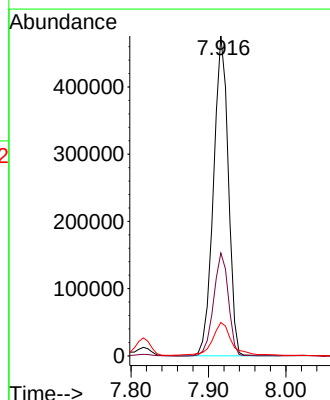
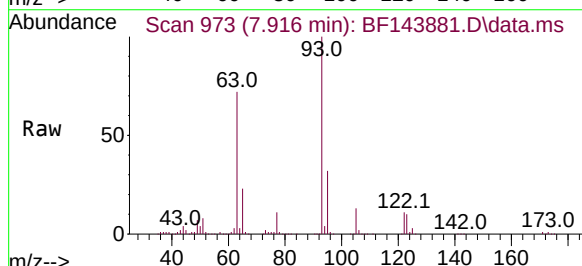
Tgt Ion: 93 Resp: 631066

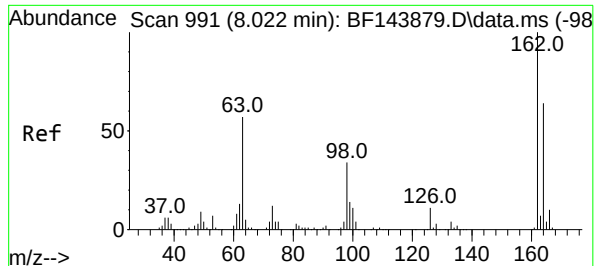
Ion Ratio Lower Upper

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# 991

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

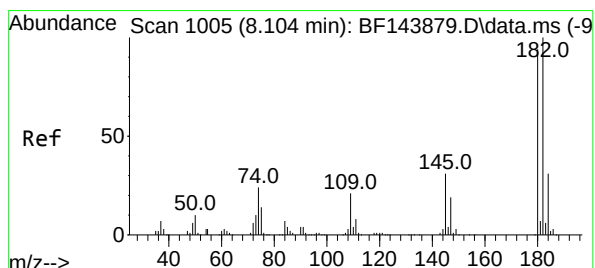
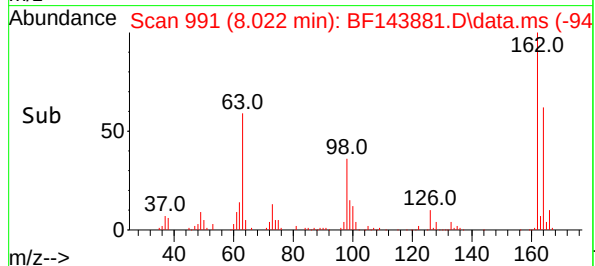
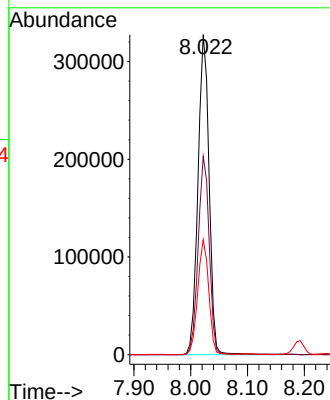
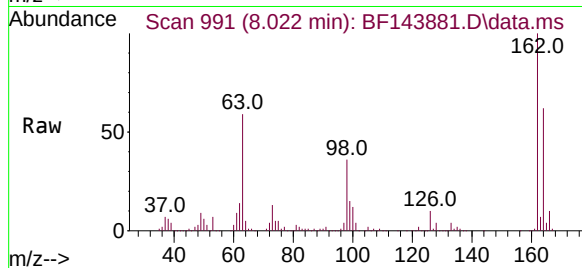
Tgt Ion:162 Resp: 442749

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

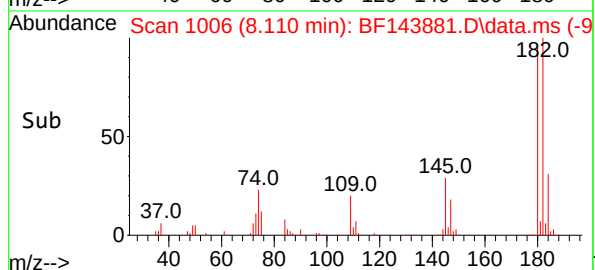
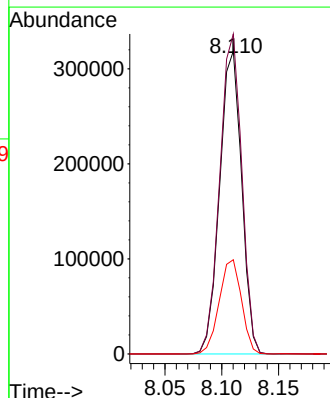
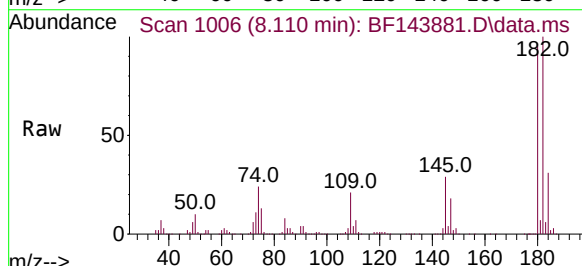
Tgt Ion:180 Resp: 428102

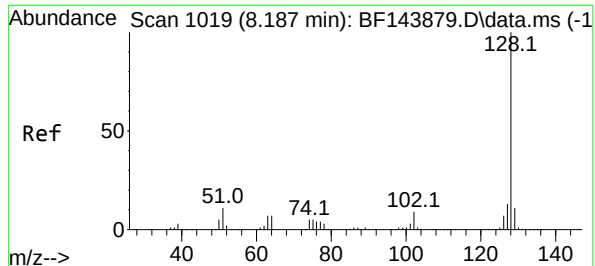
Ion Ratio Lower Upper

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

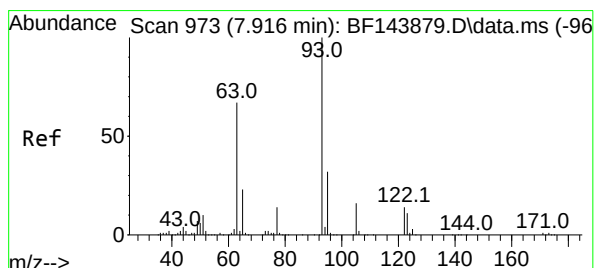
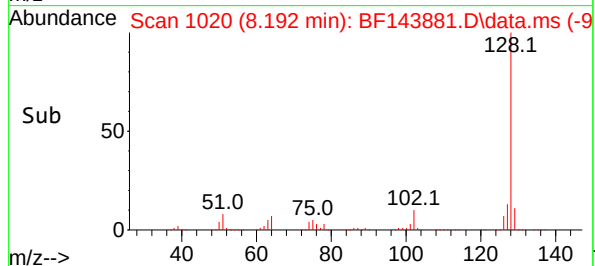
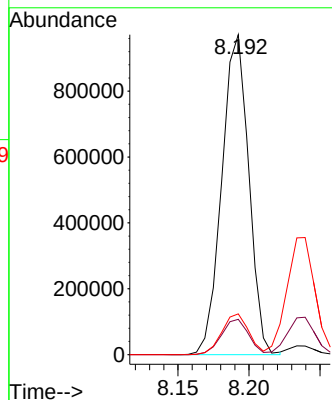
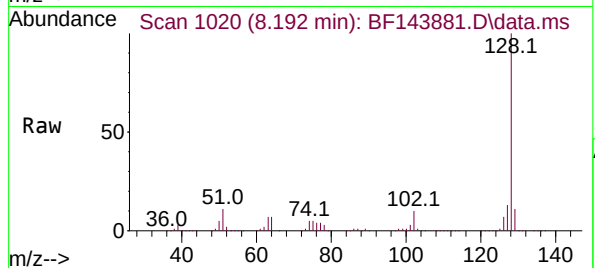
Tgt Ion:128 Resp: 1284573

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

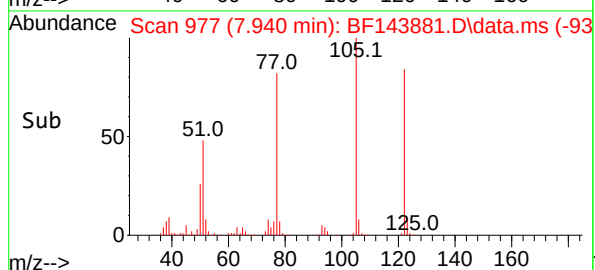
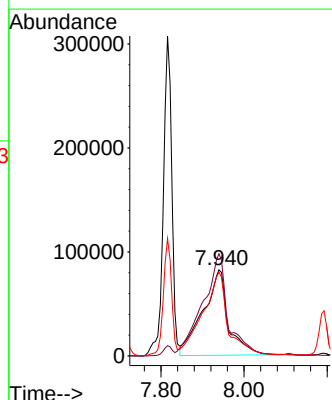
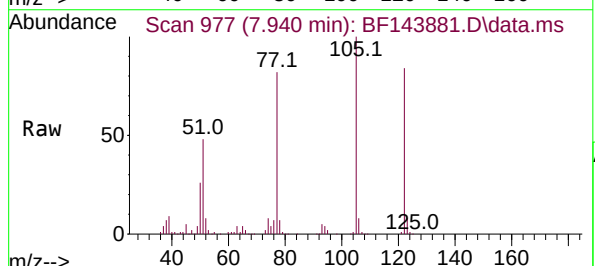
Tgt Ion:122 Resp: 348955

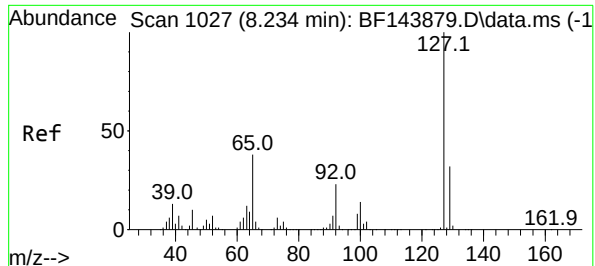
Ion Ratio Lower Upper

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# 1028

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

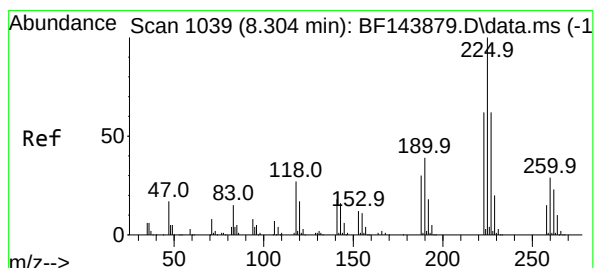
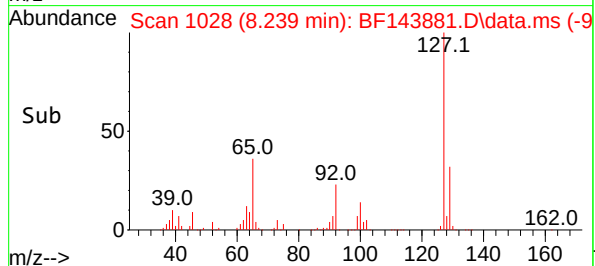
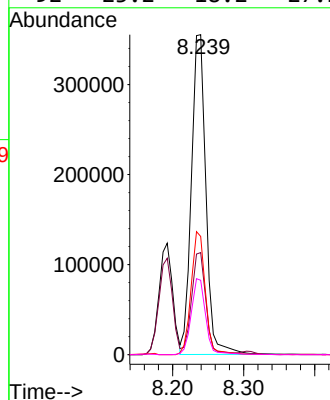
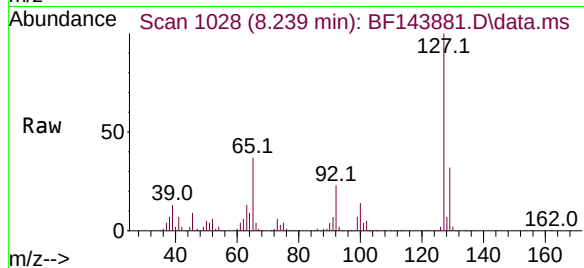
Ion Ratio Lower Upper

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

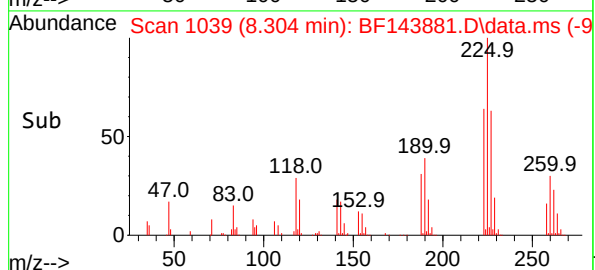
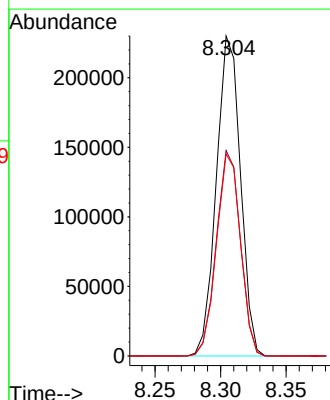
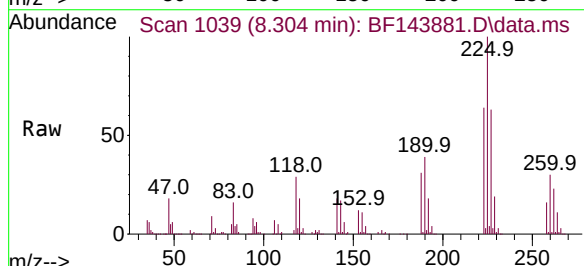
Tgt Ion:225 Resp: 294507

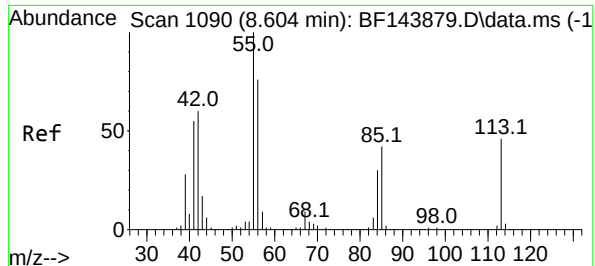
Ion Ratio Lower Upper

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# 1090

Delta R.T. -0.023 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

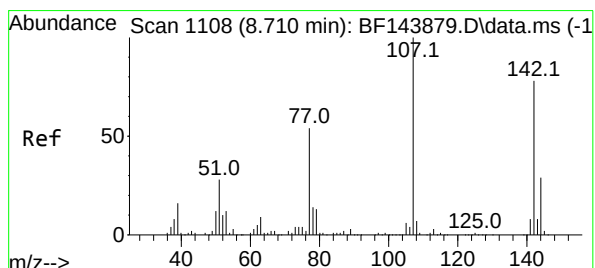
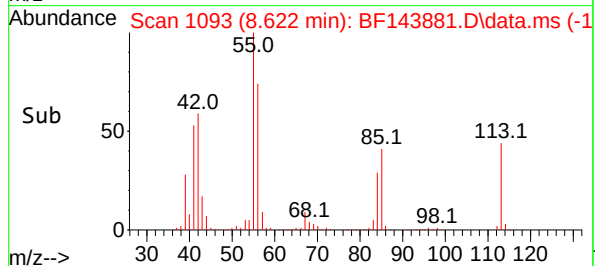
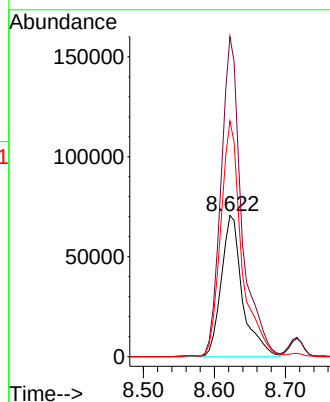
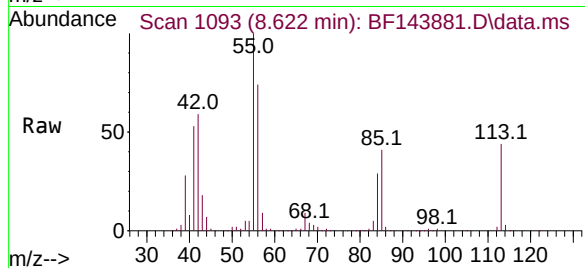
Tgt Ion:113 Resp: 146970

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

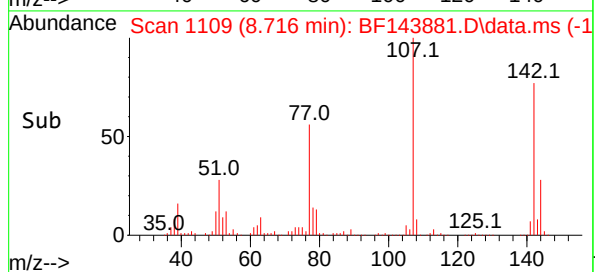
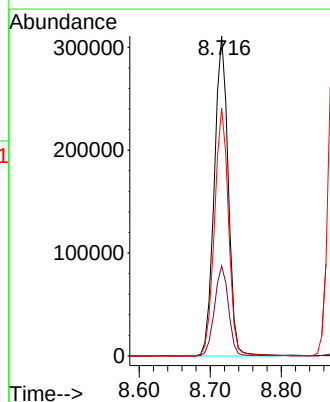
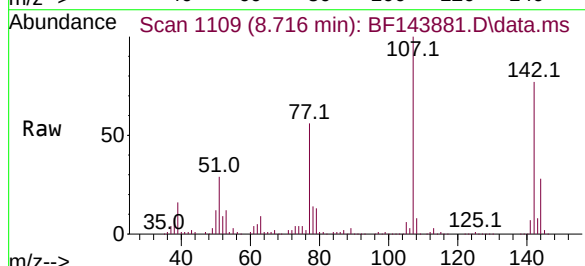
Tgt Ion:107 Resp: 423904

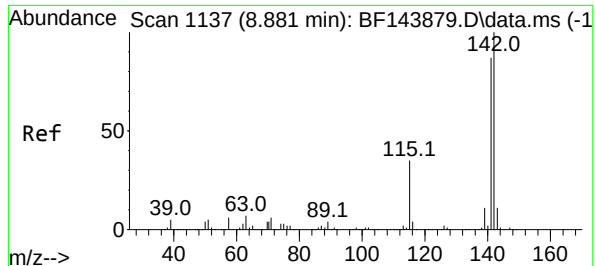
Ion Ratio Lower Upper

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# 1137

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

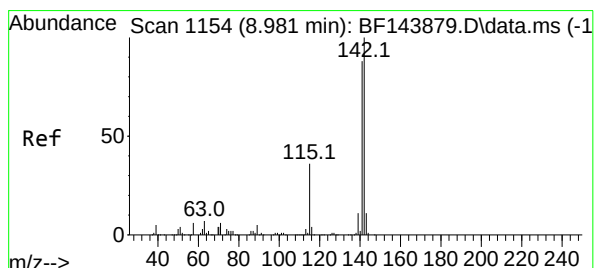
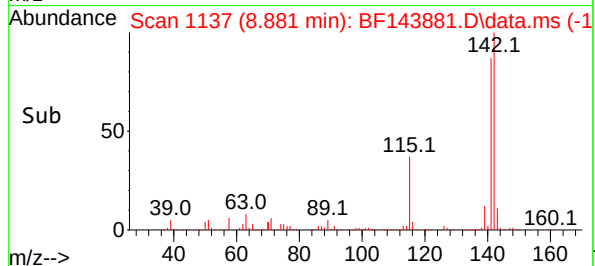
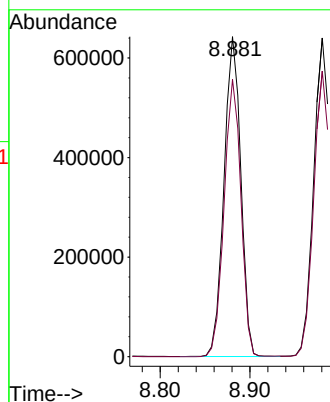
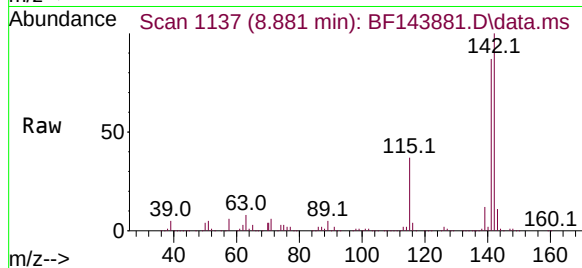
SSTDICC060

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

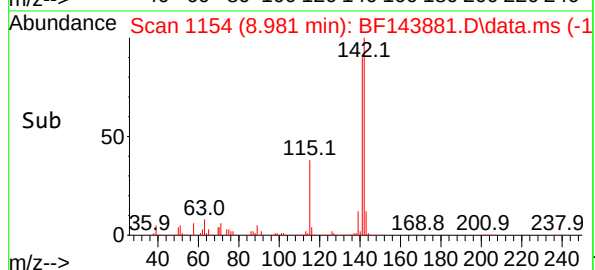
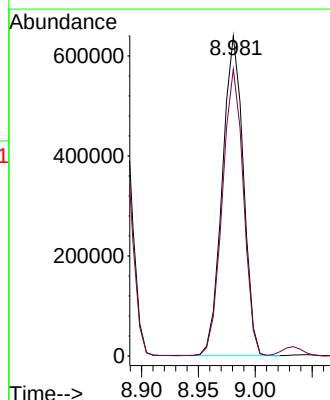
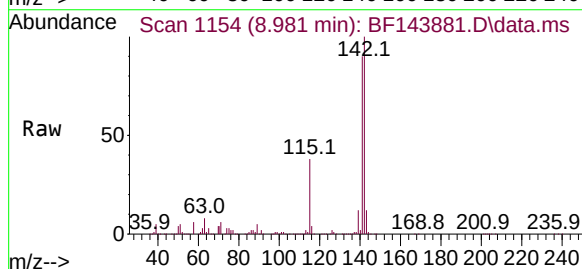
Acq: 06 Oct 2025 13:53

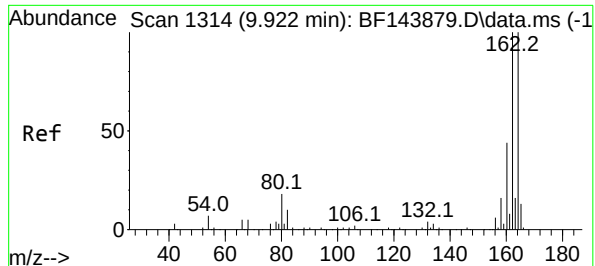
Tgt Ion:142 Resp: 822755

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# 1314

Delta R.T. -0.005 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

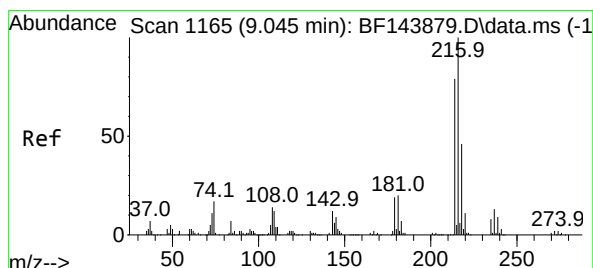
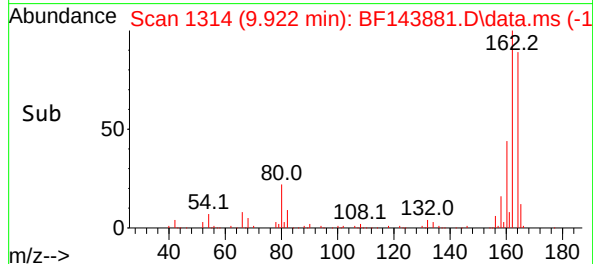
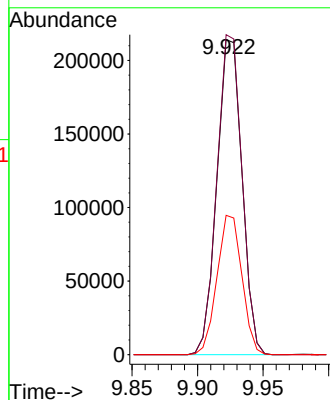
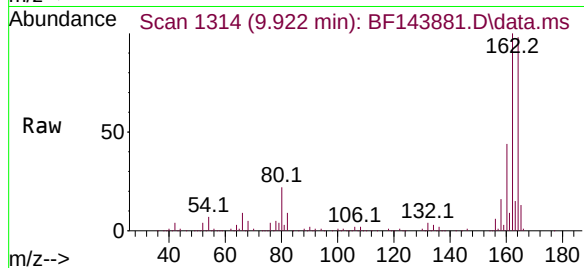
Tgt Ion:164 Resp: 286024

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

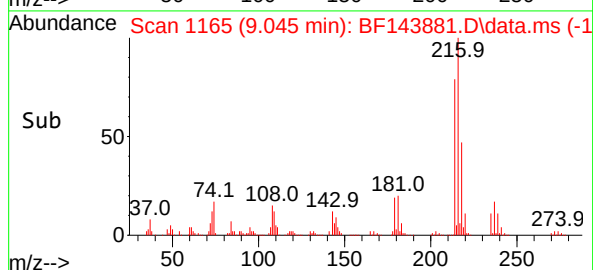
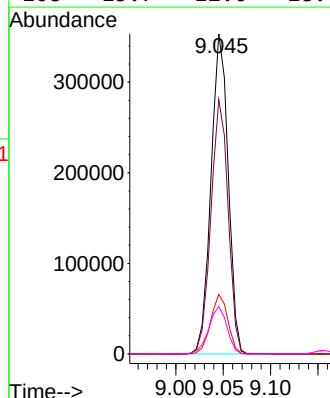
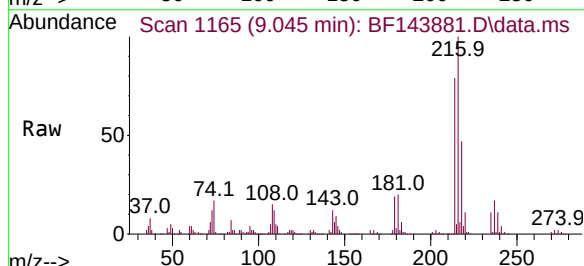
Ion Ratio Lower Upper

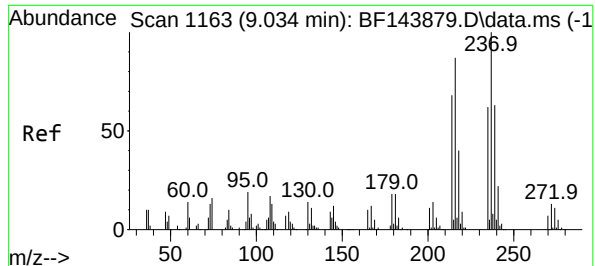
216 100

214 79.6 62.6 94.0

179 18.5 15.4 23.0

108 15.7 12.0 18.0

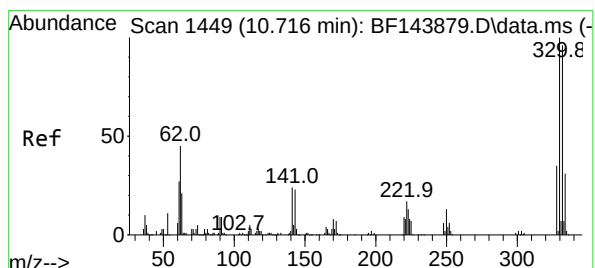
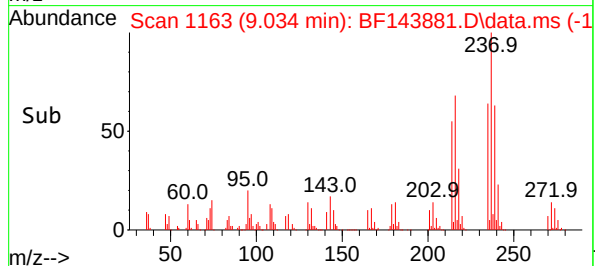
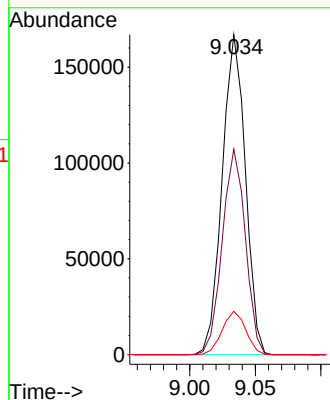
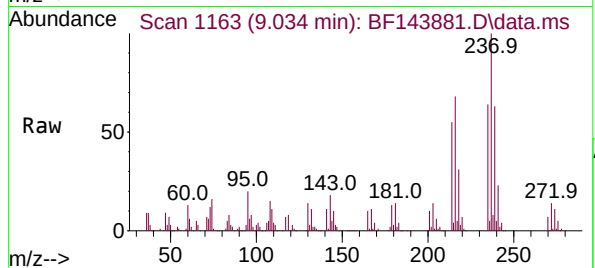




#41
Hexachlorocyclopentadiene
Concen: 62.806 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

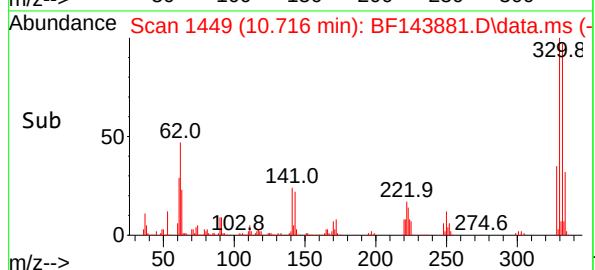
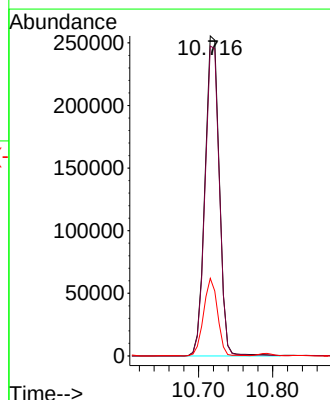
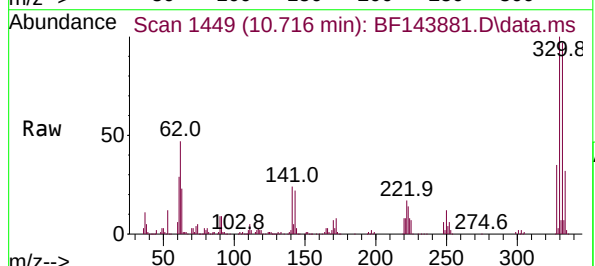
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

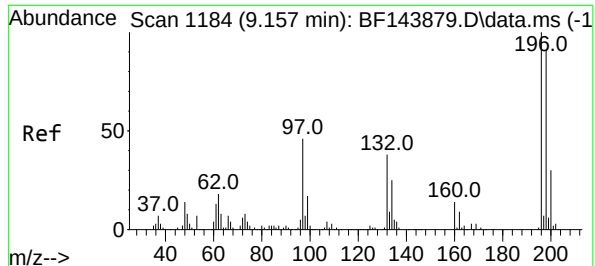
Tgt Ion: 237 Resp: 205978
Ion Ratio Lower Upper
237 100
235 64.2 42.3 82.3
272 13.5 0.0 33.1



#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# 1184

Delta R.T. -0.006 min

Lab File: BF143881.D

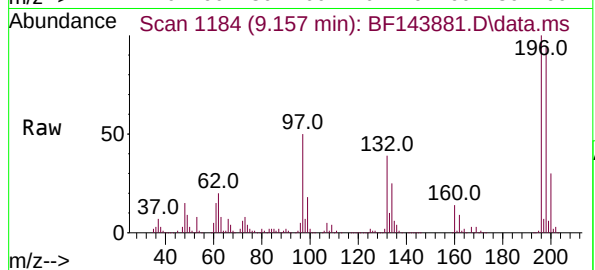
Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



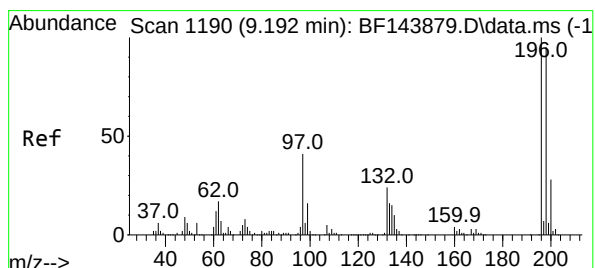
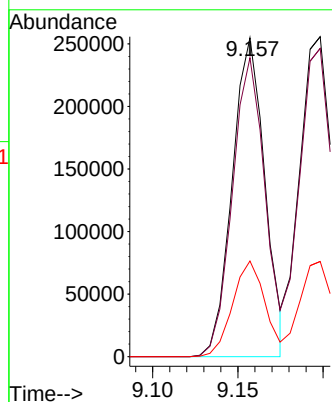
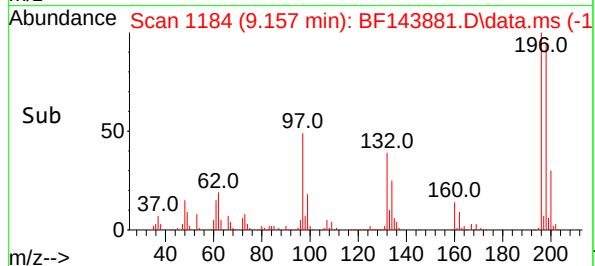
Tgt Ion:196 Resp: 338809

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

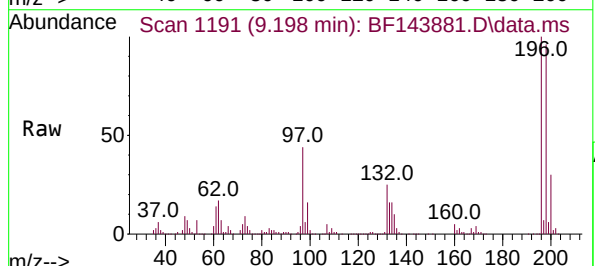
Concen: 56.620 ng

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

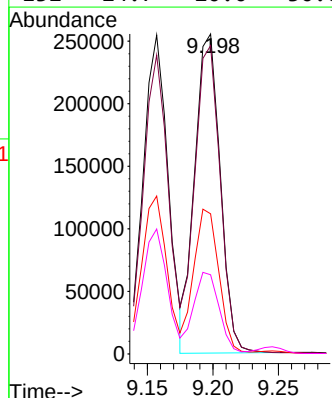
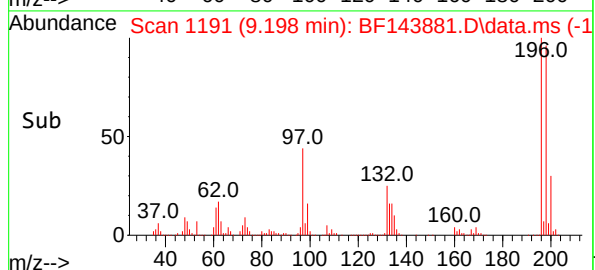
Ion Ratio Lower Upper

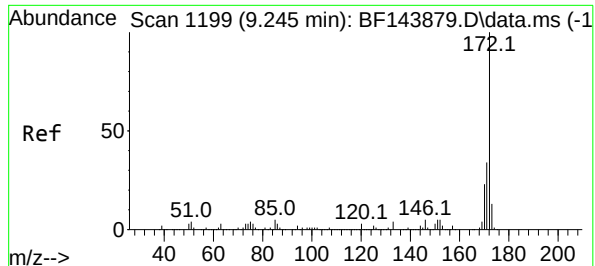
196 100

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# 1199

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

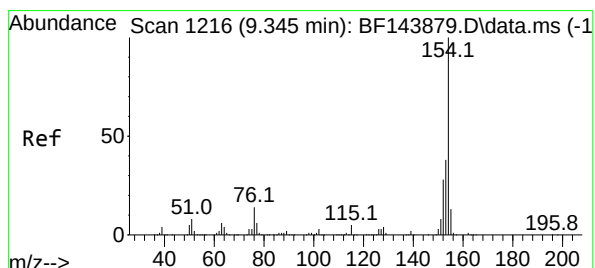
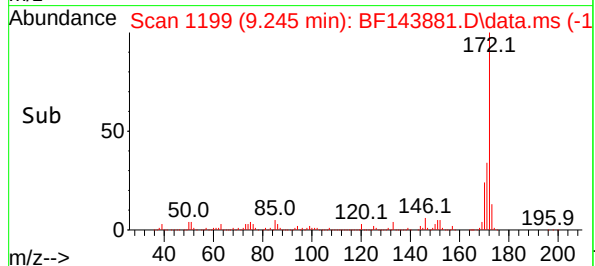
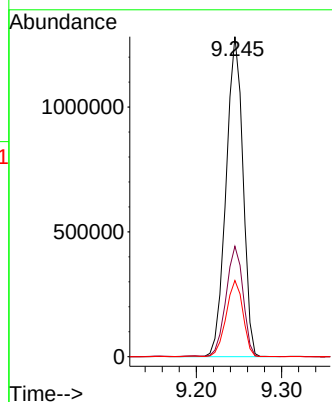
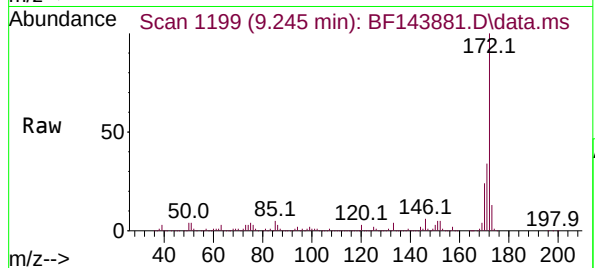
Tgt Ion:172 Resp: 1764203

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

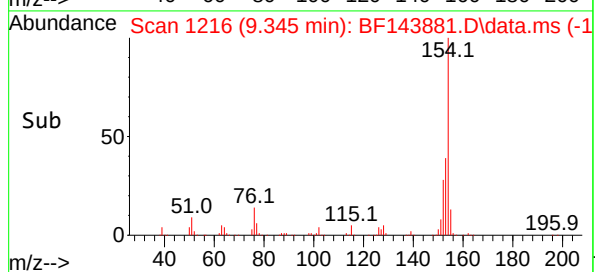
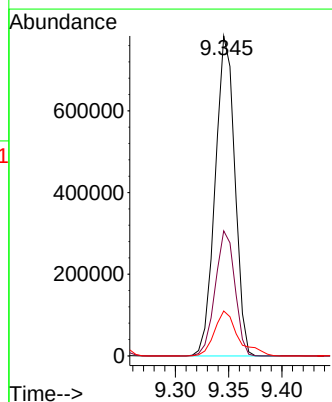
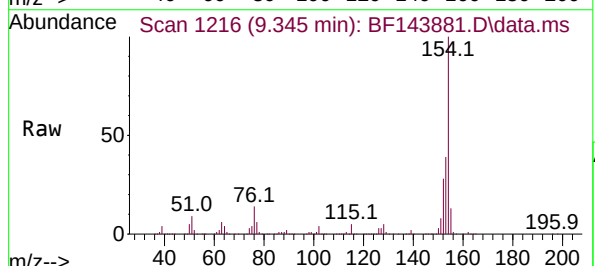
Tgt Ion:154 Resp: 1004440

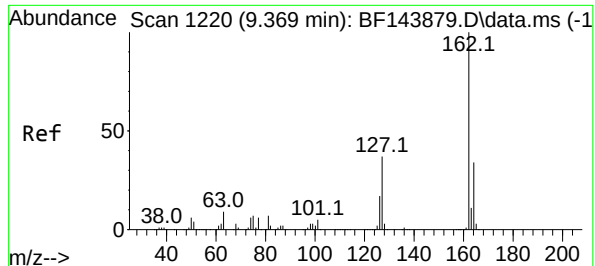
Ion Ratio Lower Upper

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# 1221

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

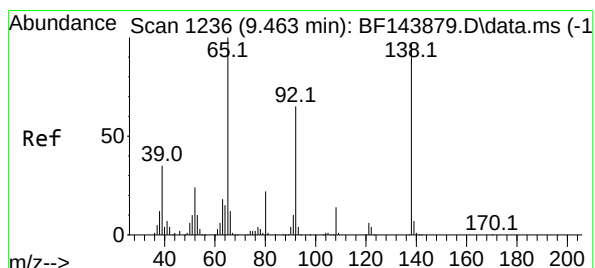
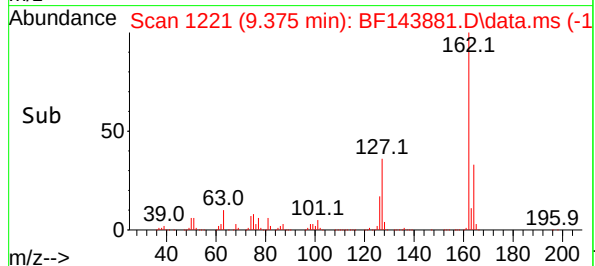
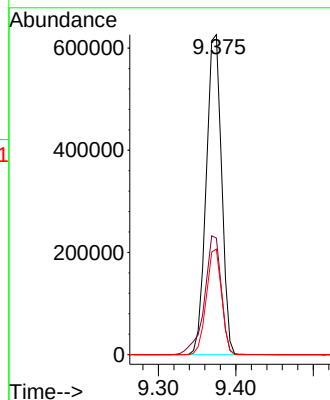
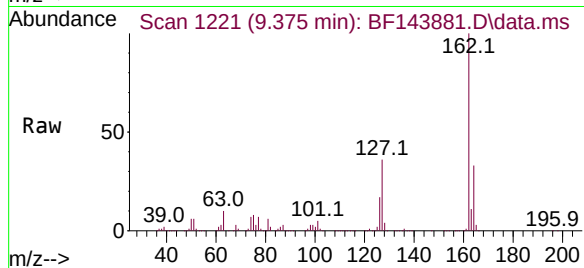
Tgt Ion:162 Resp: 860999

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

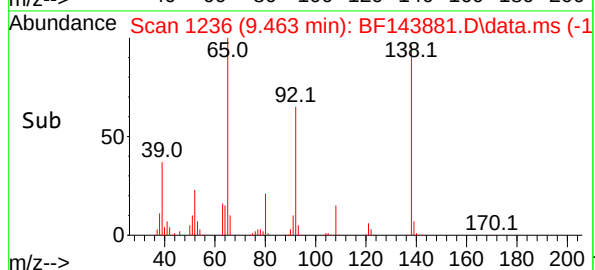
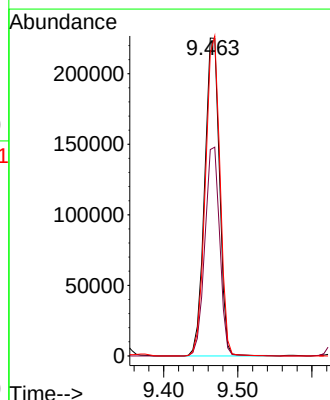
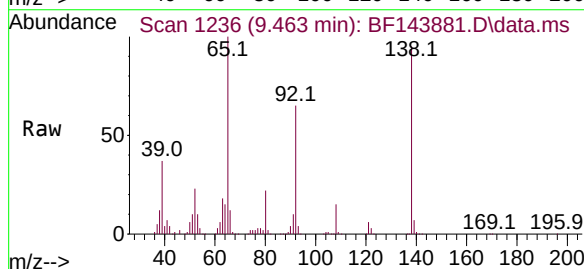
Tgt Ion: 65 Resp: 312884

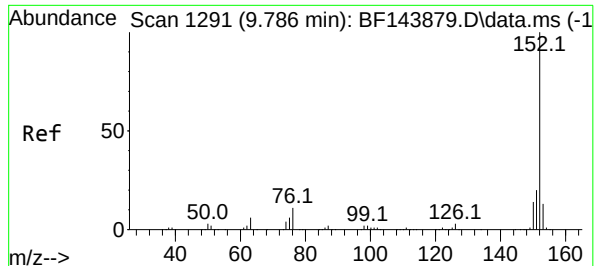
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

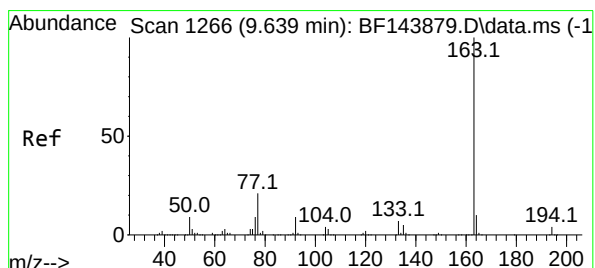
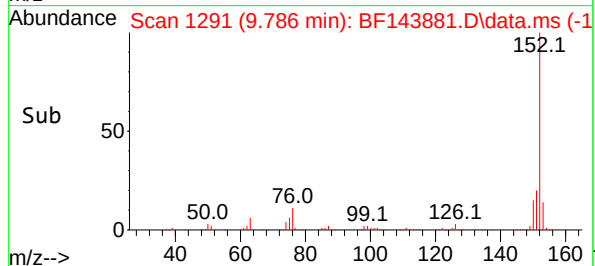
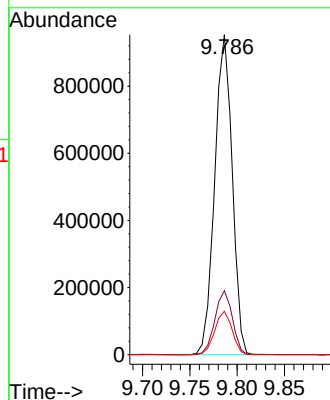
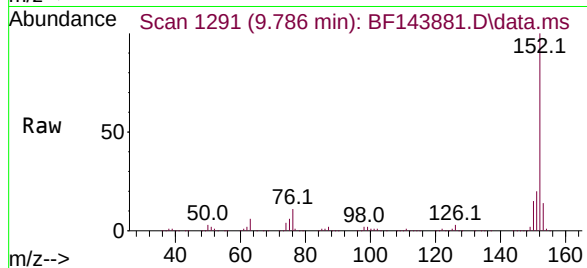
Tgt Ion:152 Resp: 1223951

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

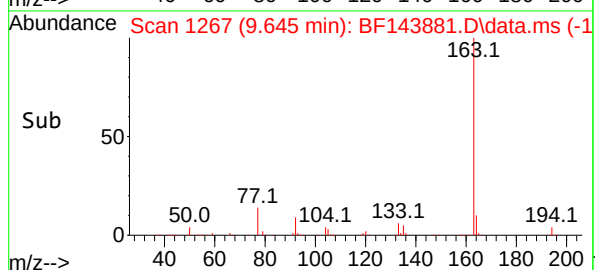
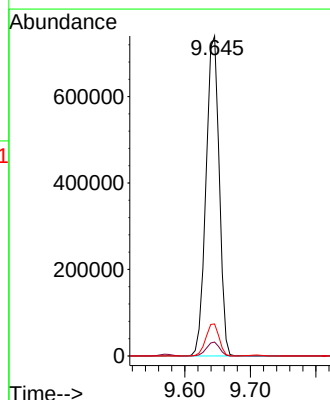
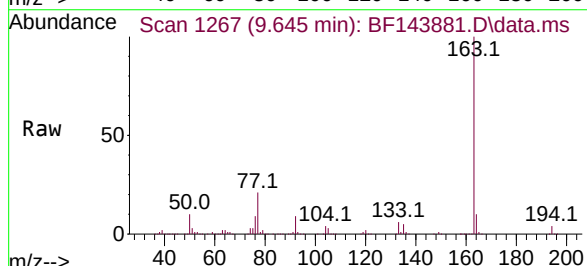
Tgt Ion:163 Resp: 1031391

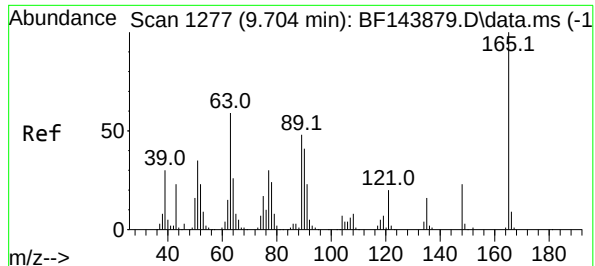
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 10.0 8.1 12.1

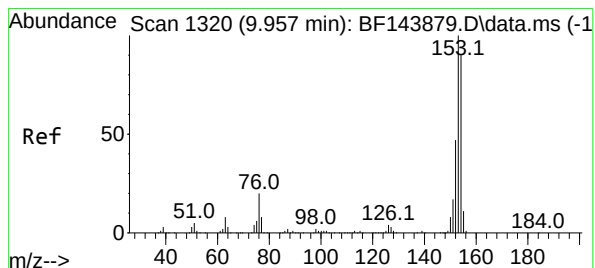
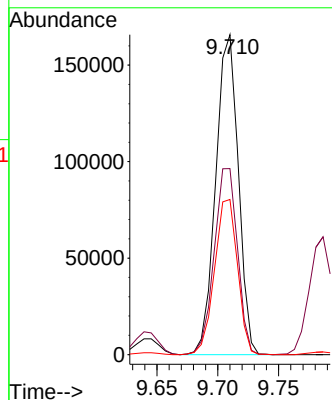
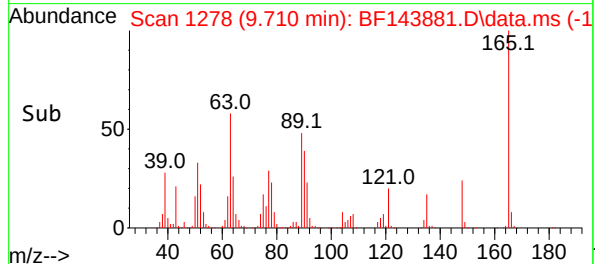
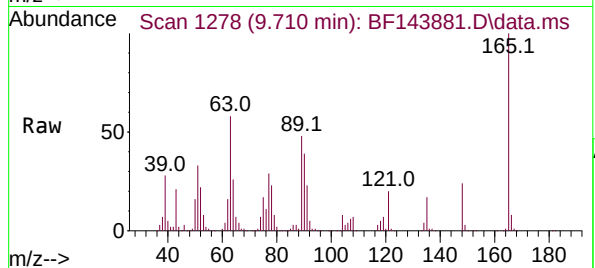




#51
2,6-Dinitrotoluene
Concen: 63.587 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

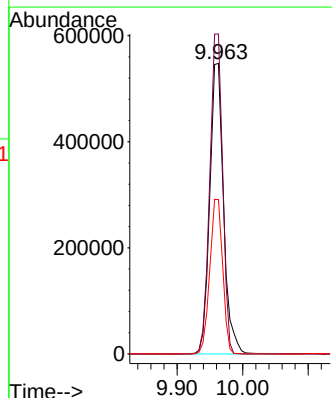
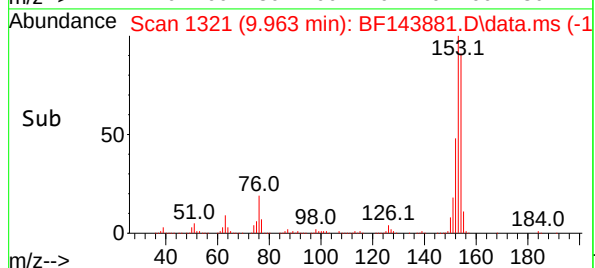
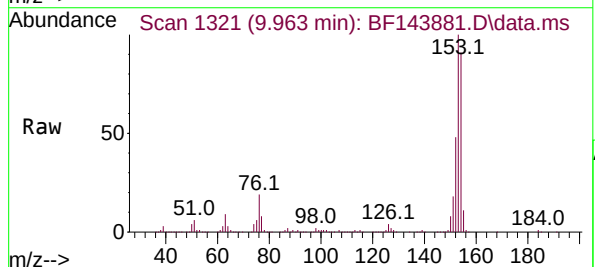
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

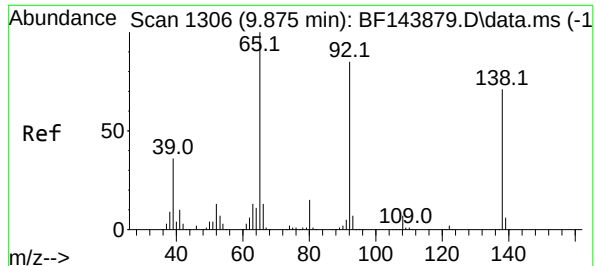
Tgt Ion:165 Resp: 214169
Ion Ratio Lower Upper
165 100
63 58.1 47.3 70.9
89 48.5 38.2 57.4



#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

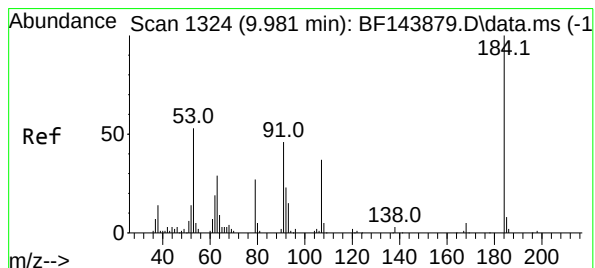
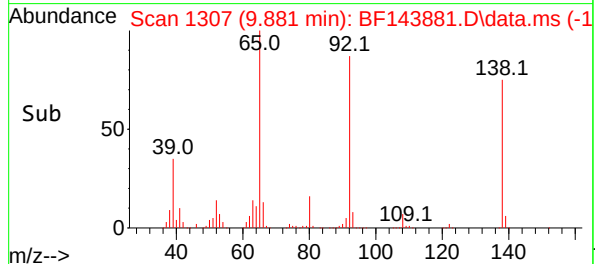
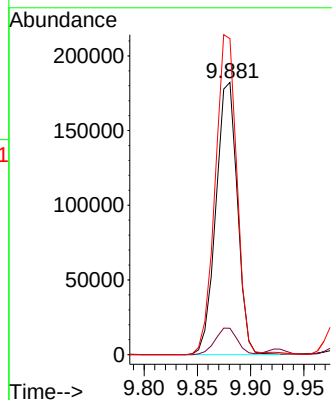
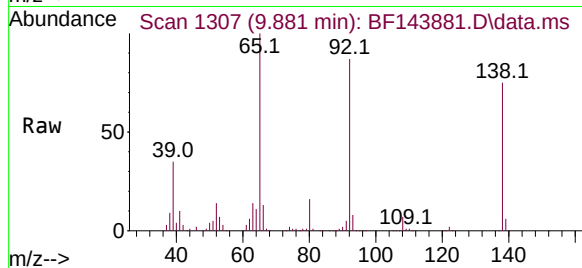




#53
3-Nitroaniline
Concen: 62.070 ng
RT: 9.881 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

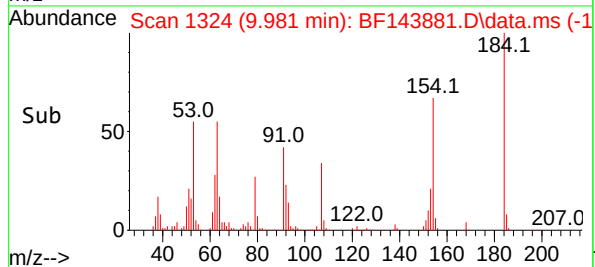
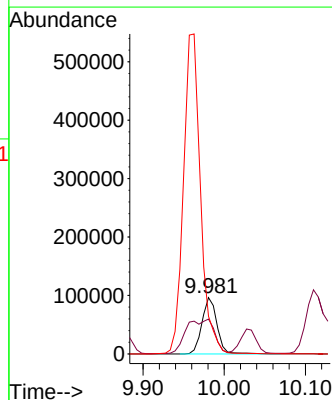
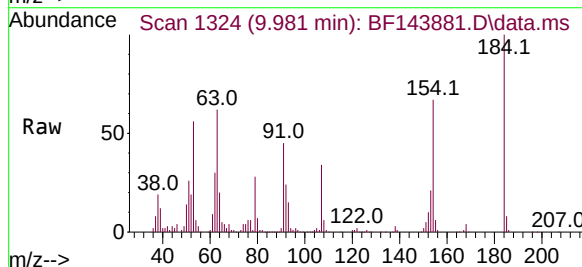
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

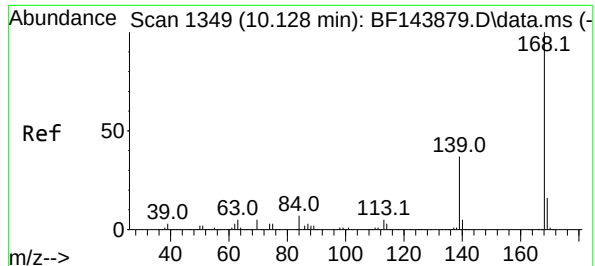
Tgt Ion:138 Resp: 255984
Ion Ratio Lower Upper
138 100
108 9.7 8.3 12.5
92 116.1 96.2 144.2



#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# 1349

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

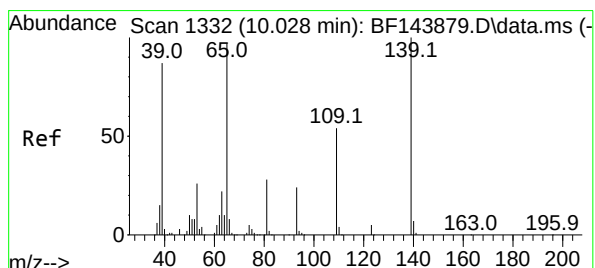
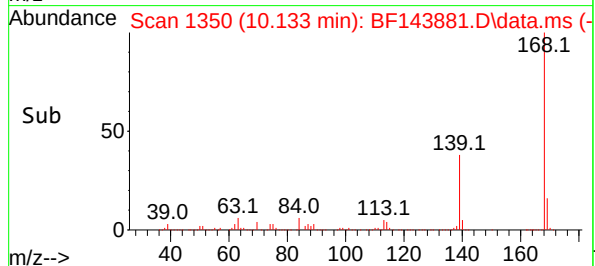
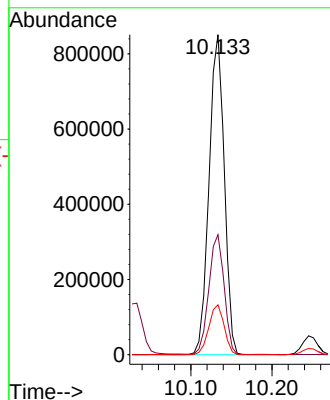
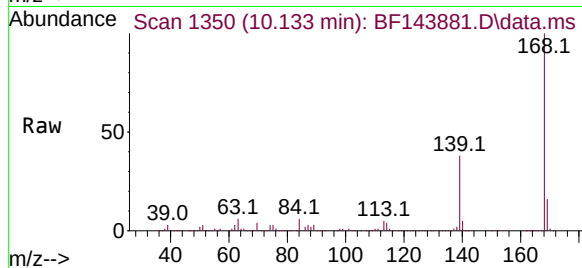
Tgt Ion:168 Resp: 1111183

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

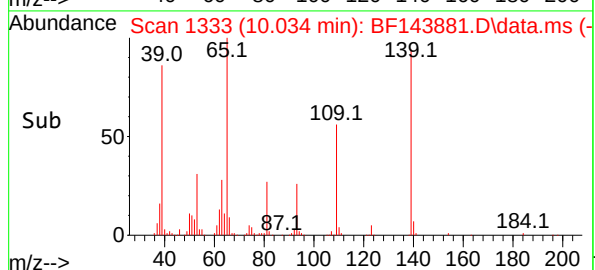
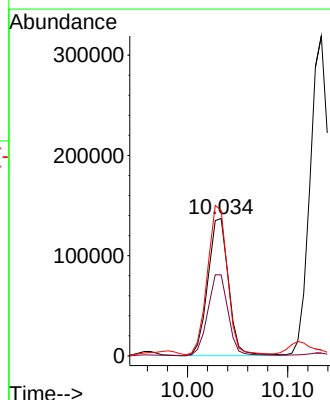
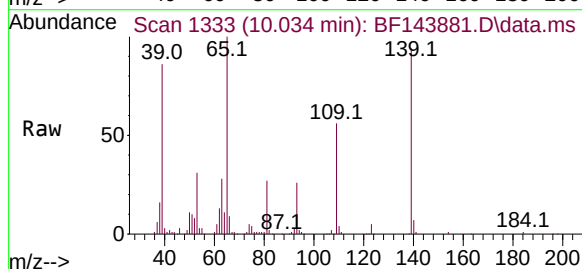
Tgt Ion:139 Resp: 195321

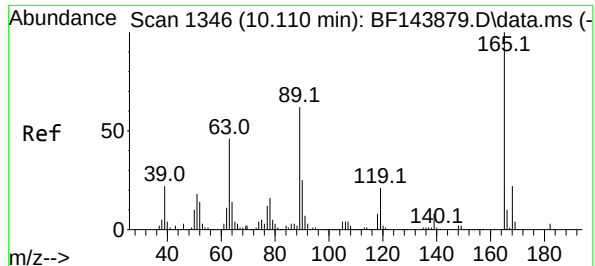
Ion Ratio Lower Upper

139 100

109 59.0 34.5 74.5

65 105.8 77.6 117.6

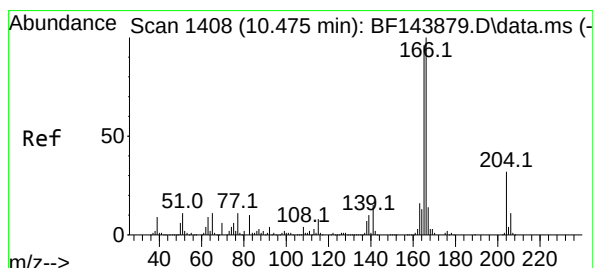
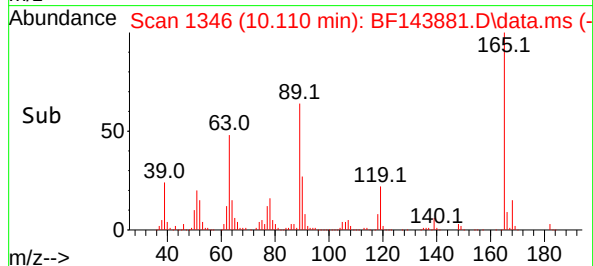
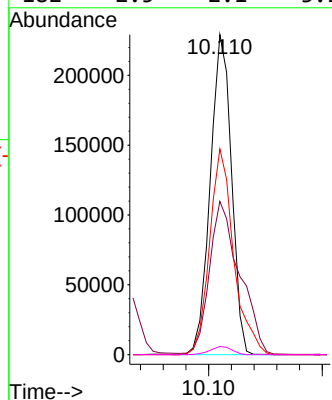
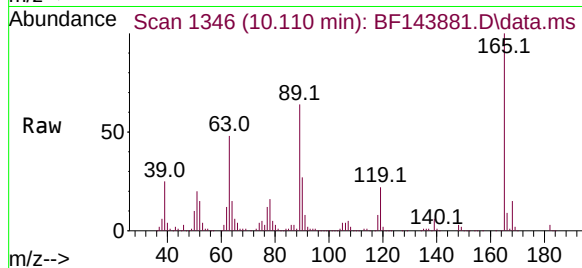




#57
2,4-Dinitrotoluene
Concen: 64.812 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

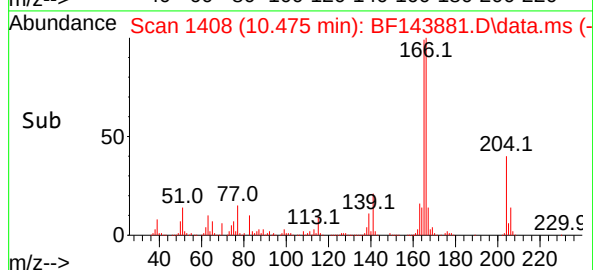
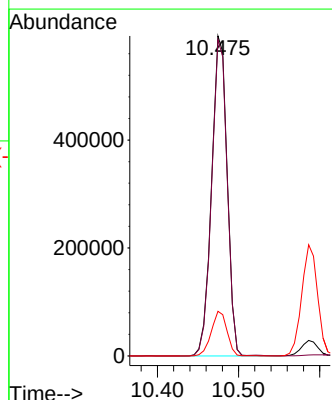
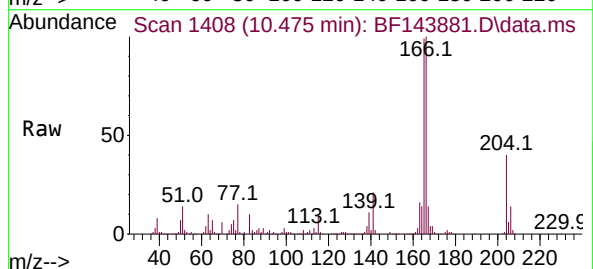
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

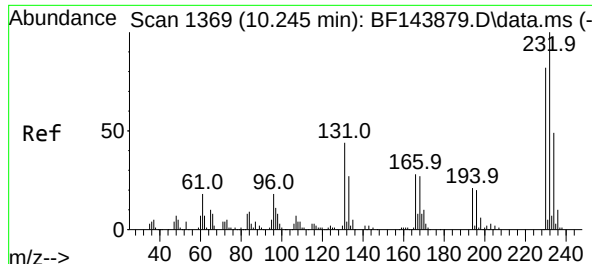
Tgt Ion:165 Resp: 297018
Ion Ratio Lower Upper
165 100
63 47.9 37.2 55.8
89 64.3 49.4 74.2
182 2.5 2.1 3.1



#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

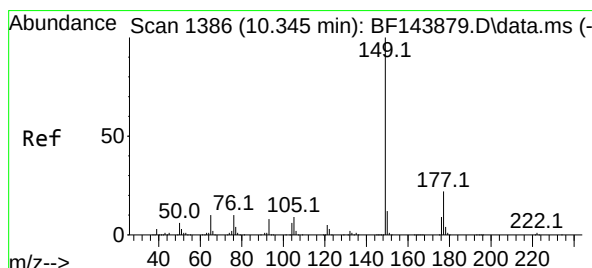
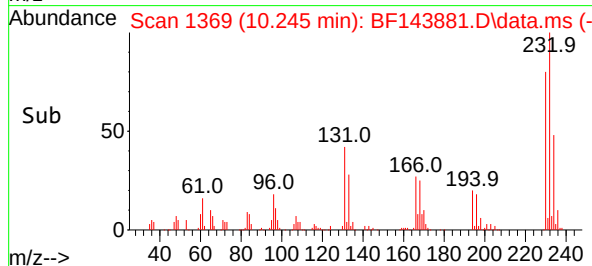
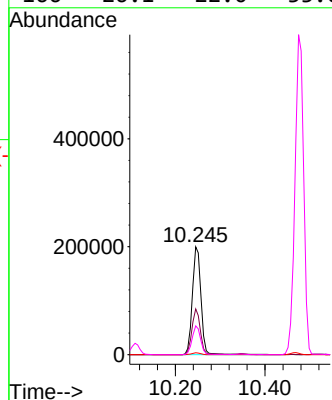
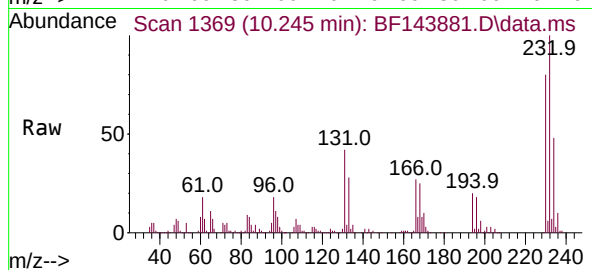




#59
2,3,4,6-Tetrachlorophenol
Concen: 61.283 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

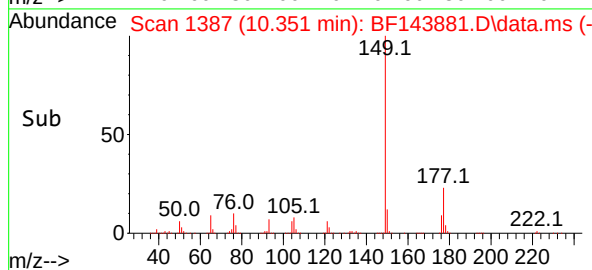
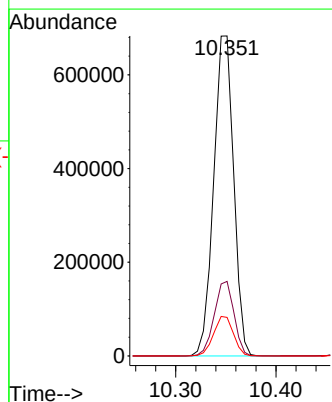
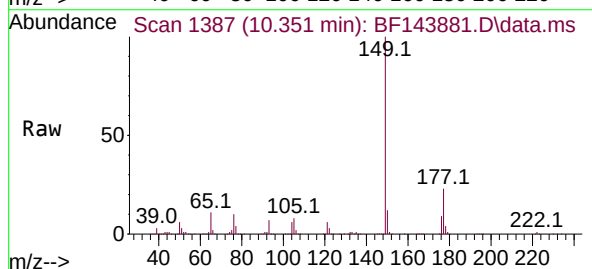
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

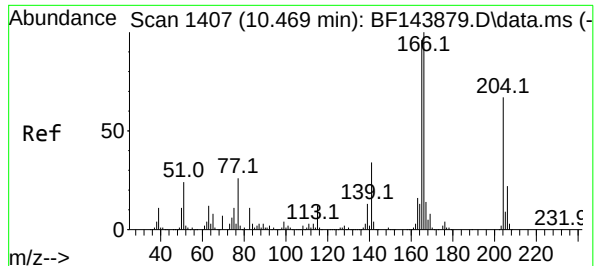
Tgt Ion:232 Resp: 264796
Ion Ratio Lower Upper
232 100
131 41.1 34.9 52.3
130 1.6 1.6 2.4#
166 26.1 22.0 33.0



#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

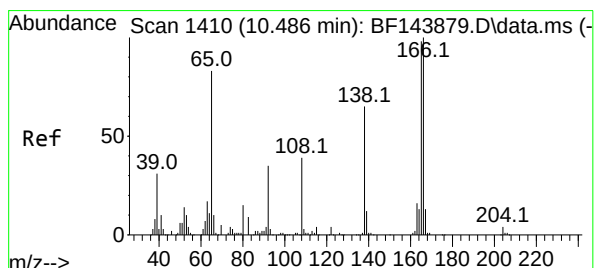
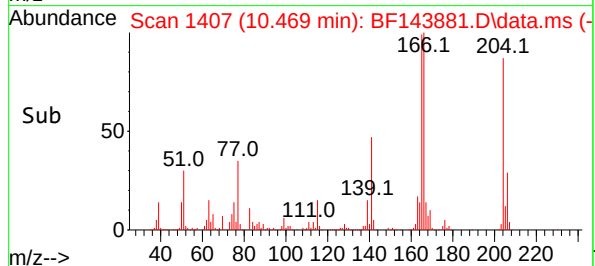
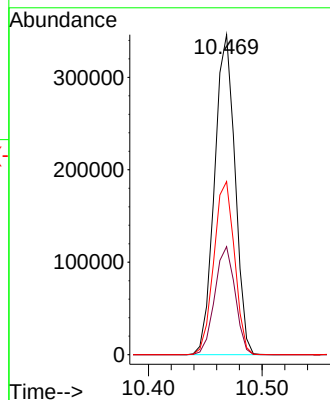
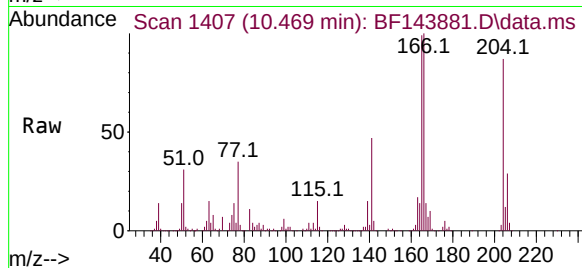




#61
4-Chlorophenyl-phenylether
Concen: 52.905 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

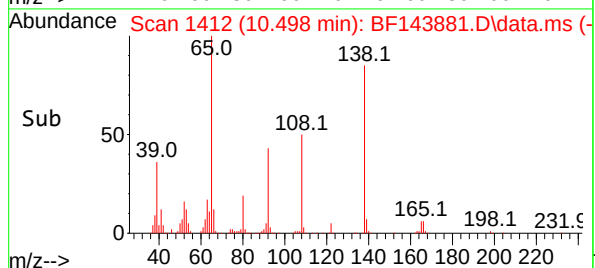
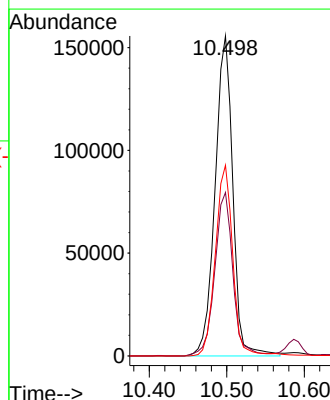
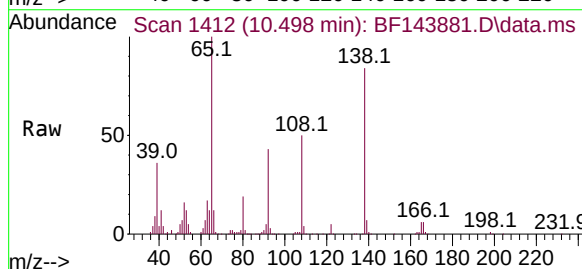
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

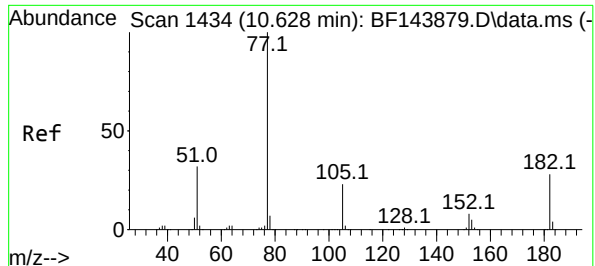
Tgt Ion:204 Resp: 433339
Ion Ratio Lower Upper
204 100
206 33.7 26.6 40.0
141 54.1 40.4 60.6



#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

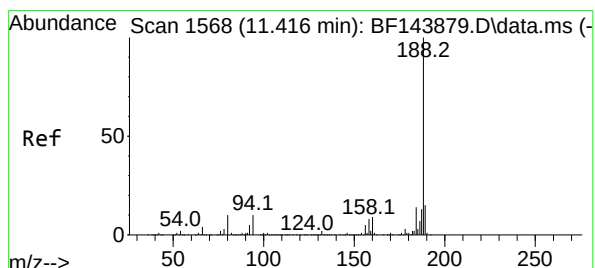
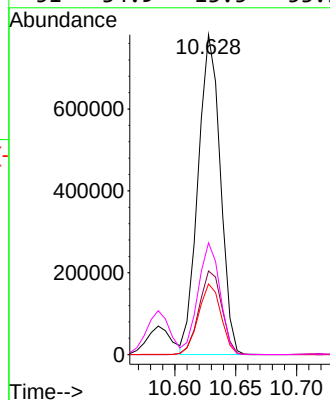
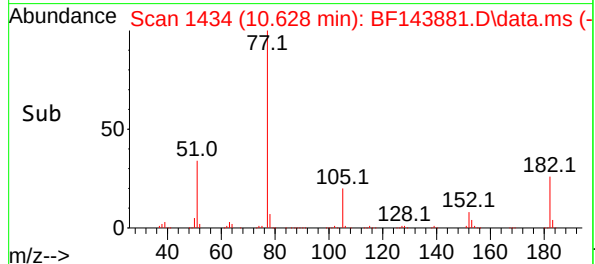
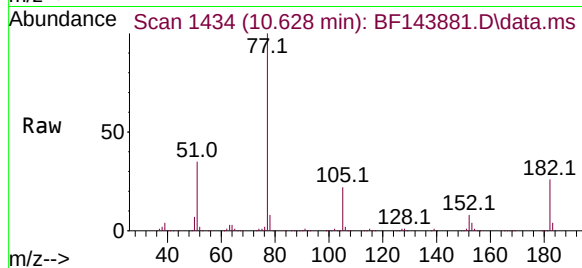




#63
Azobenzene
Concen: 56.252 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

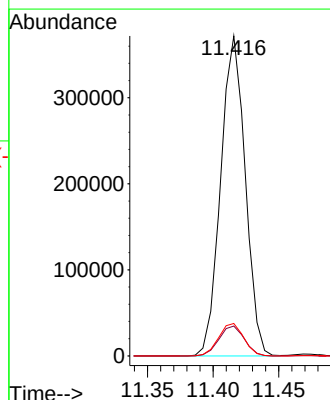
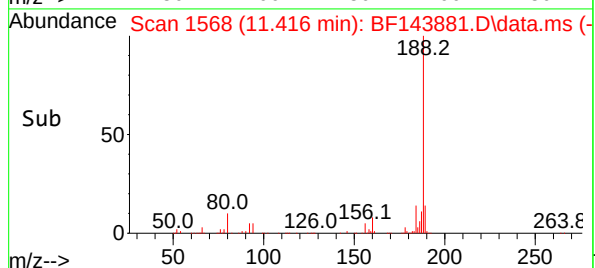
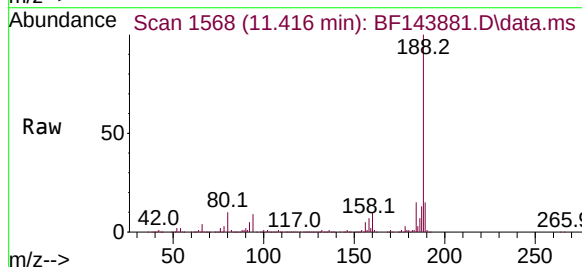
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

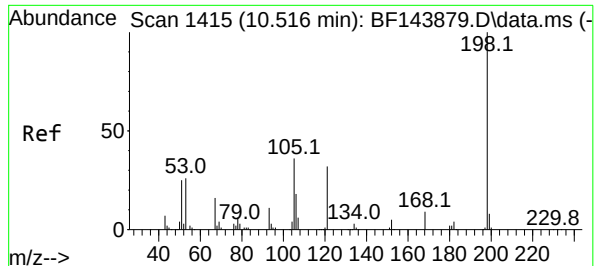
Tgt Ion: 77	Resp: 992054
Ion Ratio	Lower Upper
77	100
182	26.1 7.3 47.3
105	22.1 3.0 43.0
51	34.9 13.5 53.5



#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

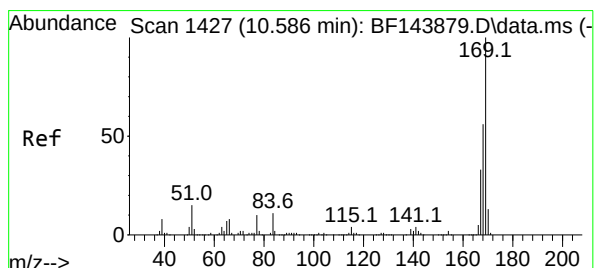
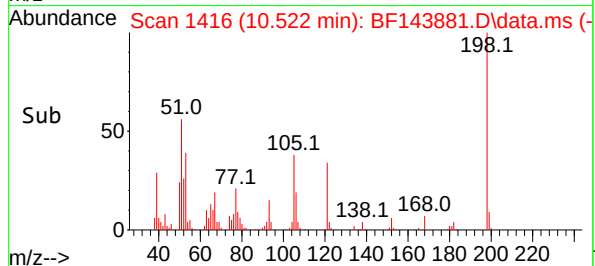
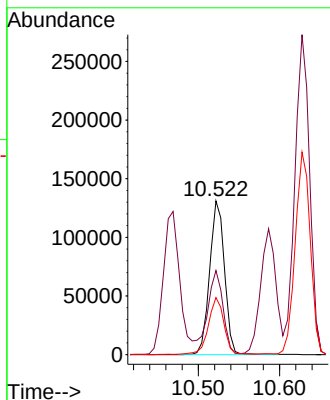
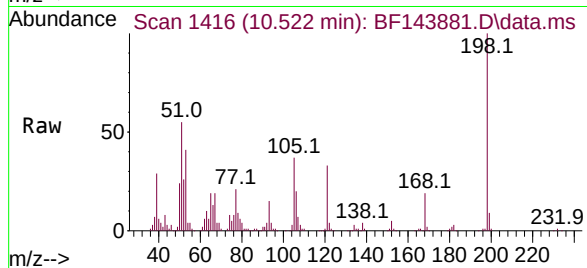




#65
4,6-Dinitro-2-methylphenol
Concen: 68.344 ng
RT: 10.522 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

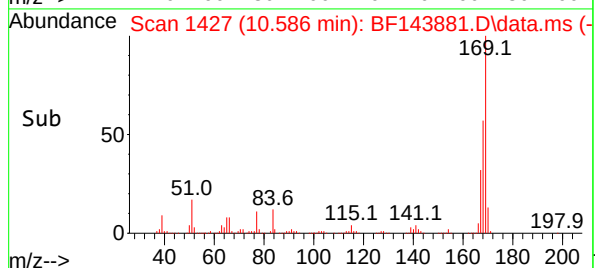
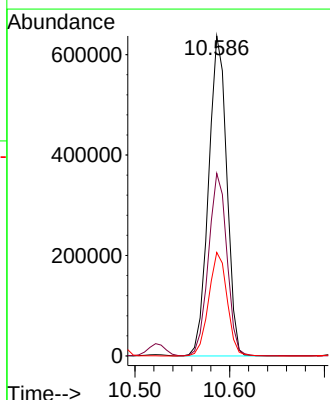
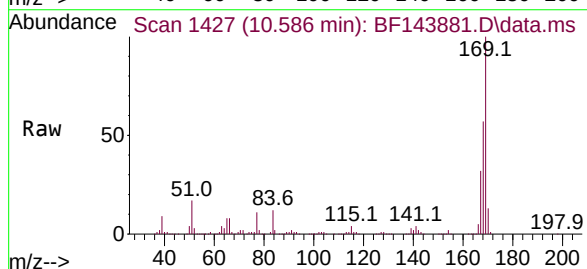
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

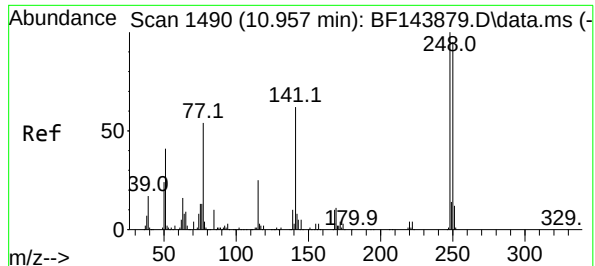
Tgt Ion:198 Resp: 166740
Ion Ratio Lower Upper
198 100
51 54.7 33.8 73.8
105 37.2 17.0 57.0



#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

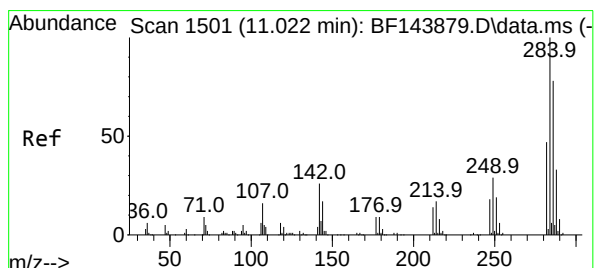
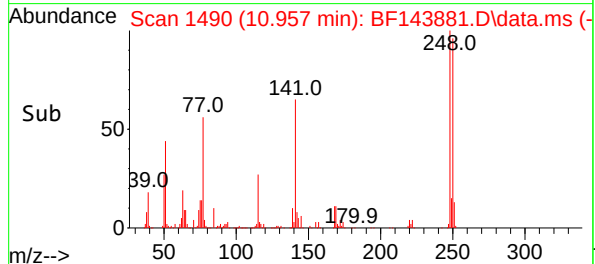
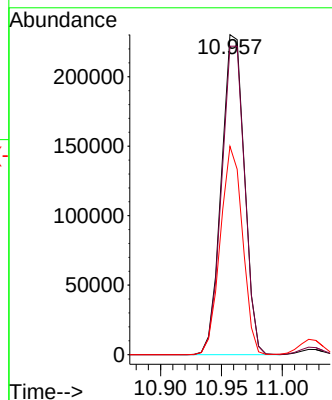
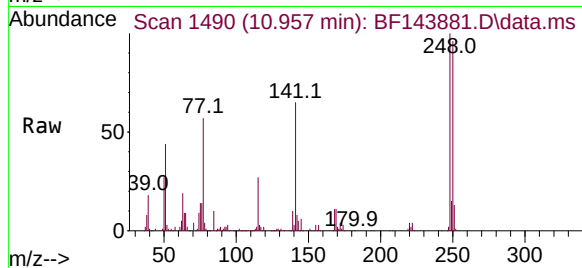




#67
4-Bromophenyl-phenylether
Concen: 56.317 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

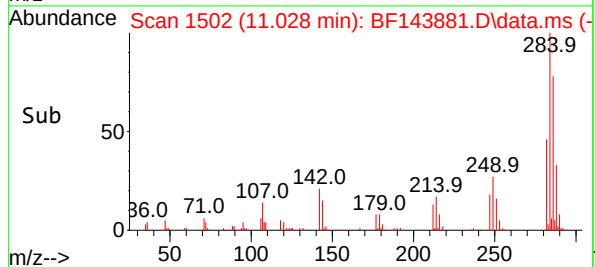
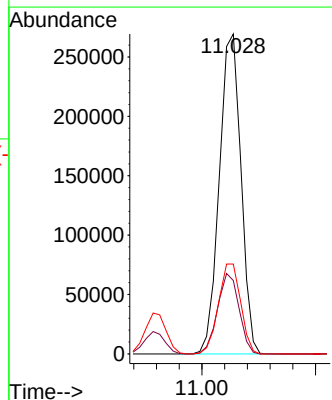
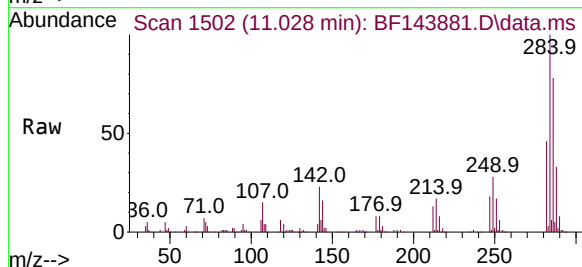
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

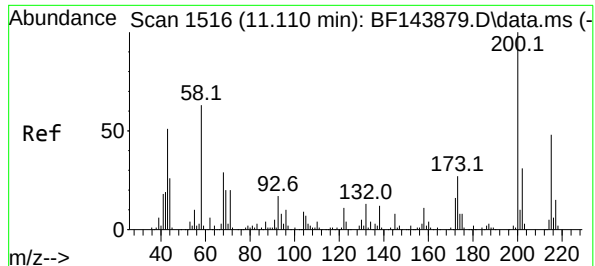
Tgt Ion:248 Resp: 302165
Ion Ratio Lower Upper
248 100
250 96.4 76.3 114.5
141 65.1 49.7 74.5



#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# 11

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

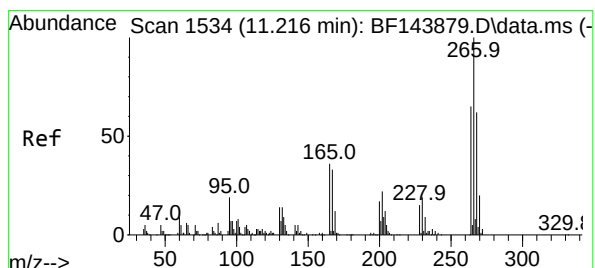
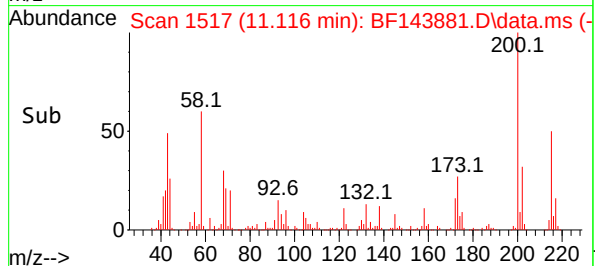
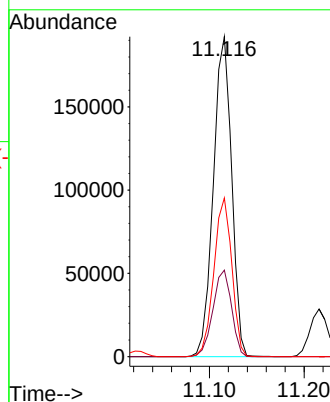
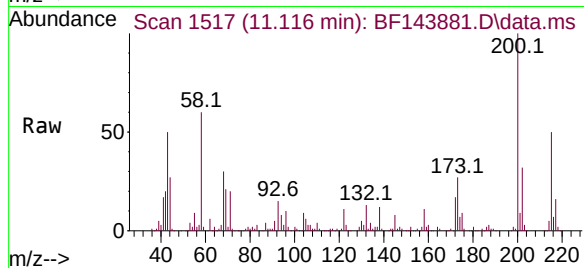
Tgt Ion:200 Resp: 257412

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

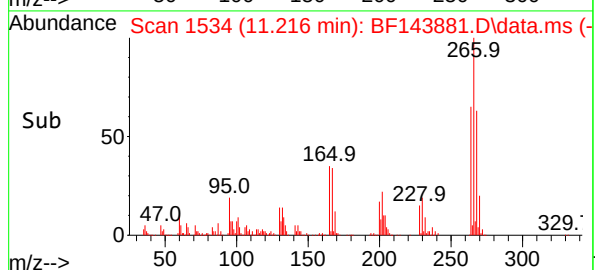
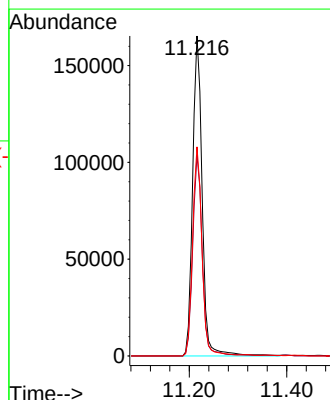
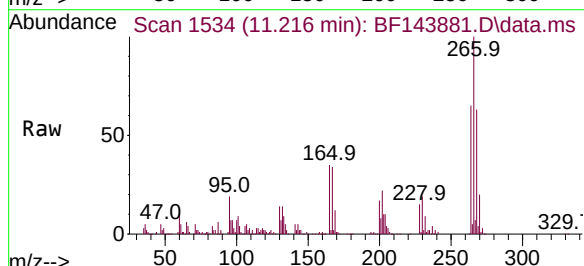
Tgt Ion:266 Resp: 224011

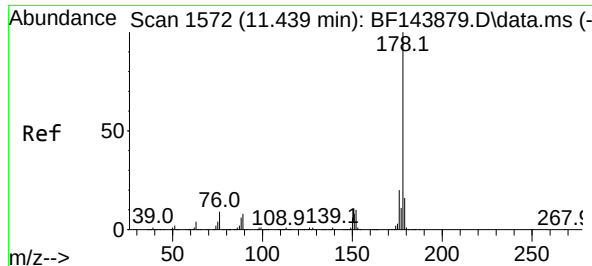
Ion Ratio Lower Upper

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# 1572

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

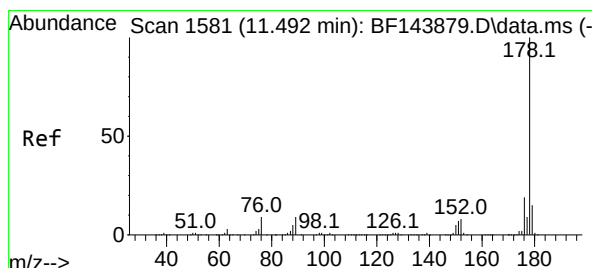
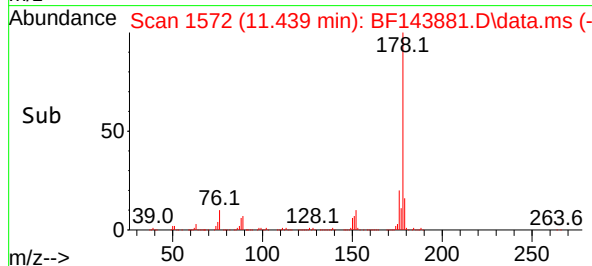
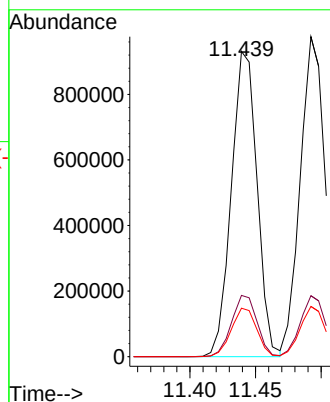
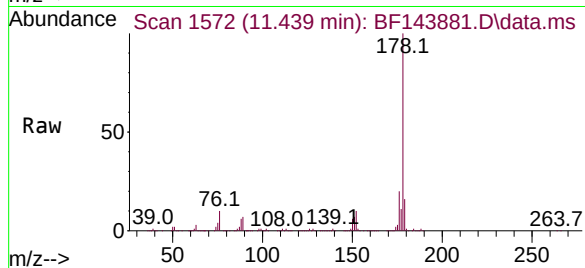
Tgt Ion:178 Resp: 1270063

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

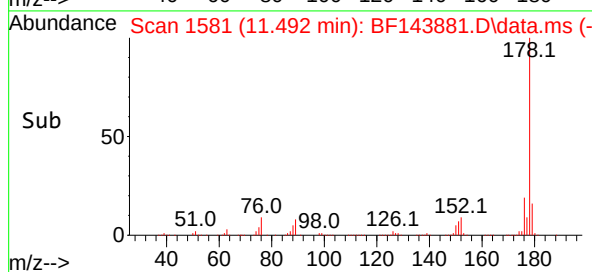
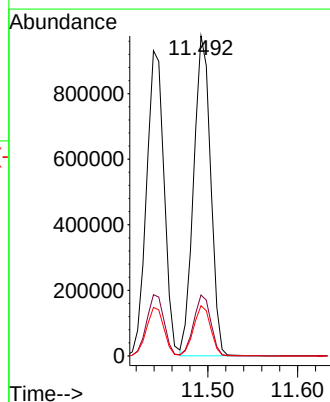
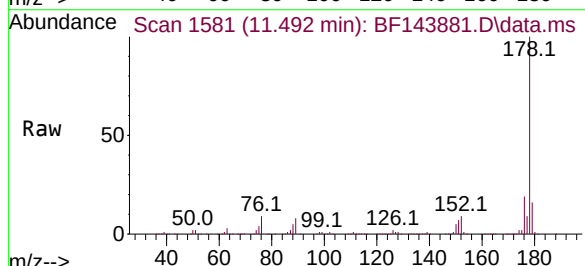
Tgt Ion:178 Resp: 1282940

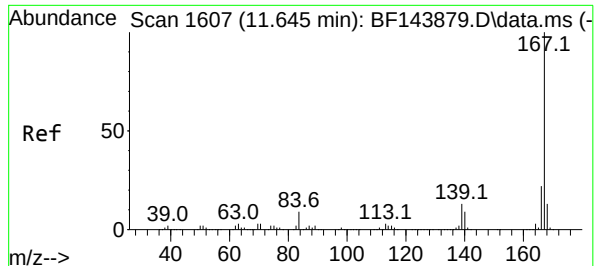
Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

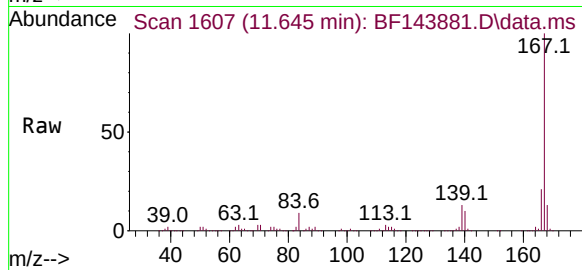
179 15.7 12.2 18.2



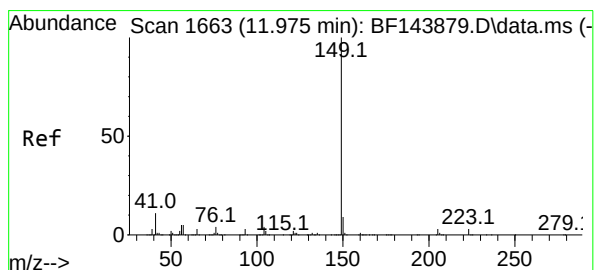
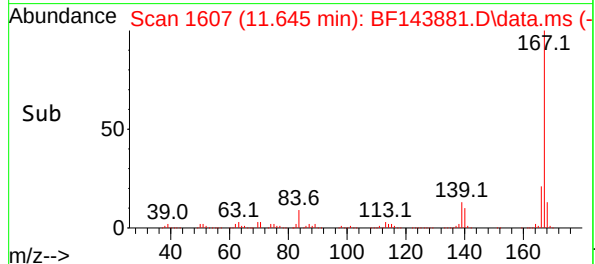
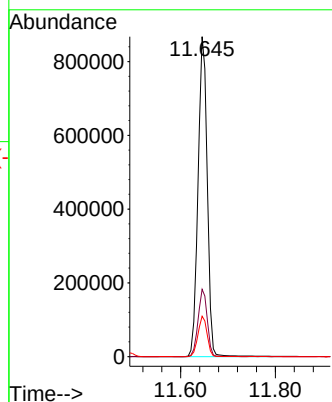


#73
Carbazole
Concen: 55.592 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

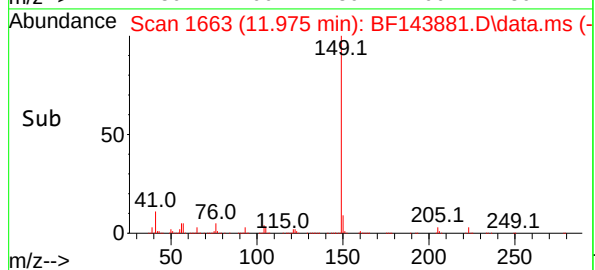
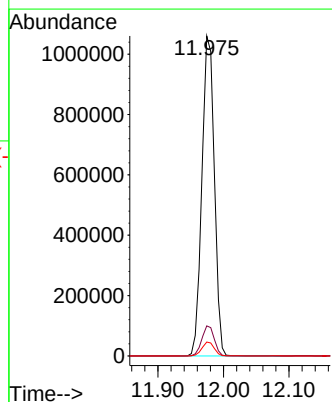
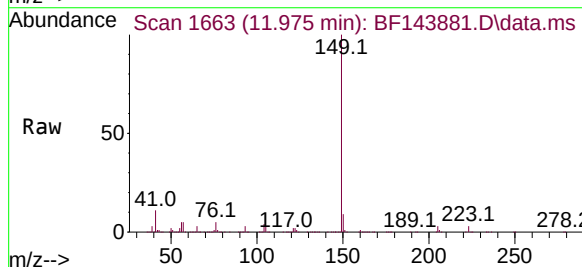


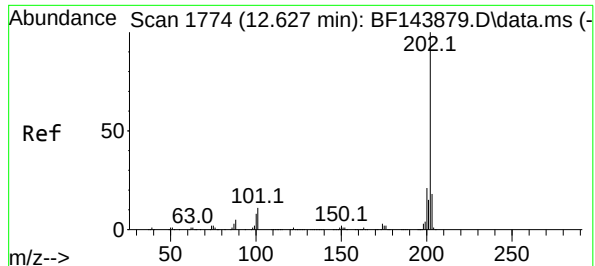
Tgt Ion:167 Resp: 1170717
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 12.6 10.1 15.1



#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

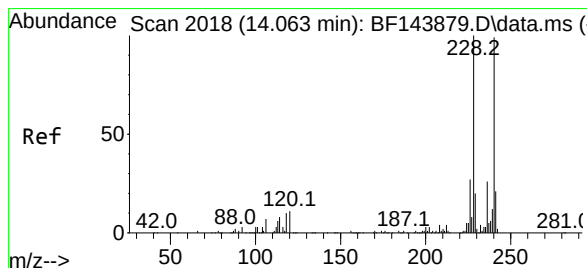
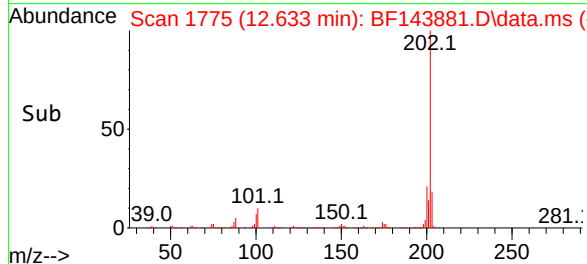
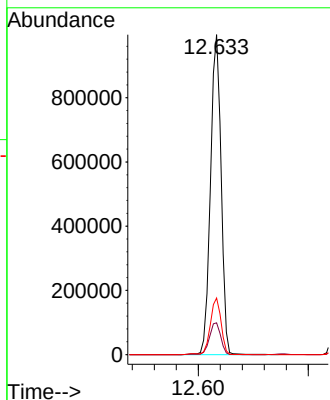
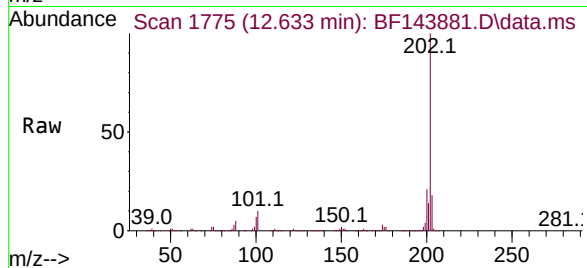




#75
Fluoranthene
Concen: 54.530 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

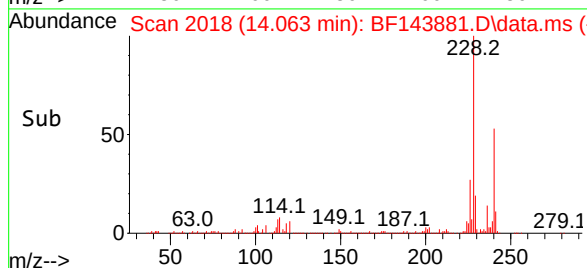
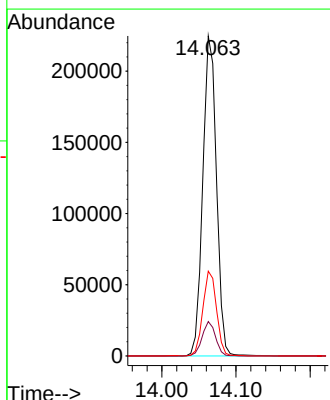
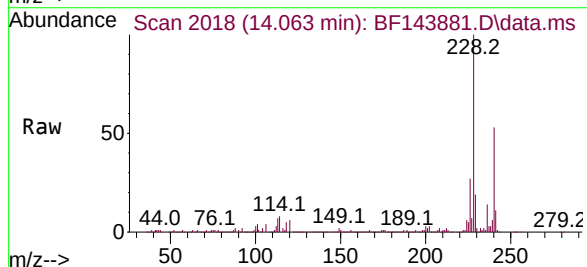
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

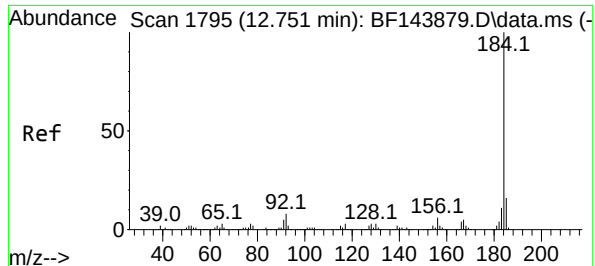
Tgt Ion:202 Resp: 1325716
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.7
203 17.7 0.0 37.8



#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# 1795

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

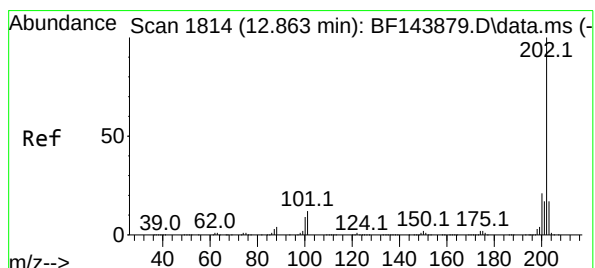
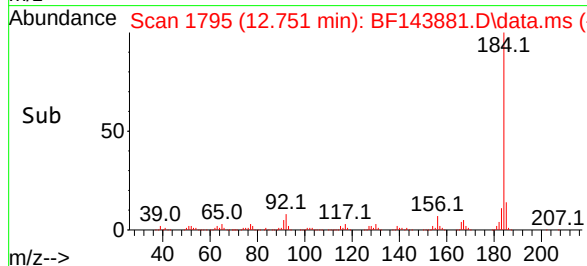
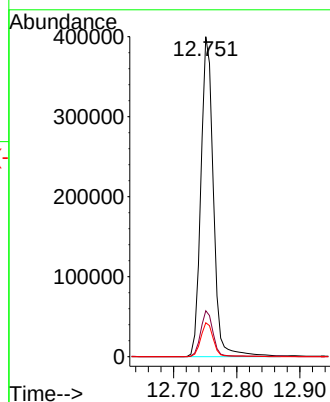
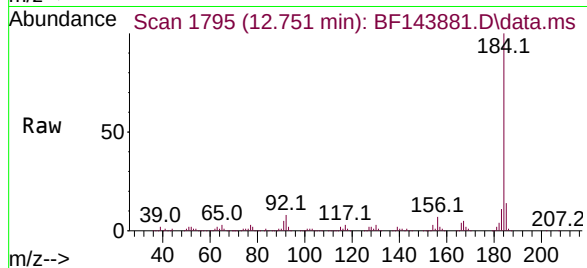
Tgt Ion:184 Resp: 551394

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

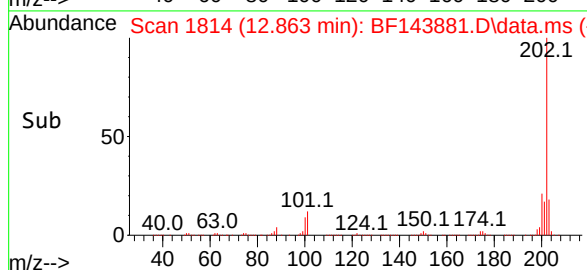
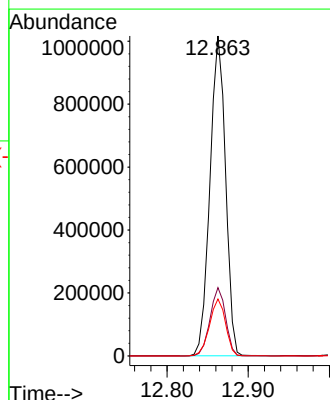
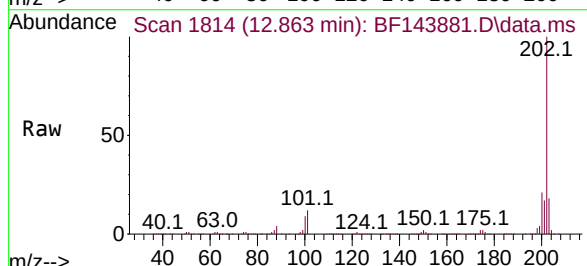
Tgt Ion:202 Resp: 1359513

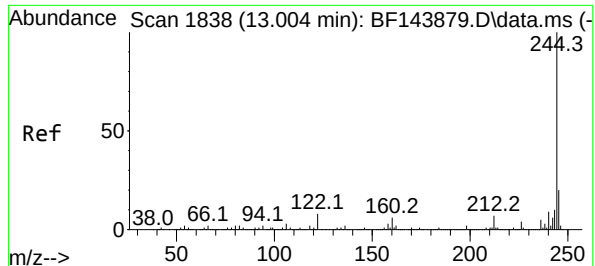
Ion Ratio Lower Upper

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# 1838

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

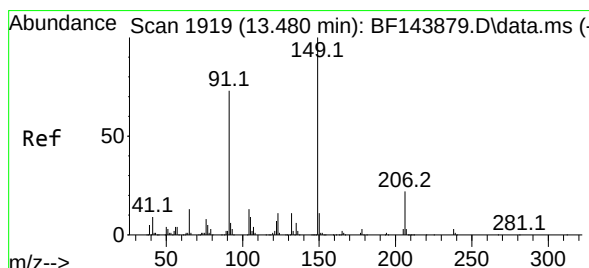
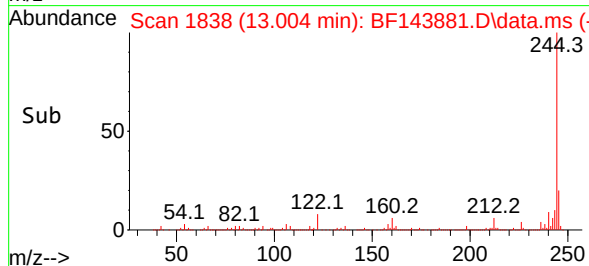
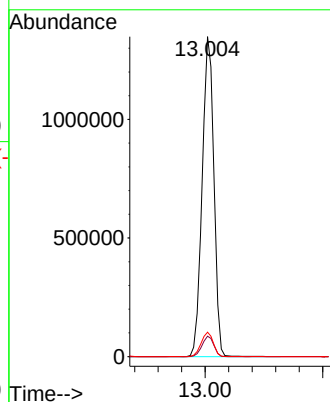
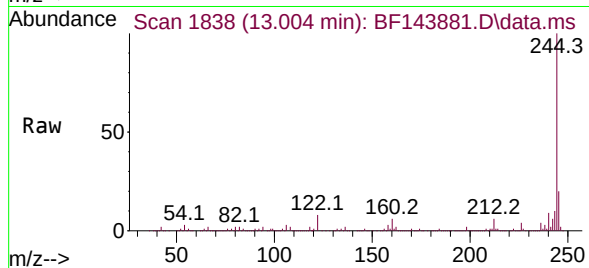
Tgt Ion:244 Resp: 1861234

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

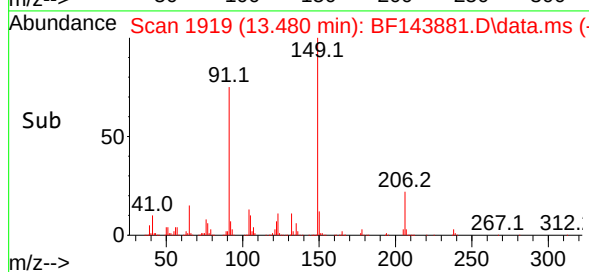
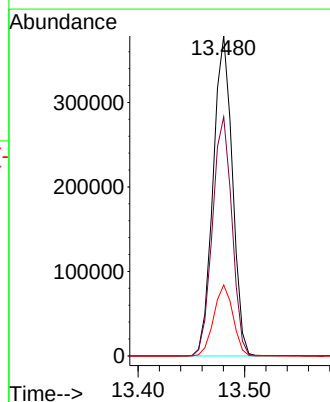
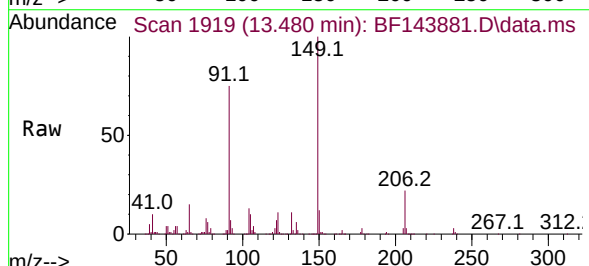
Tgt Ion:149 Resp: 476448

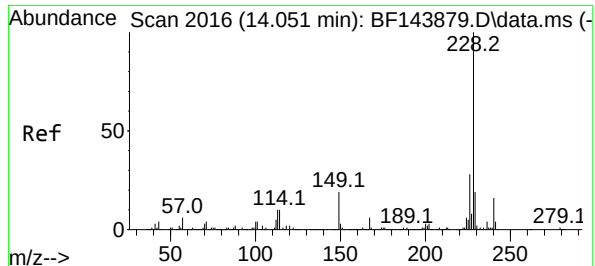
Ion Ratio Lower Upper

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

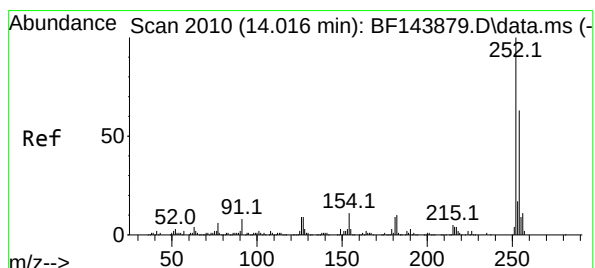
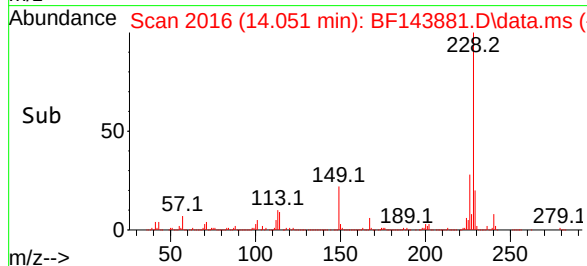
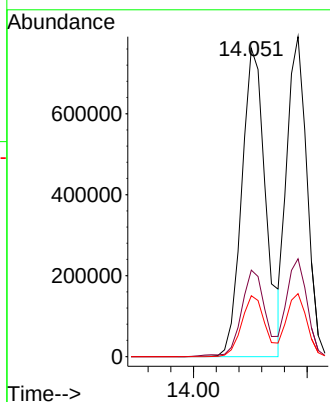
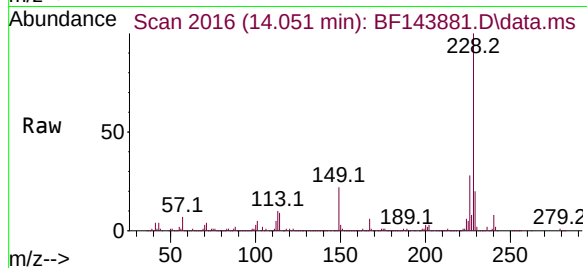
Tgt Ion:228 Resp: 1111626

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

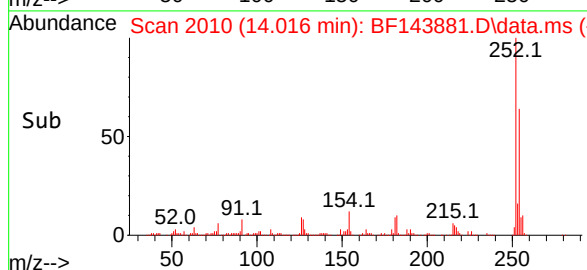
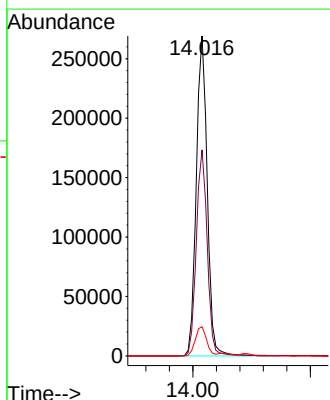
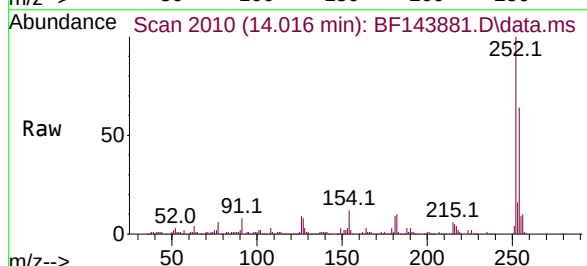
Tgt Ion:252 Resp: 347863

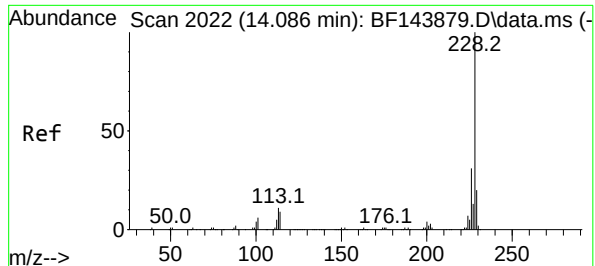
Ion Ratio Lower Upper

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# 20

Delta R.T. 0.000 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

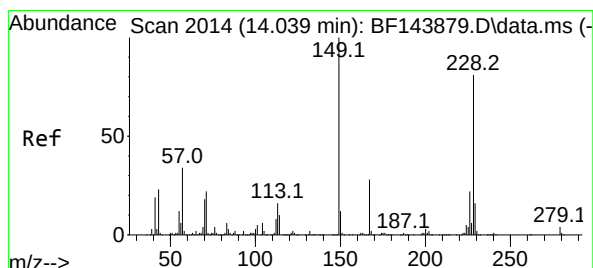
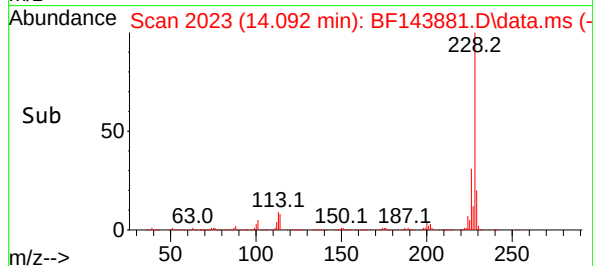
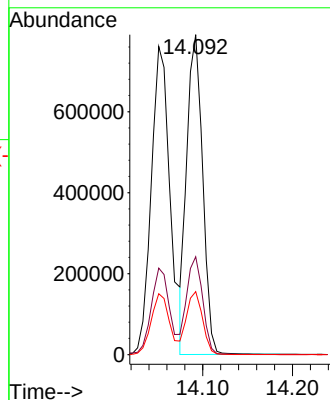
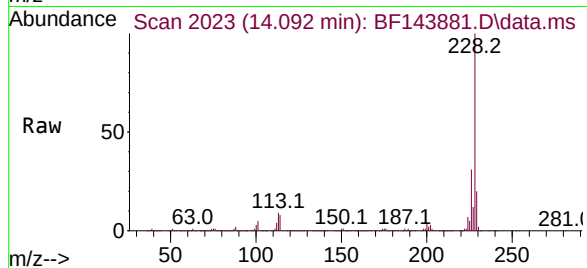
Tgt Ion:228 Resp: 969765

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

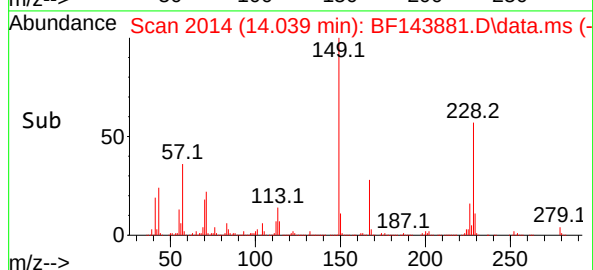
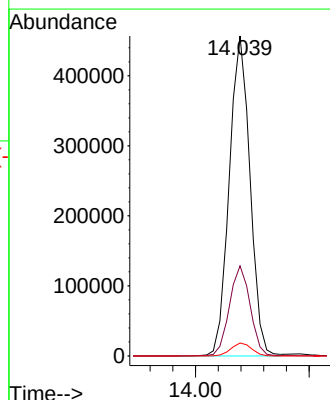
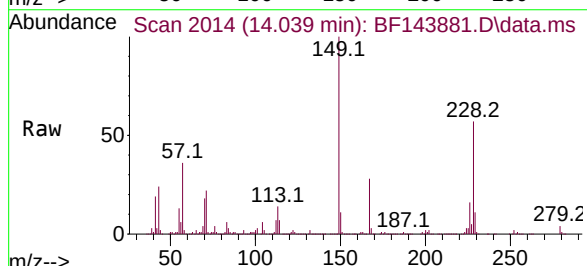
Tgt Ion:149 Resp: 579121

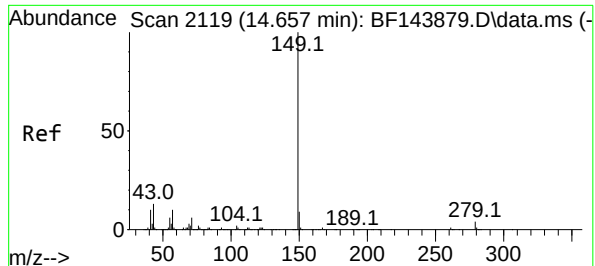
Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.4

279 4.0 3.1 4.7

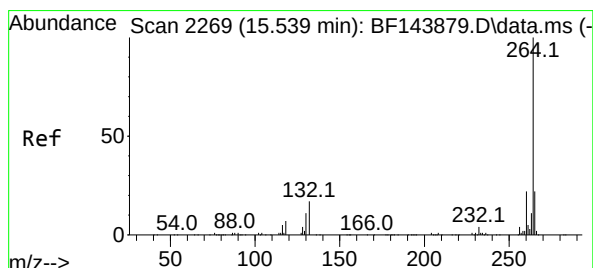
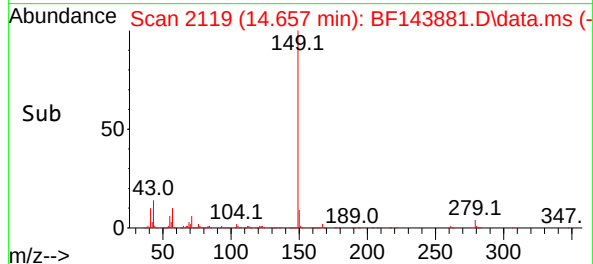
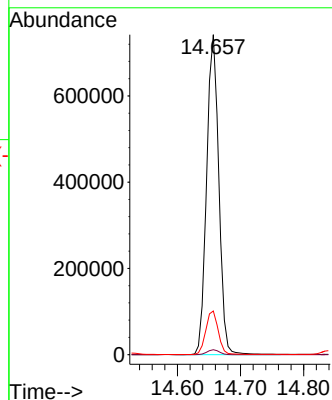
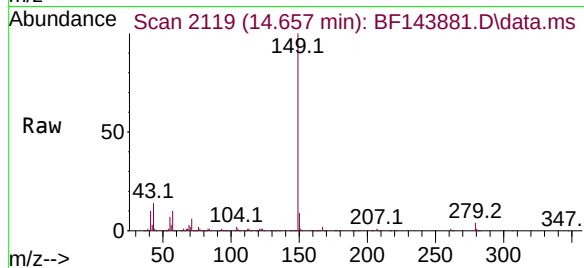




#85
Di-n-octyl phthalate
Concen: 64.431 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

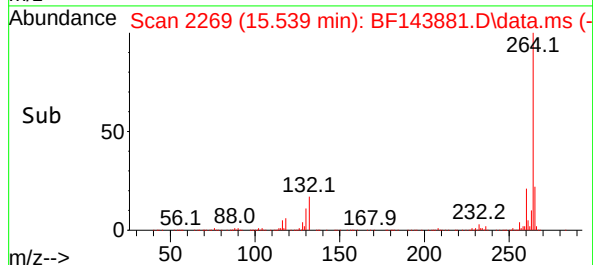
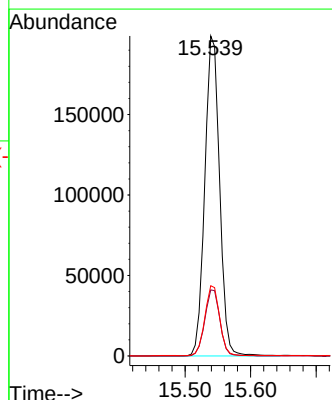
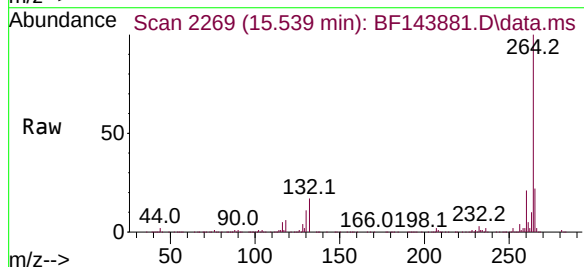
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

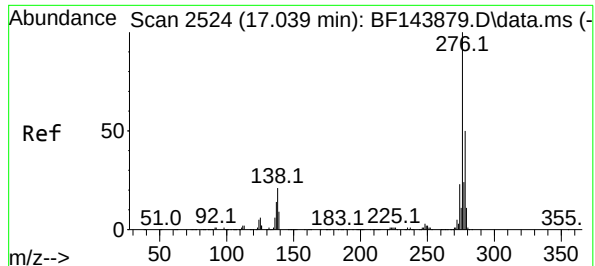
Tgt Ion:149 Resp: 991597
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 14.0 11.0 16.4



#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# 21

Delta R.T. -0.012 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

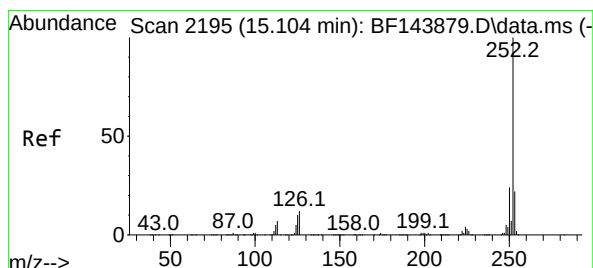
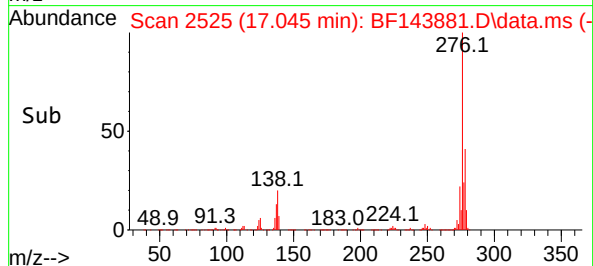
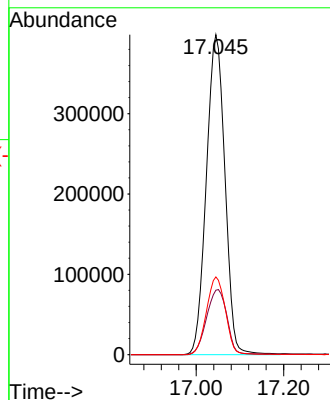
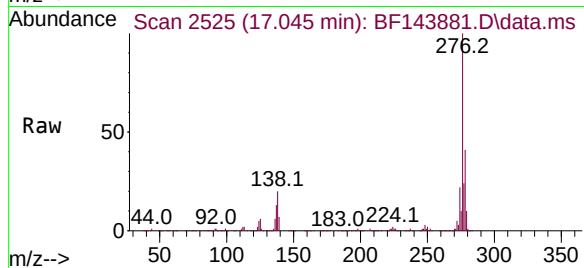
Tgt Ion:276 Resp: 1173726

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

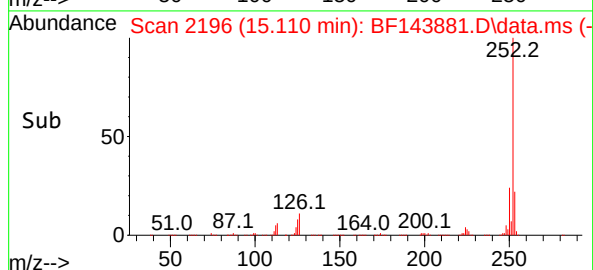
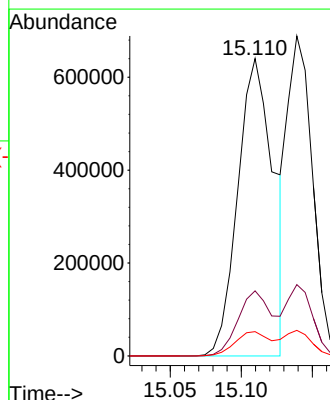
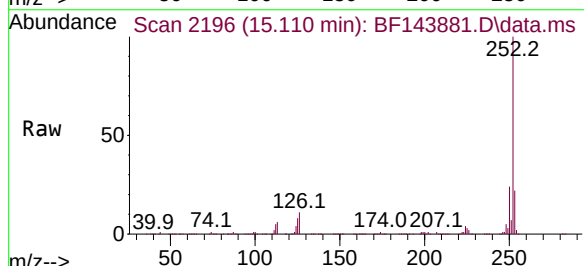
Tgt Ion:252 Resp: 1117484

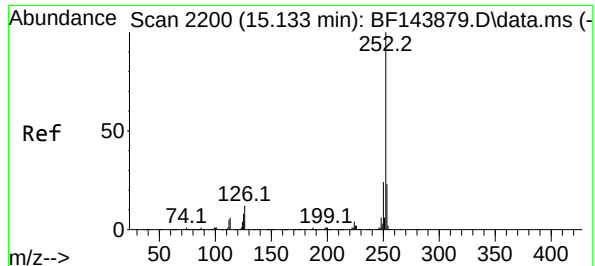
Ion Ratio Lower Upper

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# 2200

Delta R.T. -0.006 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

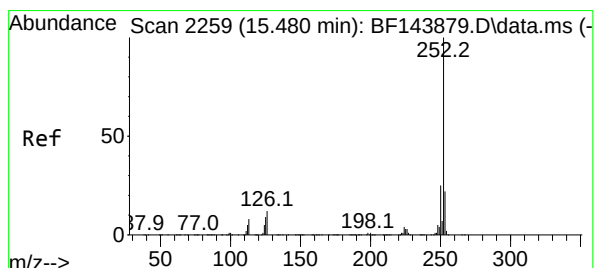
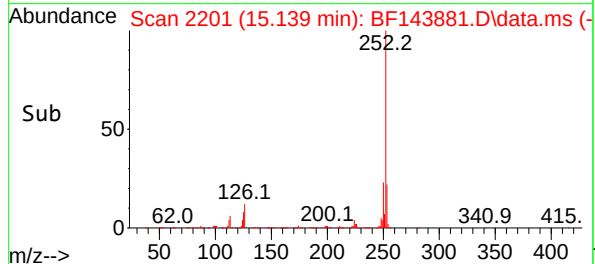
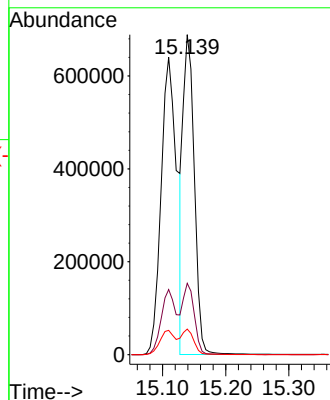
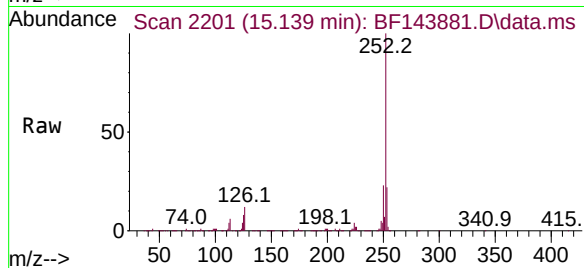
Tgt Ion:252 Resp: 855988

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

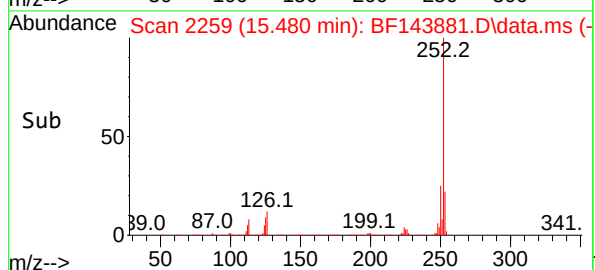
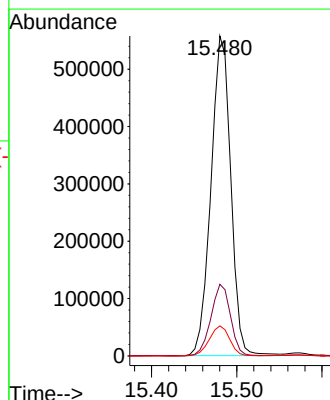
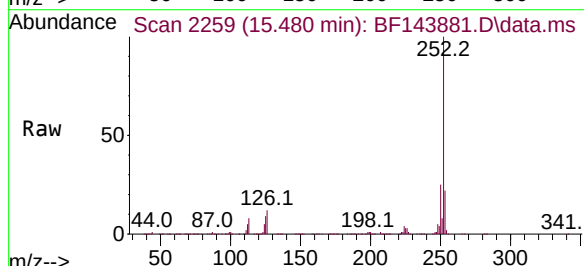
Tgt Ion:252 Resp: 901585

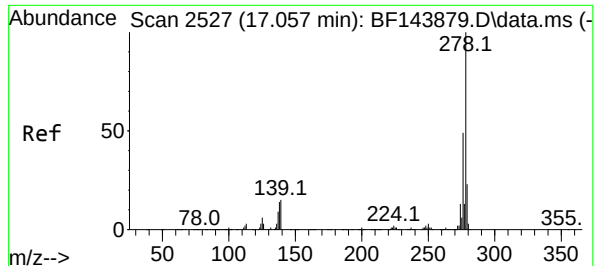
Ion Ratio Lower Upper

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# 2527

Delta R.T. -0.017 min

Lab File: BF143881.D

Acq: 06 Oct 2025 13:53

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

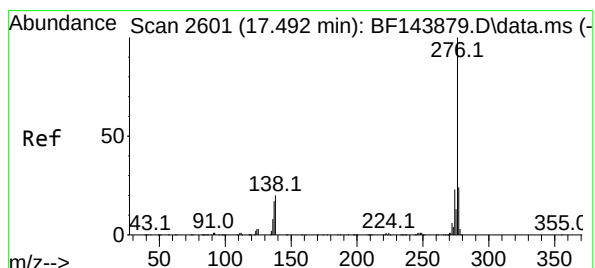
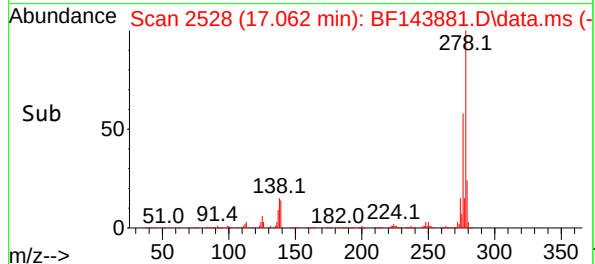
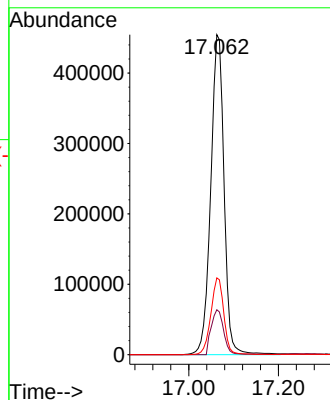
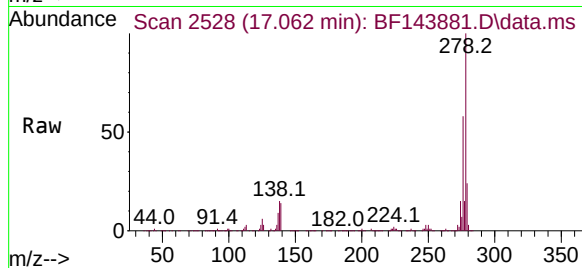
Tgt Ion:278 Resp: 935987

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

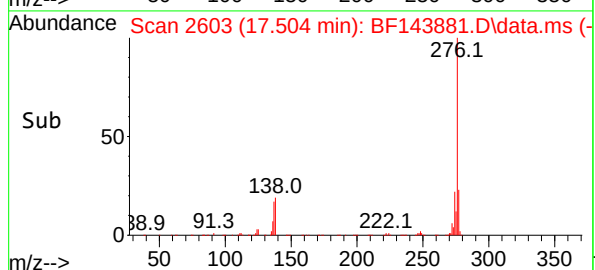
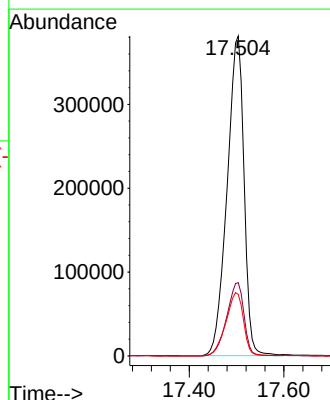
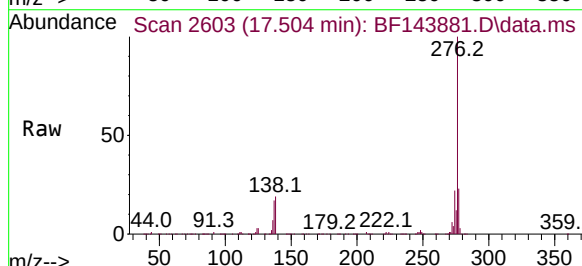
Tgt Ion:276 Resp: 946452

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

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

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

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025

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

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

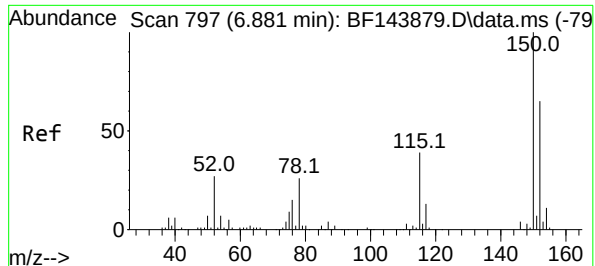
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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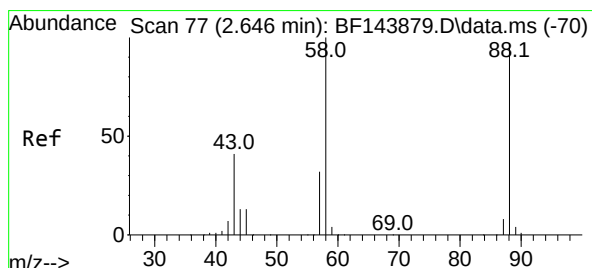
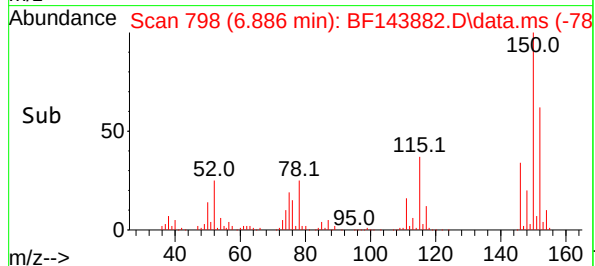
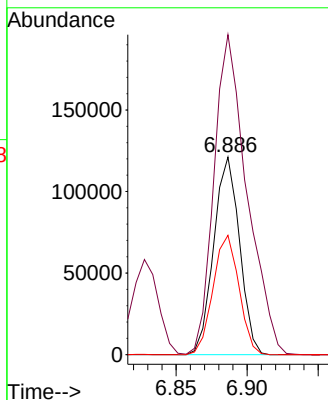
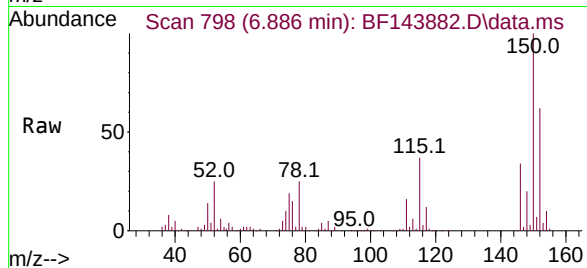
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

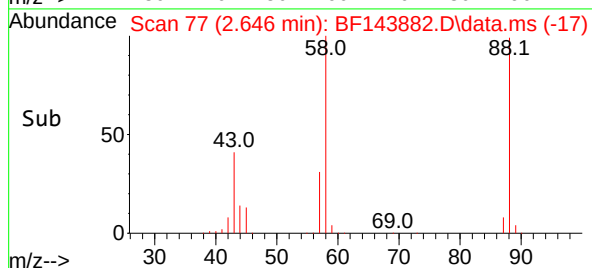
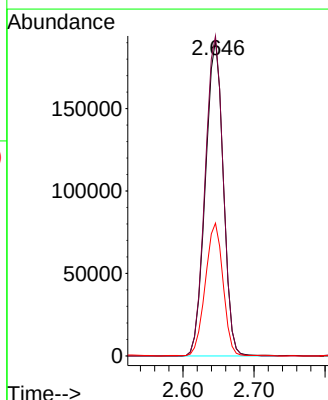
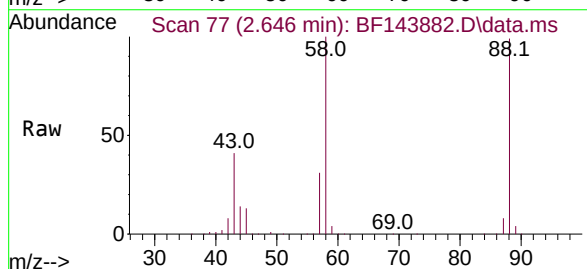
Manual Integrations
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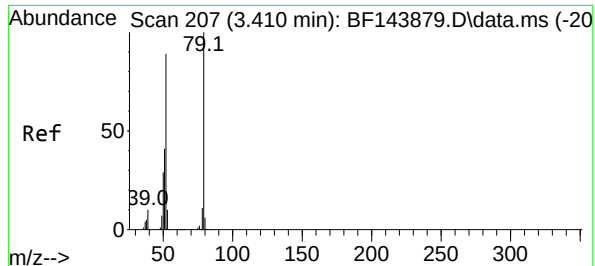
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

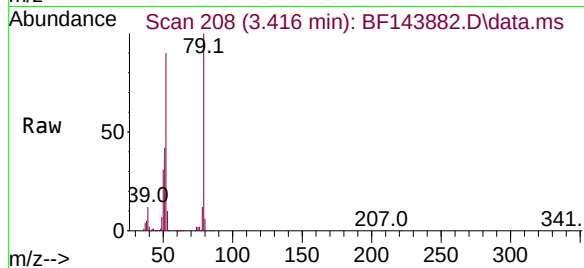
Tgt Ion: 88 Resp: 334123
Ion Ratio Lower Upper
88 100
58 102.1 83.0 124.6
43 41.3 33.9 50.9





#3
Pyridine
Concen: 77.503 ng
RT: 3.416 min Scan# 207
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

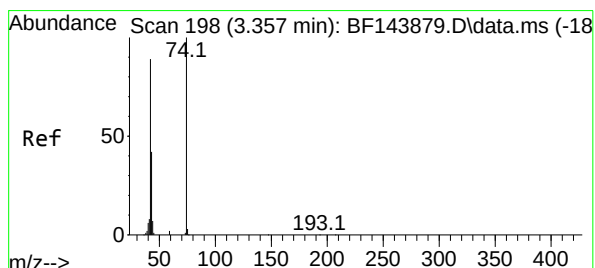
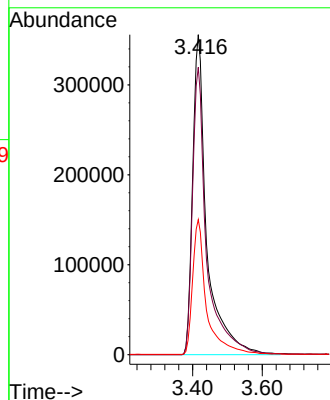
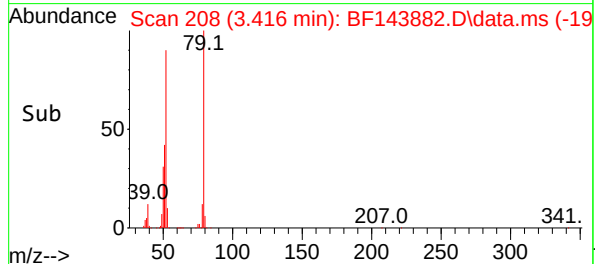
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

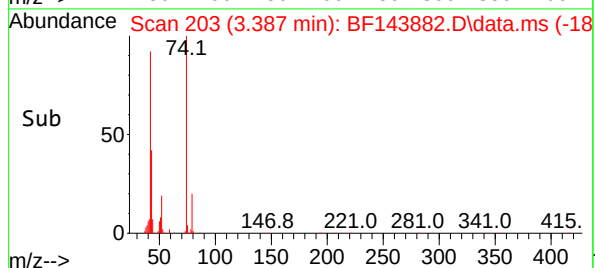
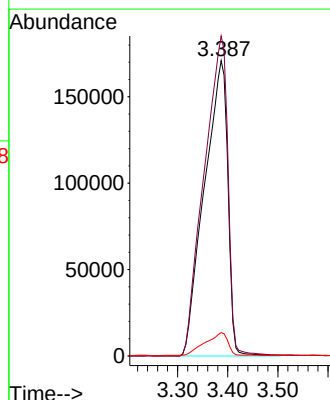
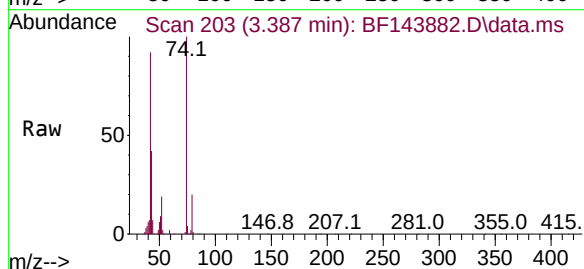
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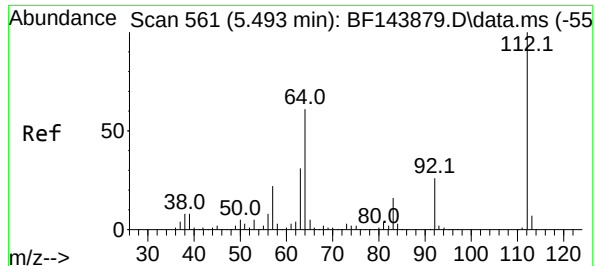
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





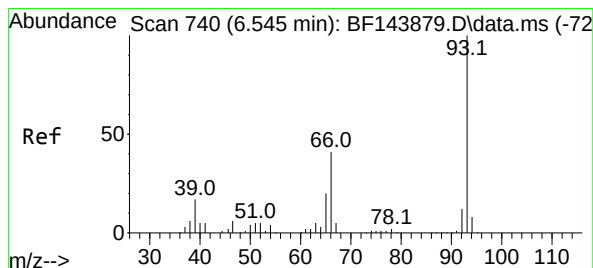
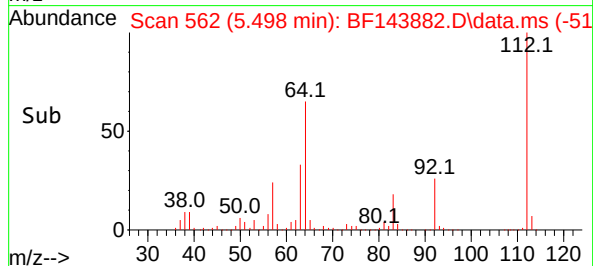
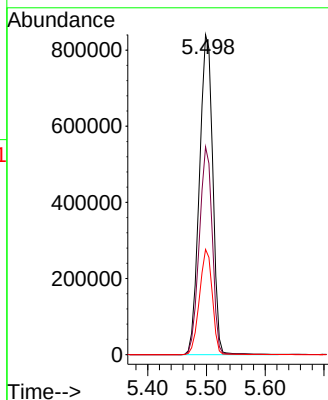
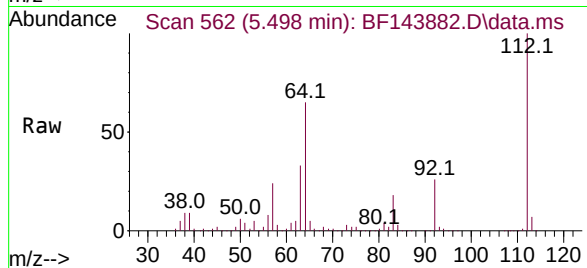
#5
2-Fluorophenol
Concen: 137.113 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1325806
Ion Ratio Lower Upper
112 100
64 64.9 49.1 73.7
63 32.9 24.5 36.7

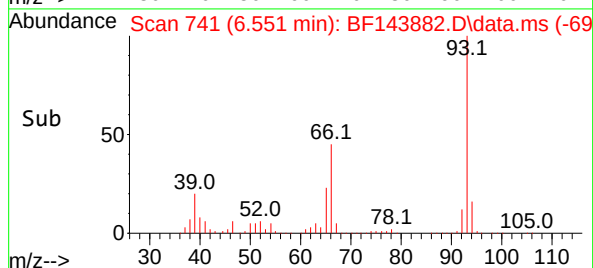
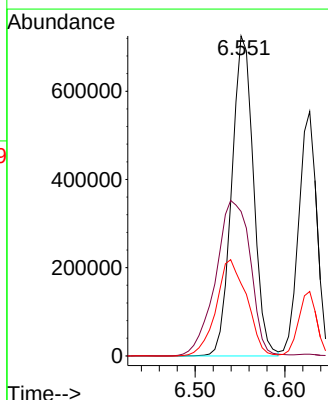
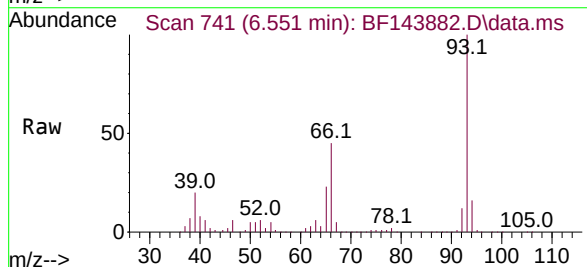
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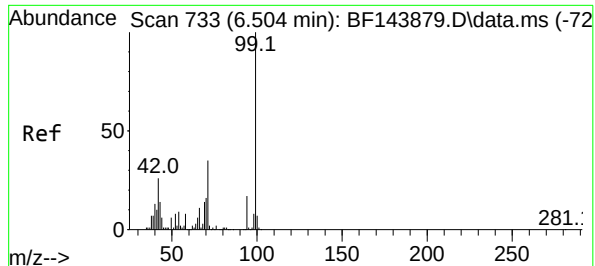
Reviewed By :Rahul Chavli 10/07/2025
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#6
Aniline
Concen: 71.012 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

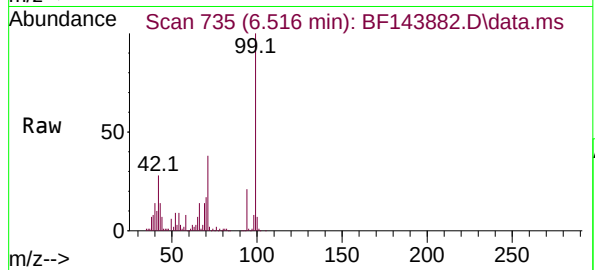
Tgt Ion: 93 Resp: 1226438
Ion Ratio Lower Upper
93 100
66 45.1 33.0 49.6
65 22.6 15.8 23.8





#7
Phenol-d6
Concen: 140.374 ng
RT: 6.516 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

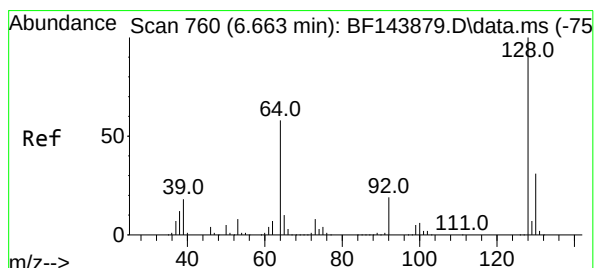
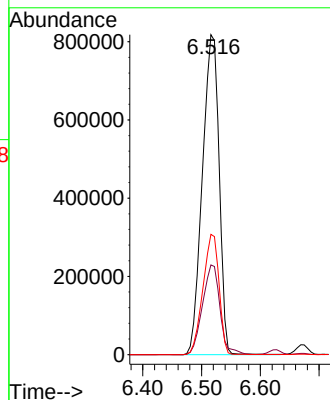
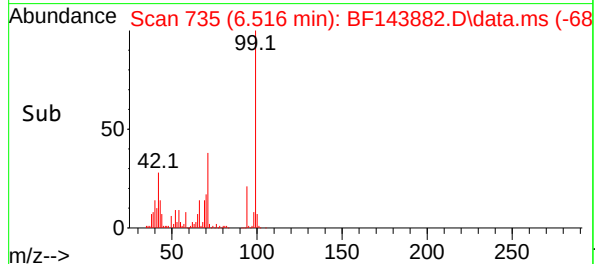
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 99 Resp: 1617892
Ion Ratio Lower Upper
99 100
42 28.0 21.0 31.4
71 37.6 27.8 41.8

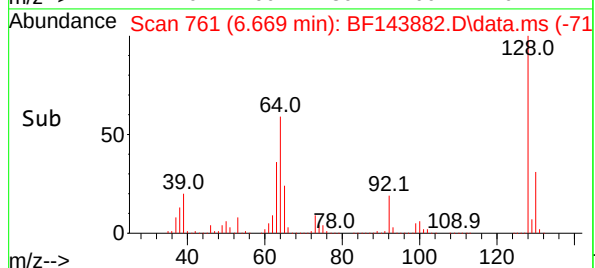
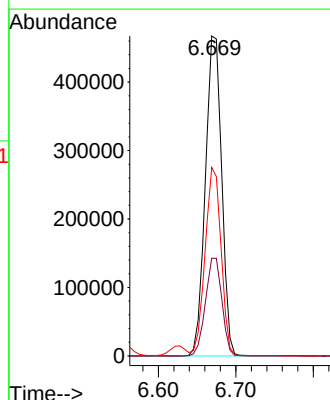
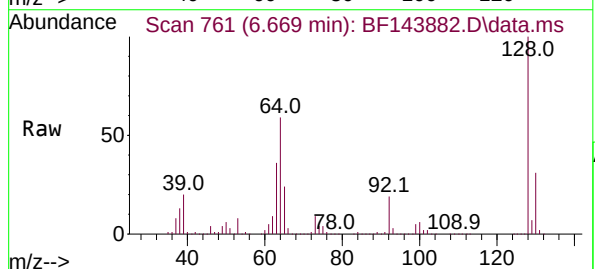
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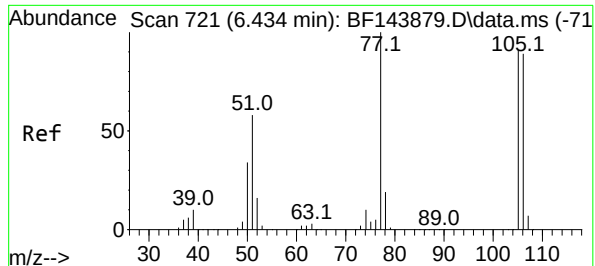
Reviewed By :Rahul Chavli 10/07/2025
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#8
2-Chlorophenol
Concen: 72.356 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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# 721

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 546849

Ion Ratio Lower Upper

77 100

105 91.5 70.9 110.9

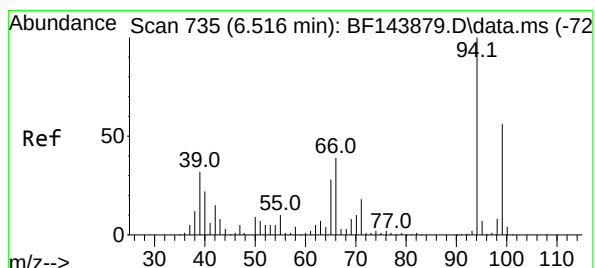
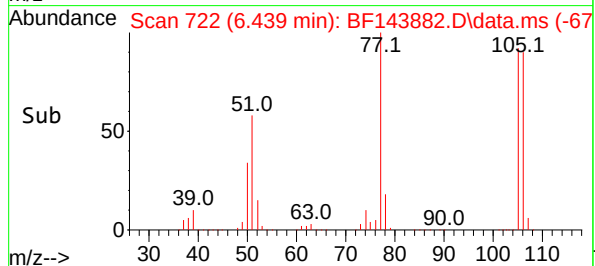
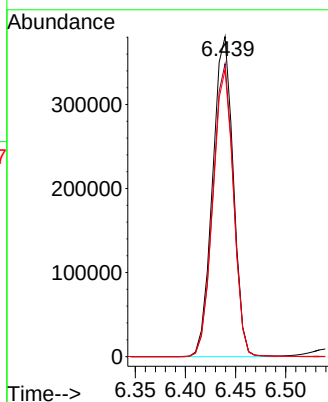
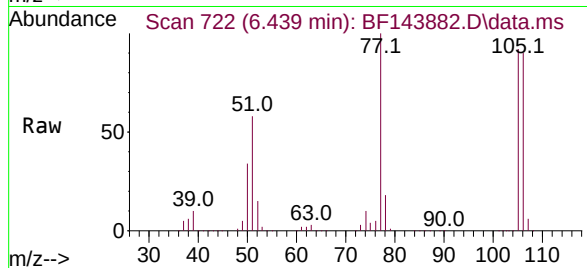
106 89.6 68.9 108.9

Manual Integrations

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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

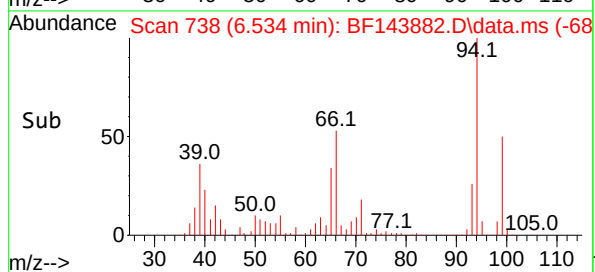
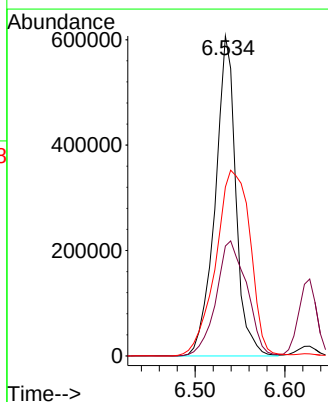
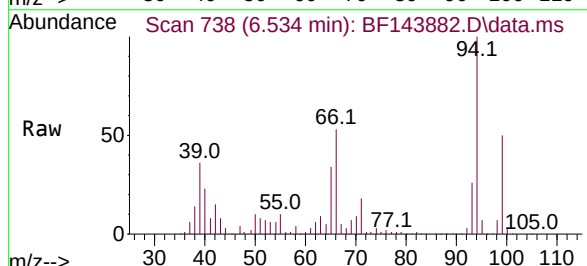
Tgt Ion: 94 Resp: 976173

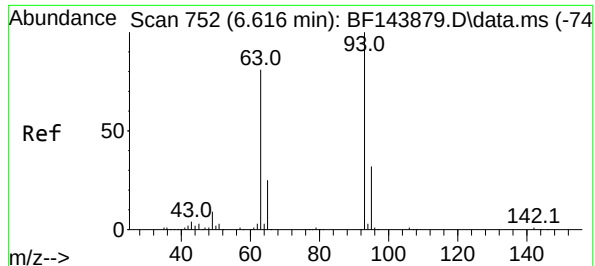
Ion Ratio Lower Upper

94 100

65 34.4 8.5 48.5

66 52.8 19.9 59.9





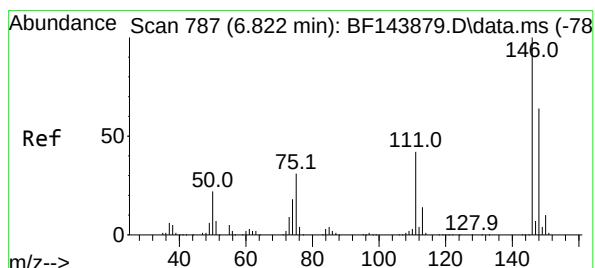
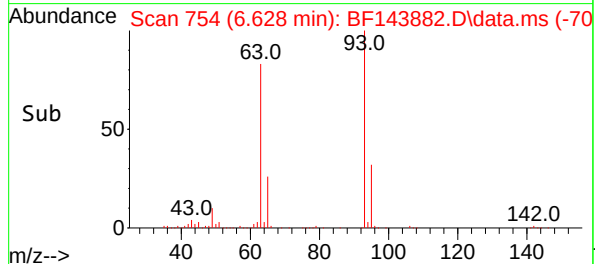
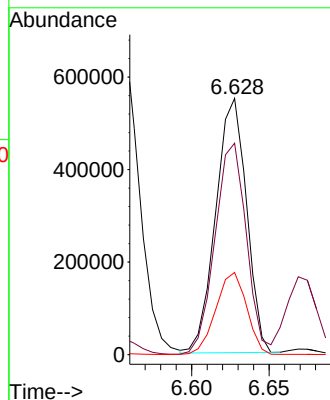
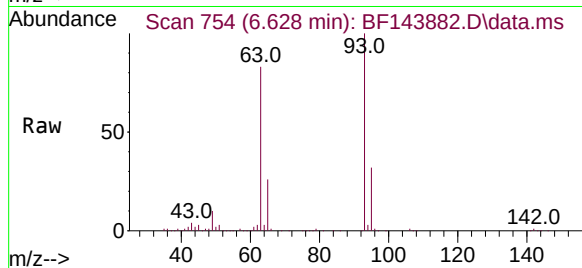
#11
bis(2-Chloroethyl)ether
Concen: 71.438 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 760388
Ion Ratio Lower Upper
93 100
63 82.5 60.9 100.9
95 32.0 11.5 51.5

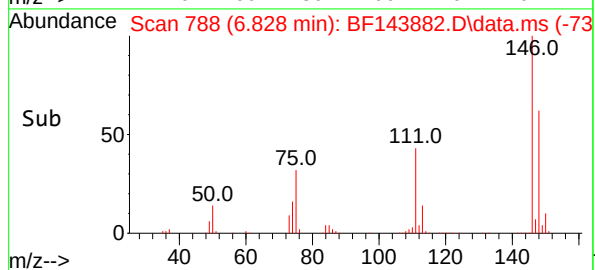
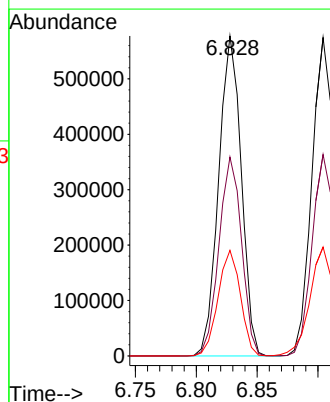
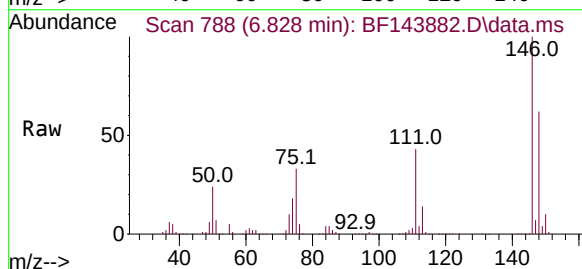
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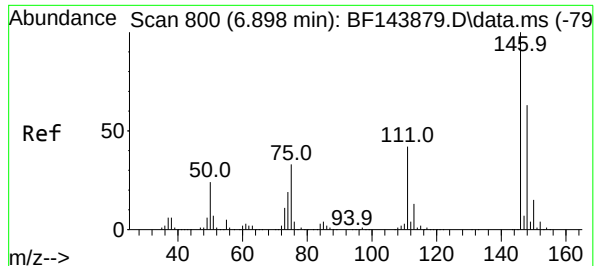
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 80

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 727973

Ion Ratio Lower Upper

146 100

148 63.2 50.5 75.7

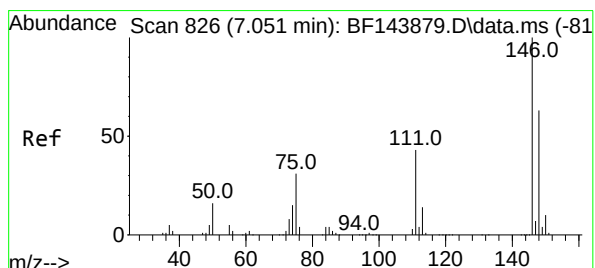
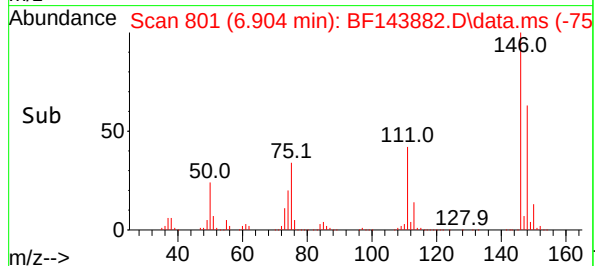
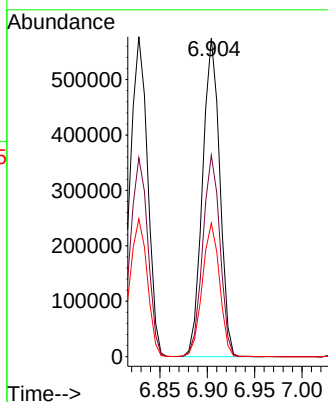
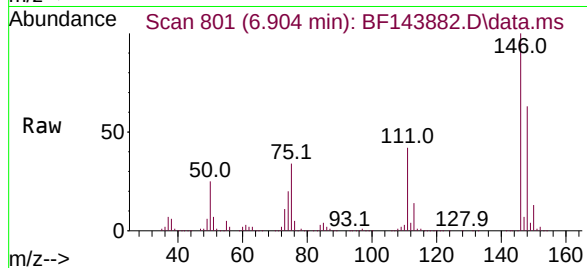
111 42.0 33.4 50.0

Manual Integrations

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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

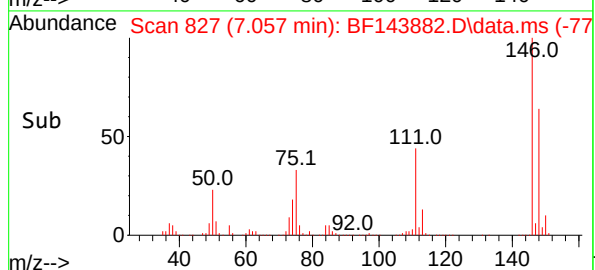
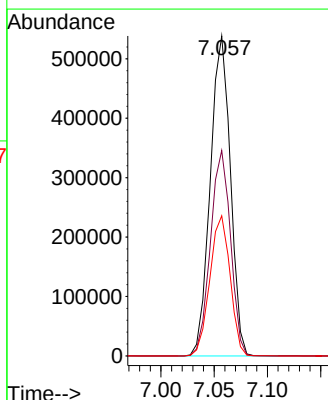
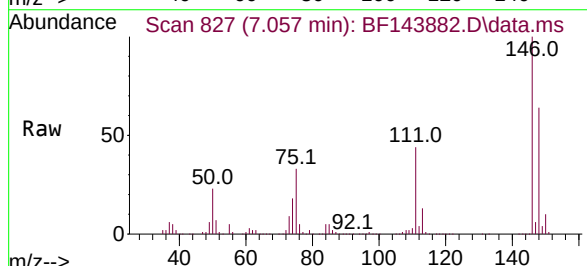
Tgt Ion:146 Resp: 708144

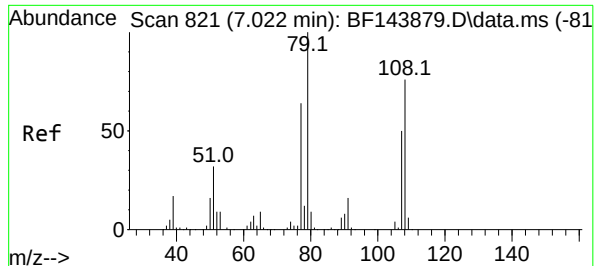
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 664305

Ion Ratio Lower Upper

79 100

108 73.0 60.8 91.2

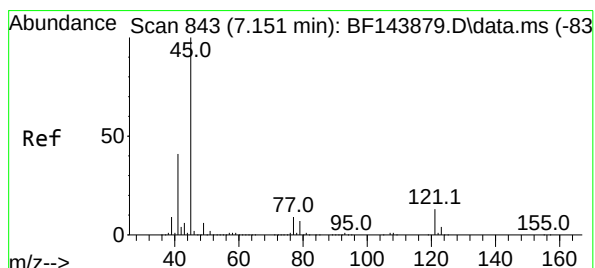
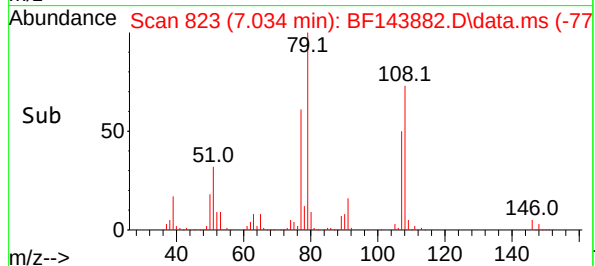
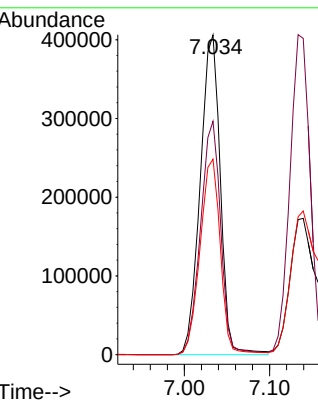
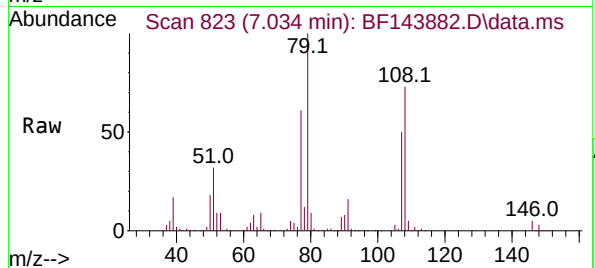
77 61.1 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

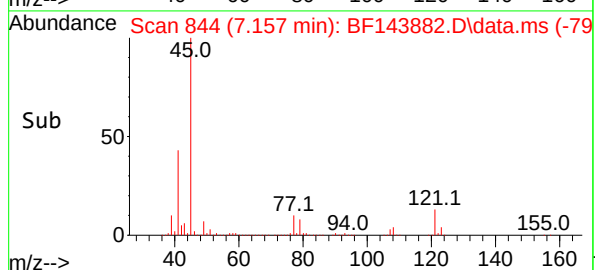
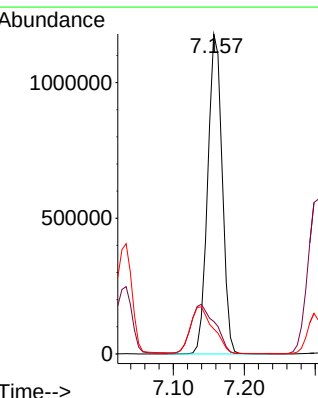
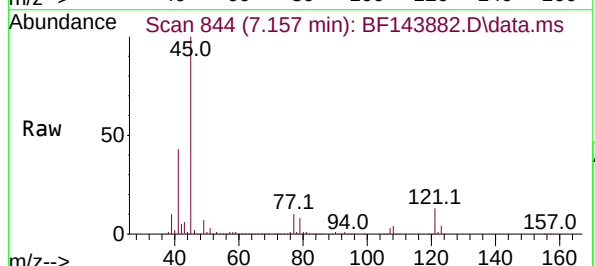
Tgt Ion: 45 Resp: 1670583

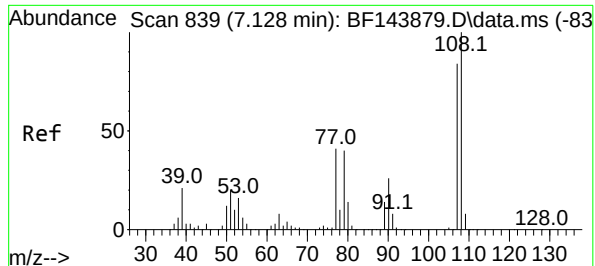
Ion Ratio Lower Upper

45 100

77 10.1 0.0 29.0

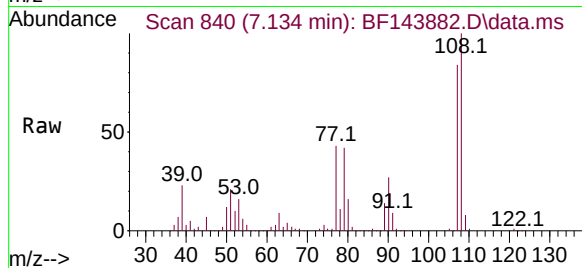
79 7.8 0.0 26.8





#17
2-Methylphenol
Concen: 72.921 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

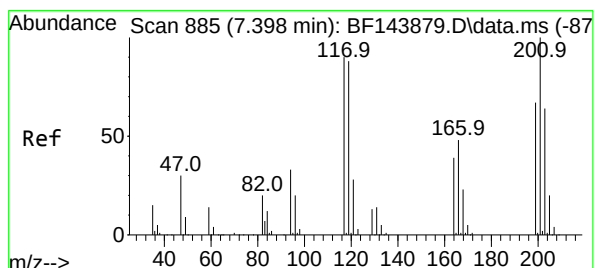
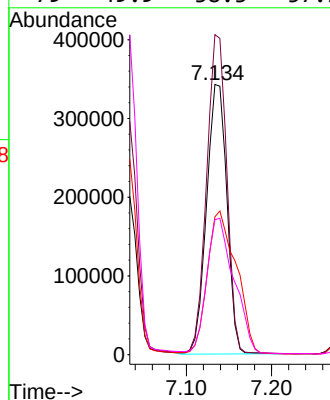
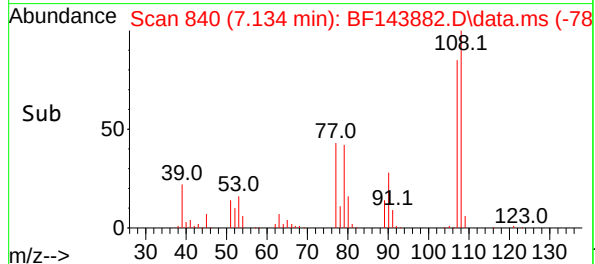
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



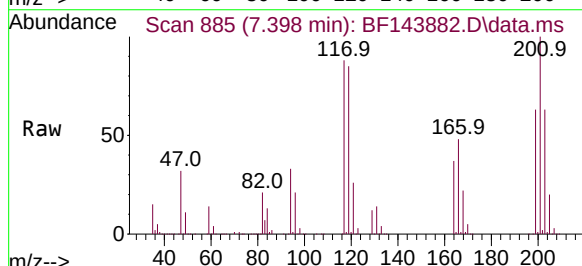
Tgt Ion:107 Resp: 569618
Ion Ratio Lower Upper
107 100
108 118.5 94.7 142.1
77 51.0 38.8 58.2
79 49.9 38.3 57.5

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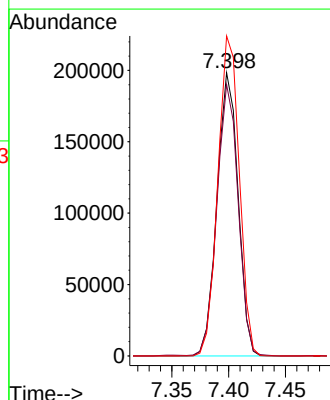
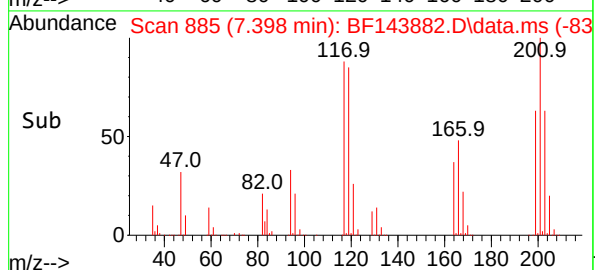
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

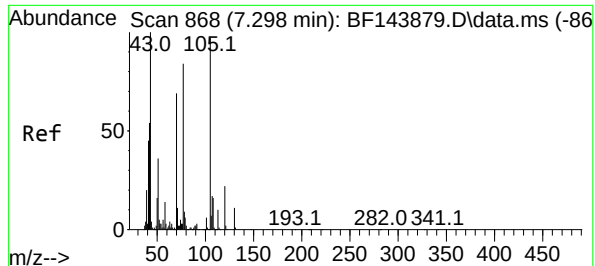


#18
Hexachloroethane
Concen: 68.827 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



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# 81

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

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

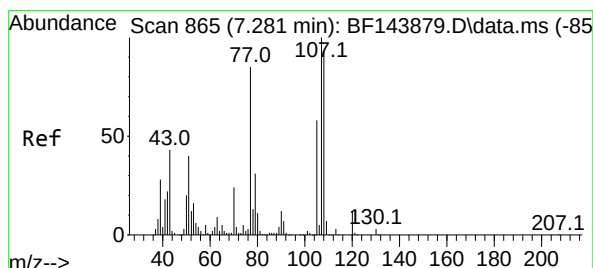
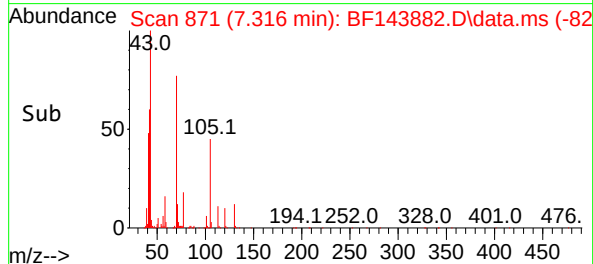
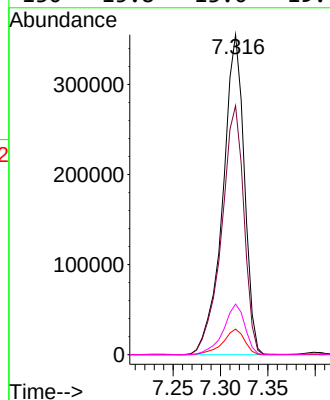
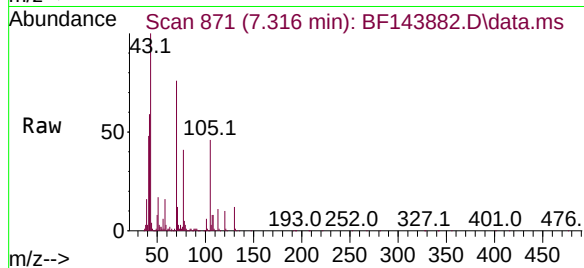
130 15.8 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

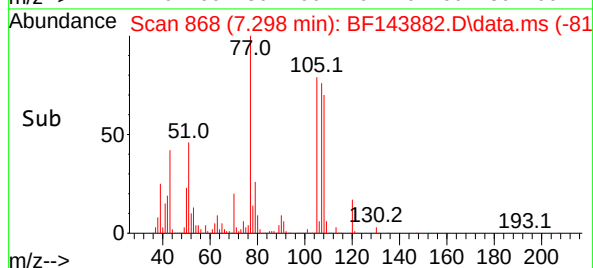
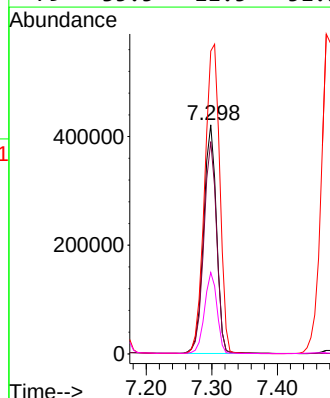
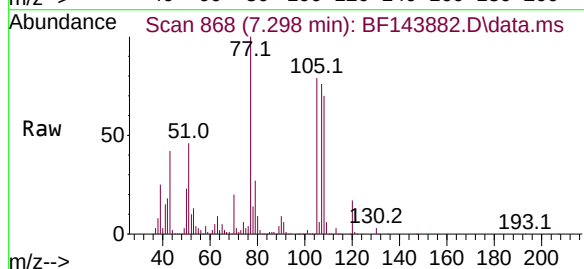
Ion Ratio Lower Upper

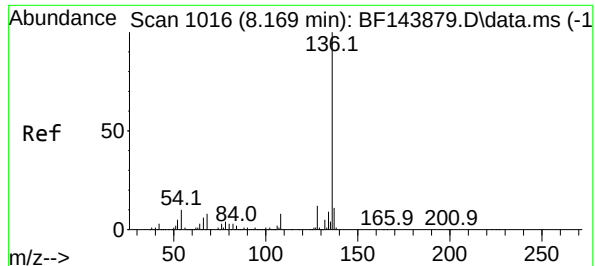
107 100

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# 1016

Delta R.T. -0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:136 Resp: 584564

Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.9 8.2 12.4

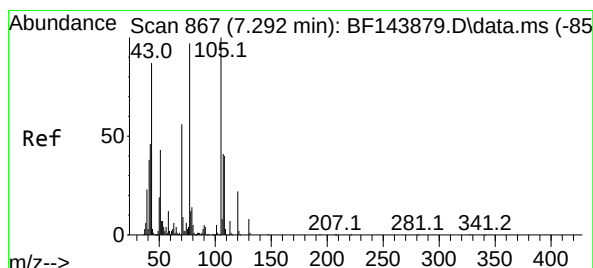
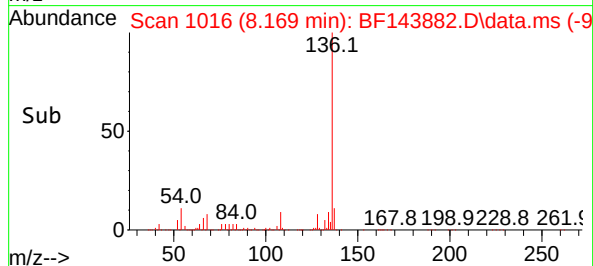
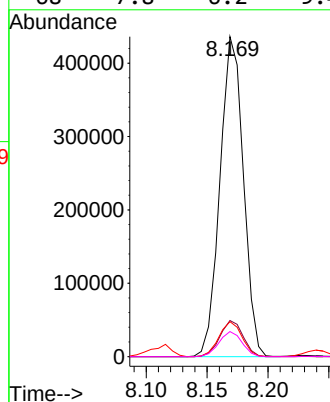
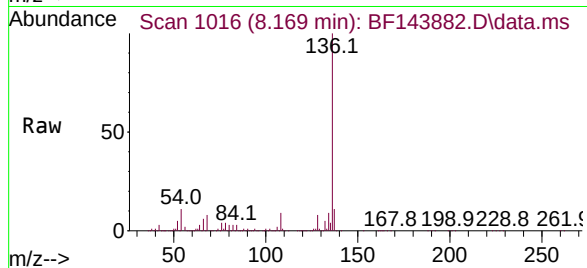
68 7.8 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

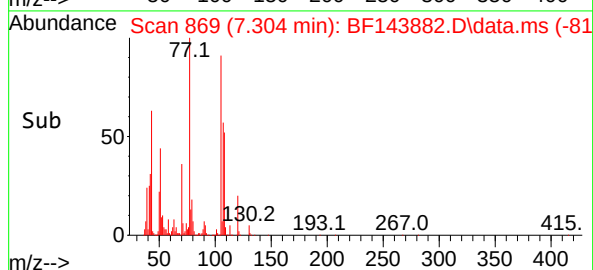
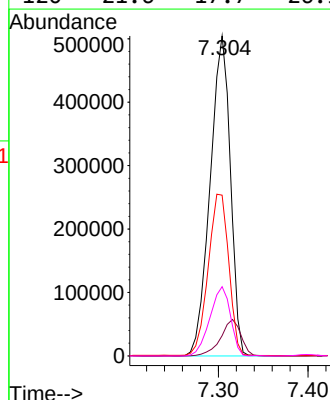
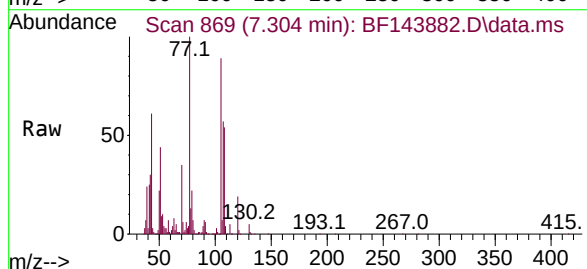
Ion Ratio Lower Upper

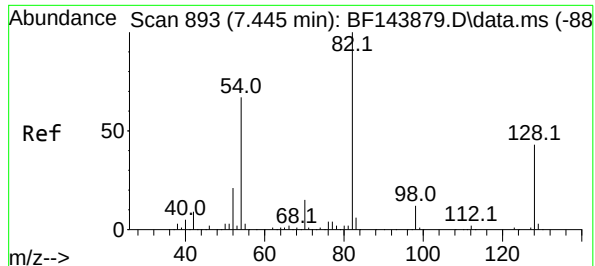
105 100

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# 895

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1436124

Ion Ratio Lower Upper

82 100

128 41.6 34.0 51.0

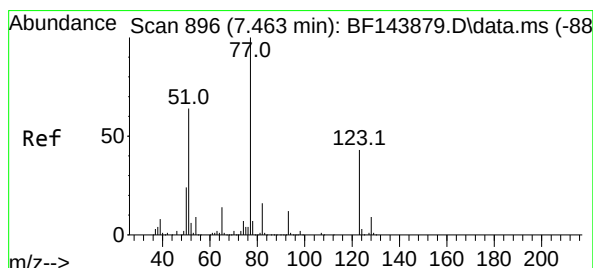
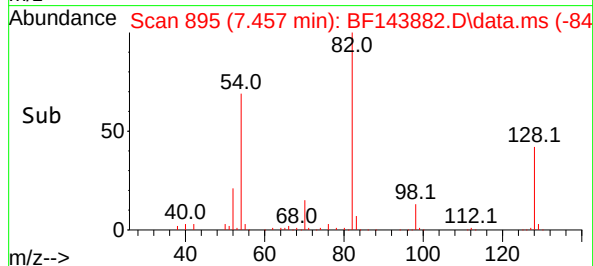
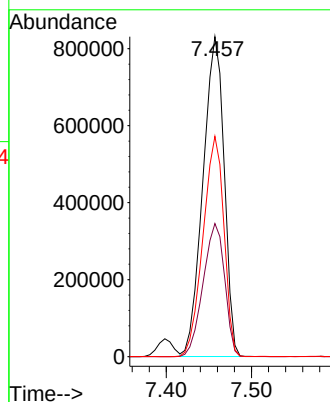
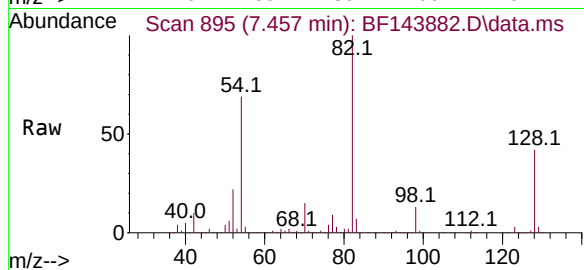
54 68.8 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

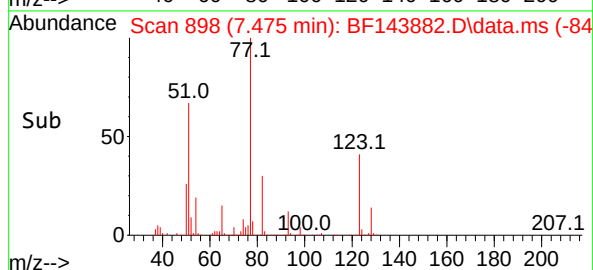
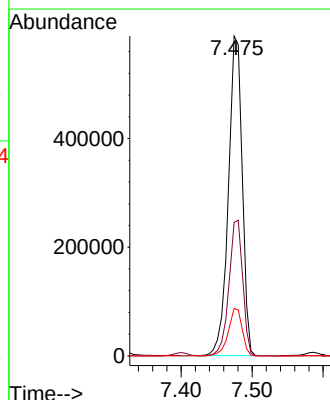
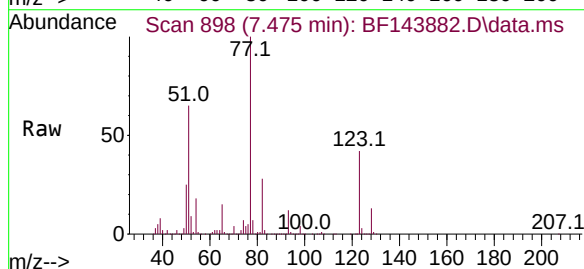
Tgt Ion: 77 Resp: 800306

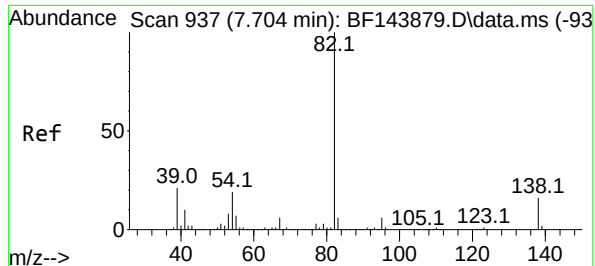
Ion Ratio Lower Upper

77 100

123 41.7 34.2 51.4

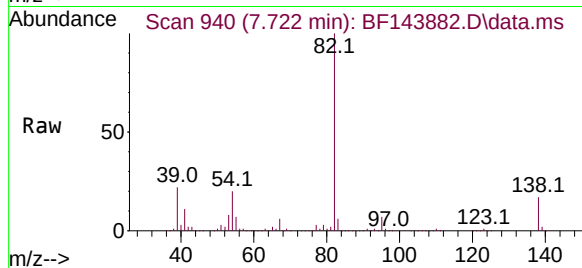
65 14.8 11.0 16.6





#25
Isophorone
Concen: 75.651 ng
RT: 7.722 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

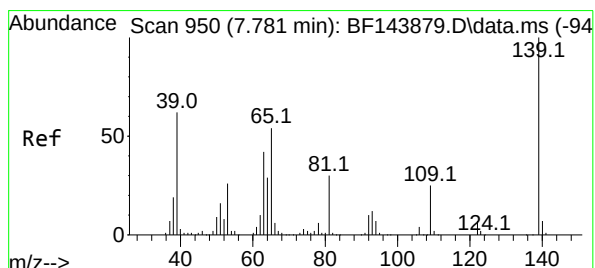
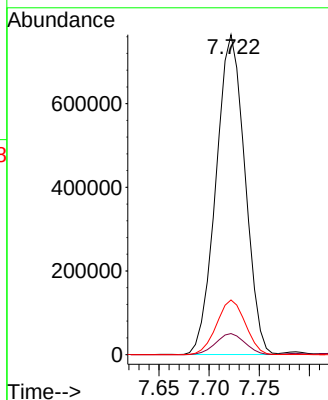
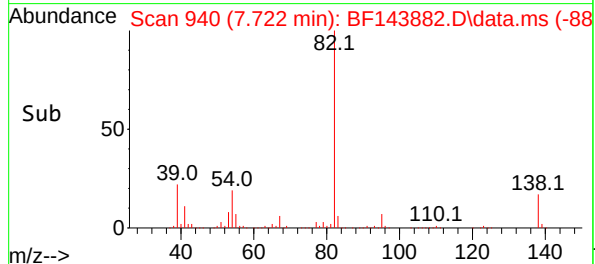
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



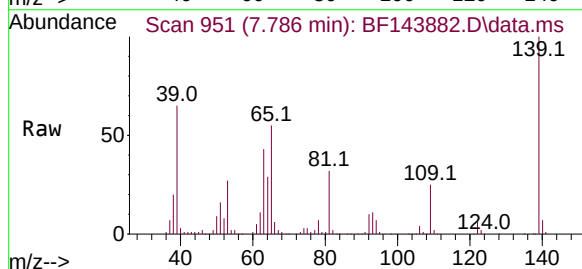
Tgt Ion: 82 Resp: 153478
Ion Ratio Lower Upper
82 100
95 6.6 5.1 7.7
138 17.1 12.9 19.3

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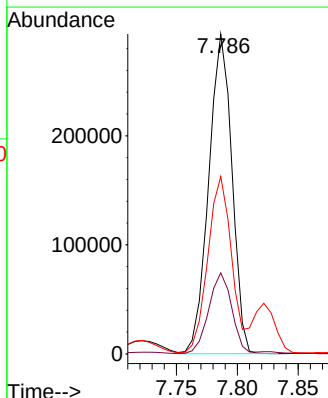
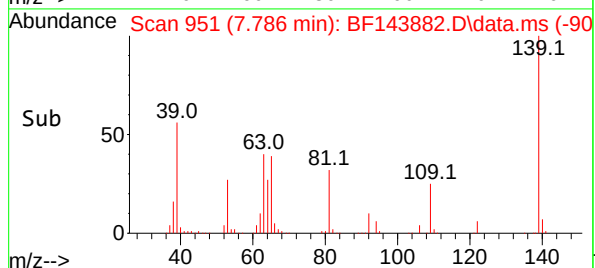
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

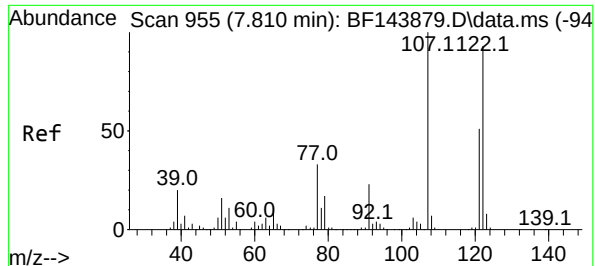


#26
2-Nitrophenol
Concen: 84.948 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



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# 91

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 616626

Ion Ratio Lower Upper

122 100

107 108.9 86.1 129.1

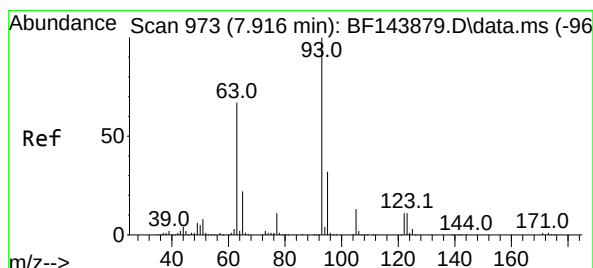
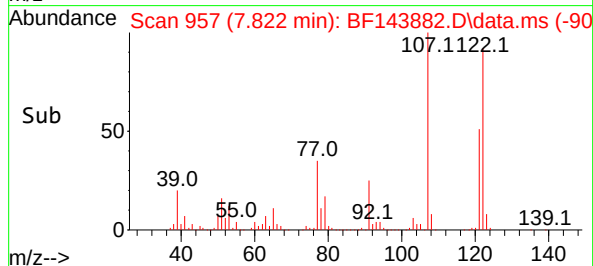
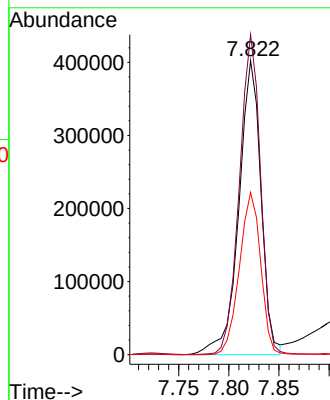
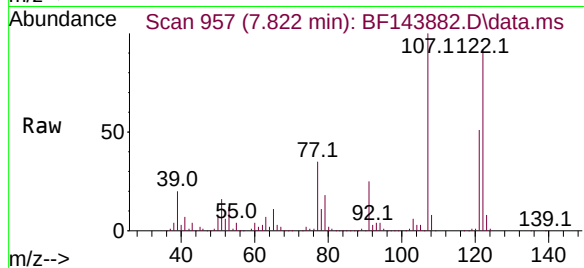
121 55.2 43.8 65.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

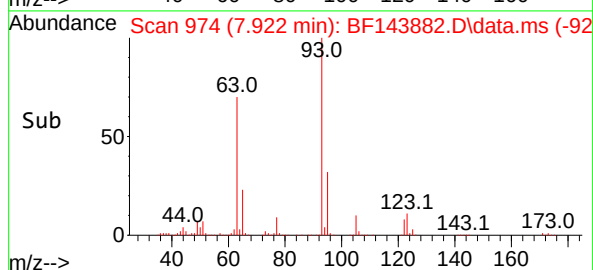
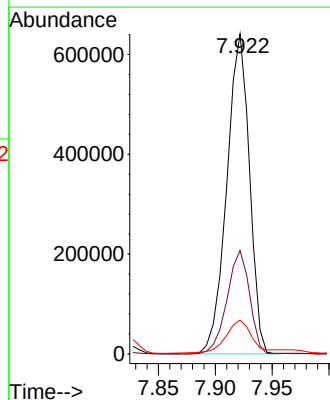
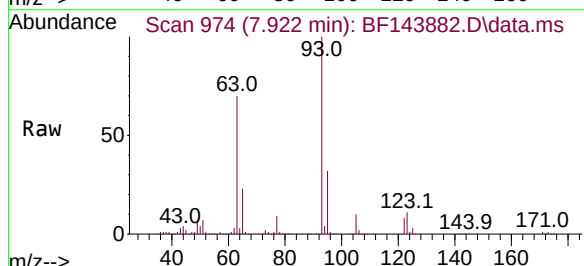
Tgt Ion: 93 Resp: 888473

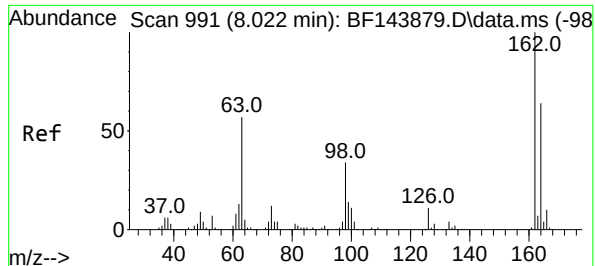
Ion Ratio Lower Upper

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# 991

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 620755

Ion Ratio Lower Upper

162 100

164 62.6 43.9 83.9

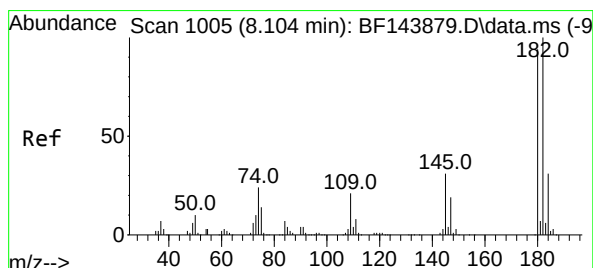
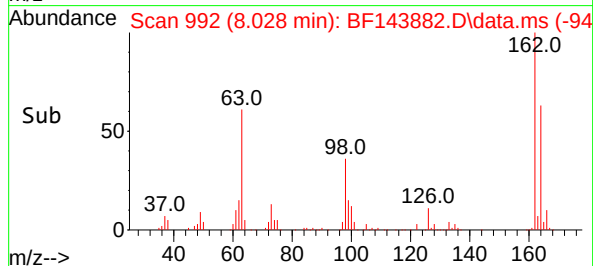
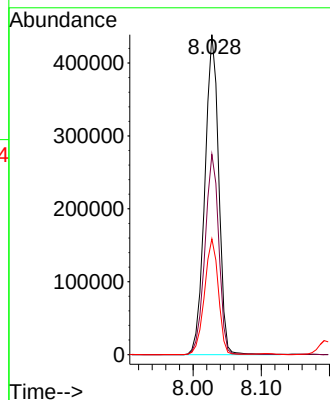
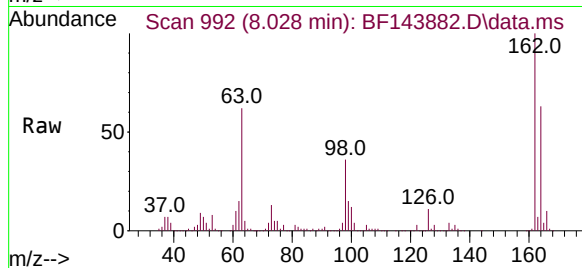
98 36.2 14.4 54.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

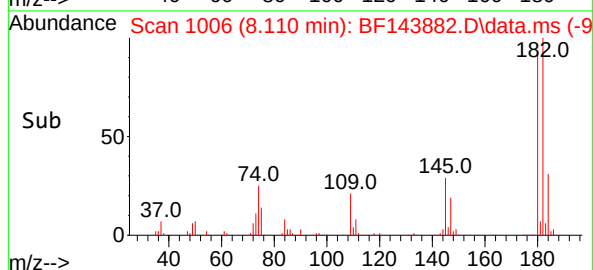
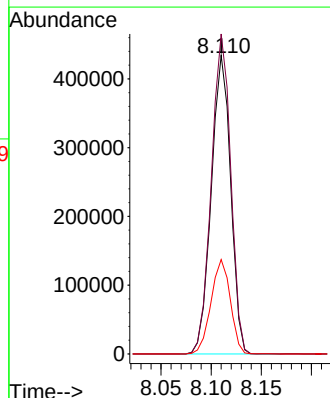
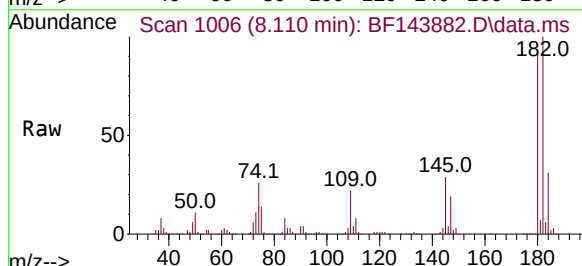
Tgt Ion:180 Resp: 583022

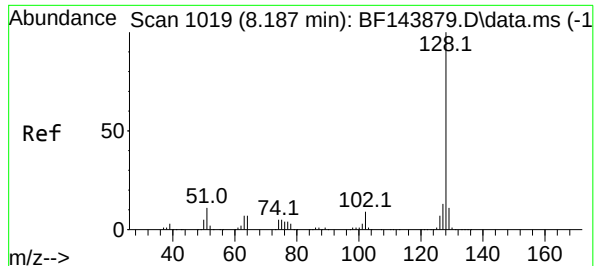
Ion Ratio Lower Upper

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# 1019

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:128 Resp: 1710914

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

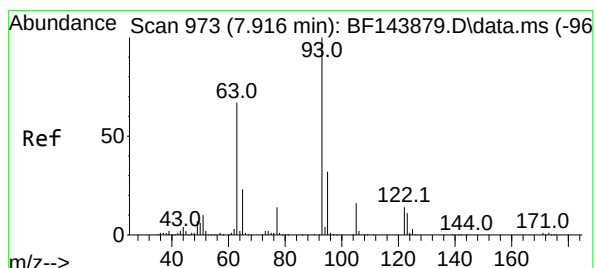
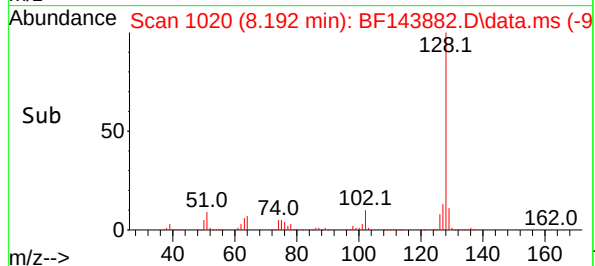
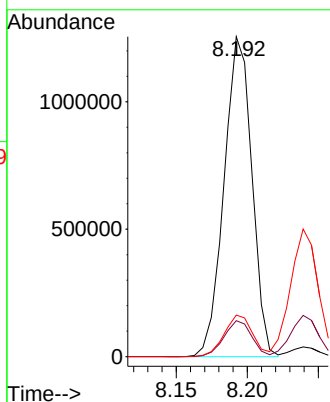
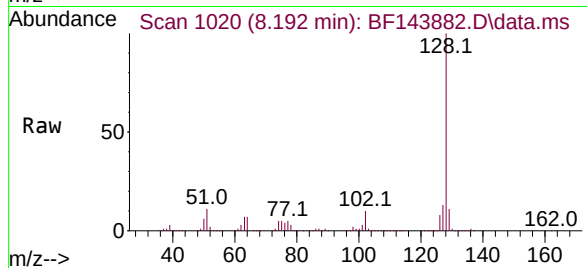
127 13.0 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

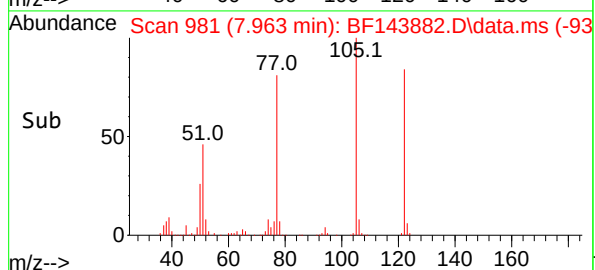
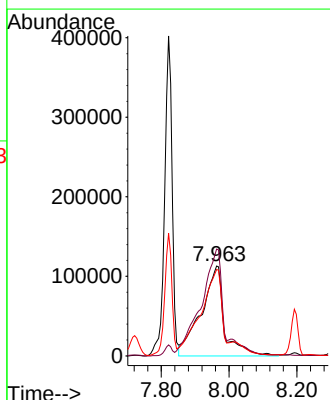
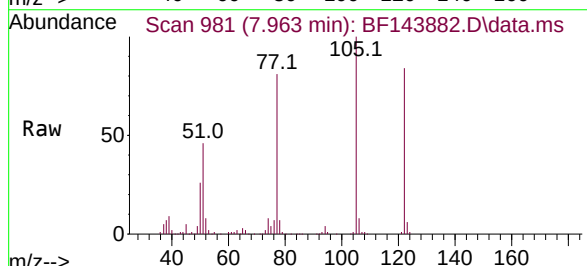
Tgt Ion:122 Resp: 539440

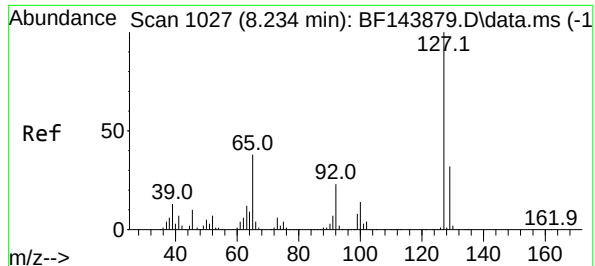
Ion Ratio Lower Upper

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# 1027

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 697350

Ion Ratio Lower Upper

127 100

129 32.3 25.8 38.8

65 39.2 30.0 45.0

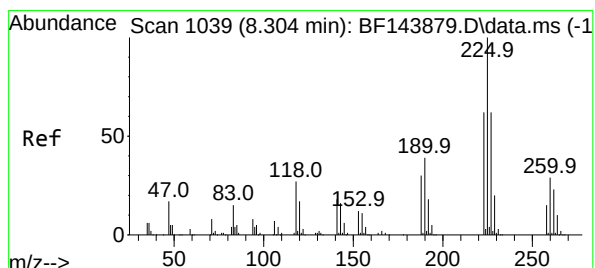
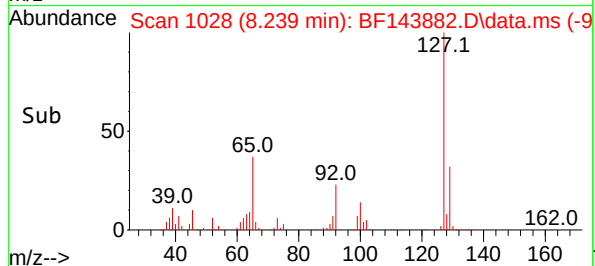
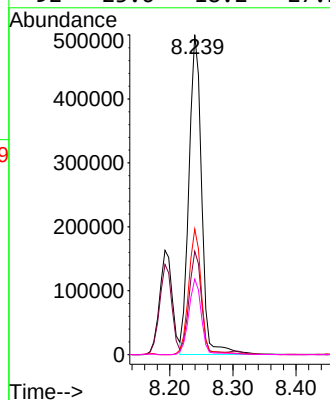
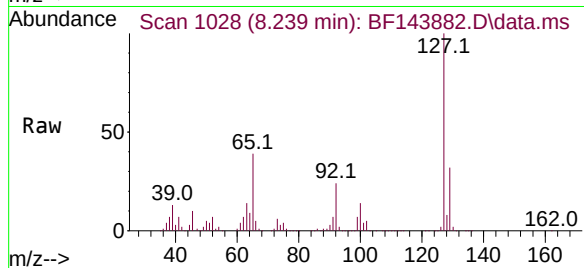
92 23.6 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

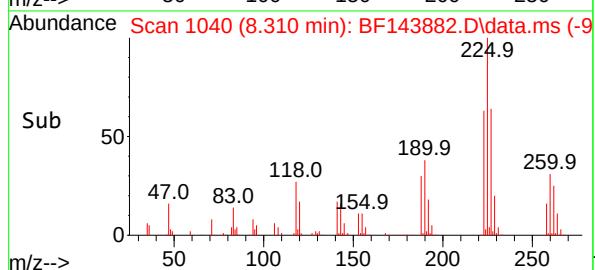
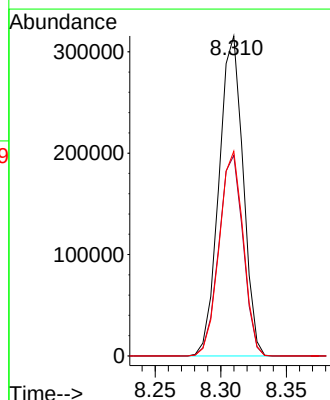
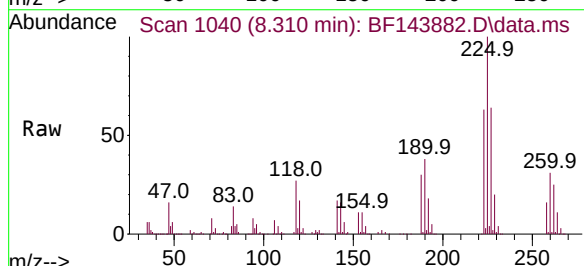
Tgt Ion:225 Resp: 404619

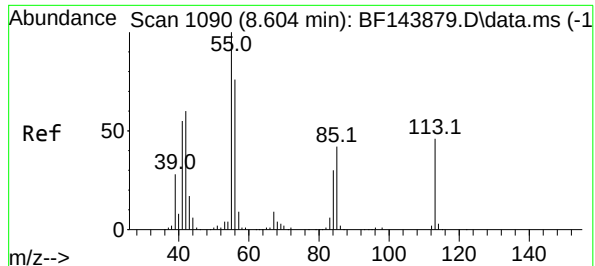
Ion Ratio Lower Upper

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# 1090

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:113 Resp: 21880

Ion Ratio Lower Upper

113 100

55 216.6 199.6 239.6

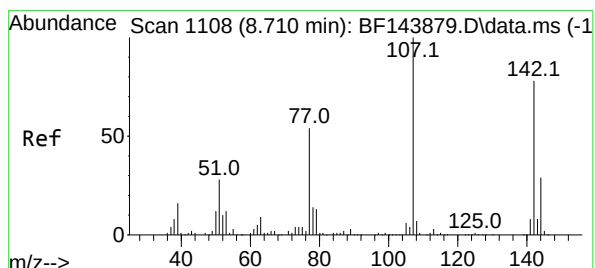
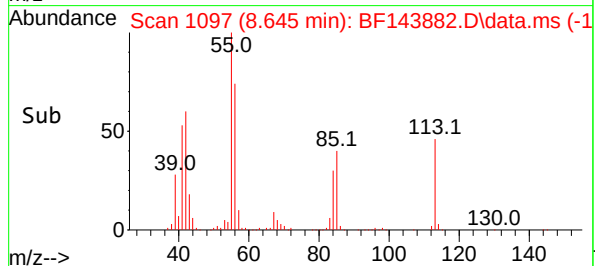
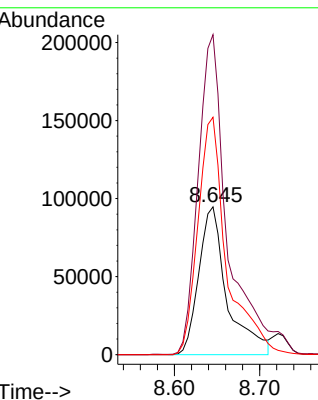
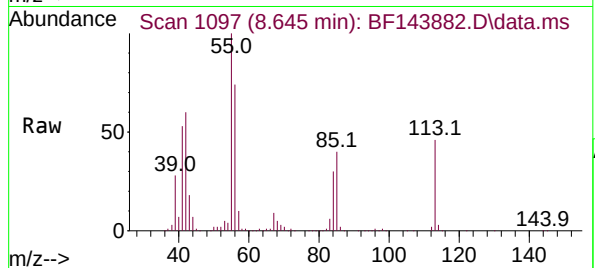
56 160.6 146.0 186.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

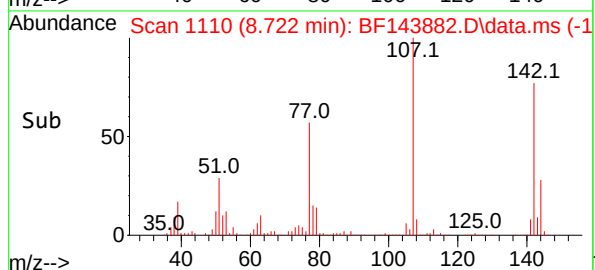
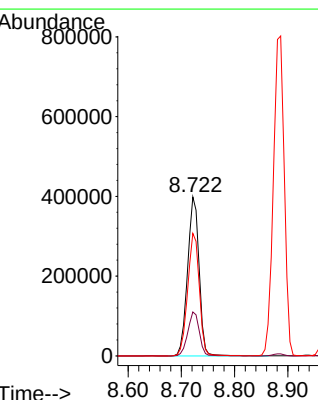
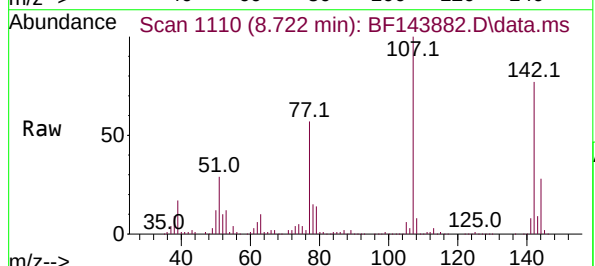
Tgt Ion:107 Resp: 598614

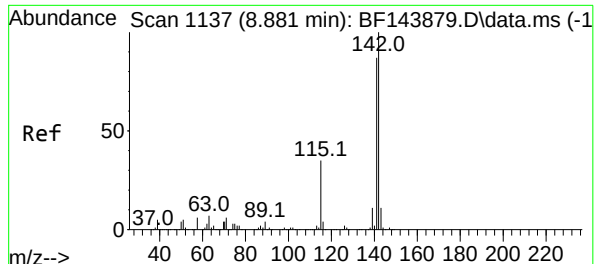
Ion Ratio Lower Upper

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# 1137

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:142 Resp: 1138146

Ion Ratio Lower Upper

142 100

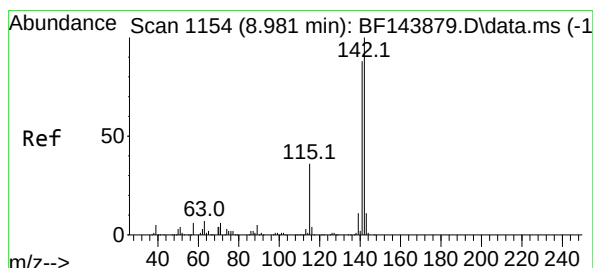
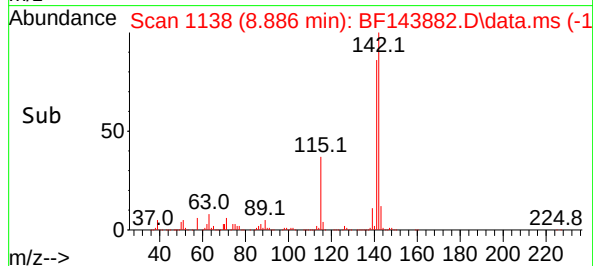
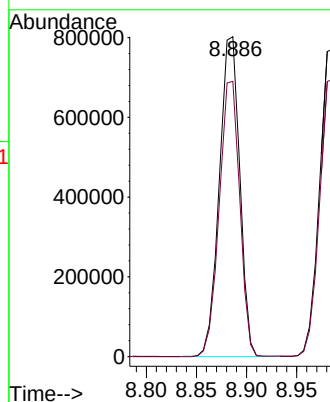
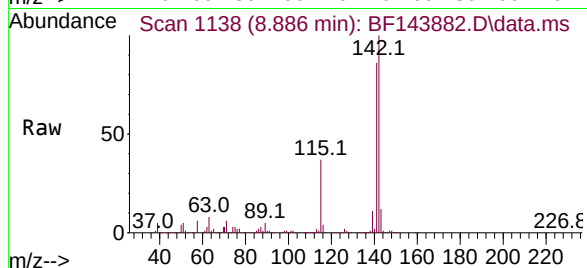
141 86.0 69.2 103.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#38

1-Methylnaphthalene

Concen: 63.318 ng

RT: 8.986 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF143882.D

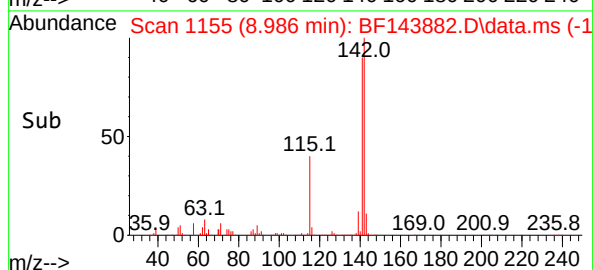
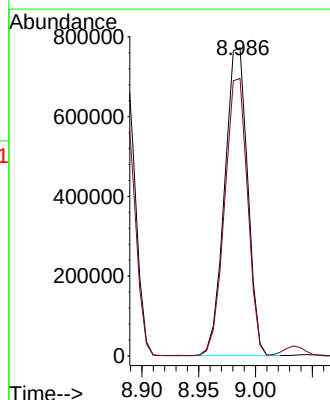
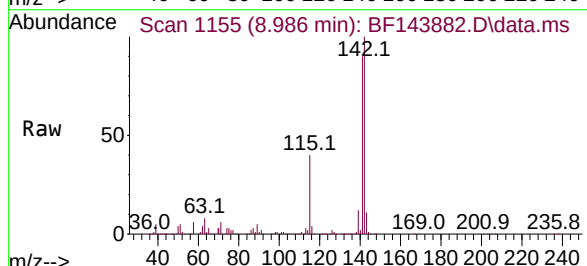
Acq: 06 Oct 2025 14:22

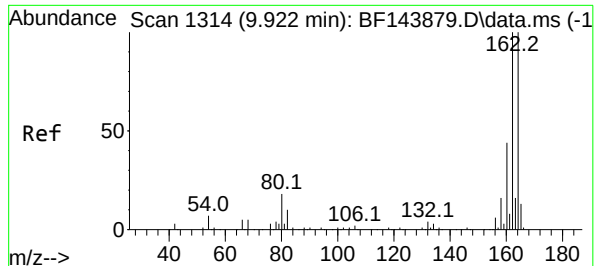
Tgt Ion:142 Resp: 1087879

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# 1314

Delta R.T. 0.000 min

Lab File: BF143882.D

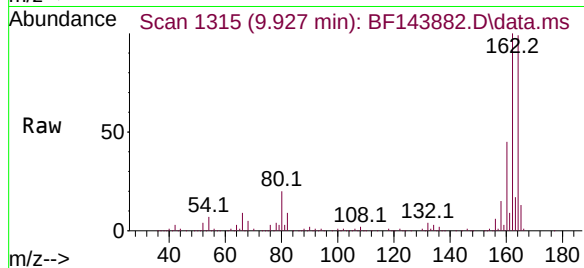
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



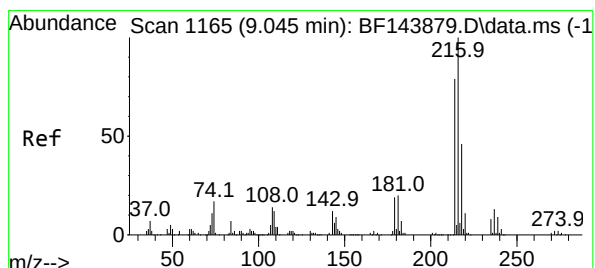
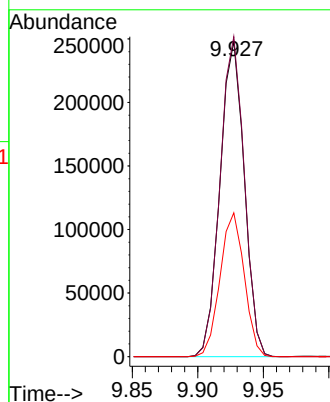
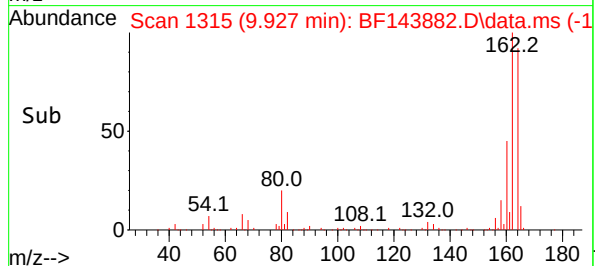
Tgt Ion:	164	Resp:	320335
Ion Ratio	Lower	Upper	
164	100		
162	101.5	80.2	120.2
160	45.6	35.4	53.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

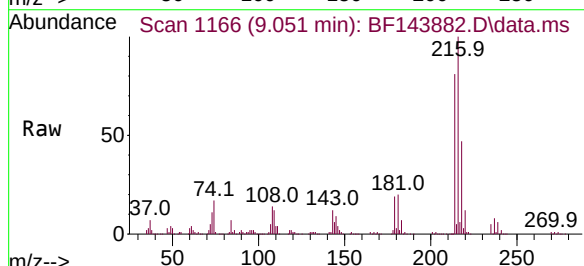
Concen: 67.166 ng

RT: 9.051 min Scan# 1166

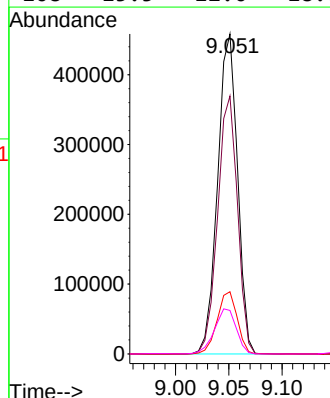
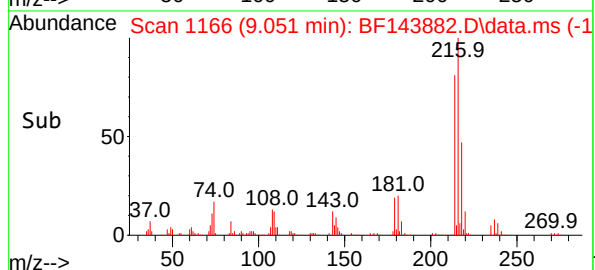
Delta R.T. 0.000 min

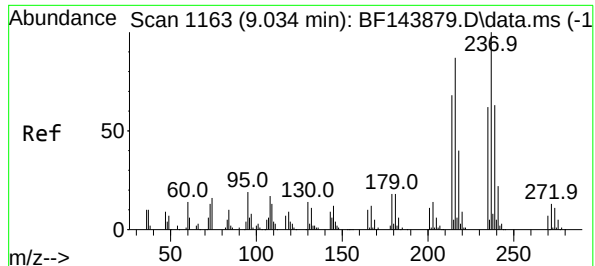
Lab File: BF143882.D

Acq: 06 Oct 2025 14:22



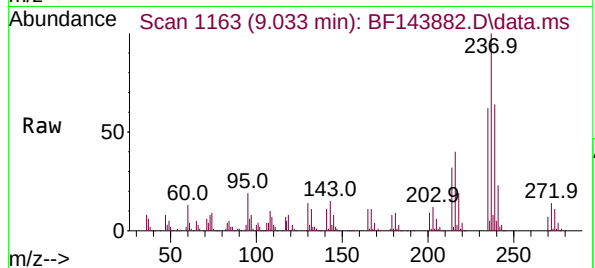
Tgt Ion:	216	Resp:	594660
Ion Ratio	Lower	Upper	
216	100		
214	80.4	62.6	94.0
179	19.6	15.4	23.0
108	15.5	12.0	18.0





#41
Hexachlorocyclopentadiene
Concen: 81.998 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

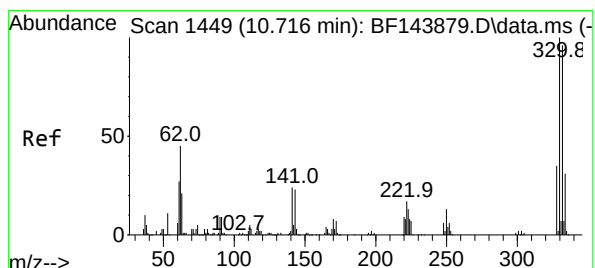
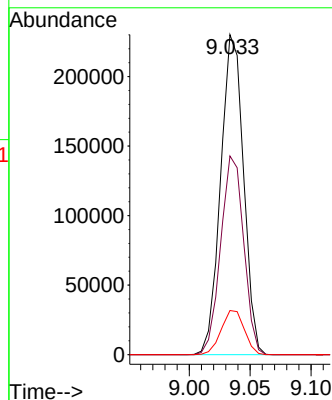
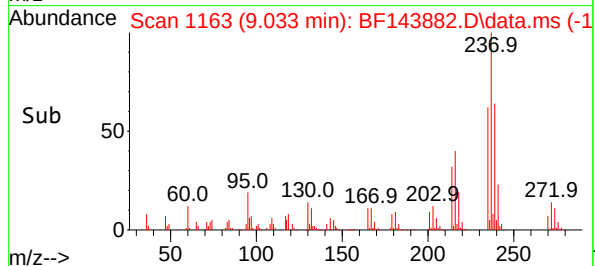
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



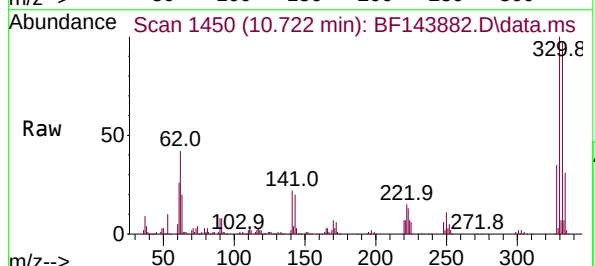
Tgt Ion:237 Resp: 301178
Ion Ratio Lower Upper
237 100
235 62.1 42.3 82.3
272 13.8 0.0 33.1

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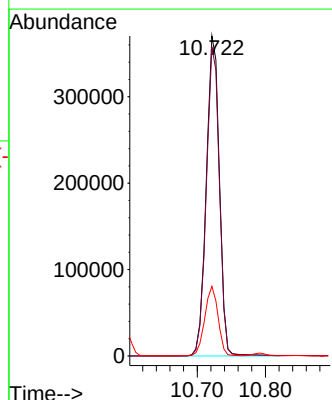
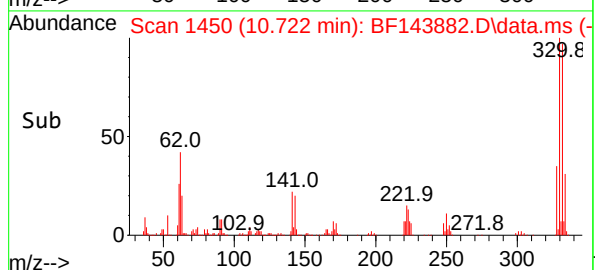
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

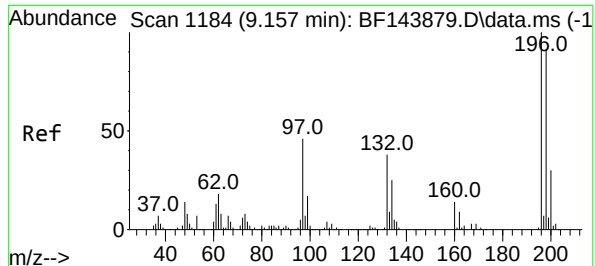


#42
2,4,6-Tribromophenol
Concen: 155.397 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



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# 1185

Delta R.T. 0.000 min

Lab File: BF143882.D

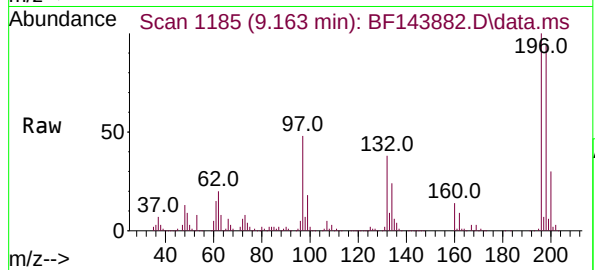
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 481852

Ion Ratio Lower Upper

196 100

198 94.4 72.8 109.2

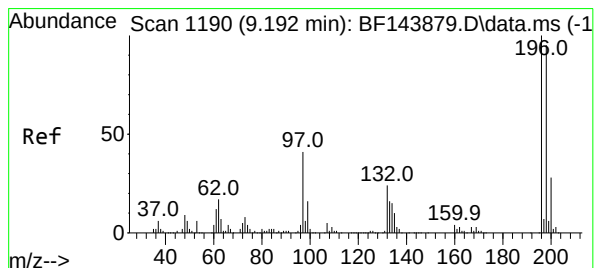
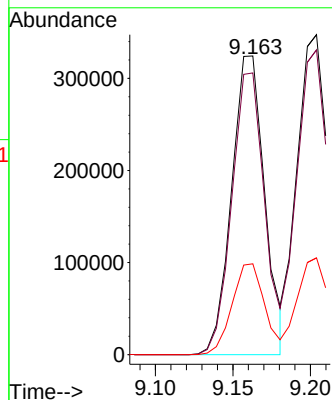
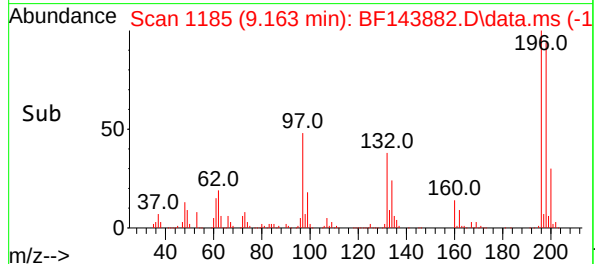
200 30.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

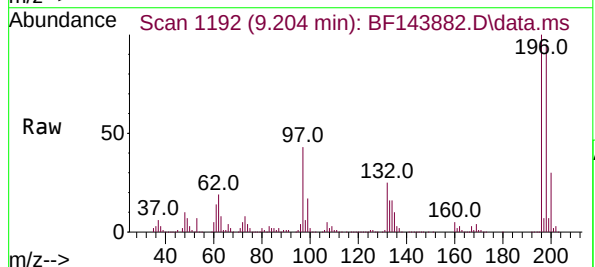
Concen: 71.286 ng

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

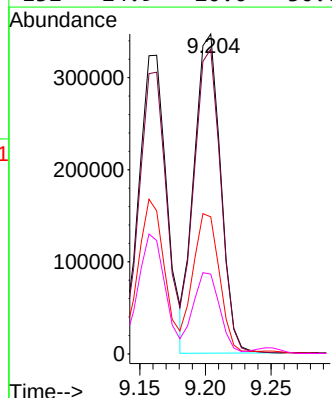
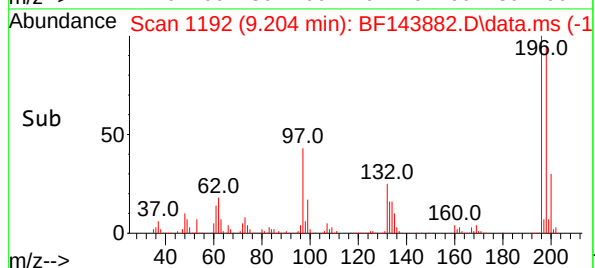
Ion Ratio Lower Upper

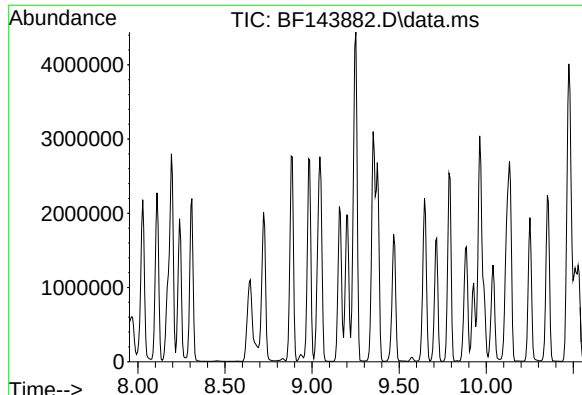
196 100

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 :

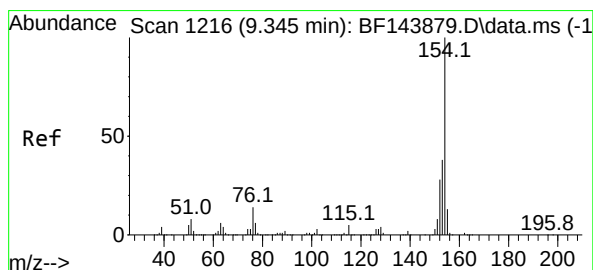
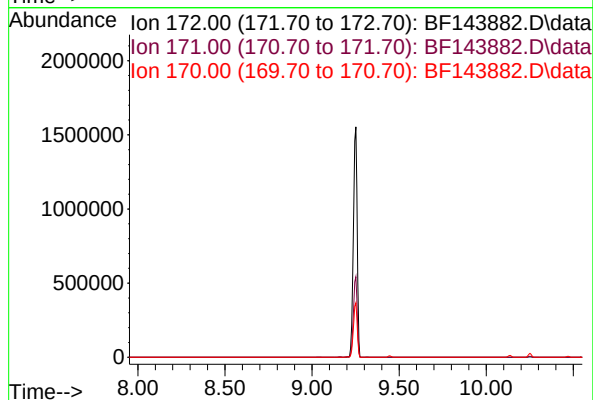
SSTDICC080

Manual Integrations

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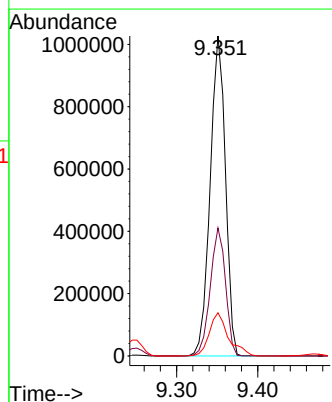
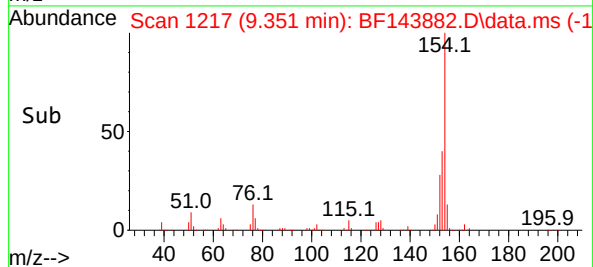
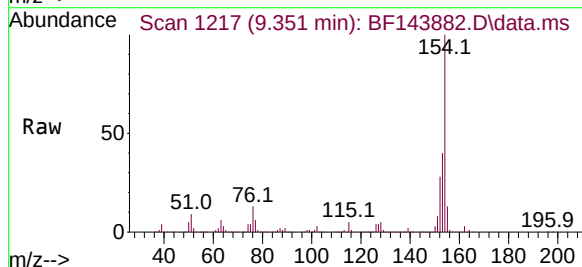
Reviewed By :Rahul Chavli 10/07/2025

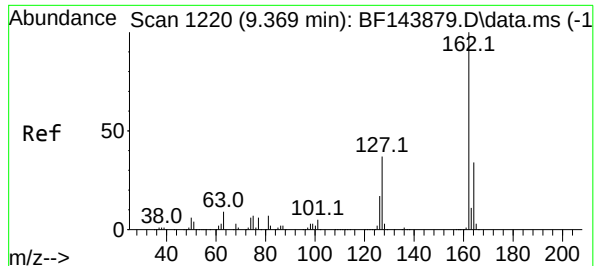
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1221

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 1170019

Ion Ratio Lower Upper

162 100

127 37.1 30.2 45.2

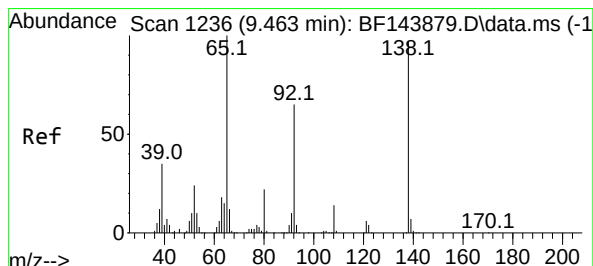
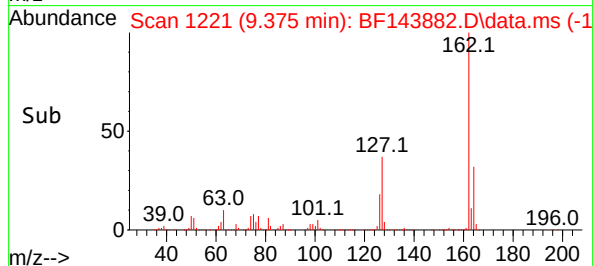
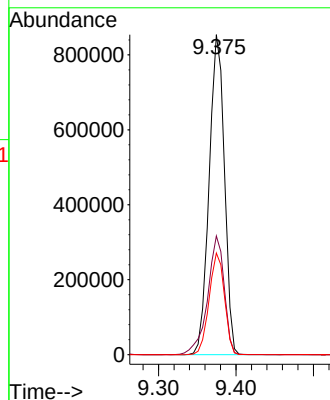
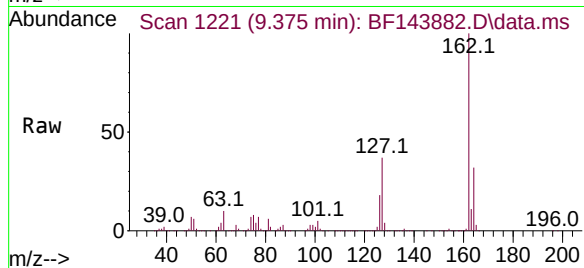
164 31.7 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

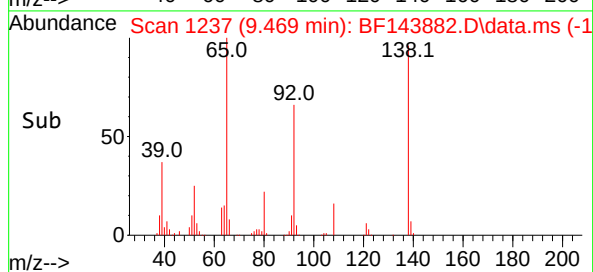
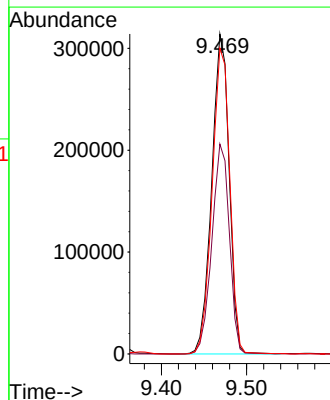
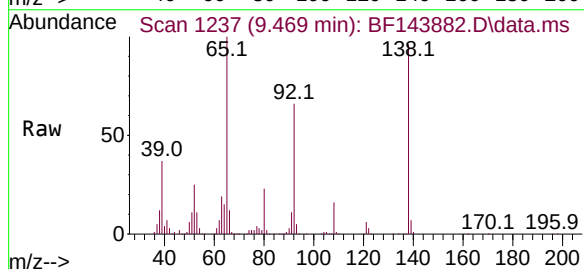
Tgt Ion: 65 Resp: 445537

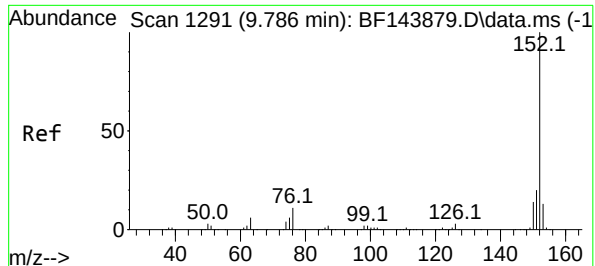
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143882.D

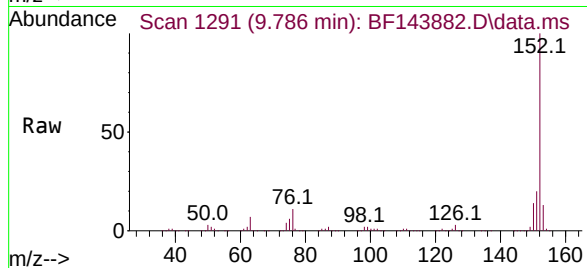
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:152 Resp: 1644728

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

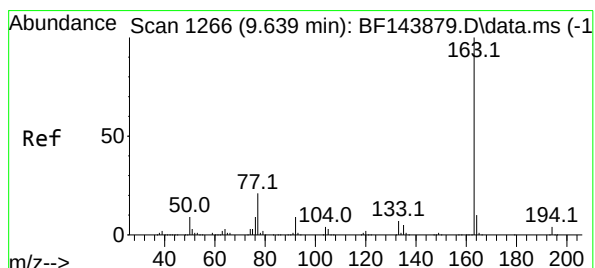
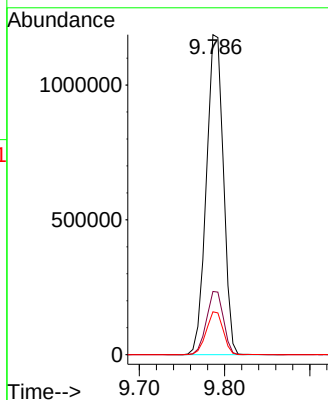
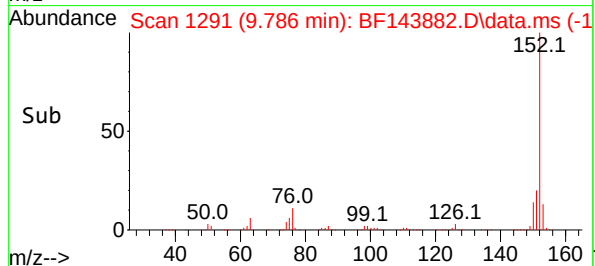
153 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

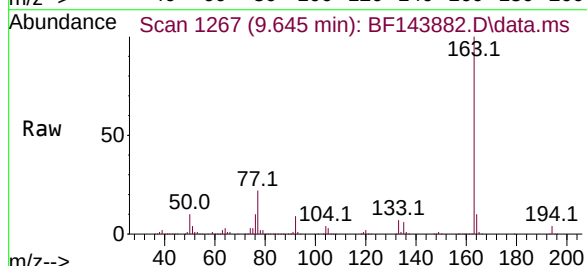
Concen: 69.582 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22



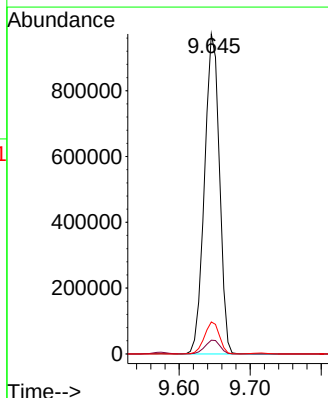
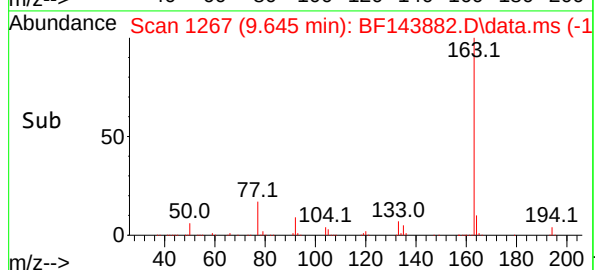
Tgt Ion:163 Resp: 1415482

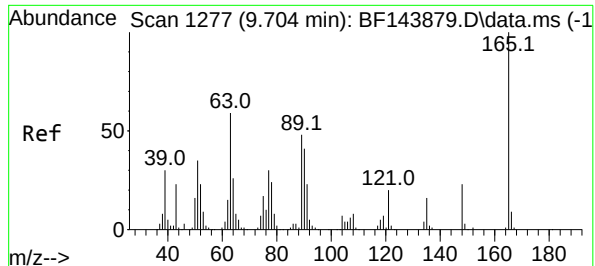
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

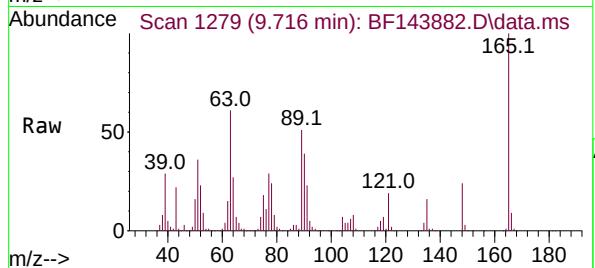
164 10.0 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 80.372 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

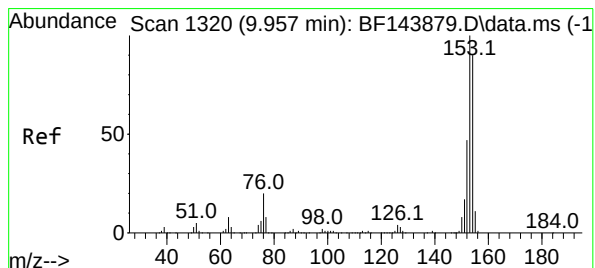
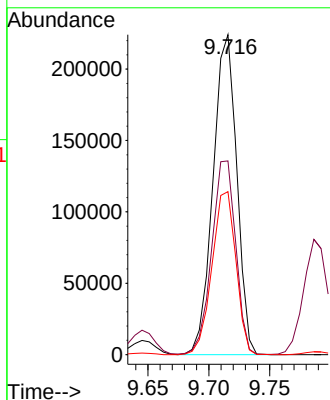
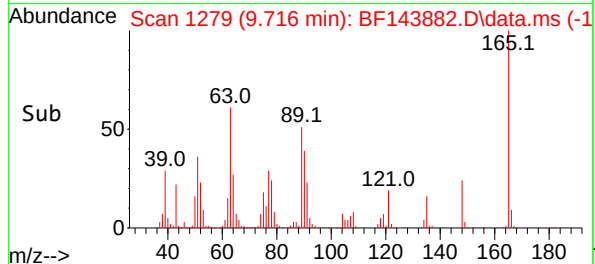
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 303176
Ion Ratio Lower Upper
165 100
63 60.5 47.3 70.9
89 51.0 38.2 57.4

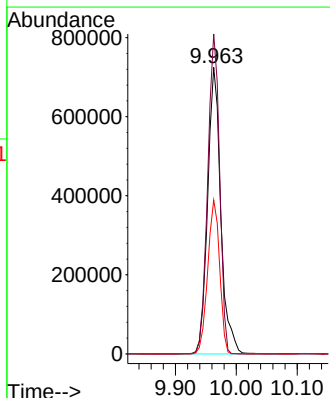
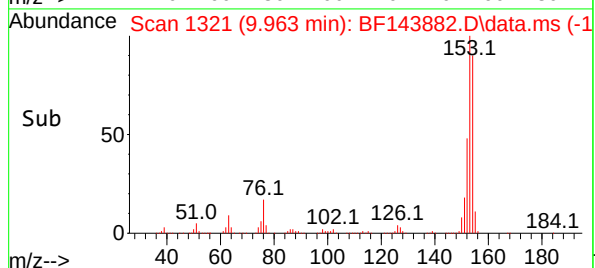
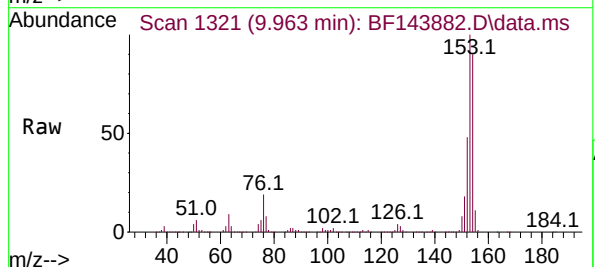
Manual Integrations
APPROVED

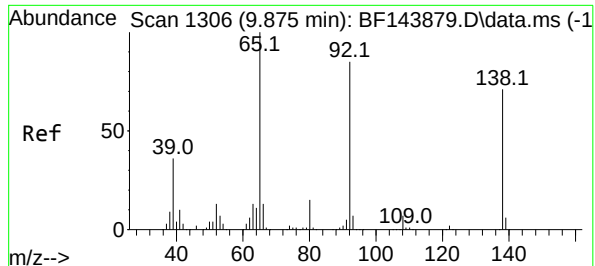
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

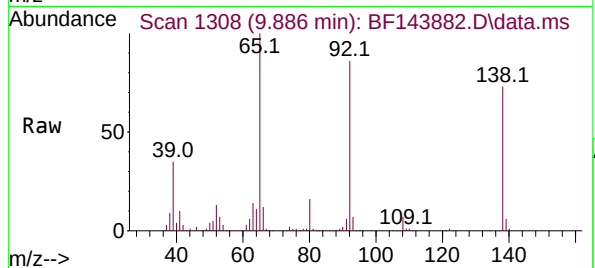
Tgt Ion:154 Resp: 1085733
Ion Ratio Lower Upper
154 100
153 111.7 89.3 133.9
152 53.7 42.2 63.2





#53
3-Nitroaniline
Concen: 79.233 ng
RT: 9.886 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

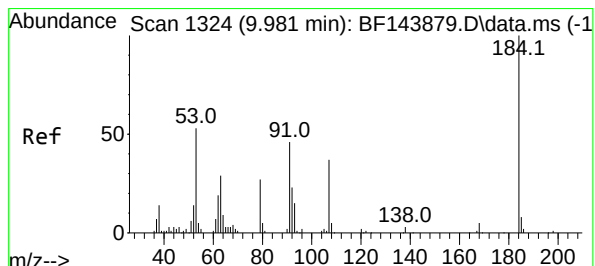
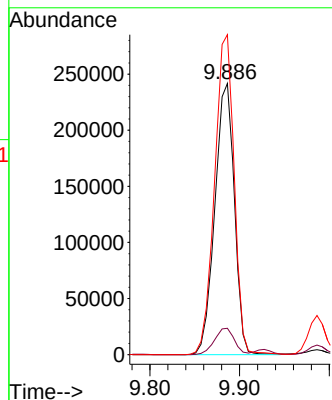
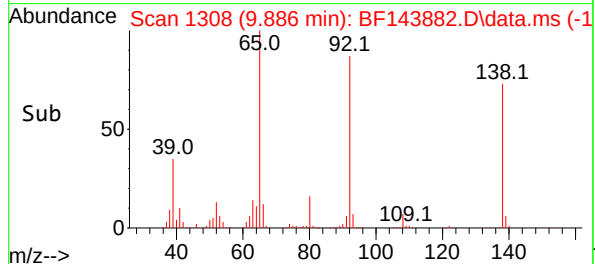
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

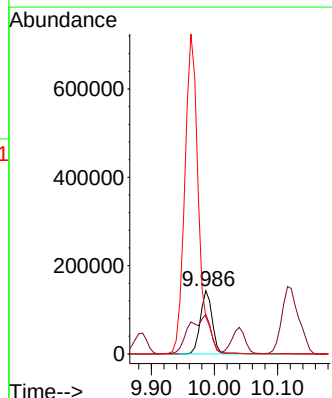
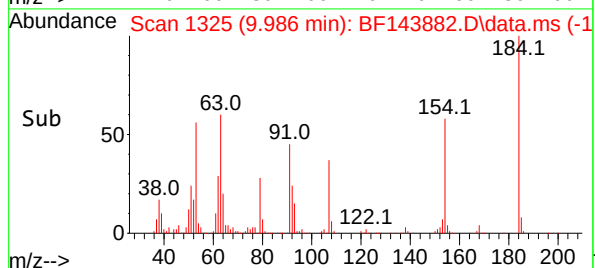
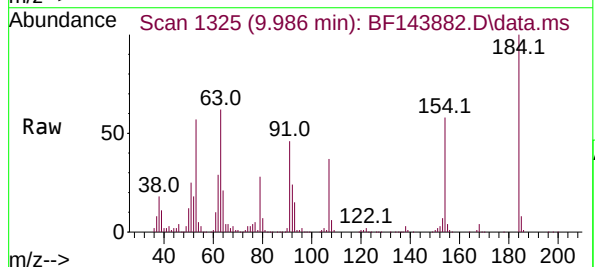
Manual Integrations
APPROVED

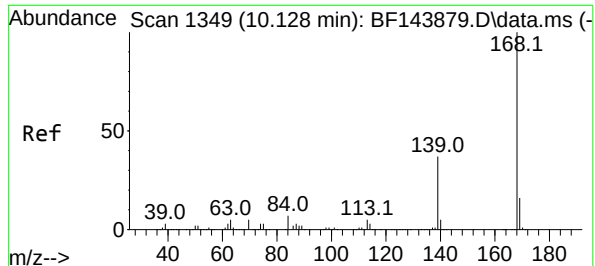
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

Dibenzenofuran

Concen: 63.998 ng

RT: 10.133 min Scan# 1350

Delta R.T. 0.000 min

Lab File: BF143882.D

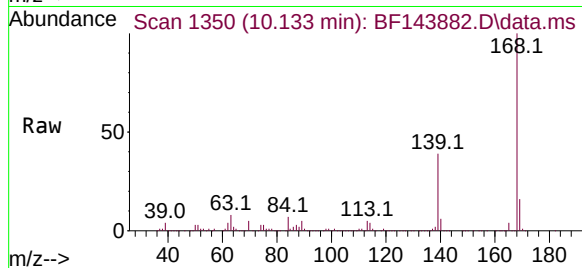
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:168 Resp: 1471622

Ion Ratio Lower Upper

168 100

139 39.0 29.8 44.8

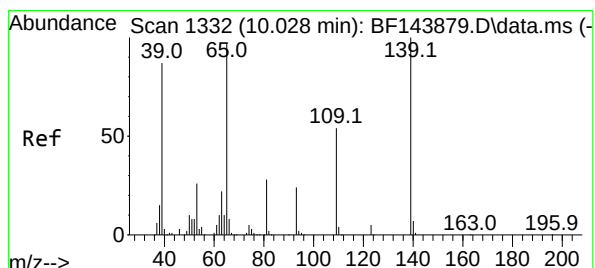
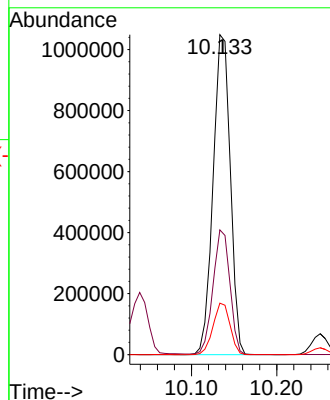
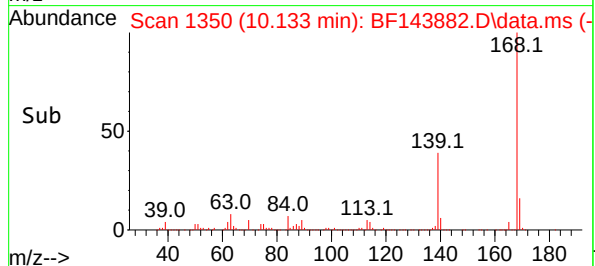
169 16.1 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

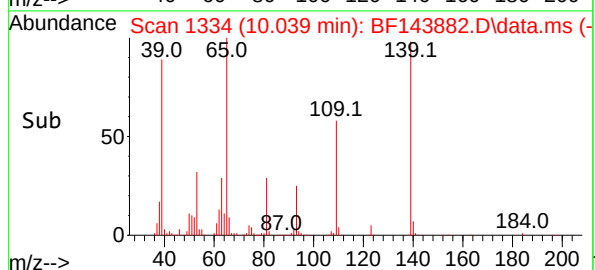
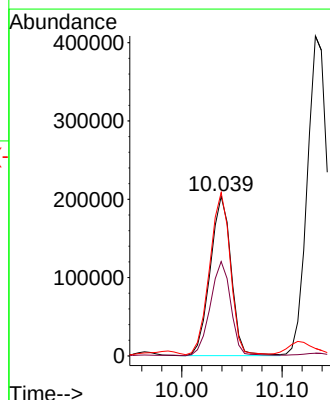
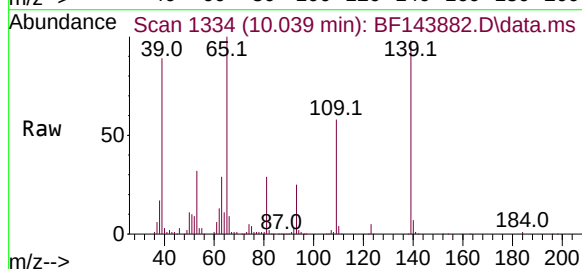
Tgt Ion:139 Resp: 294937

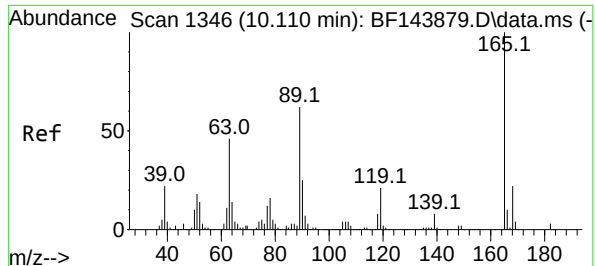
Ion Ratio Lower Upper

139 100

109 59.0 34.5 74.5

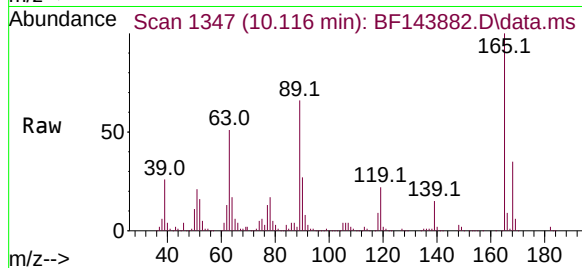
65 102.4 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 79.779 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

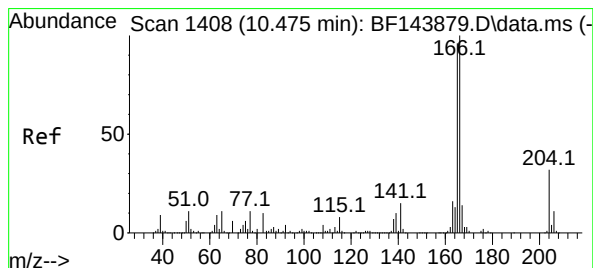
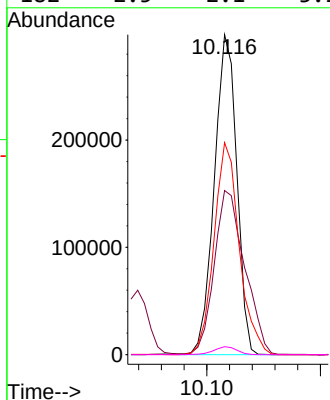
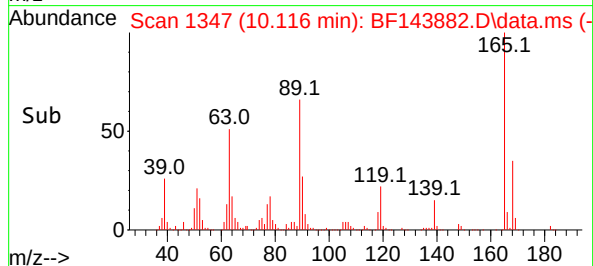
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



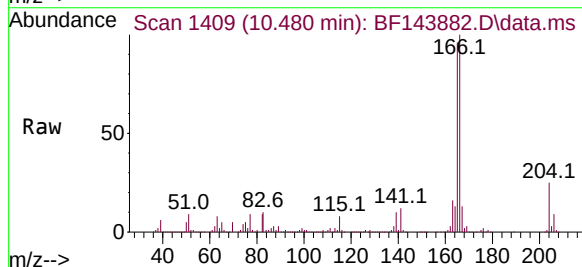
Tgt Ion:165 Resp: 409463
Ion Ratio Lower Upper
165 100
63 51.3 37.2 55.8
89 66.2 49.4 74.2
182 2.5 2.1 3.1

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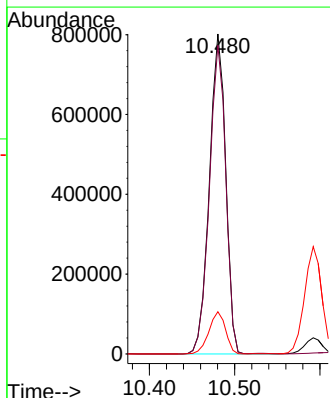
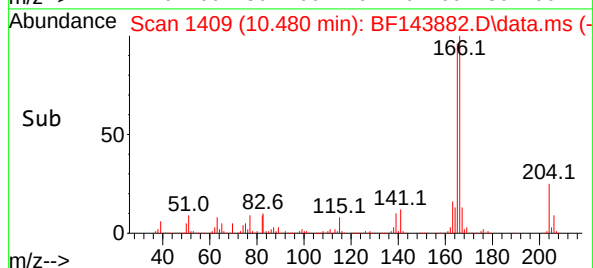
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

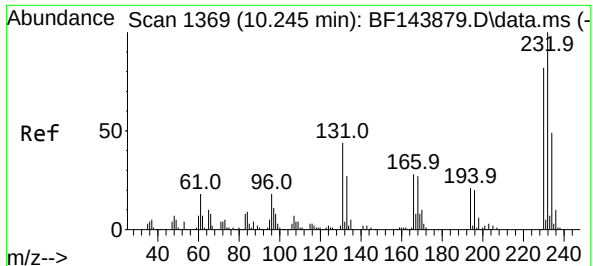


#58
Fluorene
Concen: 61.654 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



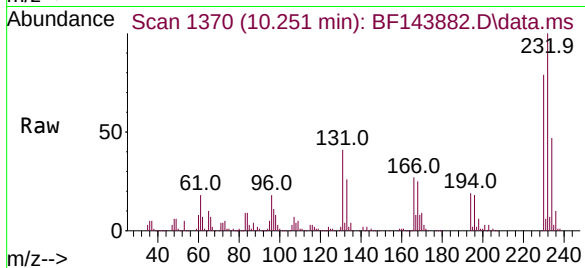
Tgt Ion:166 Resp: 1069764
Ion Ratio Lower Upper
166 100
165 96.4 77.0 115.6
167 13.2 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 76.170 ng
RT: 10.251 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

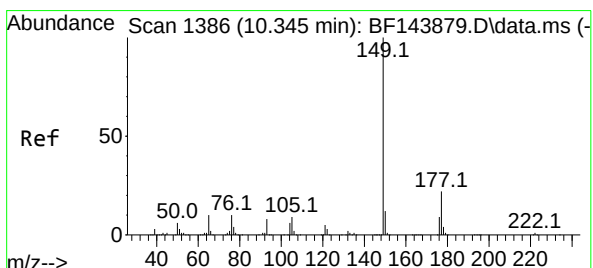
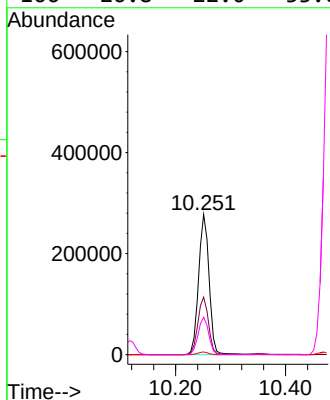
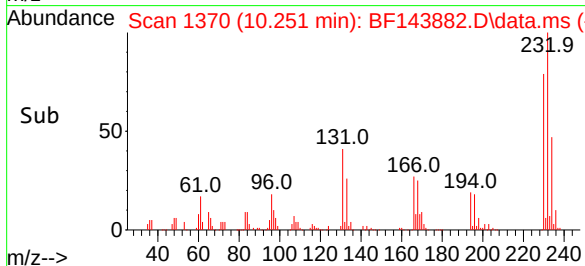
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



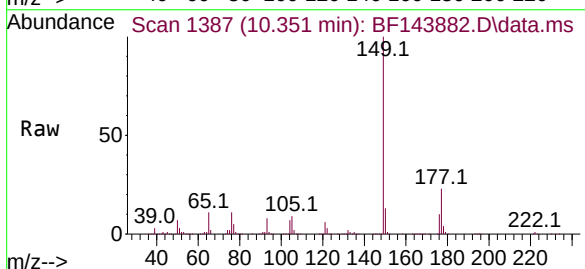
Tgt Ion: 232 Resp: 368599
Ion Ratio Lower Upper
232 100
131 41.5 34.9 52.3
130 1.8 1.6 2.4
166 26.8 22.0 33.0

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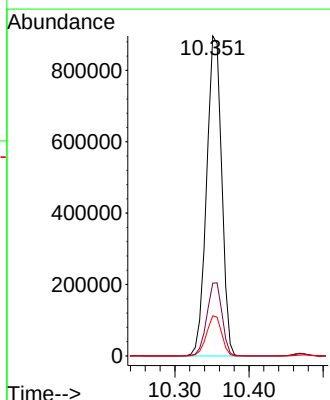
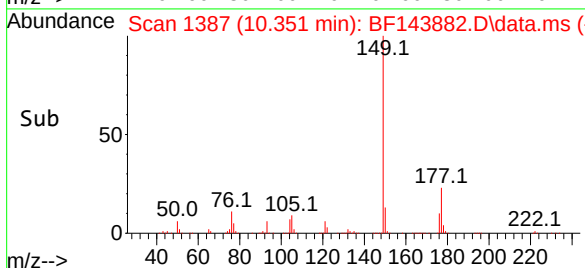
Reviewed By : Rahul Chavli 10/07/2025
Supervised By : Jagrut Upadhyay 10/07/2025

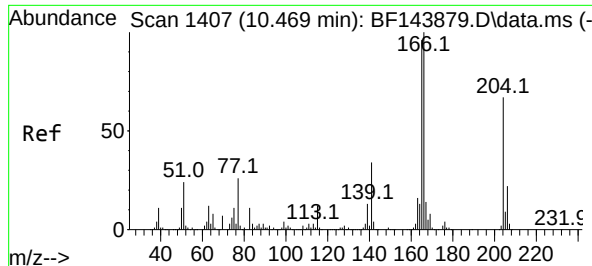


#60
Diethylphthalate
Concen: 67.047 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



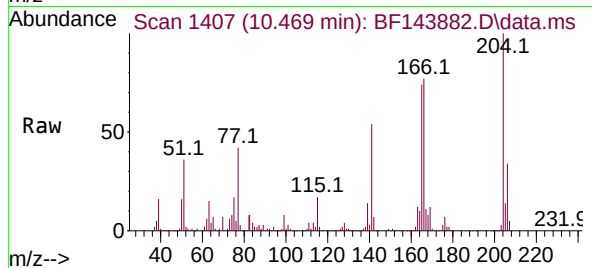
Tgt Ion: 149 Resp: 1267085
Ion Ratio Lower Upper
149 100
177 22.7 17.9 26.9
150 12.5 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 62.357 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

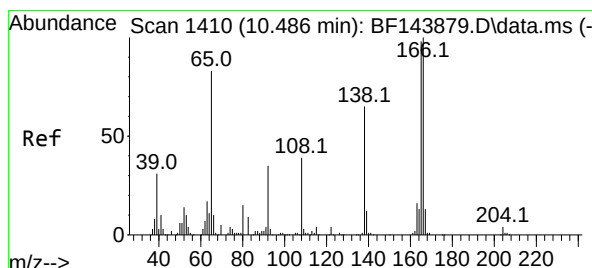
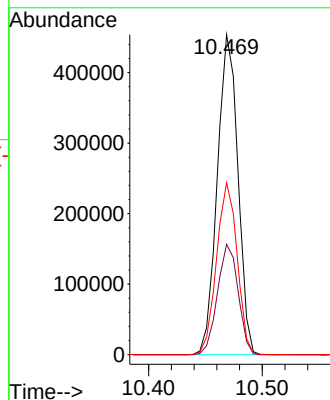
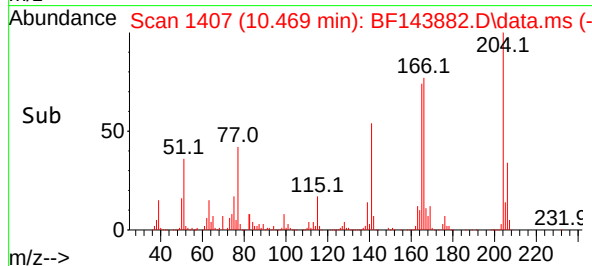
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:204 Resp: 572035
Ion Ratio Lower Upper
204 100
206 34.5 26.6 40.0
141 53.7 40.4 60.6

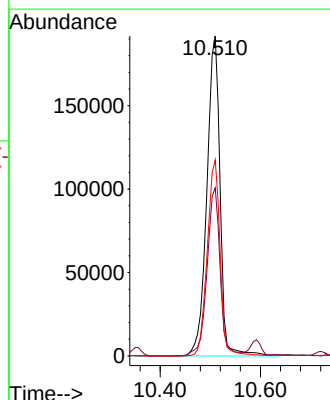
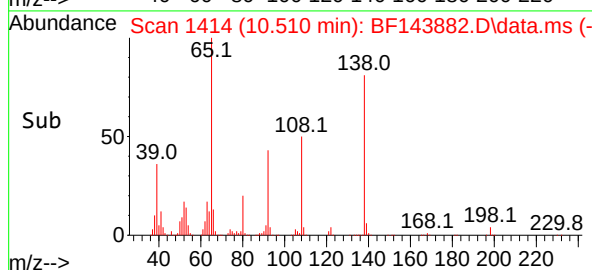
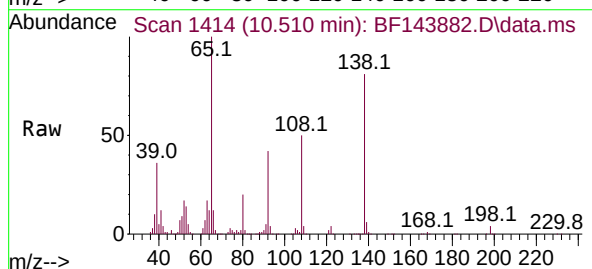
Manual Integrations
APPROVED

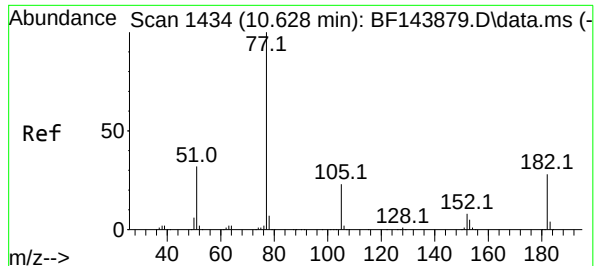
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

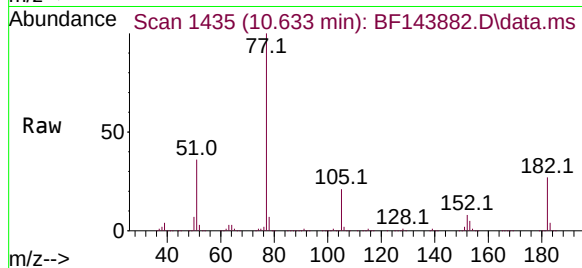
Tgt Ion:138 Resp: 351634
Ion Ratio Lower Upper
138 100
92 52.5 33.9 73.9
108 61.3 40.2 80.2





#63
Azobenzene
Concen: 68.446 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

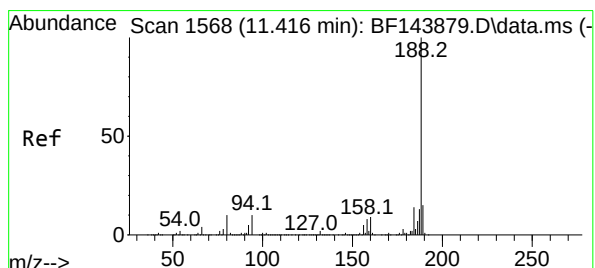
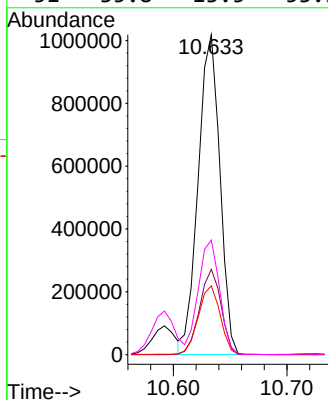
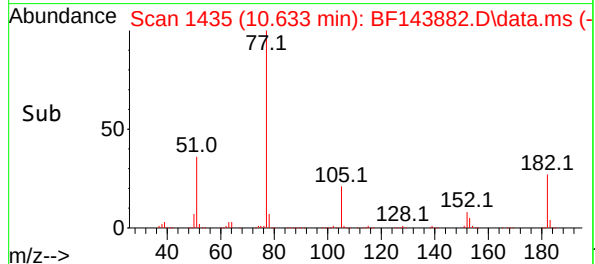
Instrument :
BNA_F
Client Sample Id :
SSTDICC080



Tgt Ion: 77 Resp: 1351920
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

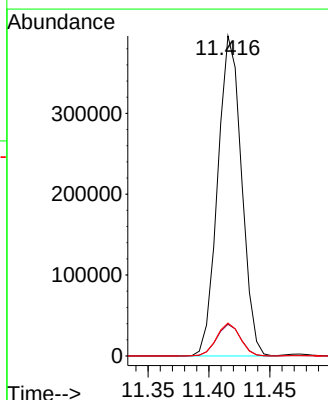
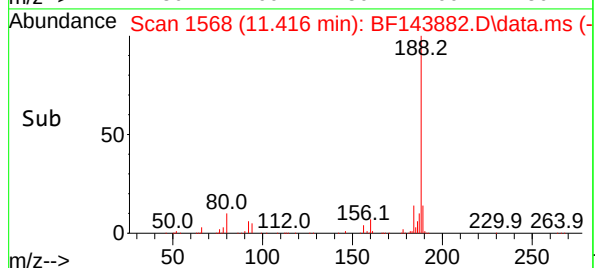
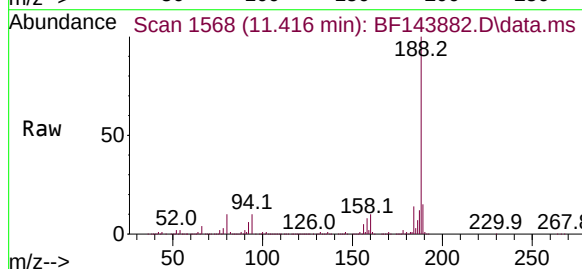
Manual Integrations
APPROVED

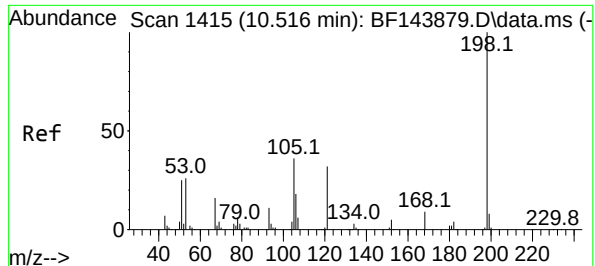
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

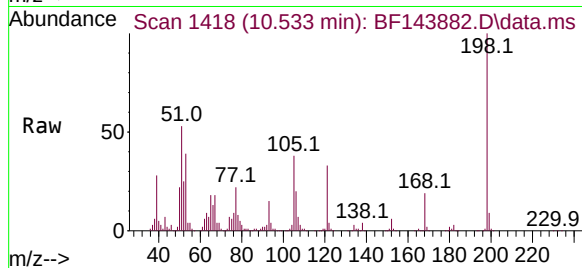
Tgt Ion:188 Resp: 540366
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.3 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 87.227 ng
RT: 10.533 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

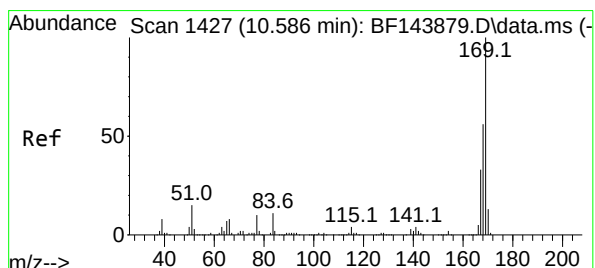
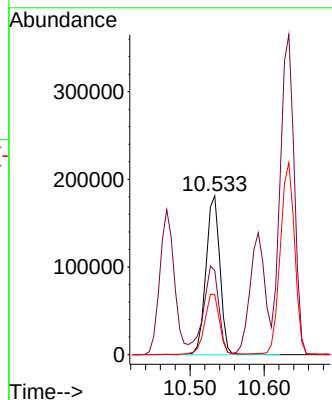
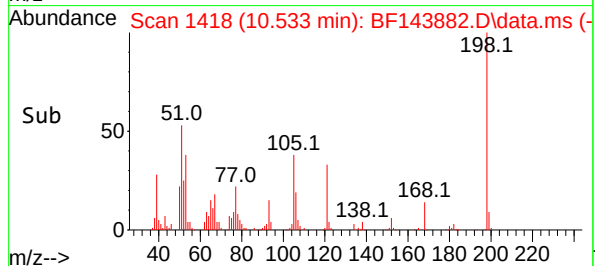
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



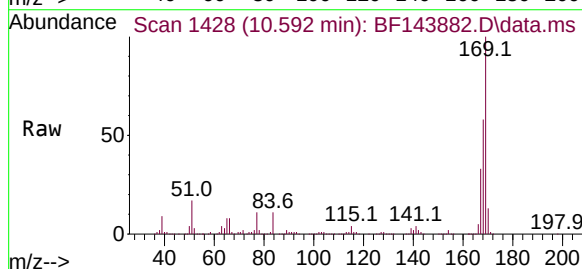
Tgt Ion:198 Resp: 236863
Ion Ratio Lower Upper
198 100
51 53.0 33.8 73.8
105 37.7 17.0 57.0

Manual Integrations
APPROVED

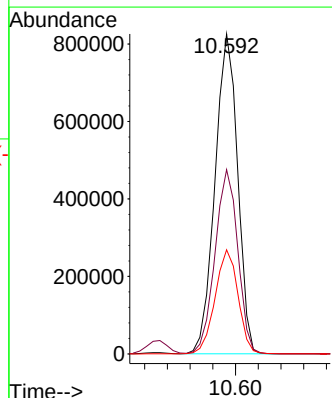
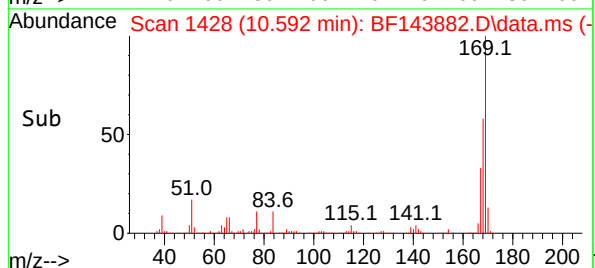
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

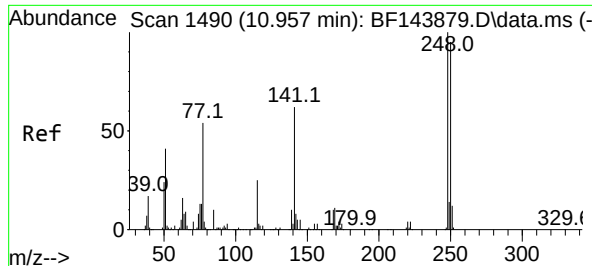


#66
n-Nitrosodiphenylamine
Concen: 67.159 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



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





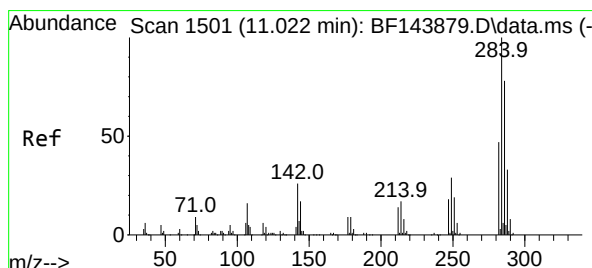
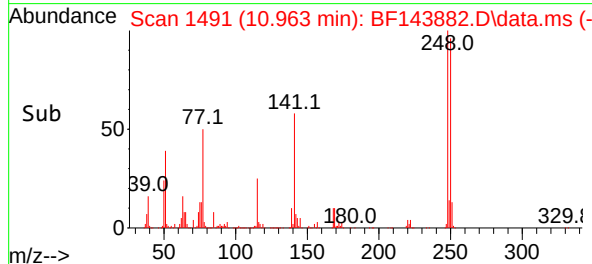
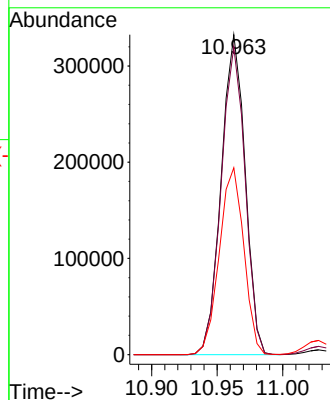
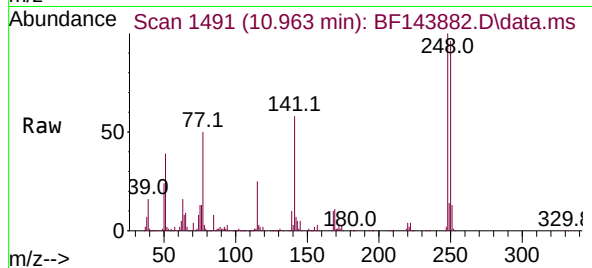
#67
4-Bromophenyl-phenylether
Concen: 70.857 ng
RT: 10.963 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 423148
Ion Ratio Lower Upper
248 100
250 96.2 76.3 114.5
141 58.4 49.7 74.5

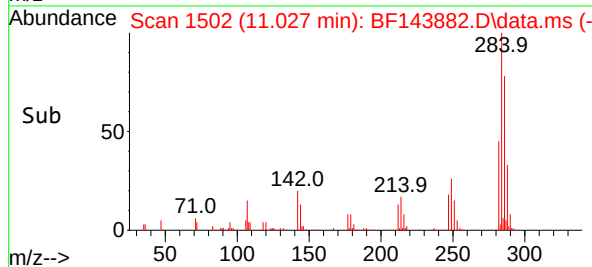
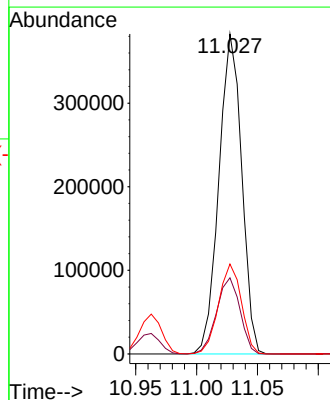
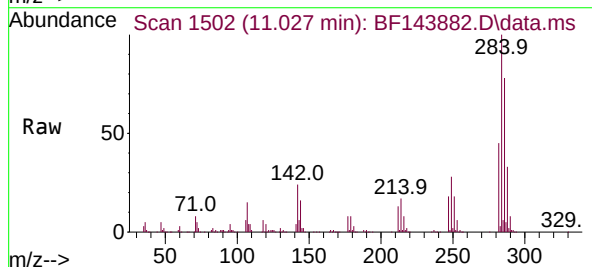
Manual Integrations
APPROVED

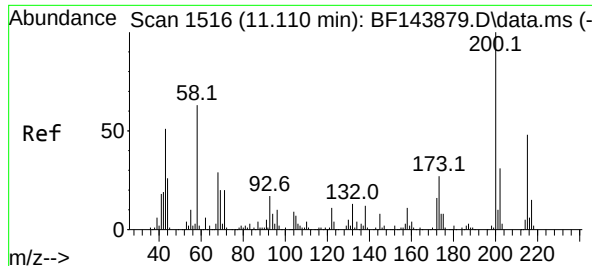
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1518

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 347749

Ion Ratio Lower Upper

200 100

173 28.0 7.0 47.0

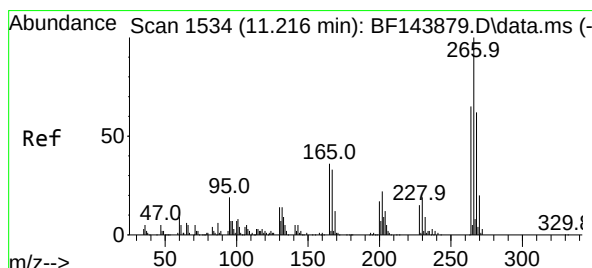
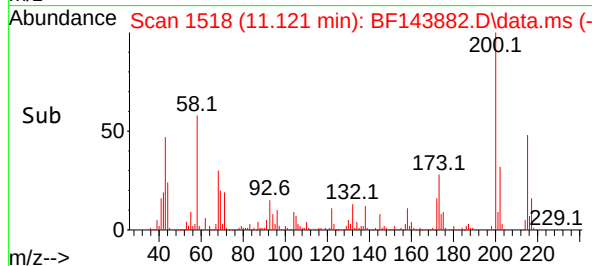
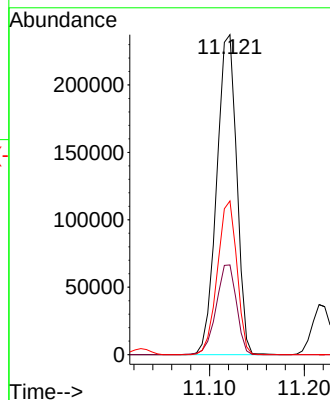
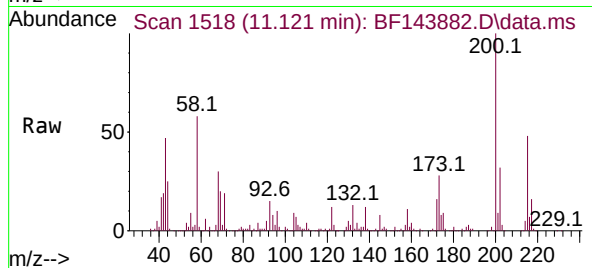
215 48.0 27.8 67.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

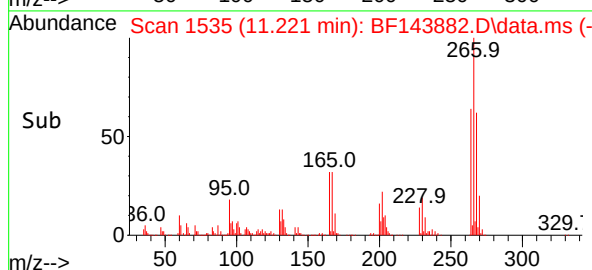
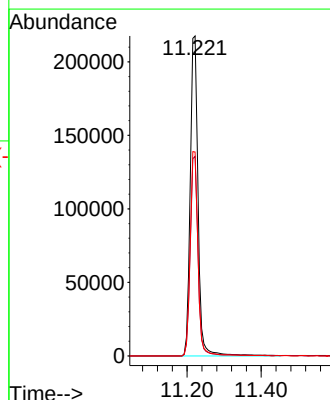
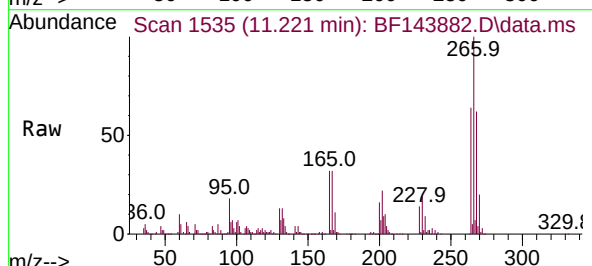
Tgt Ion:266 Resp: 318486

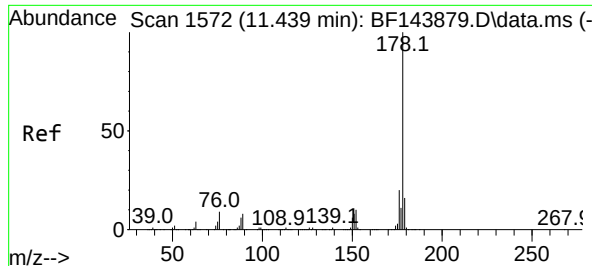
Ion Ratio Lower Upper

266 100

268 62.3 49.4 74.0

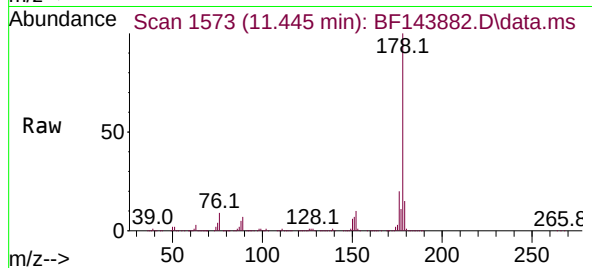
264 63.7 51.8 77.6





#71
Phenanthrene
Concen: 63.980 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

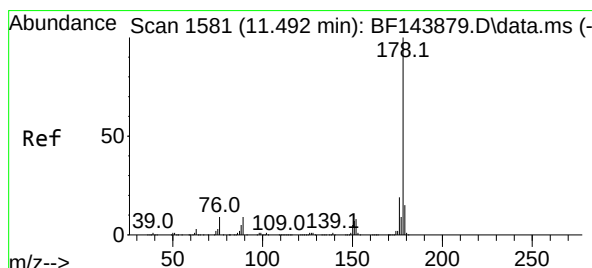
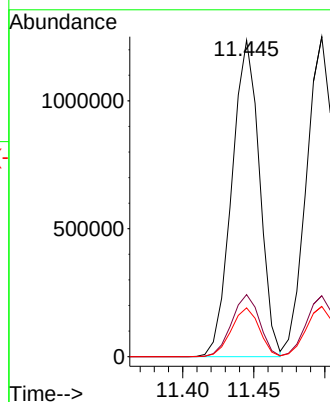
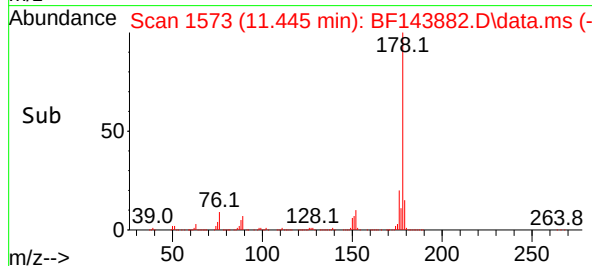
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 1676081
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.4 12.4 18.6

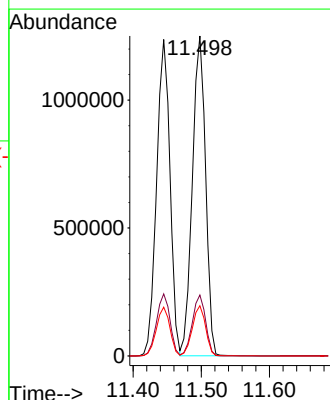
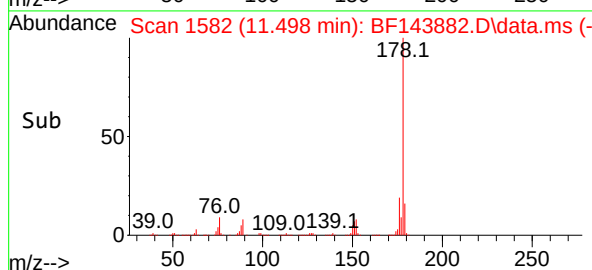
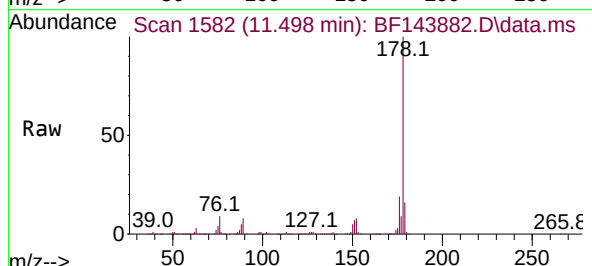
Manual Integrations
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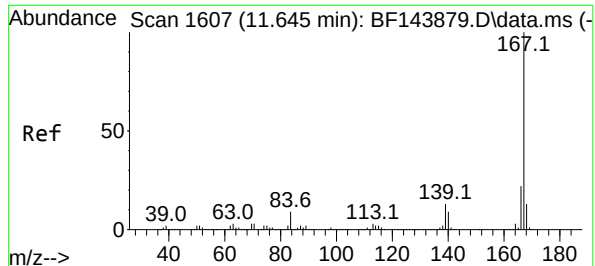
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

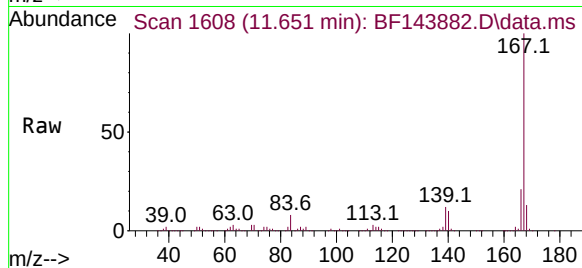
Tgt Ion:178 Resp: 1688865
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 15.7 12.2 18.2





#73
Carbazole
Concen: 64.832 ng
RT: 11.651 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

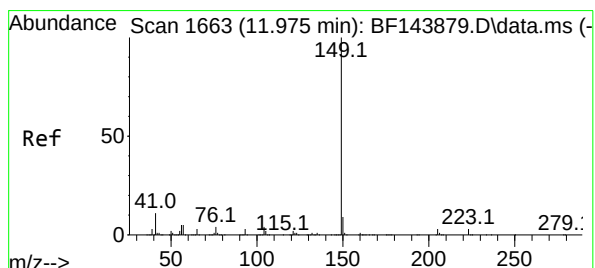
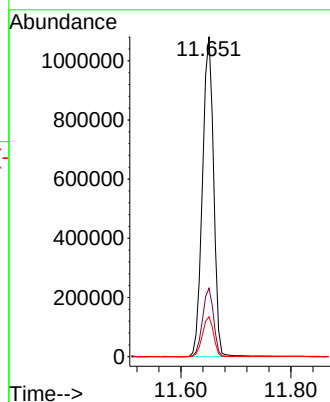
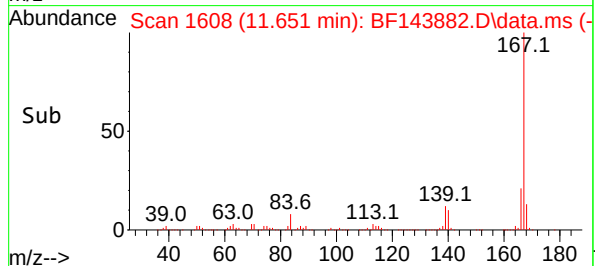
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



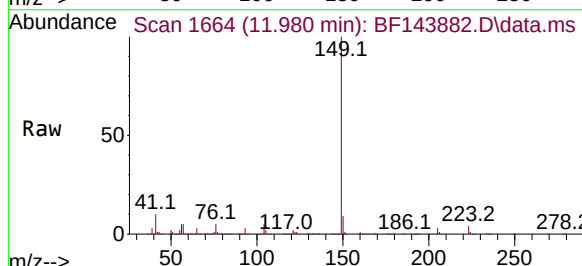
Tgt Ion:167 Resp: 1519615
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 12.5 10.1 15.1

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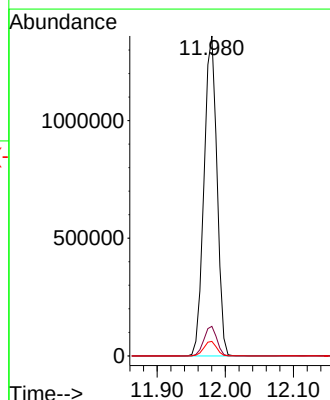
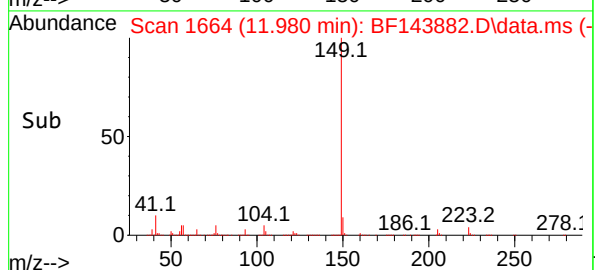
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

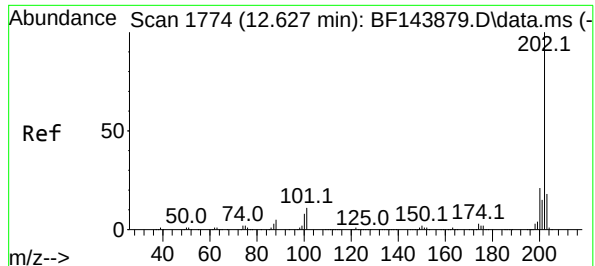


#74
Di-n-butylphthalate
Concen: 66.034 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



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# 1775

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:202 Resp: 1706368

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.7

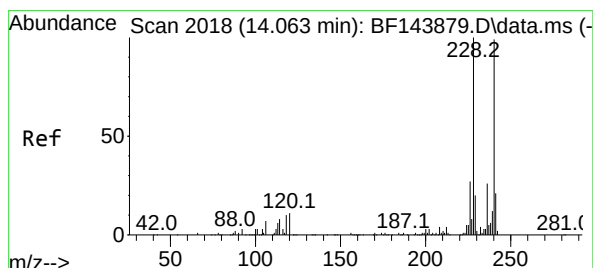
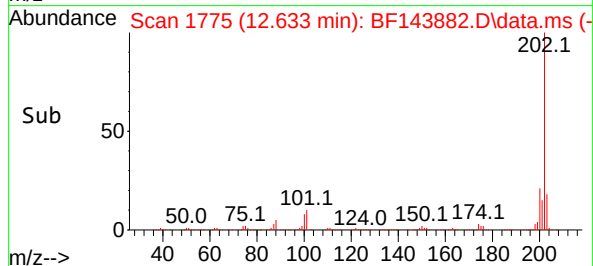
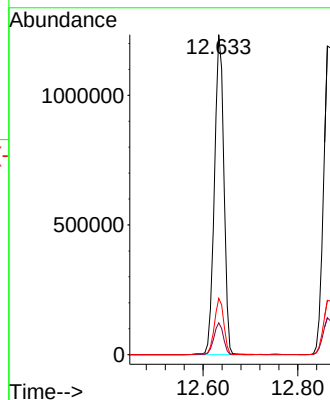
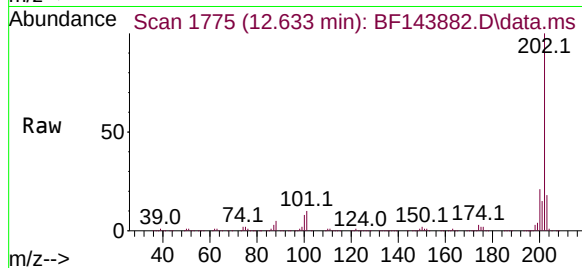
203 17.6 0.0 37.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

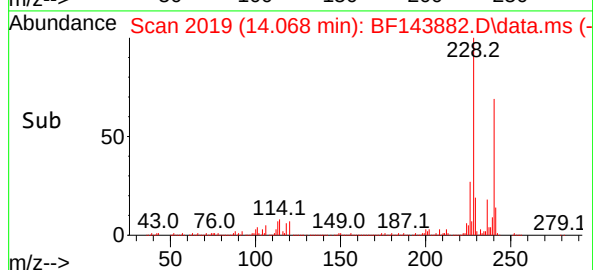
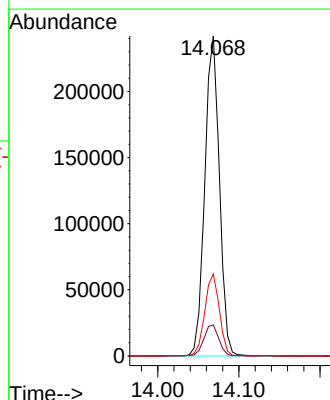
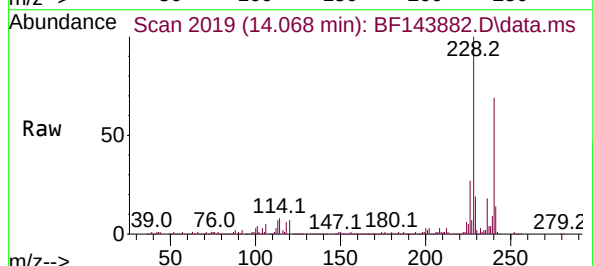
Tgt Ion:240 Resp: 302500

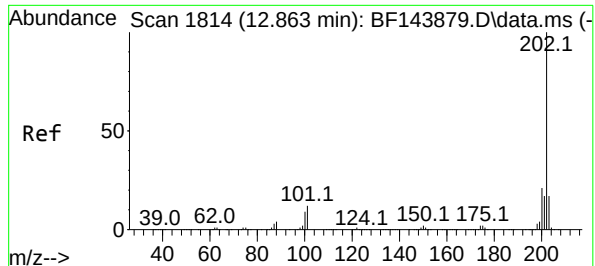
Ion Ratio Lower Upper

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# 1814

Delta R.T. 0.000 min

Lab File: BF143882.D

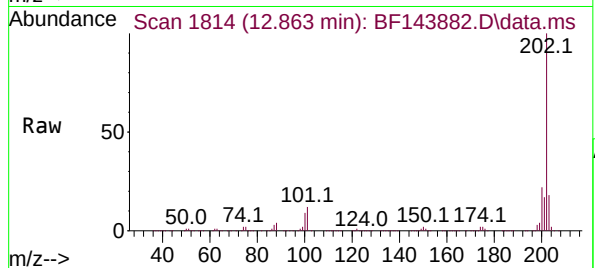
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:202 Resp: 1718085

Ion Ratio Lower Upper

202 100

200 21.9 17.0 25.6

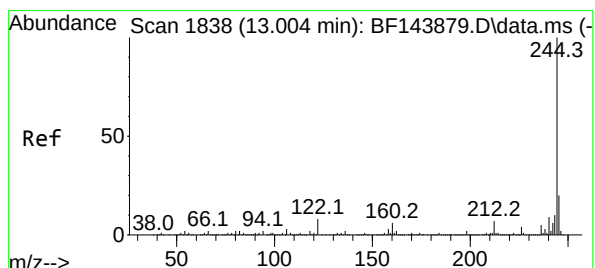
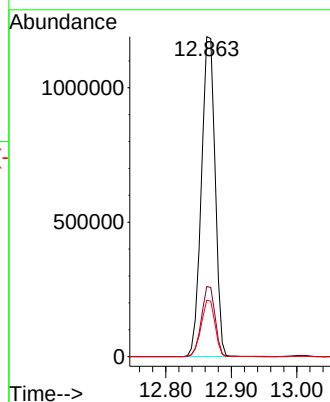
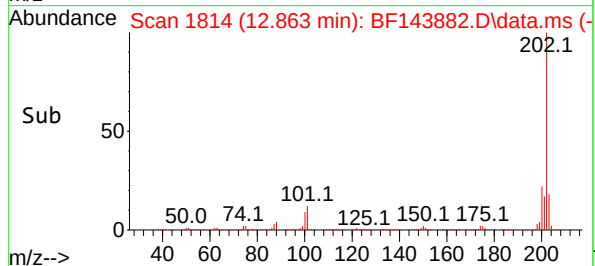
203 17.6 13.8 20.6

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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

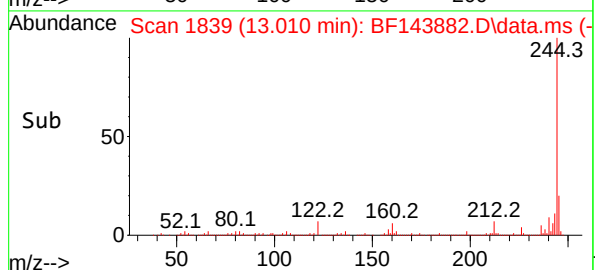
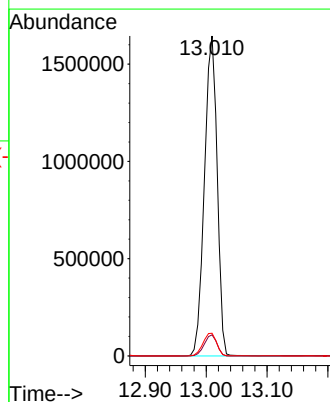
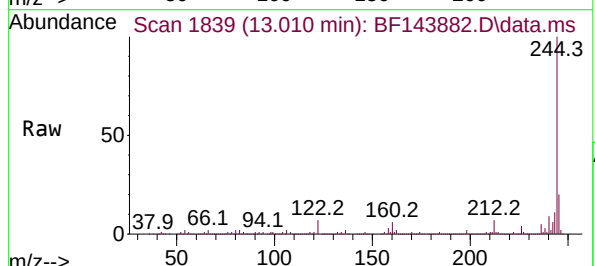
Tgt Ion:244 Resp: 2382437

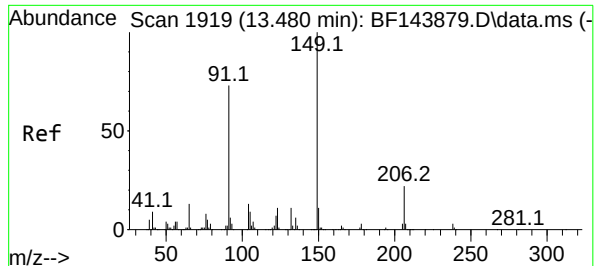
Ion Ratio Lower Upper

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# 1919

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:149 Resp: 633516

Ion Ratio Lower Upper

149 100

91 75.9 58.2 87.2

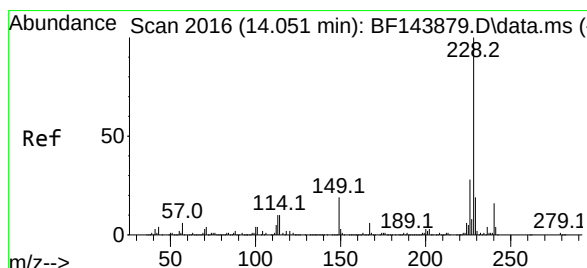
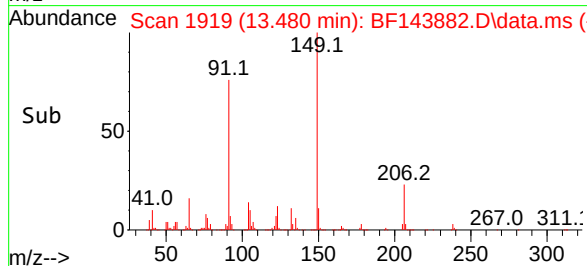
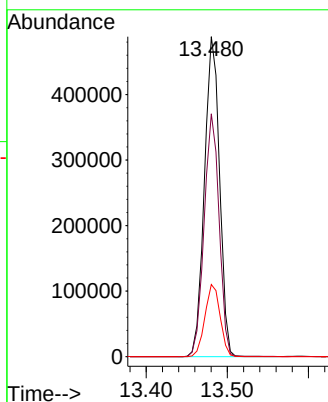
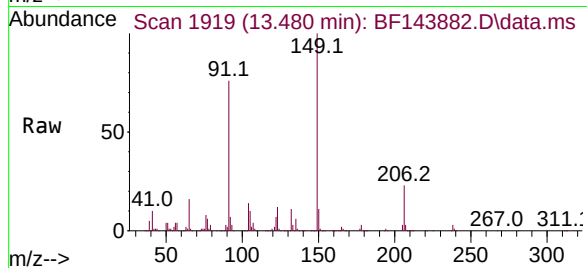
206 22.5 17.9 26.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

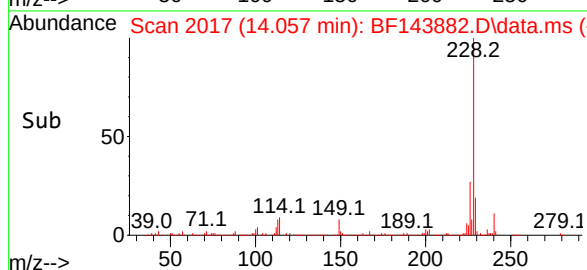
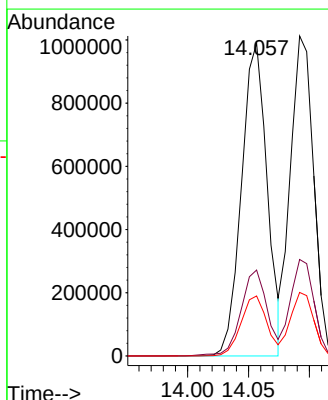
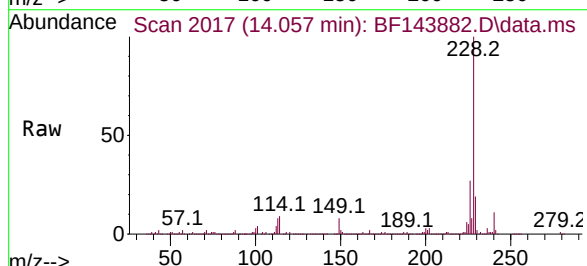
Tgt Ion:228 Resp: 1449801

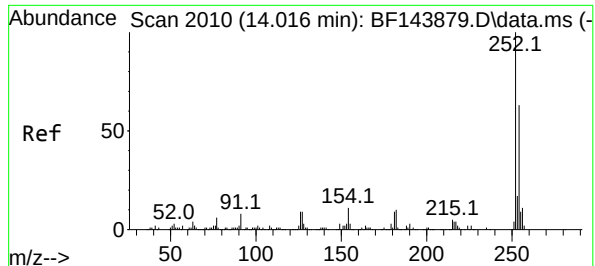
Ion Ratio Lower Upper

228 100

226 27.5 22.2 33.2

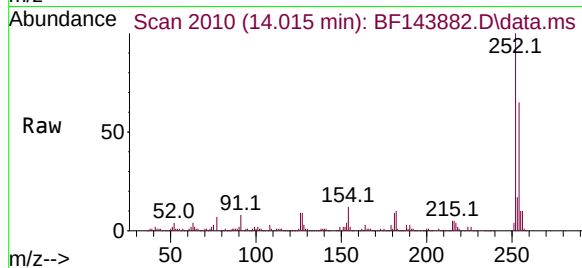
229 19.2 15.6 23.4





#82
3,3'-Dichlorobenzidine
Concen: 76.476 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

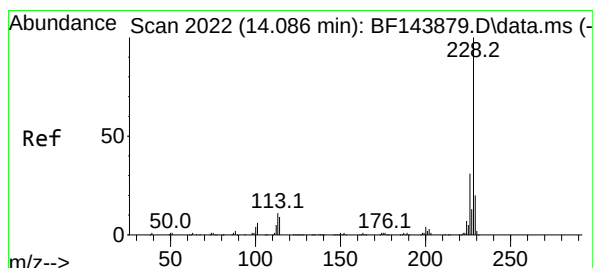
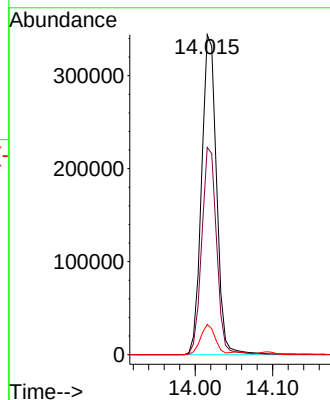
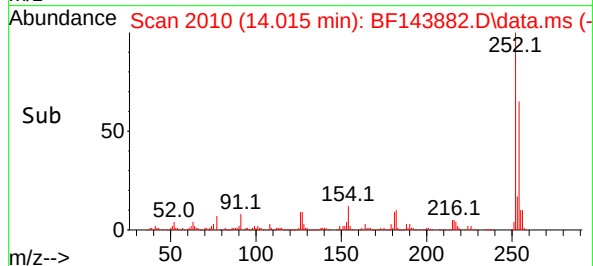
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

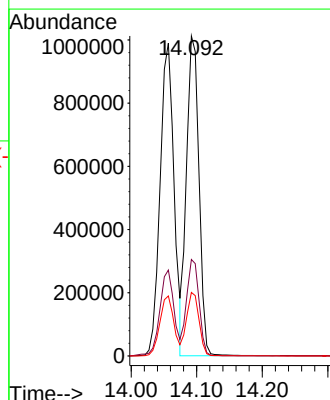
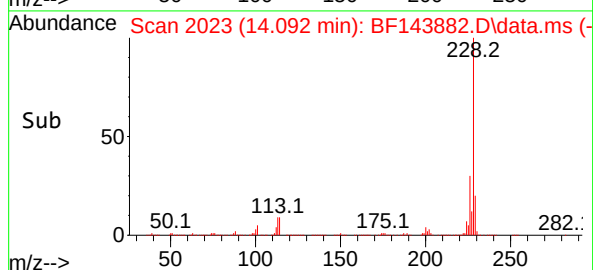
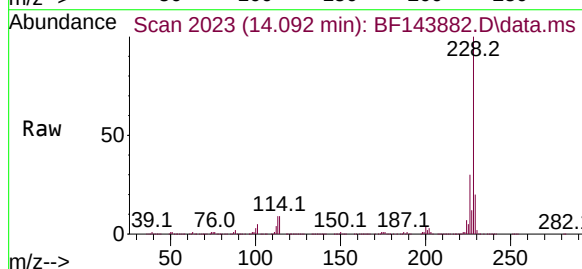
Manual Integrations
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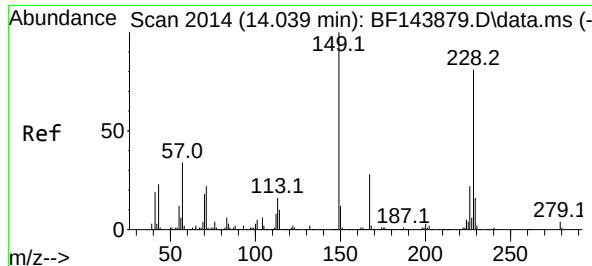
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

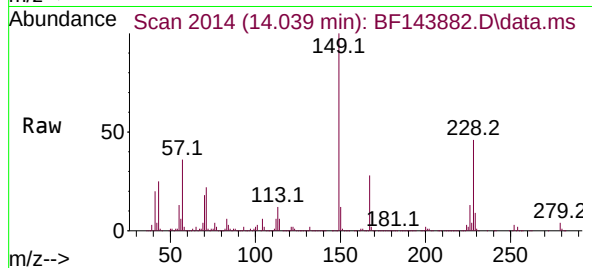
Tgt Ion:228 Resp: 1349286
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 19.8 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 75.897 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

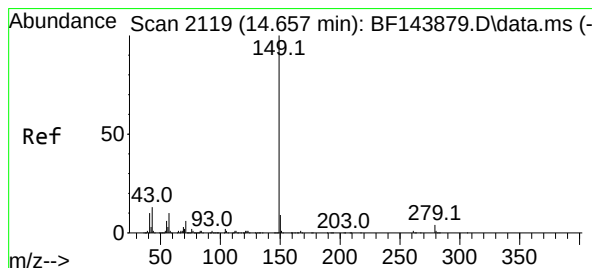
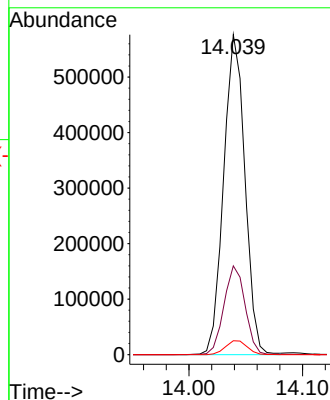
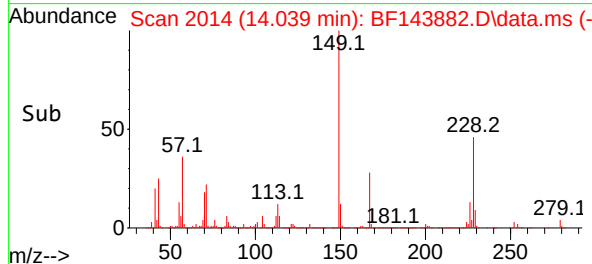
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



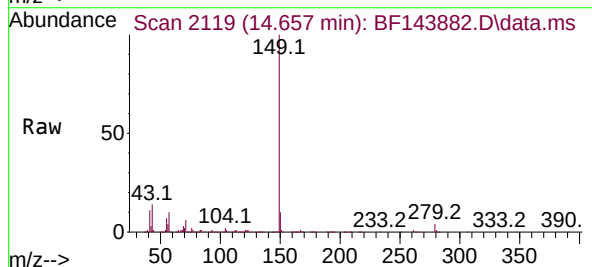
Tgt Ion:149 Resp: 74932
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.4
279 4.3 3.1 4.7

Manual Integrations
APPROVED

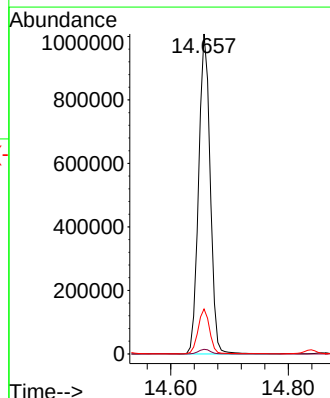
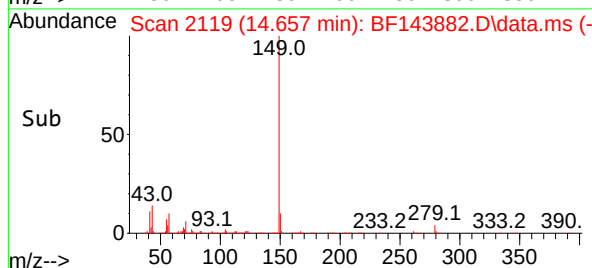
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

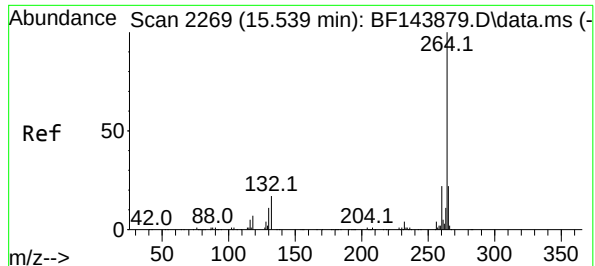


#85
Di-n-octyl phthalate
Concen: 84.532 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22



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# 21

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:264 Resp: 35791

Ion Ratio Lower Upper

264 100

260 21.8 17.8 26.8

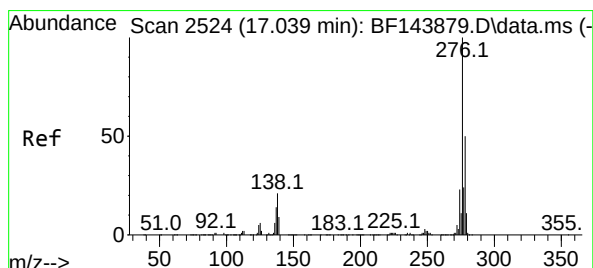
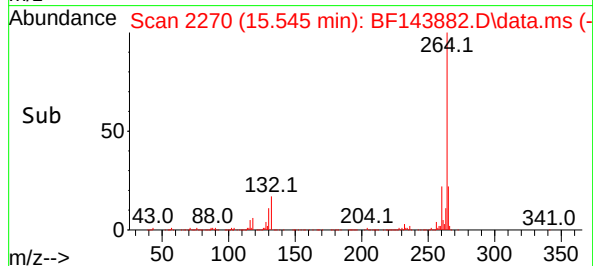
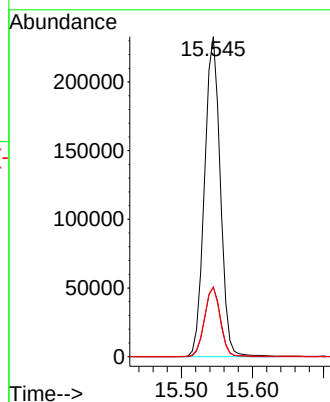
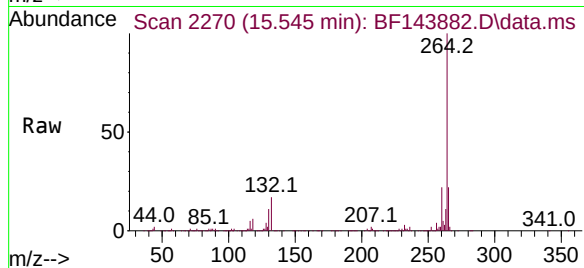
265 21.7 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

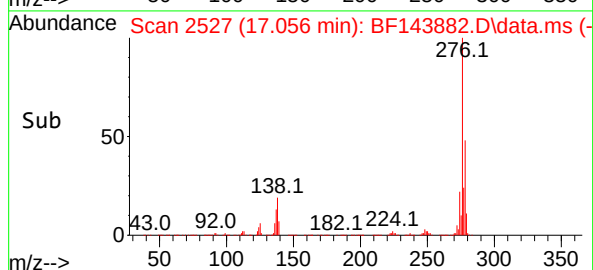
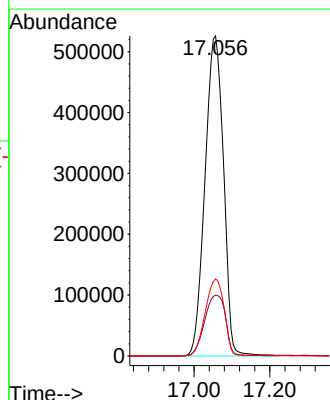
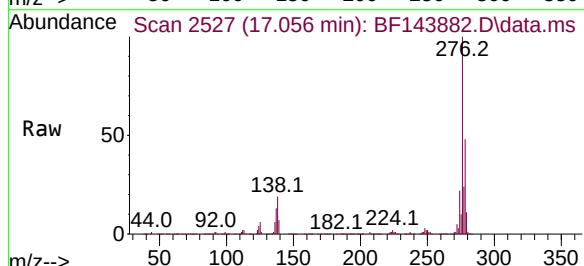
Tgt Ion:276 Resp: 1786876

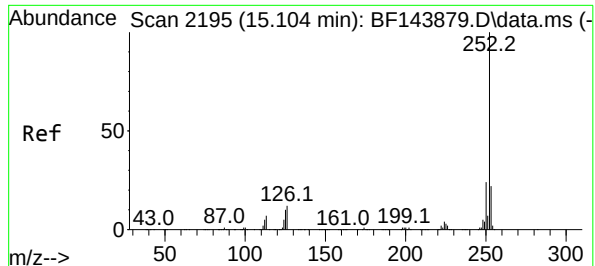
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1431875

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

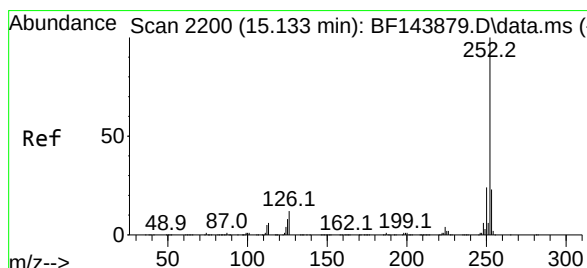
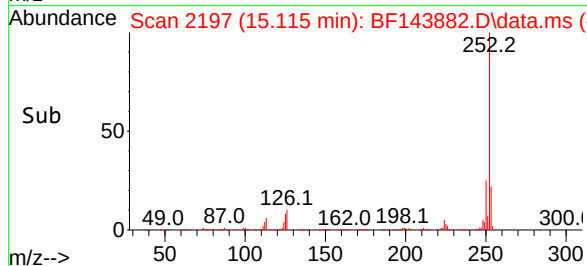
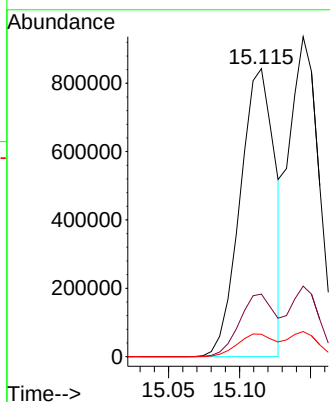
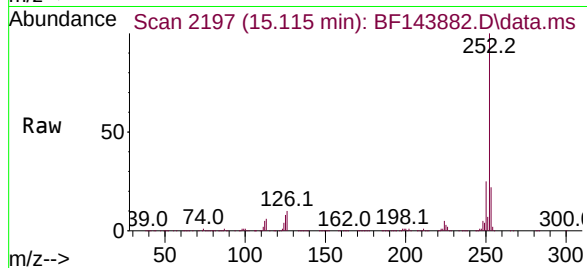
125 7.8 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

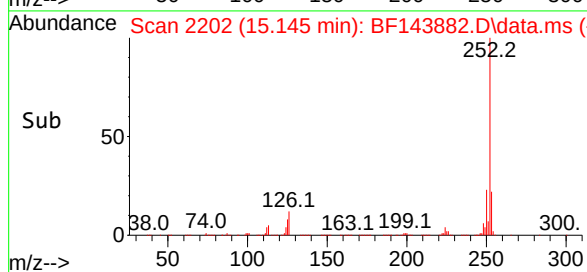
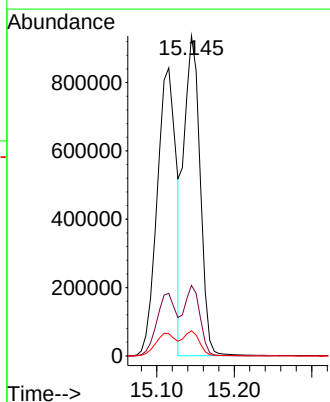
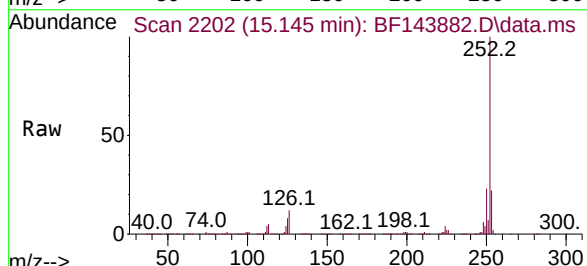
Tgt Ion:252 Resp: 1362026

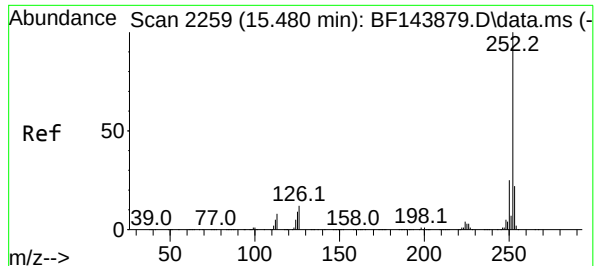
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.000 min

Lab File: BF143882.D

Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1321893

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

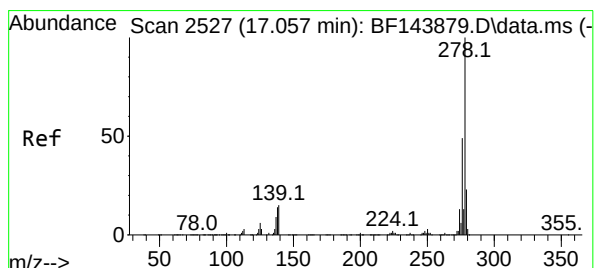
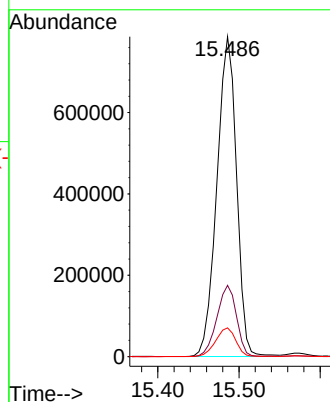
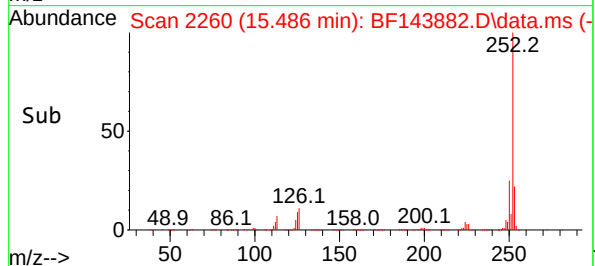
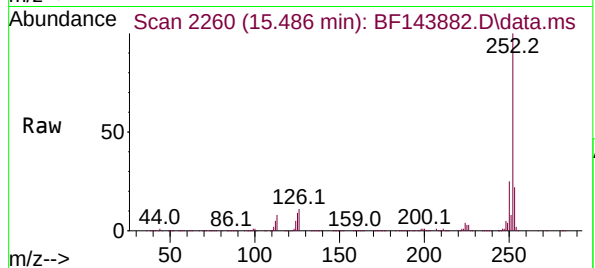
125 9.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

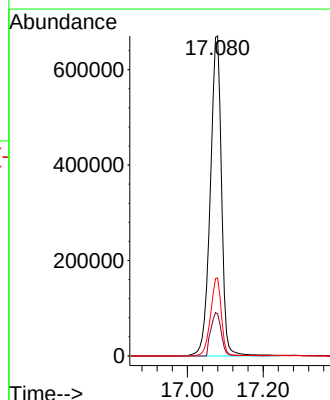
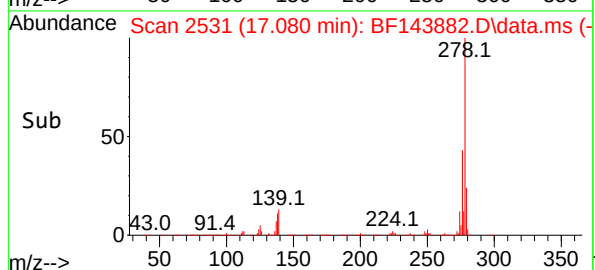
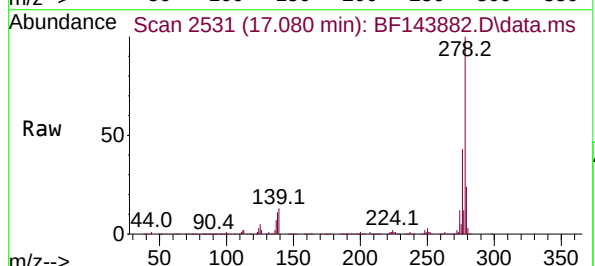
Tgt Ion:278 Resp: 1391562

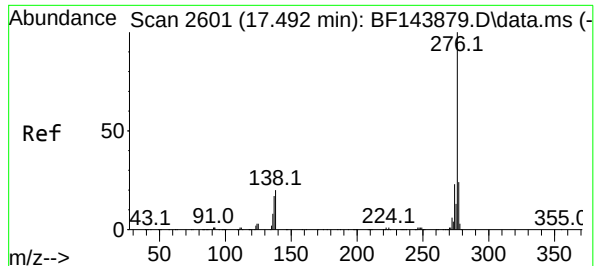
Ion Ratio Lower Upper

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# 20

Delta R.T. 0.000 min

Lab File: BF143882.D

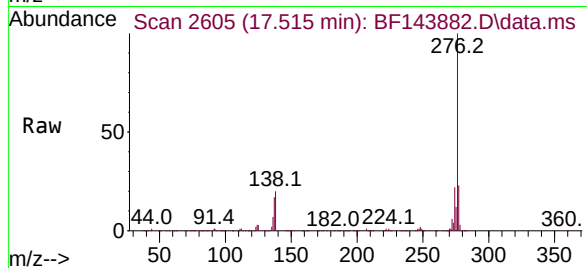
Acq: 06 Oct 2025 14:22

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 145172

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.6

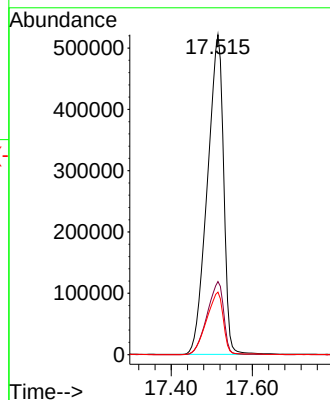
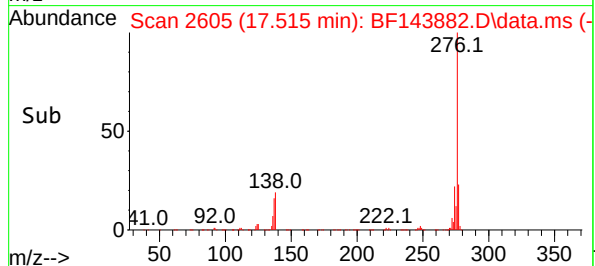
138 19.5 16.1 24.1

Manual Integrations

APPROVED

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

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)
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

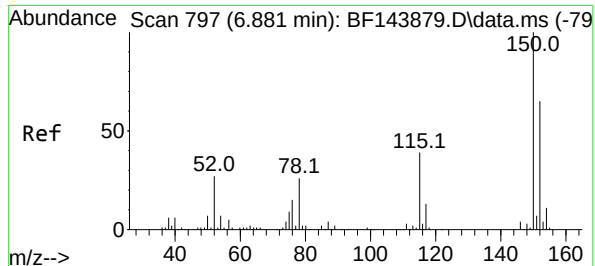
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

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





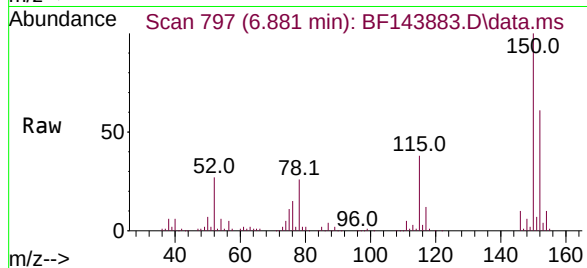
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

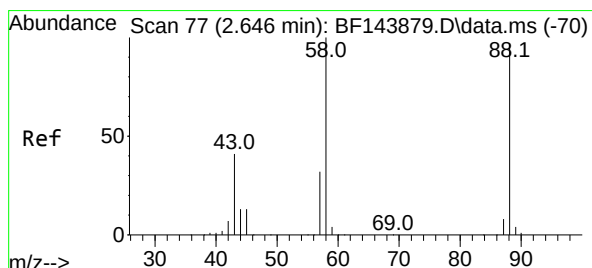
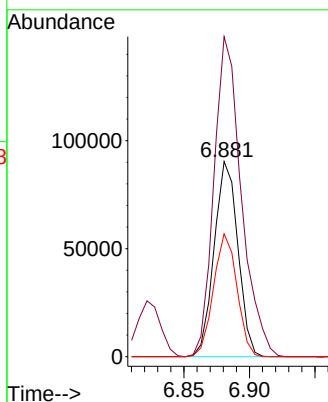
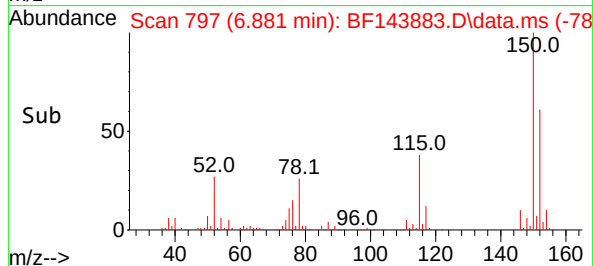
ICVBF100625



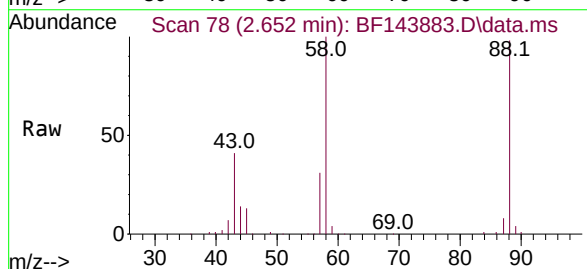
Tgt Ion:152 Resp: 114039
Ion Ratio Lower Upper
152 100
150 164.0 124.4 186.6
115 62.9 48.1 72.1

Manual Integrations
APPROVED

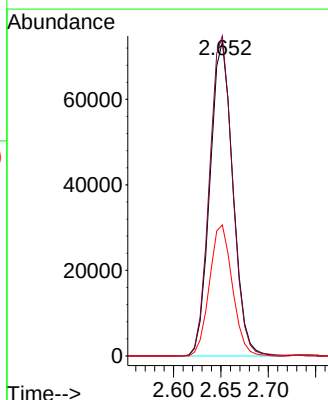
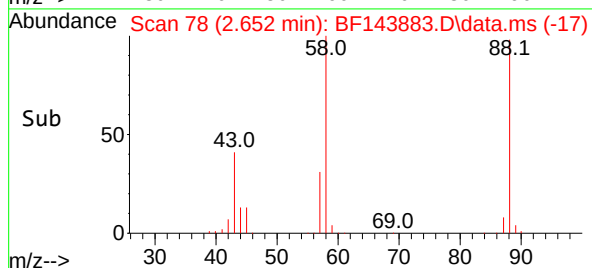
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

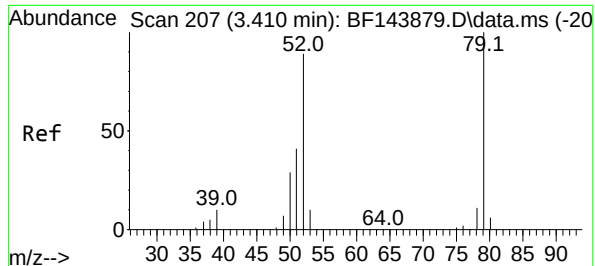


#2
1,4-Dioxane
Concen: 37.256 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



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# 207

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

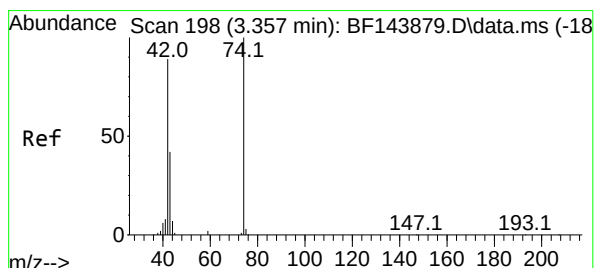
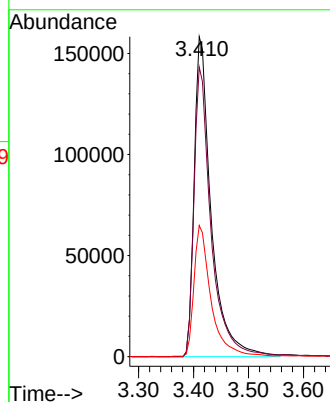
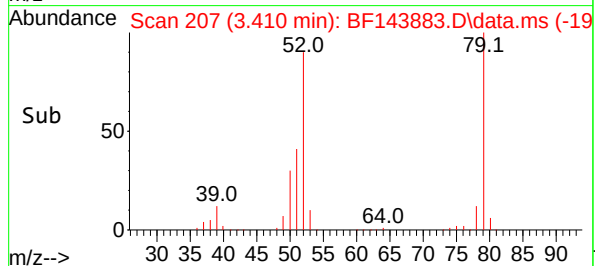
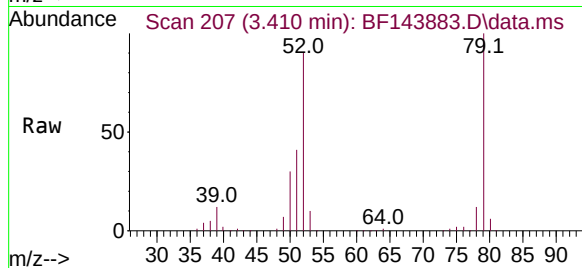
ClientSampleId :

ICVBF100625

Tgt Ion:	79	Resp:	341125
Ion	Ratio	Lower	Upper
79	100		
52	90.5	71.5	107.3
51	41.0	32.9	49.3

Manual Integrations
APPROVED

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



#4

n-Nitrosodimethylamine

Concen: 38.456 ng

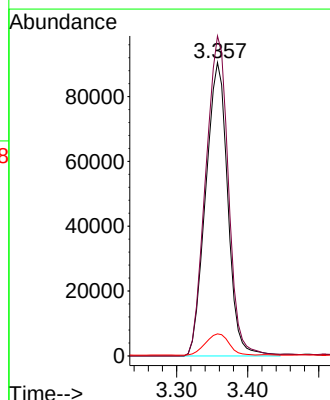
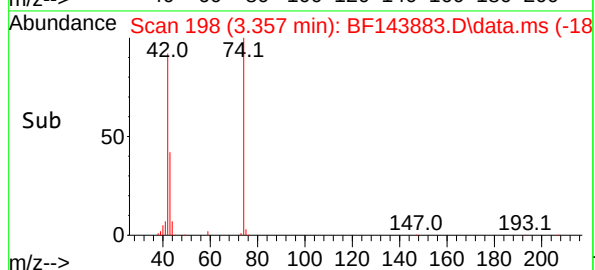
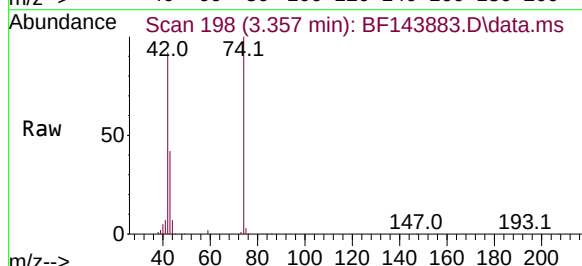
RT: 3.357 min Scan# 198

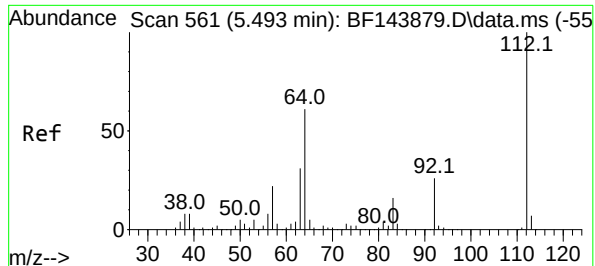
Delta R.T. -0.029 min

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





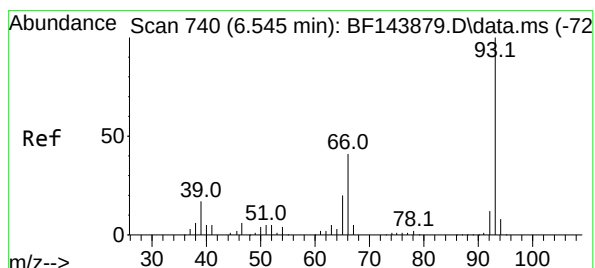
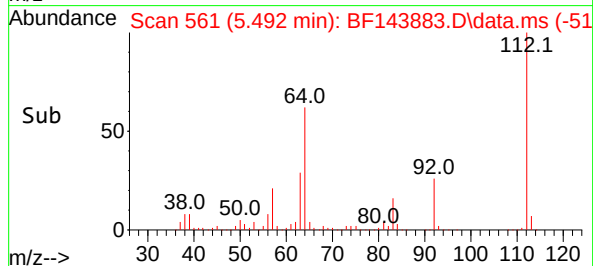
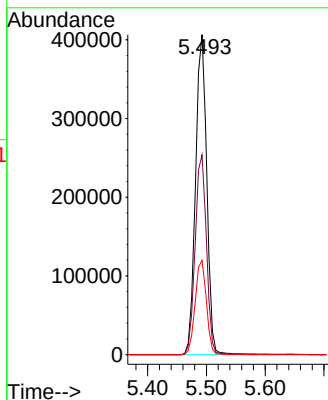
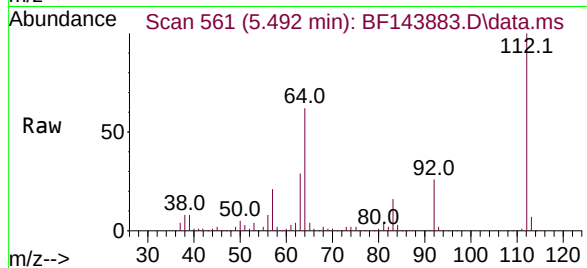
#5
2-Fluorophenol
Concen: 74.908 ng
RT: 5.492 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

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

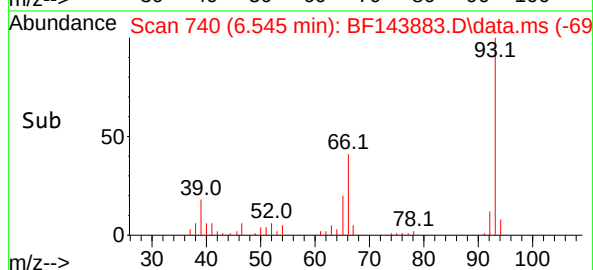
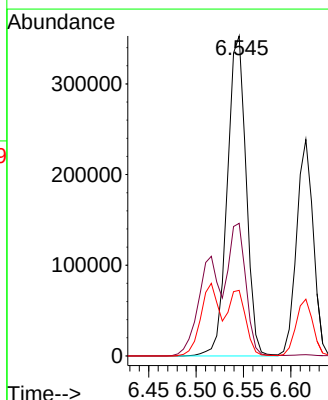
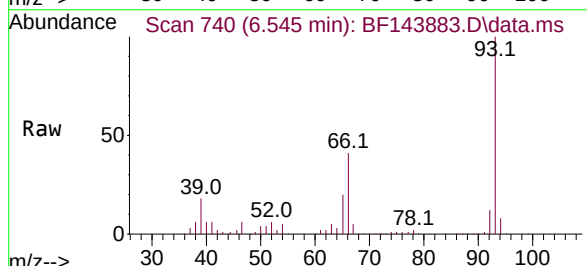
Manual Integrations
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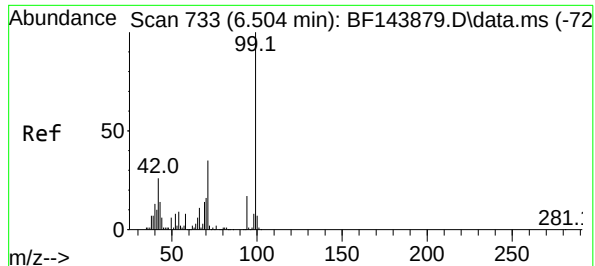
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

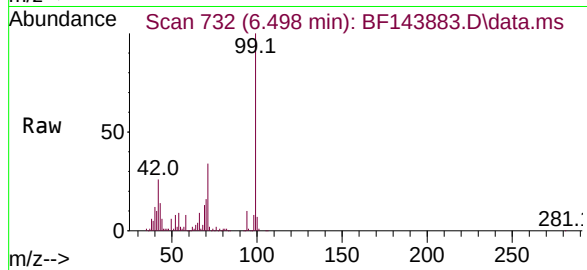
Tgt Ion: 93 Resp: 486607
Ion Ratio Lower Upper
93 100
66 41.4 33.0 49.6
65 20.5 15.8 23.8





#7
Phenol-d6
Concen: 74.487 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

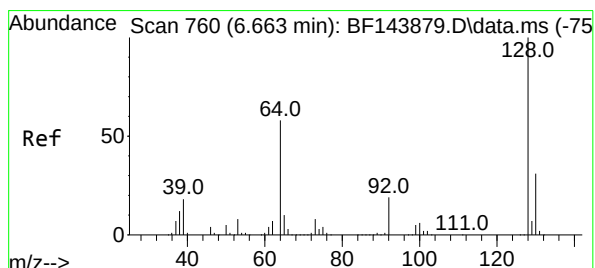
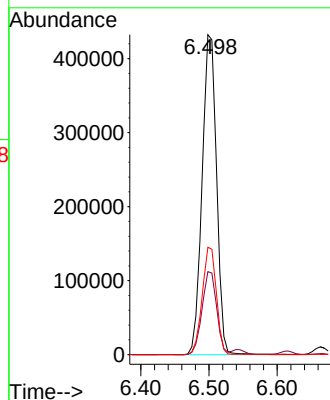
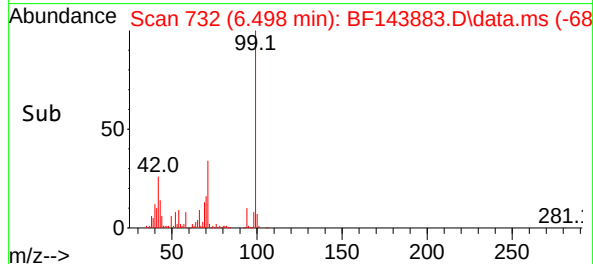
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion: 99 Resp: 637592
Ion Ratio Lower Upper
99 100
42 25.9 21.0 31.4
71 33.5 27.8 41.8

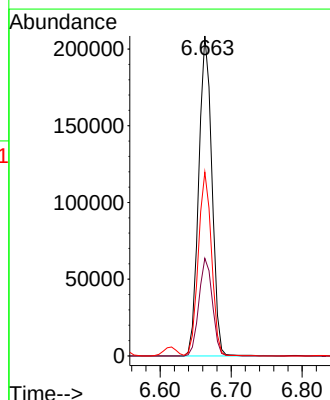
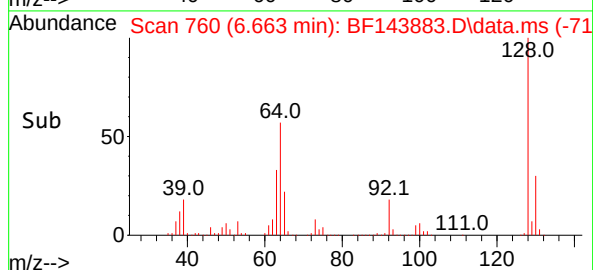
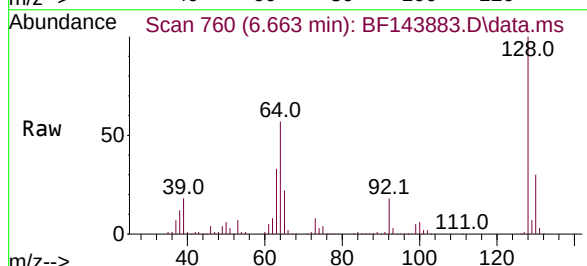
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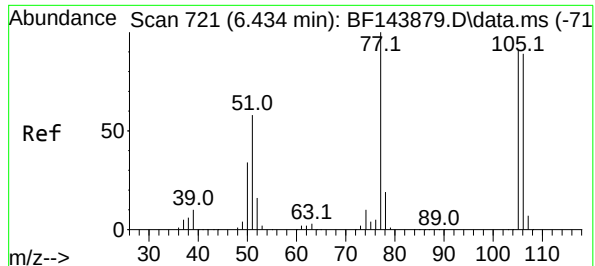
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 721

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion: 77 Resp: 24524

Ion Ratio Lower Upper

77 100

105 92.0 70.9 110.9

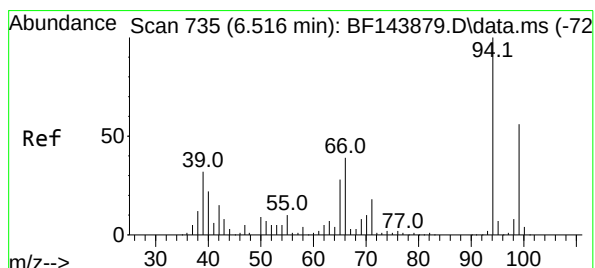
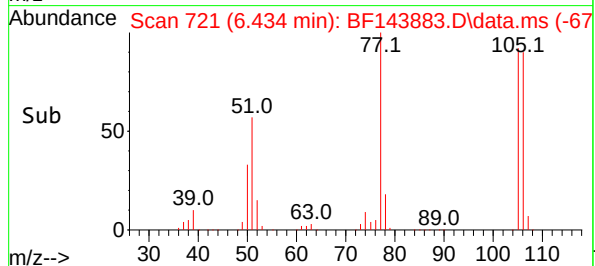
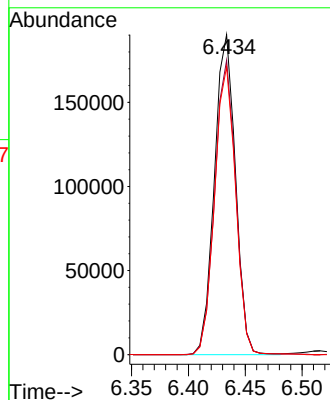
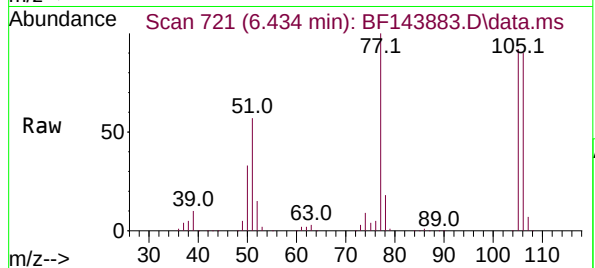
106 90.0 68.9 108.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

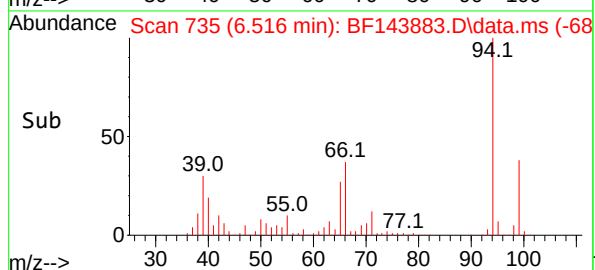
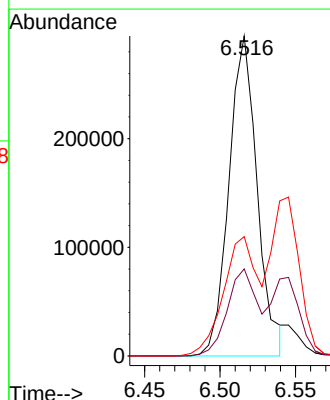
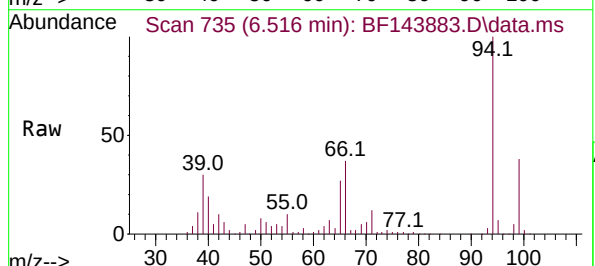
Tgt Ion: 94 Resp: 383770

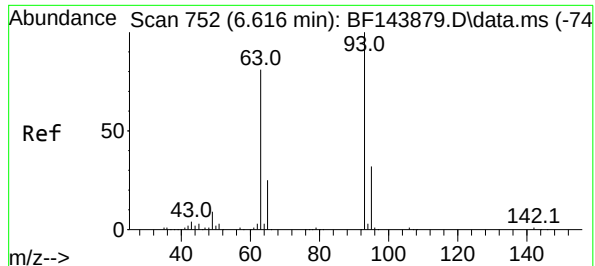
Ion Ratio Lower Upper

94 100

65 27.2 8.5 48.5

66 37.3 19.9 59.9





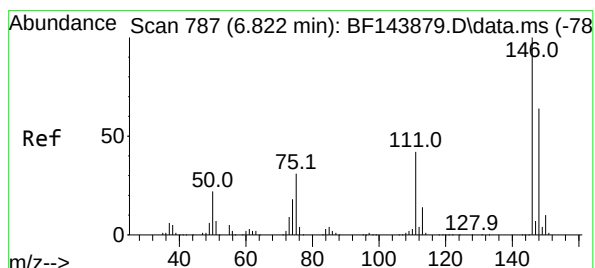
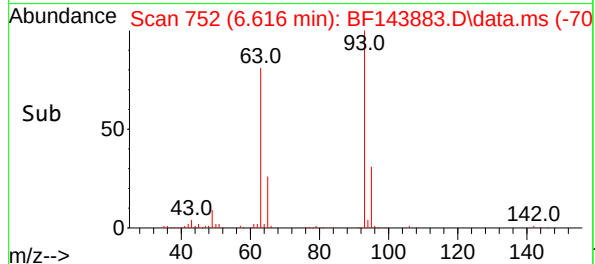
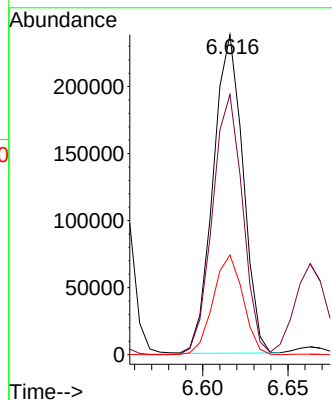
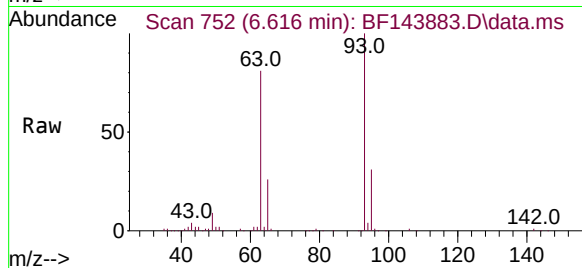
#11
bis(2-Chloroethyl)ether
Concen: 36.561 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Tgt Ion: 93 Resp: 289024
Ion Ratio Lower Upper
93 100
63 81.3 60.9 100.9
95 31.1 11.5 51.5

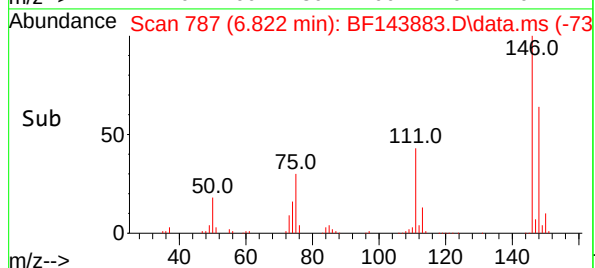
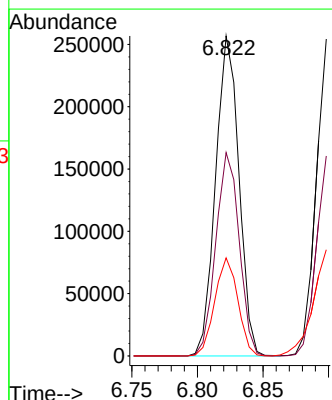
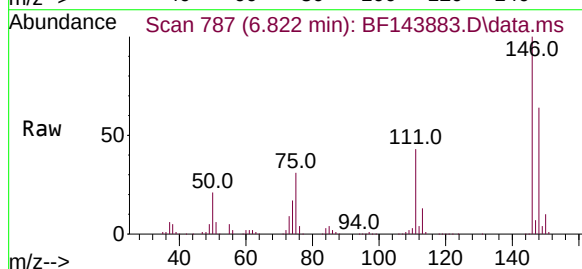
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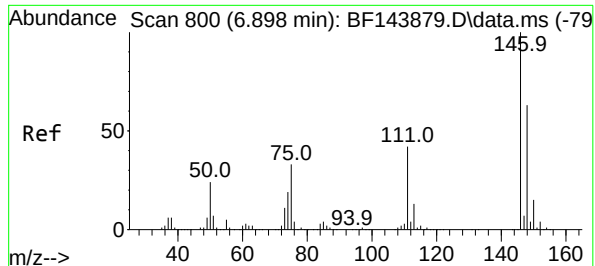
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 800

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:146 Resp: 31822

Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

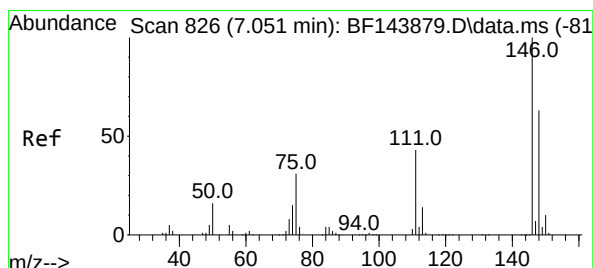
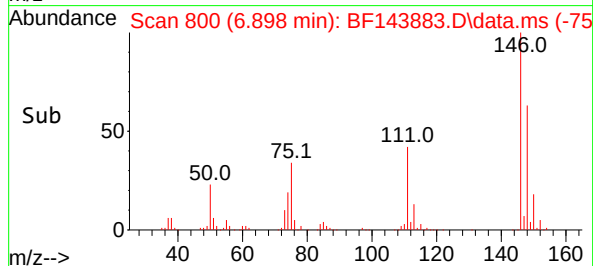
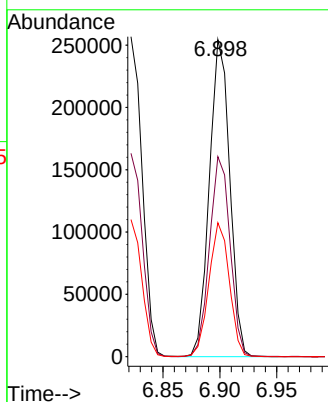
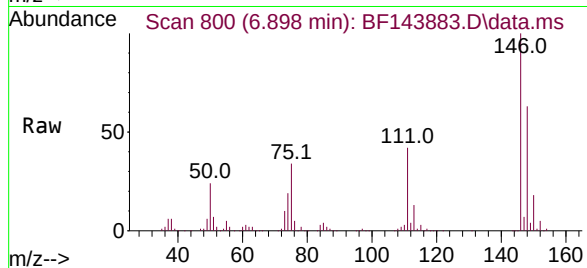
111 42.2 33.4 50.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

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

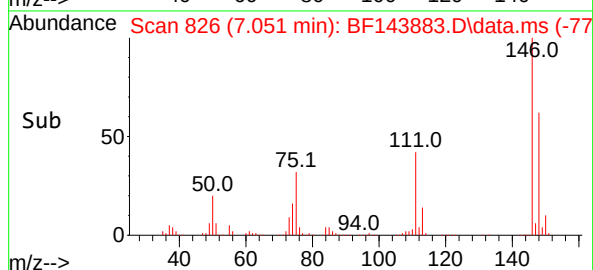
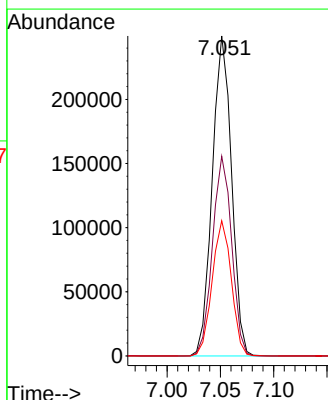
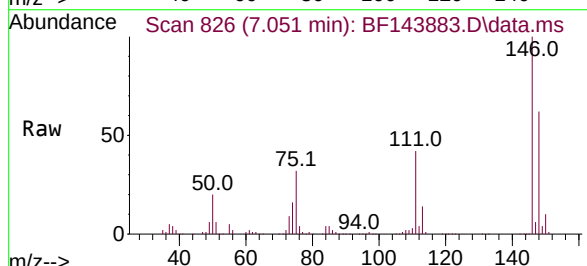
Tgt Ion:146 Resp: 314832

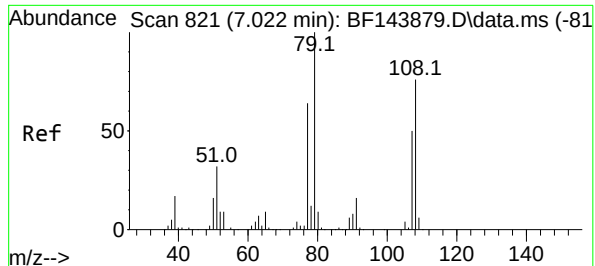
Ion Ratio Lower Upper

146 100

148 62.4 50.6 75.8

111 42.2 34.6 51.8





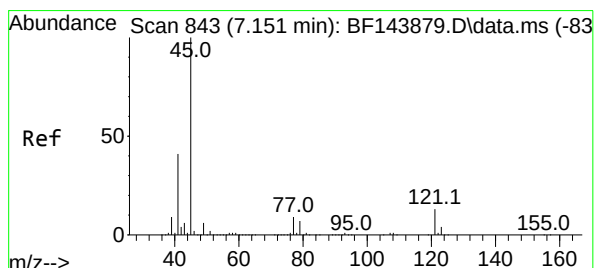
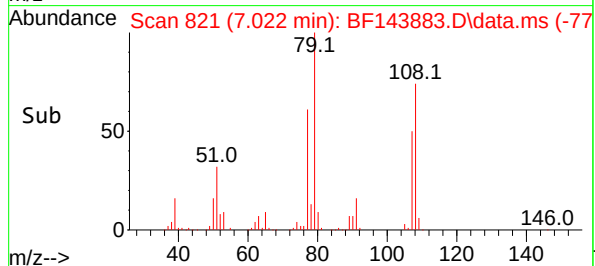
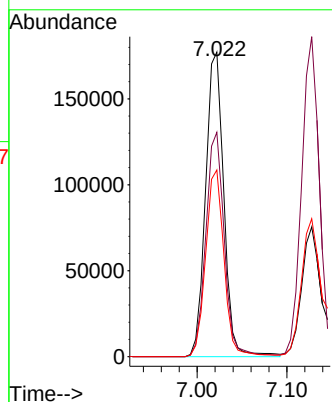
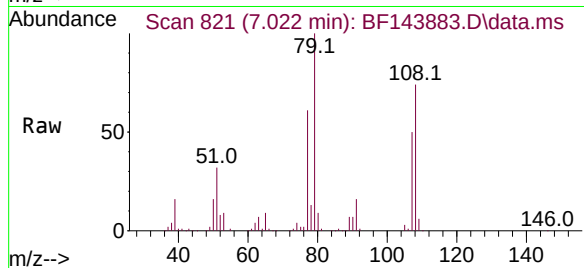
#15
Benzyl Alcohol
Concen: 38.974 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Tgt Ion: 79 Resp: 249958
Ion Ratio Lower Upper
79 100
108 73.6 60.8 91.2
77 61.3 51.0 76.6

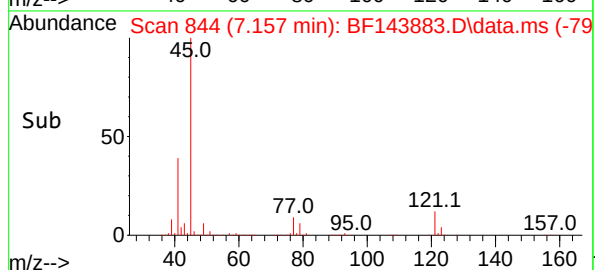
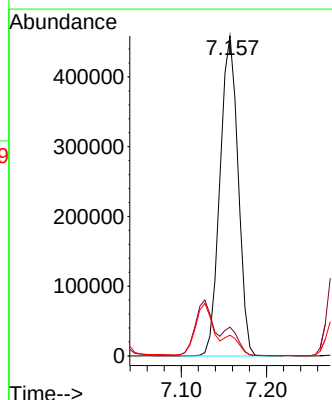
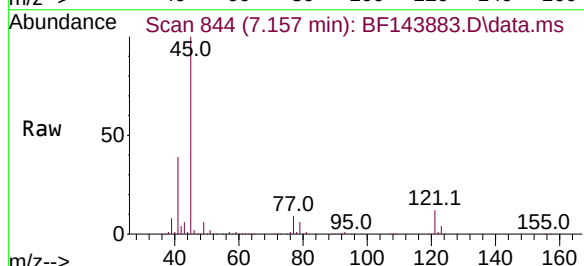
Manual Integrations
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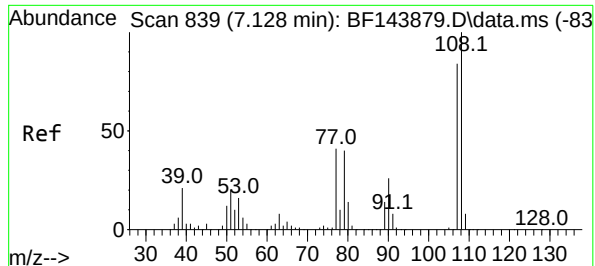
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 839
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

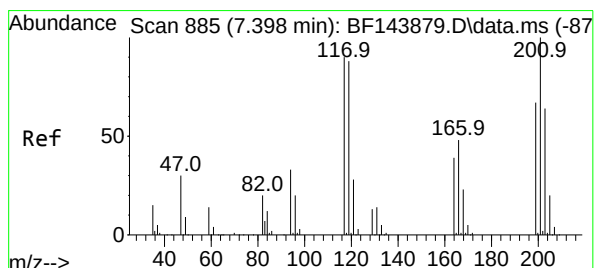
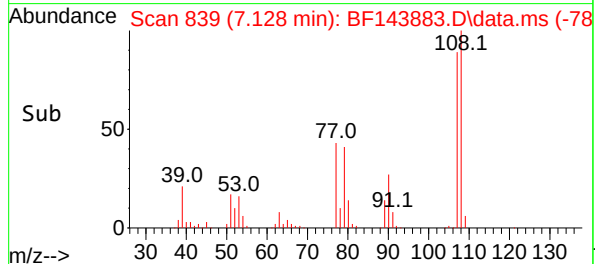
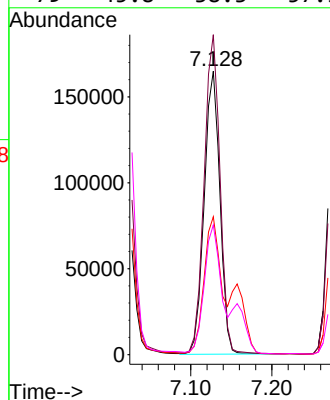
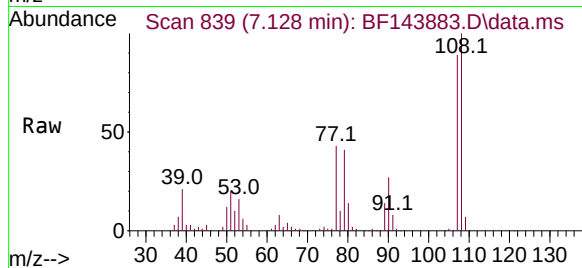
ClientSampleId :

ICVBF100625

Tgt 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

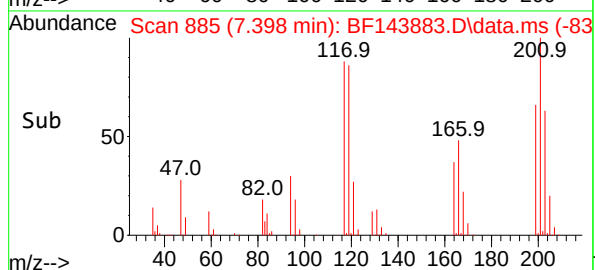
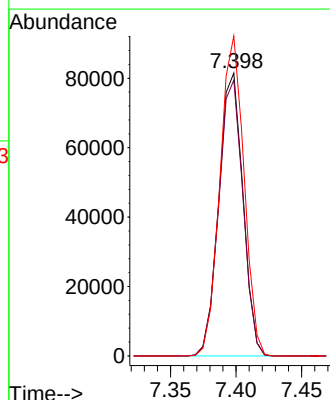
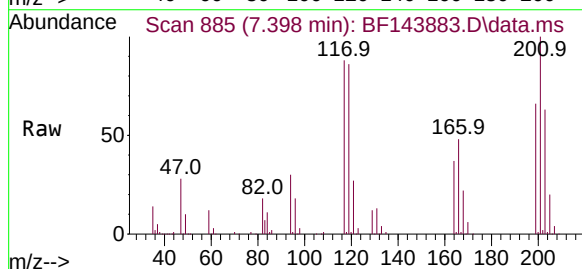
Manual Integrations
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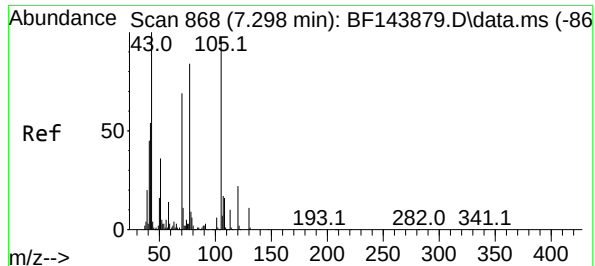
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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	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# 868

Delta R.T. -0.023 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion: 70 Resp: 214516

Ion Ratio Lower Upper

70 100

42 80.2 62.8 94.2

101 8.3 6.7 10.1

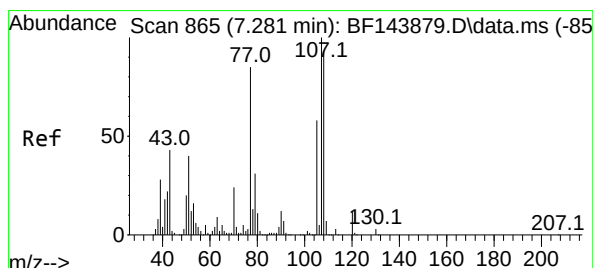
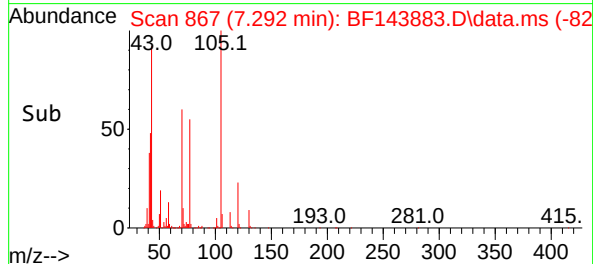
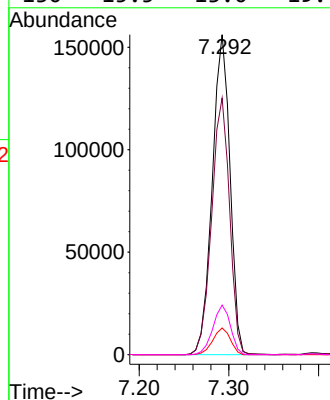
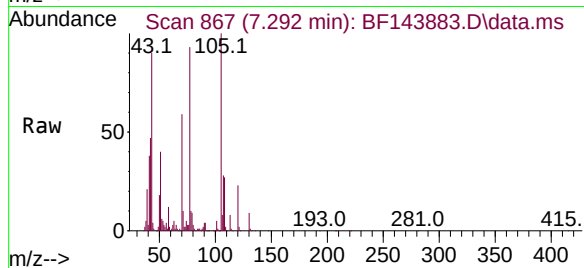
130 15.5 13.0 19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

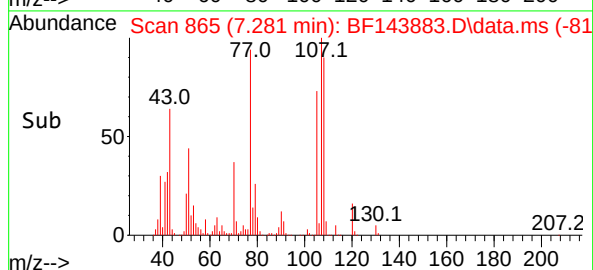
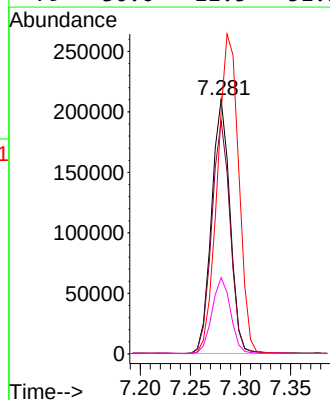
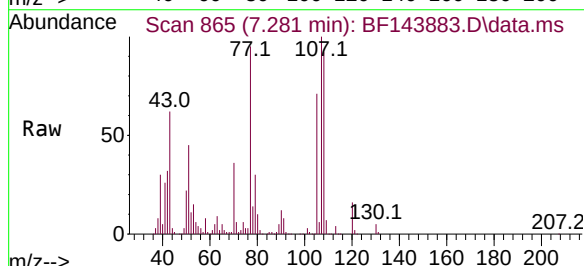
Ion Ratio Lower Upper

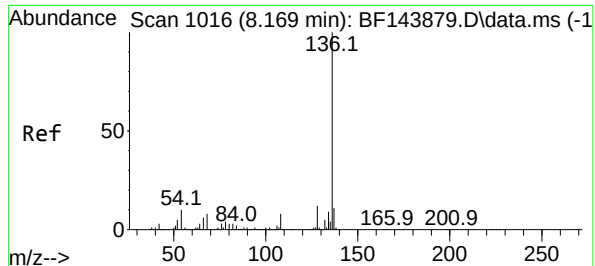
107 100

108 91.5 73.0 113.0

77 95.3 64.6 104.6

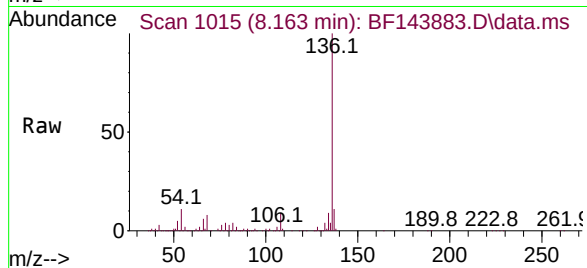
79 30.0 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

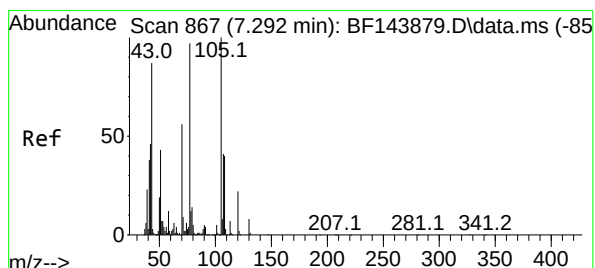
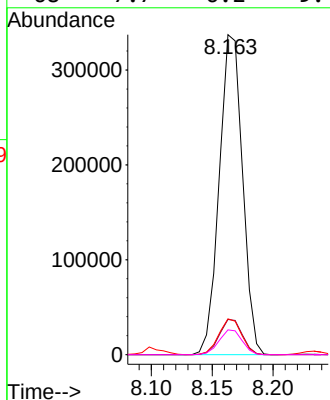
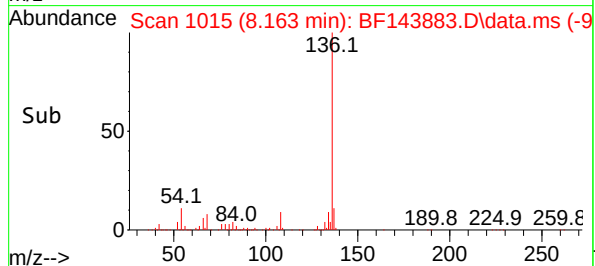
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:136 Resp: 448972
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

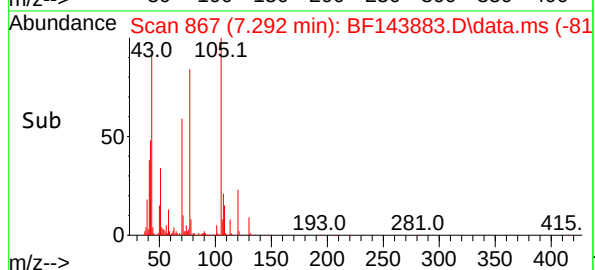
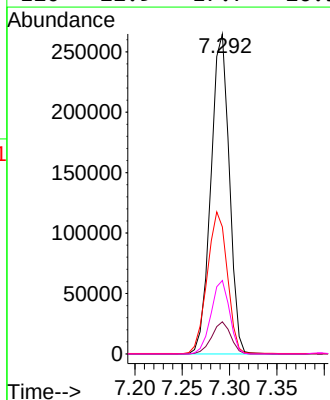
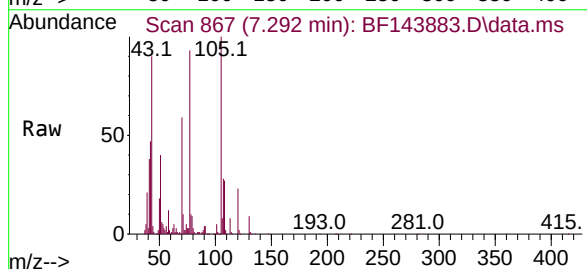
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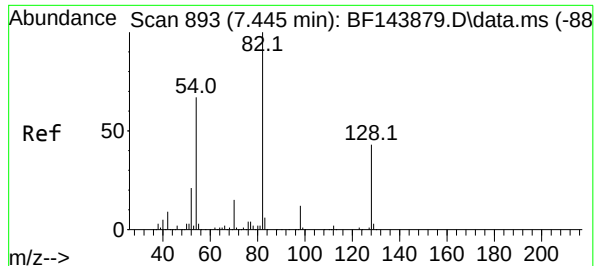
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 893

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

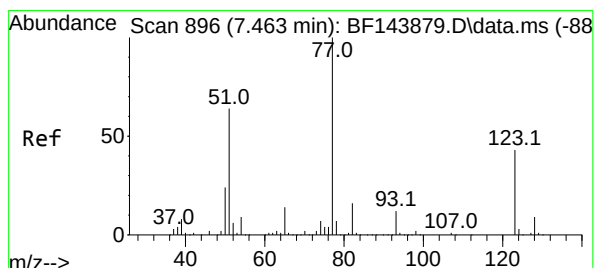
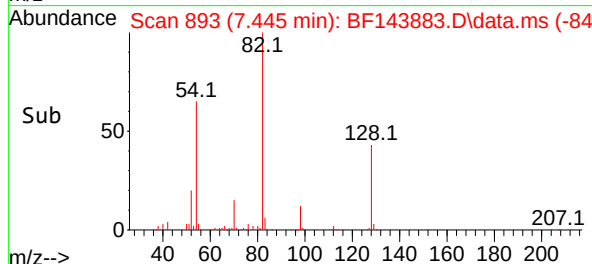
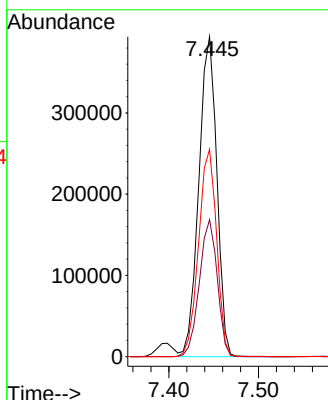
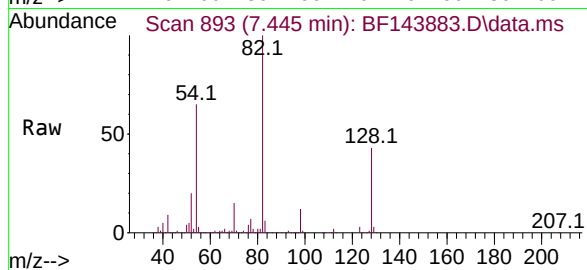
ClientSampleId :

ICVBF100625

Tgt Ion:	82	Resp:	54929
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.8	53.2	79.8

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



#24

Nitrobenzene

Concen: 37.727 ng

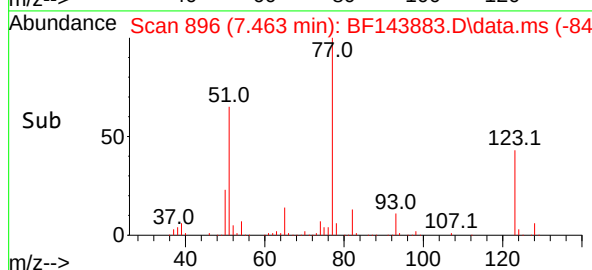
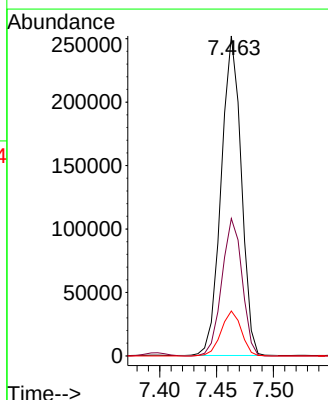
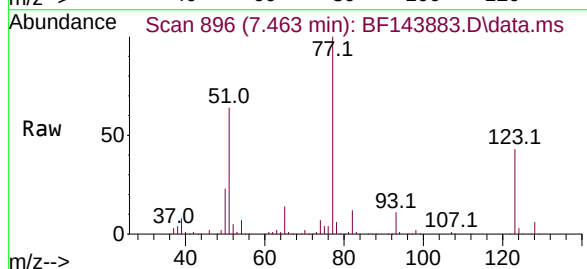
RT: 7.463 min Scan# 896

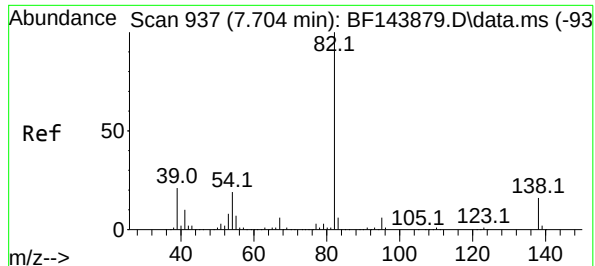
Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

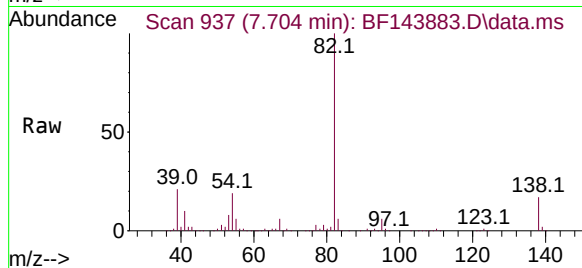
Tgt Ion:	77	Resp:	309611
Ion	Ratio	Lower	Upper
77	100		
123	42.9	34.2	51.4
65	14.0	11.0	16.6





#25
Isophorone
Concen: 35.347 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

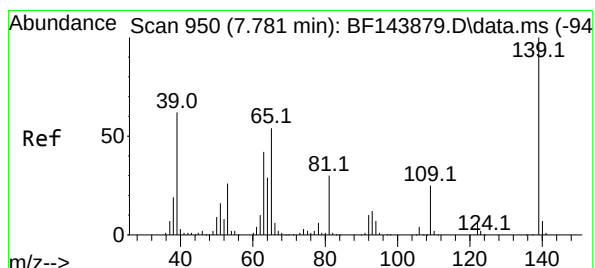
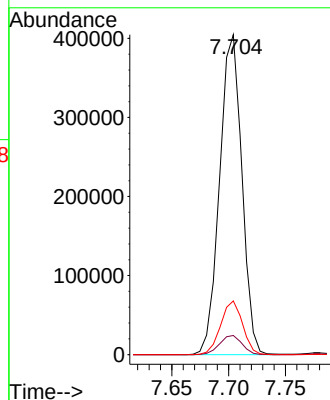
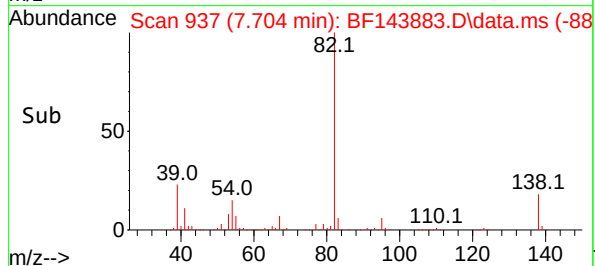
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion: 82 Resp: 550779
Ion Ratio Lower Upper
82 100
95 6.0 5.1 7.7
138 16.8 12.9 19.3

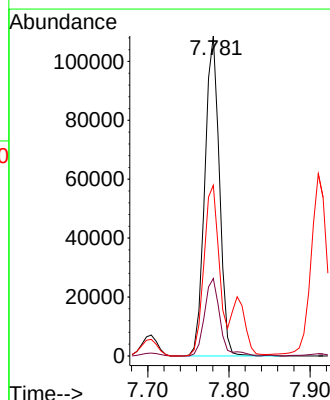
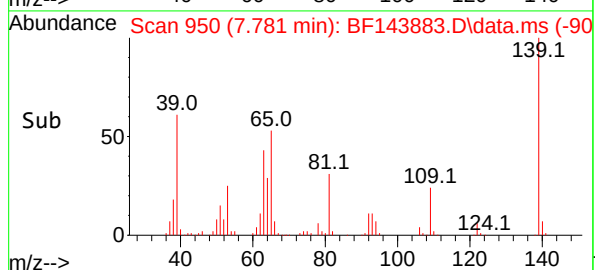
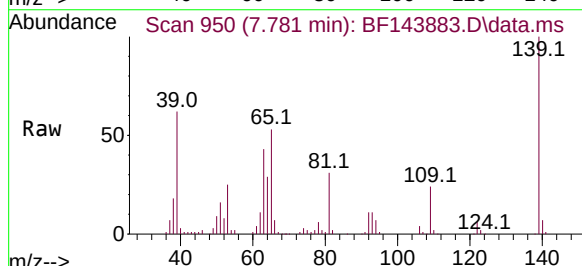
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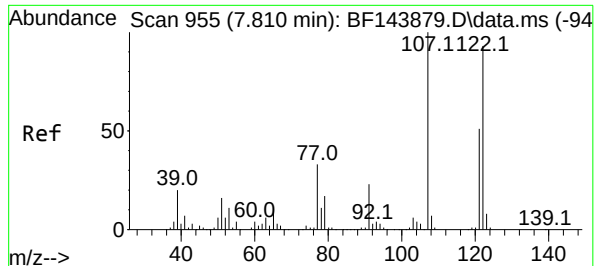
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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





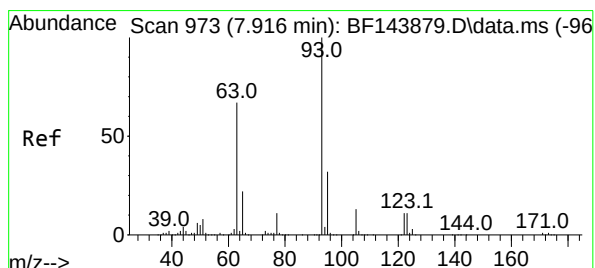
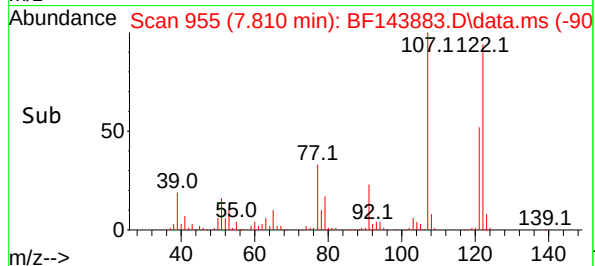
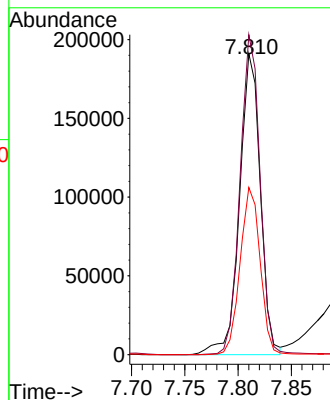
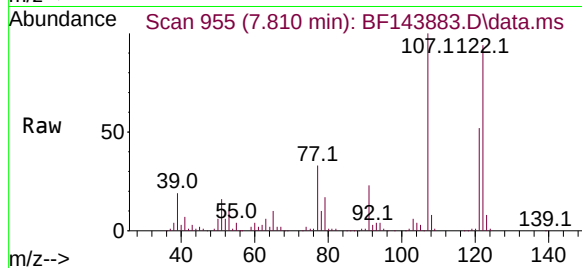
#27
2,4-Dimethylphenol
Concen: 40.847 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Tgt Ion:122 Resp: 258524
Ion Ratio Lower Upper
122 100
107 106.3 86.1 129.1
121 55.5 43.8 65.6

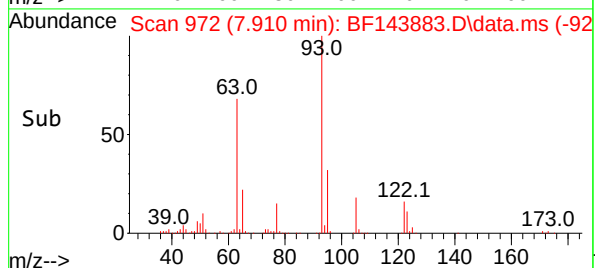
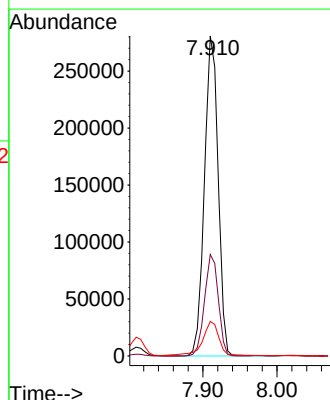
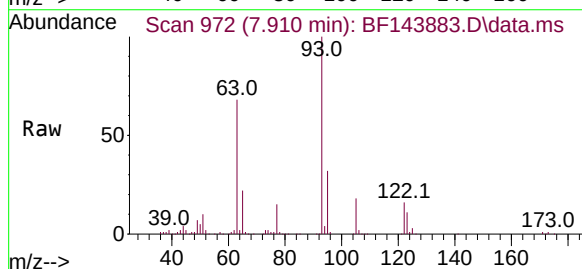
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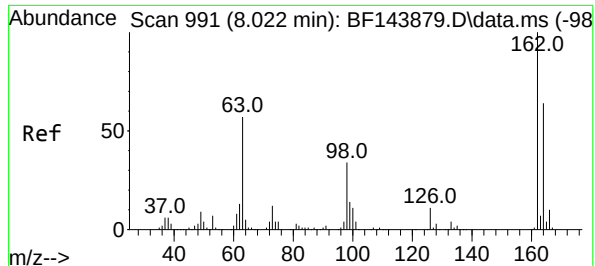
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 991

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:162 Resp: 243265

Ion Ratio Lower Upper

162 100

164 61.1 43.9 83.9

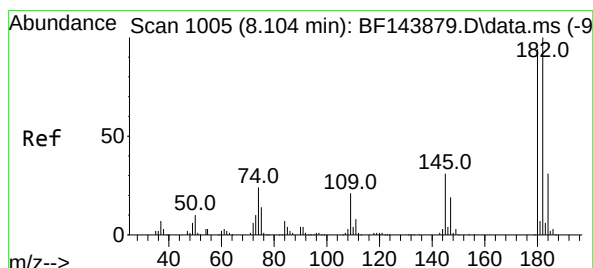
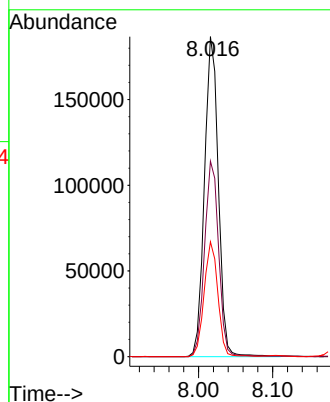
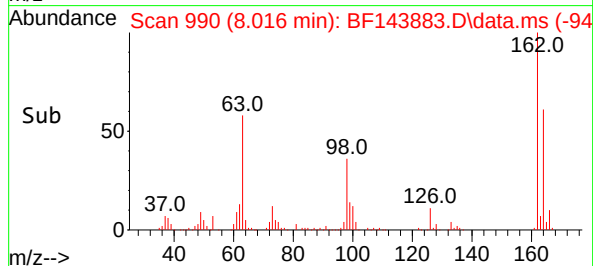
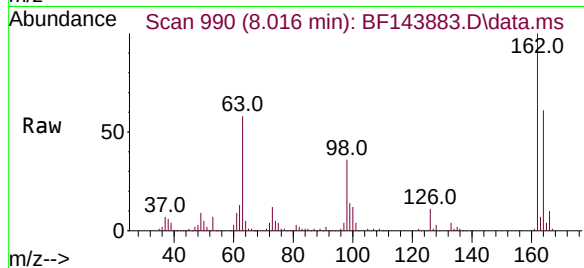
98 35.9 14.4 54.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

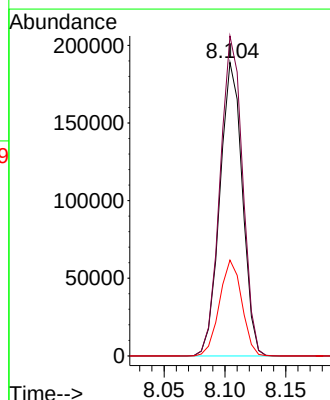
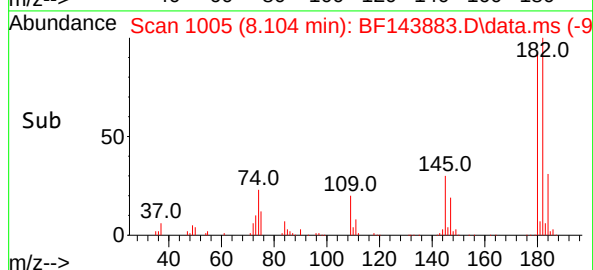
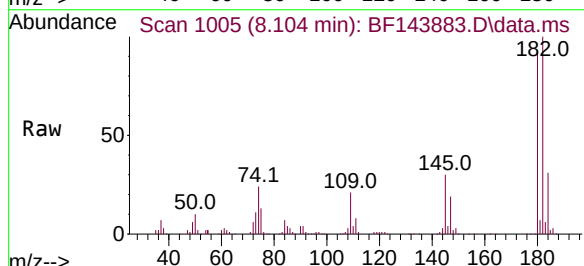
Tgt Ion:180 Resp: 243161

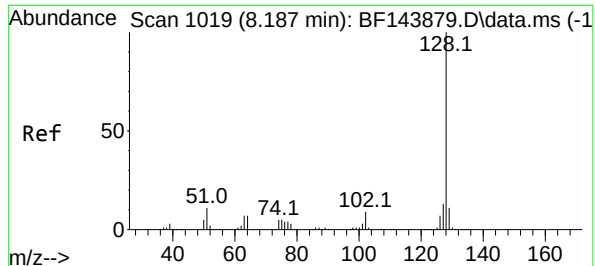
Ion Ratio Lower Upper

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# 1019

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:128 Resp: 749110

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

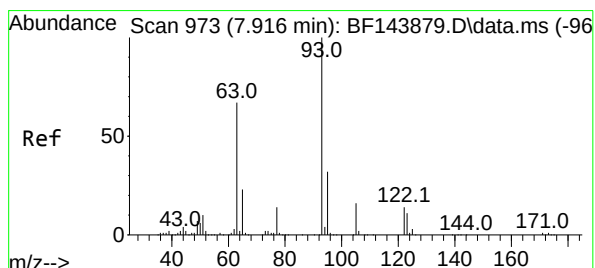
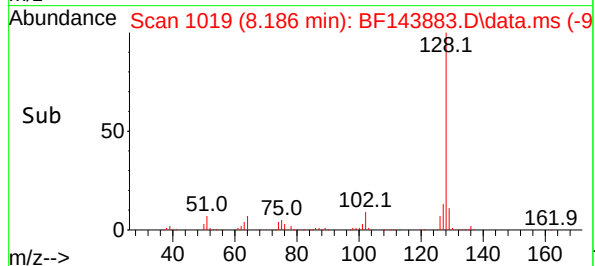
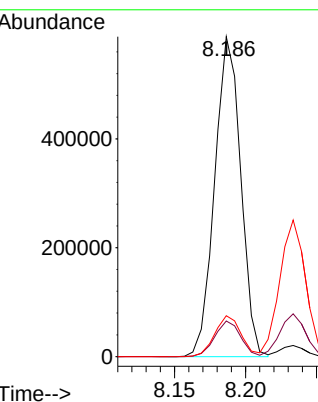
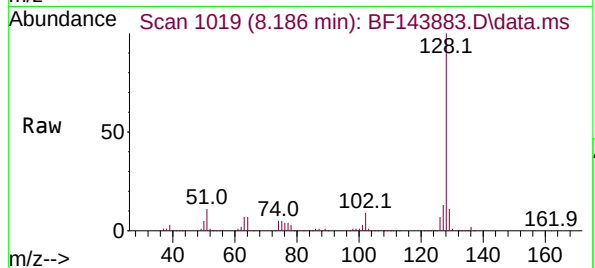
127 12.8 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

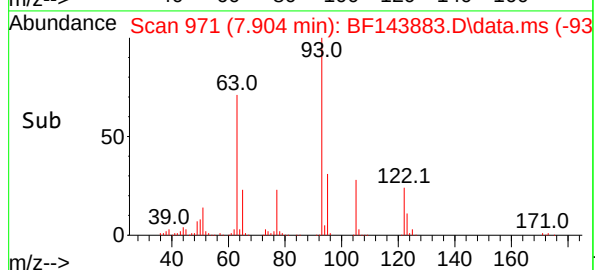
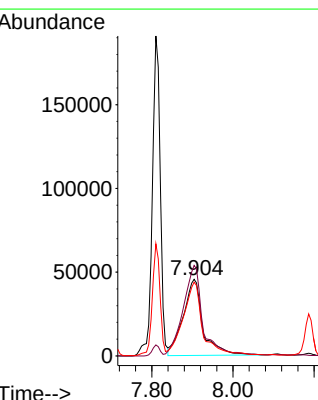
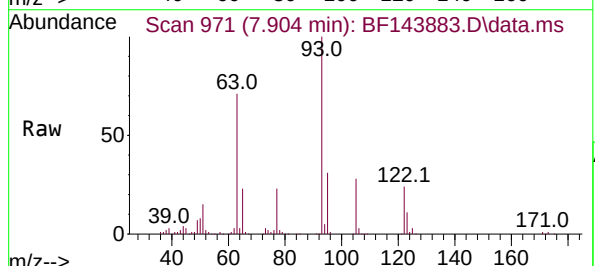
Tgt Ion:122 Resp: 154019

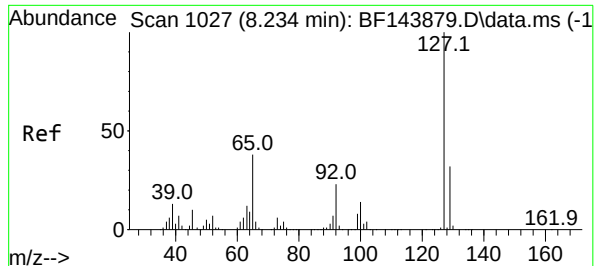
Ion Ratio Lower Upper

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# 1027

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:127 Resp: 321328

Ion Ratio Lower Upper

127 100

129 31.3 25.8 38.8

65 35.7 30.0 45.0

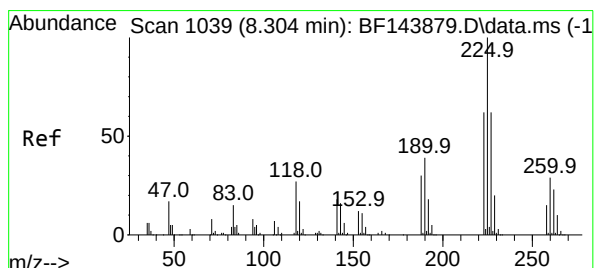
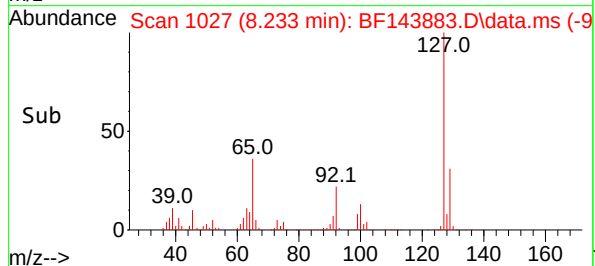
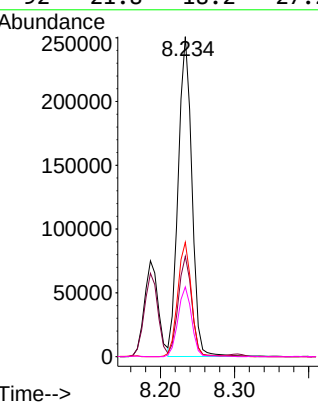
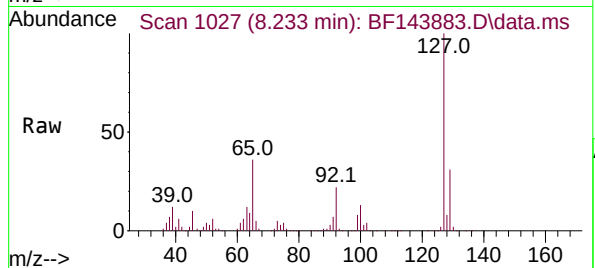
92 21.8 18.2 27.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

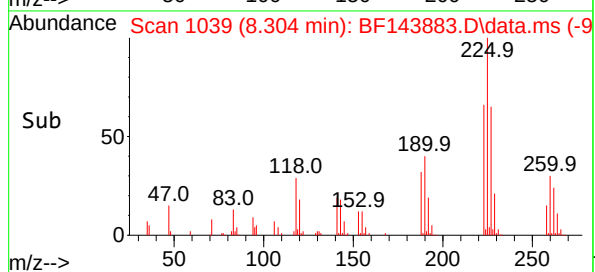
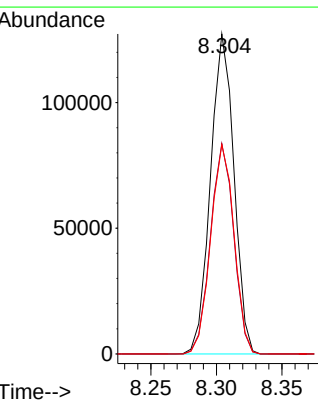
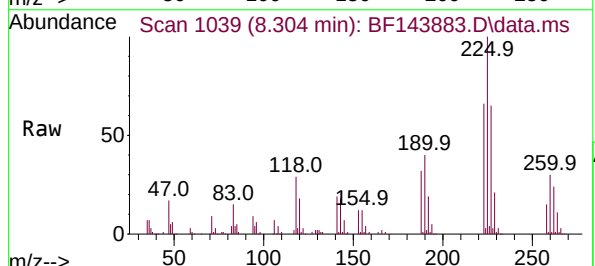
Tgt Ion:225 Resp: 158600

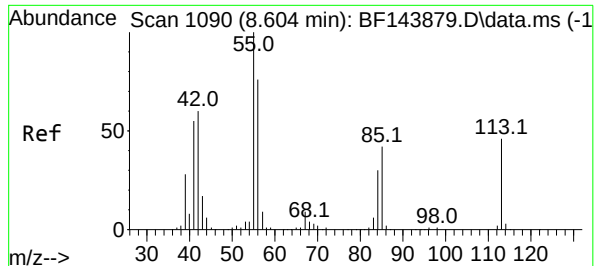
Ion Ratio Lower Upper

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# 1089

Delta R.T. -0.047 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

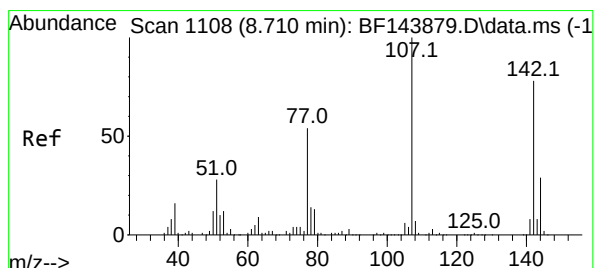
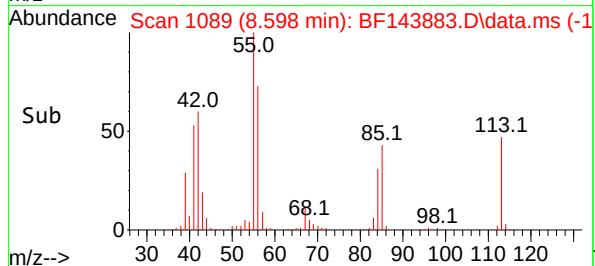
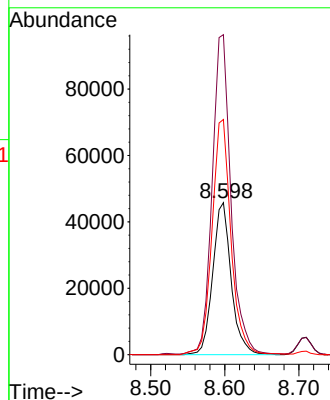
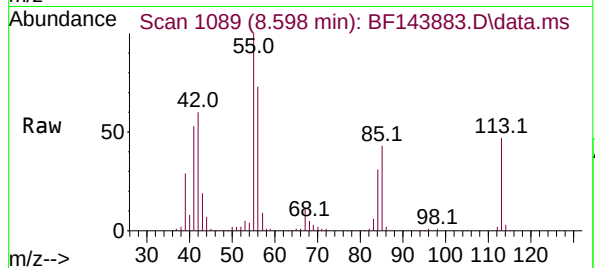
Tgt Ion:	113	Resp:	79102
Ion	Ratio	Lower	Upper
113	100		
55	210.6	199.6	239.6
56	154.8	146.0	186.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#36

4-Chloro-3-methylphenol

Concen: 36.079 ng

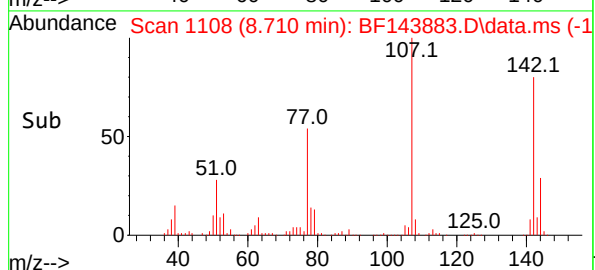
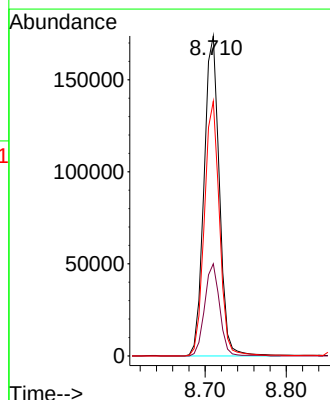
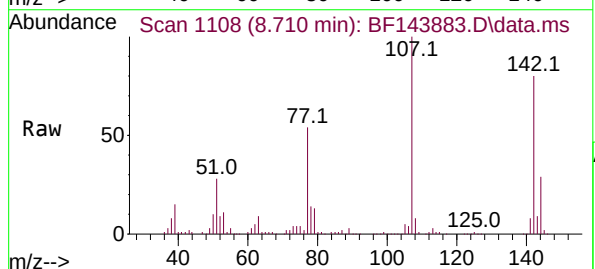
RT: 8.710 min Scan# 1108

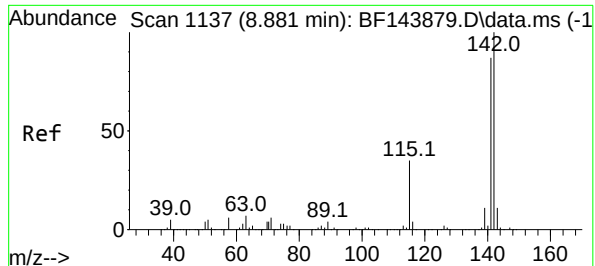
Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

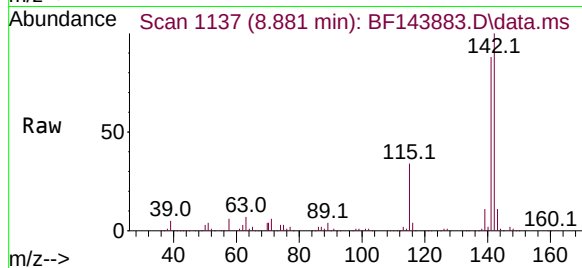
Tgt Ion:	107	Resp:	228481
Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	79.6	62.6	94.0





#37
2-Methylnaphthalene
Concen: 33.257 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

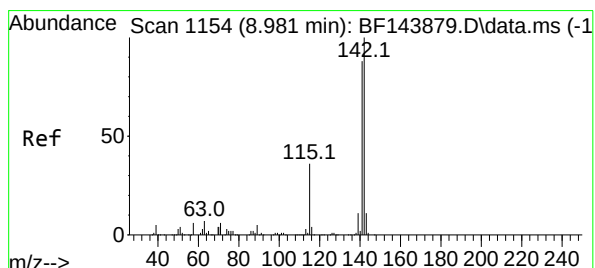
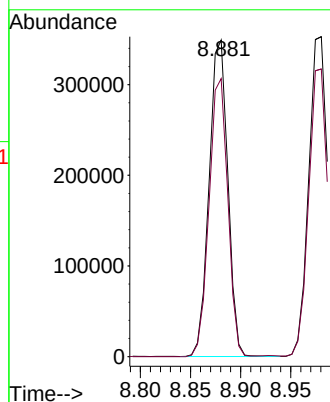
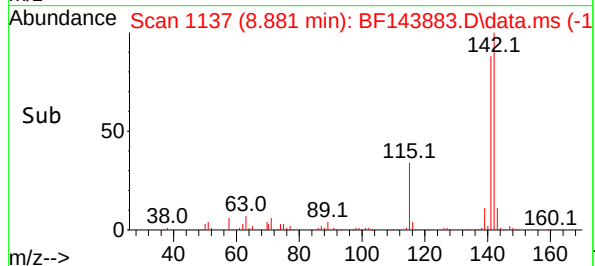
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:142 Resp: 452442
Ion Ratio Lower Upper
142 100
141 87.8 69.2 103.8

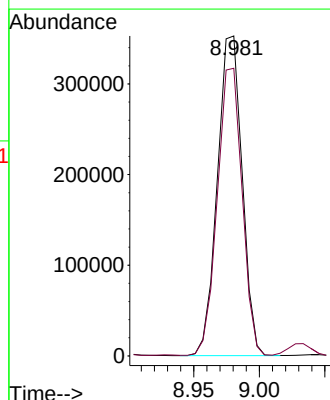
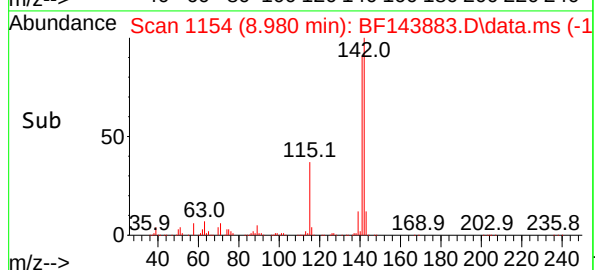
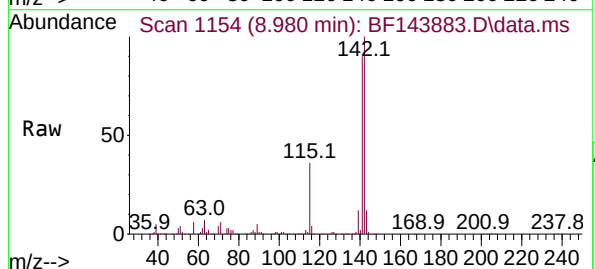
Manual Integrations
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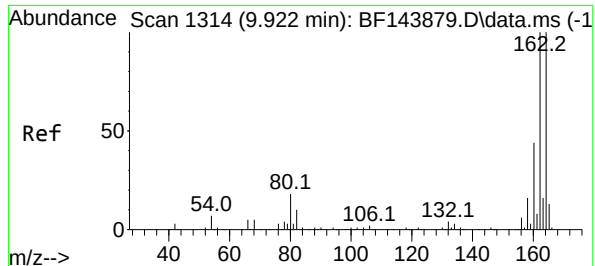
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1314

Delta R.T. -0.005 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

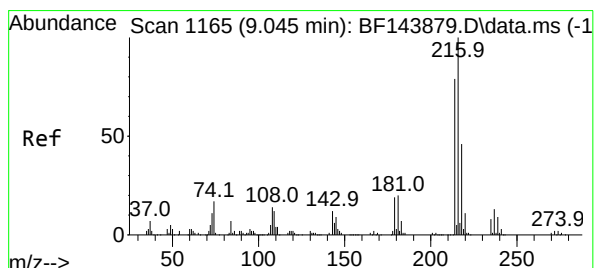
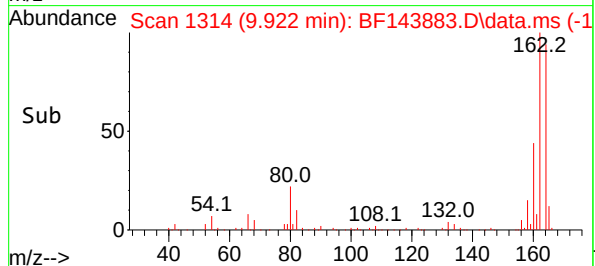
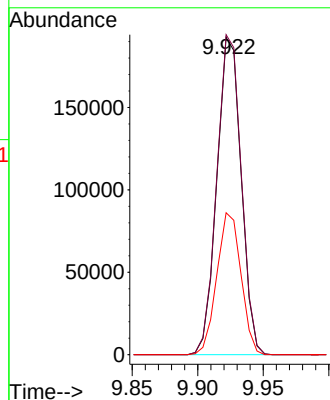
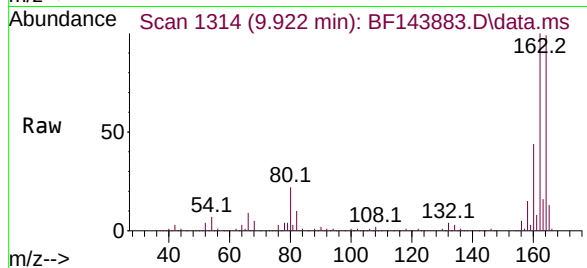
ICVBF100625

Tgt Ion:164 Resp: 247780
Ion Ratio Lower Upper
164 100
162 100.9 80.2 120.2
160 44.7 35.4 53.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.122 ng

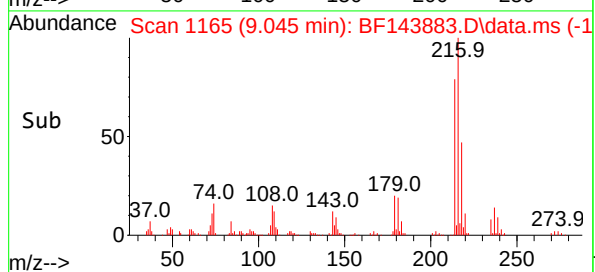
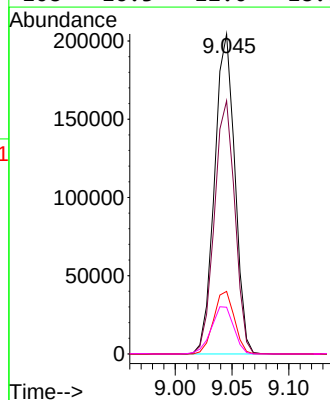
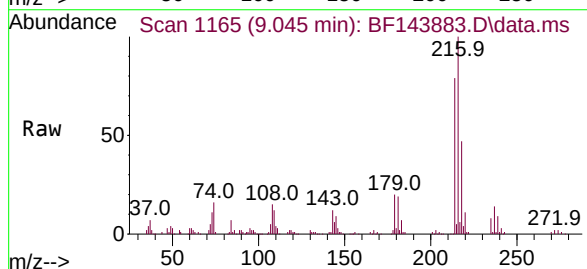
RT: 9.045 min Scan# 1165

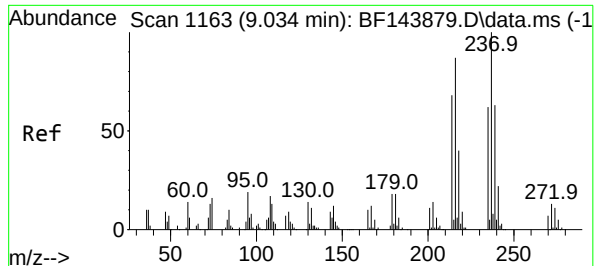
Delta R.T. -0.006 min

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# 1163

Delta R.T. 0.000 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

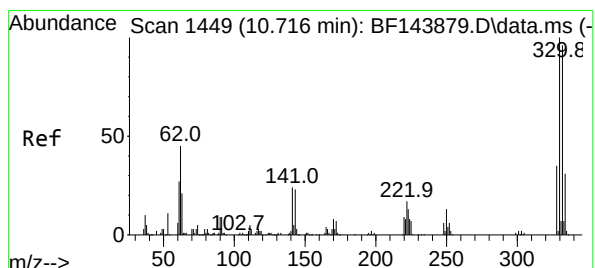
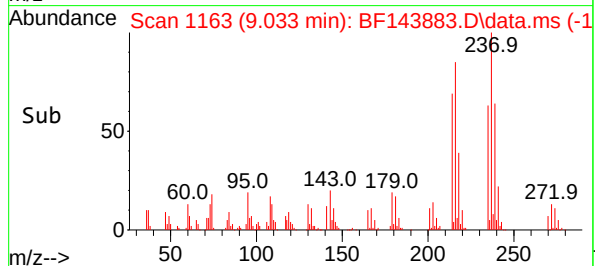
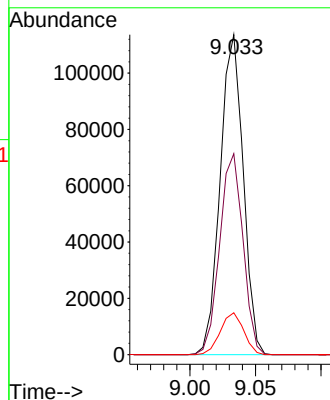
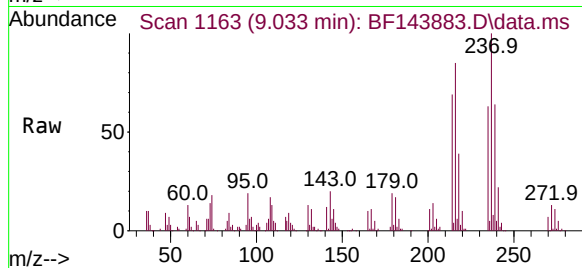
Tgt Ion:	237	Resp:	139168
Ion Ratio	Lower	Upper	
237	100		
235	62.8	42.3	82.3
272	13.1	0.0	33.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#42

2,4,6-Tribromophenol

Concen: 71.685 ng

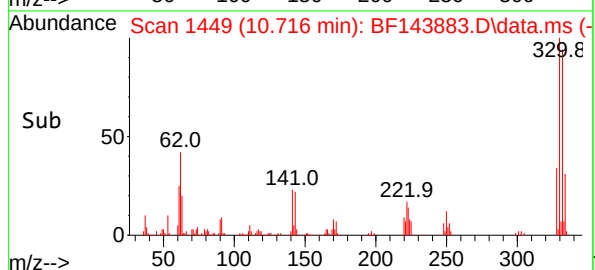
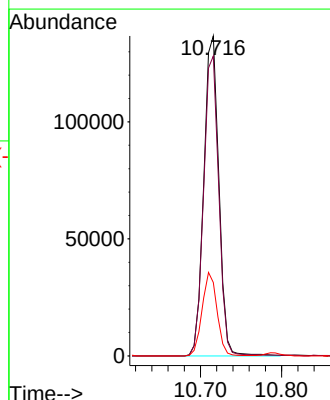
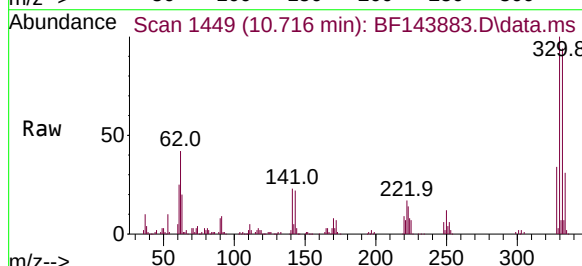
RT: 10.716 min Scan# 1449

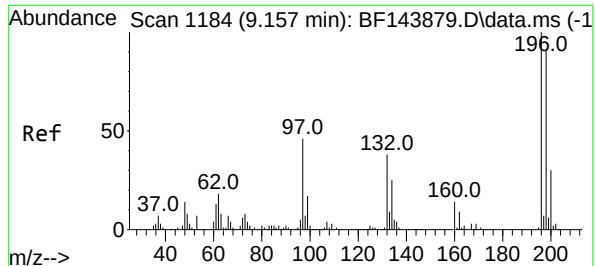
Delta R.T. -0.006 min

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# 1183

Delta R.T. -0.012 min

Lab File: BF143883.D

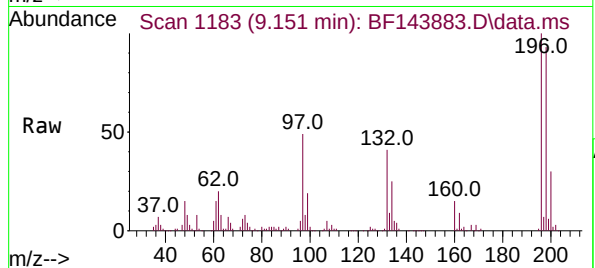
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625



Tgt Ion:196 Resp: 183769

Ion Ratio Lower Upper

196 100

198 93.3 72.8 109.2

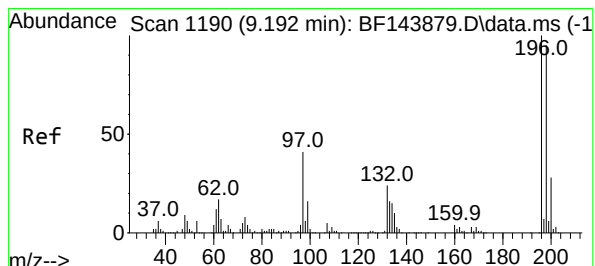
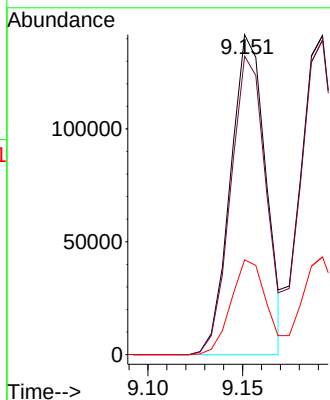
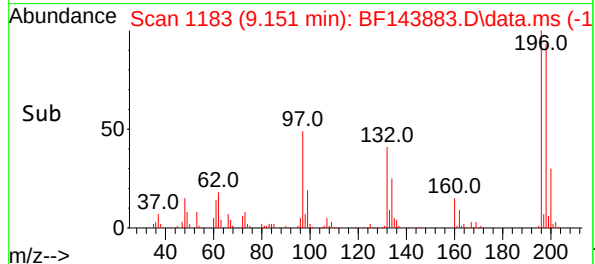
200 29.6 24.0 36.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#44

2,4,5-Trichlorophenol

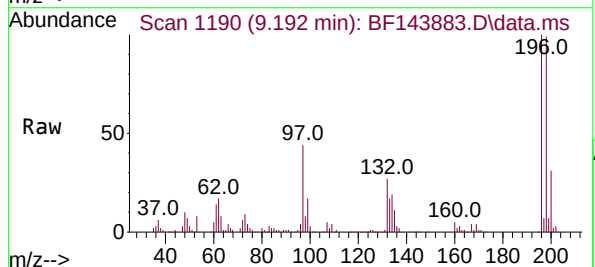
Concen: 35.194 ng

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

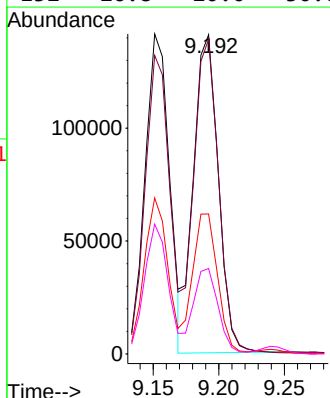
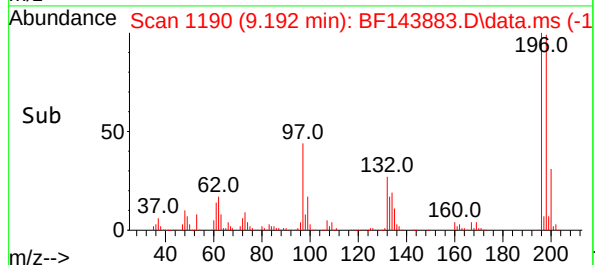
Ion Ratio Lower Upper

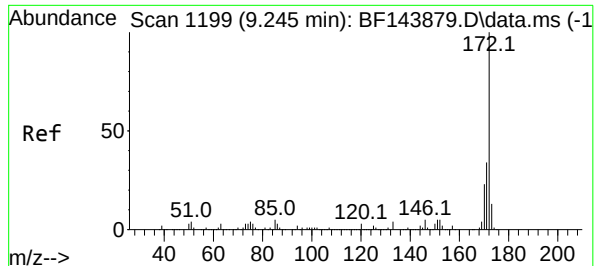
196 100

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# 1199

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:172 Resp: 105594

Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

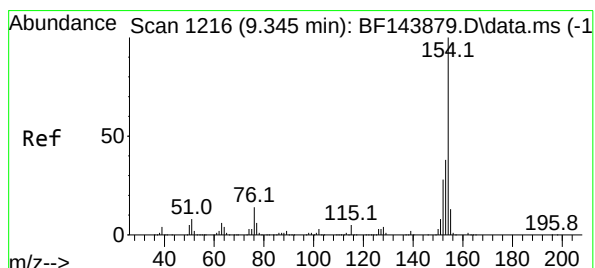
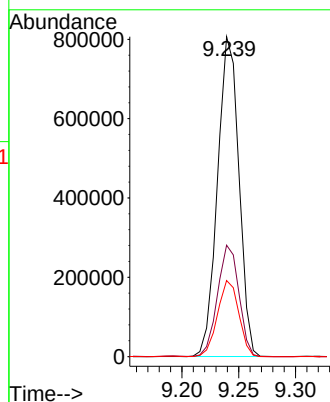
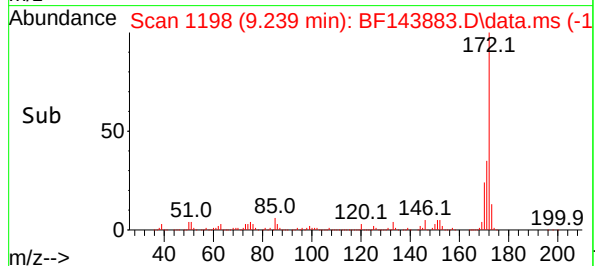
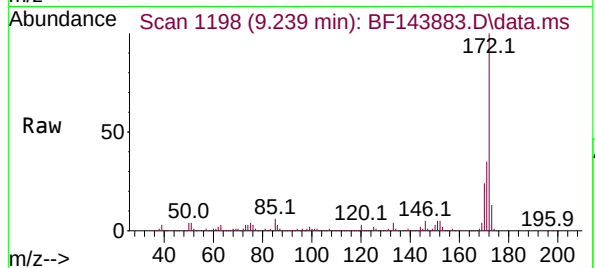
170 23.8 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

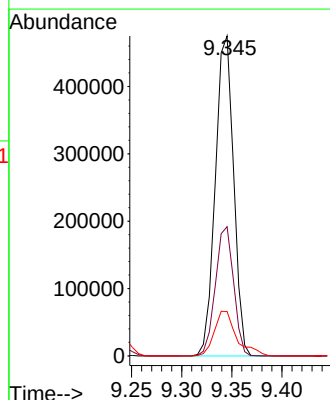
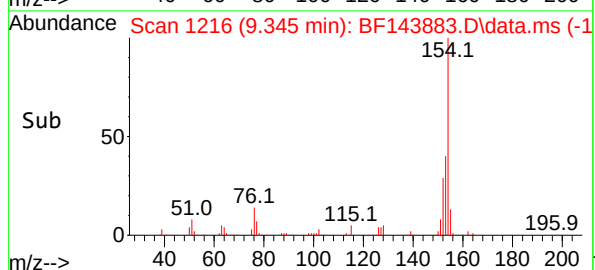
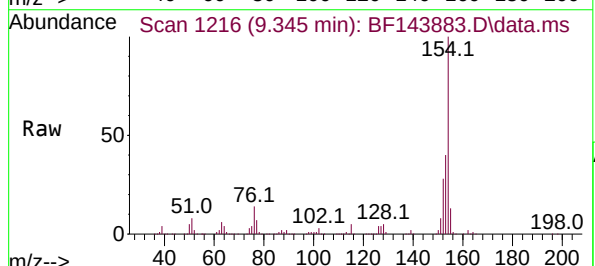
Tgt Ion:154 Resp: 603213

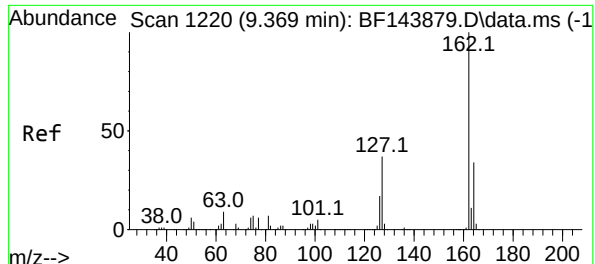
Ion Ratio Lower Upper

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# 1220

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

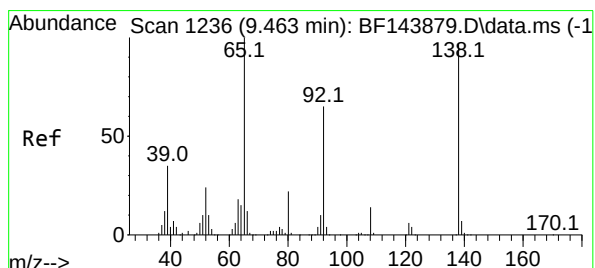
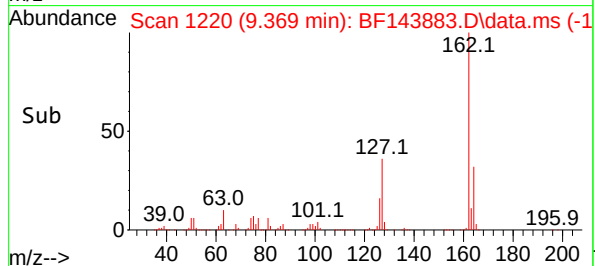
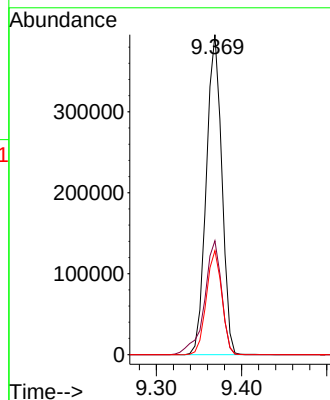
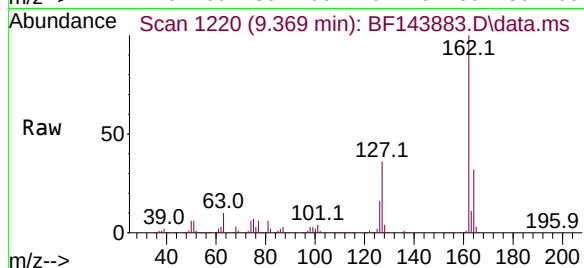
Tgt Ion:162	Resp: 498615
Ion Ratio	Lower Upper
162	100
127	35.6 30.2 45.2
164	32.5 26.9 40.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#48

2-Nitroaniline

Concen: 38.894 ng

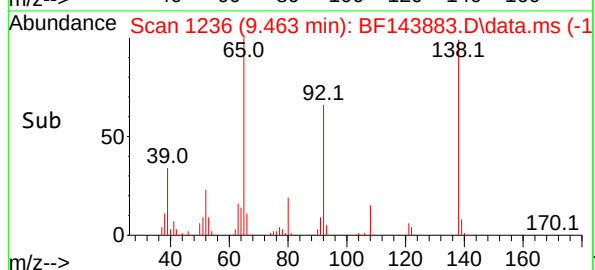
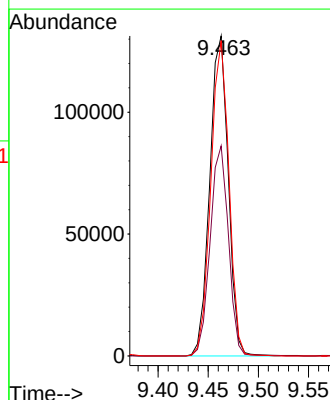
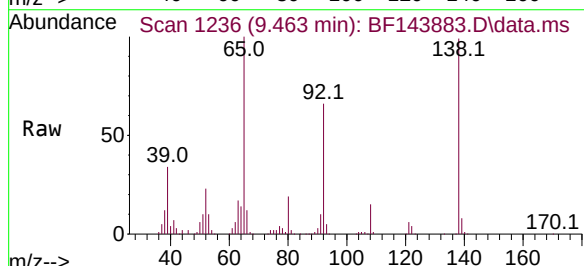
RT: 9.463 min Scan# 1236

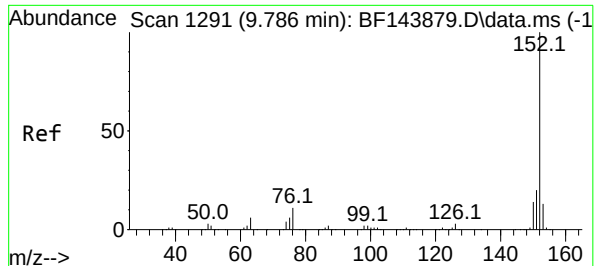
Delta R.T. -0.006 min

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# 1291

Delta R.T. 0.000 min

Lab File: BF143883.D

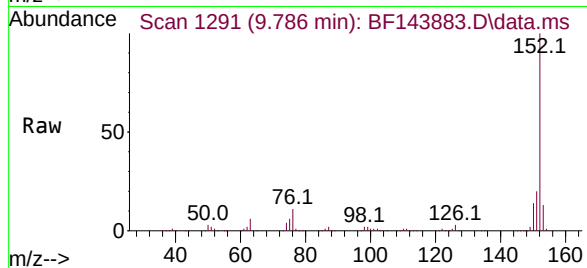
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625



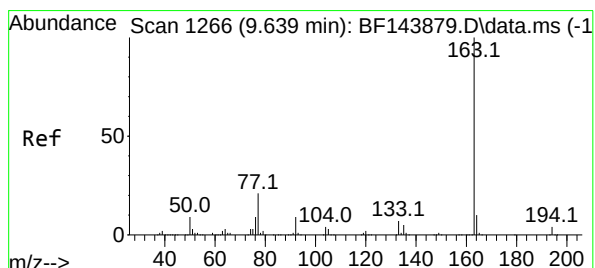
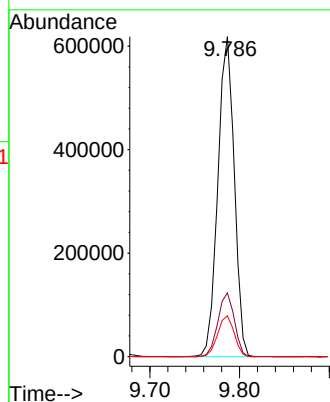
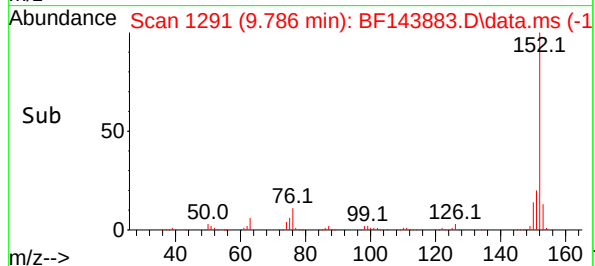
Tgt Ion:152	Resp: 78569
Ion Ratio	Lower Upper
152	100
151	19.9 15.8 23.6
153	12.8 10.5 15.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#50

Dimethylphthalate

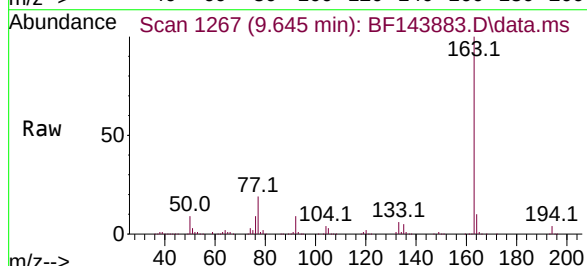
Concen: 35.968 ng

RT: 9.645 min Scan# 1267

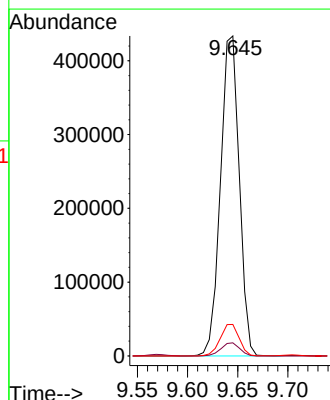
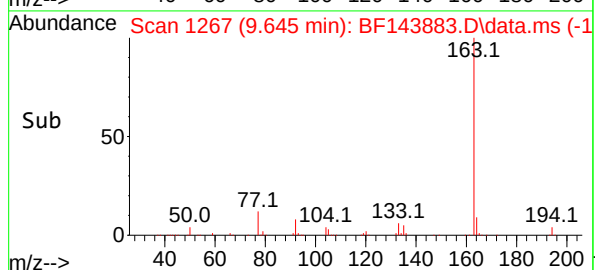
Delta R.T. 0.000 min

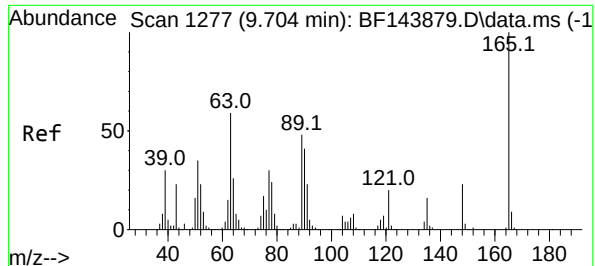
Lab File: BF143883.D

Acq: 06 Oct 2025 16:08



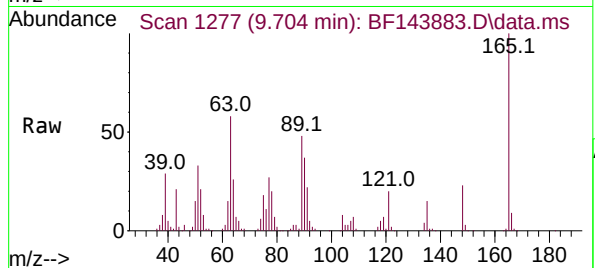
Tgt Ion:163	Resp: 565953
Ion Ratio	Lower Upper
163	100
194	4.1 3.3 4.9
164	9.8 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 41.967 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

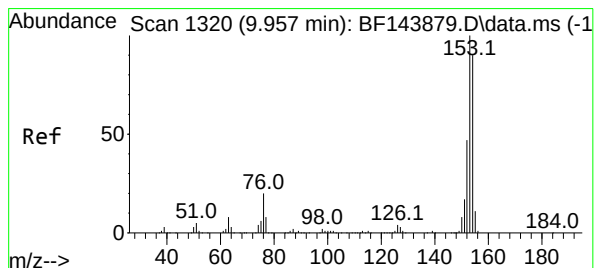
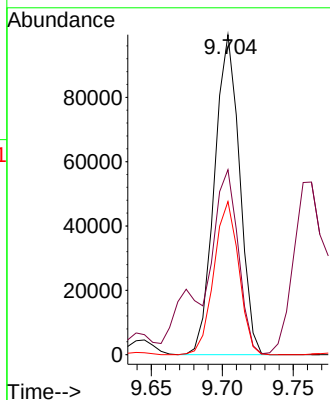
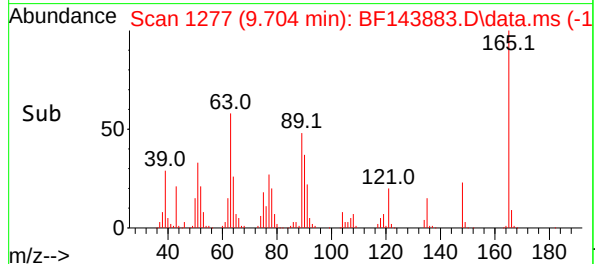
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:165 Resp: 122449
Ion Ratio Lower Upper
165 100
63 57.8 47.3 70.9
89 47.8 38.2 57.4

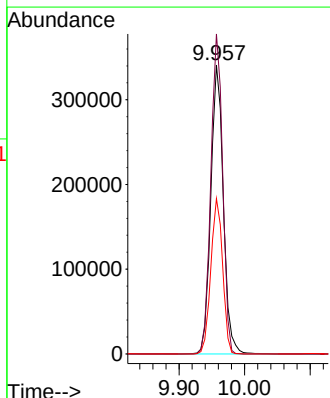
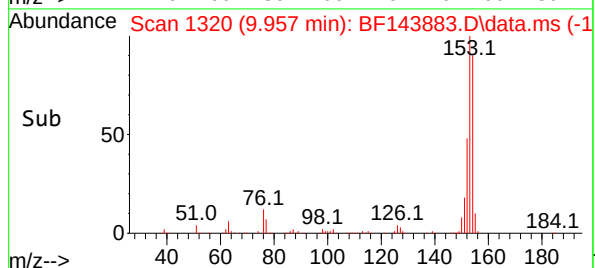
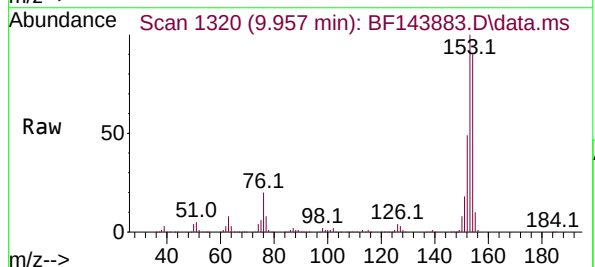
Manual Integrations
APPROVED

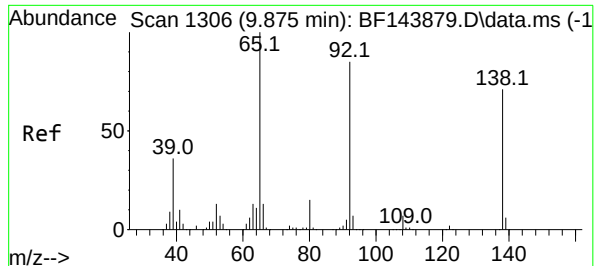
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

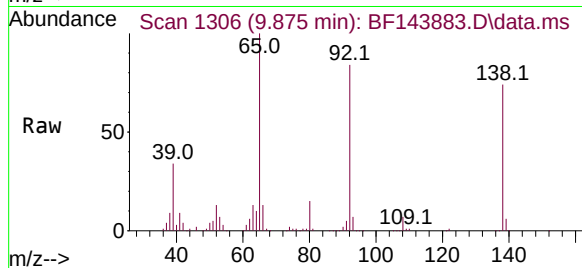
Tgt Ion:154 Resp: 452513
Ion Ratio Lower Upper
154 100
153 110.8 89.3 133.9
152 53.8 42.2 63.2





#53
3-Nitroaniline
Concen: 40.493 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

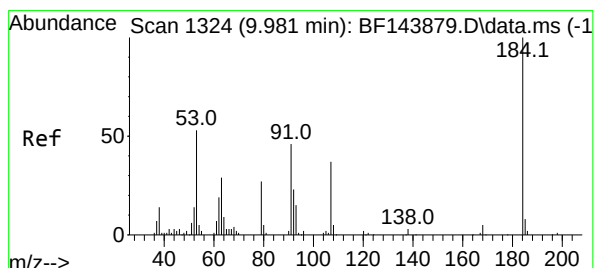
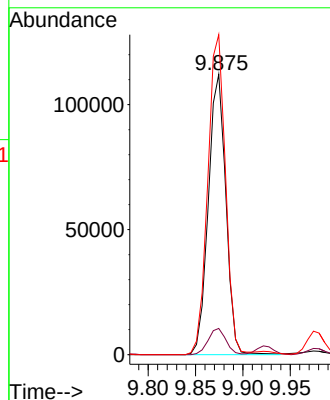
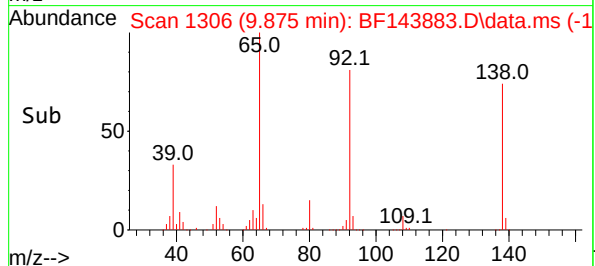
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:138 Resp: 144668
Ion Ratio Lower Upper
138 100
108 9.3 8.3 12.5
92 114.2 96.2 144.2

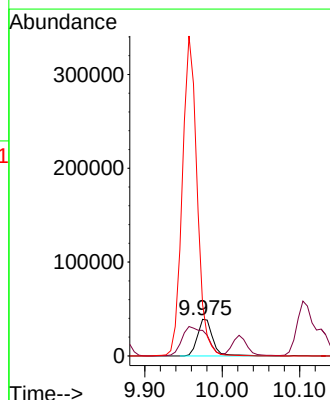
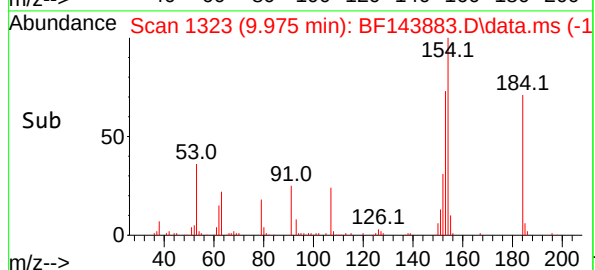
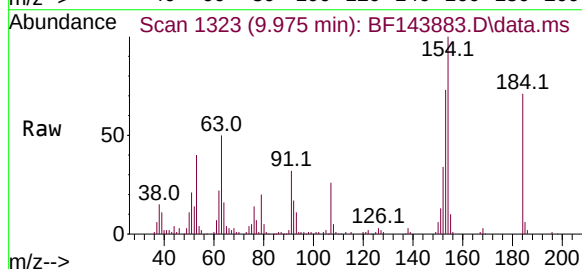
Manual Integrations
APPROVED

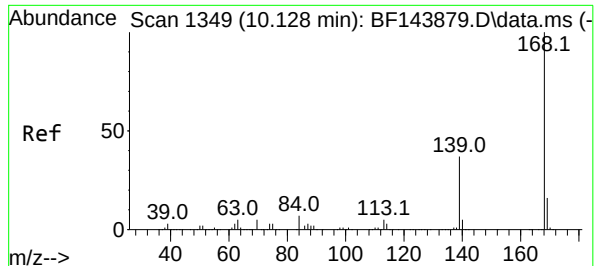
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

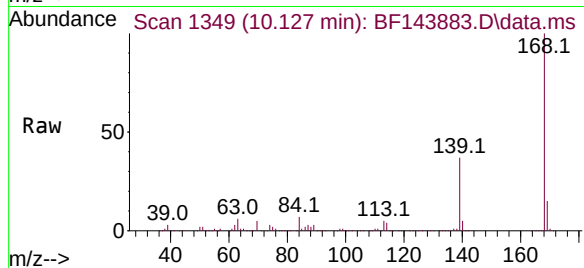
Tgt Ion:184 Resp: 52796
Ion Ratio Lower Upper
184 100
63 70.0 48.2 72.4
154 140.2 49.2 73.8#





#55
Dibenzofuran
Concen: 36.717 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

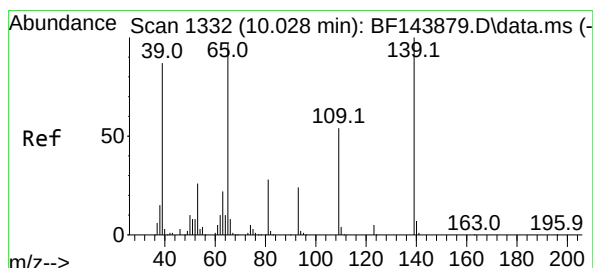
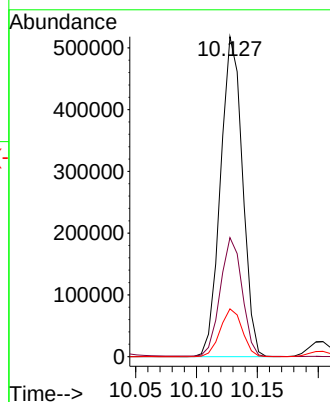
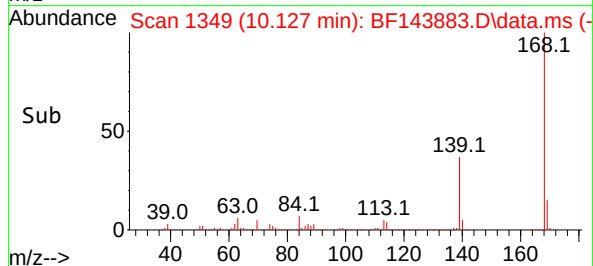
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



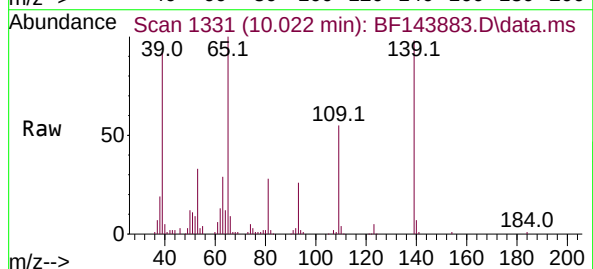
Tgt Ion:168 Resp: 653073
Ion Ratio Lower Upper
168 100
139 37.2 29.8 44.8
169 15.0 12.8 19.2

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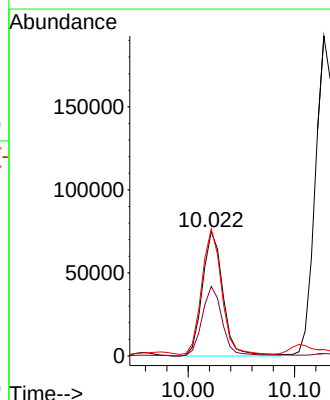
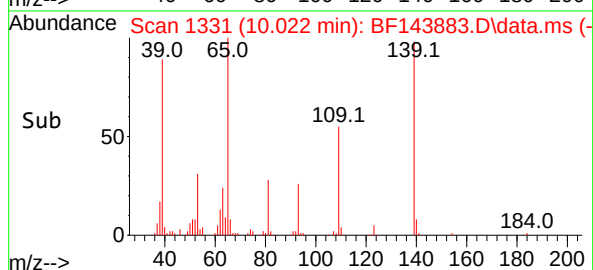
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

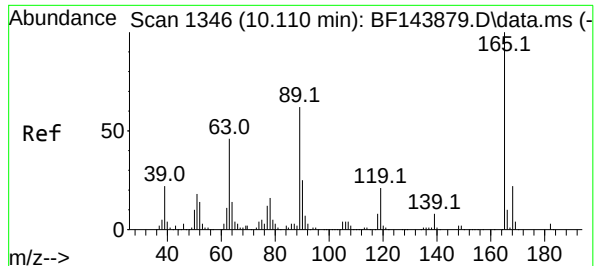


#56
4-Nitrophenol
Concen: 36.850 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



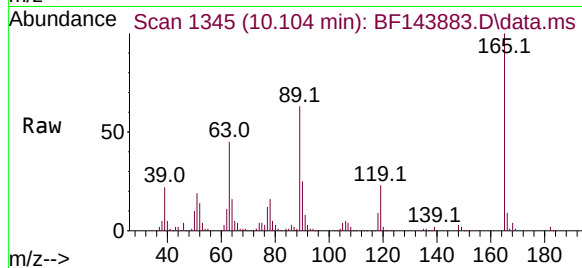
Tgt Ion:139 Resp: 99684
Ion Ratio Lower Upper
139 100
109 56.0 34.5 74.5
65 102.2 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 41.169 ng
RT: 10.104 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

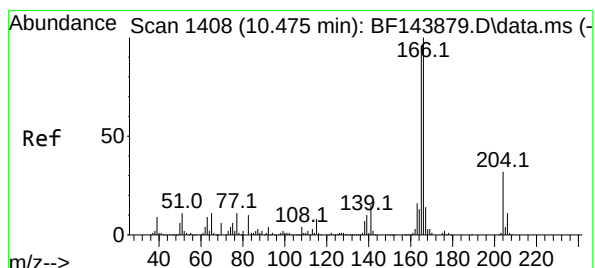
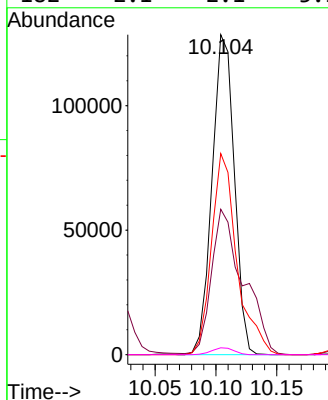
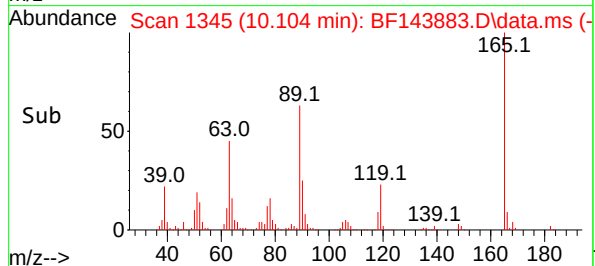
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:165 Resp: 163440
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

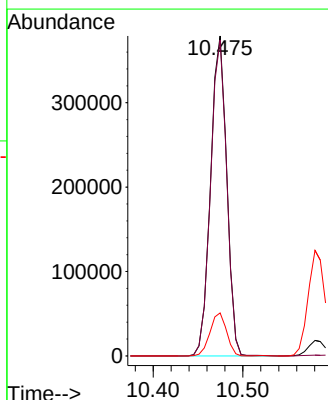
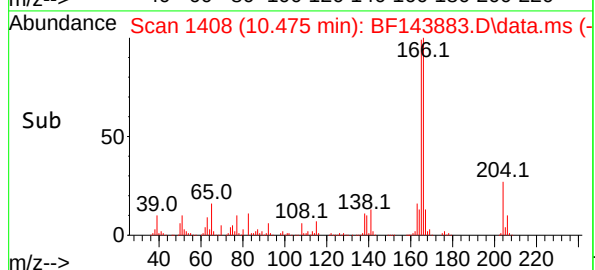
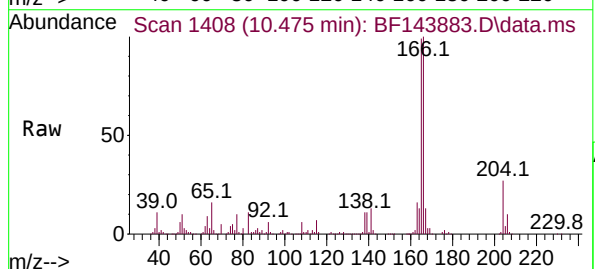
Manual Integrations
APPROVED

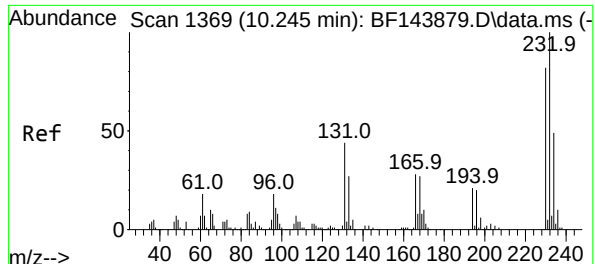
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

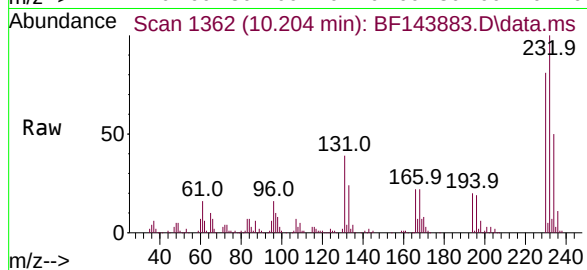
Tgt Ion:166 Resp: 476811
Ion Ratio Lower Upper
166 100
165 98.7 77.0 115.6
167 13.4 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 38.488 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.047 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

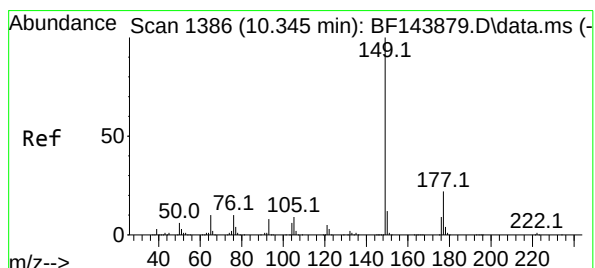
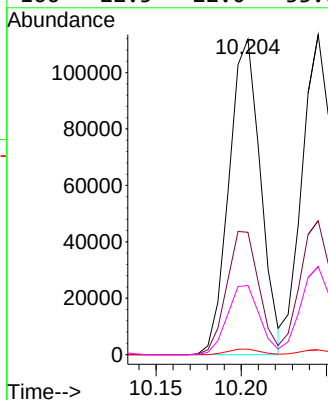
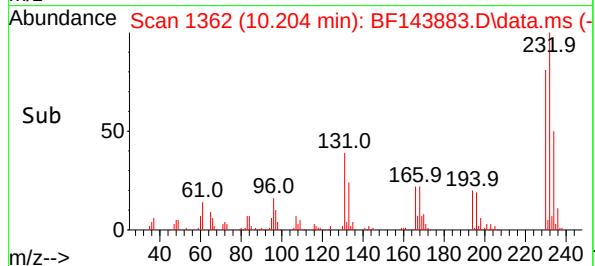
Instrument :
BNA_F
Client Sample Id :
ICVBF100625



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

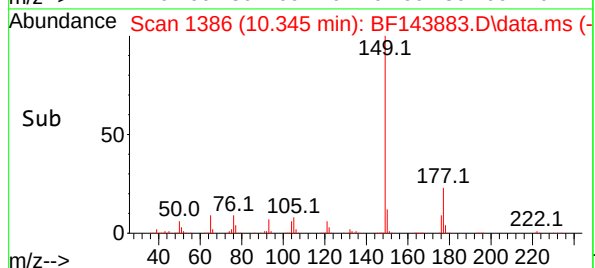
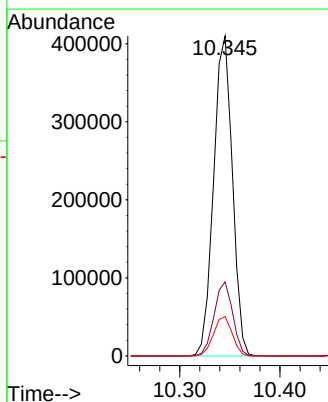
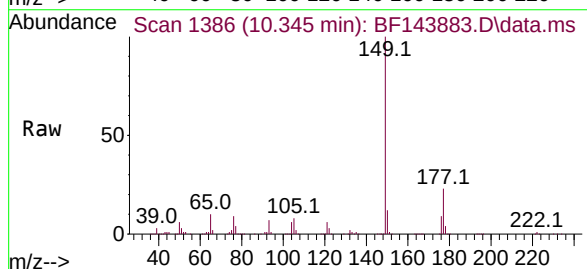
Manual Integrations
APPROVED

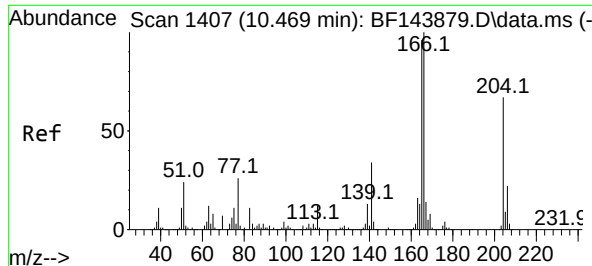
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

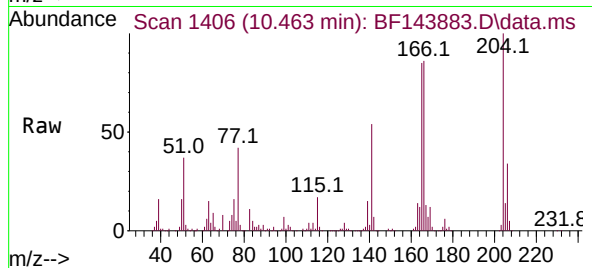
Tgt Ion:149 Resp: 533574
Ion Ratio Lower Upper
149 100
177 23.1 17.9 26.9
150 12.3 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 36.113 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

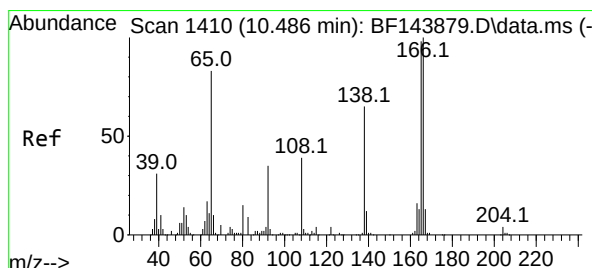
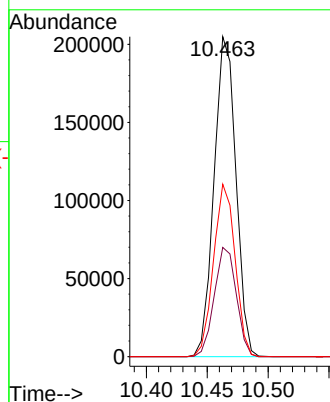
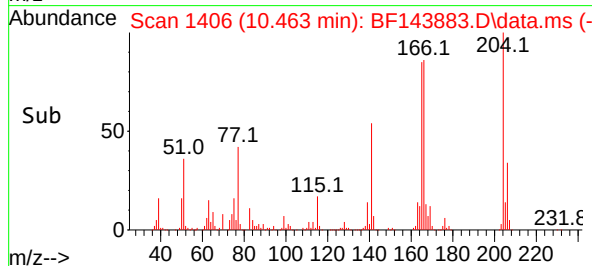
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

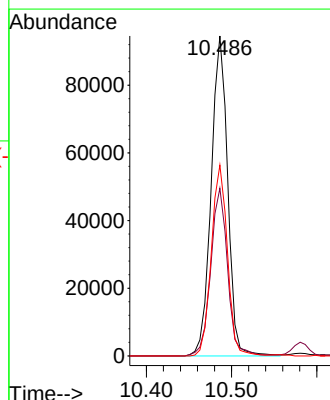
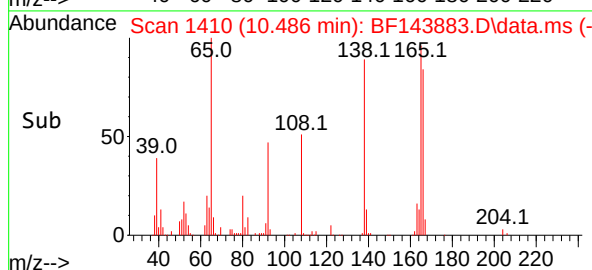
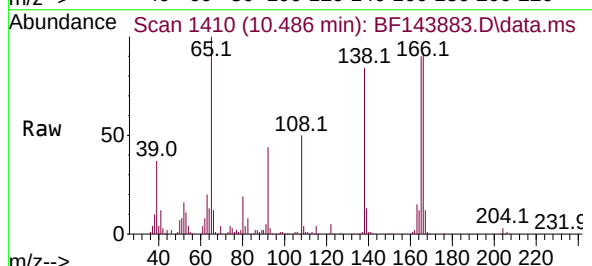
Manual Integrations
APPROVED

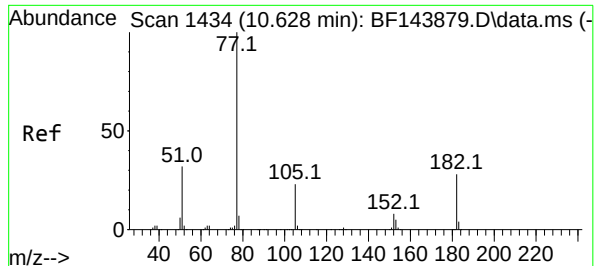
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

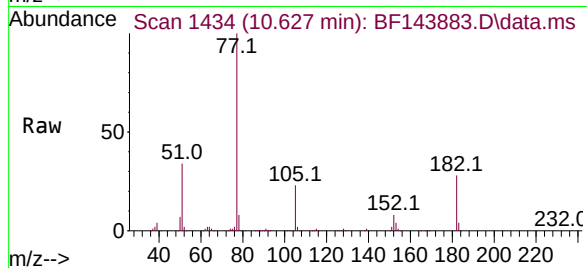
Tgt Ion:138 Resp: 127369
Ion Ratio Lower Upper
138 100
92 52.4 33.9 73.9
108 59.6 40.2 80.2





#63
Azobenzene
Concen: 36.837 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

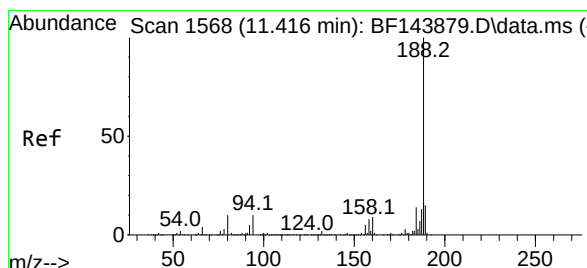
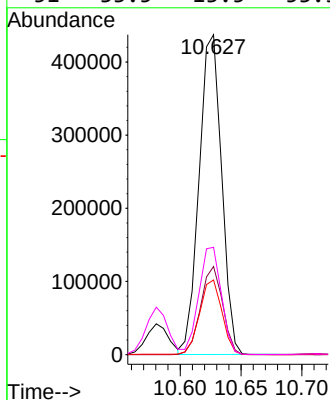
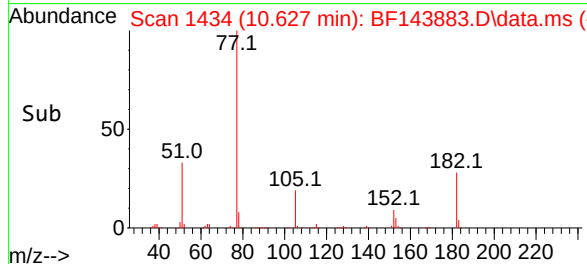
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



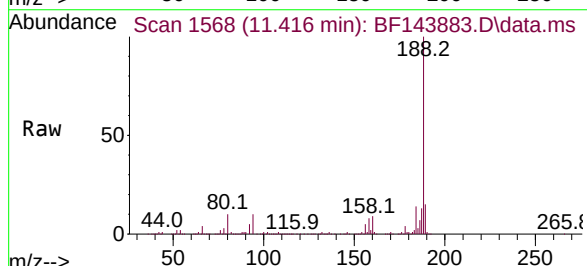
Tgt Ion: 77 Resp: 56278
Ion Ratio Lower Upper
77 100
182 27.5 7.3 47.3
105 23.3 3.0 43.0
51 33.5 13.5 53.5

Manual Integrations
APPROVED

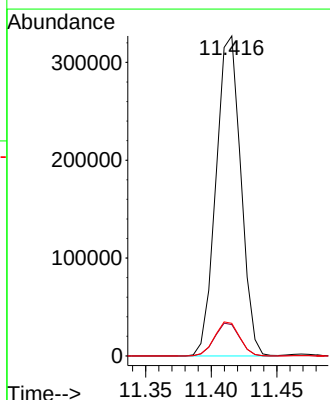
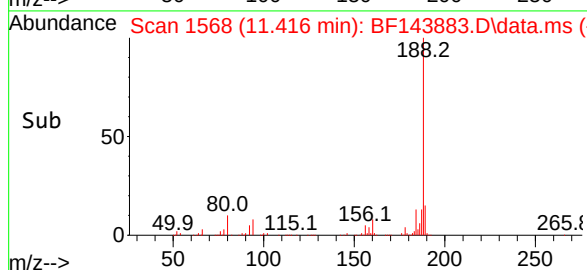
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

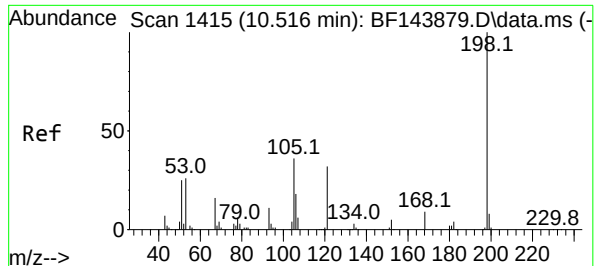


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



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





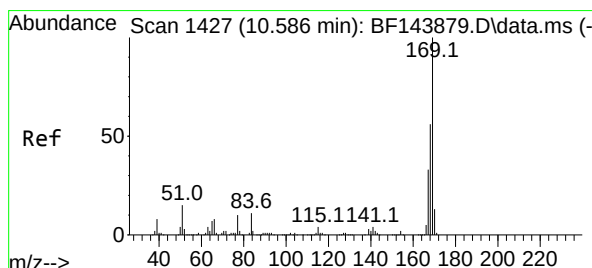
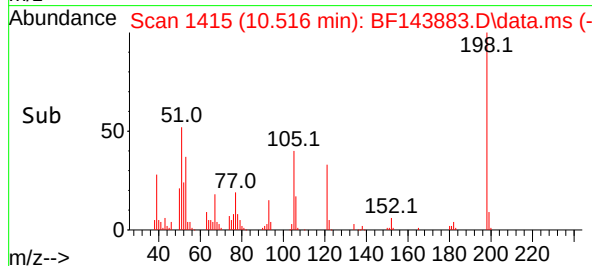
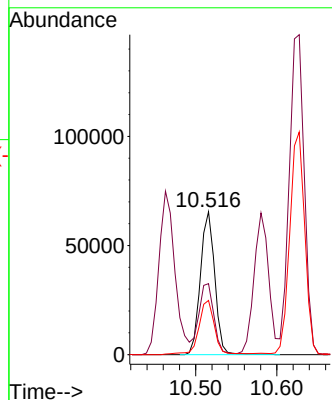
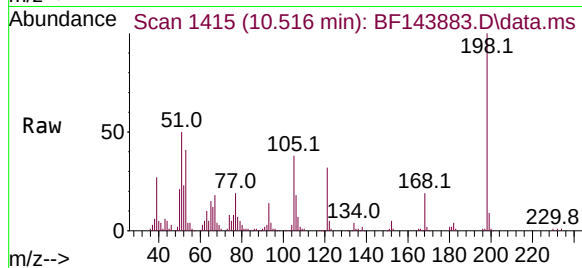
#65
4,6-Dinitro-2-methylphenol
Concen: 37.083 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Tgt Ion:198 Resp: 80422
Ion Ratio Lower Upper
198 100
51 49.7 33.8 73.8
105 37.9 17.0 57.0

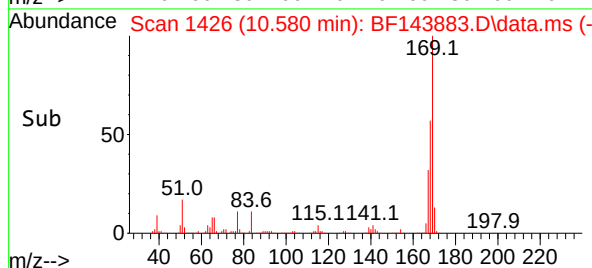
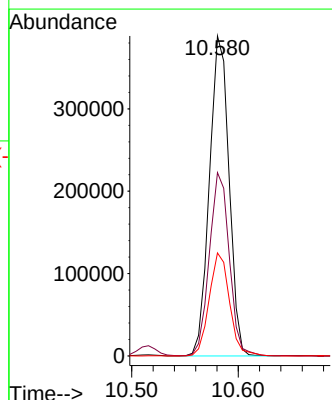
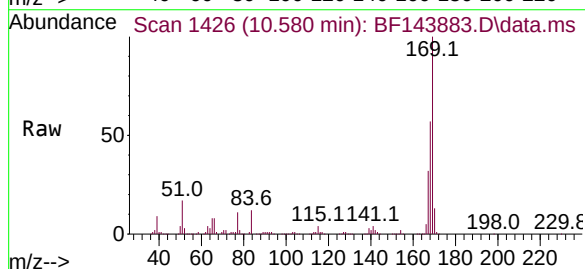
Manual Integrations
APPROVED

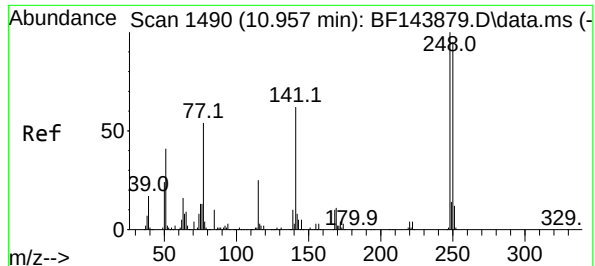
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

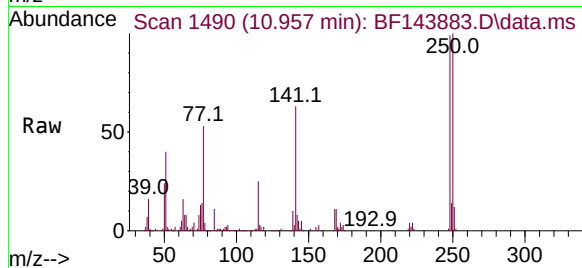
Tgt Ion:169 Resp: 496618
Ion Ratio Lower Upper
169 100
168 57.3 44.9 67.3
167 32.2 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 33.973 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

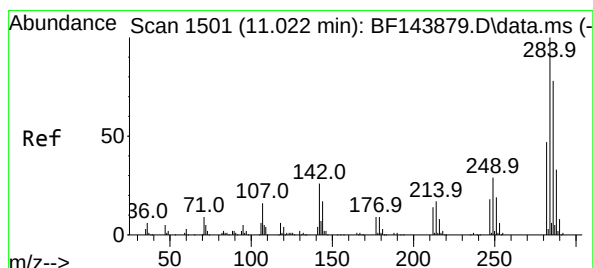
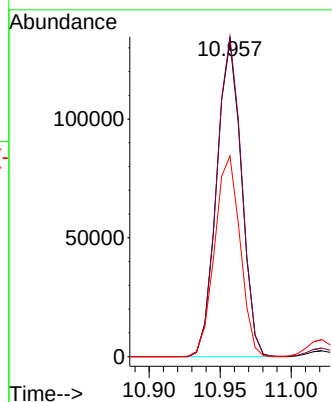
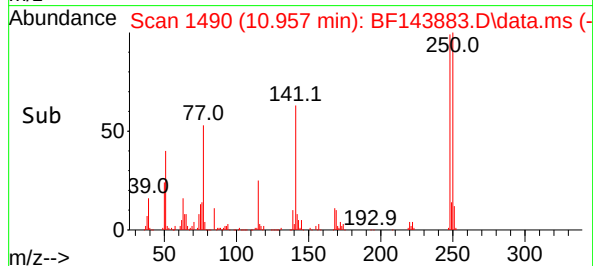
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:248 Resp: 162033
Ion Ratio Lower Upper
248 100
250 101.4 76.3 114.5
141 63.6 49.7 74.5

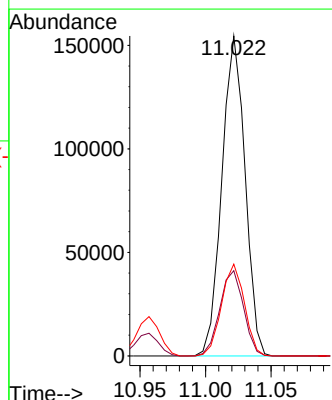
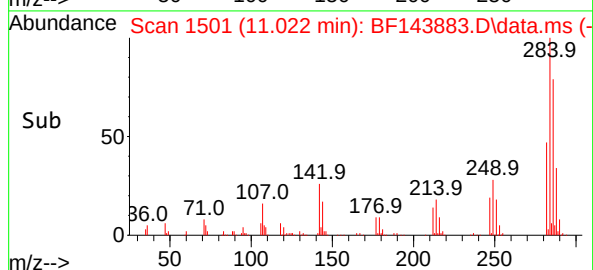
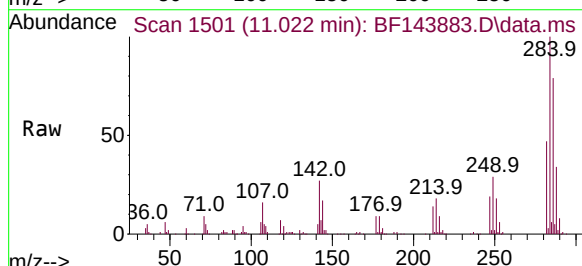
Manual Integrations
APPROVED

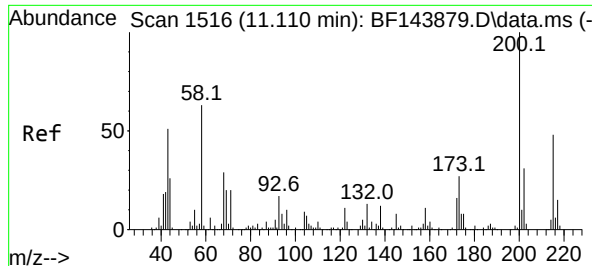
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 1516

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

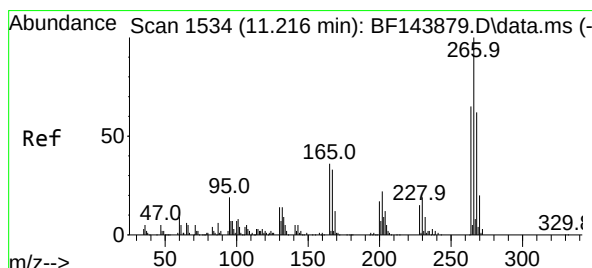
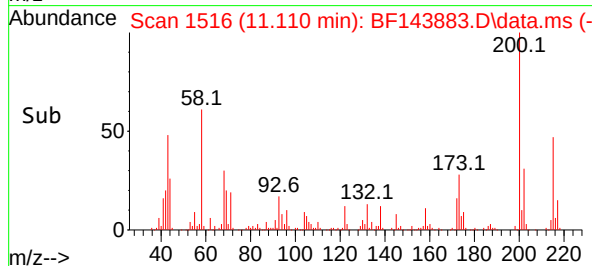
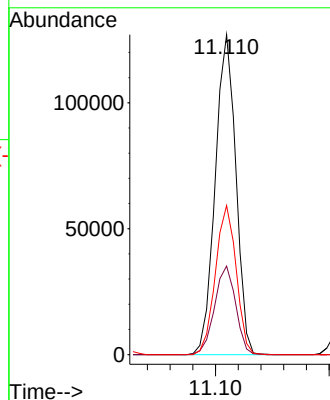
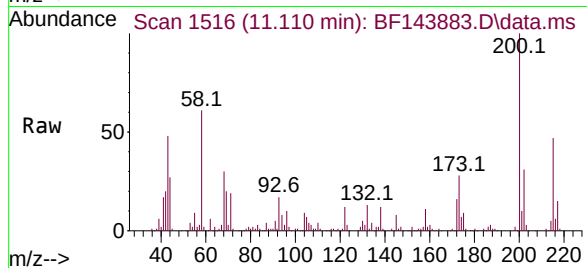
Tgt Ion:	200	Resp:	16024
Ion Ratio	Lower	Upper	
200	100		
173	27.7	7.0	47.0
215	46.6	27.8	67.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#70

Pentachlorophenol

Concen: 33.097 ng

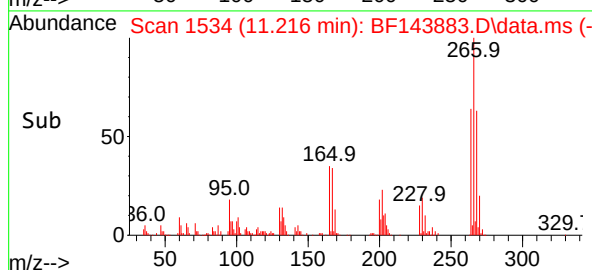
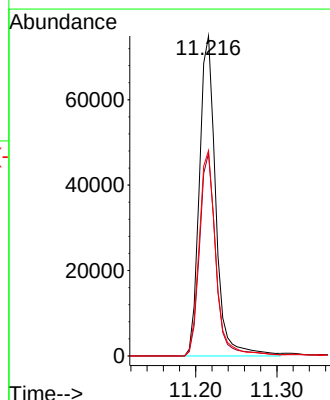
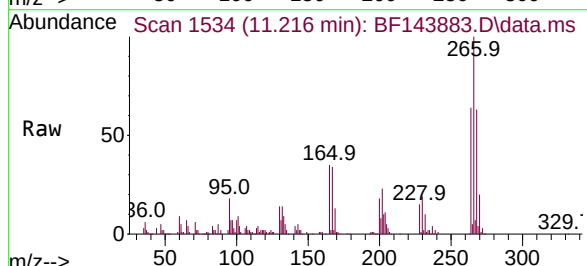
RT: 11.216 min Scan# 1534

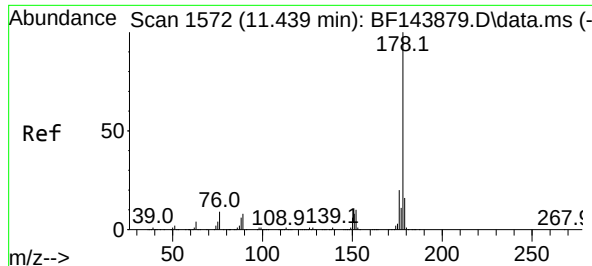
Delta R.T. -0.006 min

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





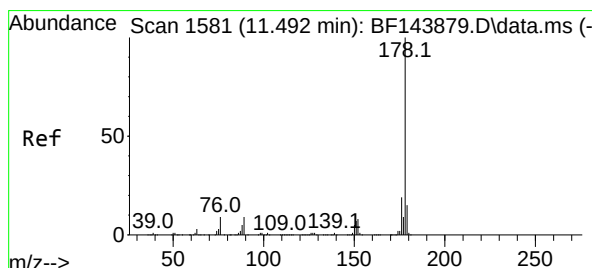
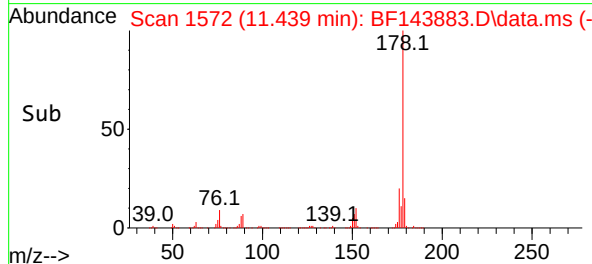
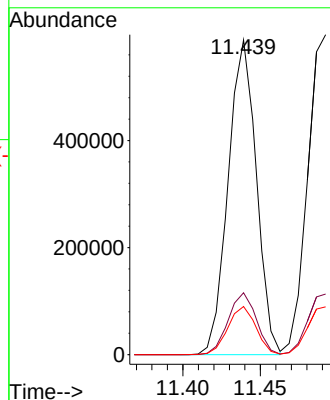
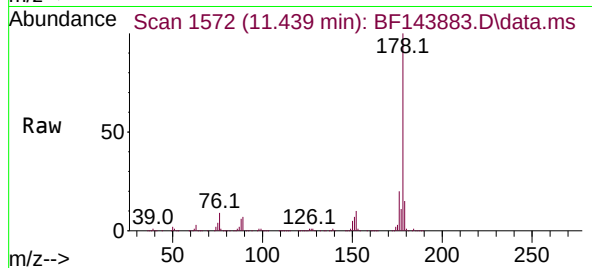
#71
Phenanthrene
Concen: 35.542 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Tgt Ion:178 Resp: 743609
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.3 12.4 18.6

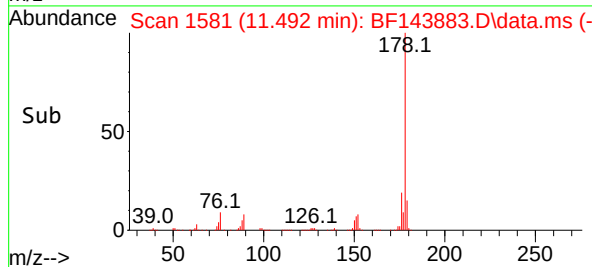
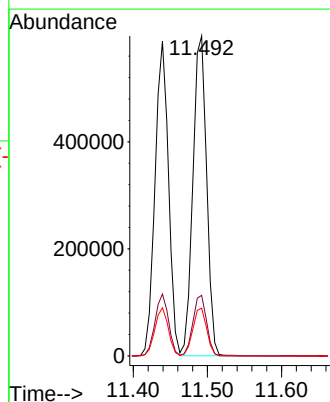
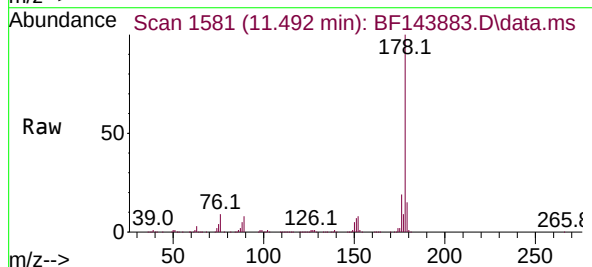
Manual Integrations
APPROVED

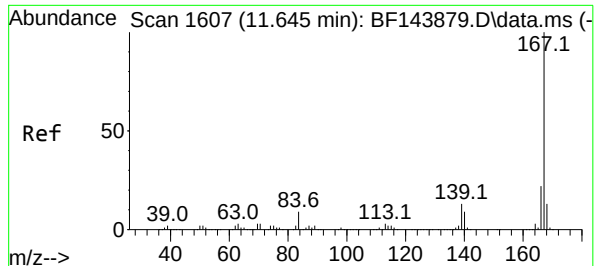
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

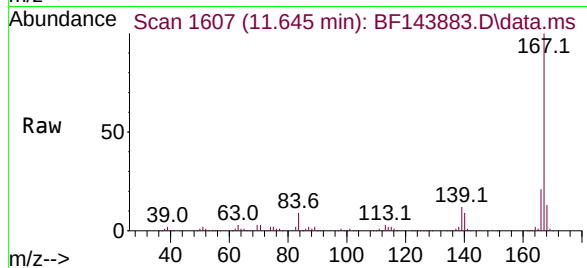
Tgt Ion:178 Resp: 766674
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 14.9 12.2 18.2





#73
Carbazole
Concen: 36.246 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

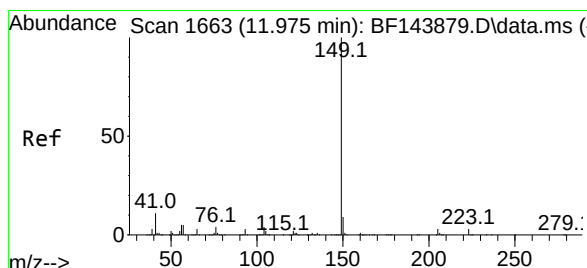
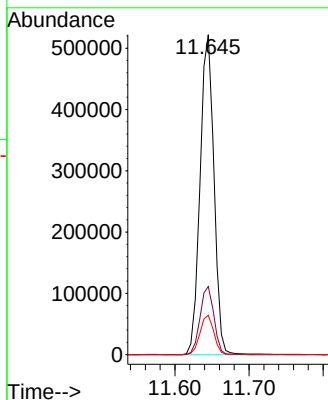
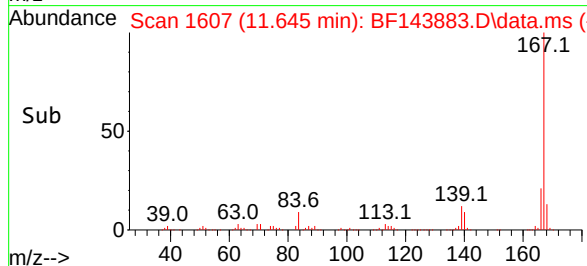
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



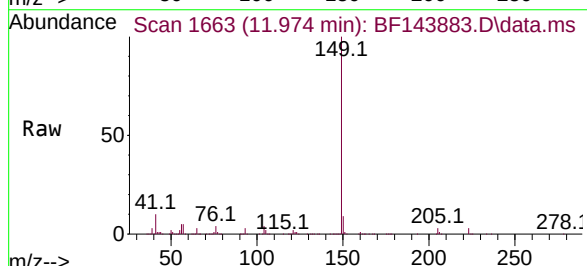
Tgt Ion:167 Resp: 678522
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 12.3 10.1 15.1

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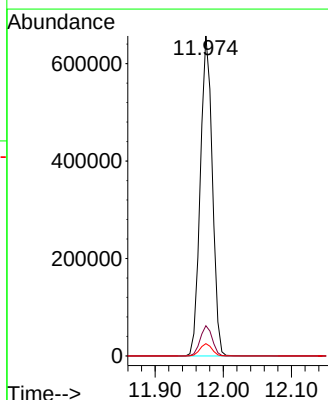
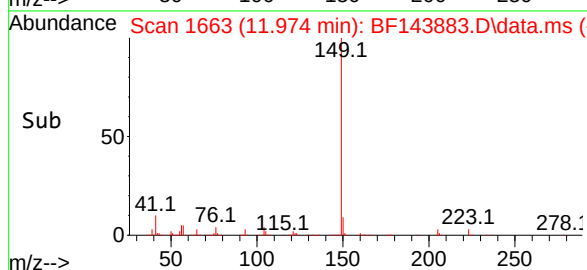
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

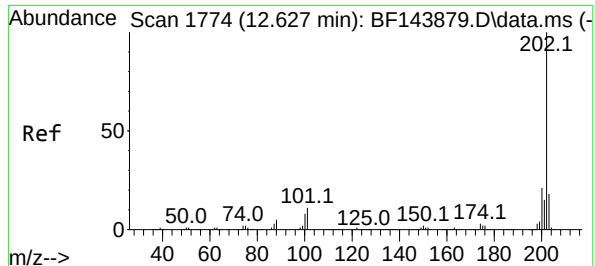


#74
Di-n-butylphthalate
Concen: 37.171 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08



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# 1774

Delta R.T. -0.006 min

Lab File: BF143883.D

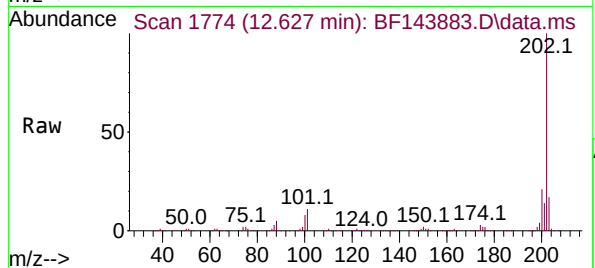
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625



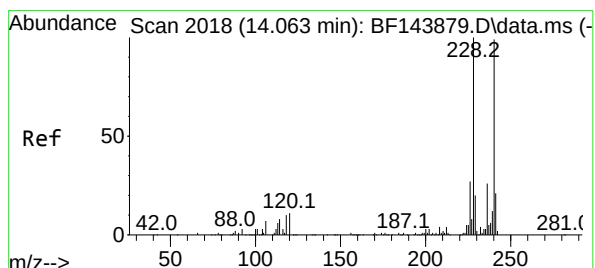
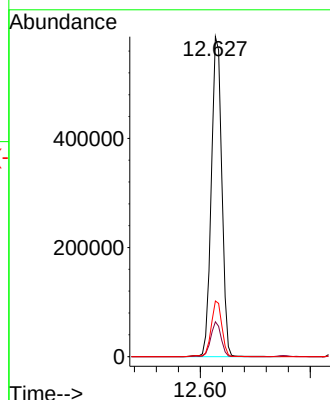
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.7
203	17.4	0.0	37.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#76

Chrysene-d12

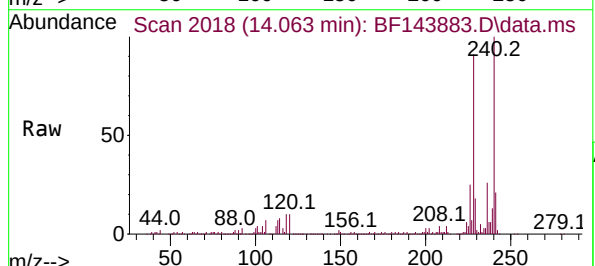
Concen: 20.000 ng

RT: 14.063 min Scan# 1818

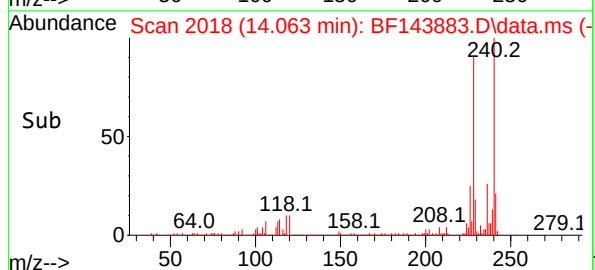
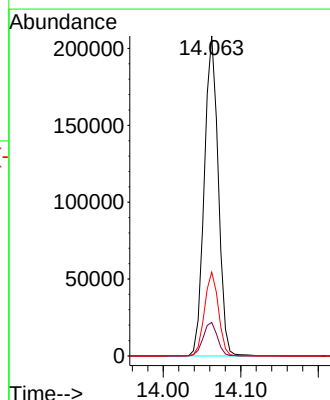
Delta R.T. -0.005 min

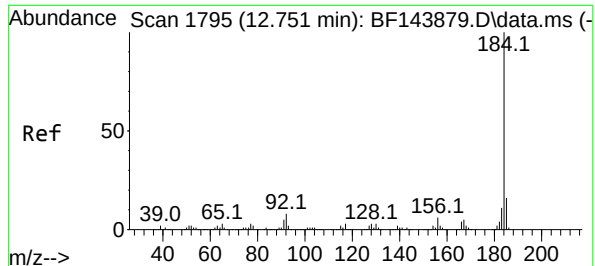
Lab File: BF143883.D

Acq: 06 Oct 2025 16:08



Tgt 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# 1795

Delta R.T. -0.006 min

Lab File: BF143883.D

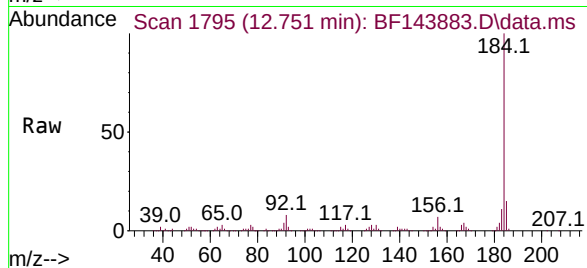
Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625



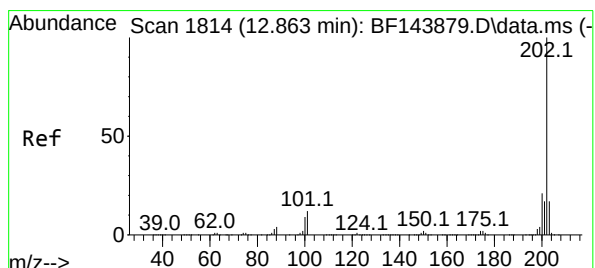
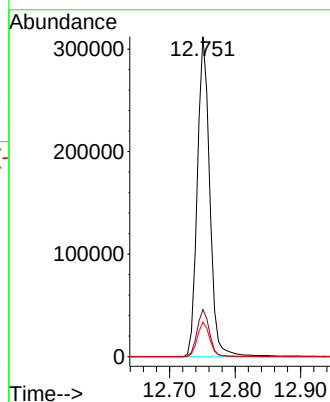
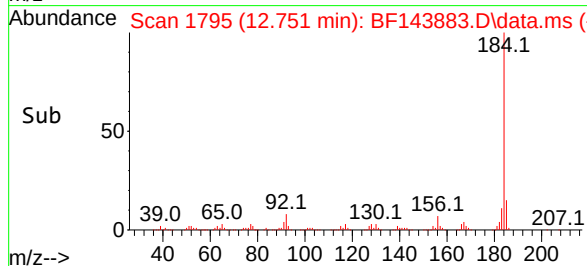
Tgt Ion:	184	Resp:	409653
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.6	18.8
183	10.8	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#78

Pyrene

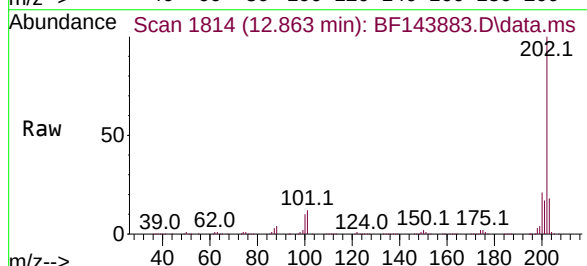
Concen: 36.431 ng

RT: 12.863 min Scan# 1814

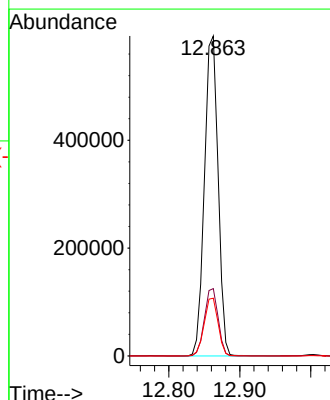
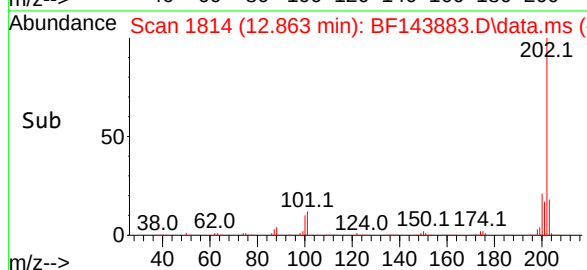
Delta R.T. 0.000 min

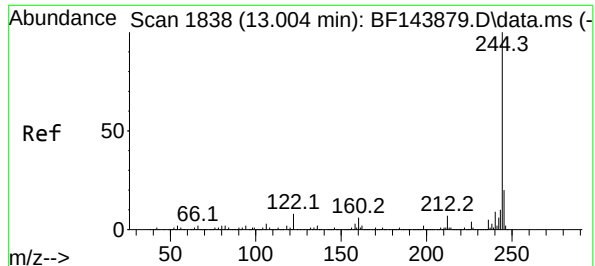
Lab File: BF143883.D

Acq: 06 Oct 2025 16:08



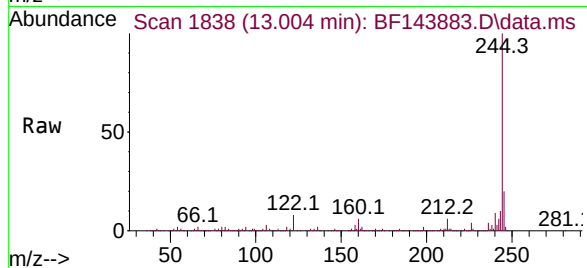
Tgt Ion:	202	Resp:	789075
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.0	25.6
203	18.0	13.8	20.6





#79
Terphenyl-d14
Concen: 74.443 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

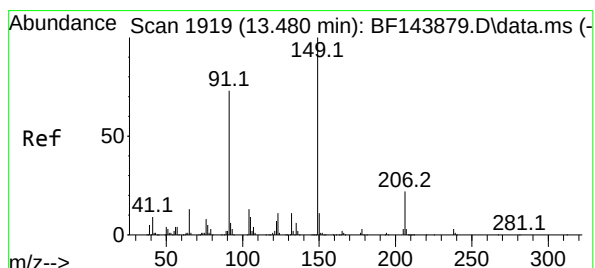
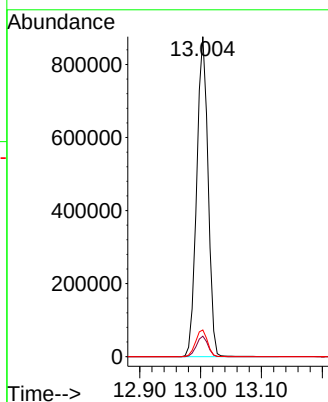
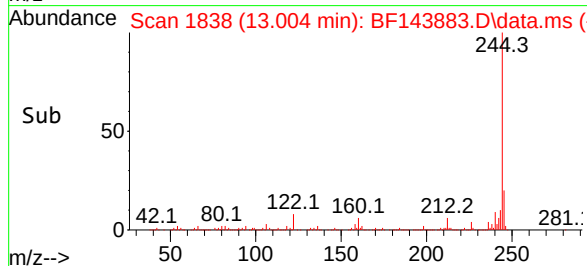
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:244 Resp: 1131636
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 8.3 6.4 9.6

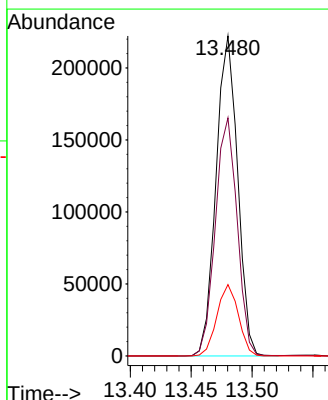
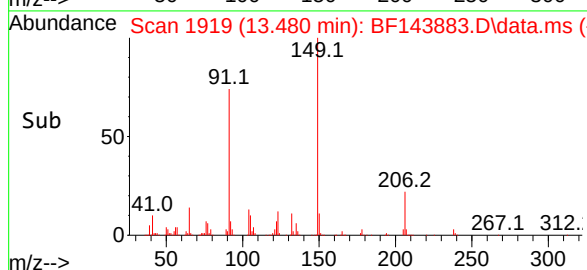
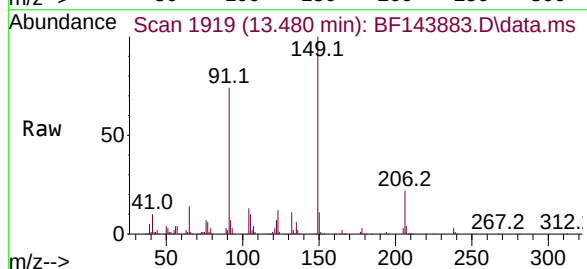
Manual Integrations
APPROVED

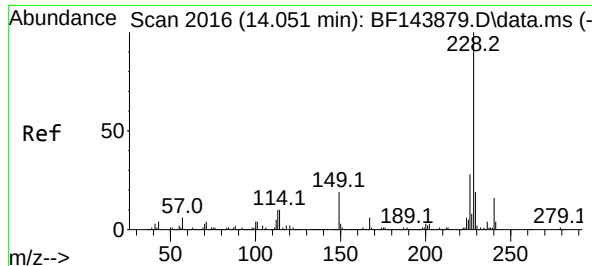
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 2016

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

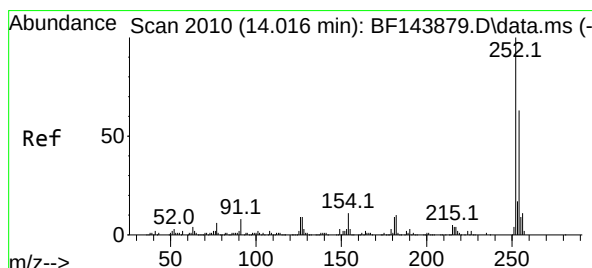
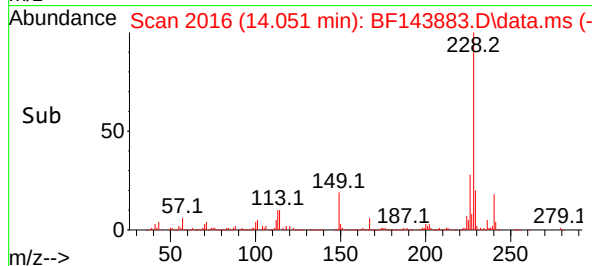
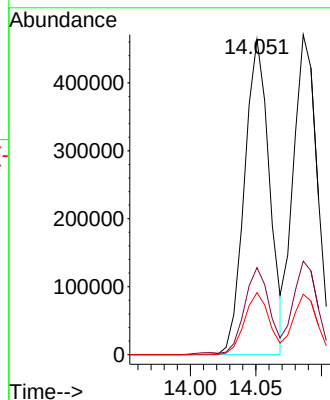
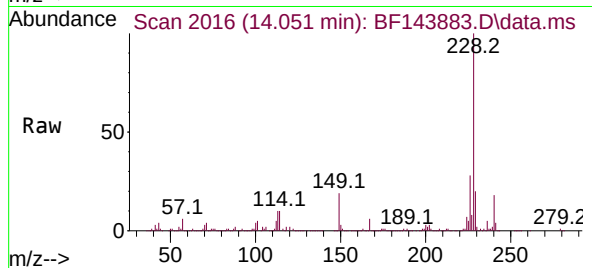
Tgt Ion:228	Resp: 614473
Ion Ratio	Lower Upper
228	100
226	27.6 22.2 33.2
229	19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#82

3,3'-Dichlorobenzidine

Concen: 42.747 ng

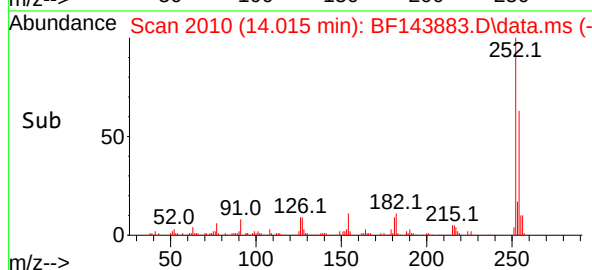
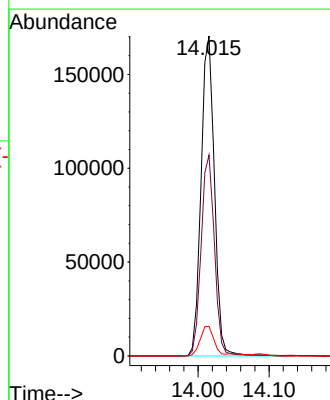
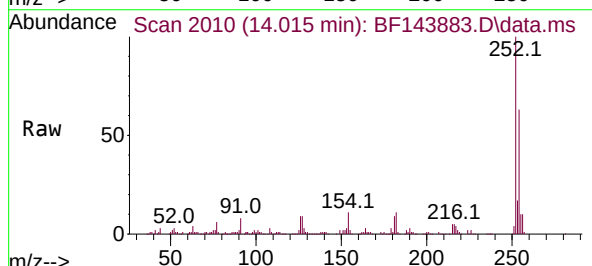
RT: 14.015 min Scan# 2010

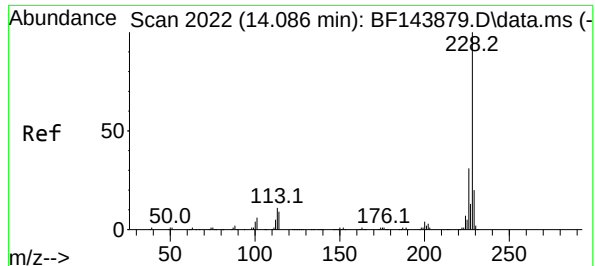
Delta R.T. 0.000 min

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# 20

Delta R.T. -0.006 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:228 Resp: 594668

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

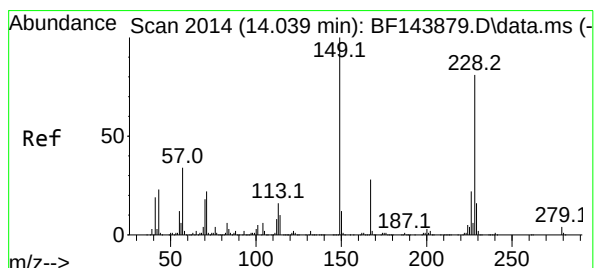
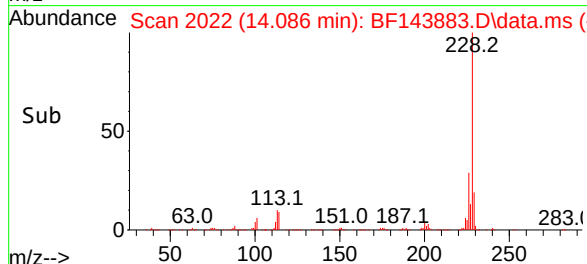
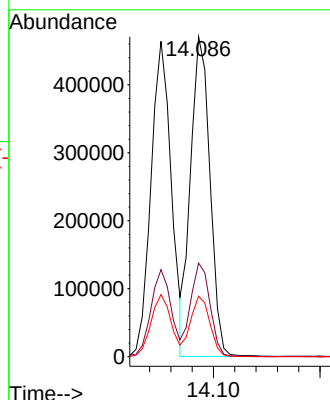
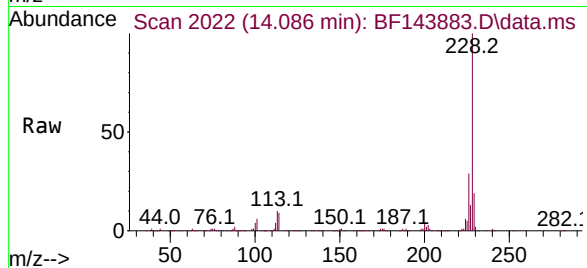
229 18.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/07/2025

Supervised By :Jagrut Upadhyay 10/07/2025



#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

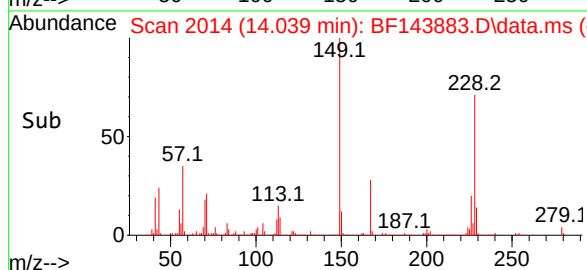
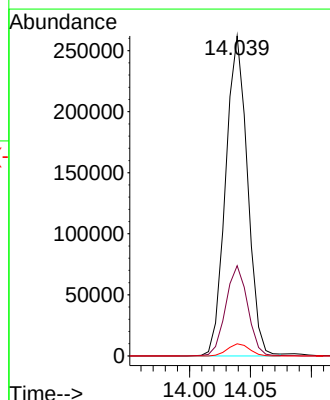
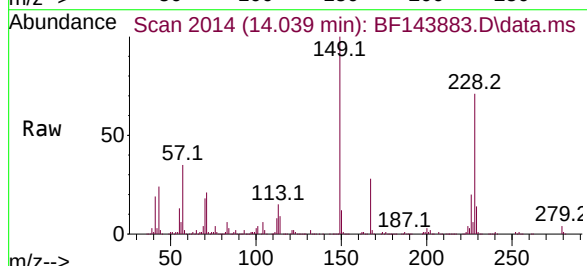
Tgt Ion:149 Resp: 326966

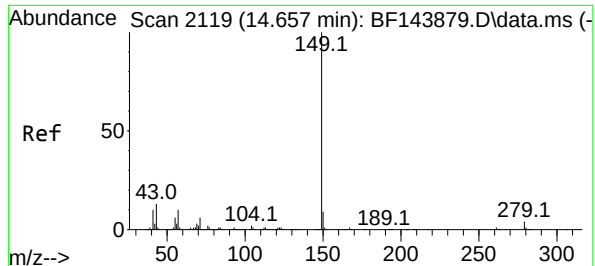
Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.4

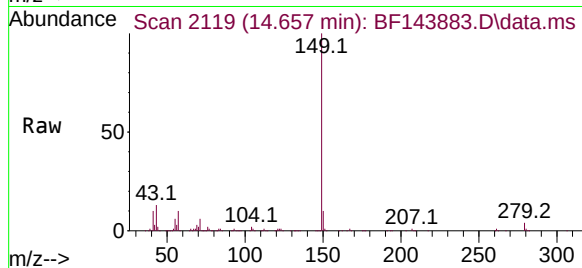
279 3.8 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 36.116 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

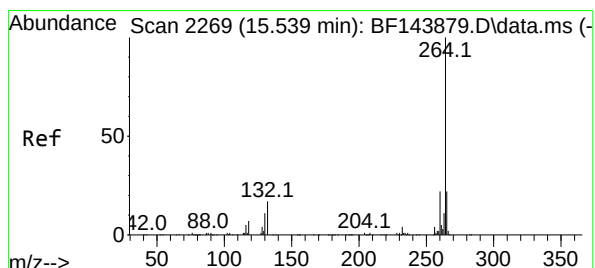
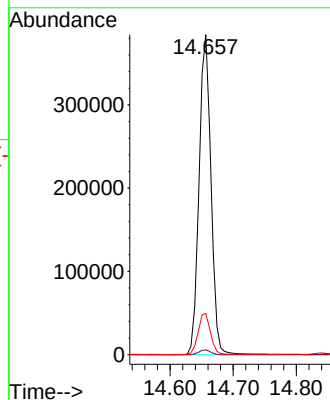
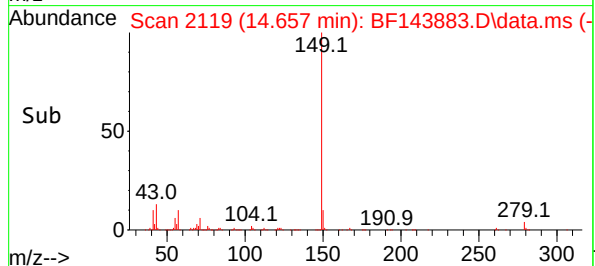
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



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

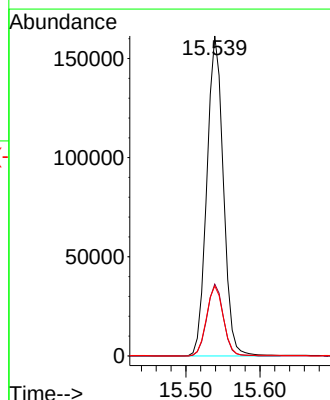
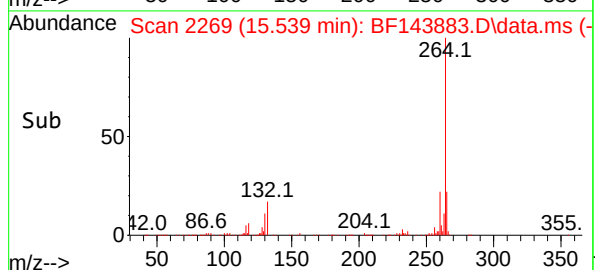
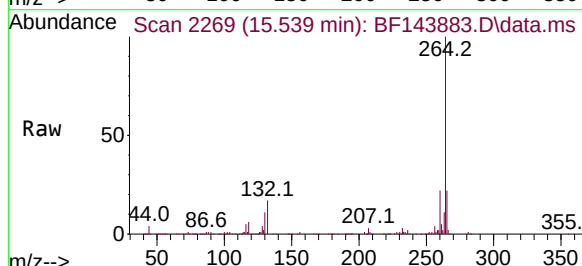
Manual Integrations
APPROVED

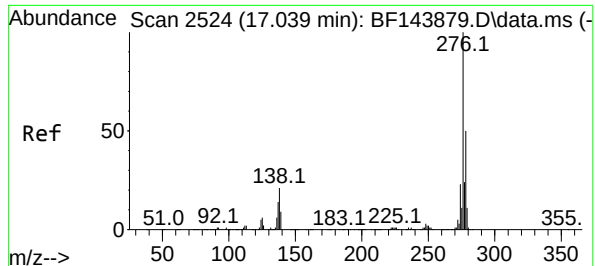
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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# 21

Delta R.T. -0.023 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:276 Resp: 563492

Ion Ratio Lower Upper

276 100

138 23.7 18.2 27.2

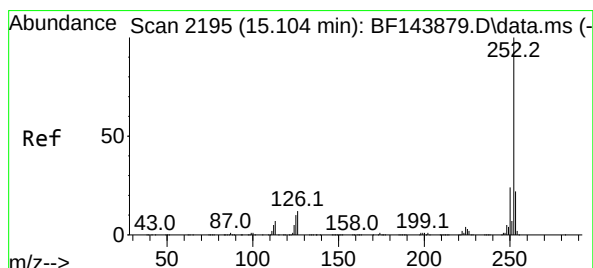
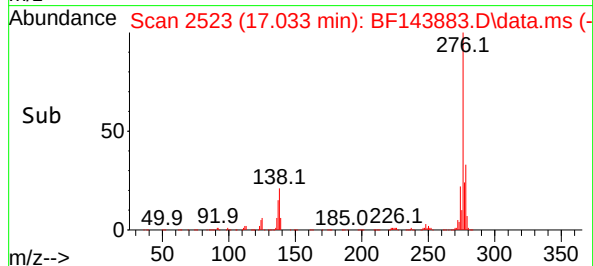
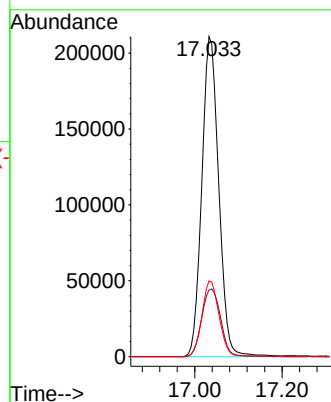
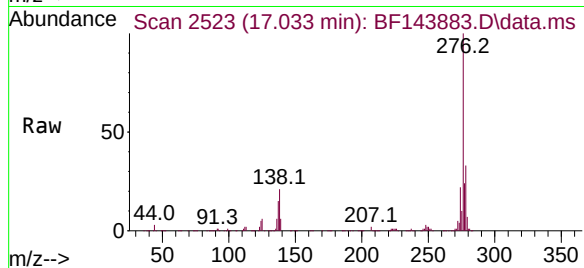
277 23.8 19.8 29.6

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

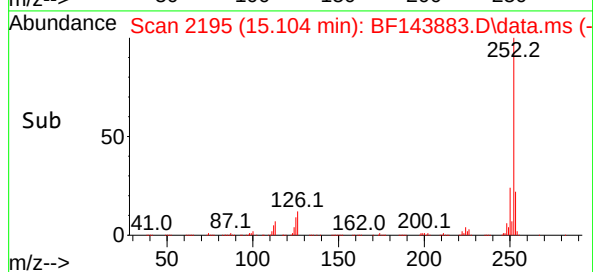
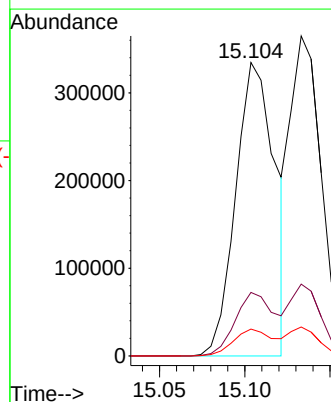
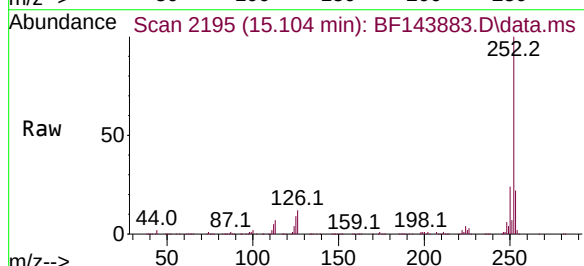
Tgt Ion:252 Resp: 537814

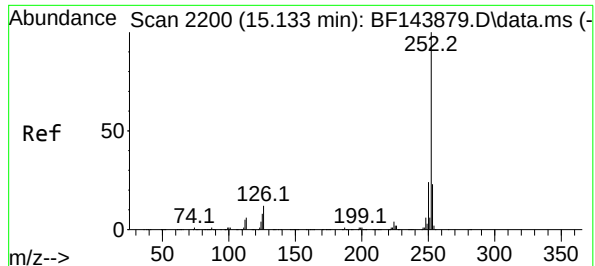
Ion Ratio Lower Upper

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# 2200

Delta R.T. -0.012 min

Lab File: BF143883.D

Acq: 06 Oct 2025 16:08

Instrument :

BNA_F

ClientSampleId :

ICVBF100625

Tgt Ion:252 Resp: 467396

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

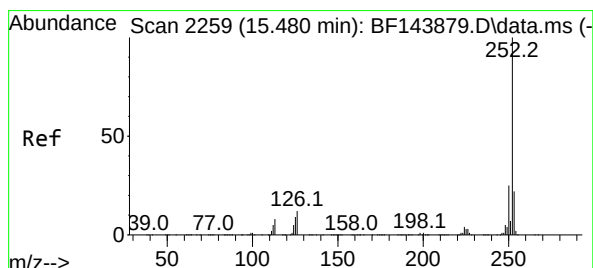
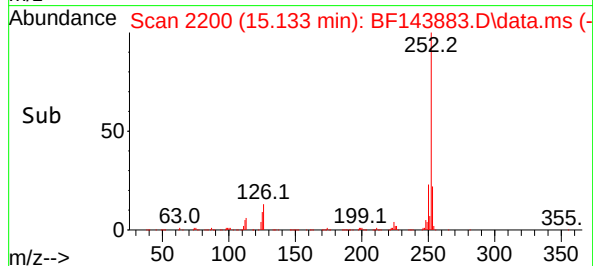
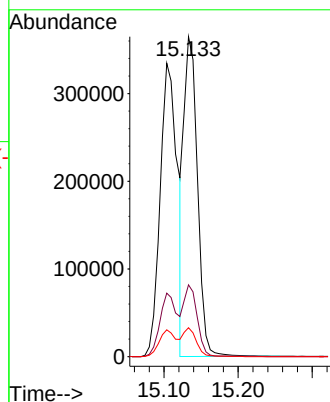
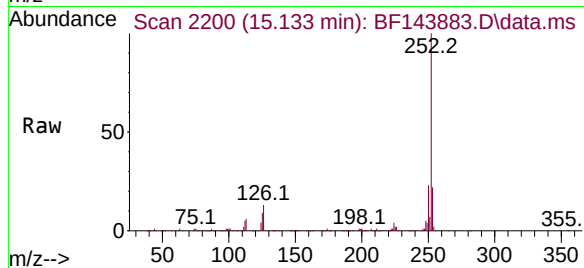
125 9.0 7.4 11.2

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

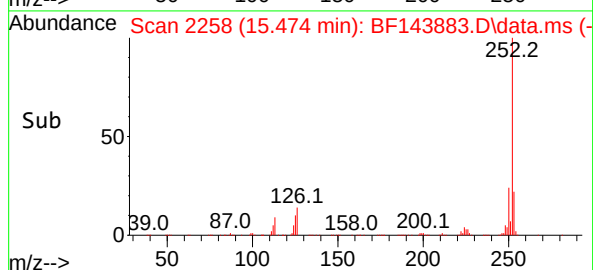
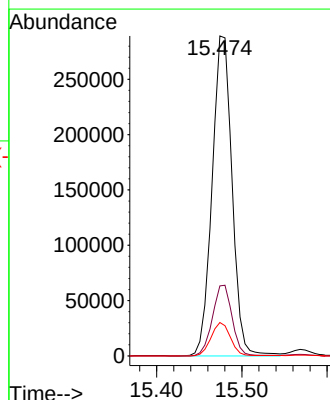
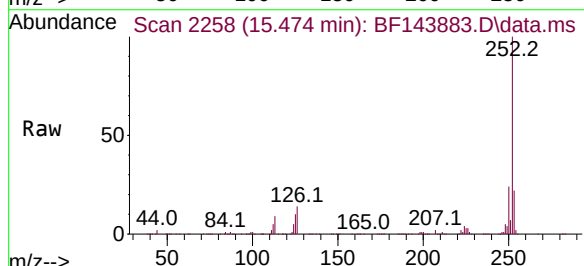
Tgt Ion:252 Resp: 470896

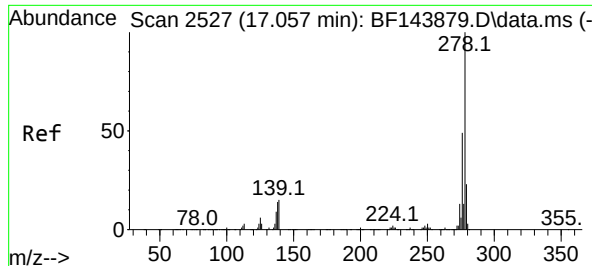
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

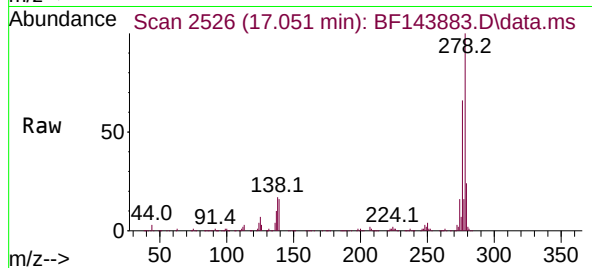
125 10.4 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 36.995 ng
RT: 17.051 min Scan# 2527
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

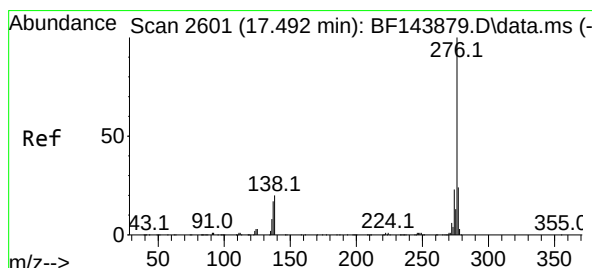
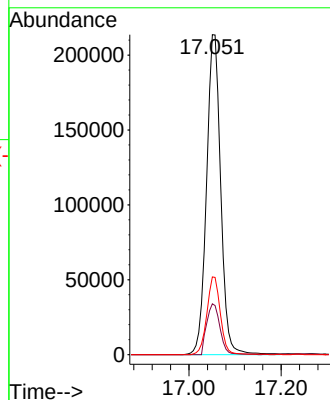
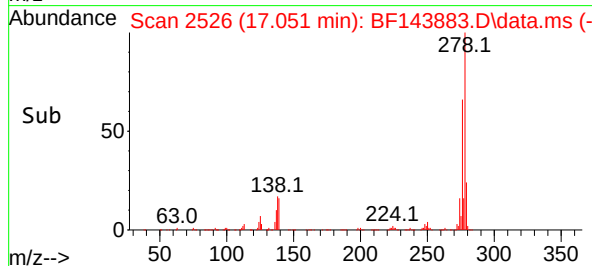
Instrument :
BNA_F
ClientSampleId :
ICVBF100625



Tgt Ion:278 Resp: 454776
Ion Ratio Lower Upper
278 100
139 15.9 11.7 17.5
279 24.3 18.4 27.6

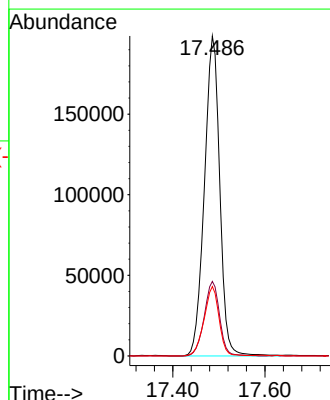
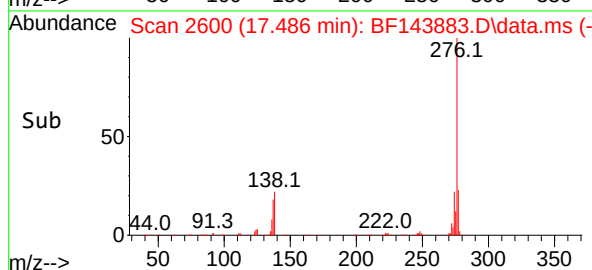
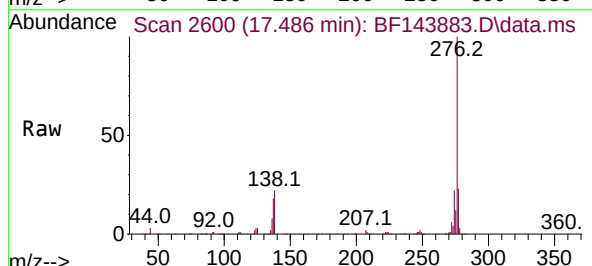
Manual Integrations
APPROVED

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
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
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Quant Time: Oct 06 16:37:11 2025
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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	Benzydine	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

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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/10/2025 12:32</u>
Lab File ID:	<u>BF143920.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (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	



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.

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

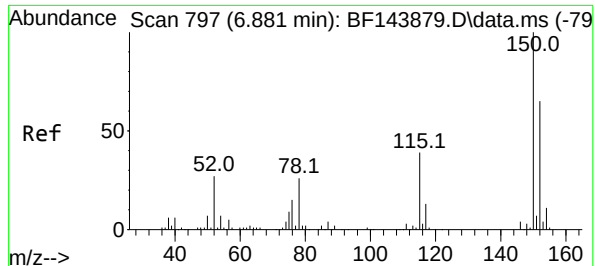
Quant Time: Oct 10 14:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

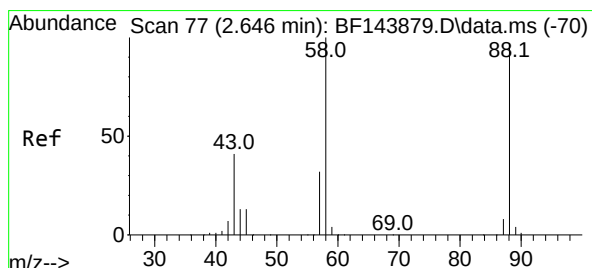
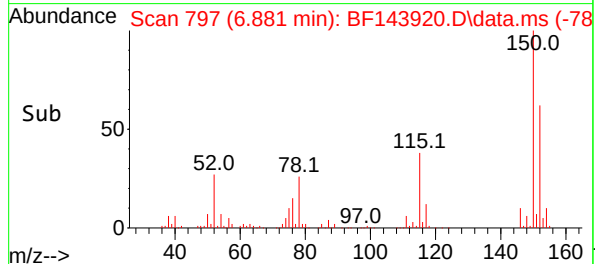
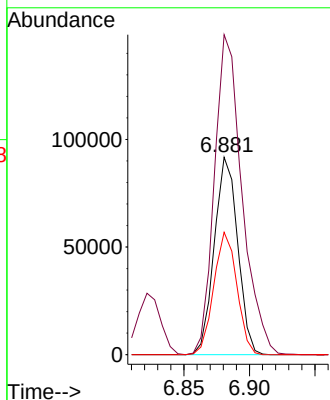
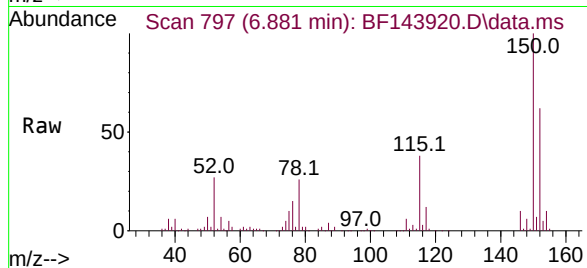
- 1
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

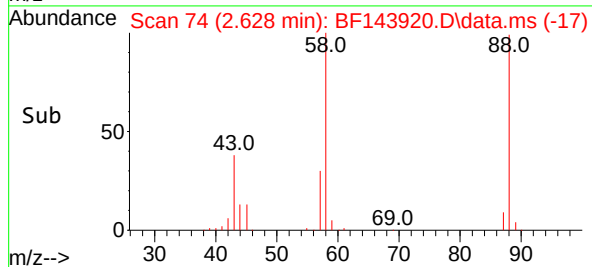
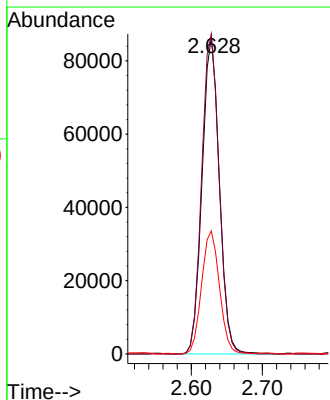
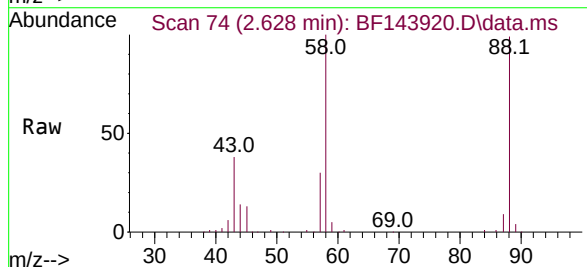
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

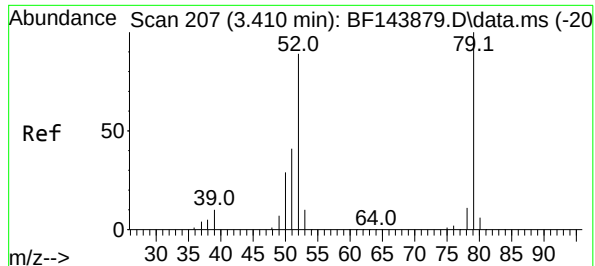
Tgt Ion:152 Resp: 114205
Ion Ratio Lower Upper
152 100
150 162.2 124.4 186.6
115 62.0 48.1 72.1



#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

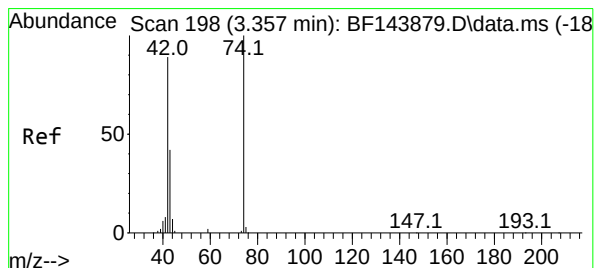
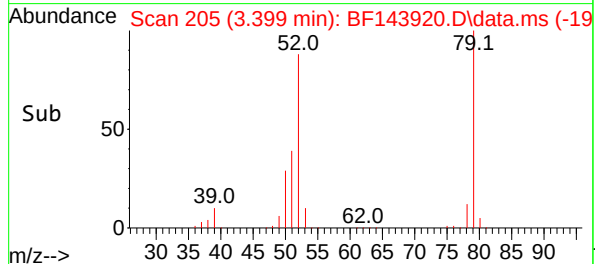
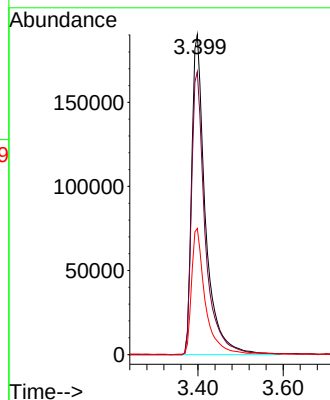
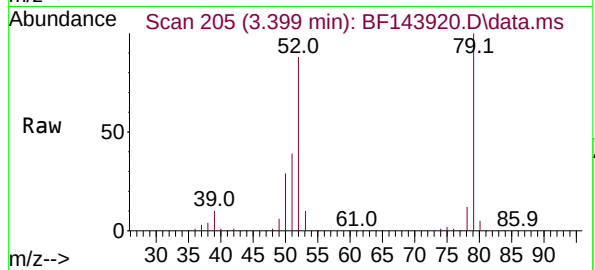




#3
Pyridine
Concen: 43.920 ng
RT: 3.399 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

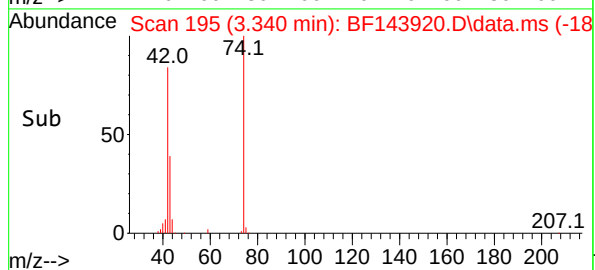
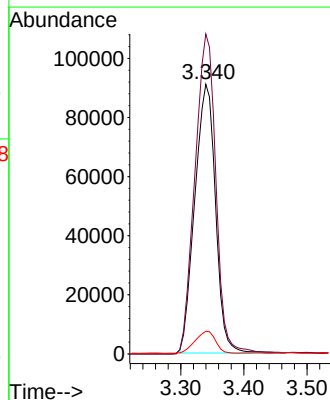
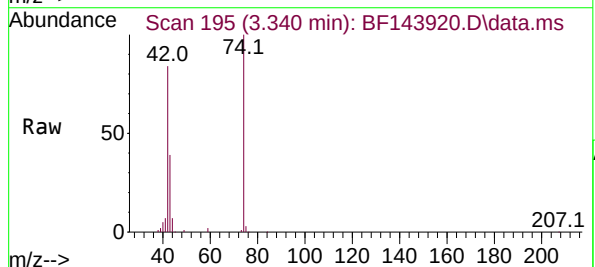
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

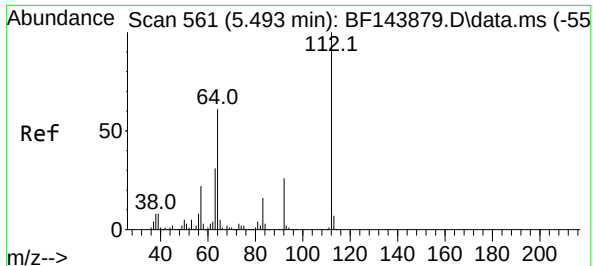
Tgt Ion: 79 Resp: 425512
Ion Ratio Lower Upper
79 100
52 88.4 71.5 107.3
51 39.4 32.9 49.3



#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

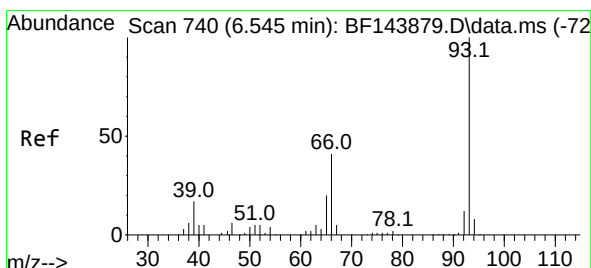
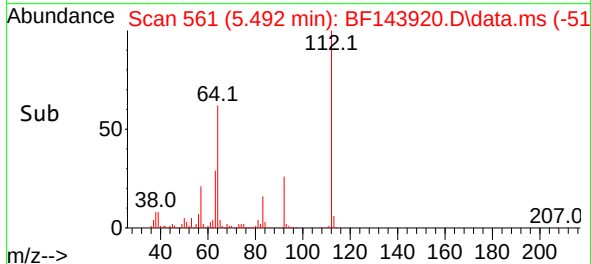
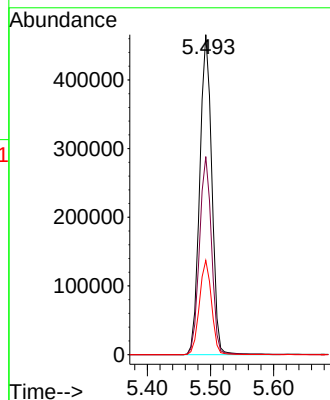
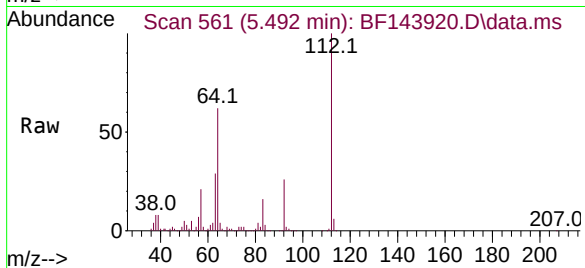




#5
2-Fluorophenol
Concen: 85.974 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

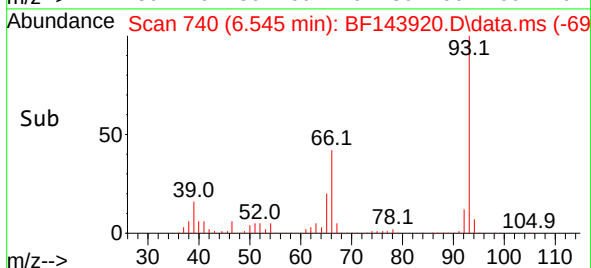
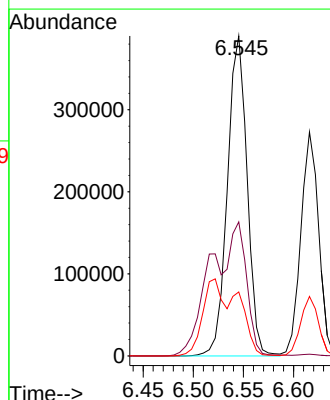
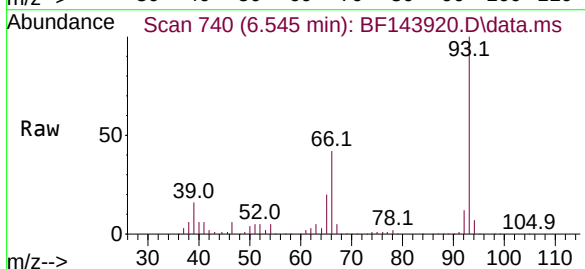
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

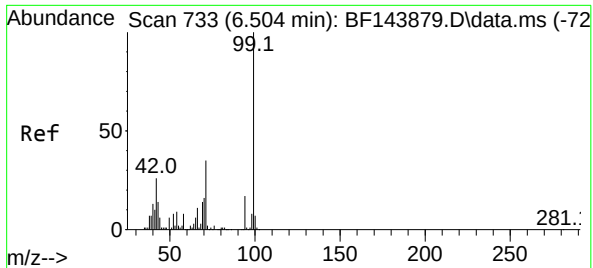
Tgt Ion:112 Resp: 618308
Ion Ratio Lower Upper
112 100
64 61.9 49.1 73.7
63 29.4 24.5 36.7



#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

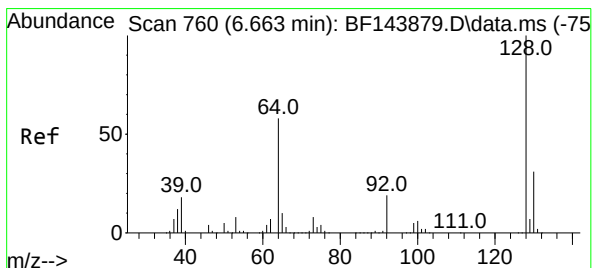
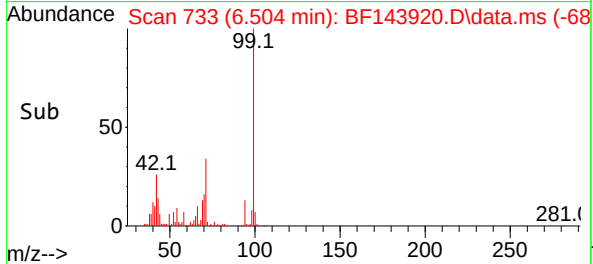
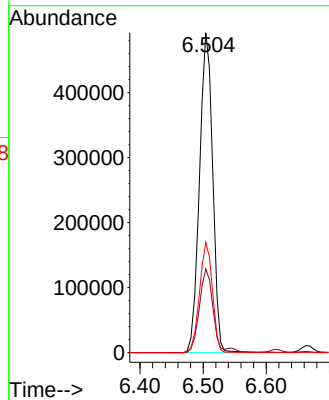
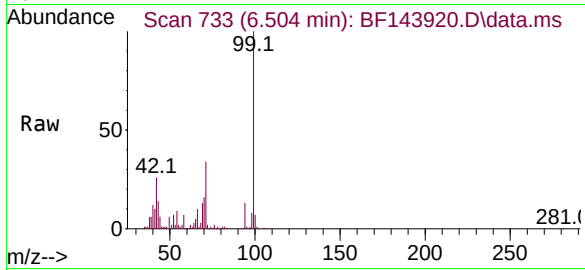




#7
Phenol-d6
Concen: 83.369 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

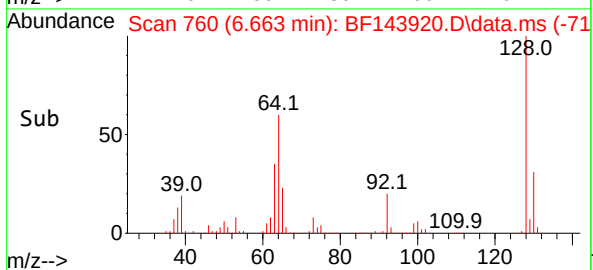
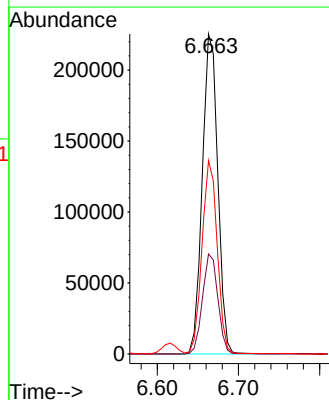
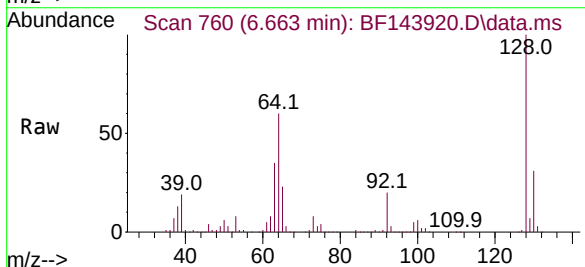
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

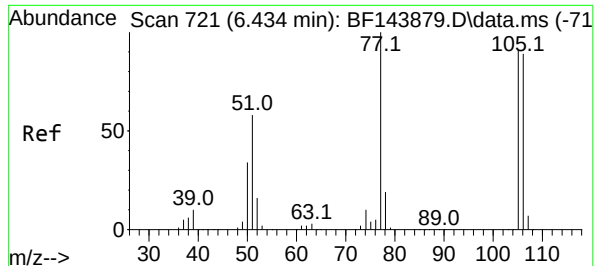
Tgt Ion:	99	Resp:	714662
Ion Ratio	Lower	Upper	
99	100		
42	26.1	21.0	31.4
71	34.4	27.8	41.8



#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# 721

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

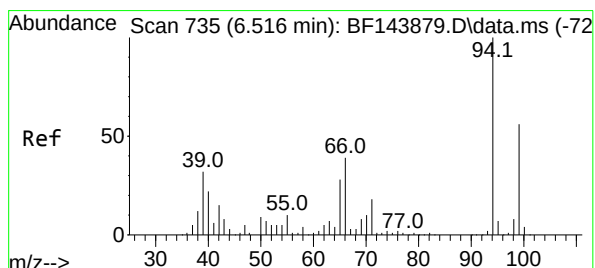
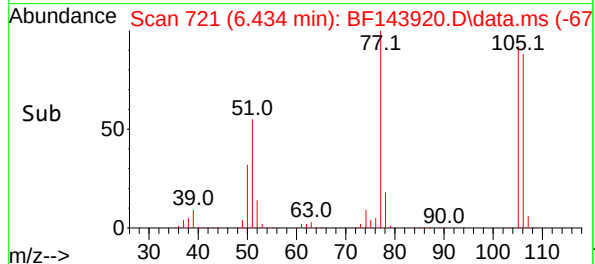
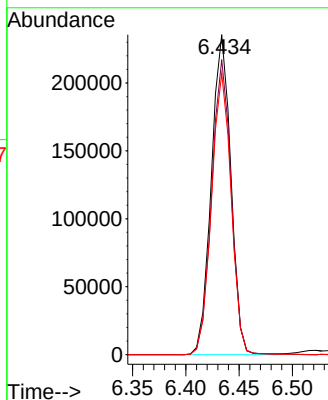
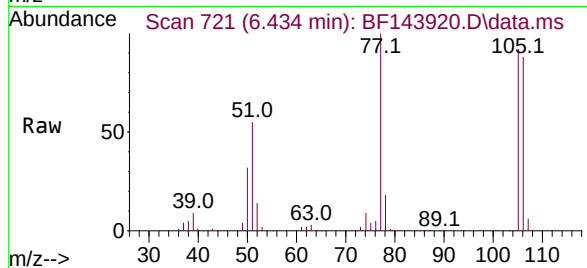
Tgt Ion: 77 Resp: 300513

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

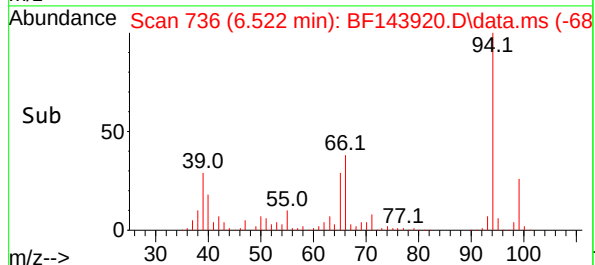
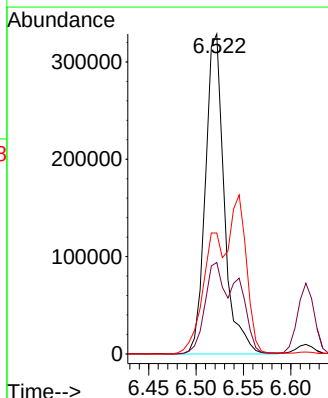
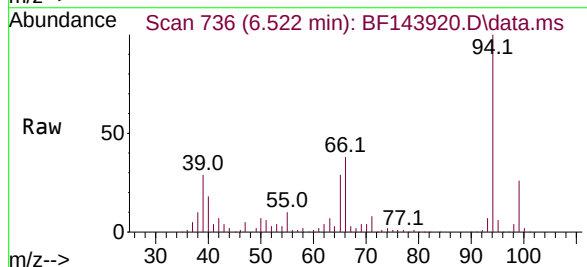
Tgt Ion: 94 Resp: 455875

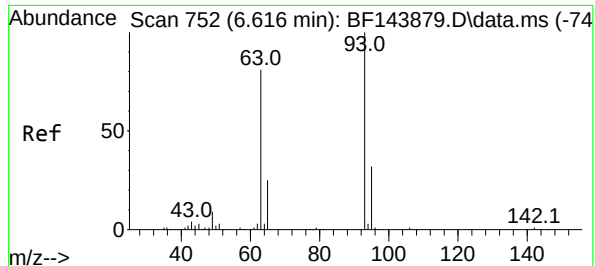
Ion Ratio Lower Upper

94 100

65 28.6 8.5 48.5

66 37.8 19.9 59.9

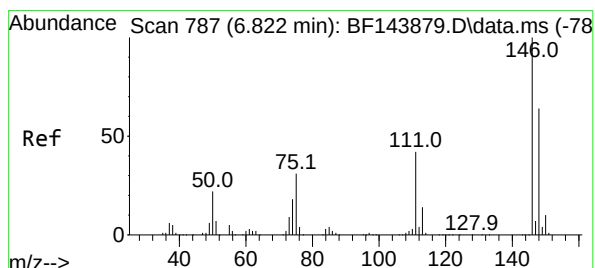
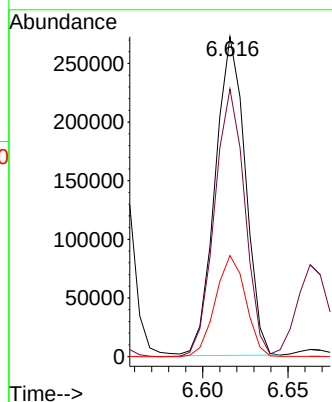
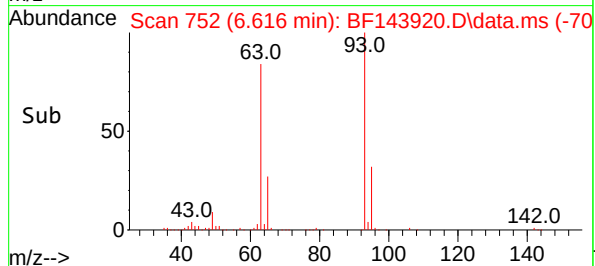
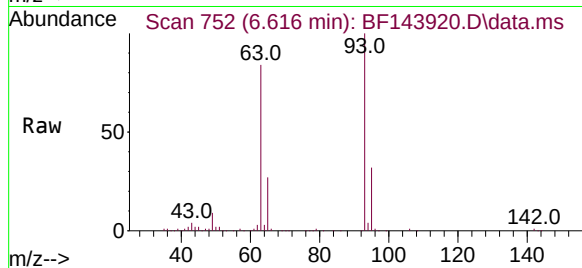




#11
bis(2-Chloroethyl)ether
Concen: 42.185 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

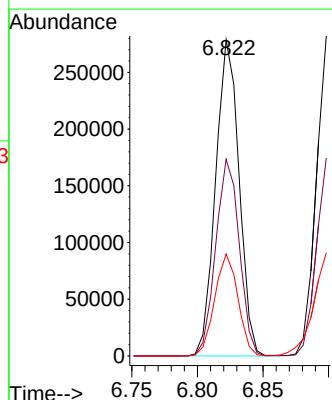
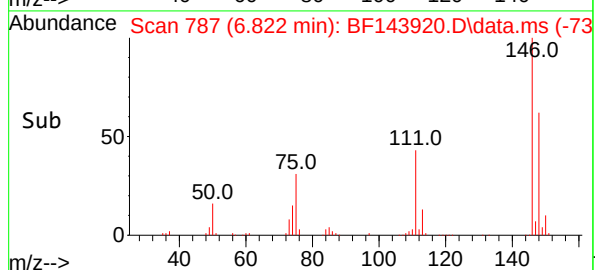
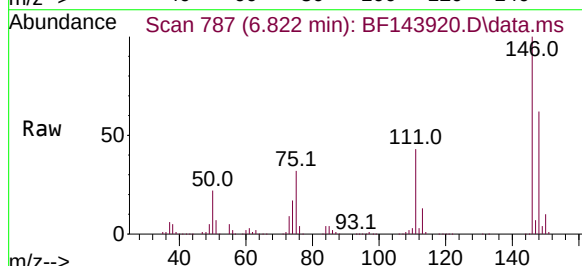
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

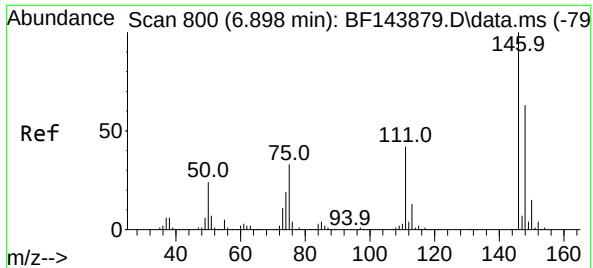
Tgt Ion: 93	Resp: 333968
Ion Ratio	Lower Upper
93 100	
63 83.6	60.9 100.9
95 31.6	11.5 51.5



#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# 800

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

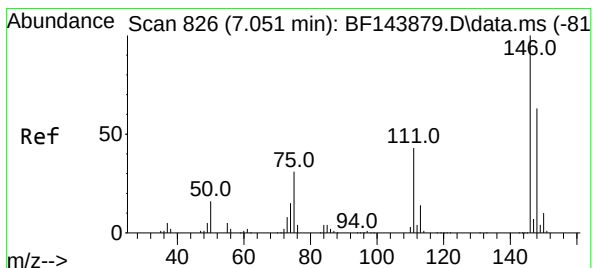
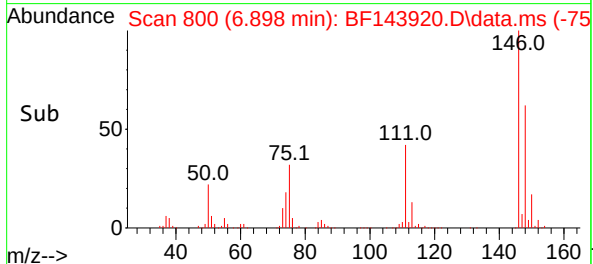
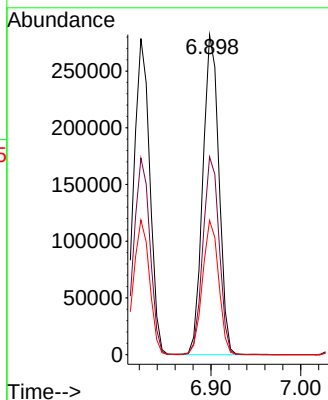
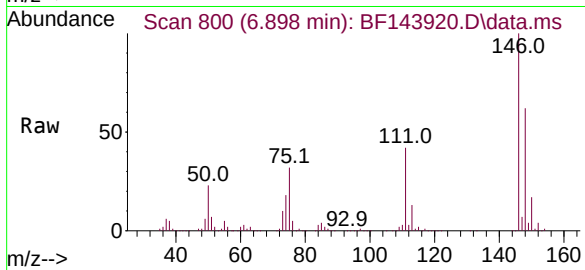
Tgt Ion:146 Resp: 352045

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

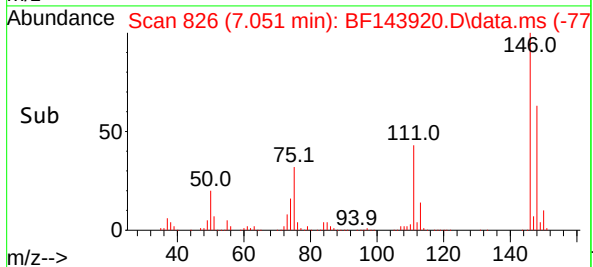
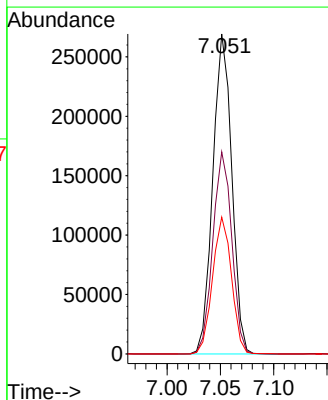
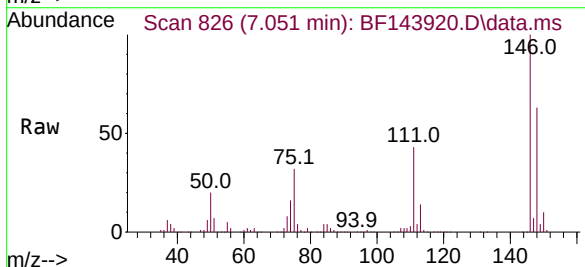
Tgt Ion:146 Resp: 333920

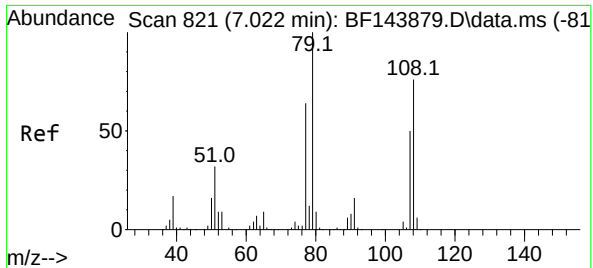
Ion Ratio Lower Upper

146 100

148 63.2 50.6 75.8

111 42.7 34.6 51.8

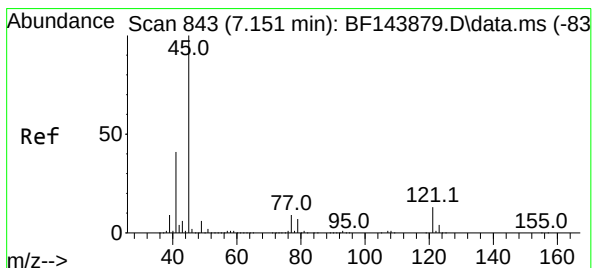
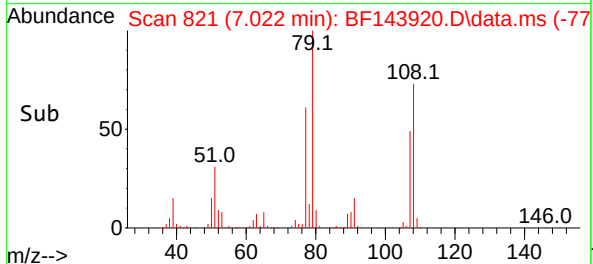
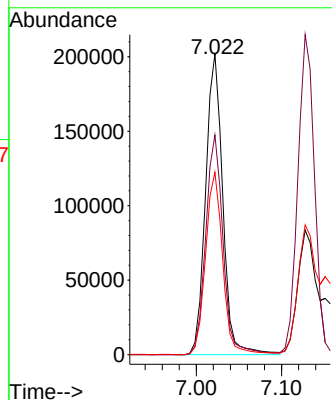
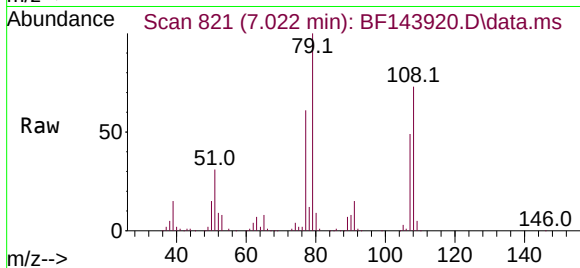




#15
Benzyl Alcohol
Concen: 43.961 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

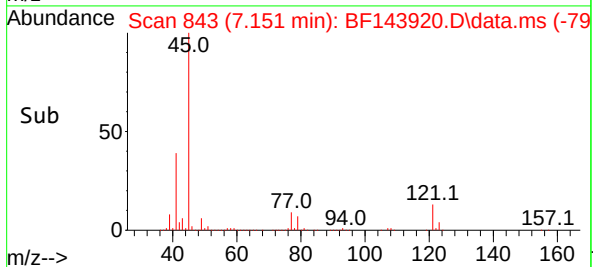
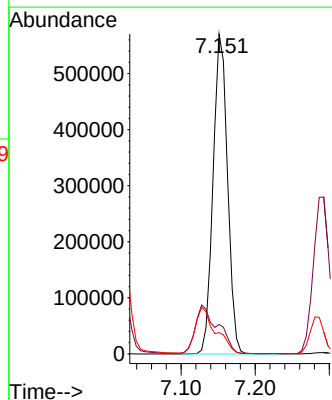
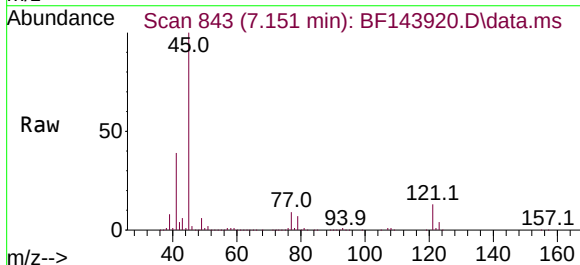
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

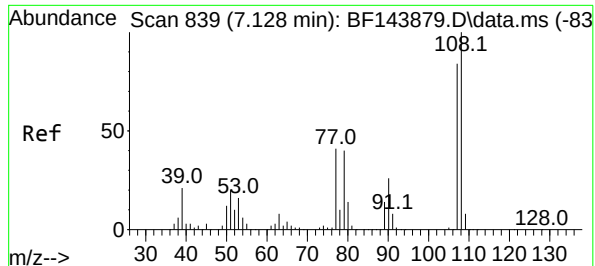
Tgt Ion: 79 Resp: 282356
Ion Ratio Lower Upper
79 100
108 73.0 60.8 91.2
77 60.6 51.0 76.6



#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

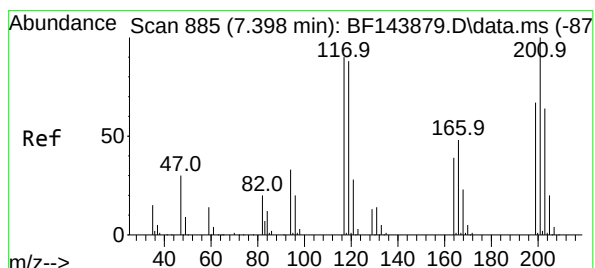
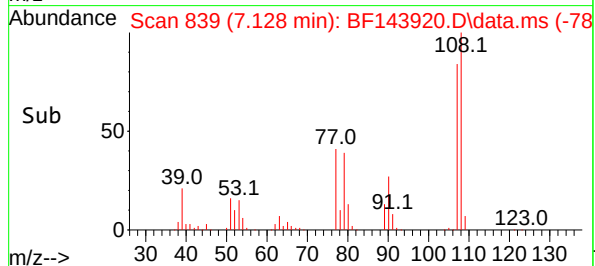
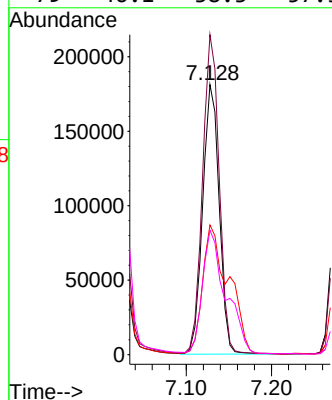
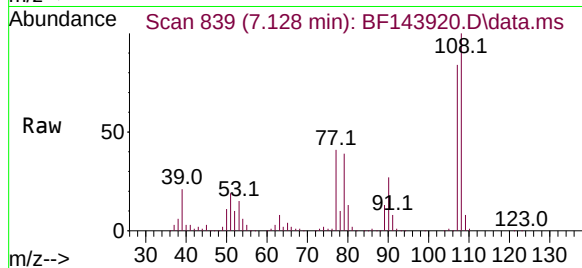




#17
2-Methylphenol
Concen: 42.028 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

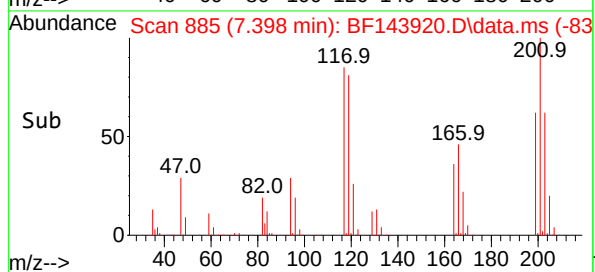
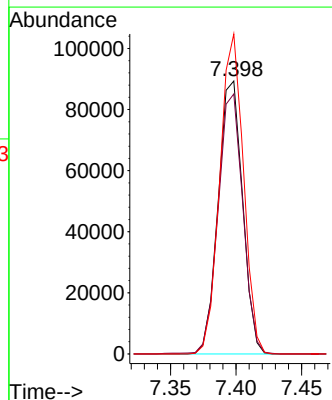
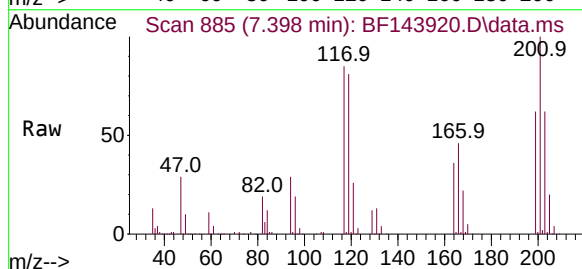
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

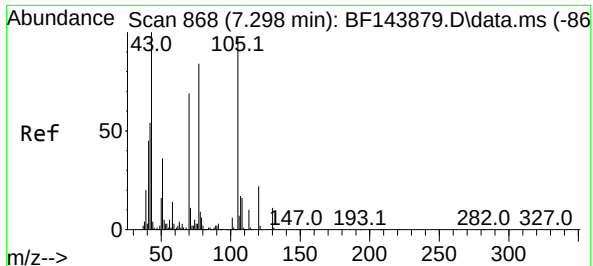
Tgt Ion:107	Resp: 244175
Ion Ratio	Lower Upper
107	100
108	118.5 94.7 142.1
77	48.0 38.8 58.2
79	46.1 38.3 57.5



#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# 867

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

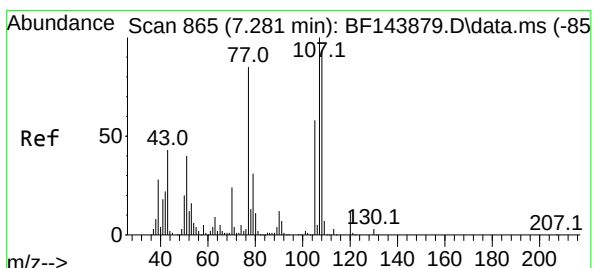
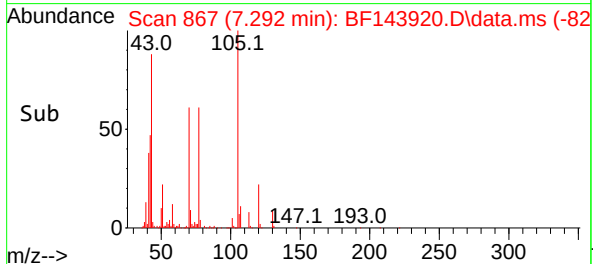
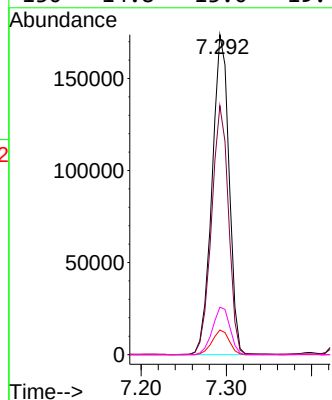
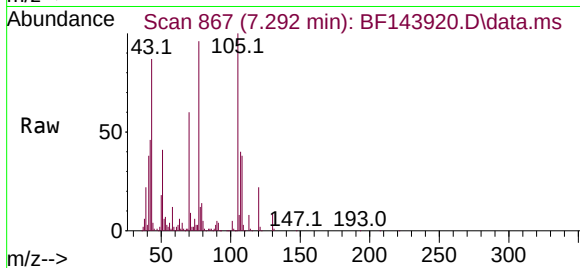
Ion Ratio Lower Upper

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

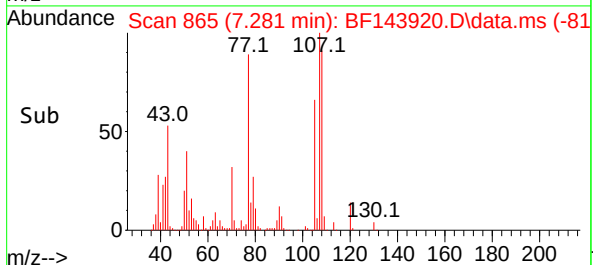
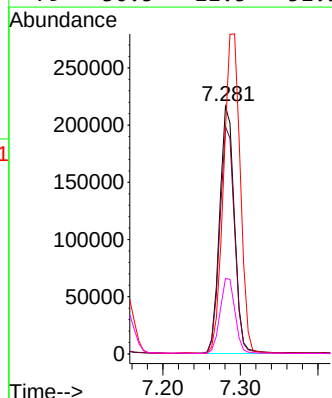
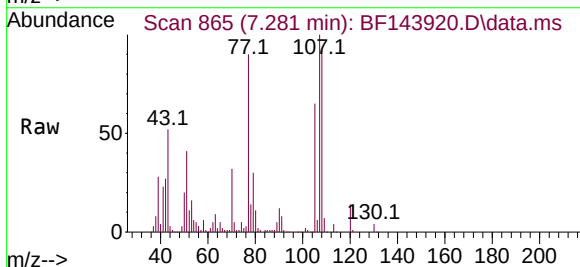
Ion Ratio Lower Upper

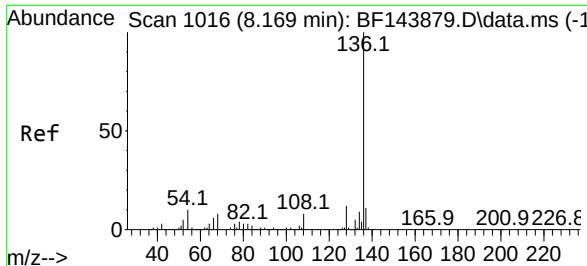
107 100

108 91.8 73.0 113.0

77 90.2 64.6 104.6

79 30.5 11.5 51.5



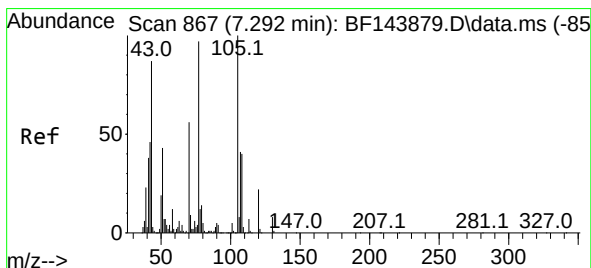
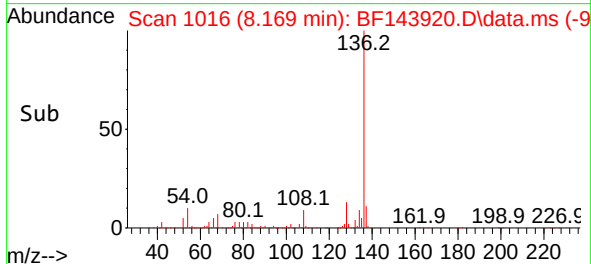
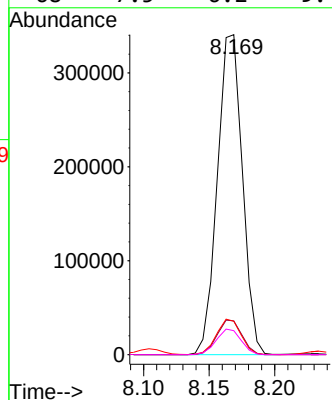
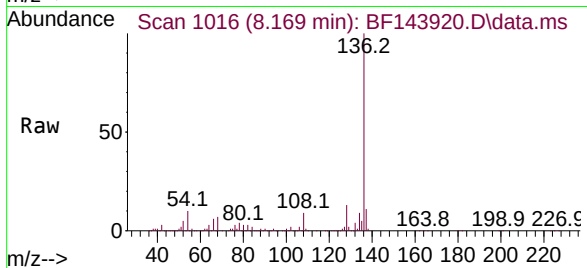


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 454258

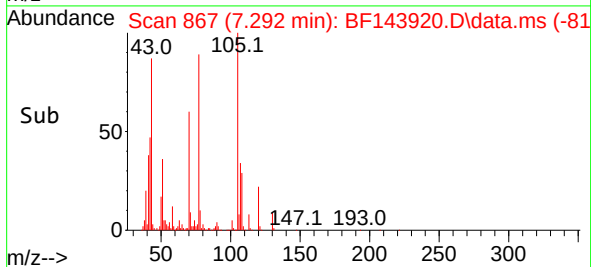
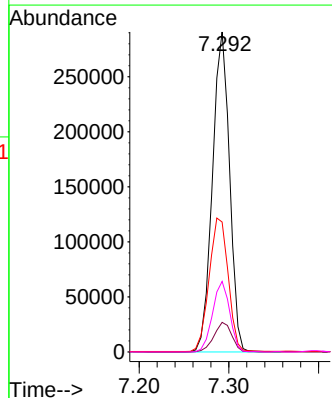
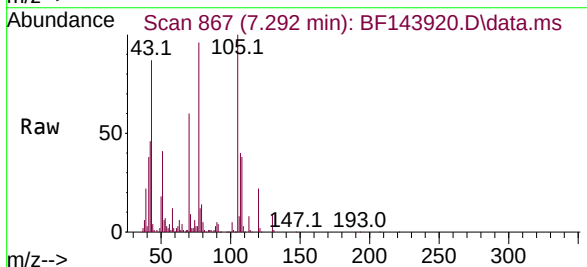
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.4	8.2	12.4
68	7.5	6.2	9.4

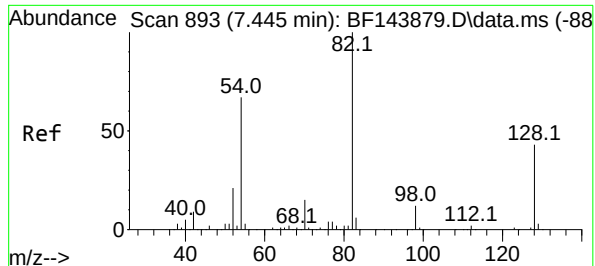


#22
Acetophenone
Concen: 40.106 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

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# 893

Delta R.T. -0.012 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

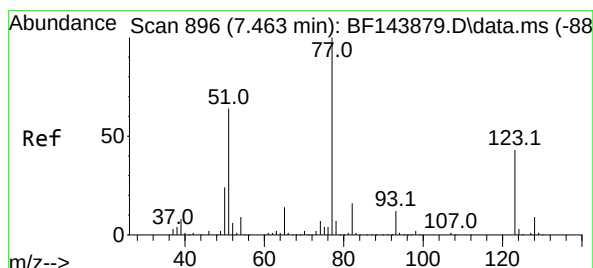
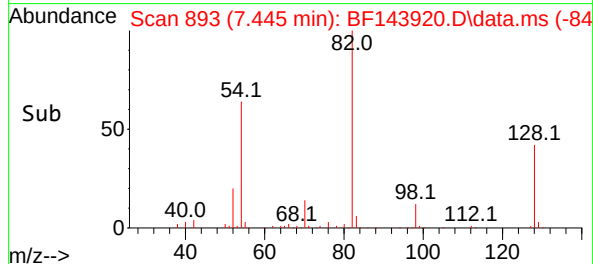
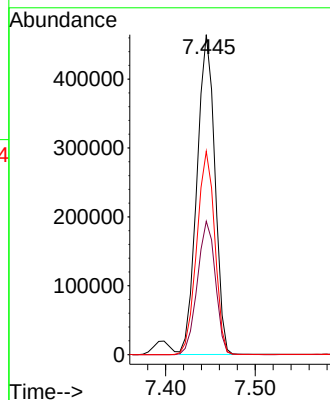
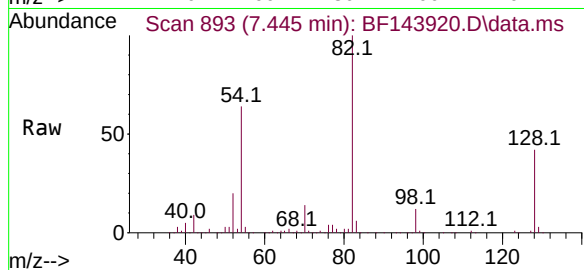
Tgt Ion: 82 Resp: 643677

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

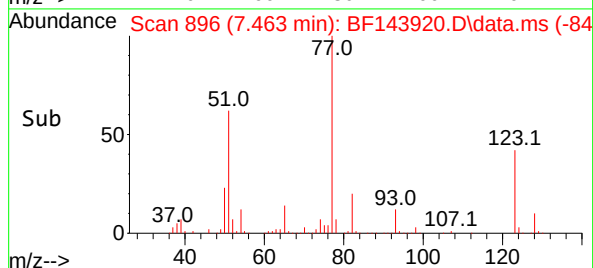
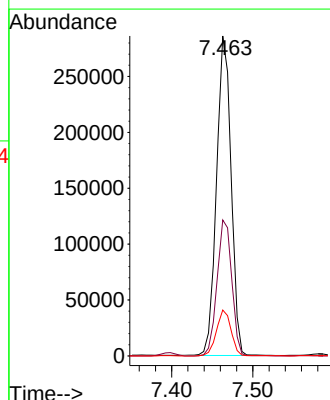
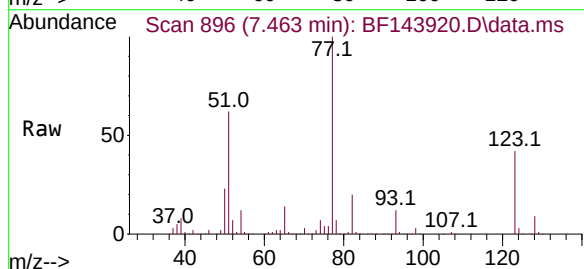
Tgt Ion: 77 Resp: 357330

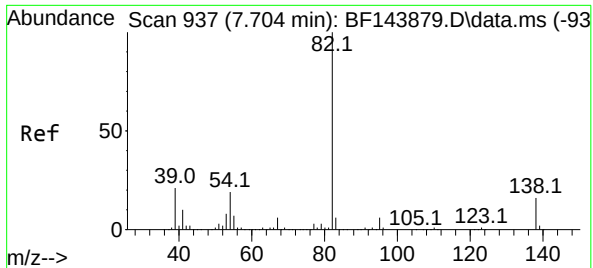
Ion Ratio Lower Upper

77 100

123 42.5 34.2 51.4

65 14.3 11.0 16.6

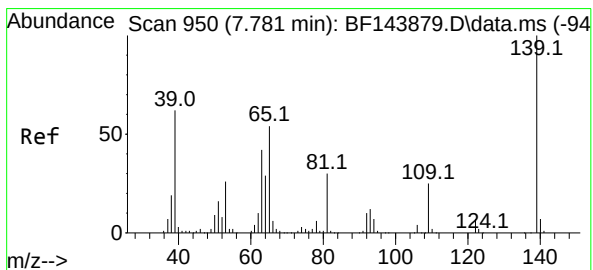
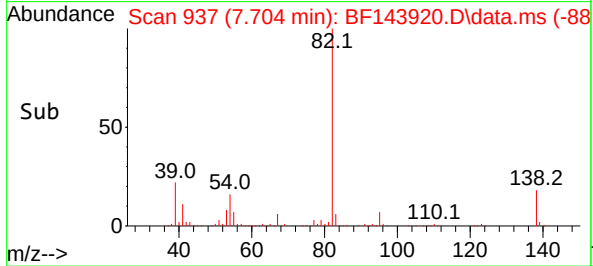
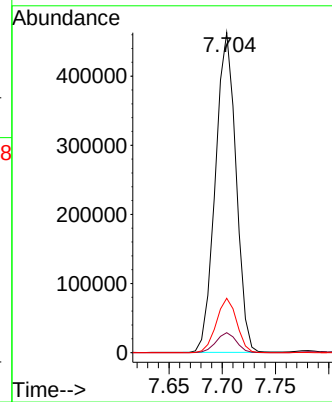
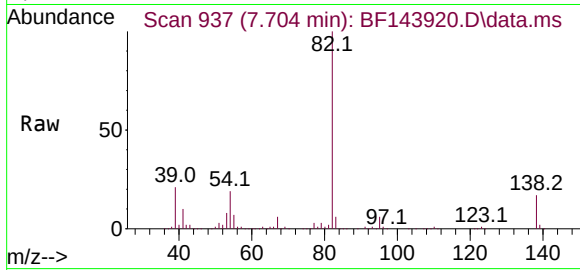




#25
Isophorone
Concen: 39.650 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

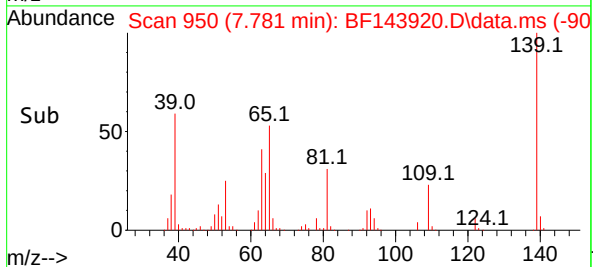
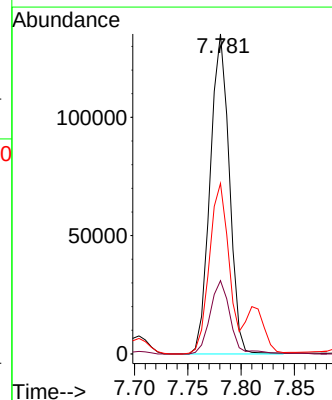
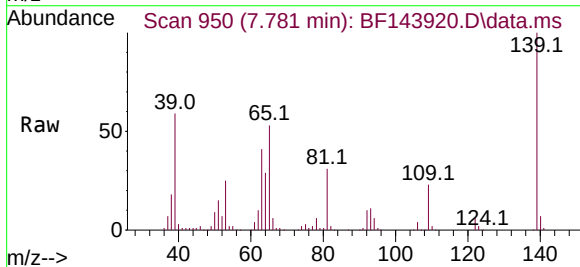
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

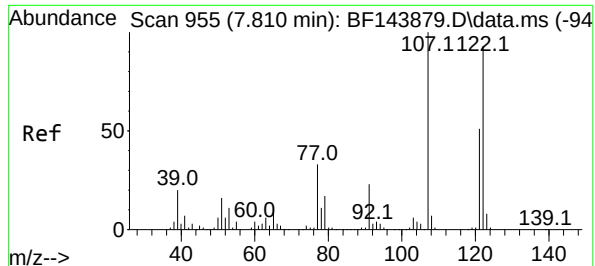
Tgt Ion	82	Resp	625096
Ion Ratio	Lower	Upper	
82	100		
95	6.2	5.1	7.7
138	17.0	12.9	19.3



#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# 91

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

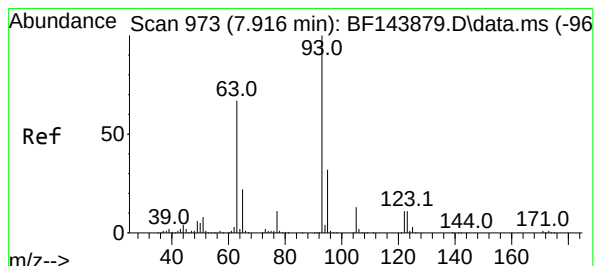
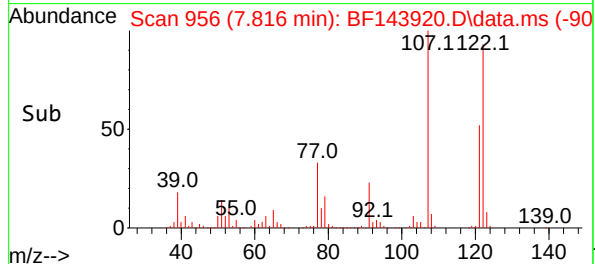
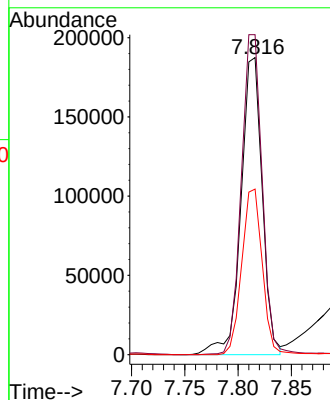
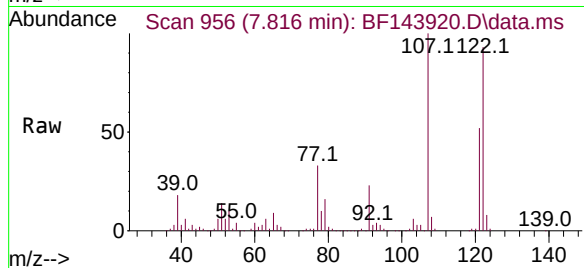
Tgt Ion:122 Resp: 260198

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

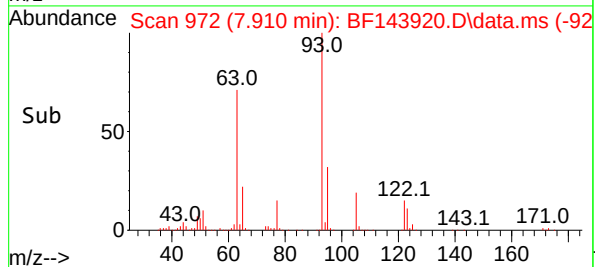
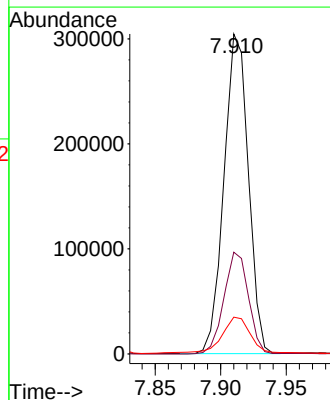
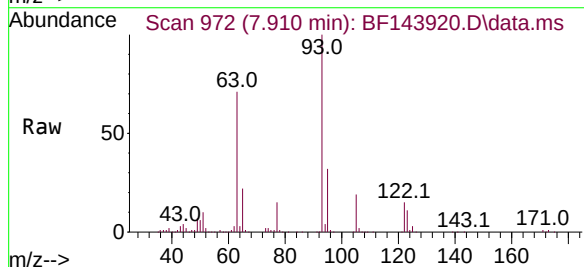
Tgt Ion: 93 Resp: 394819

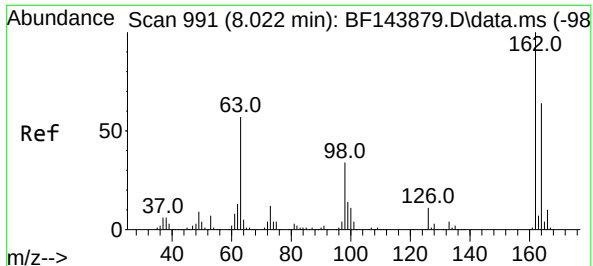
Ion Ratio Lower Upper

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# 991

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

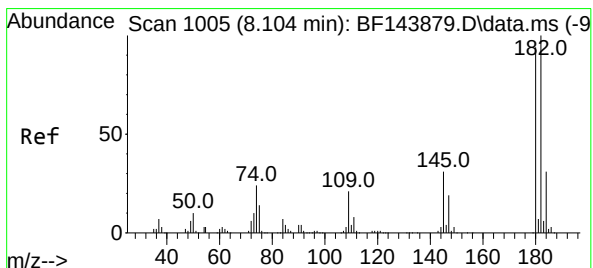
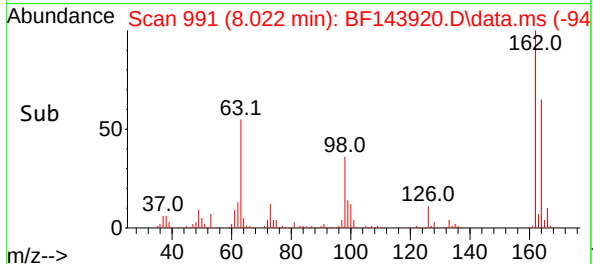
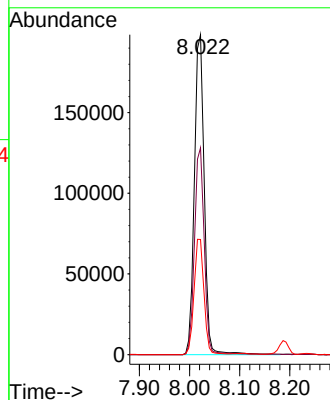
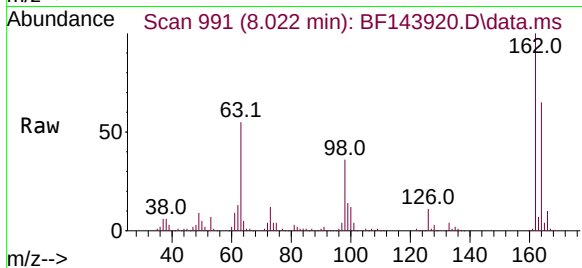
Tgt Ion:162 Resp: 271493

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

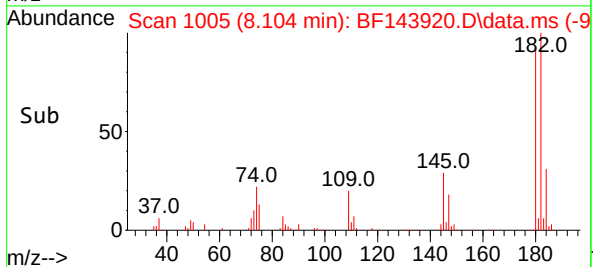
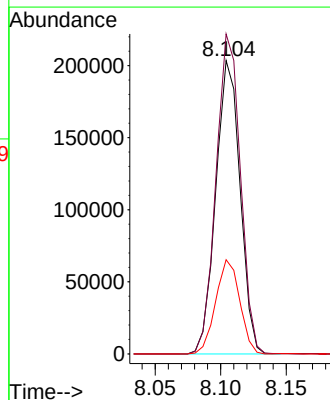
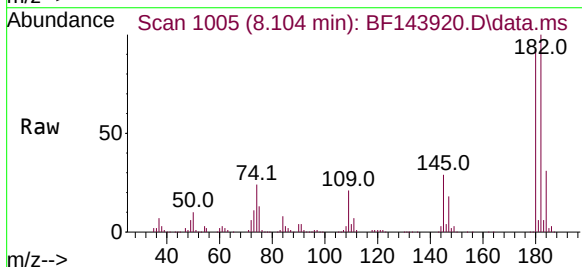
Tgt Ion:180 Resp: 263208

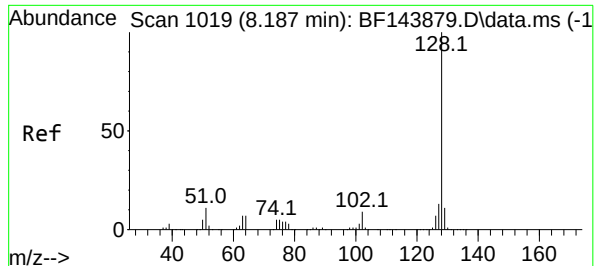
Ion Ratio Lower Upper

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# 1019

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

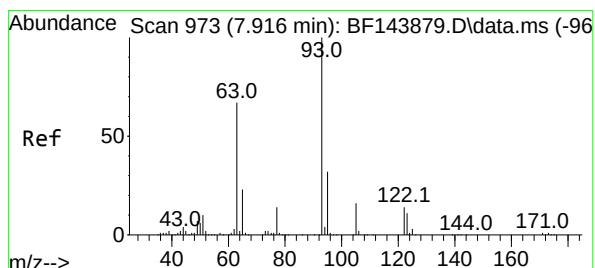
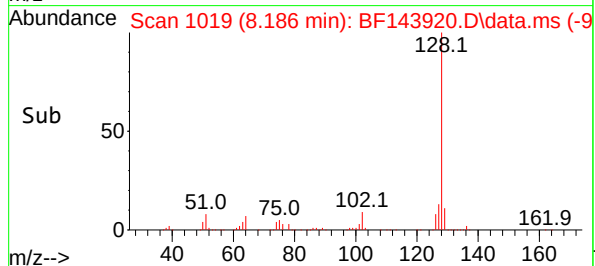
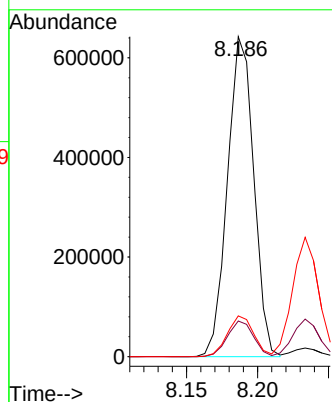
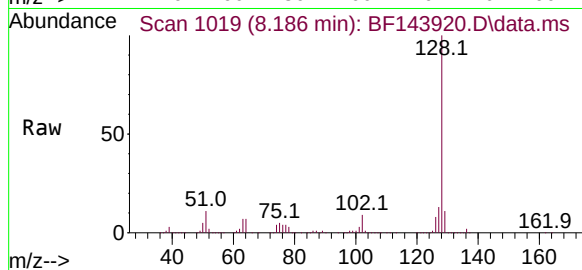
Tgt Ion:128 Resp: 826450

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

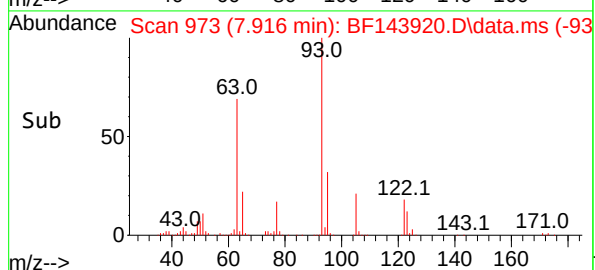
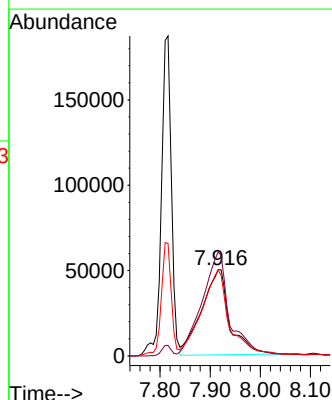
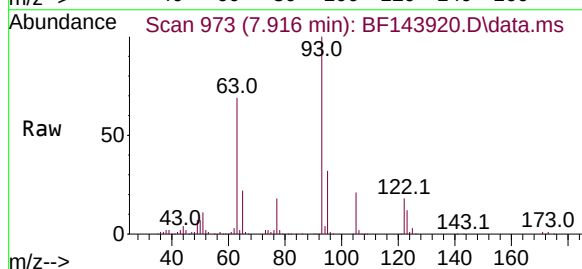
Tgt Ion:122 Resp: 193551

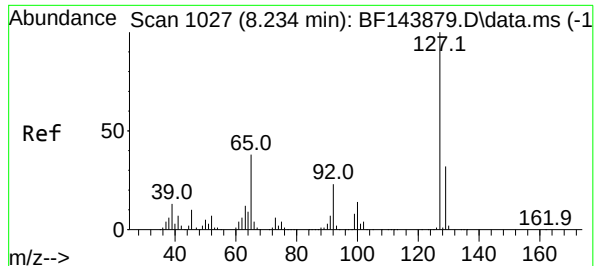
Ion Ratio Lower Upper

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# 1027

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

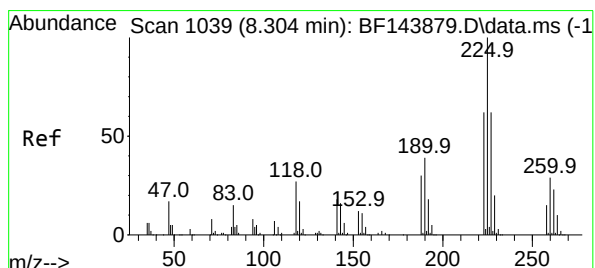
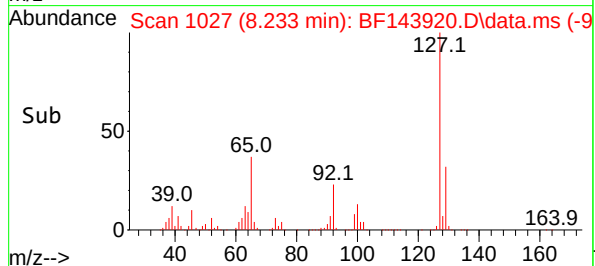
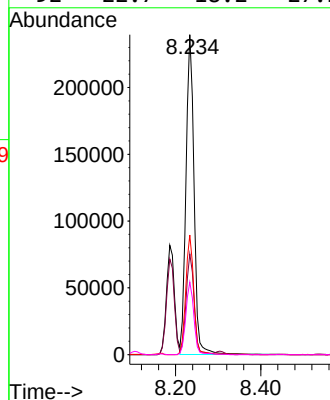
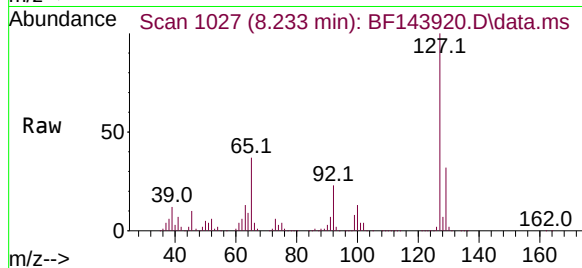
Ion Ratio Lower Upper

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

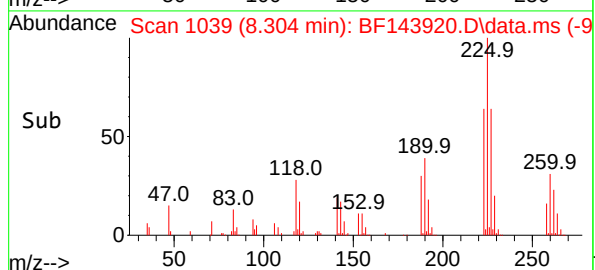
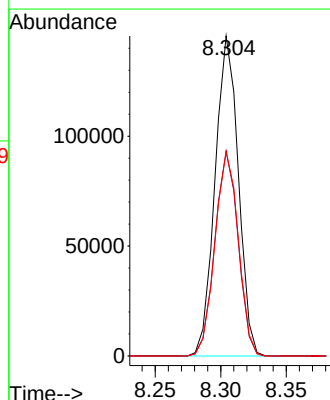
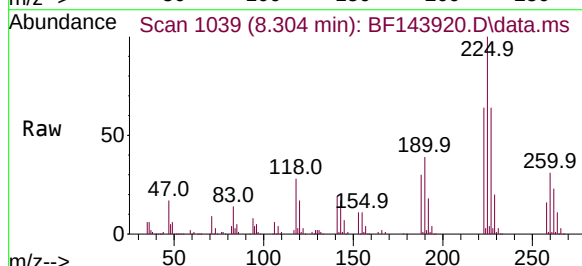
Tgt Ion:225 Resp: 179921

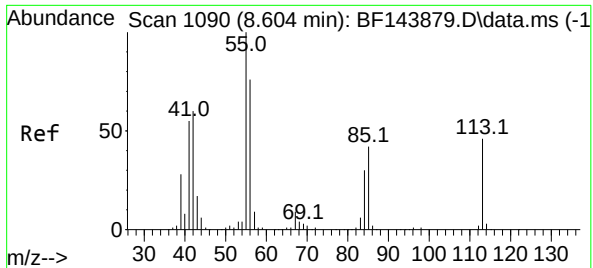
Ion Ratio Lower Upper

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# 1090

Delta R.T. -0.041 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

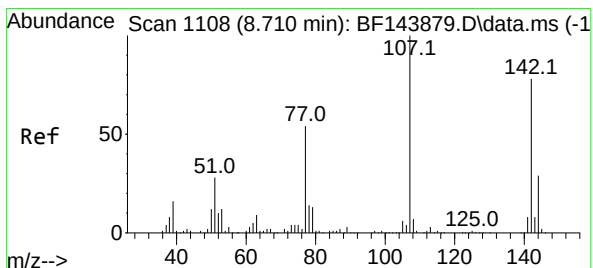
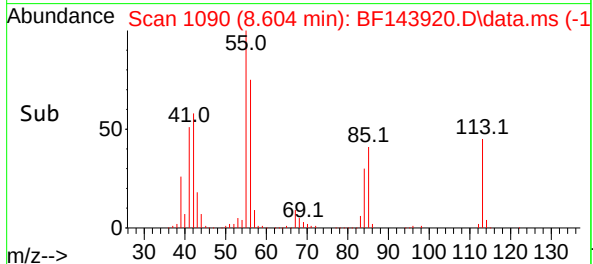
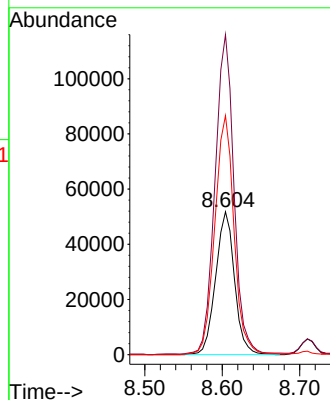
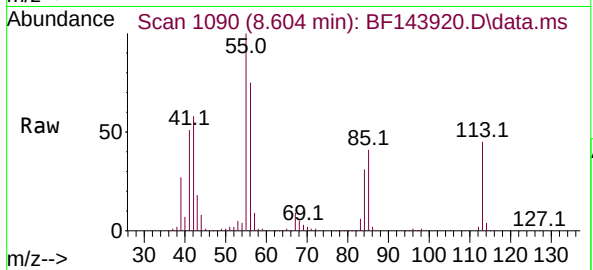
Tgt Ion:113 Resp: 87766

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

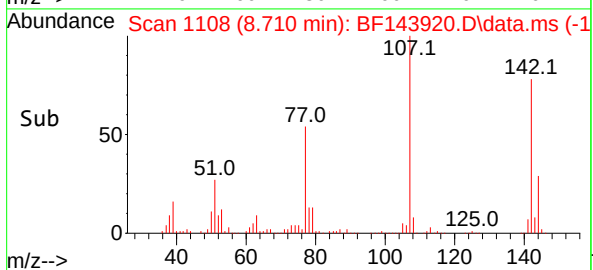
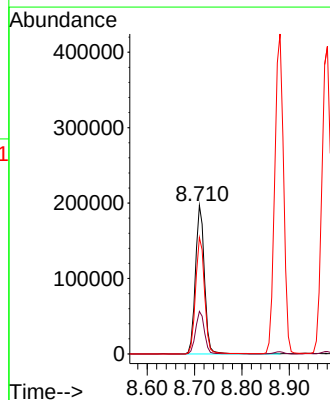
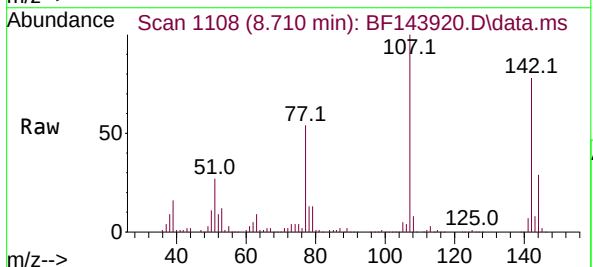
Tgt Ion:107 Resp: 260239

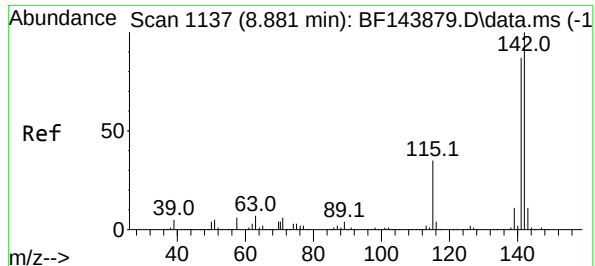
Ion Ratio Lower Upper

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# 1137

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

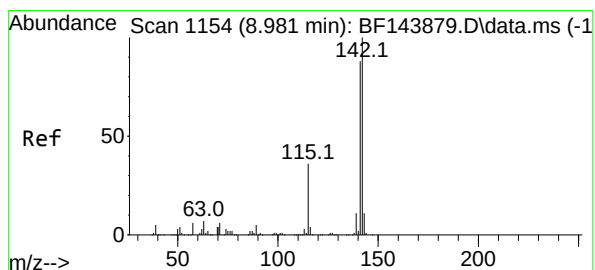
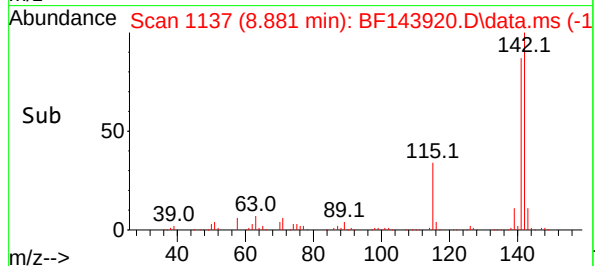
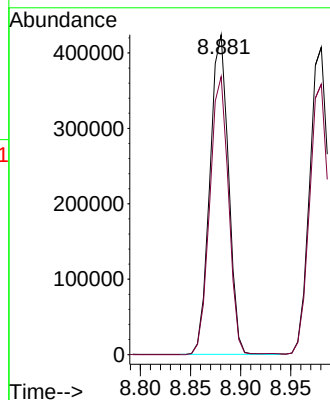
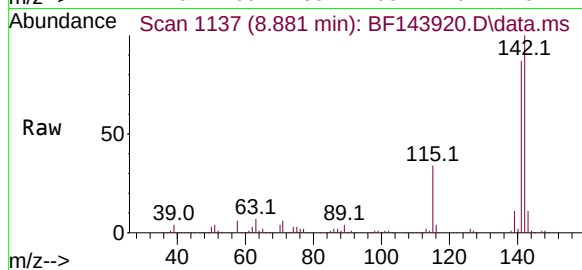
SSTDCCC040

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

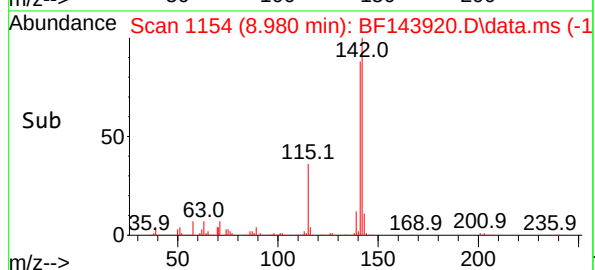
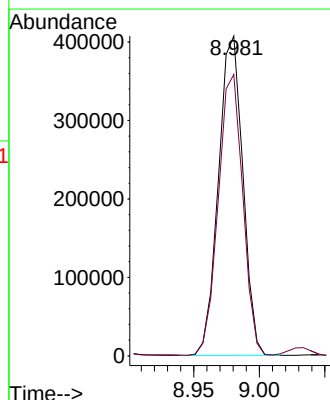
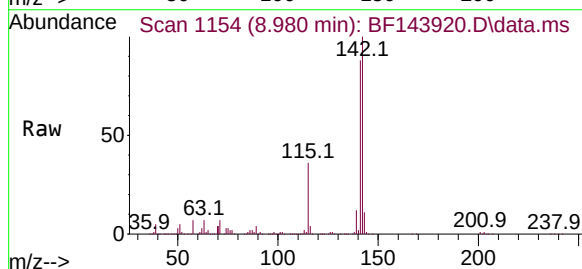
Acq: 10 Oct 2025 12:32

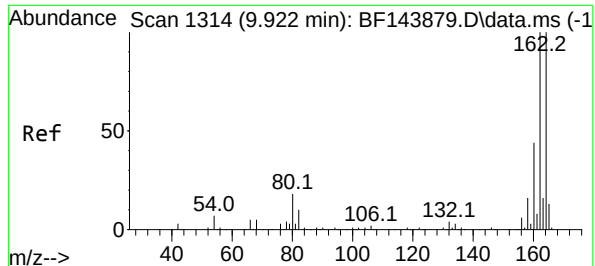
Tgt Ion:142 Resp: 528428

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# 1314

Delta R.T. -0.005 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

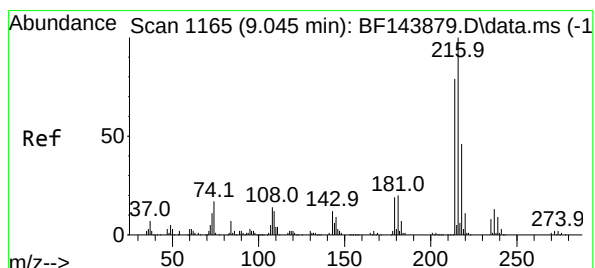
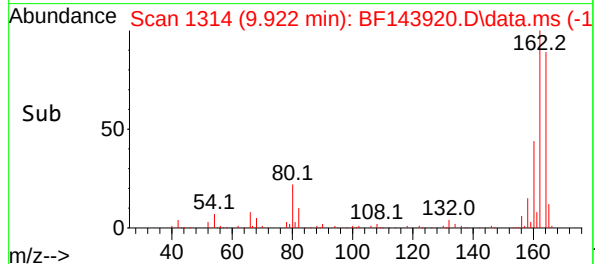
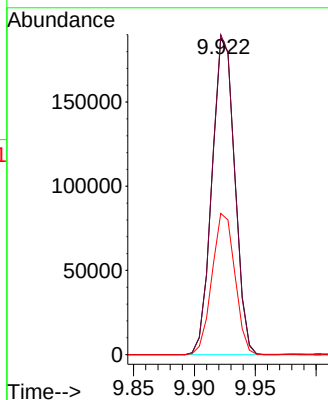
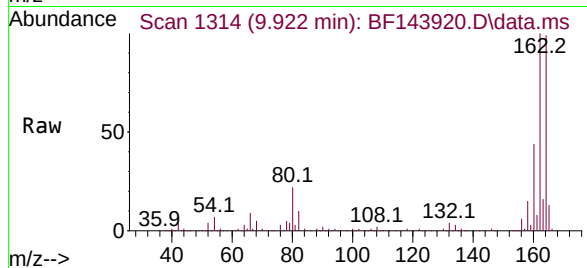
Tgt Ion:164 Resp: 244959

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

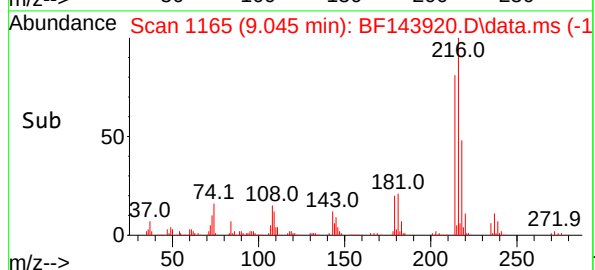
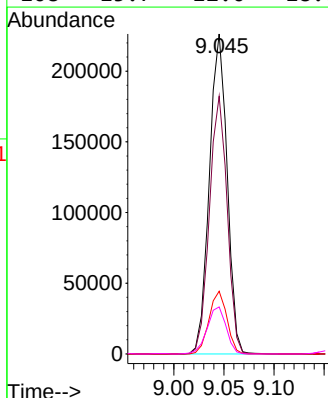
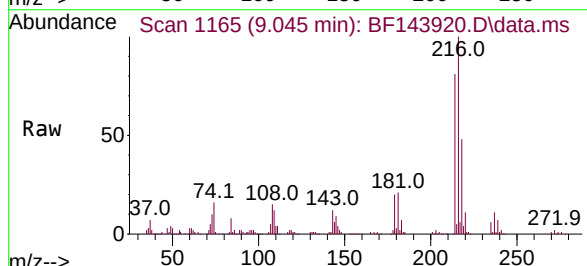
Ion Ratio Lower Upper

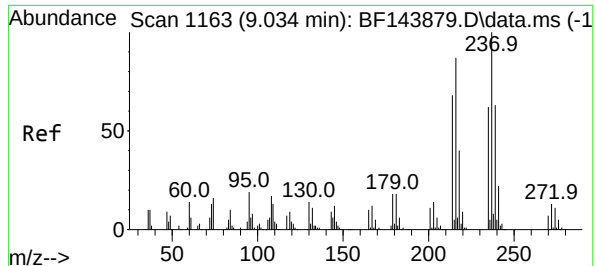
216 100

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# 1163

Delta R.T. 0.000 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

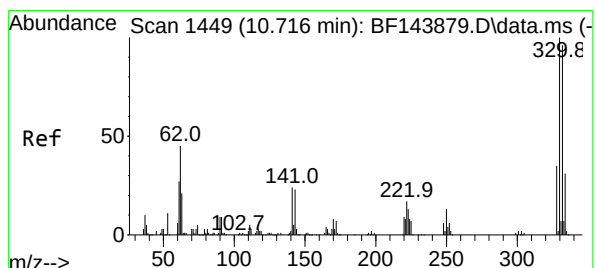
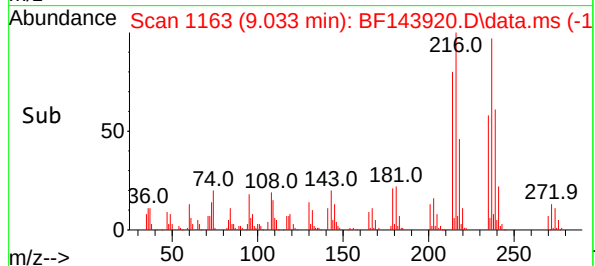
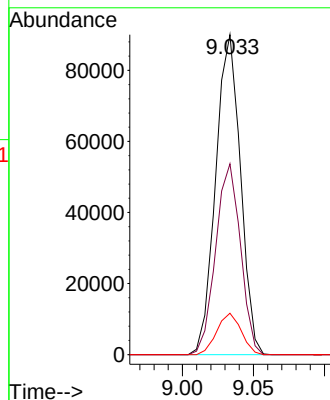
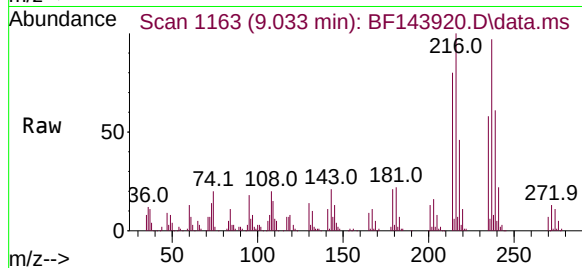
Tgt Ion:237 Resp: 109563

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

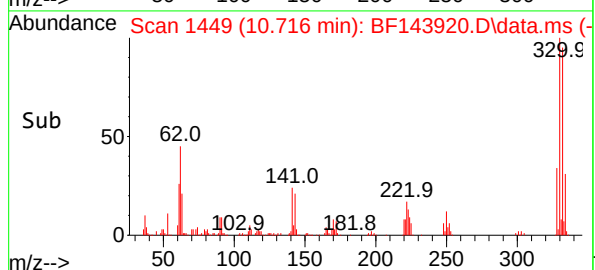
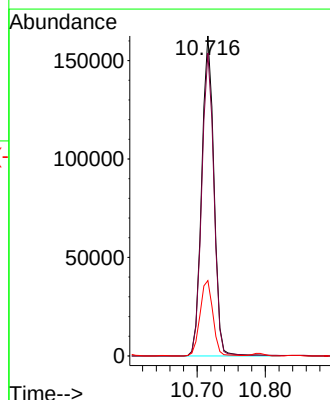
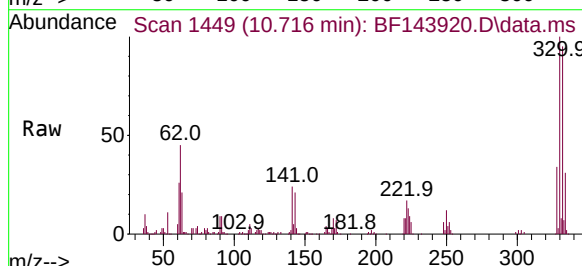
Tgt Ion:330 Resp: 202596

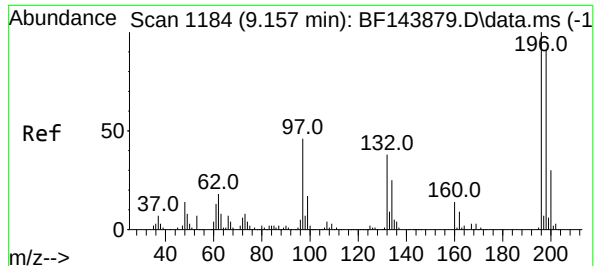
Ion Ratio Lower Upper

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# 1184

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

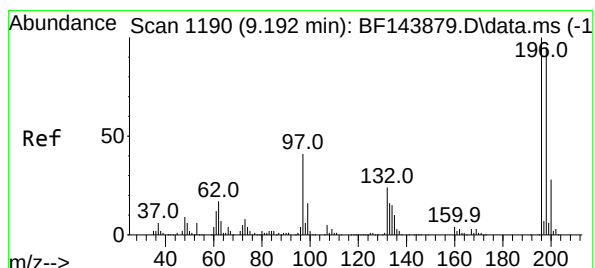
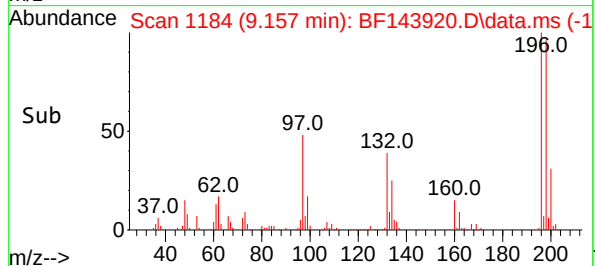
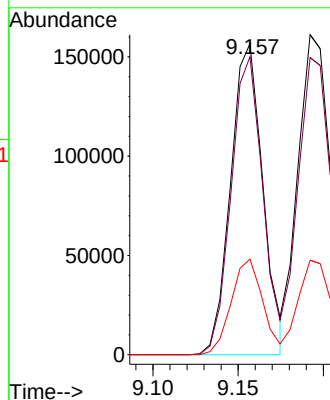
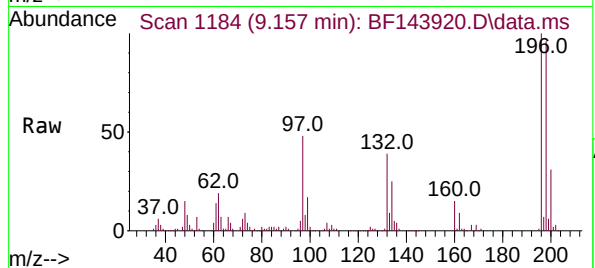
Tgt Ion:196 Resp: 205387

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

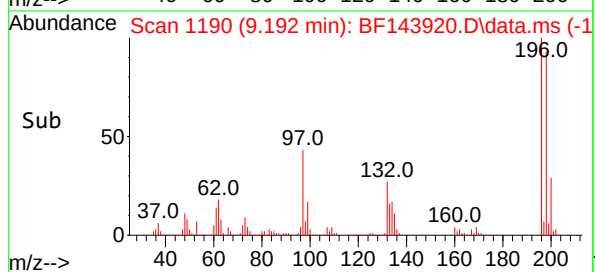
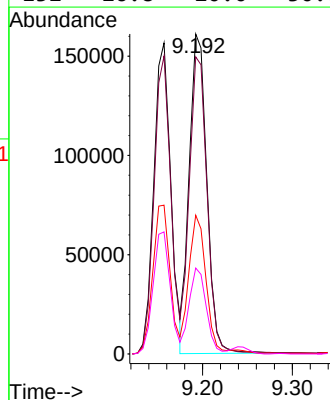
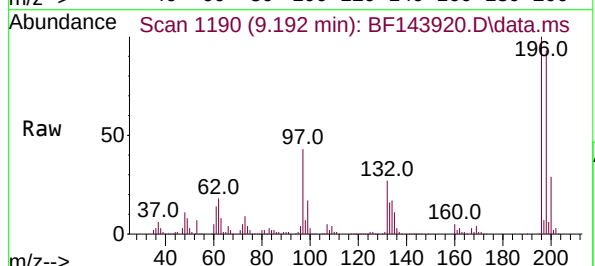
Ion Ratio Lower Upper

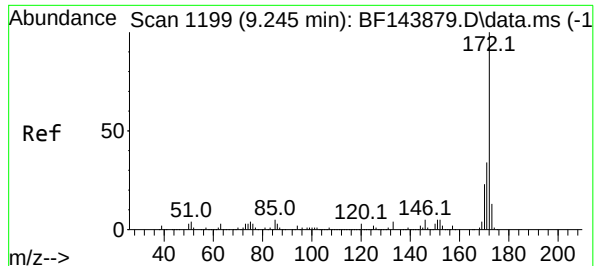
196 100

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# 1199

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

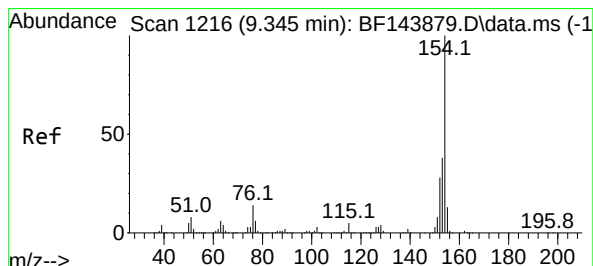
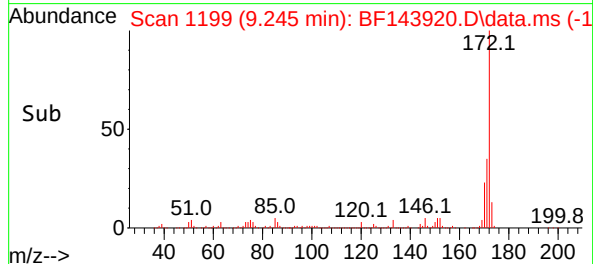
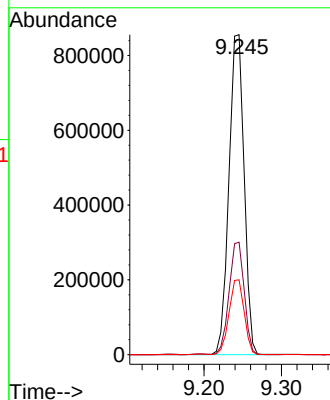
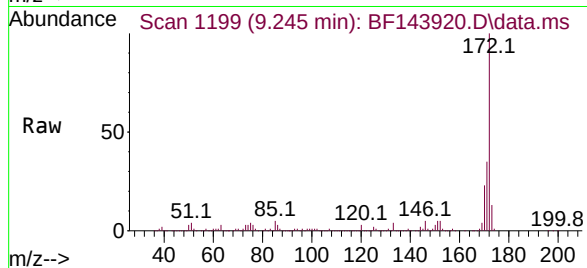
Tgt Ion:172 Resp: 1168558

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

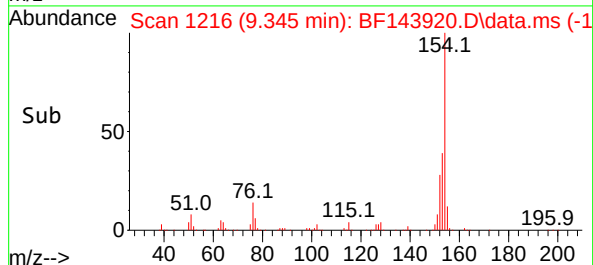
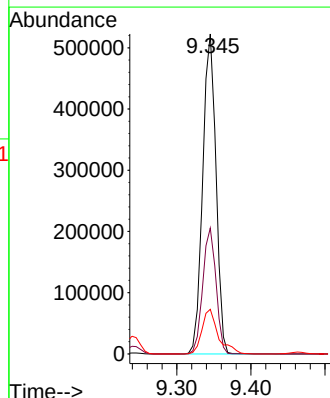
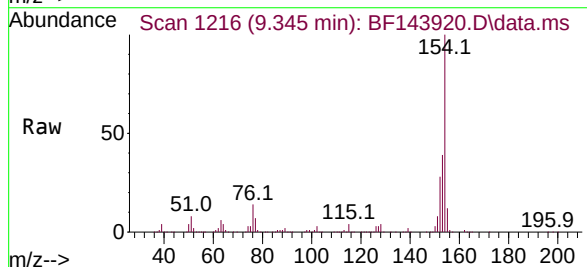
Tgt Ion:154 Resp: 649425

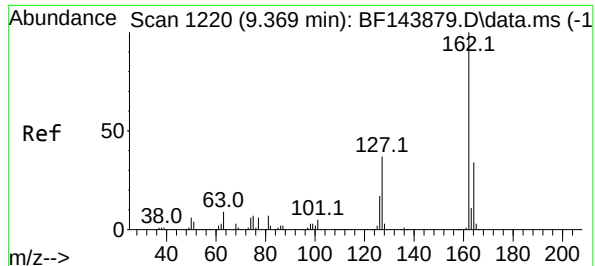
Ion Ratio Lower Upper

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# 1220

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

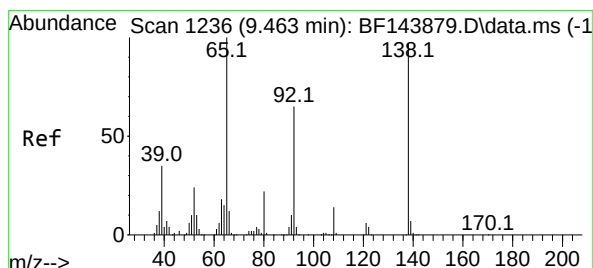
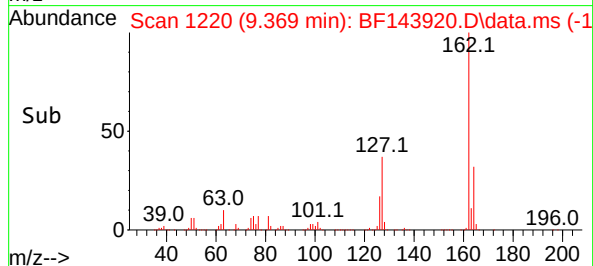
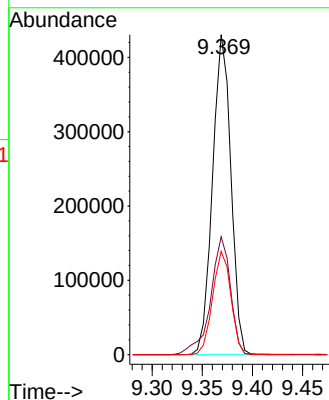
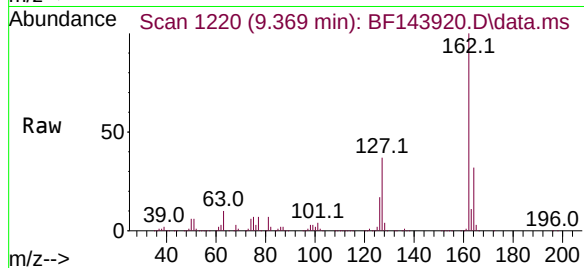
Tgt Ion:162 Resp: 548743

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

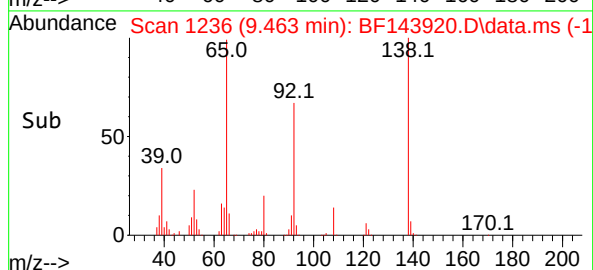
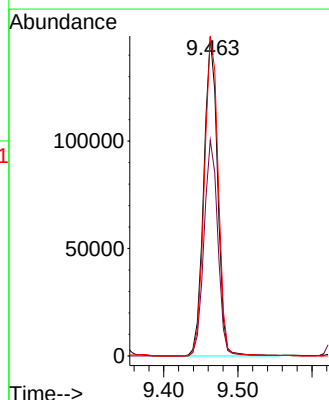
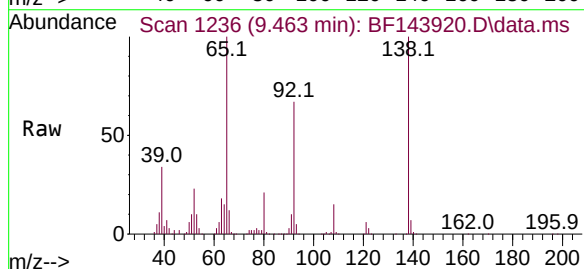
Tgt Ion: 65 Resp: 192026

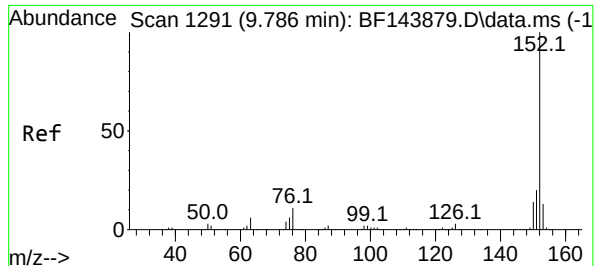
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

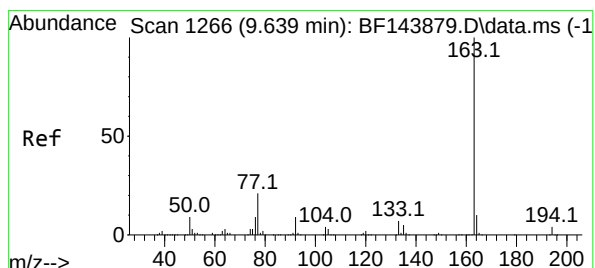
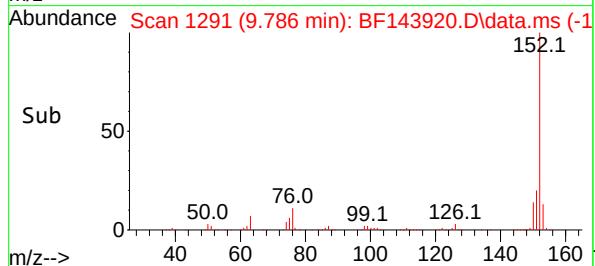
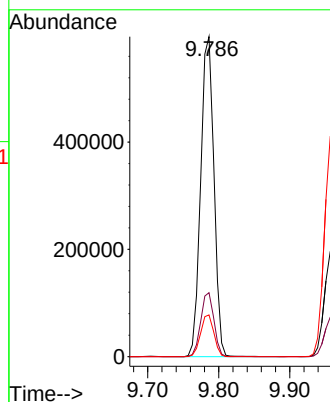
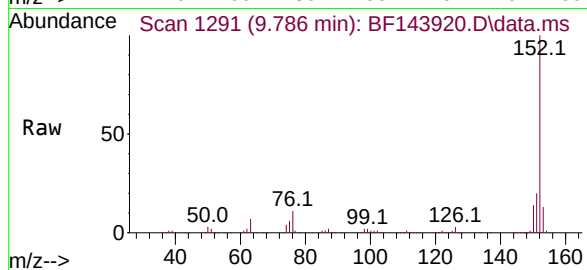
Tgt Ion:152 Resp: 770792

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

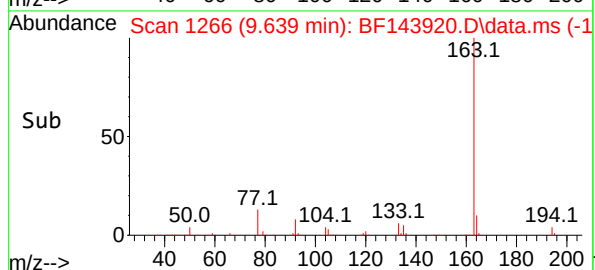
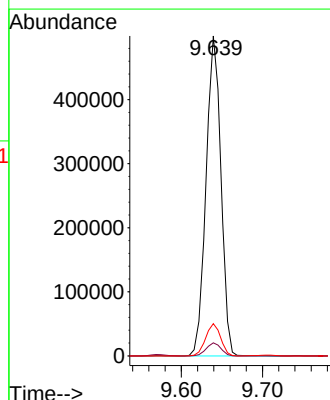
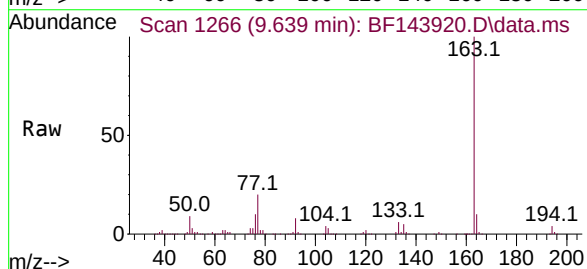
Tgt Ion:163 Resp: 637750

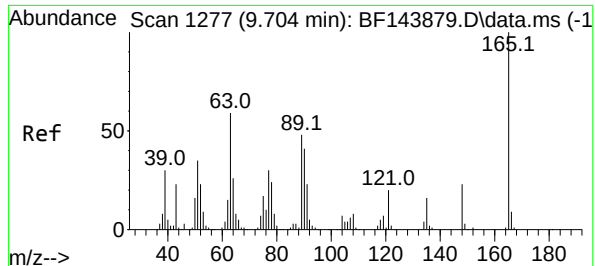
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 8.1 12.1

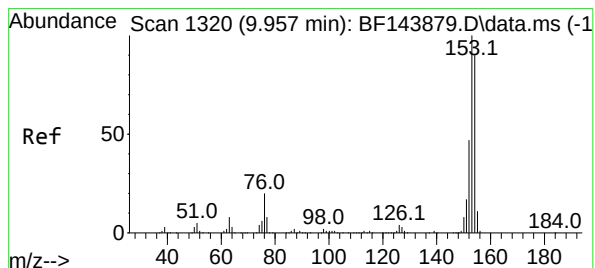
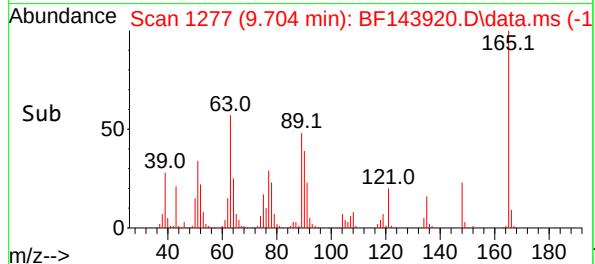
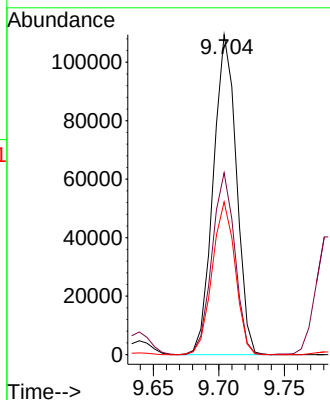
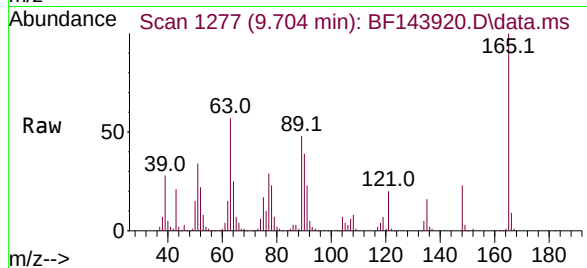




#51
2,6-Dinitrotoluene
Concen: 46.471 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

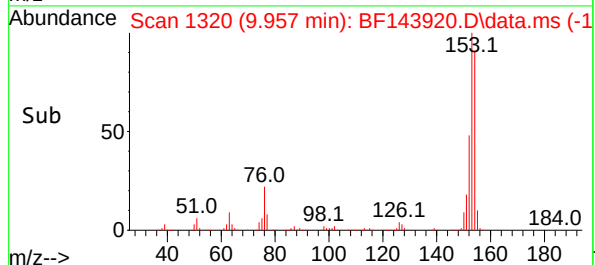
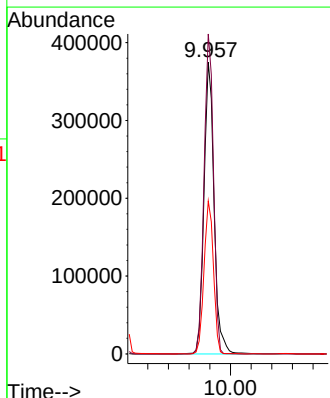
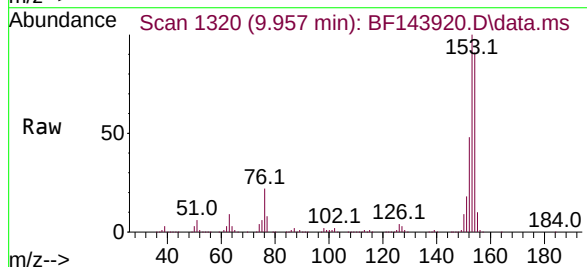
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

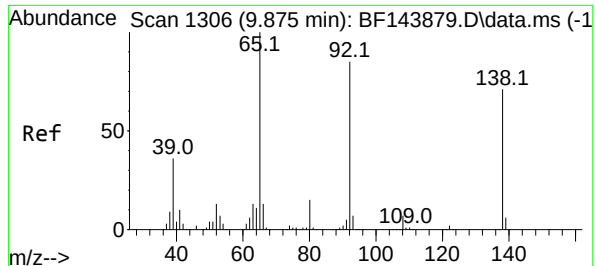
Tgt Ion:165 Resp: 134048
Ion Ratio Lower Upper
165 100
63 56.8 47.3 70.9
89 47.7 38.2 57.4



#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# 1306

Delta R.T. -0.012 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

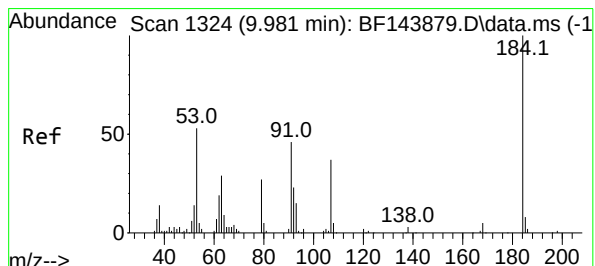
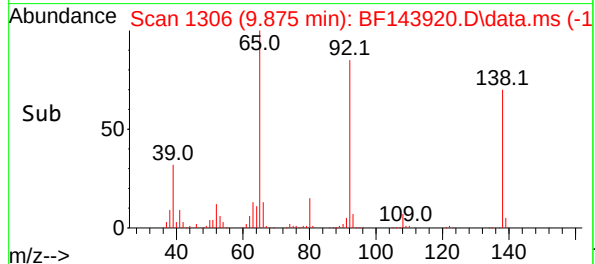
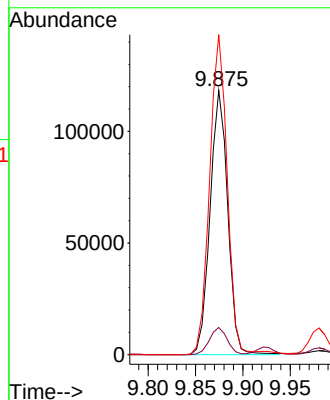
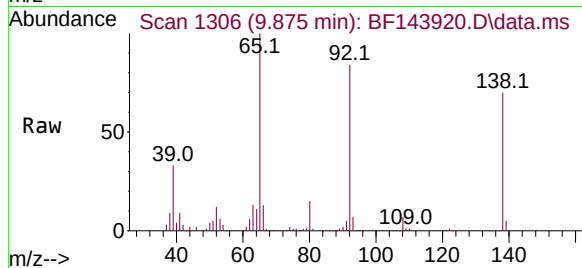
Tgt Ion:138 Resp: 153638

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

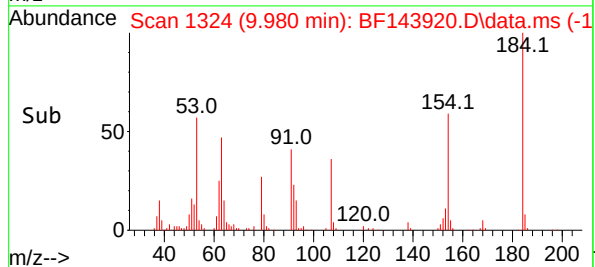
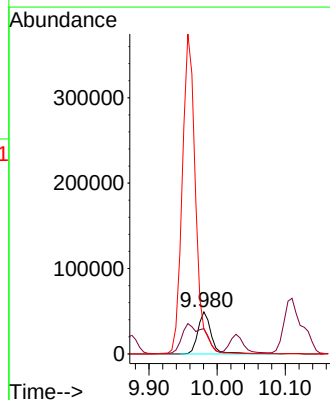
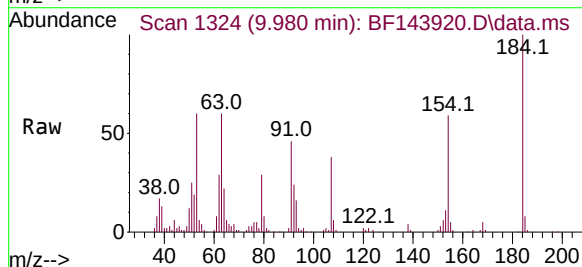
Tgt Ion:184 Resp: 66354

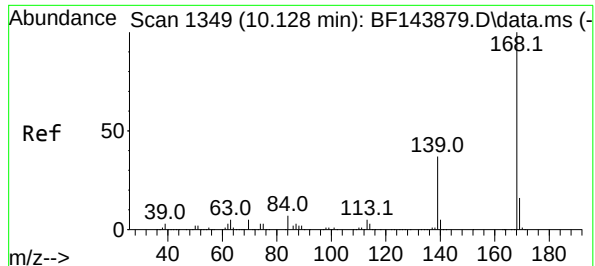
Ion Ratio Lower Upper

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# 1349

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

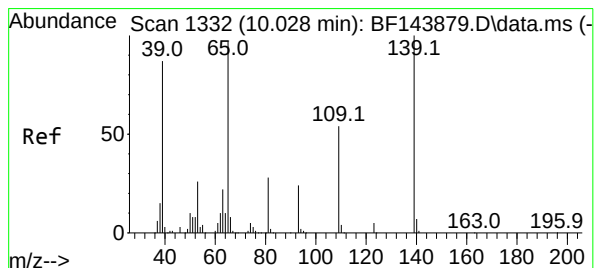
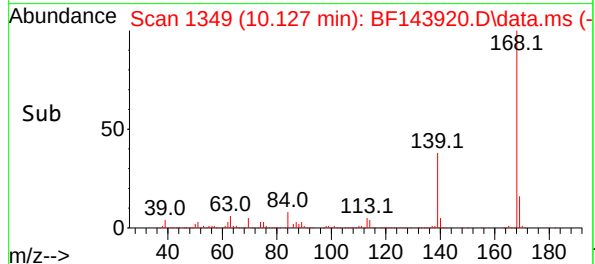
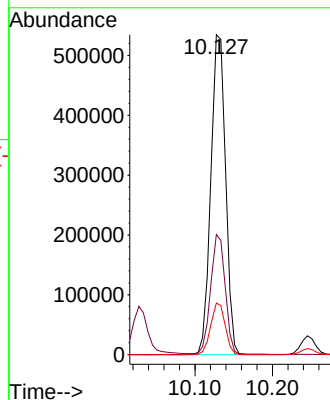
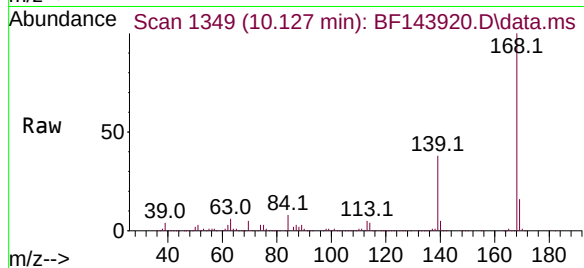
Tgt Ion:168 Resp: 706301

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

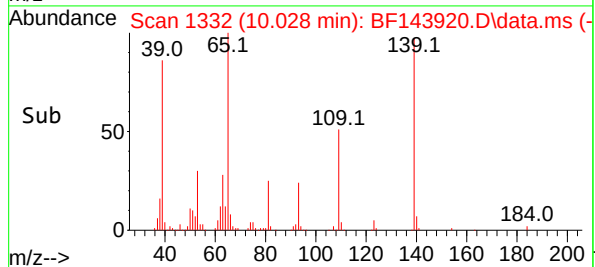
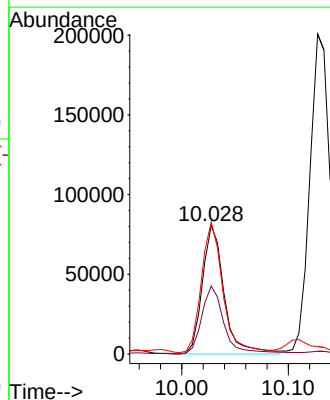
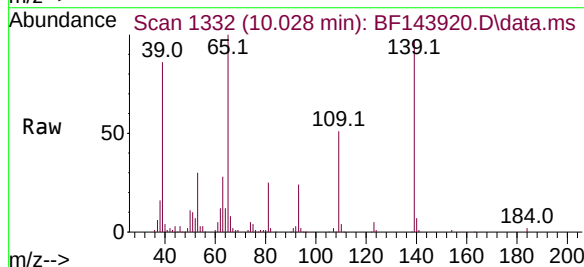
Tgt Ion:139 Resp: 114093

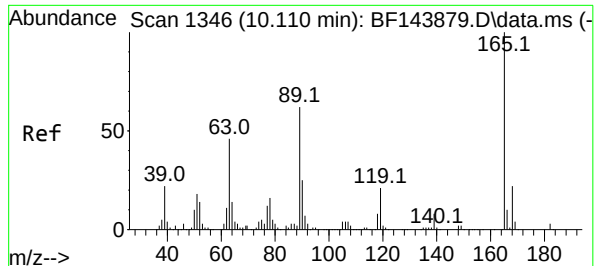
Ion Ratio Lower Upper

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# 1346

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

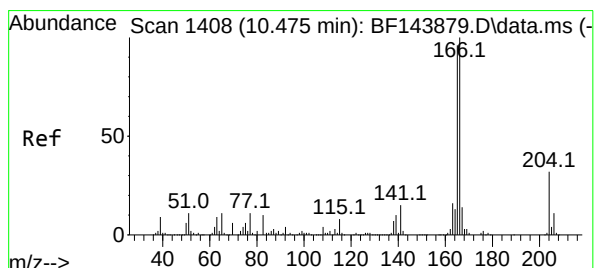
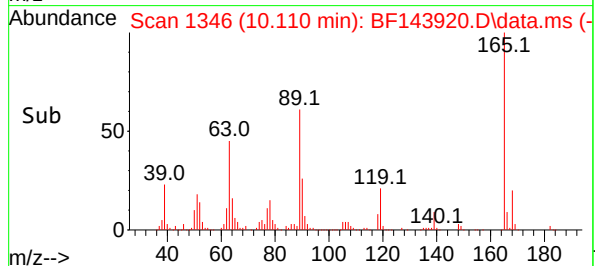
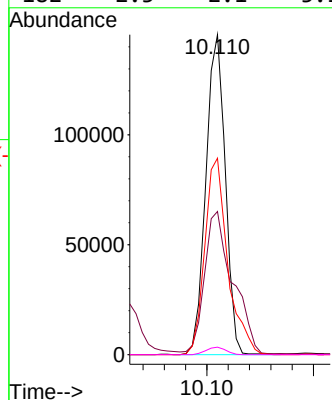
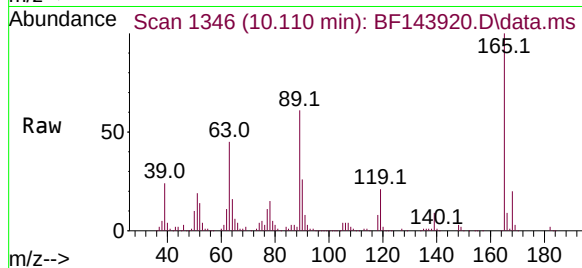
Ion Ratio Lower Upper

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

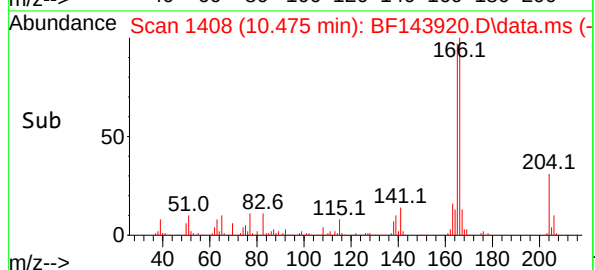
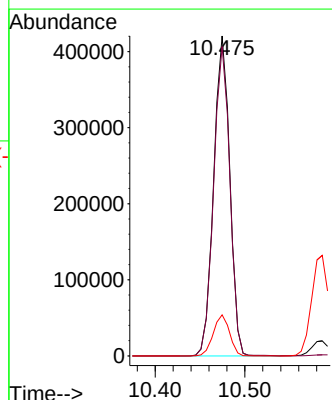
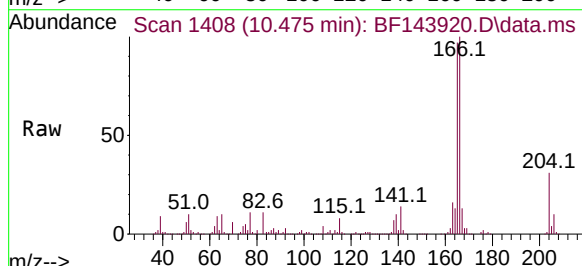
Tgt Ion:166 Resp: 527033

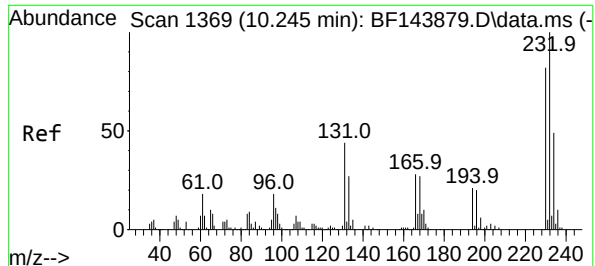
Ion Ratio Lower Upper

166 100

165 96.7 77.0 115.6

167 12.8 11.1 16.7

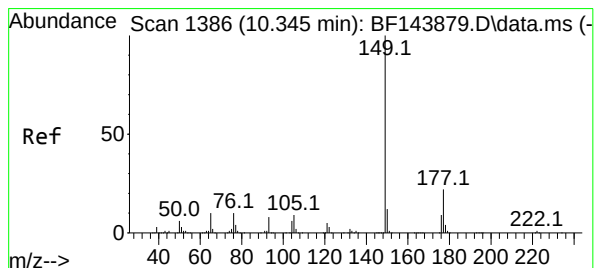
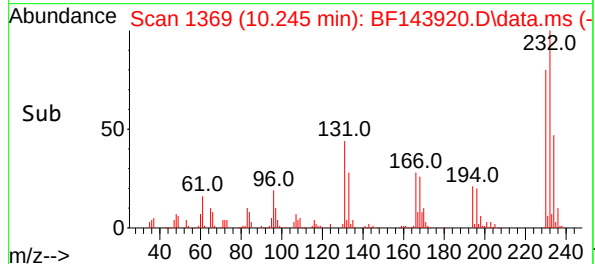
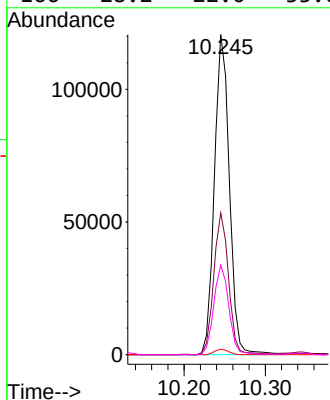
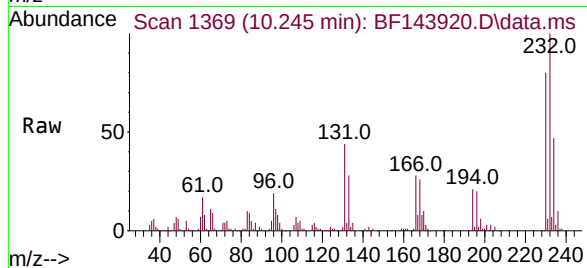




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.710 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

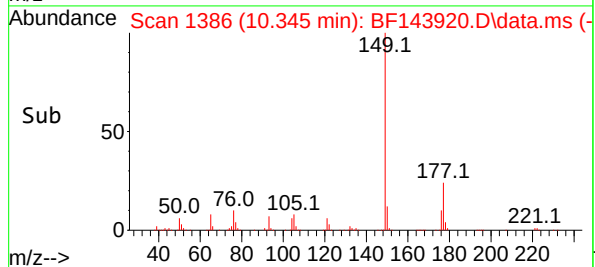
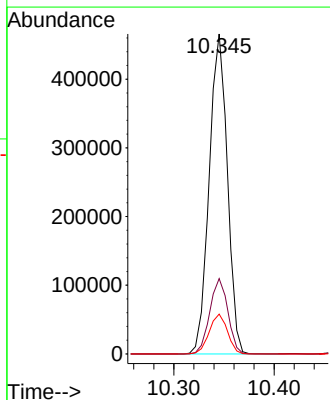
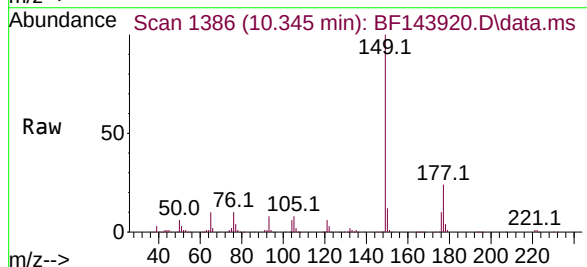
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

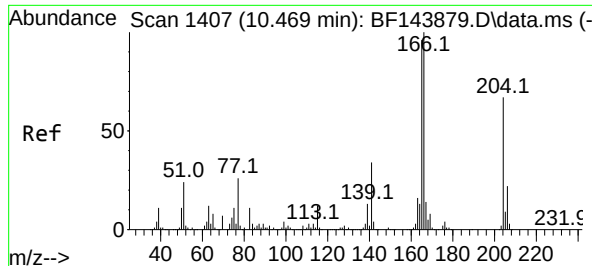
Tgt Ion:232 Resp: 154350
Ion Ratio Lower Upper
232 100
131 43.8 34.9 52.3
130 1.6 1.6 2.4#
166 28.2 22.0 33.0



#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

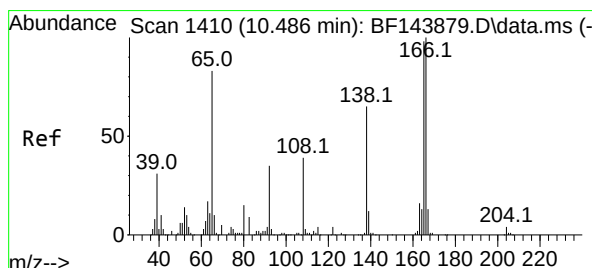
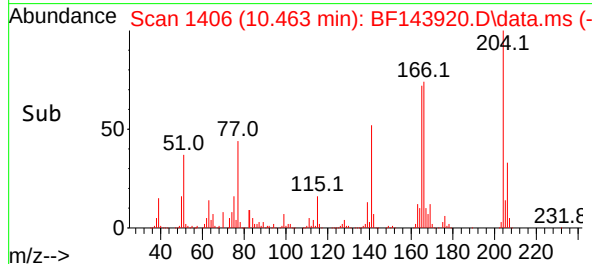
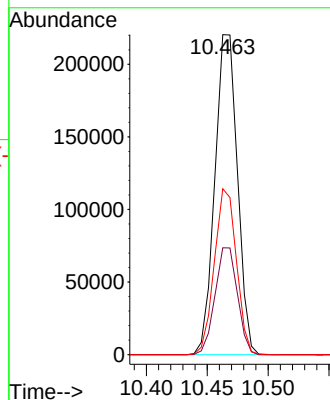
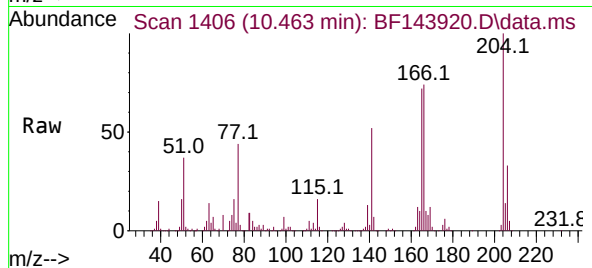




#61
4-Chlorophenyl-phenylether
Concen: 40.571 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

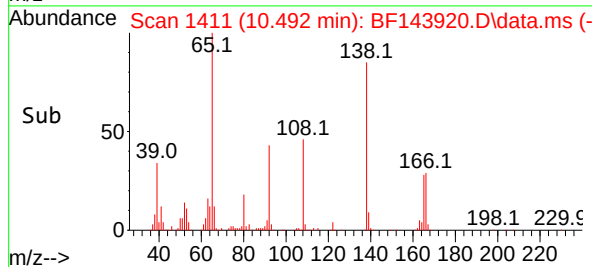
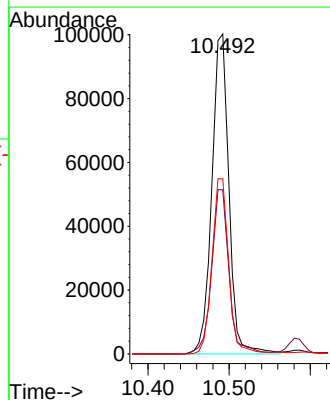
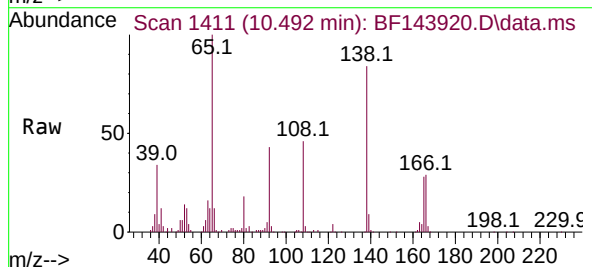
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

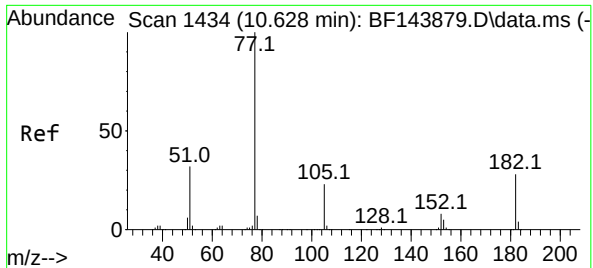
Tgt Ion:204 Resp: 284601
Ion Ratio Lower Upper
204 100
206 33.4 26.6 40.0
141 51.8 40.4 60.6



#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



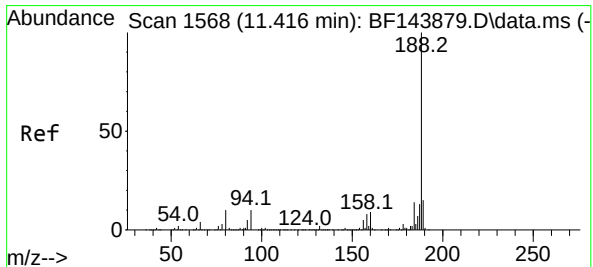
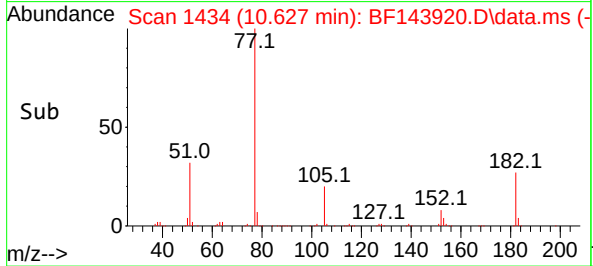
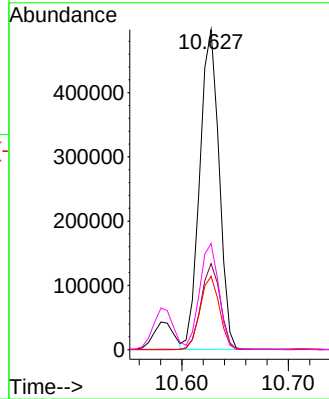
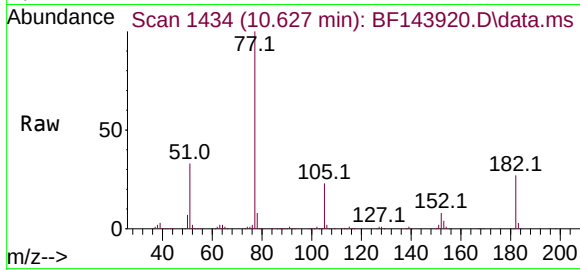


#63
Azobenzene
Concen: 41.495 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 626735

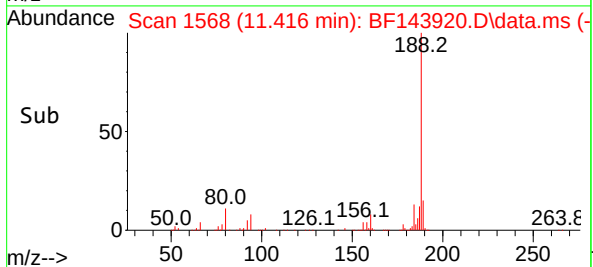
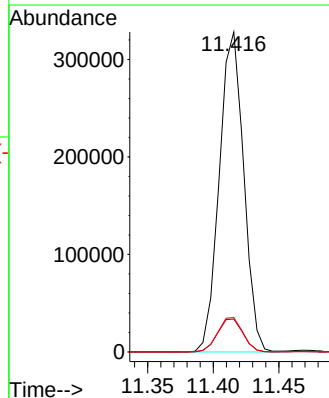
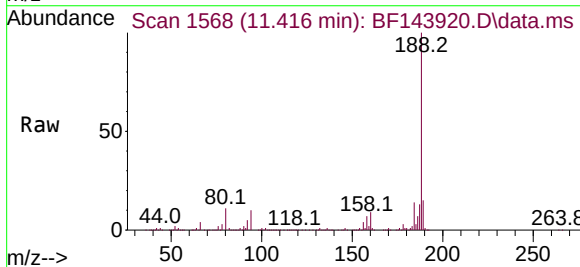
Ion	Ratio	Lower	Upper
77	100		
182	26.9	7.3	47.3
105	22.9	3.0	43.0
51	33.1	13.5	53.5

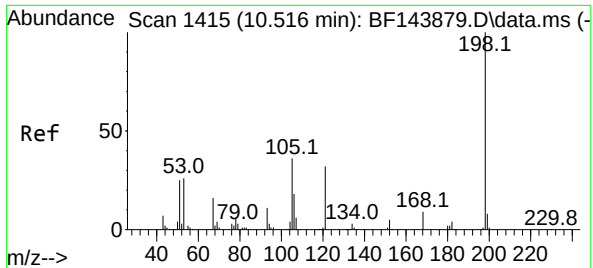


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

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

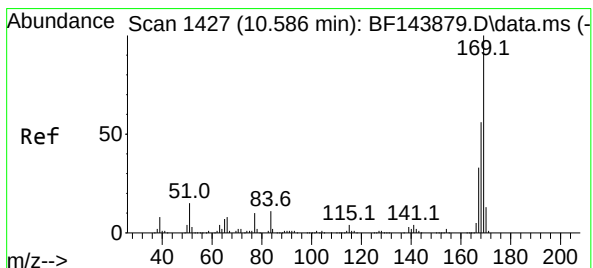
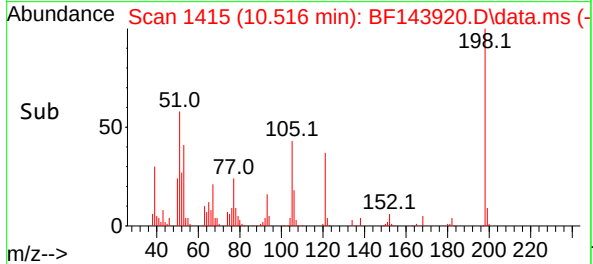
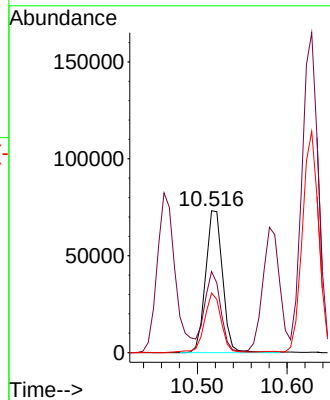
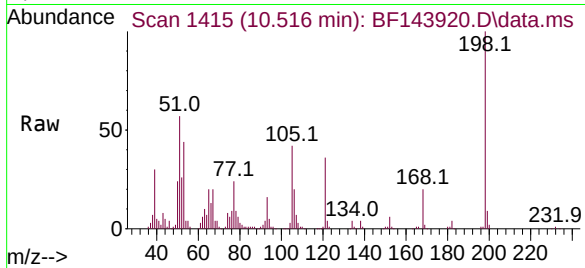




#65
4,6-Dinitro-2-methylphenol
Concen: 45.075 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

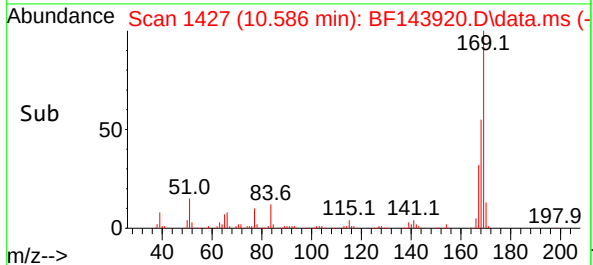
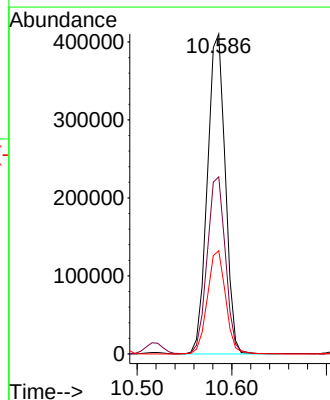
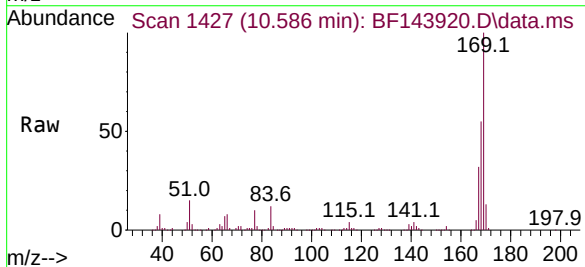
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

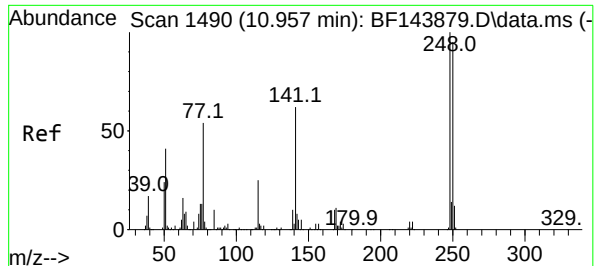
Tgt Ion	Ratio	Lower	Upper
198	100		
51	57.2	33.8	73.8
105	42.1	17.0	57.0



#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	Ratio	Lower	Upper
169	100		
168	55.3	44.9	67.3
167	32.2	26.3	39.5

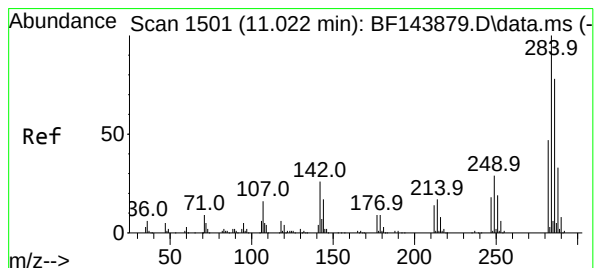
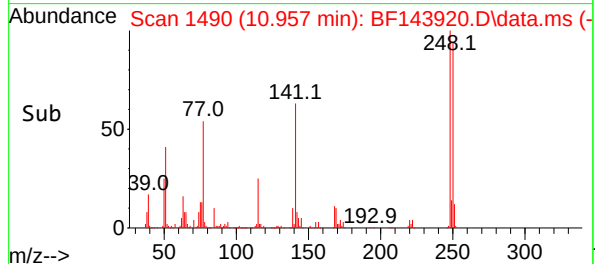
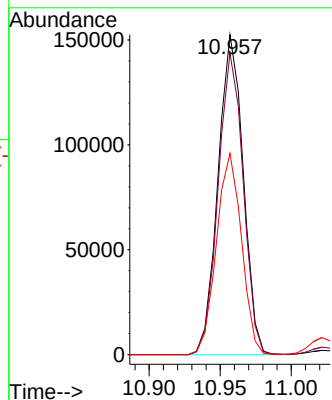
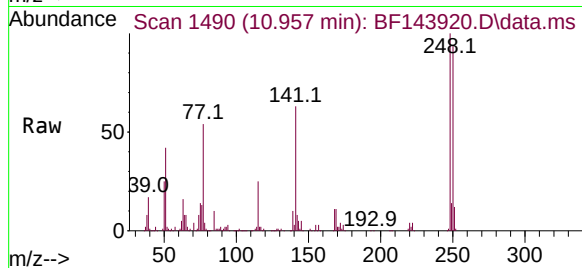




#67
4-Bromophenyl-phenylether
Concen: 39.932 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

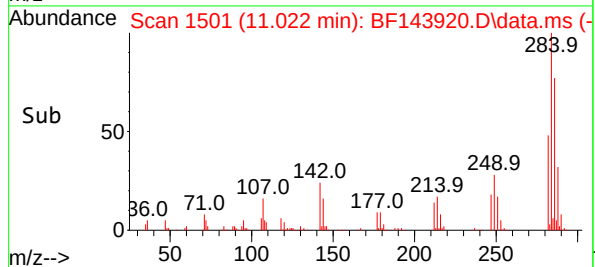
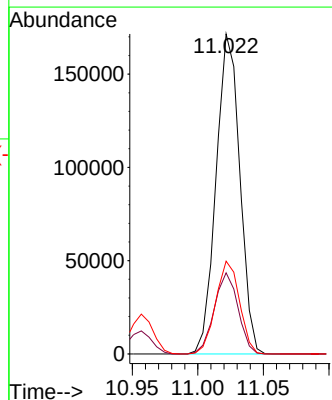
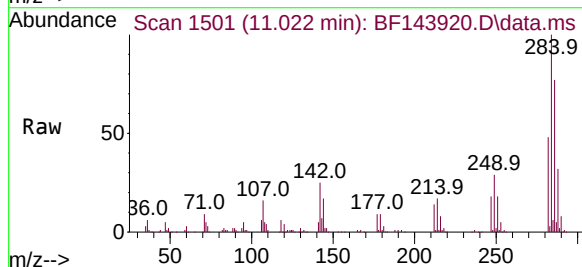
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

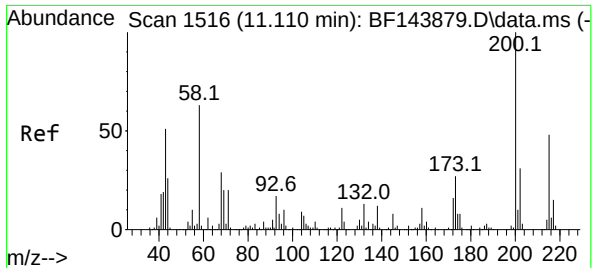
Tgt Ion:248 Resp: 187909
Ion Ratio Lower Upper
248 100
250 94.3 76.3 114.5
141 62.9 49.7 74.5



#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# 1516

Delta R.T. -0.012 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

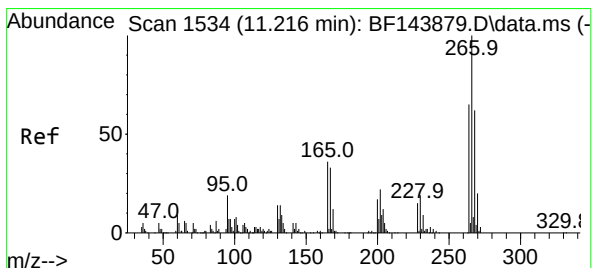
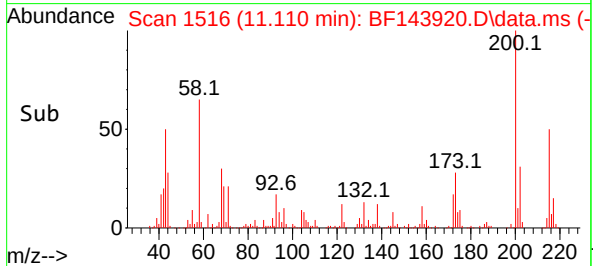
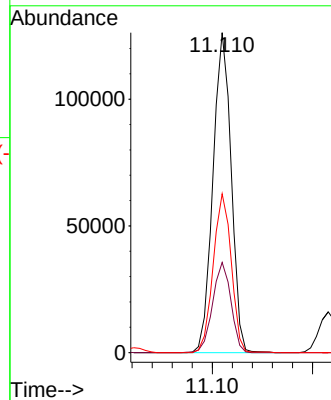
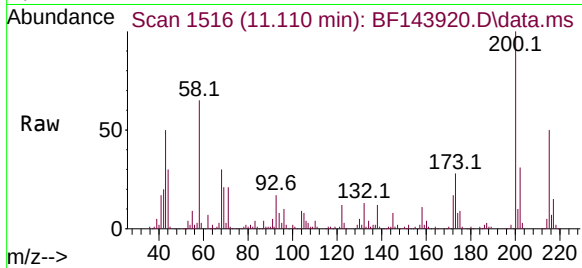
Tgt Ion:200 Resp: 158847

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

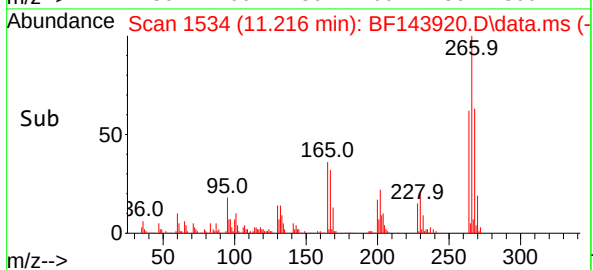
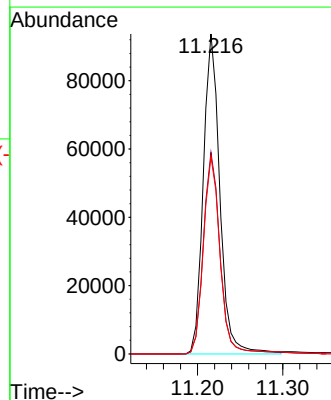
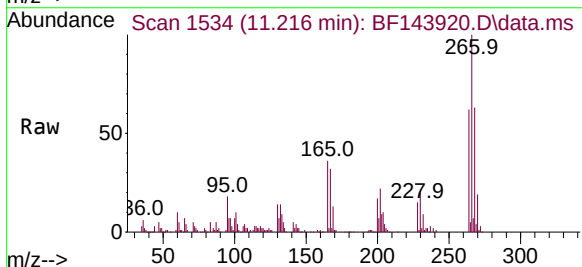
Tgt Ion:266 Resp: 126577

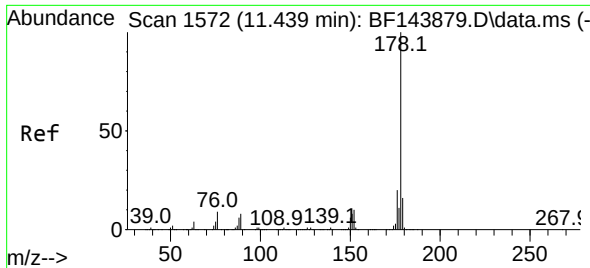
Ion Ratio Lower Upper

266 100

268 63.0 49.4 74.0

264 61.6 51.8 77.6

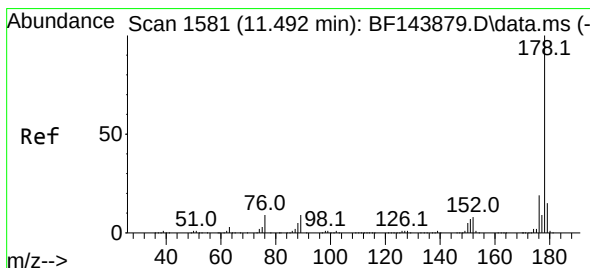
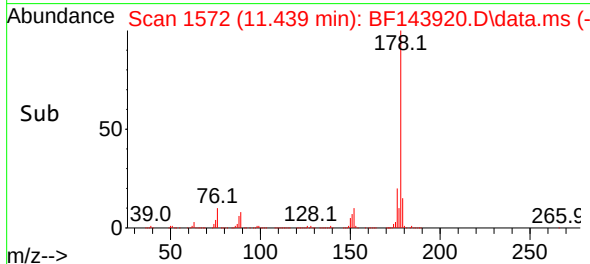
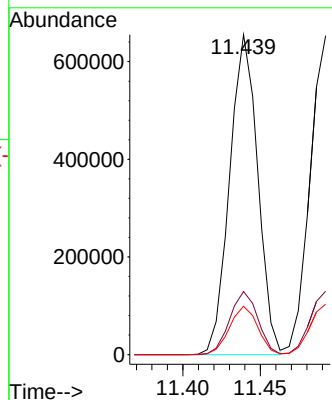
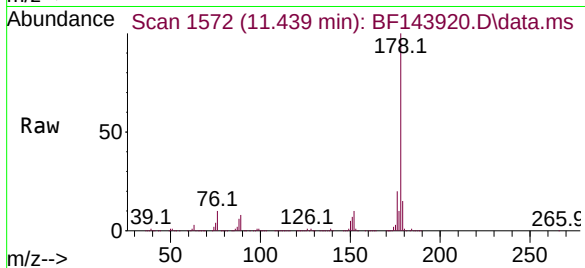




#71
Phenanthrene
Concen: 39.994 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

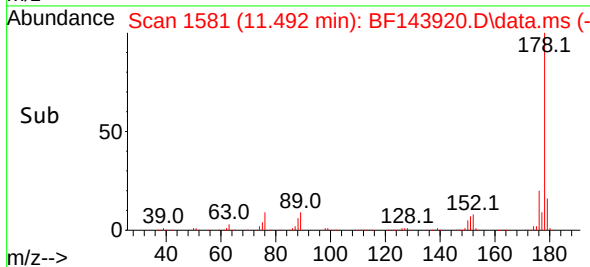
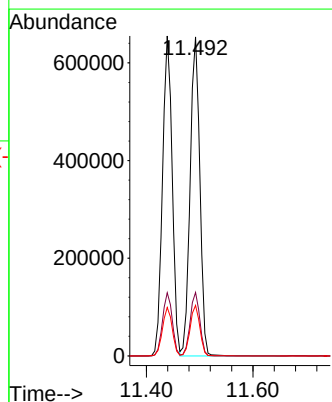
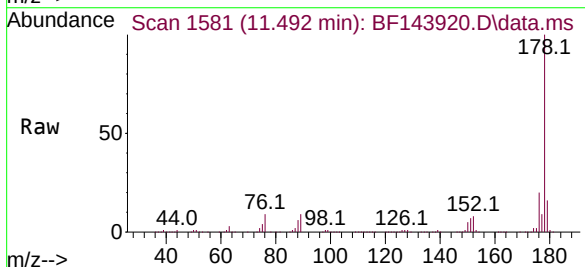
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

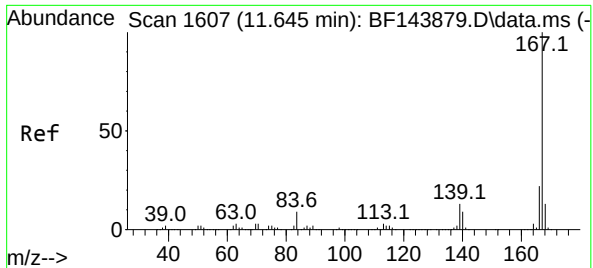
Tgt Ion:178 Resp: 825590
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.1 12.4 18.6



#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

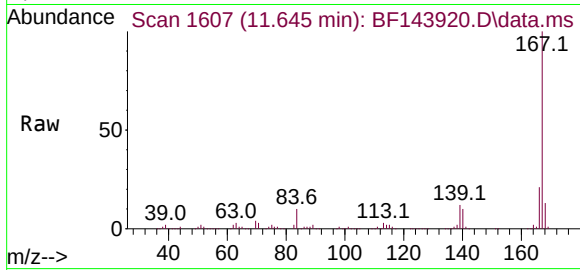
Tgt Ion:178 Resp: 828392
Ion Ratio Lower Upper
178 100
176 19.9 14.9 22.3
179 15.8 12.2 18.2



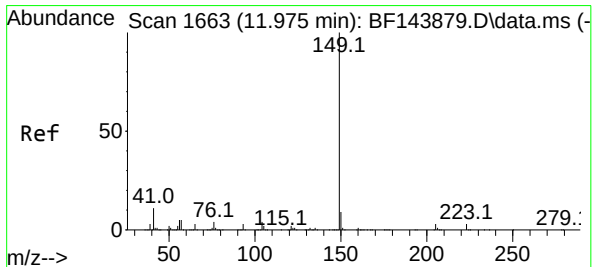
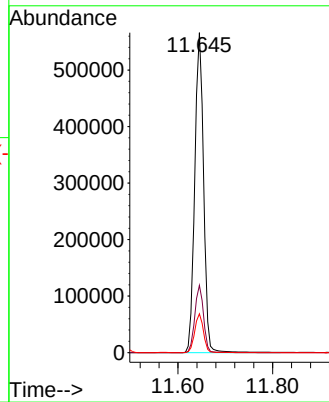
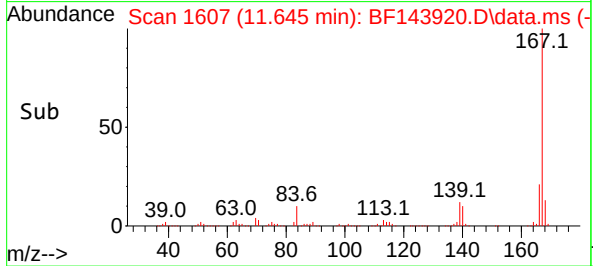


#73
Carbazole
Concen: 39.723 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

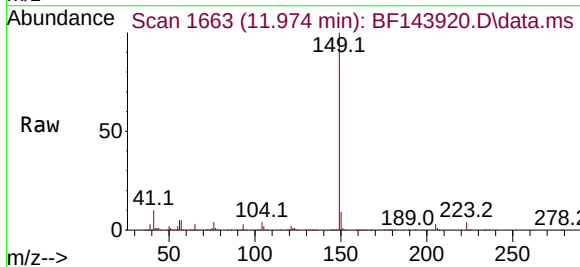
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



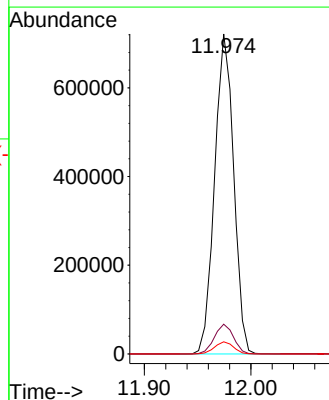
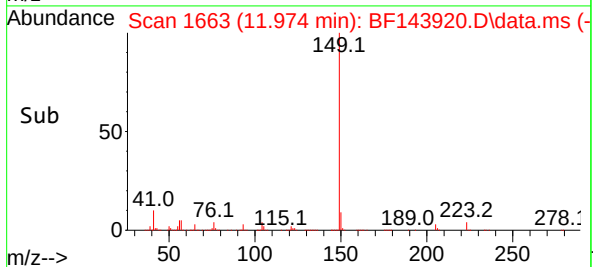
Tgt Ion:167 Resp: 733671
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 12.1 10.1 15.1

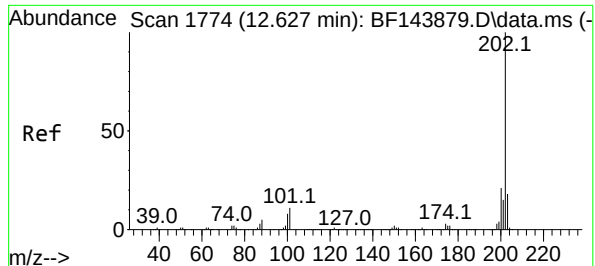


#74
Di-n-butylphthalate
Concen: 41.974 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32



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# 11

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

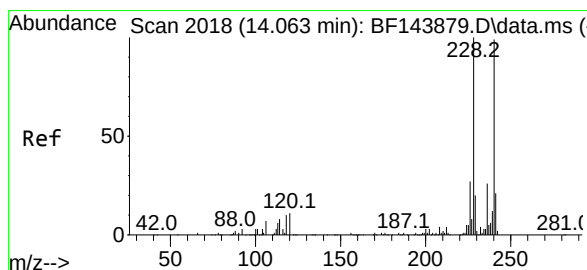
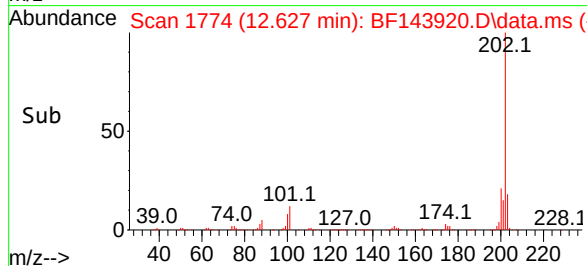
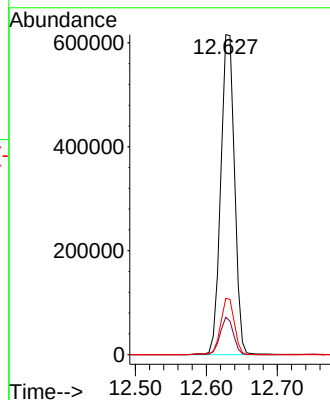
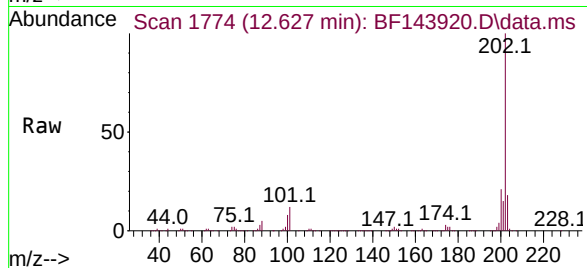
Tgt Ion:202 Resp: 834267

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

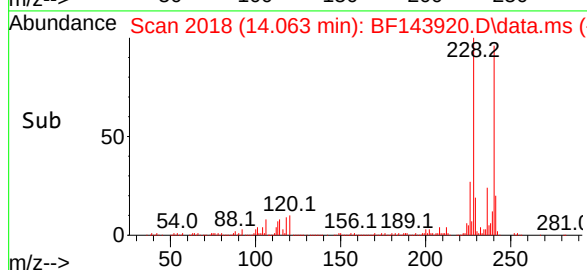
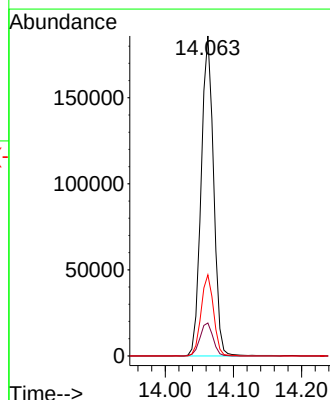
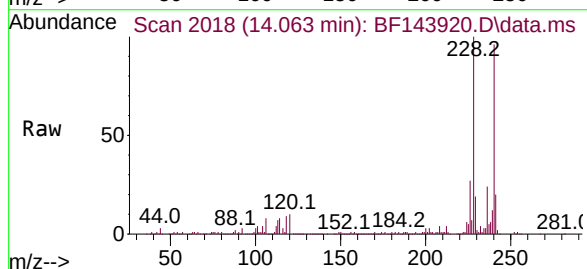
Tgt Ion:240 Resp: 235995

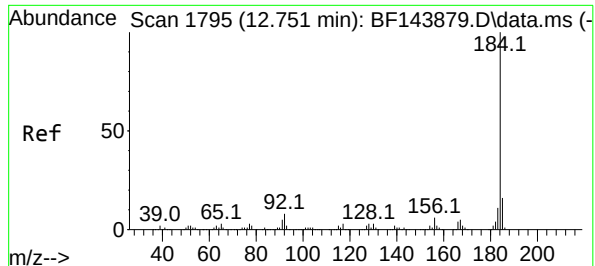
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

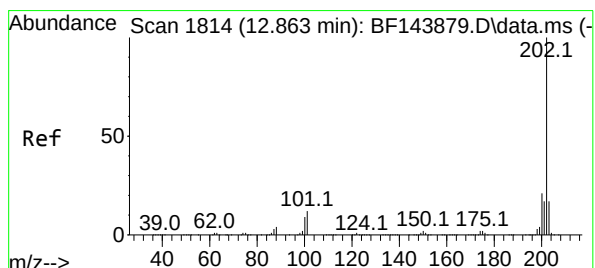
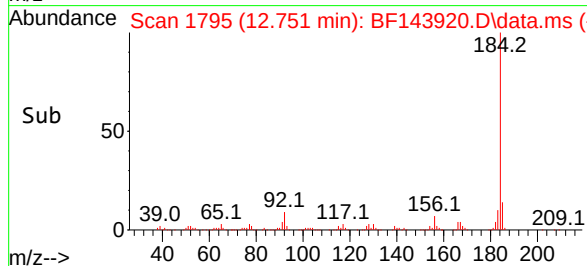
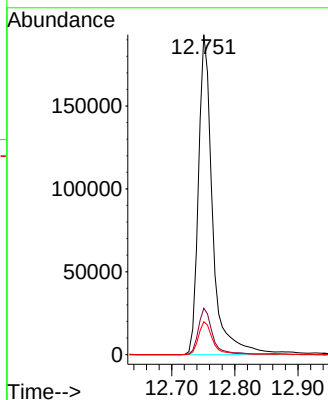
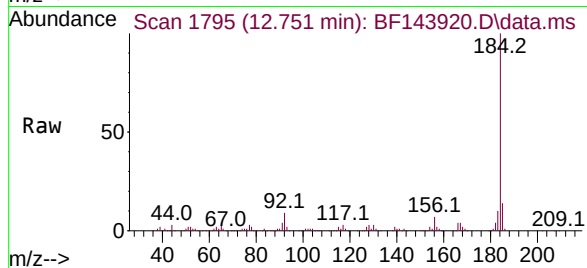
Tgt Ion:184 Resp: 300900

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

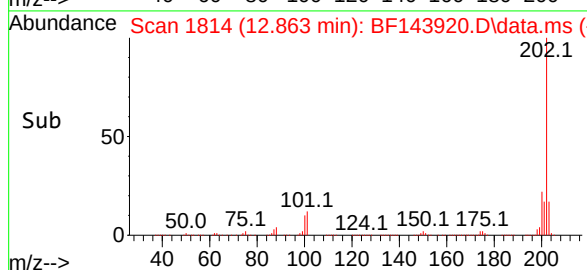
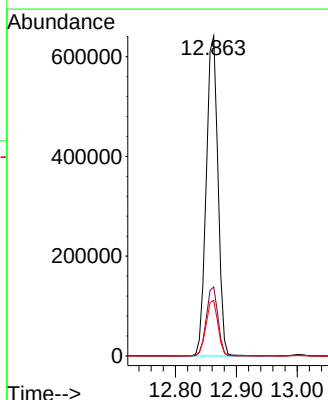
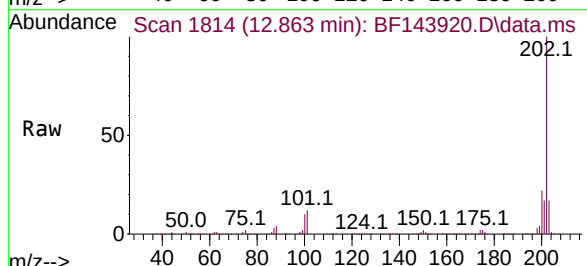
Tgt Ion:202 Resp: 857937

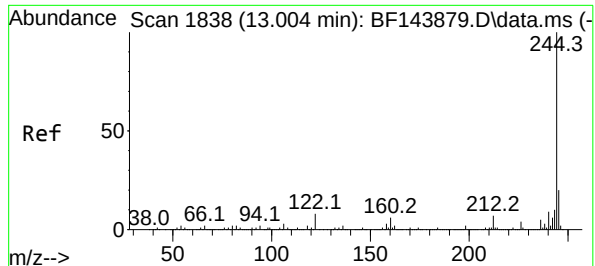
Ion Ratio Lower Upper

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# 1838

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

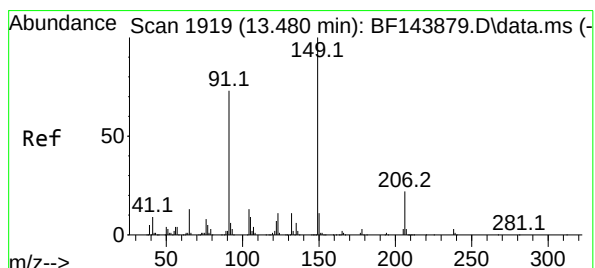
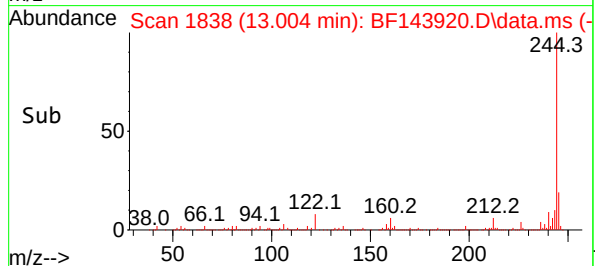
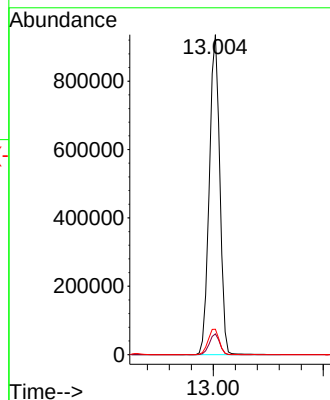
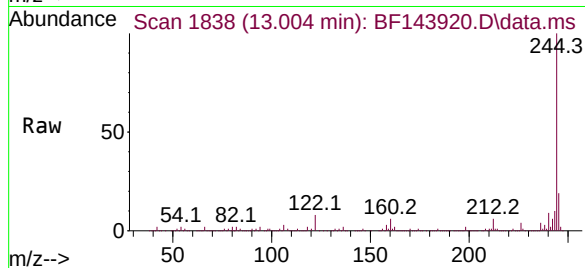
Tgt Ion:244 Resp: 1238608

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

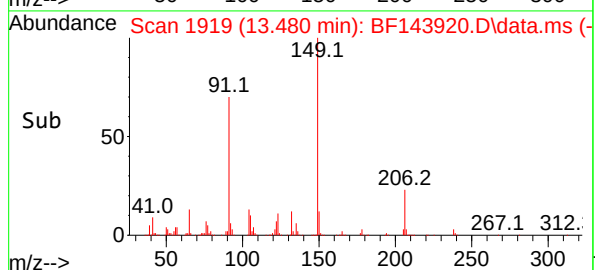
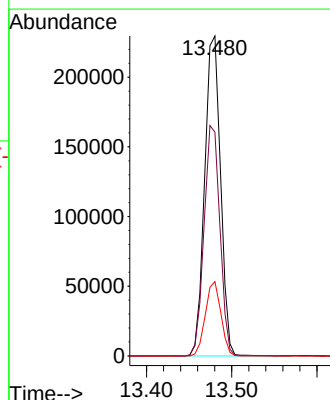
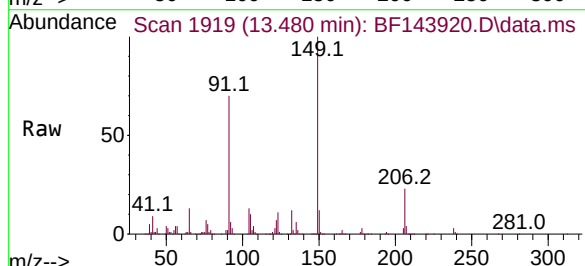
Tgt Ion:149 Resp: 297395

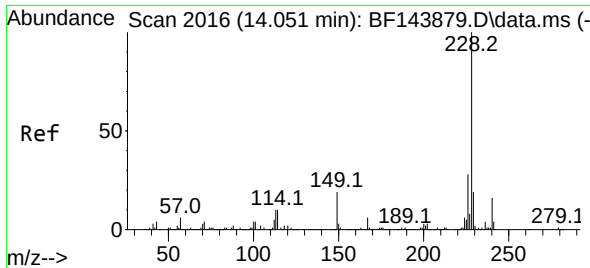
Ion Ratio Lower Upper

149 100

91 69.9 58.2 87.2

206 23.2 17.9 26.9

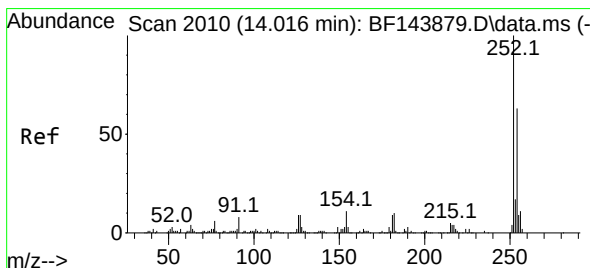
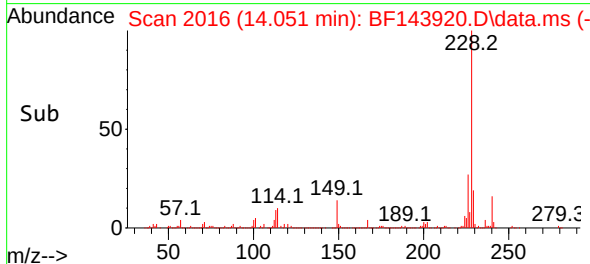
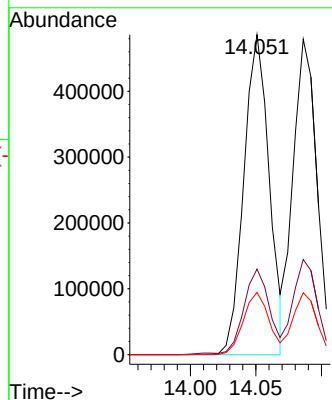
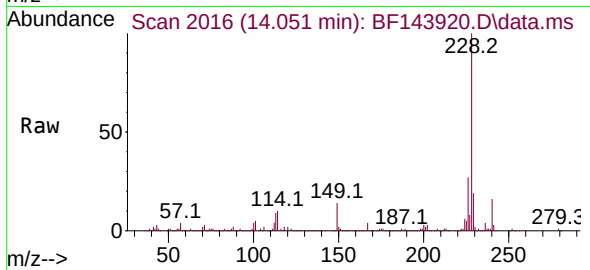




#81
Benzo(a)anthracene
Concen: 42.353 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

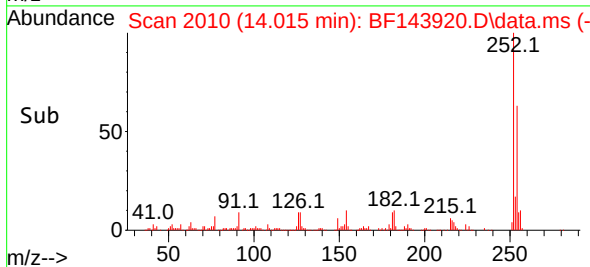
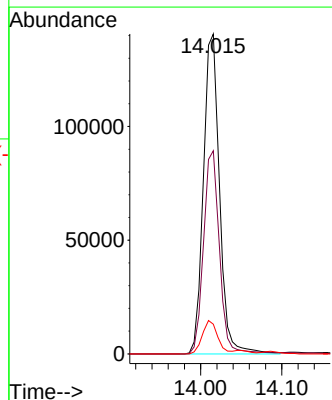
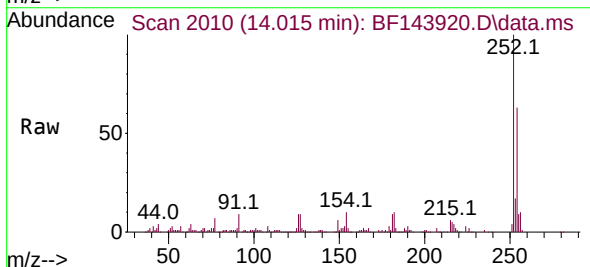
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

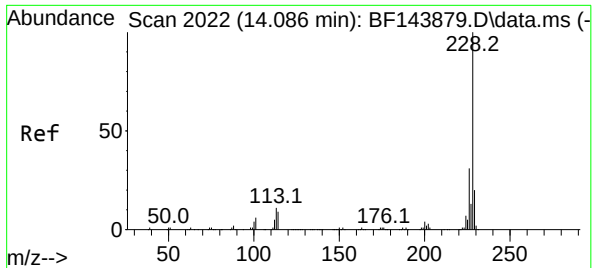
Tgt Ion:228 Resp: 654087
Ion Ratio Lower Upper
228 100
226 26.7 22.2 33.2
229 19.4 15.6 23.4



#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

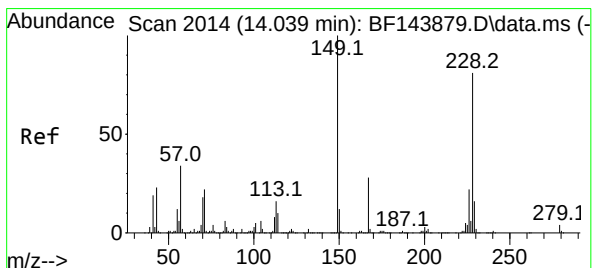
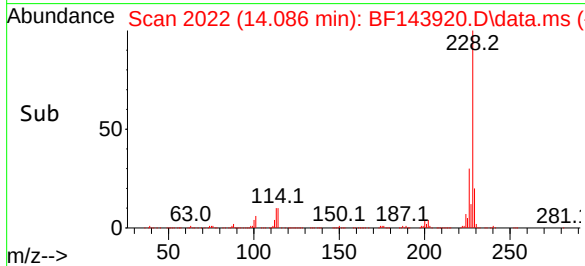
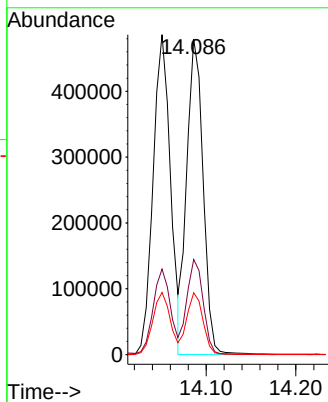
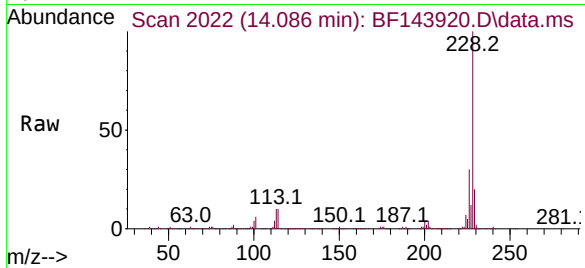




#83
Chrysene
Concen: 42.409 ng
RT: 14.086 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

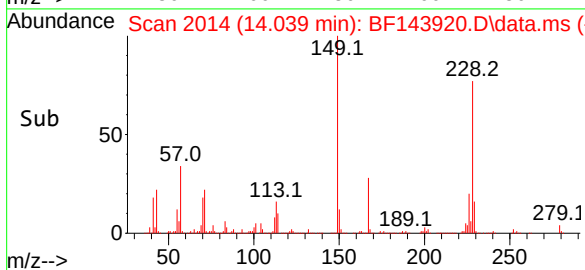
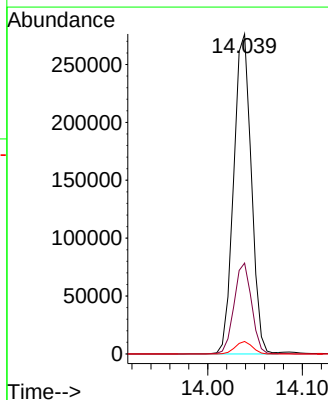
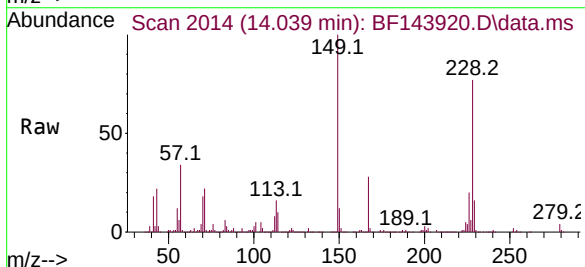
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

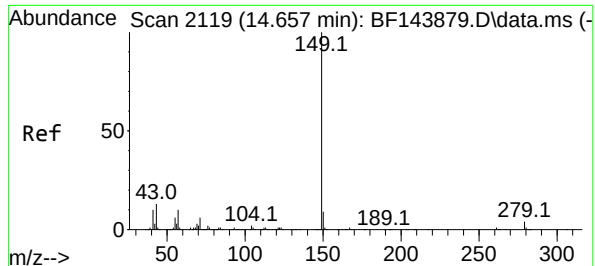
Tgt Ion:228 Resp: 606175
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 19.6 15.9 23.9



#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# 2118

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

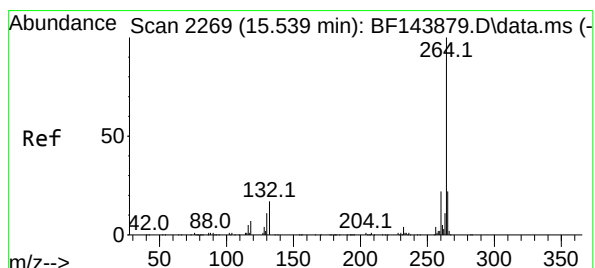
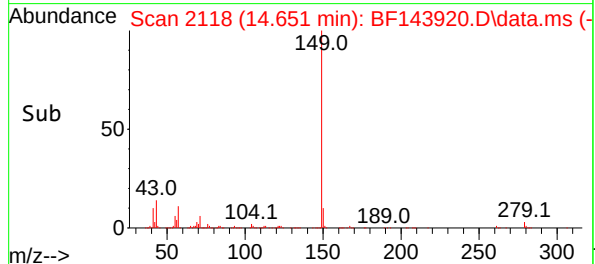
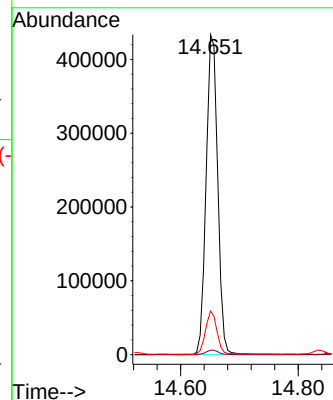
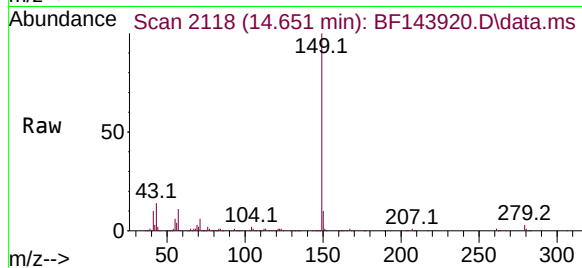
Tgt Ion:149 Resp: 592380

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

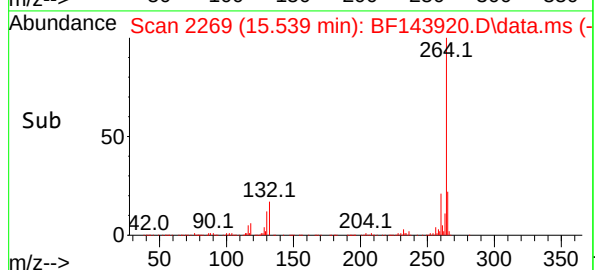
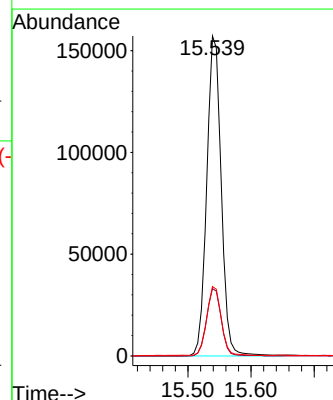
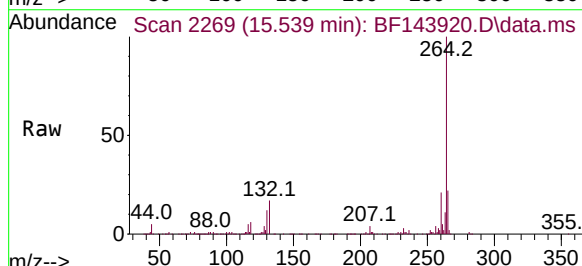
Tgt Ion:264 Resp: 249897

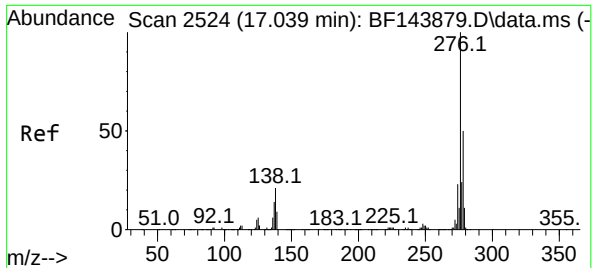
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.012 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

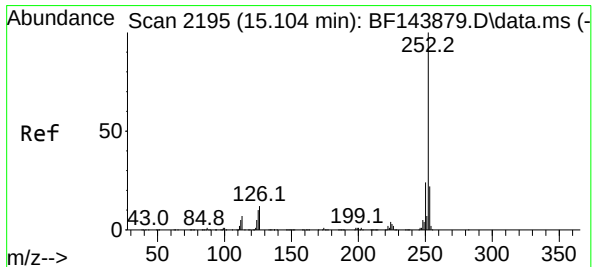
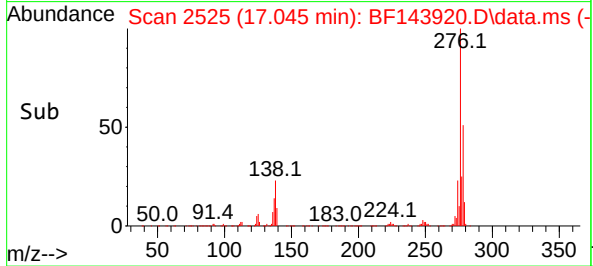
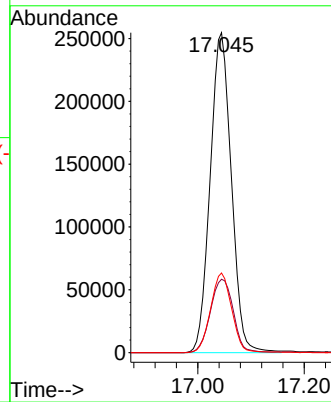
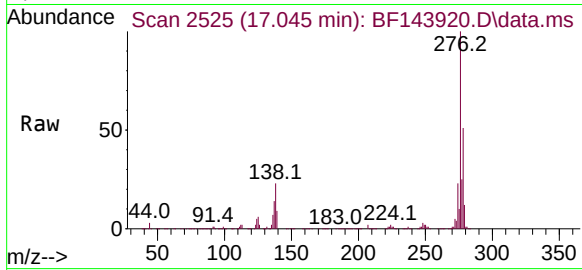
Tgt Ion:276 Resp: 702772

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

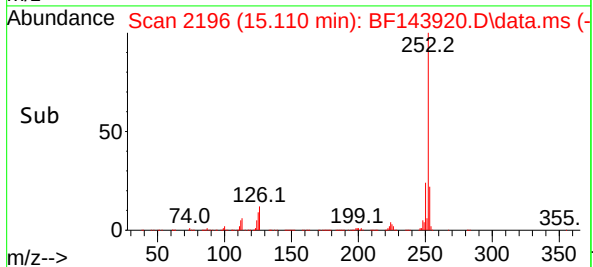
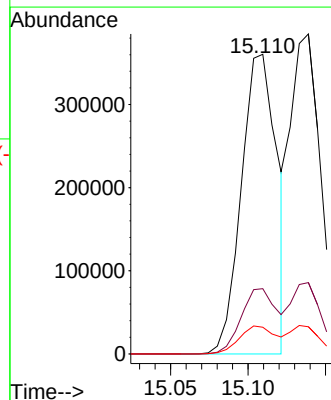
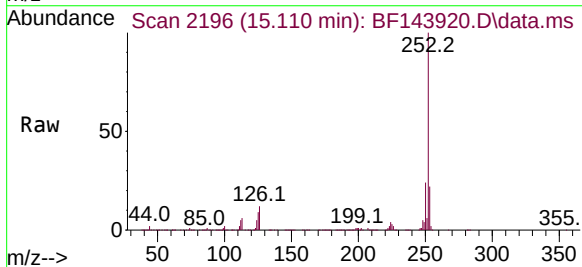
Tgt Ion:252 Resp: 575910

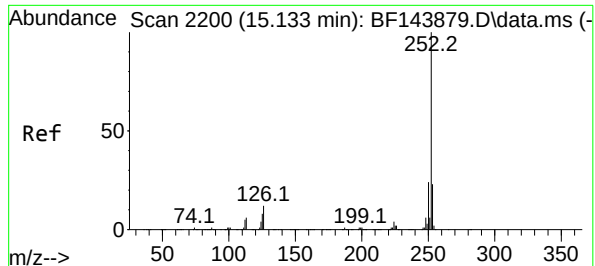
Ion Ratio Lower Upper

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# 2200

Delta R.T. -0.006 min

Lab File: BF143920.D

Acq: 10 Oct 2025 12:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

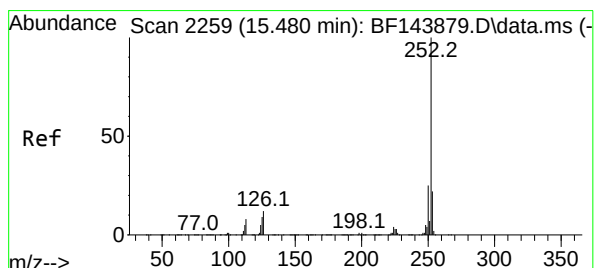
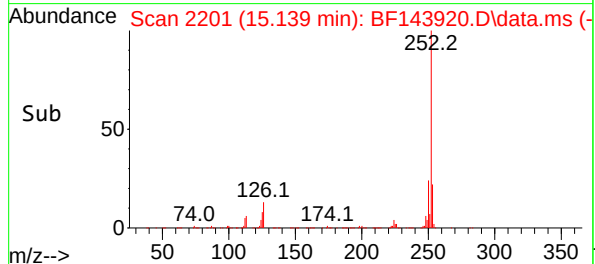
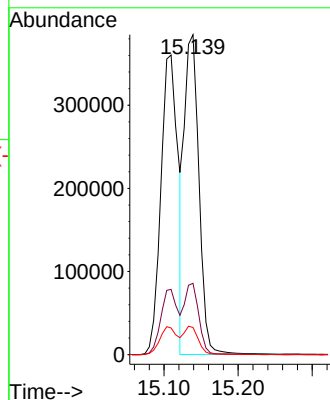
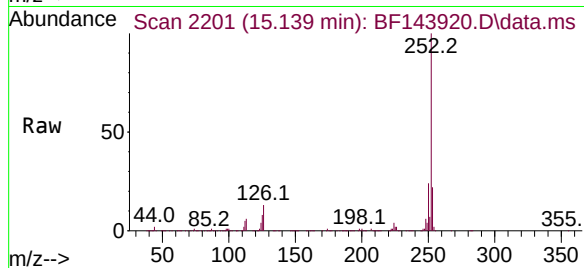
Tgt Ion:252 Resp: 529146

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

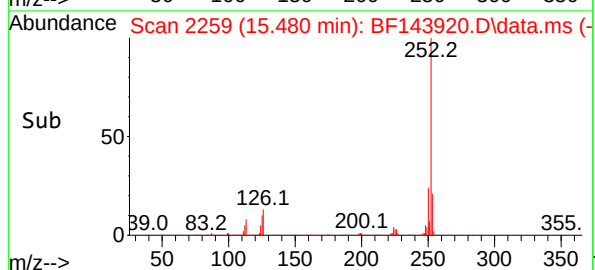
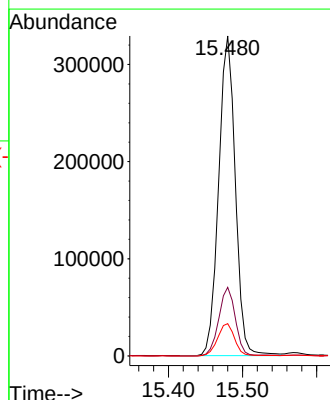
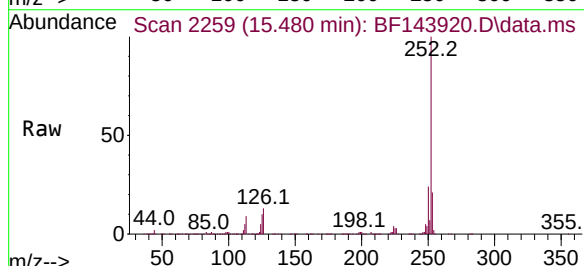
Tgt Ion:252 Resp: 514292

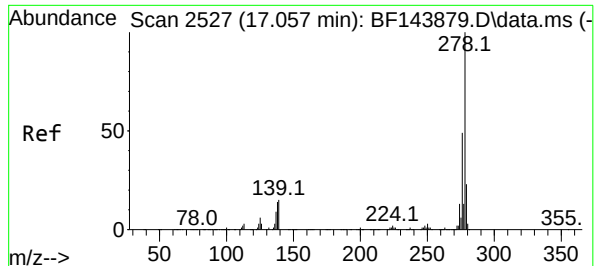
Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

125 10.1 7.0 10.4

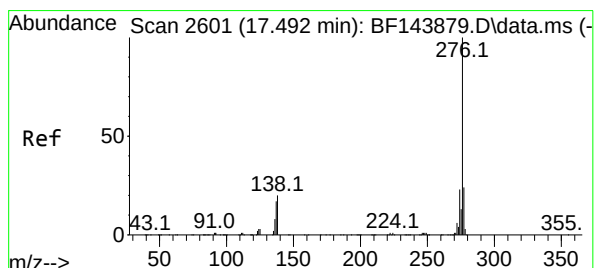
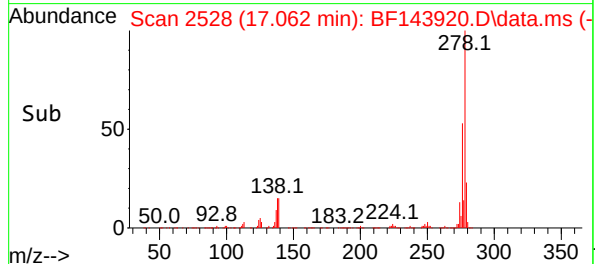
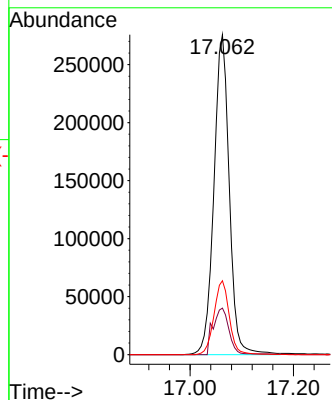
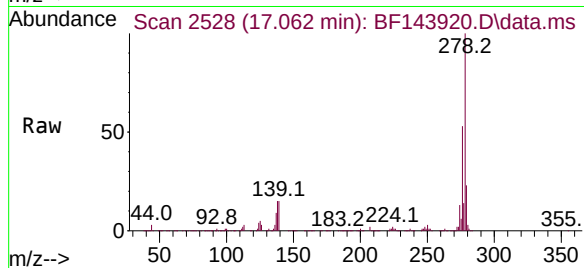




#91
Dibenzo(a,h)anthracene
Concen: 46.200 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143920.D
Acq: 10 Oct 2025 12:32

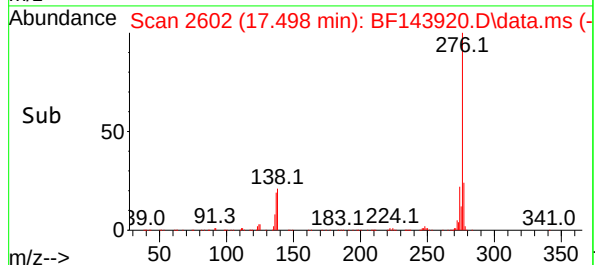
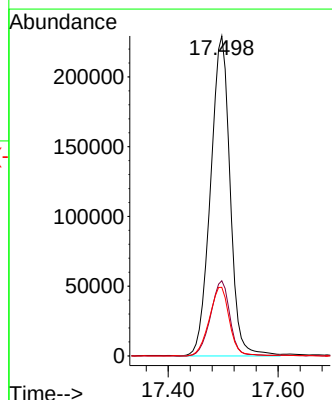
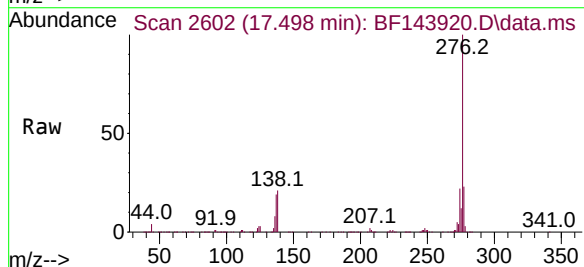
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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	Benzydine	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
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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
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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	Benzydine	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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/14/2025 13:57</u>
Lab File ID:	<u>BF143946.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (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	



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.

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
 ClientSampleId :
 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

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

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
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

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

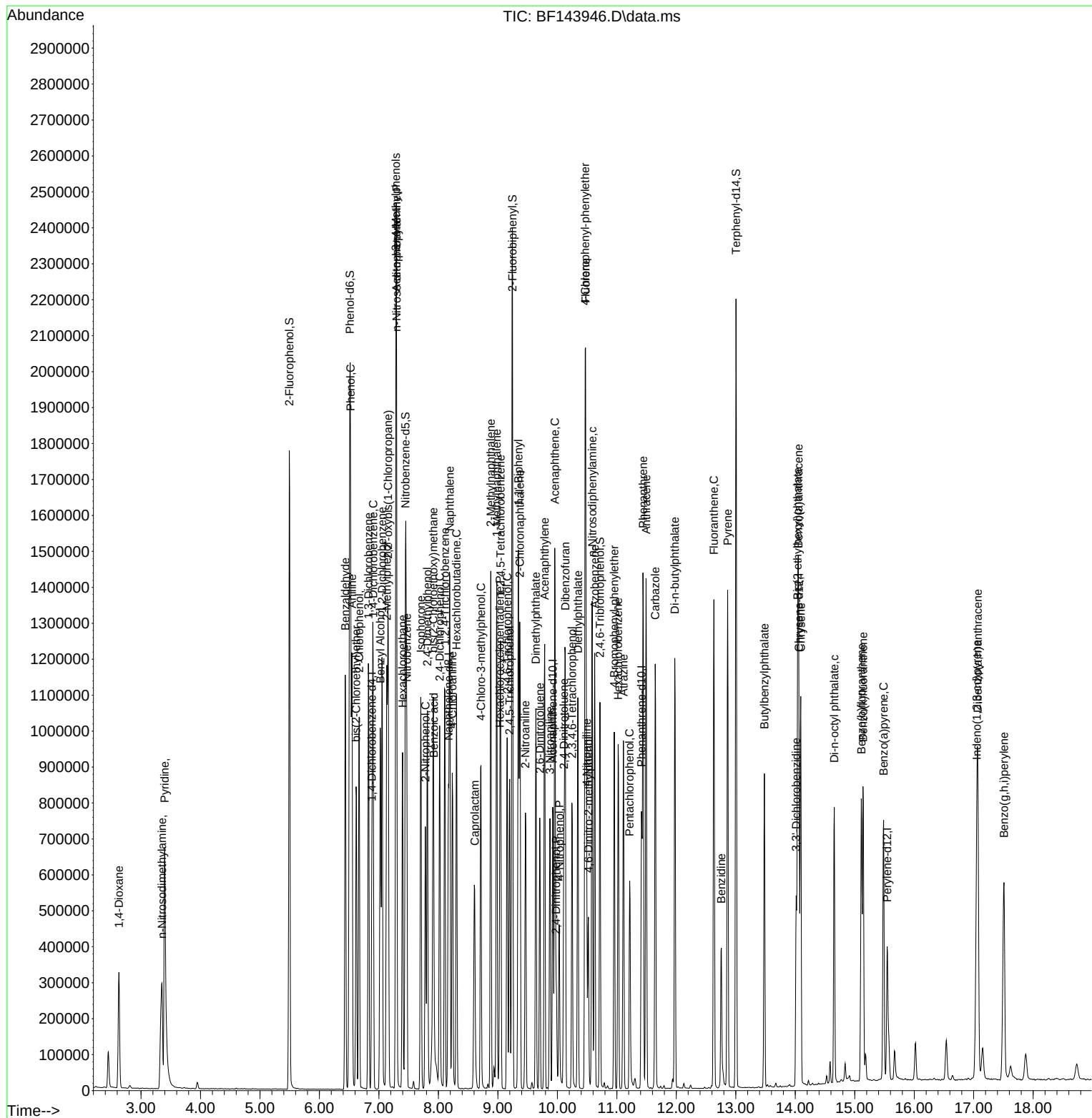
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	211314	41.502	ng	99
46) 1,1'-Biphenyl	9.345	154	641629	40.618	ng	99
47) 2-Chloronaphthalene	9.369	162	540831	41.064	ng	97
48) 2-Nitroaniline	9.463	65	188709	45.320	ng	98
49) Acenaphthylene	9.786	152	751334	40.578	ng	99
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

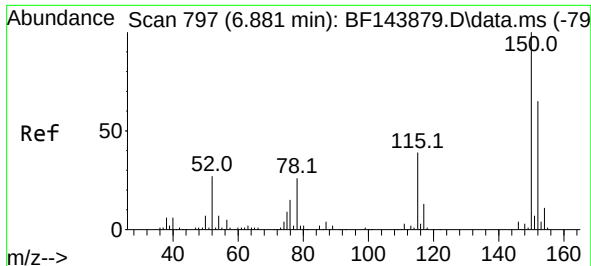
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

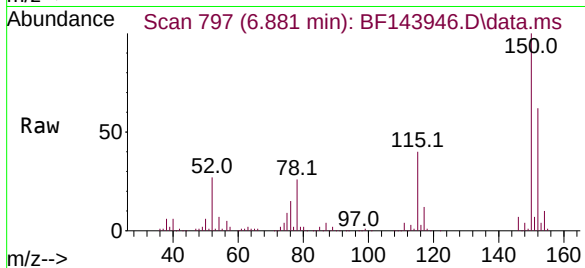
Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

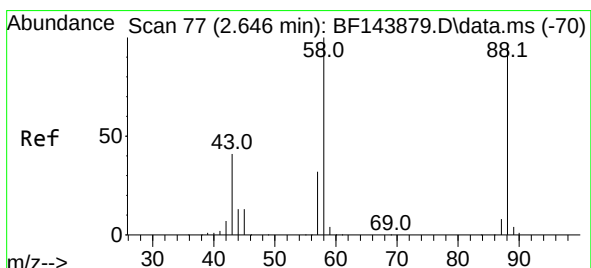
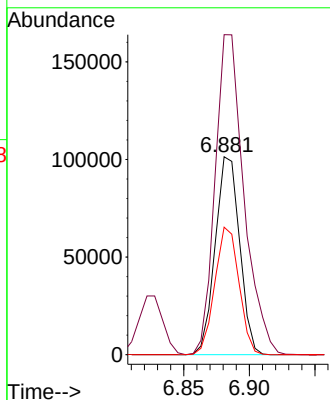
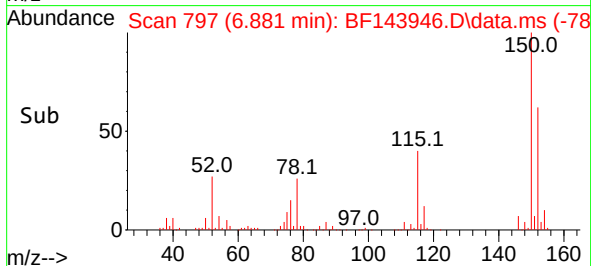
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



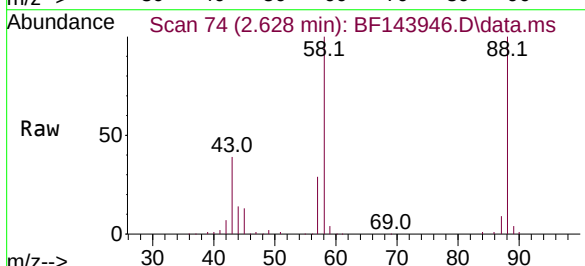
Tgt Ion:152 Resp: 131735
Ion Ratio Lower Upper
152 100
150 161.8 124.4 186.6
115 64.4 48.1 72.1

Manual Integrations
APPROVED

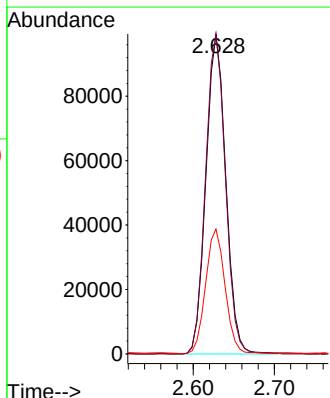
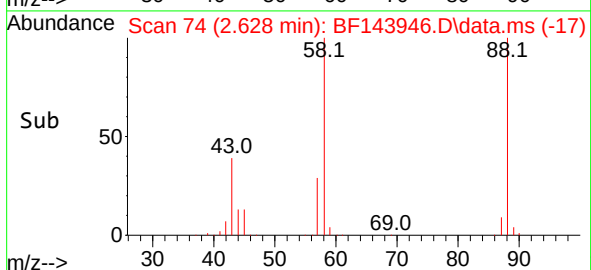
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

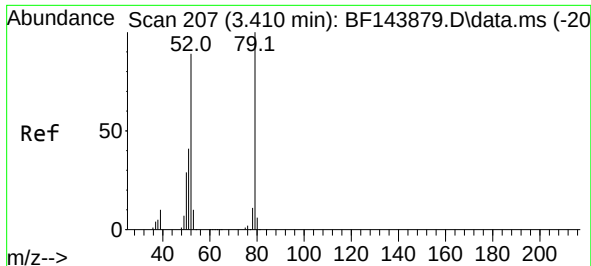


#2
1,4-Dioxane
Concen: 44.024 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



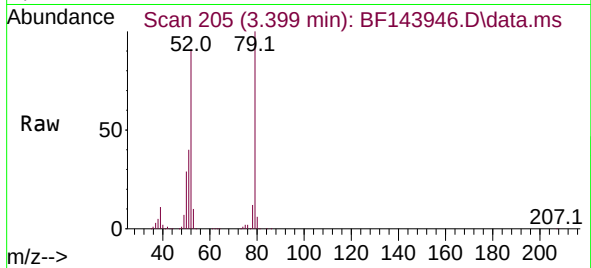
Tgt Ion: 88 Resp: 169001
Ion Ratio Lower Upper
88 100
58 99.9 83.0 124.6
43 38.6 33.9 50.9





#3
Pyridine
Concen: 42.990 ng
RT: 3.399 min Scan# 207
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

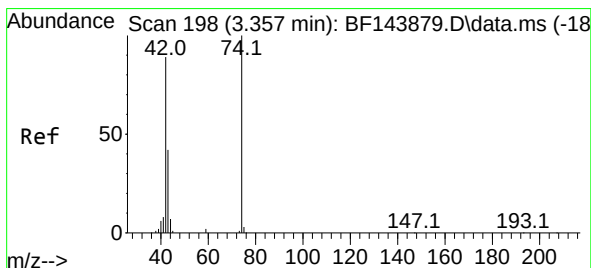
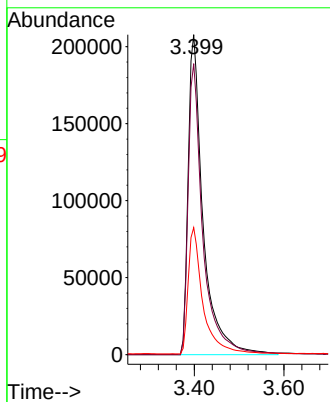
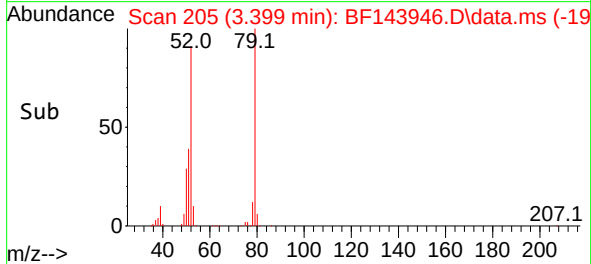
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



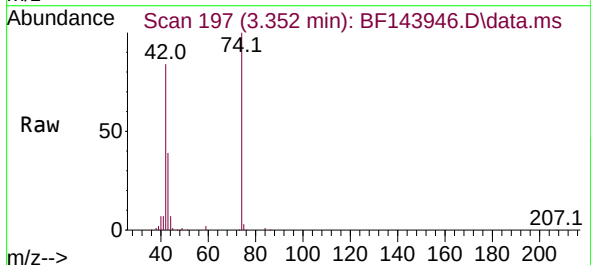
Tgt Ion: 79 Resp: 480430
Ion Ratio Lower Upper
79 100
52 90.9 71.5 107.3
51 39.7 32.9 49.3

Manual Integrations
APPROVED

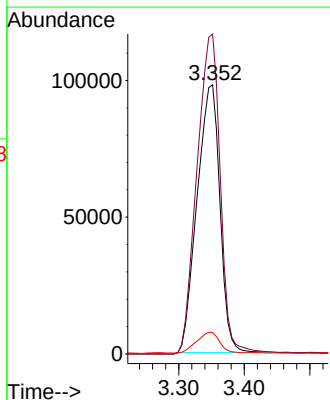
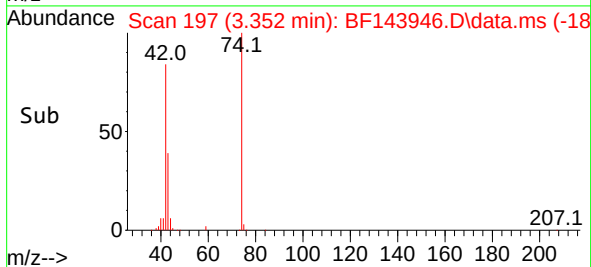
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

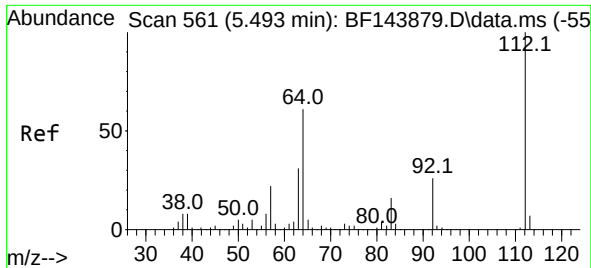


#4
n-Nitrosodimethylamine
Concen: 40.207 ng
RT: 3.352 min Scan# 197
Delta R.T. -0.035 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





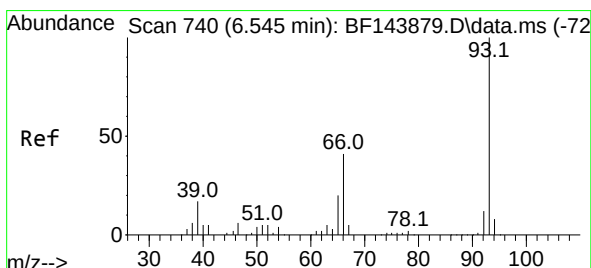
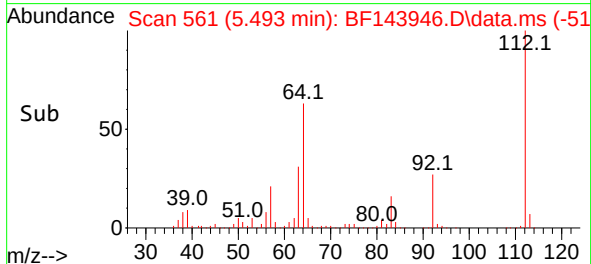
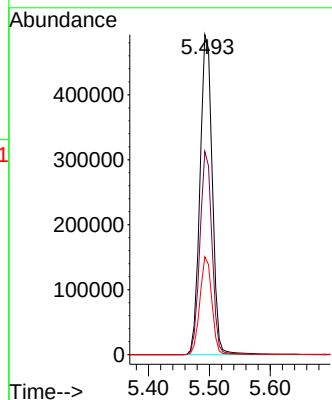
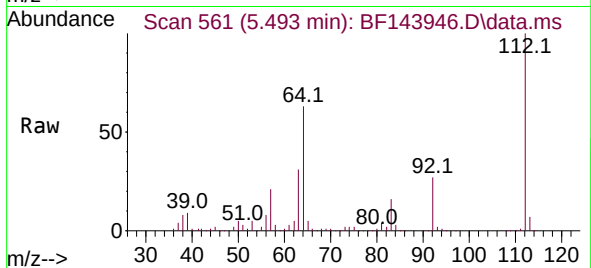
#5
2-Fluorophenol
Concen: 83.226 ng
RT: 5.493 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 690421
Ion Ratio Lower Upper
112 100
64 63.5 49.1 73.7
63 30.6 24.5 36.7

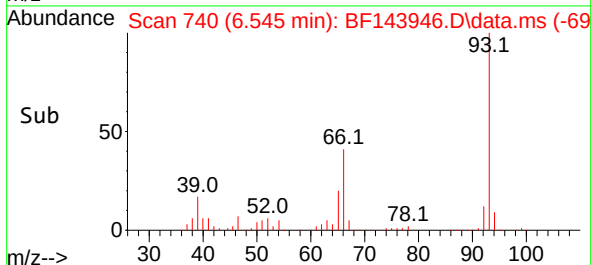
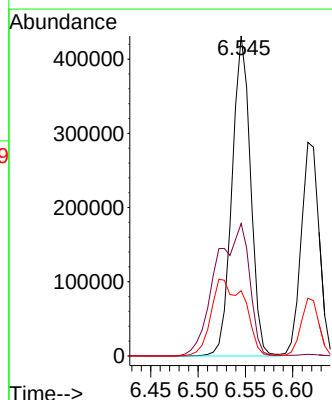
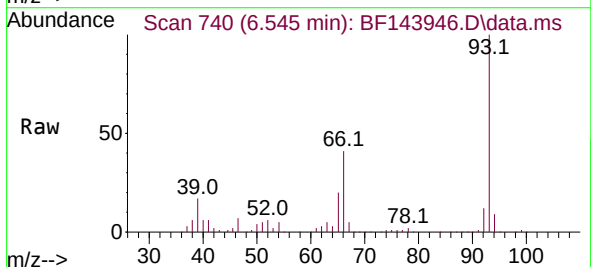
Manual Integrations
APPROVED

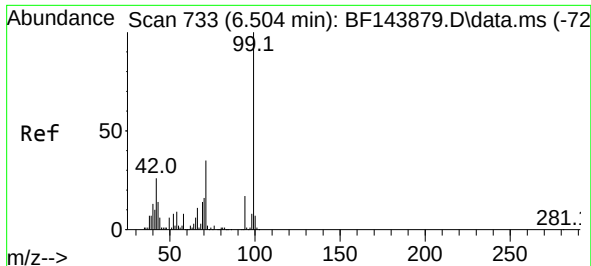
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

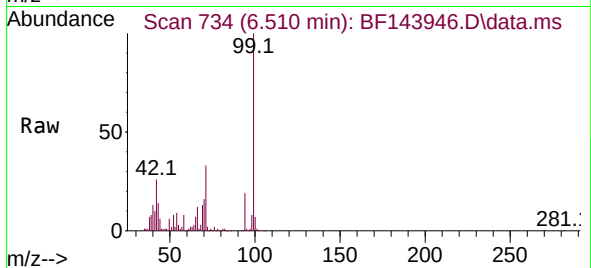
Tgt Ion: 93 Resp: 588388
Ion Ratio Lower Upper
93 100
66 41.4 33.0 49.6
65 20.4 15.8 23.8





#7
Phenol-d6
Concen: 82.116 ng
RT: 6.510 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

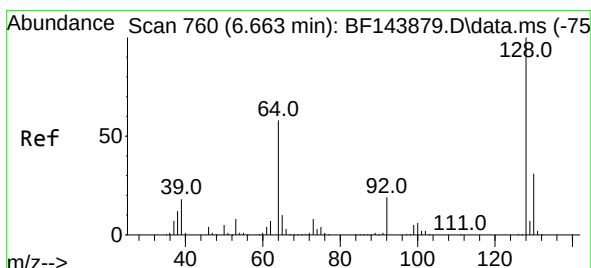
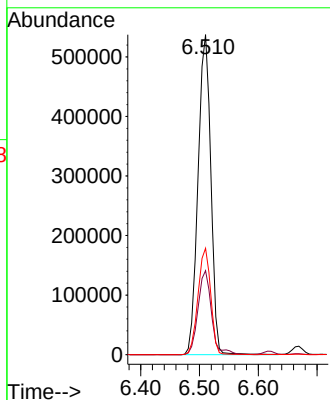
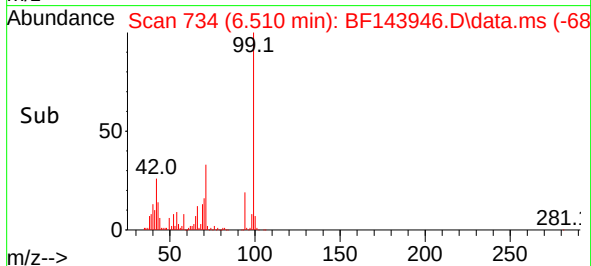
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



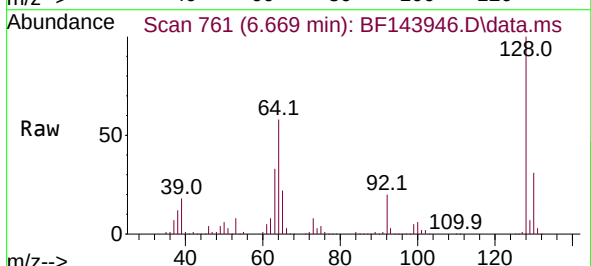
Tgt Ion: 99 Resp: 811974
Ion Ratio Lower Upper
99 100
42 26.2 21.0 31.4
71 33.2 27.8 41.8

Manual Integrations
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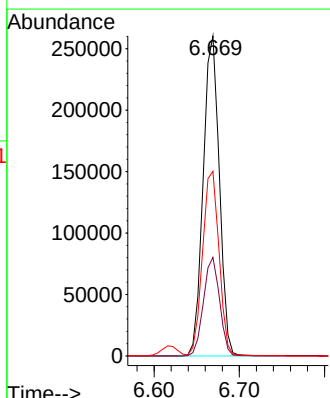
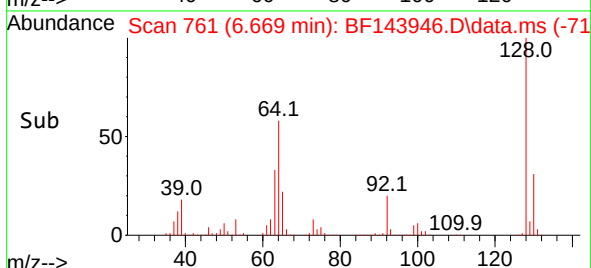
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

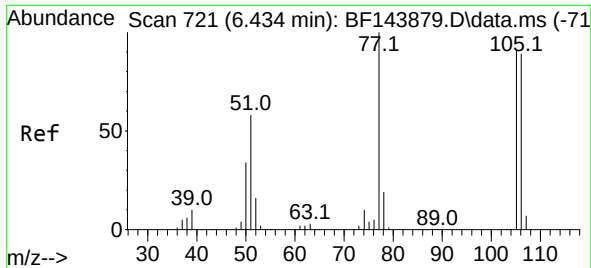


#8
2-Chlorophenol
Concen: 42.289 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



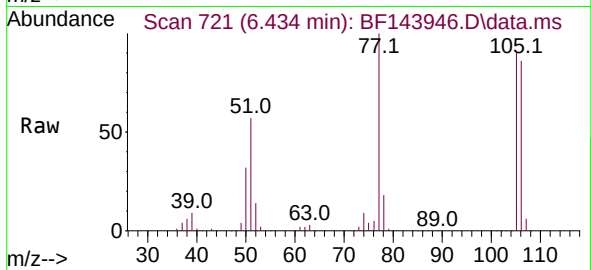
Tgt Ion:128 Resp: 342924
Ion Ratio Lower Upper
128 100
130 30.8 10.7 50.7
64 57.7 39.0 79.0





#9
Benzaldehyde
Concen: 42.575 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

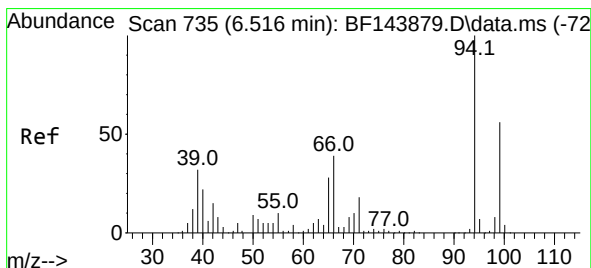
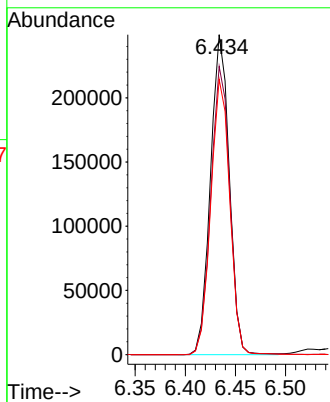
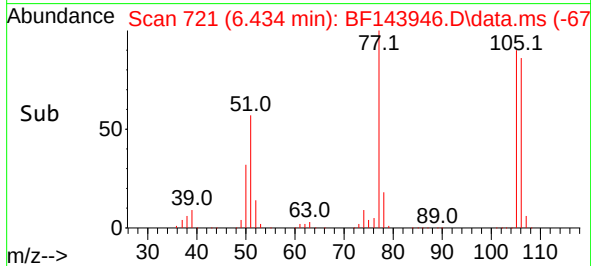
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



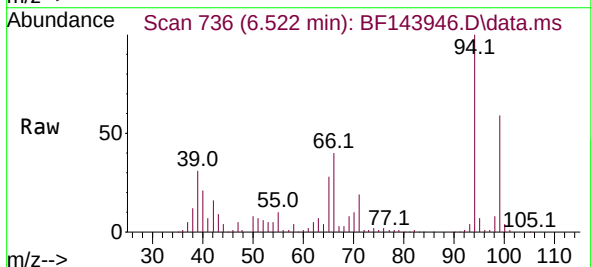
Tgt Ion: 77 Resp: 324748
Ion Ratio Lower Upper
77 100
105 90.1 70.9 110.9
106 86.0 68.9 108.9

Manual Integrations
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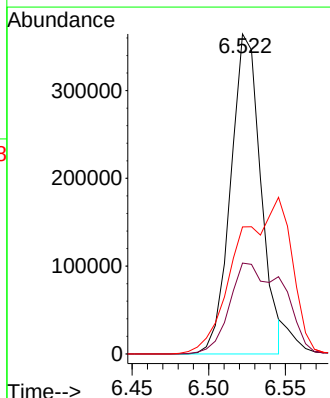
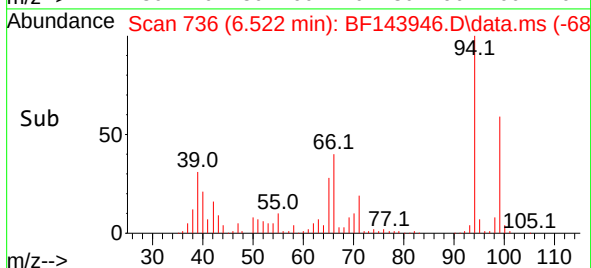
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

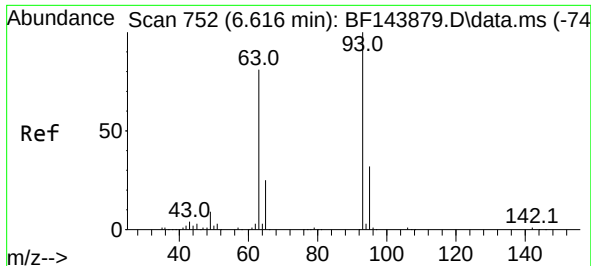


#10
Phenol
Concen: 42.151 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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# 752
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

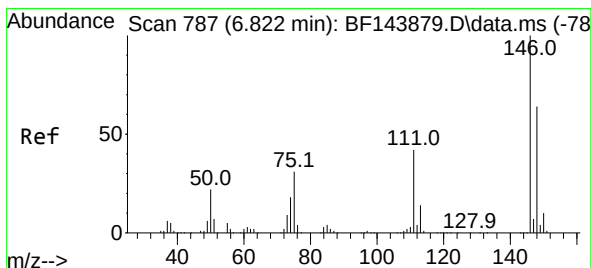
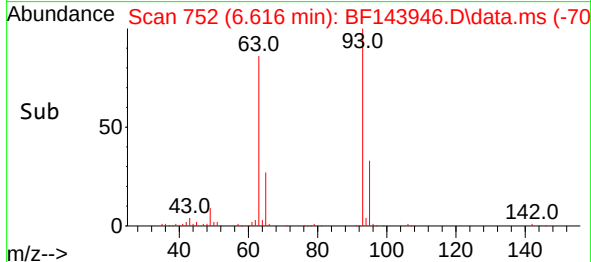
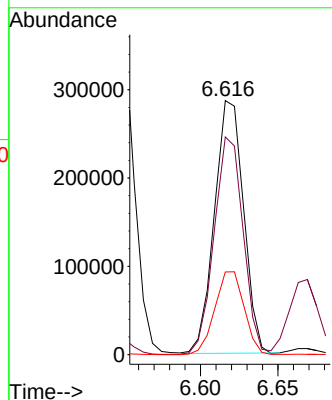
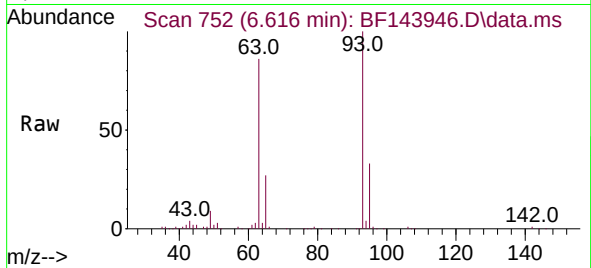
ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 374945
Ion Ratio Lower Upper
93 100
63 85.7 60.9 100.9
95 32.6 11.5 51.5

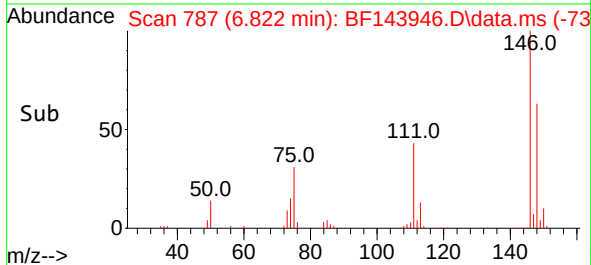
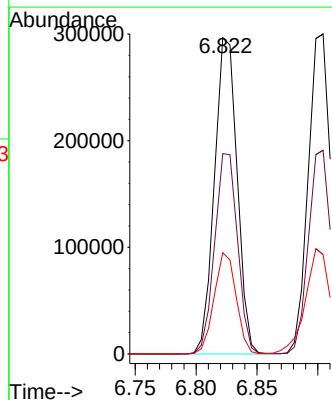
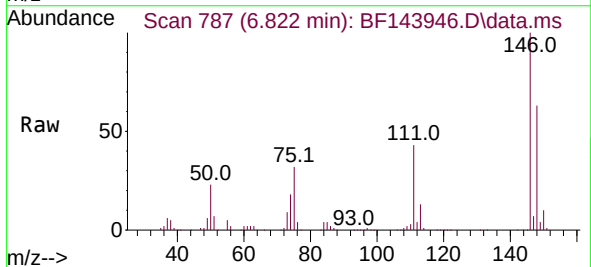
Manual Integrations
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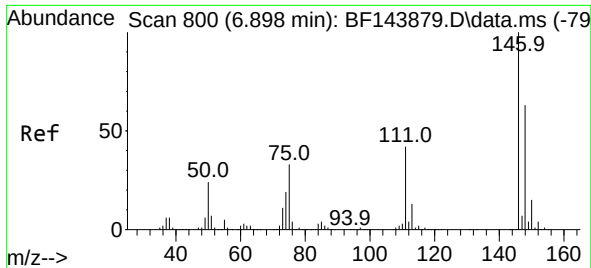
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

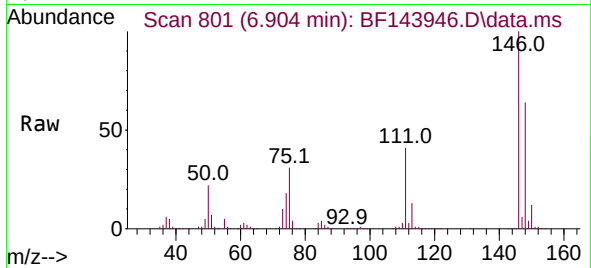
Tgt Ion:146 Resp: 385674
Ion Ratio Lower Upper
146 100
148 63.3 51.0 76.4
75 32.0 24.9 37.3





#13
1,4-Dichlorobenzene
Concen: 40.666 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

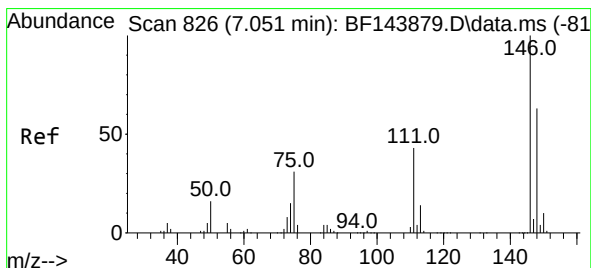
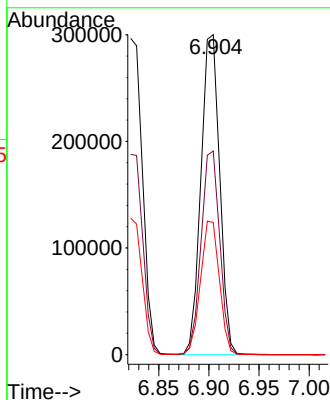
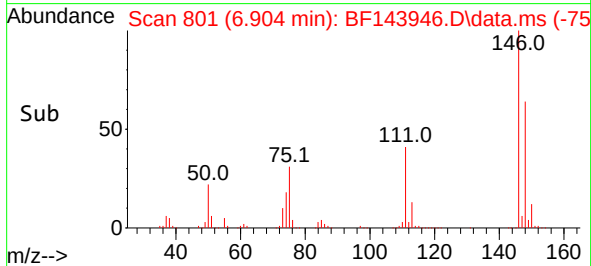
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



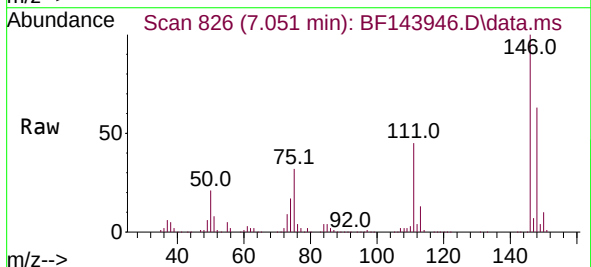
Tgt Ion:146 Resp: 389372
Ion Ratio Lower Upper
146 100
148 63.6 50.5 75.7
111 41.3 33.4 50.0

Manual Integrations
APPROVED

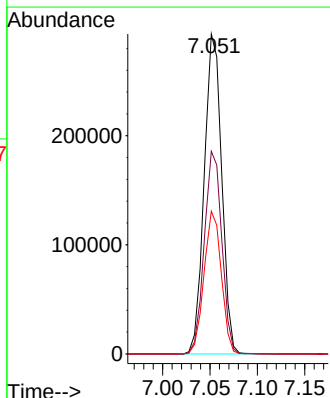
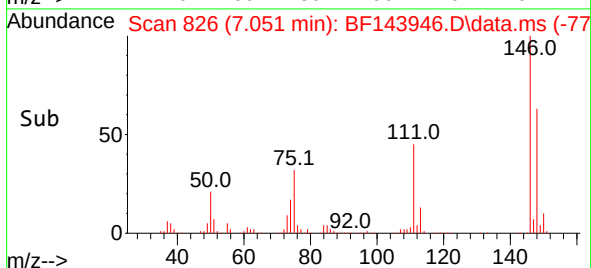
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

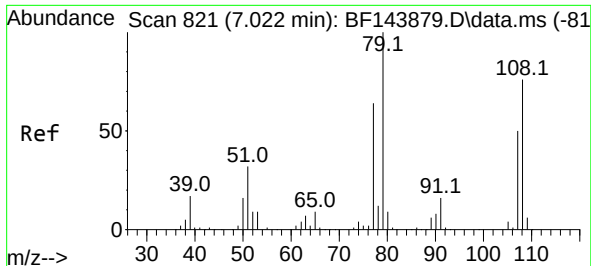


#14
1,2-Dichlorobenzene
Concen: 41.014 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





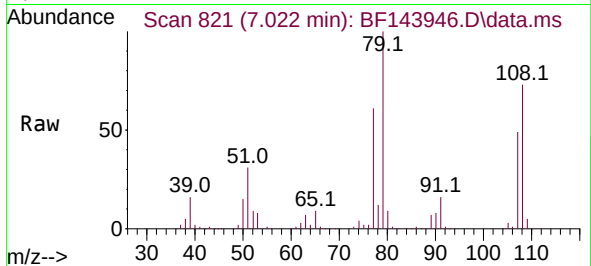
#15
Benzyl Alcohol
Concen: 39.983 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

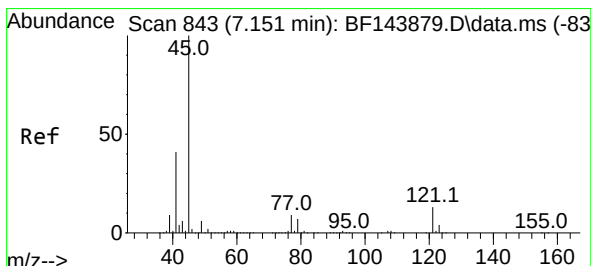
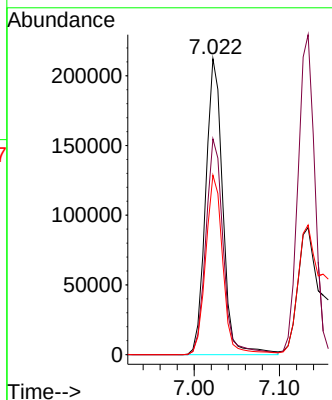
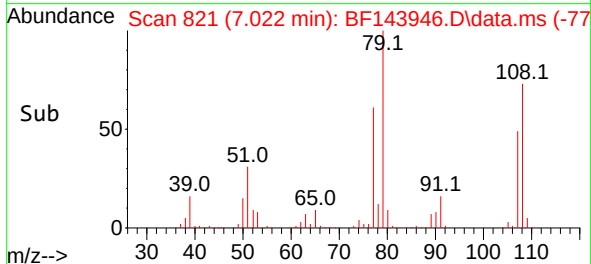
SSTDCCC040



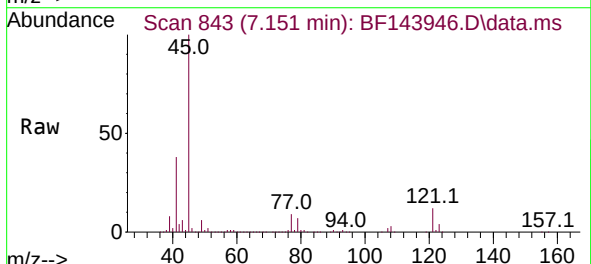
Tgt Ion: 79 Resp: 296222
Ion Ratio Lower Upper
79 100
108 72.9 60.8 91.2
77 60.6 51.0 76.6

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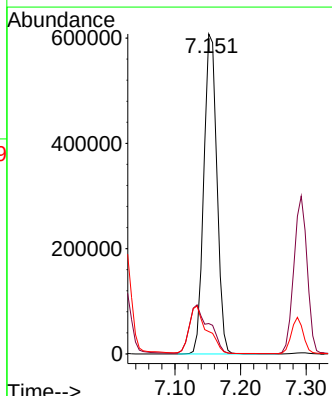
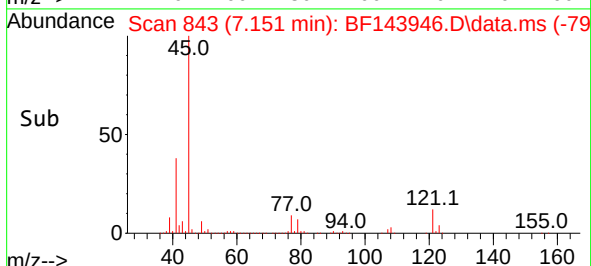
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

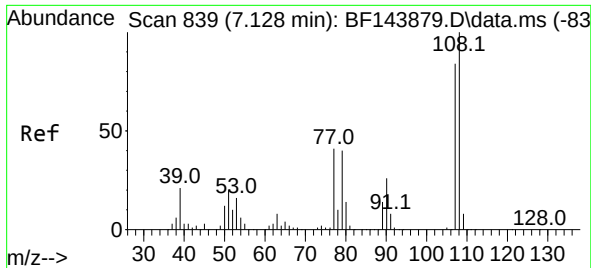


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.234 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





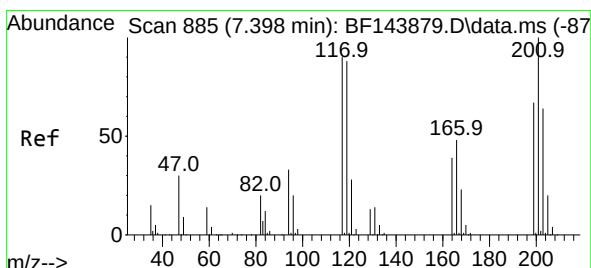
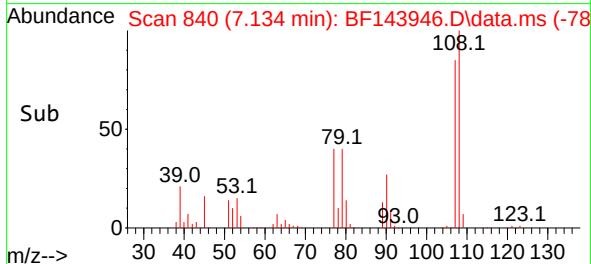
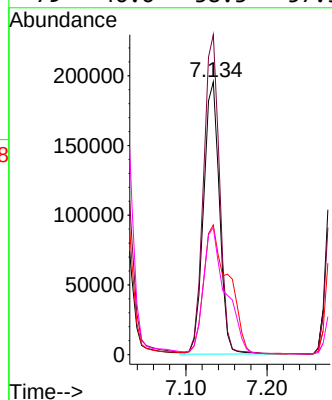
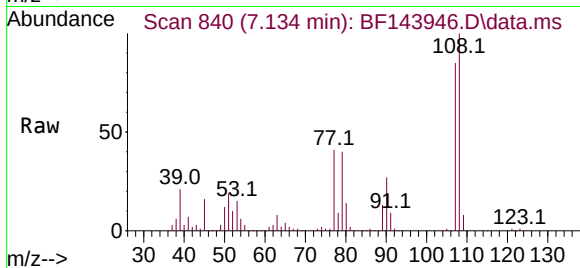
#17
2-Methylphenol
Concen: 39.882 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

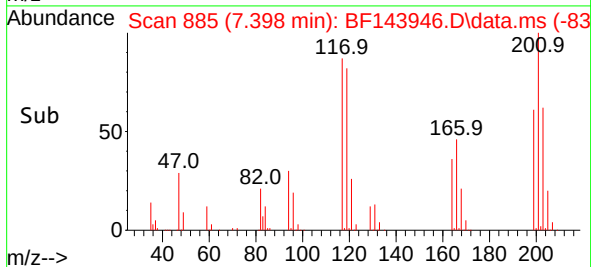
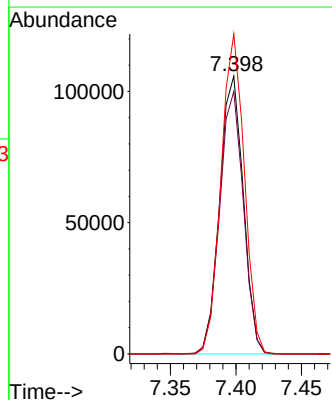
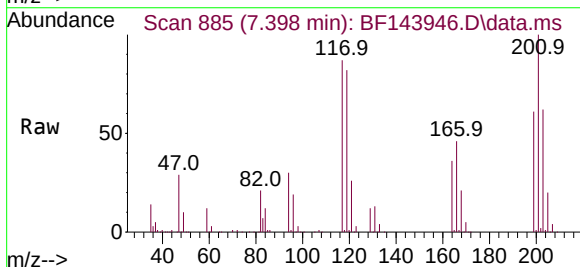
Manual Integrations
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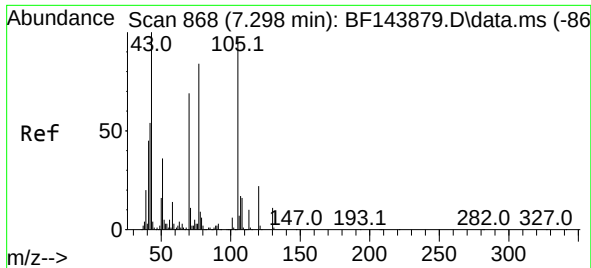
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

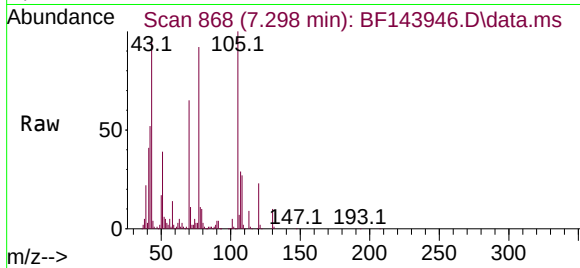
Tgt Ion:117 Resp: 132810
Ion Ratio Lower Upper
117 100
119 94.4 77.8 116.8
201 115.2 88.5 132.7





#19
n-Nitroso-di-n-propylamine
Concen: 33.743 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

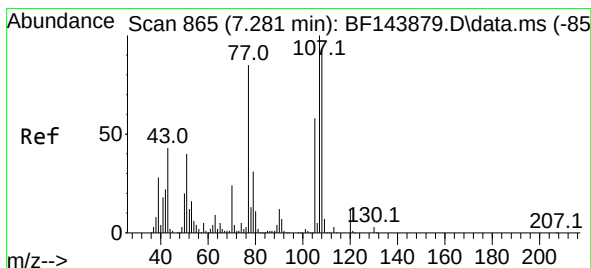
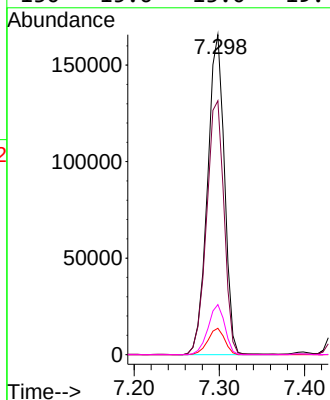
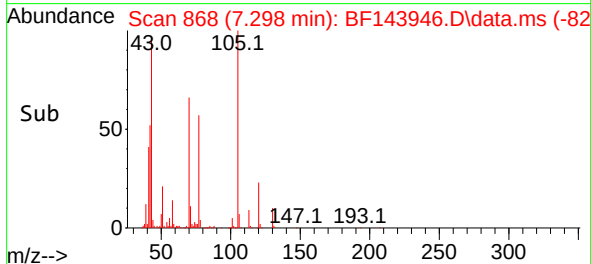
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



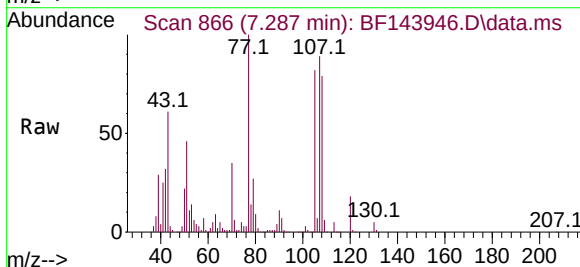
Tgt Ion: 70 Resp: 228389
Ion Ratio Lower Upper
70 100
42 79.3 62.8 94.2
101 8.2 6.7 10.1
130 15.6 13.0 19.4

Manual Integrations
APPROVED

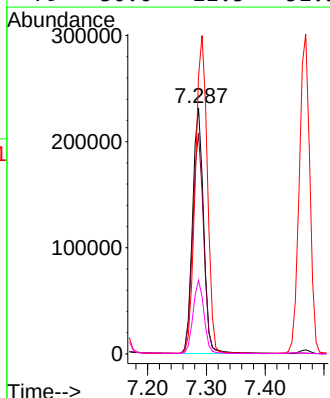
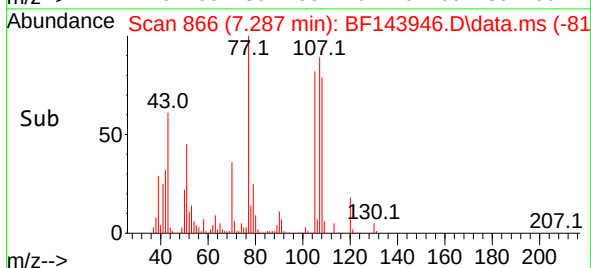
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

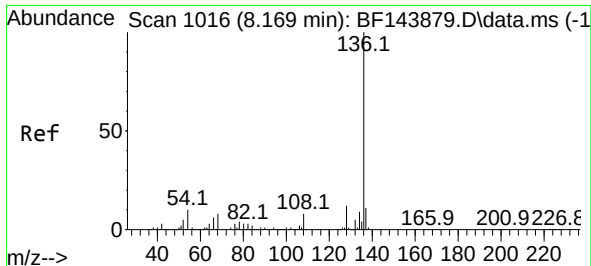


#20
3+4-Methylphenols
Concen: 38.875 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



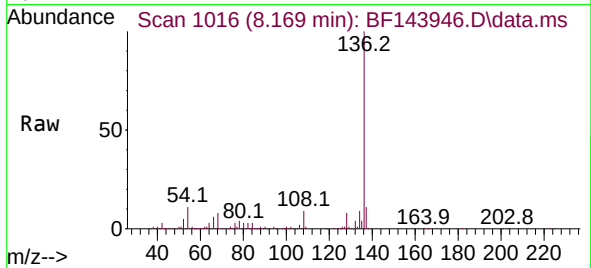
Tgt Ion:107 Resp: 301950
Ion Ratio Lower Upper
107 100
108 89.6 73.0 113.0
77 112.8 64.6 104.6#
79 30.0 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

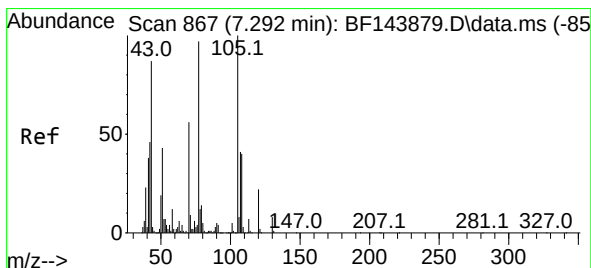
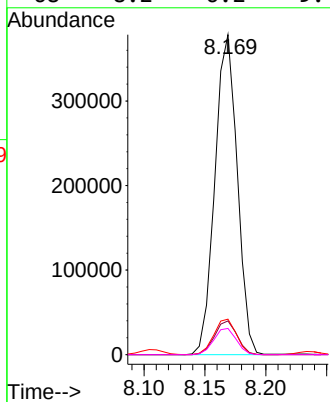
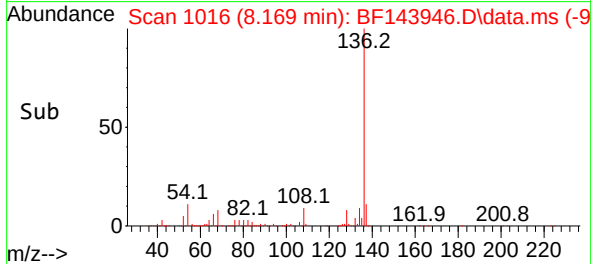
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:	136	Resp:	483664
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

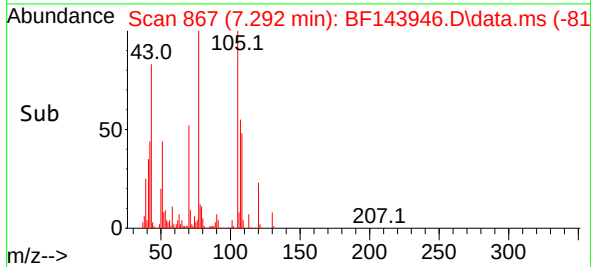
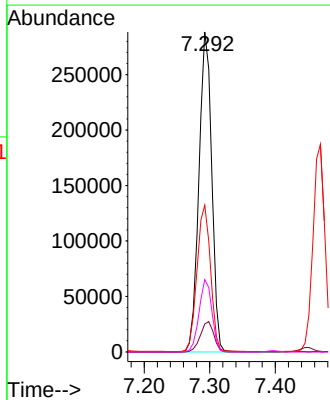
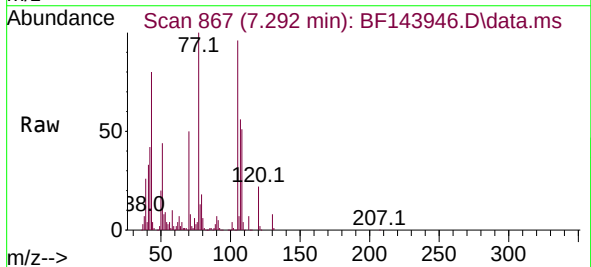
Manual Integrations
APPROVED

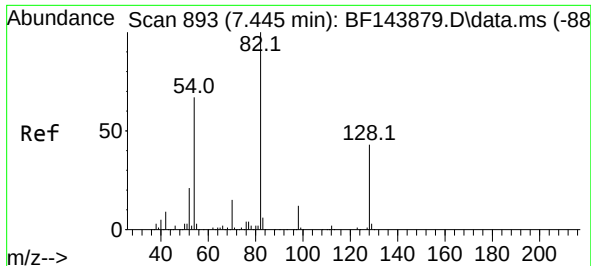
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

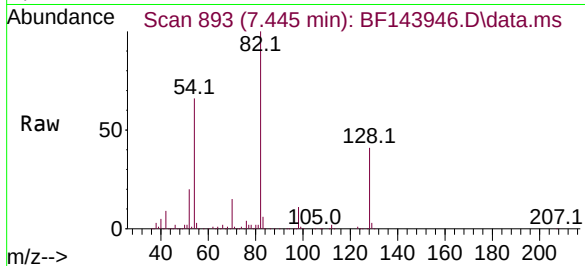
Tgt Ion:	105	Resp:	389320
Ion Ratio	Lower	Upper	
105	100		
71	8.7	7.4	11.0
51	45.8	34.2	51.4
120	22.6	17.7	26.5





#23
Nitrobenzene-d5
Concen: 85.752 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

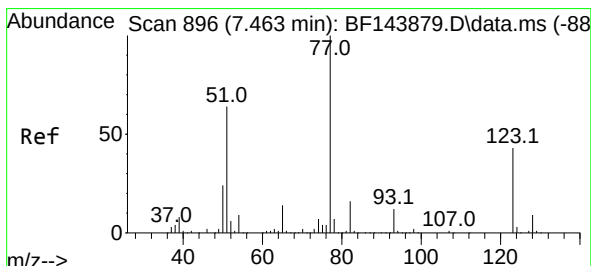
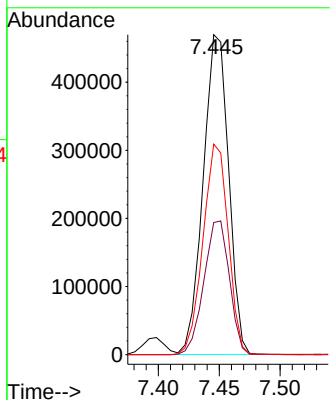
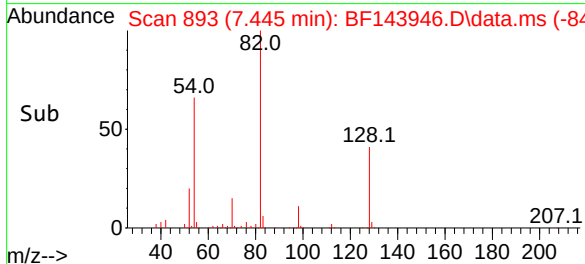
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



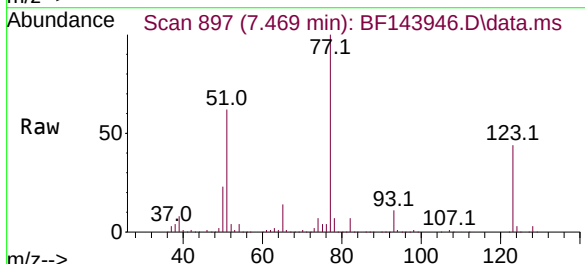
Tgt Ion: 82 Resp: 682662
Ion Ratio Lower Upper
82 100
128 41.3 34.0 51.0
54 65.8 53.2 79.8

Manual Integrations
APPROVED

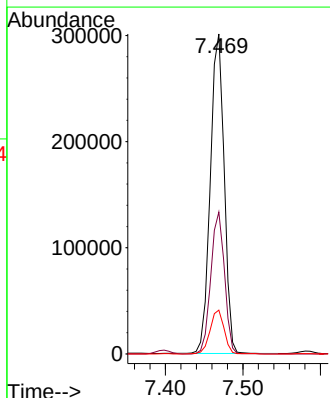
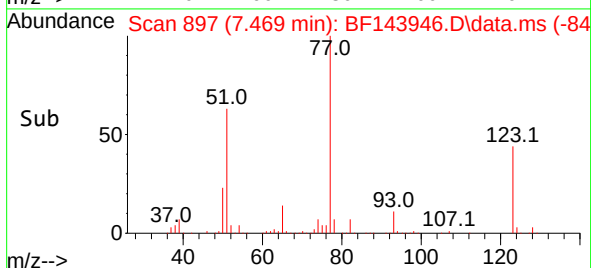
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

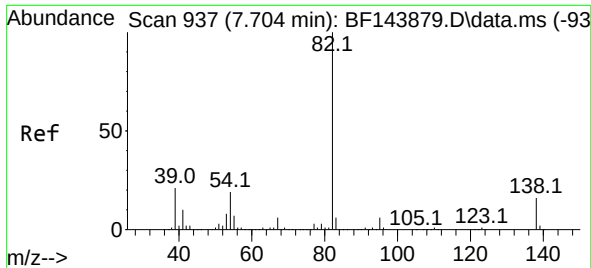


#24
Nitrobenzene
Concen: 42.351 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





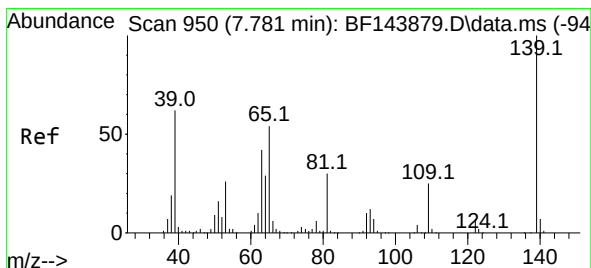
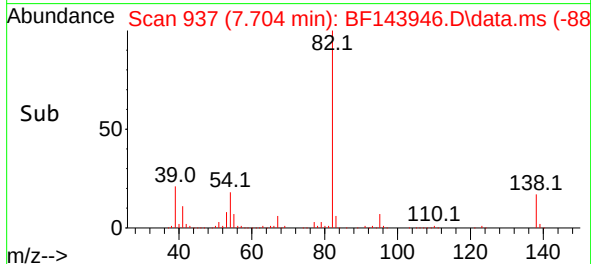
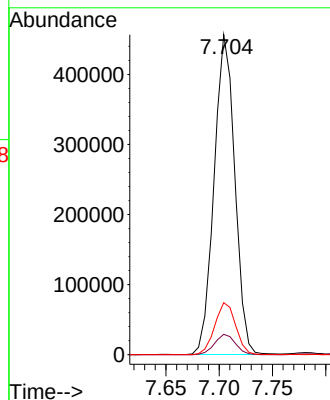
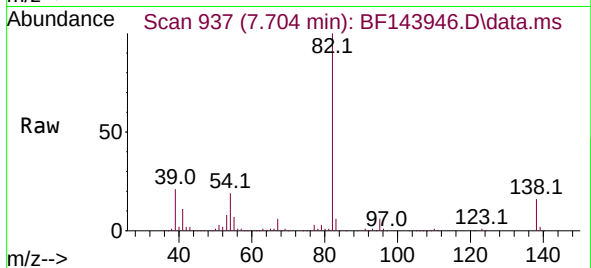
#25
Isophorone
Concen: 36.826 ng
RT: 7.704 min Scan# 931
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

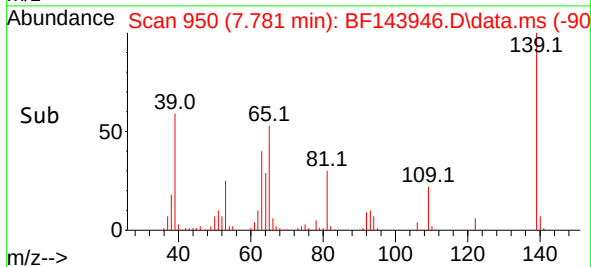
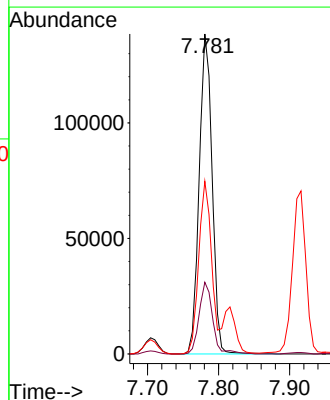
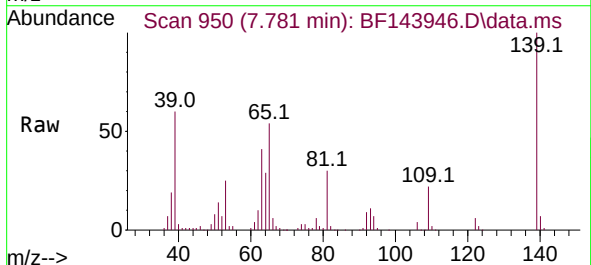
Manual Integrations
APPROVED

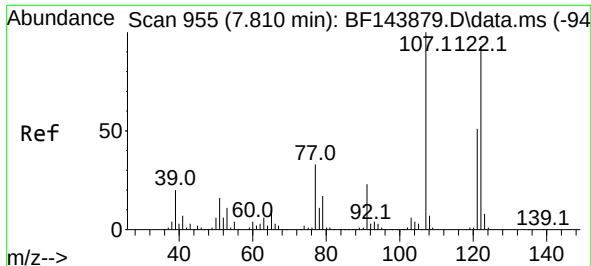
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

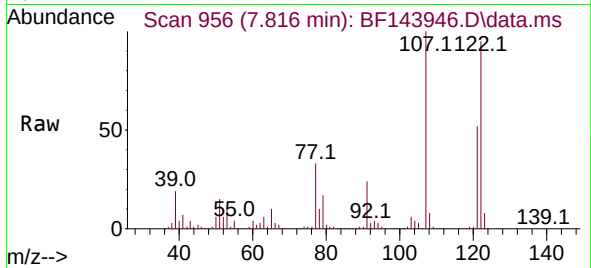
Tgt Ion:139 Resp: 174296
Ion Ratio Lower Upper
139 100
109 22.4 19.8 29.6
65 53.9 42.9 64.3





#27
2,4-Dimethylphenol
Concen: 39.190 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

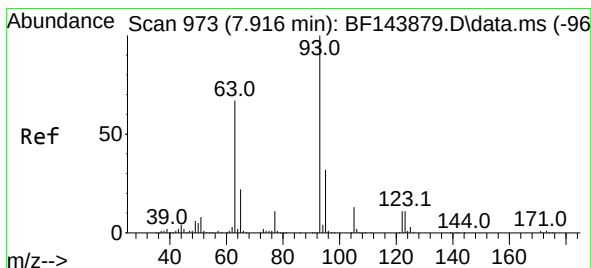
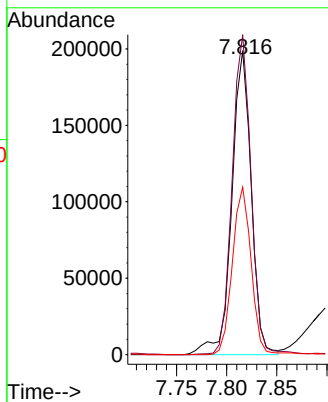
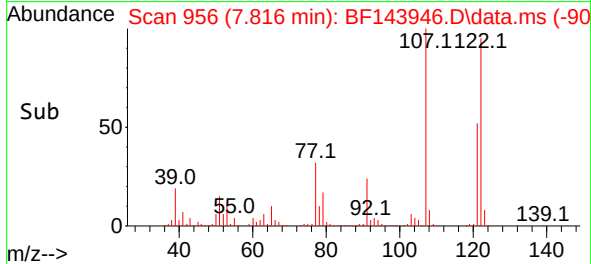
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



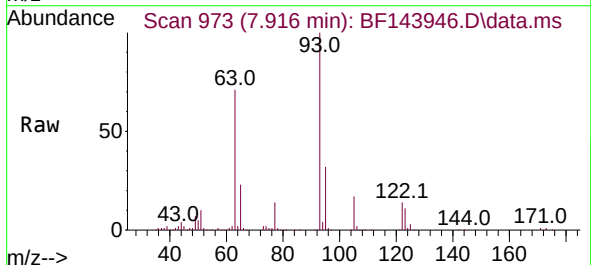
Tgt Ion:122 Resp: 267205
Ion Ratio Lower Upper
122 100
107 105.3 86.1 129.1
121 55.1 43.8 65.6

Manual Integrations
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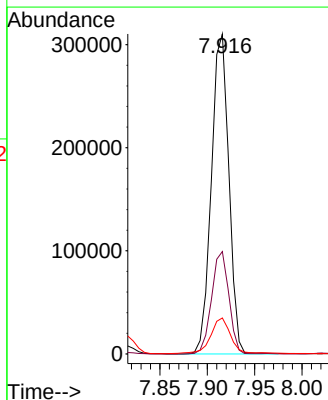
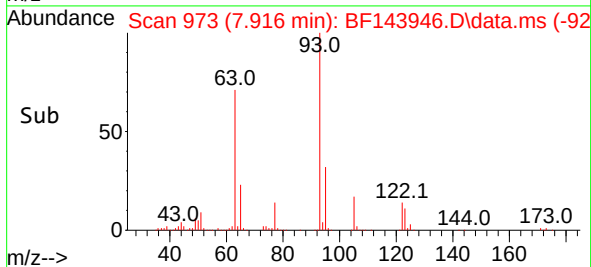
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

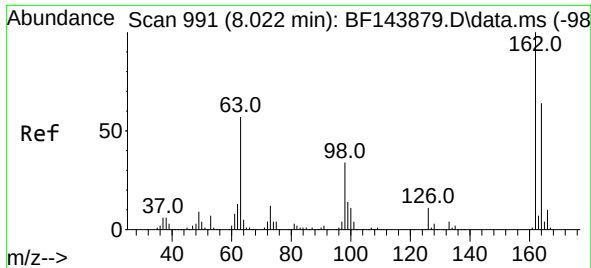


#28
bis(2-Chloroethoxy)methane
Concen: 37.593 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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# 991

Delta R.T. -0.006 min

Lab File: BF143946.D

Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

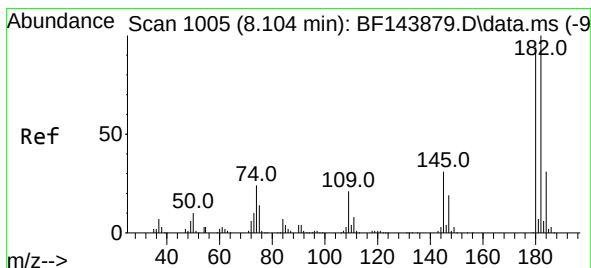
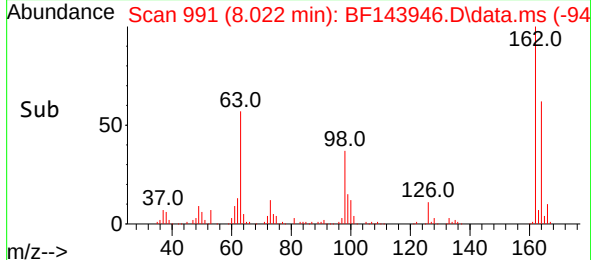
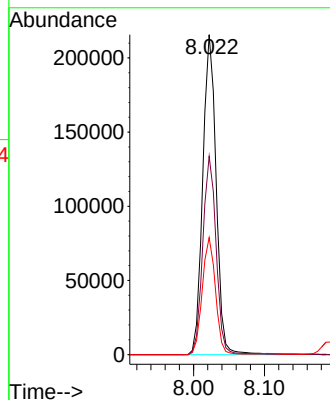
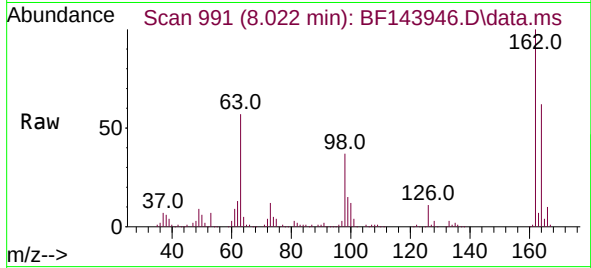
SSTDCCC040

Tgt Ion:162	Resp: 281062
Ion Ratio	Lower Upper
162 100	
164 62.0	43.9 83.9
98 36.6	14.4 54.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.843 ng

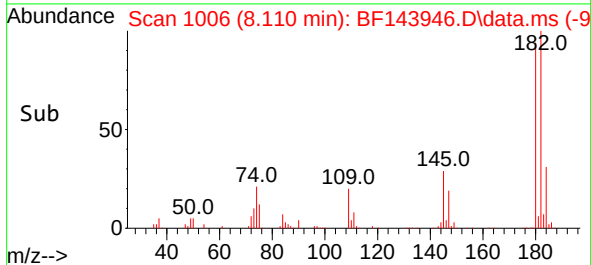
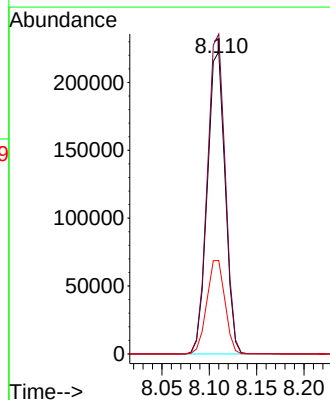
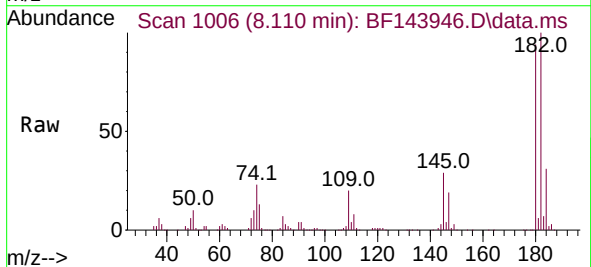
RT: 8.110 min Scan# 1006

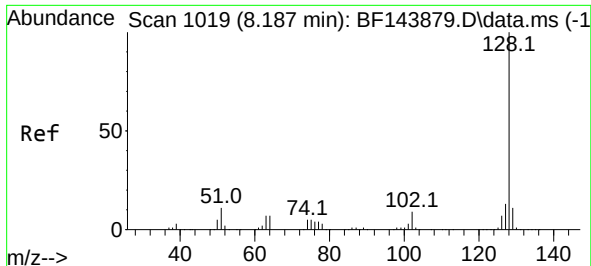
Delta R.T. 0.000 min

Lab File: BF143946.D

Acq: 14 Oct 2025 13:57

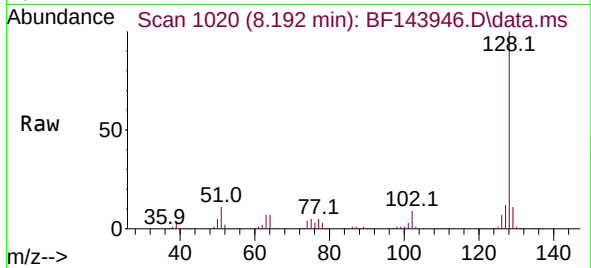
Tgt Ion:180	Resp: 292262
Ion Ratio	Lower Upper
180 100	
182 105.9	85.4 128.0
145 30.9	26.3 39.5





#31
Naphthalene
Concen: 39.806 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

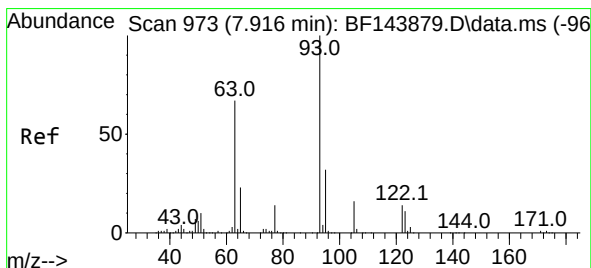
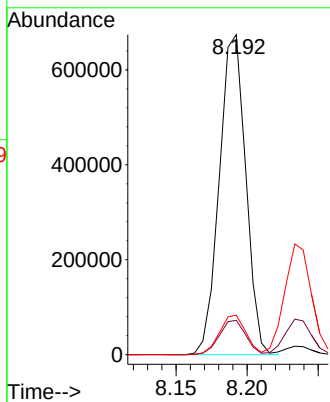
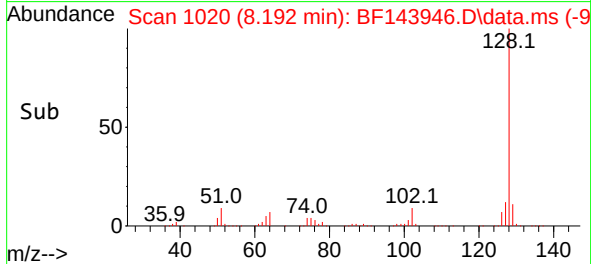
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:128 Resp: 875804
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.3 10.0 15.0

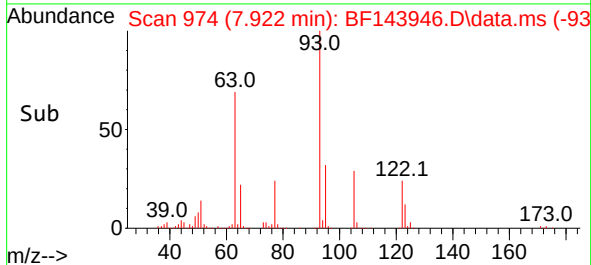
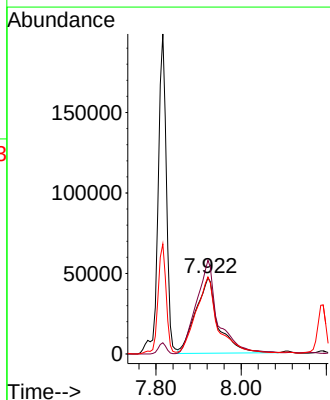
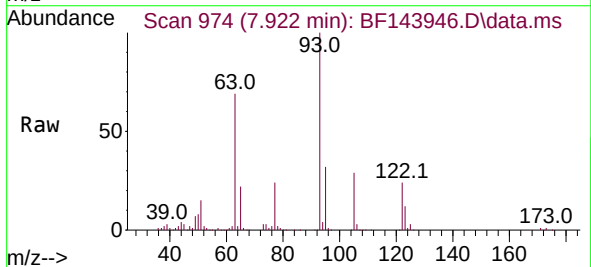
Manual Integrations
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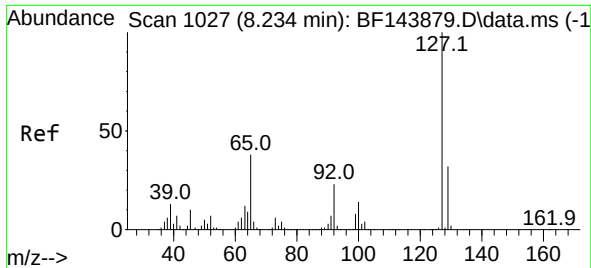
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 1027
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

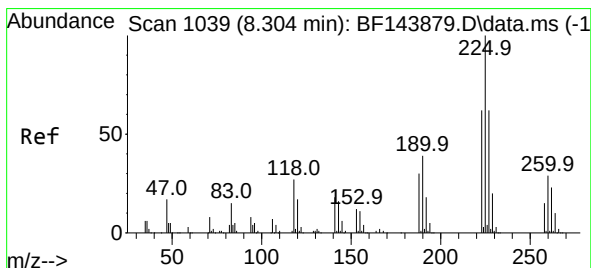
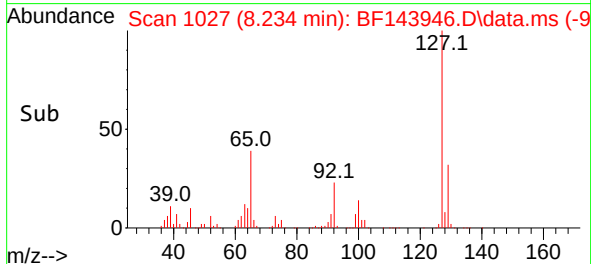
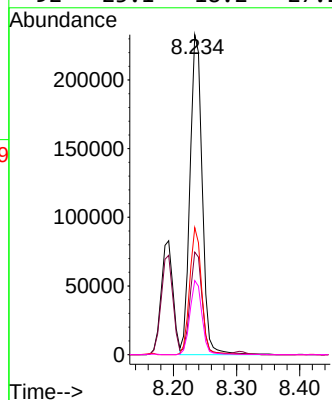
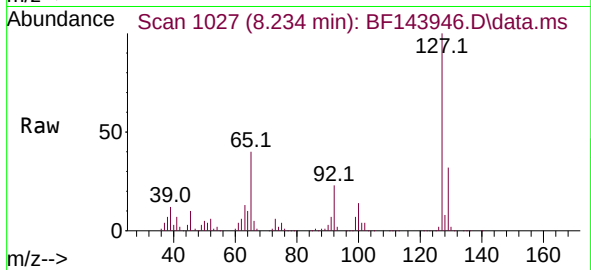
ClientSampleId :

SSTDCCC040

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

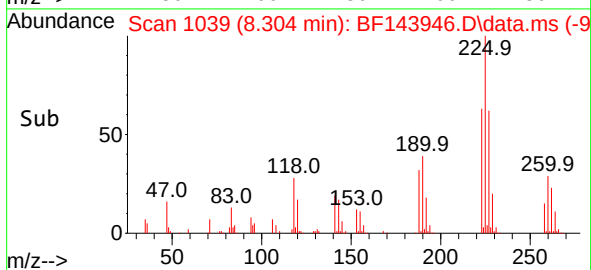
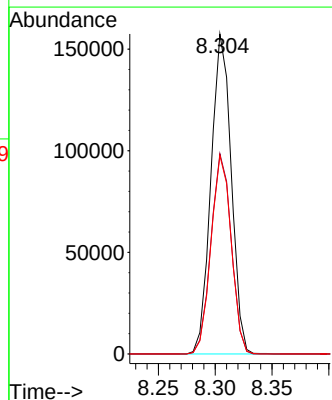
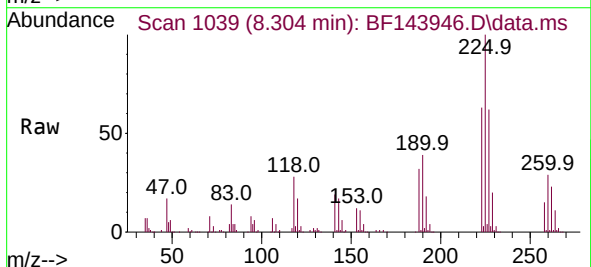
Manual Integrations
APPROVED

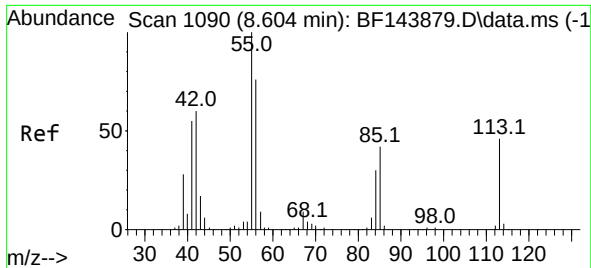
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

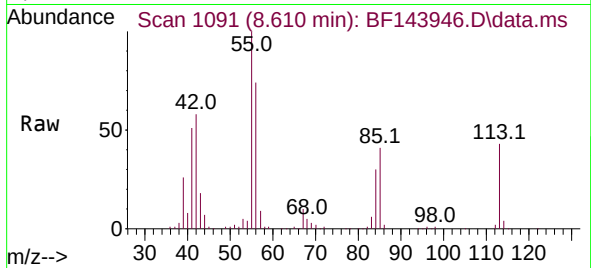
Tgt Ion:225 Resp: 195169
Ion Ratio Lower Upper
225 100
223 62.6 49.4 74.2
227 62.0 49.7 74.5





#35
Caprolactam
Concen: 36.920 ng
RT: 8.610 min Scan# 1109
Delta R.T. -0.035 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

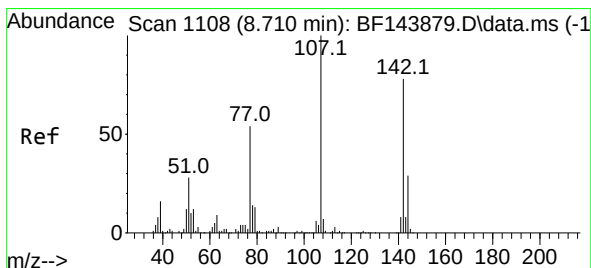
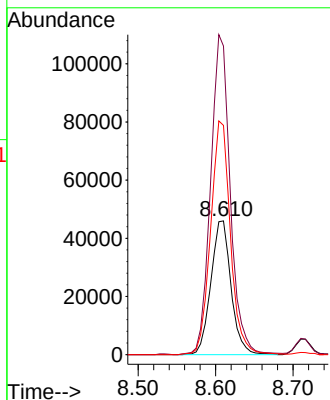
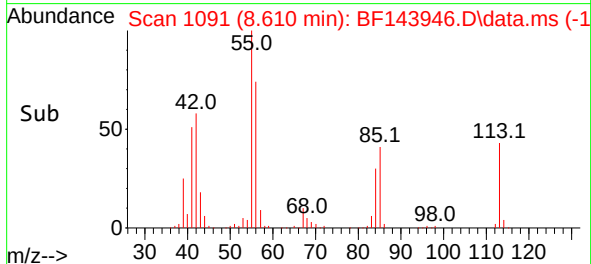
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



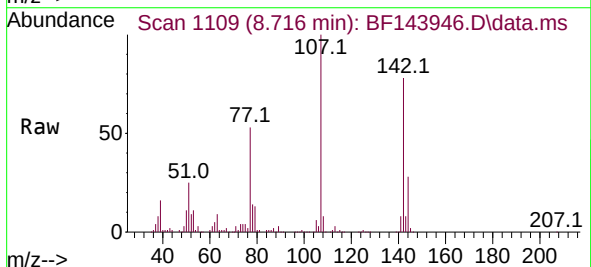
Tgt Ion:113 Resp: 83372
Ion Ratio Lower Upper
113 100
55 230.8 199.6 239.6
56 171.5 146.0 186.0

Manual Integrations
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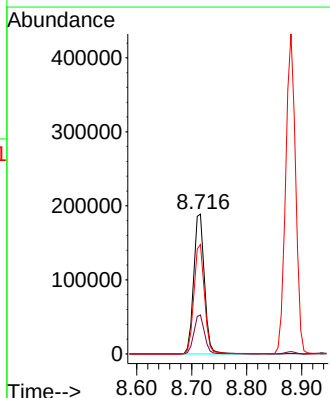
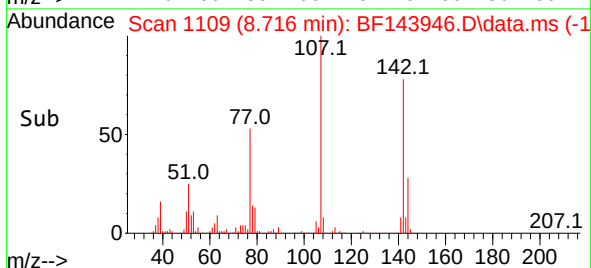
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

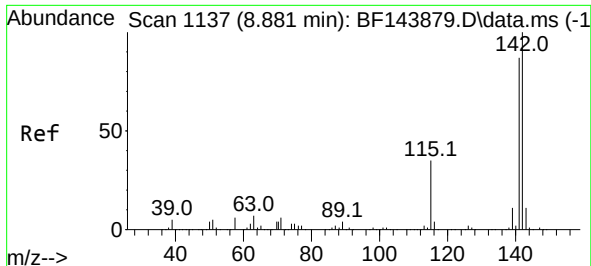


#36
4-Chloro-3-methylphenol
Concen: 37.794 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





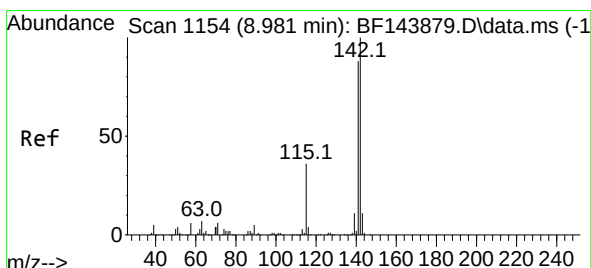
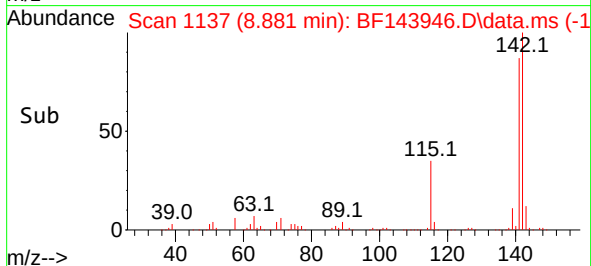
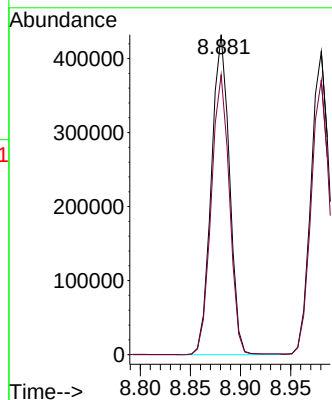
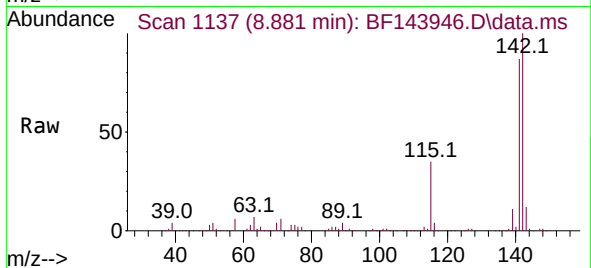
#37
2-Methylnaphthalene
Concen: 36.965 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 541743
Ion Ratio Lower Upper
142 100
141 87.4 69.2 103.8

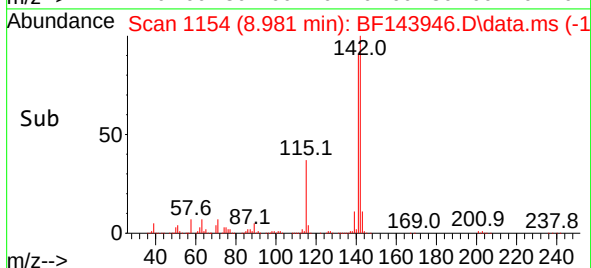
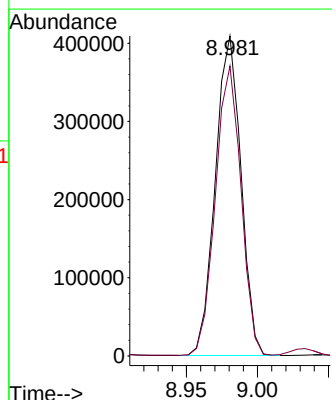
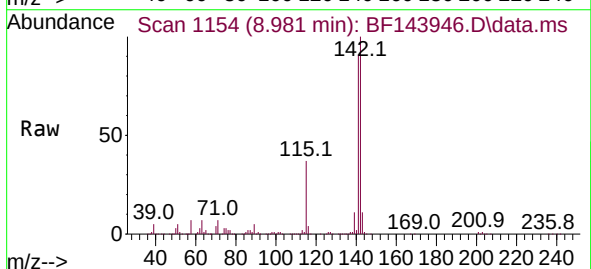
Manual Integrations
APPROVED

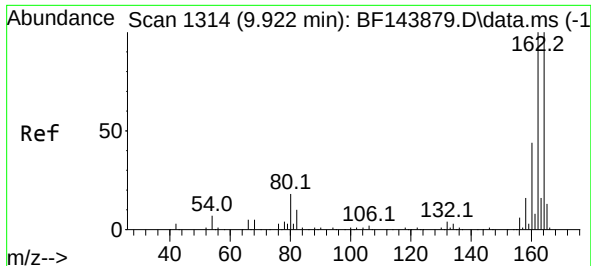
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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





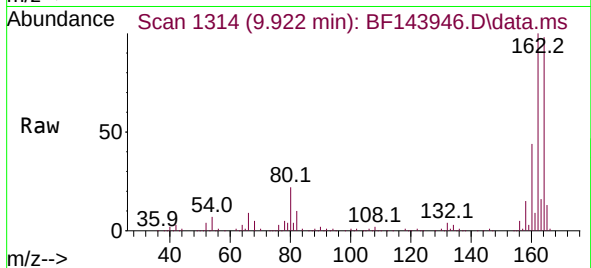
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

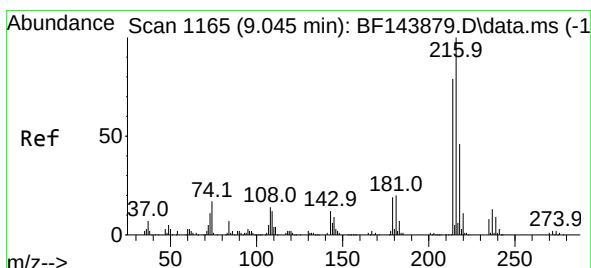
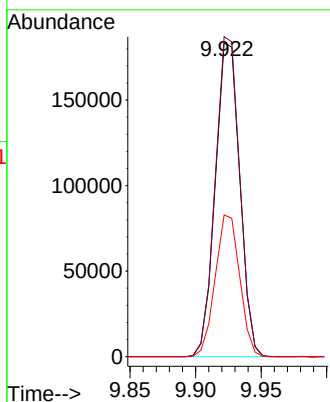
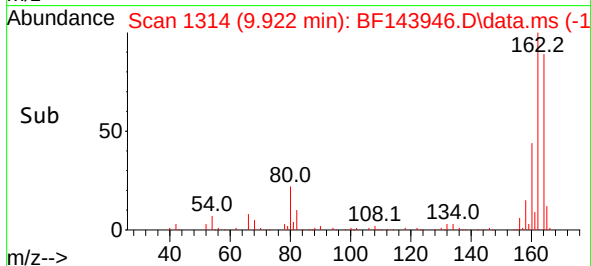
SSTDCCC040



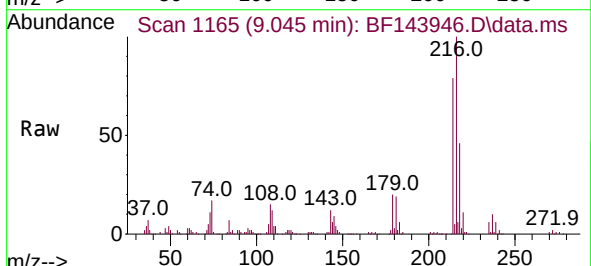
Tgt Ion:164 Resp: 238586
Ion Ratio Lower Upper
164 100
162 102.1 80.2 120.2
160 45.2 35.4 53.0

Manual Integrations
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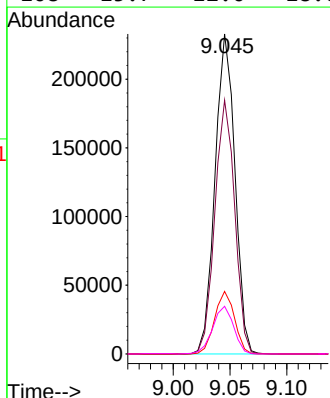
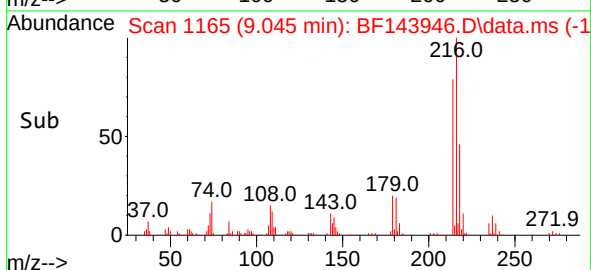
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

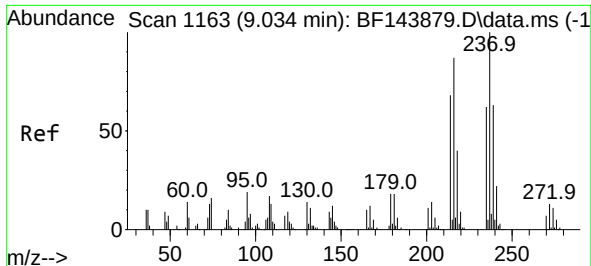


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.993 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



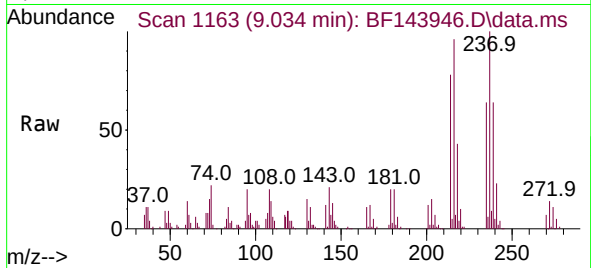
Tgt Ion:216 Resp: 283503
Ion Ratio Lower Upper
216 100
214 79.1 62.6 94.0
179 19.5 15.4 23.0
108 15.7 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 34.302 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

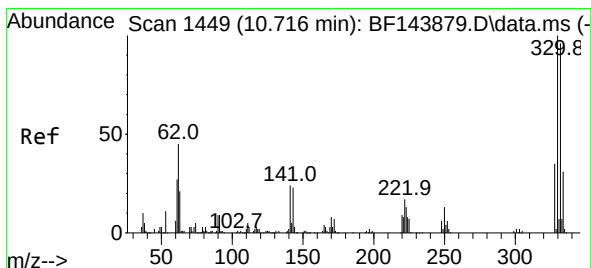
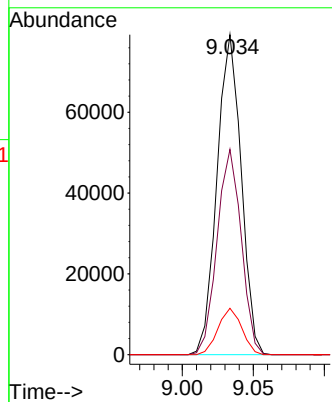
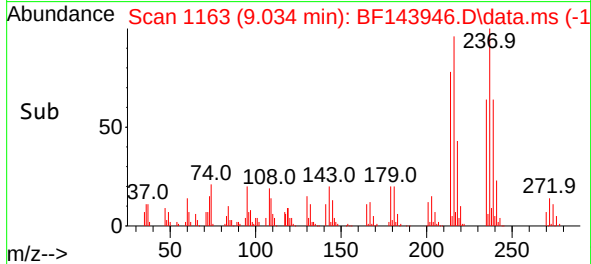
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



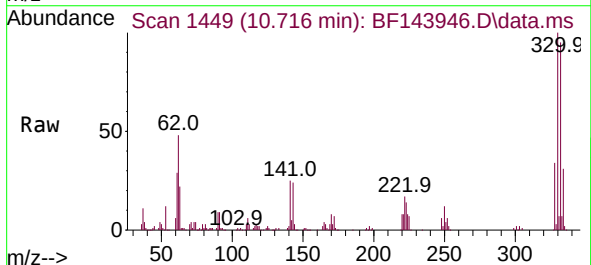
Tgt Ion: 237 Resp: 93838
Ion Ratio Lower Upper
237 100
235 64.1 42.3 82.3
272 14.5 0.0 33.1

Manual Integrations
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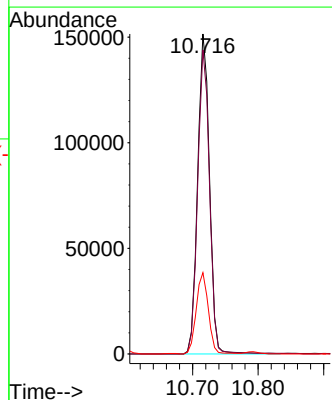
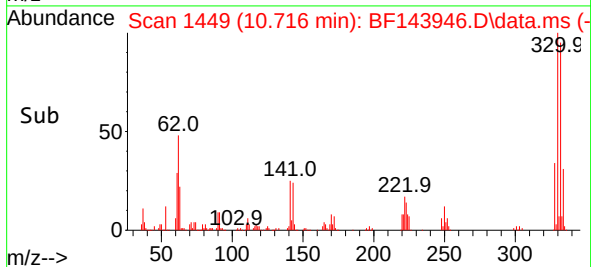
Reviewed By : Jagrut Upadhyay 10/14/2025
Supervised By : mohammad ahmed 10/17/2025

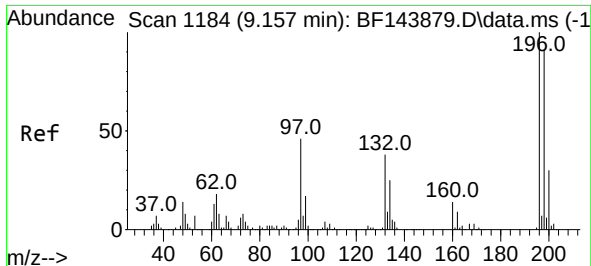


#42
2,4,6-Tribromophenol
Concen: 79.800 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



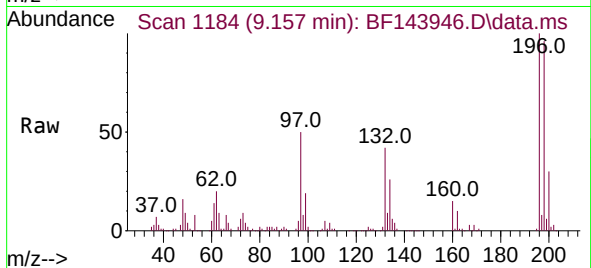
Tgt Ion: 330 Resp: 189633
Ion Ratio Lower Upper
330 100
332 94.5 76.9 115.3
141 25.9 20.2 30.4





#43
2,4,6-Trichlorophenol
Concen: 40.115 ng
RT: 9.157 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

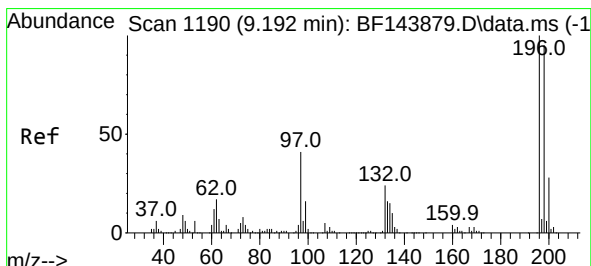
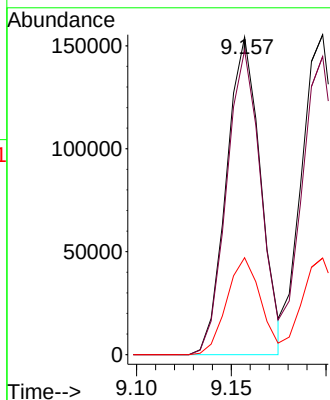
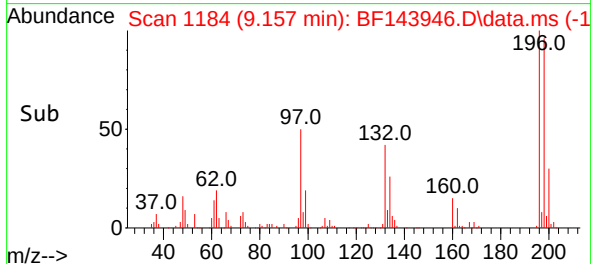
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



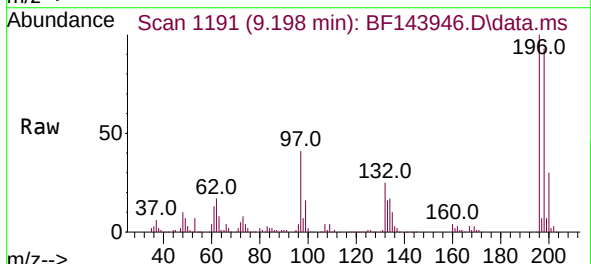
Tgt Ion:196 Resp: 19327
Ion Ratio Lower Upper
196 100
198 95.9 72.8 109.2
200 30.5 24.0 36.0

Manual Integrations
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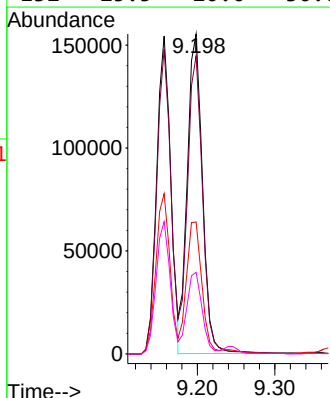
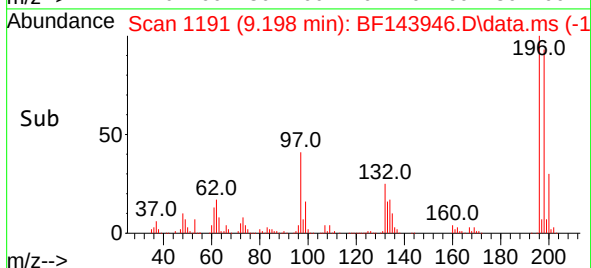
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

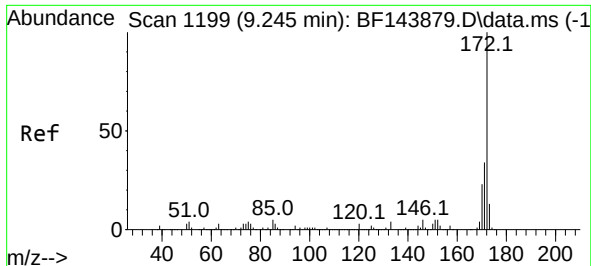


#44
2,4,5-Trichlorophenol
Concen: 41.502 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



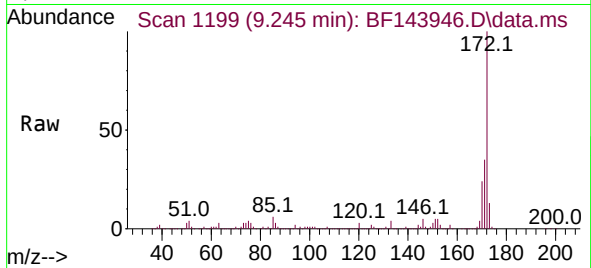
Tgt Ion:196 Resp: 211314
Ion Ratio Lower Upper
196 100
198 93.2 75.5 113.3
97 41.2 33.9 50.9
132 25.5 20.0 30.0





#45
2-Fluorobiphenyl
Concen: 75.586 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

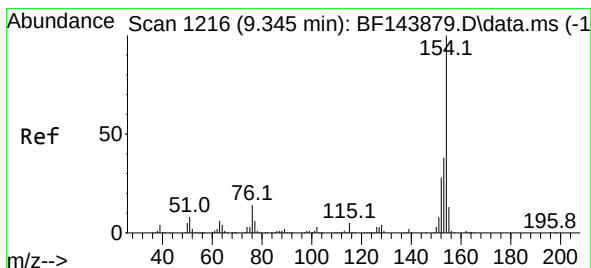
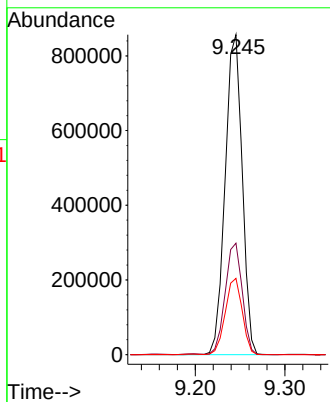
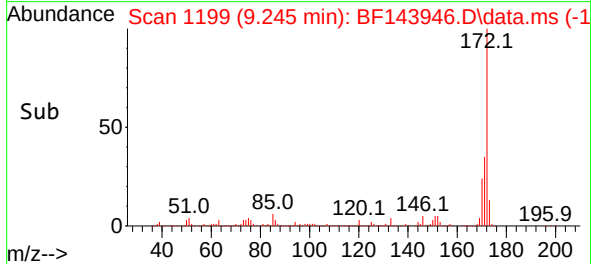
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



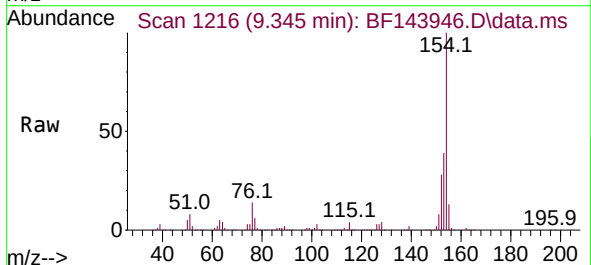
Tgt Ion:172 Resp: 113653
Ion Ratio Lower Upper
172 100
171 34.8 27.4 41.0
170 23.8 18.6 28.0

Manual Integrations
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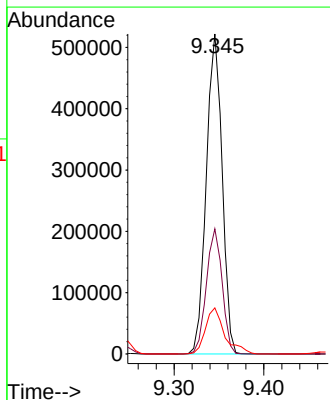
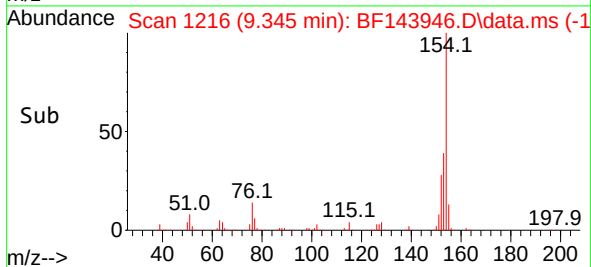
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

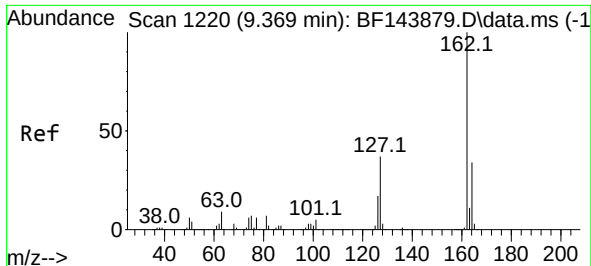


#46
1,1'-Biphenyl
Concen: 40.618 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



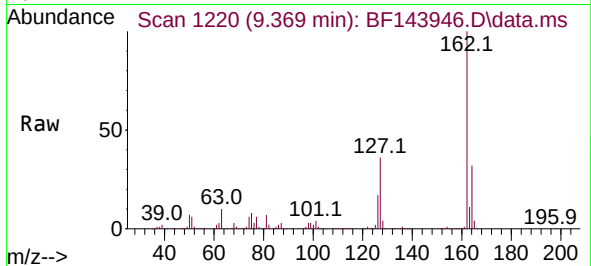
Tgt Ion:154 Resp: 641629
Ion Ratio Lower Upper
154 100
153 39.1 18.4 58.4
76 14.4 0.0 34.0





#47
2-Chloronaphthalene
Concen: 41.064 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

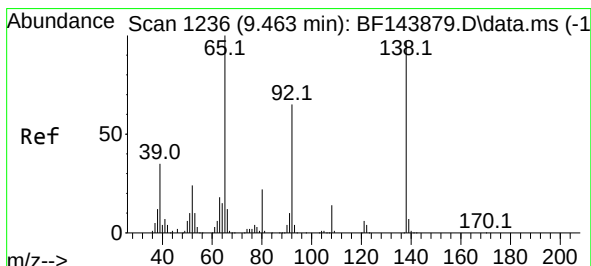
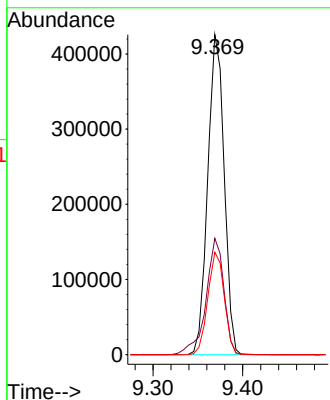
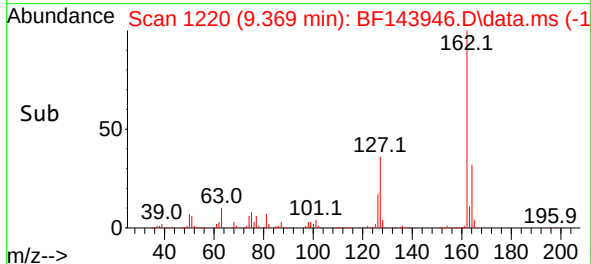
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



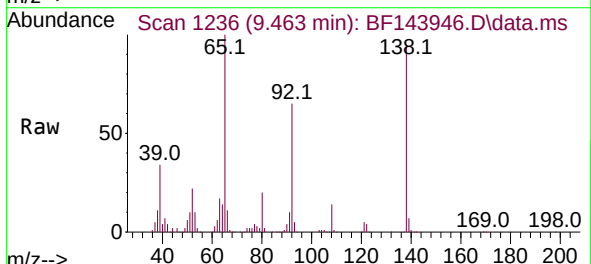
Tgt Ion:162 Resp: 540831
Ion Ratio Lower Upper
162 100
127 36.3 30.2 45.2
164 32.0 26.9 40.3

Manual Integrations
APPROVED

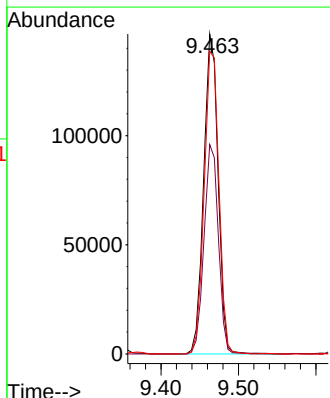
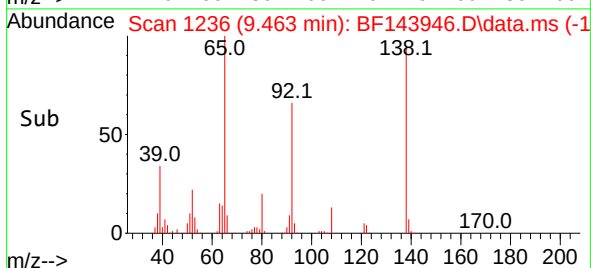
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

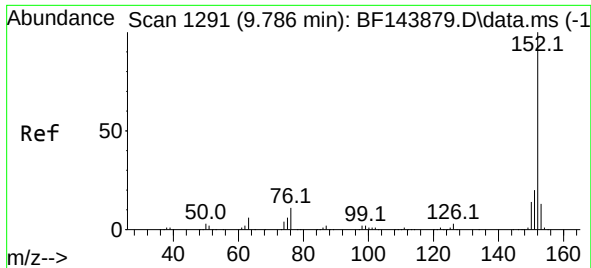


#48
2-Nitroaniline
Concen: 45.320 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



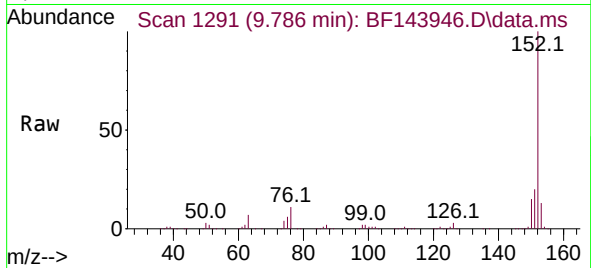
Tgt Ion: 65 Resp: 188709
Ion Ratio Lower Upper
65 100
92 65.4 52.1 78.1
138 94.5 77.4 116.2





#49
Acenaphthylene
Concen: 40.578 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

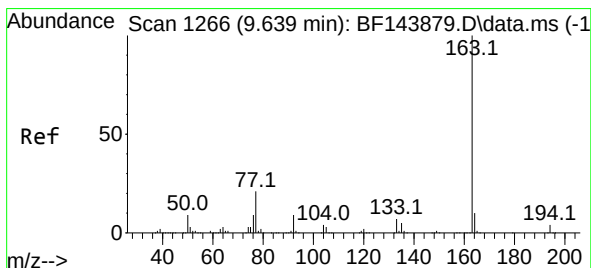
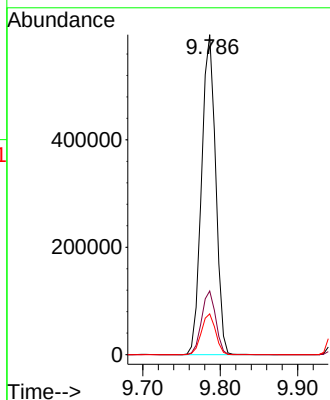
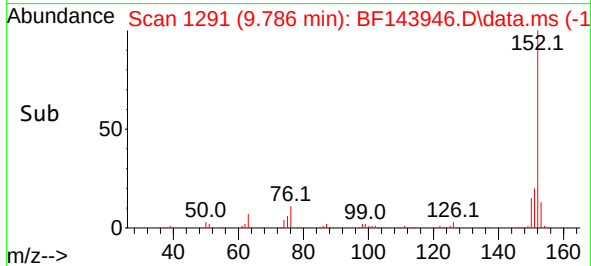
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



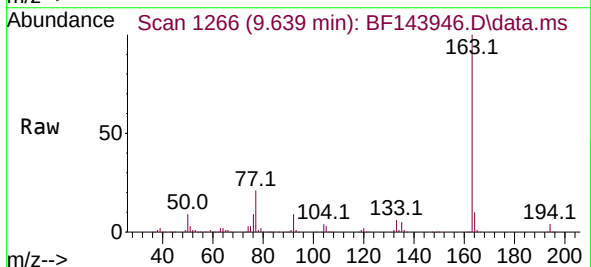
Tgt Ion:152 Resp: 751334
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 12.7 10.5 15.7

Manual Integrations
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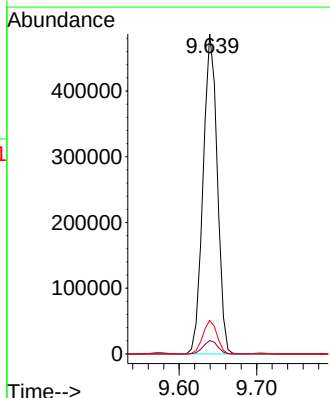
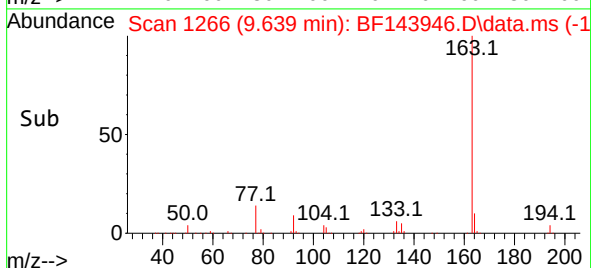
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

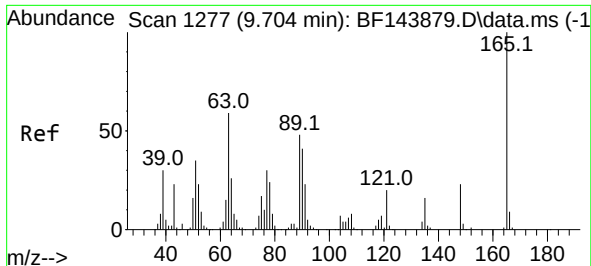


#50
Dimethylphthalate
Concen: 40.809 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



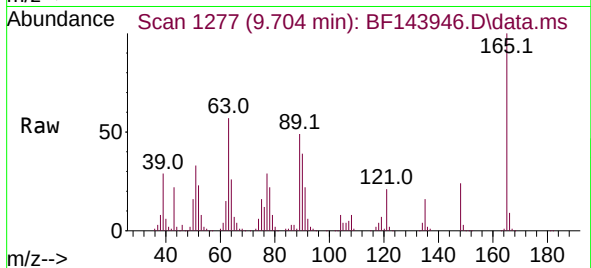
Tgt Ion:163 Resp: 618312
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.4 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 45.141 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

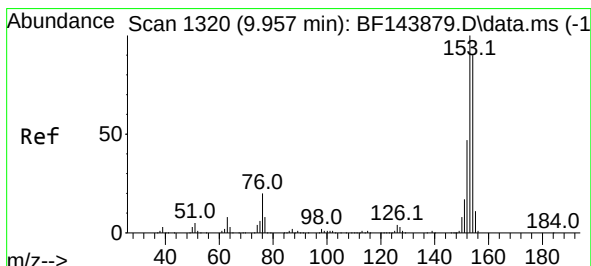
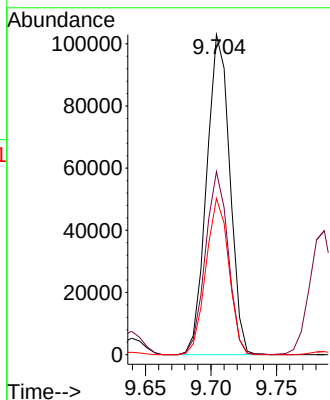
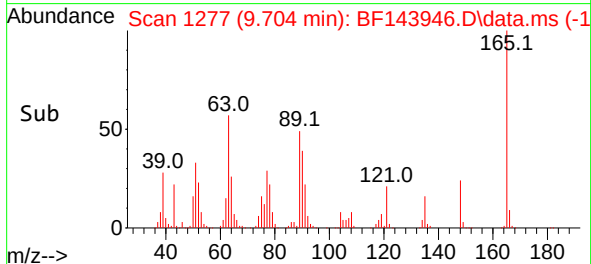
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



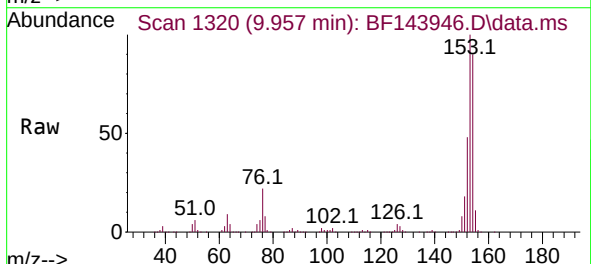
Tgt Ion:165 Resp: 126824
Ion Ratio Lower Upper
165 100
63 57.2 47.3 70.9
89 48.8 38.2 57.4

Manual Integrations
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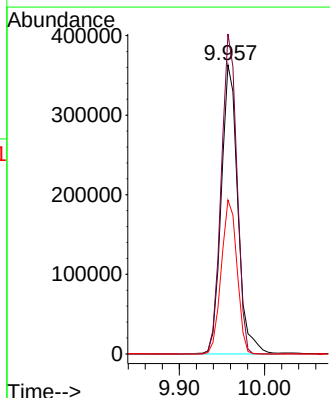
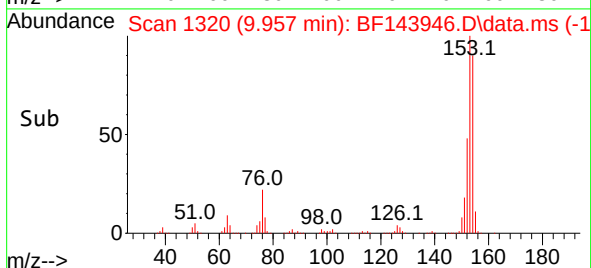
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

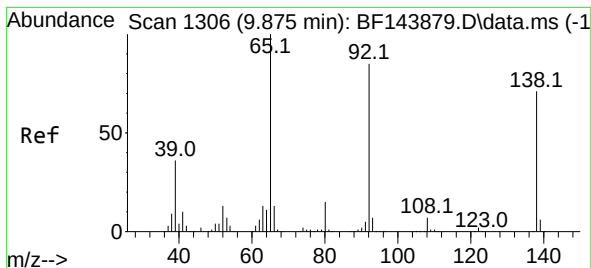


#52
Acenaphthene
Concen: 40.405 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





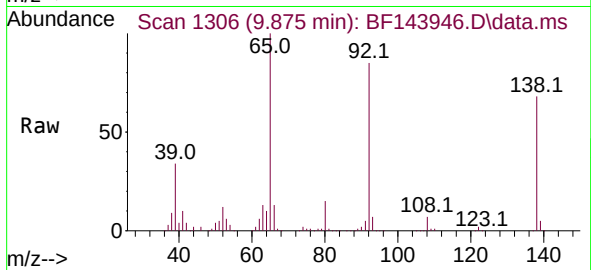
#53
3-Nitroaniline
Concen: 42.822 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

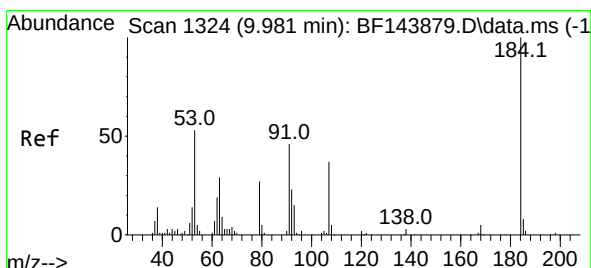
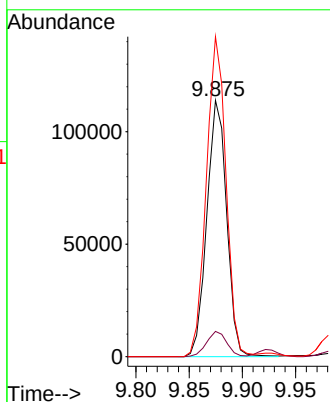
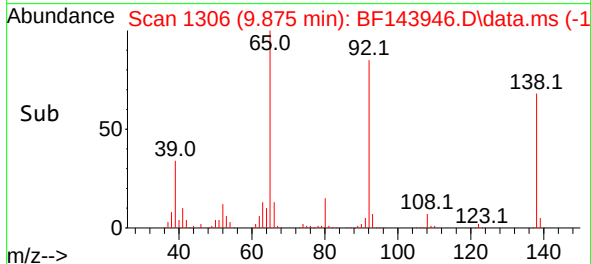
SSTDCCC040



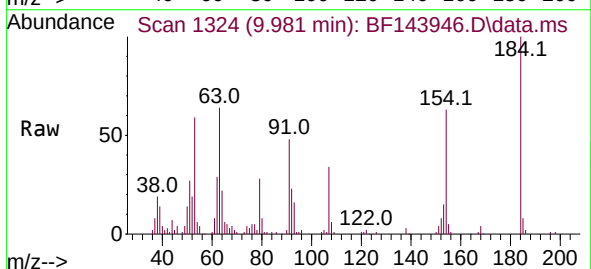
Tgt Ion:138 Resp: 147312
Ion Ratio Lower Upper
138 100
108 9.8 8.3 12.5
92 124.9 96.2 144.2

Manual Integrations
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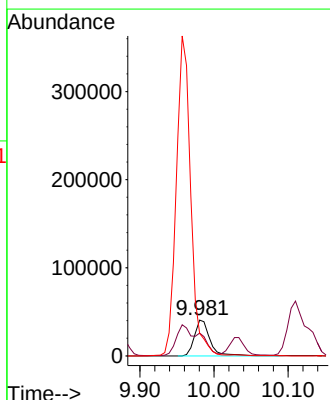
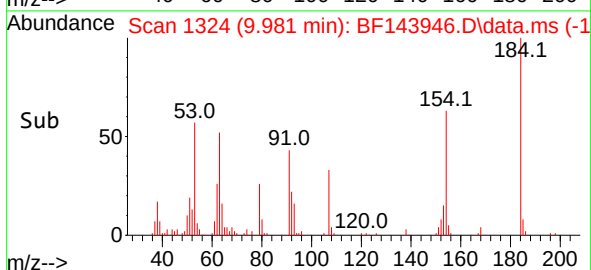
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

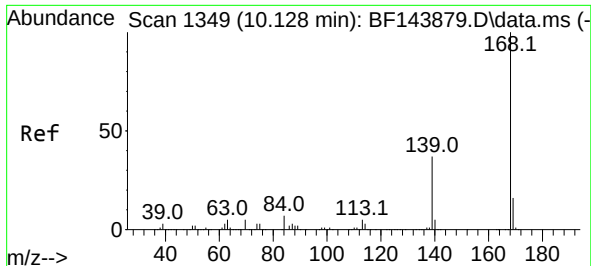


#54
2,4-Dinitrophenol
Concen: 38.075 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



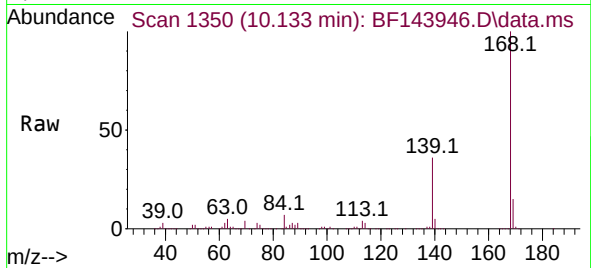
Tgt Ion:184 Resp: 59081
Ion Ratio Lower Upper
184 100
63 63.8 48.2 72.4
154 62.6 49.2 73.8





#55
Dibenzofuran
Concen: 40.297 ng
RT: 10.133 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

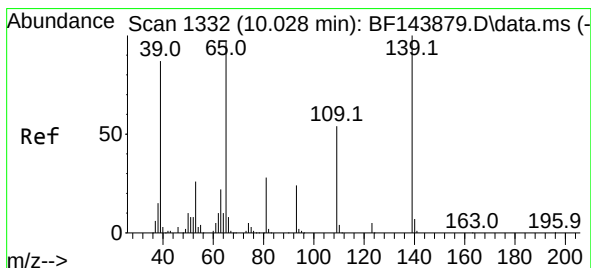
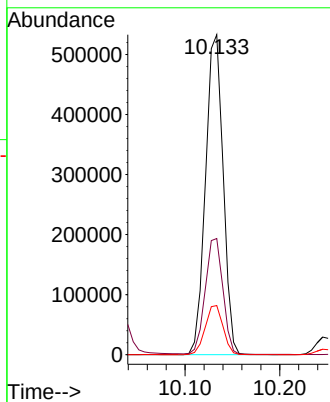
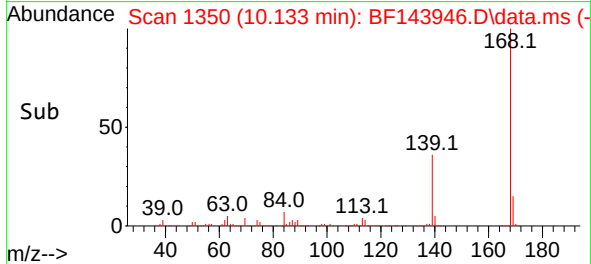
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



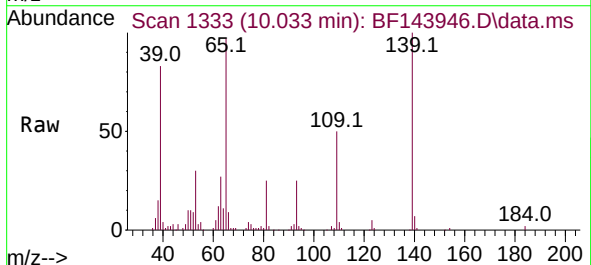
Tgt Ion:168 Resp: 690158
Ion Ratio Lower Upper
168 100
139 36.3 29.8 44.8
169 15.3 12.8 19.2

Manual Integrations
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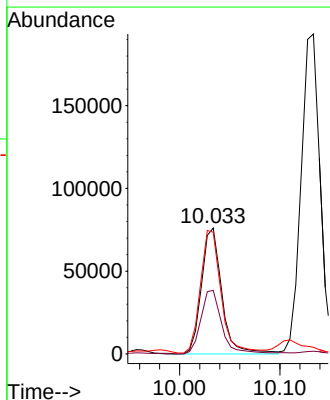
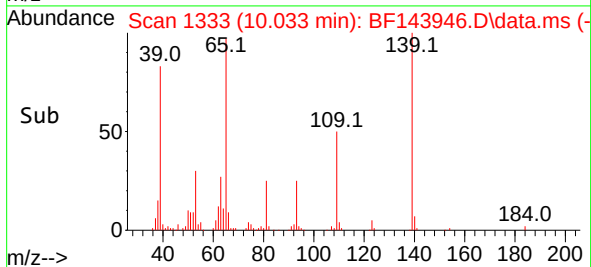
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

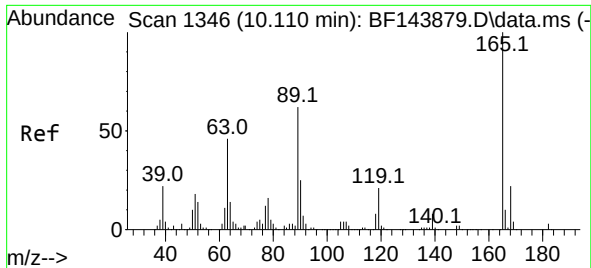


#56
4-Nitrophenol
Concen: 41.065 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





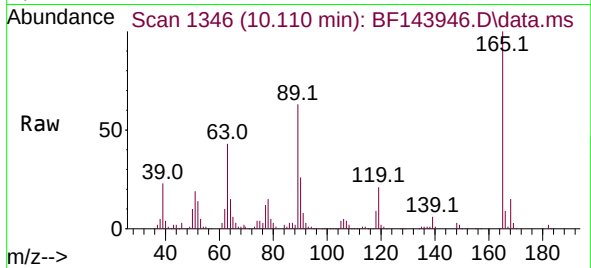
#57
2,4-Dinitrotoluene
Concen: 45.966 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

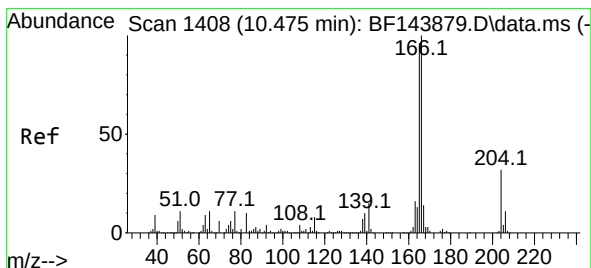
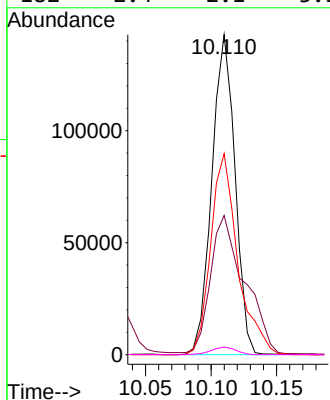
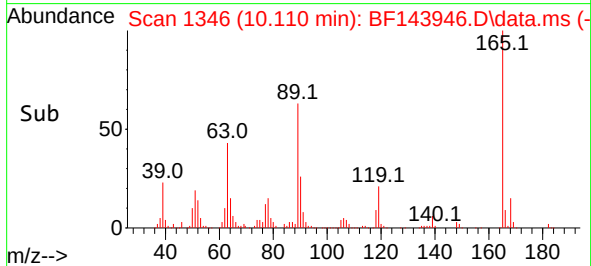


Tgt Ion:165 Resp: 175714
Ion Ratio Lower Upper
165 100
63 43.5 37.2 55.8
89 62.8 49.4 74.2
182 2.4 2.1 3.1

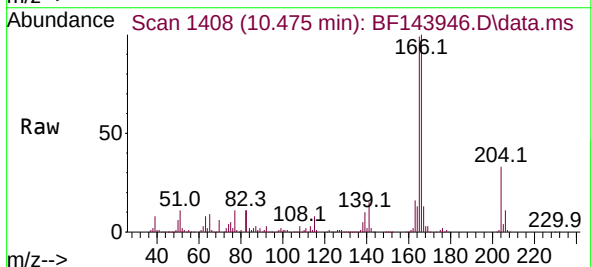
Manual Integrations

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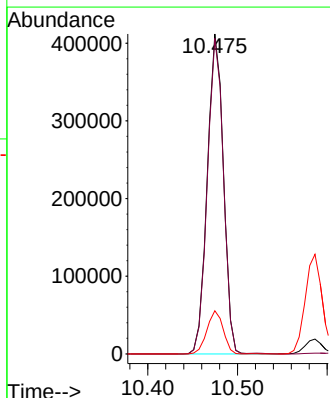
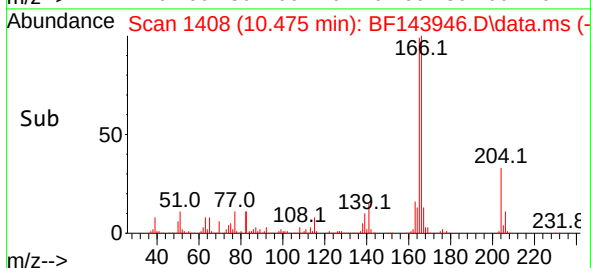
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

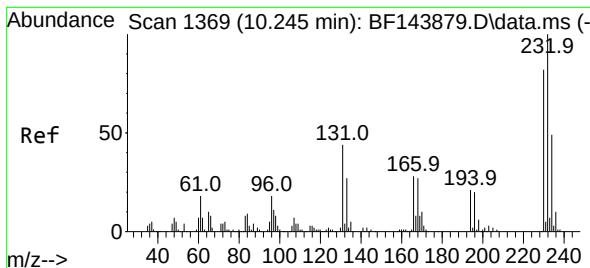


#58
Fluorene
Concen: 39.886 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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





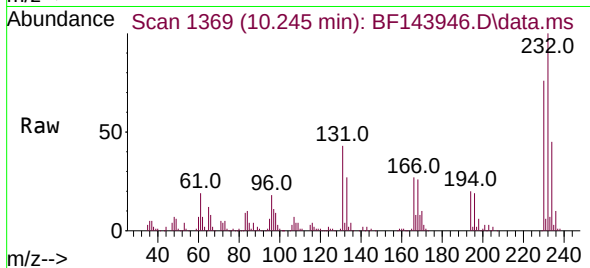
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.453 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

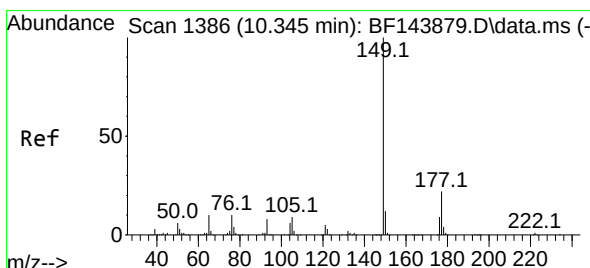
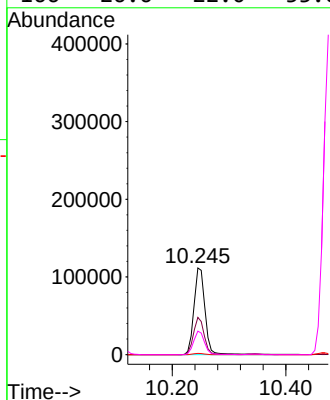
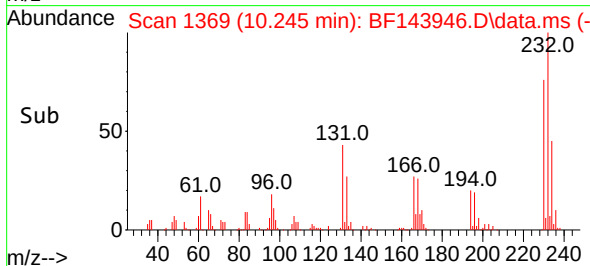


Tgt Ion:232 Resp: 149408
Ion Ratio Lower Upper
232 100
131 41.6 34.9 52.3
130 1.3 1.6 2.4
166 26.6 22.0 33.0

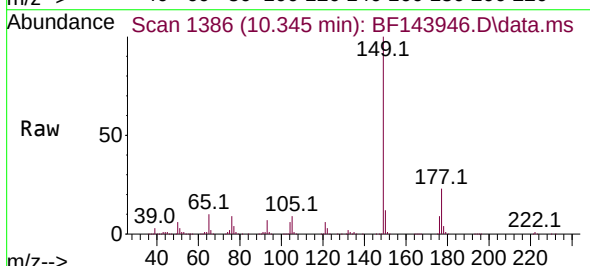
Manual Integrations

APPROVED

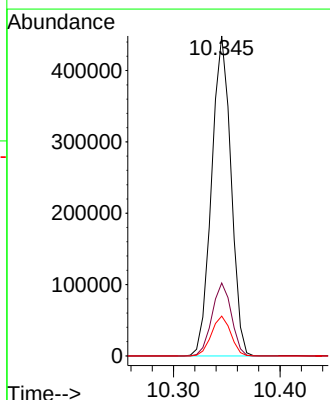
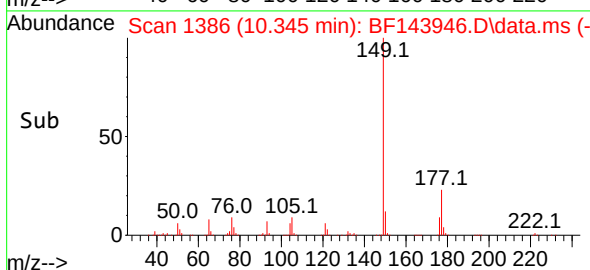
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

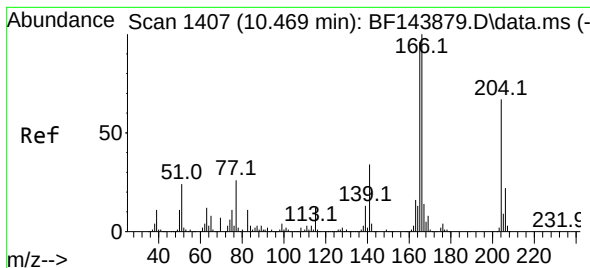


#60
Diethylphthalate
Concen: 40.437 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



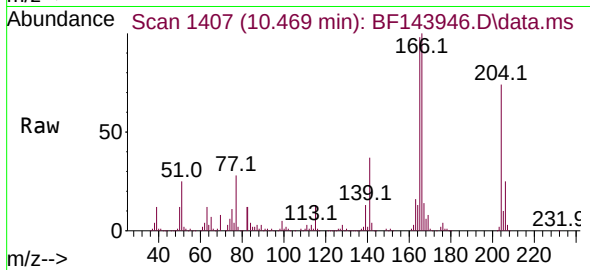
Tgt Ion:149 Resp: 569179
Ion Ratio Lower Upper
149 100
177 22.8 17.9 26.9
150 12.4 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 41.172 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

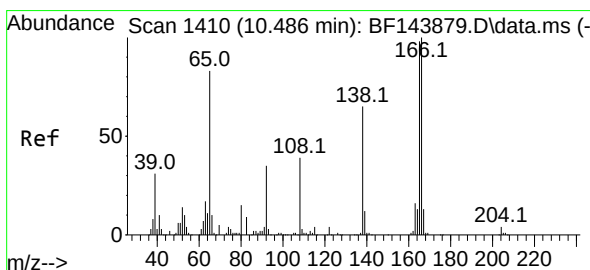
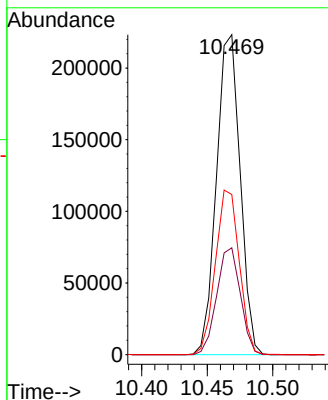
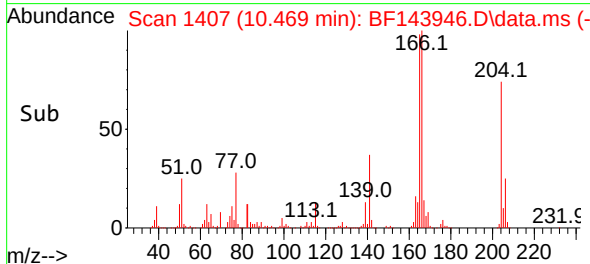
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



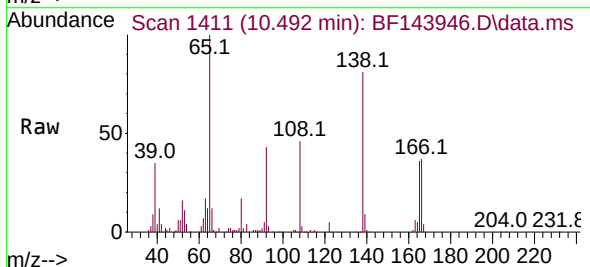
Tgt Ion:204 Resp: 281308
Ion Ratio Lower Upper
204 100
206 33.4 26.6 40.0
141 50.0 40.4 60.6

Manual Integrations
APPROVED

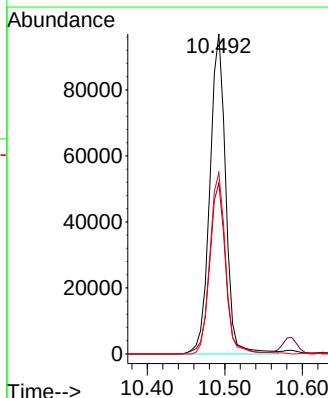
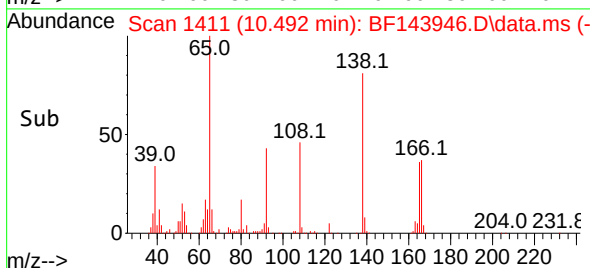
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

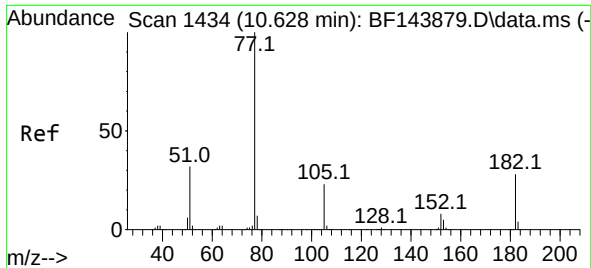


#62
4-Nitroaniline
Concen: 41.668 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



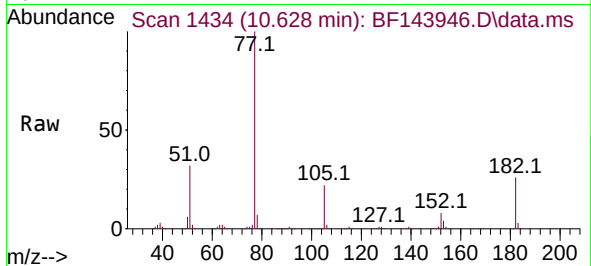
Tgt Ion:138 Resp: 137840
Ion Ratio Lower Upper
138 100
92 53.4 33.9 73.9
108 56.6 40.2 80.2





#63
Azobenzene
Concen: 42.361 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

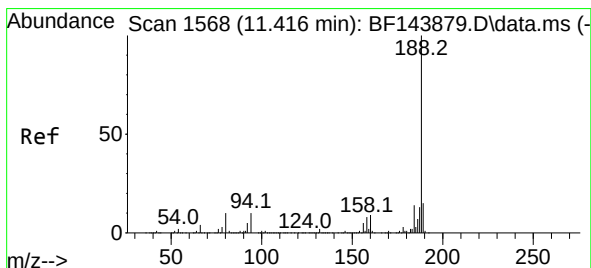
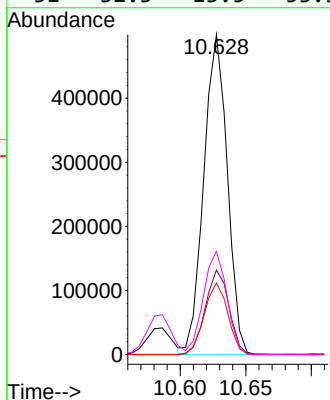
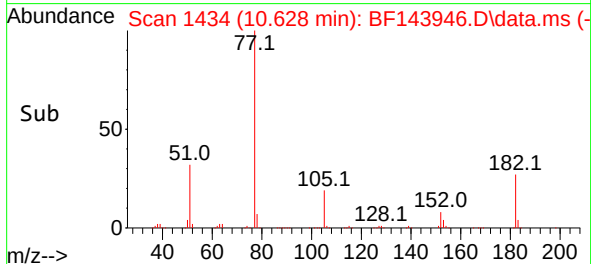
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



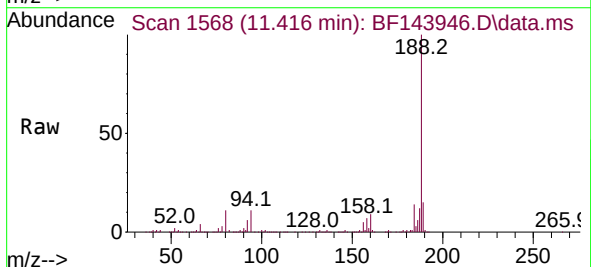
Tgt Ion: 77 Resp: 623168
Ion Ratio Lower Upper
77 100
182 26.4 7.3 47.3
105 22.4 3.0 43.0
51 32.3 13.5 53.5

Manual Integrations
APPROVED

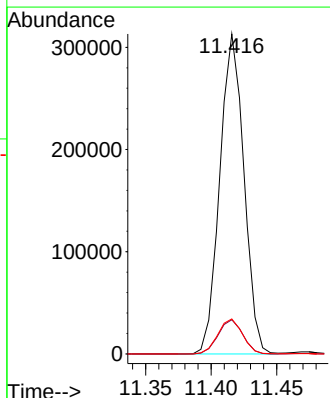
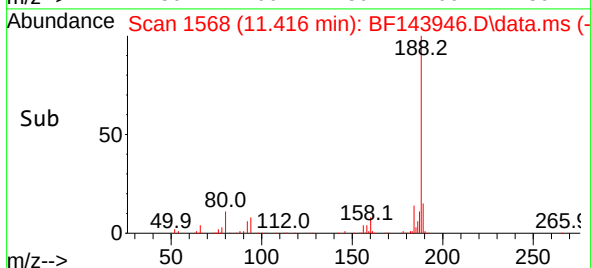
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

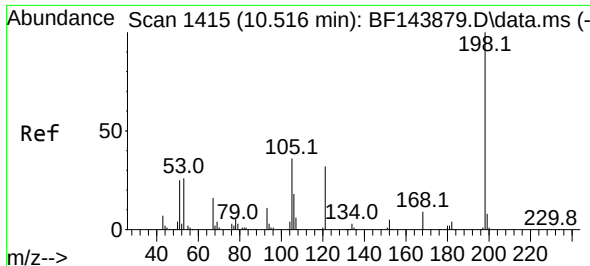


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



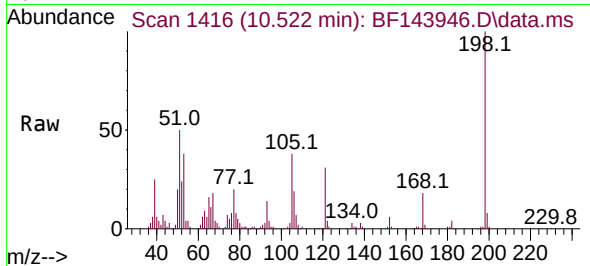
Tgt Ion:188 Resp: 401091
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 10.9 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 46.114 ng
RT: 10.522 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

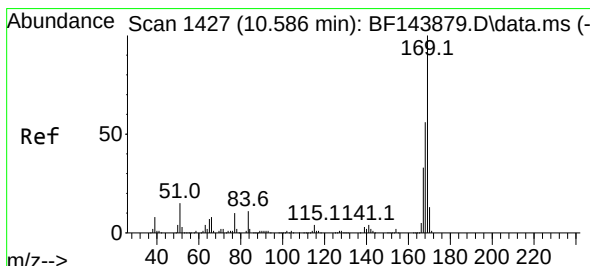
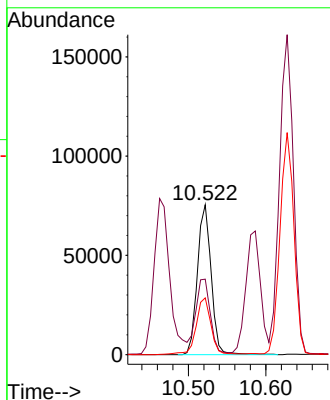
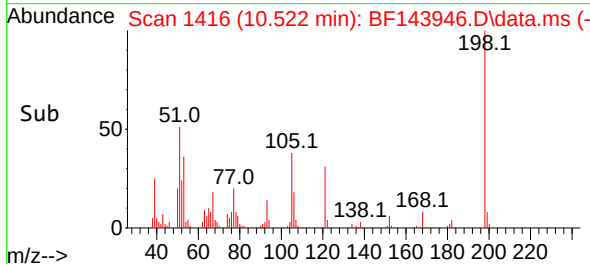
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



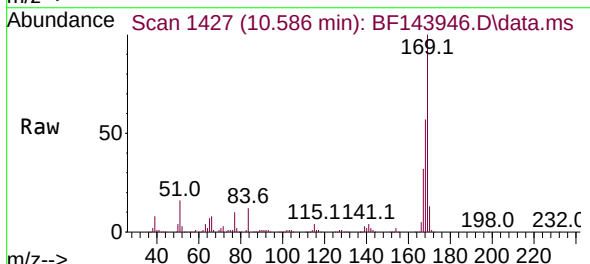
Tgt Ion:198 Resp: 9294
Ion Ratio Lower Upper
198 100
51 50.4 33.8 73.8
105 37.8 17.0 57.0

Manual Integrations
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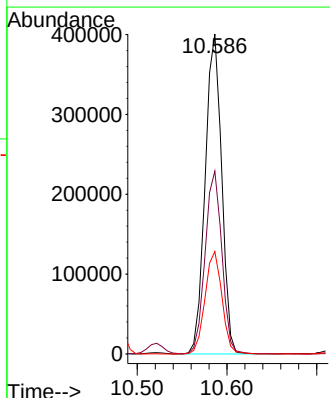
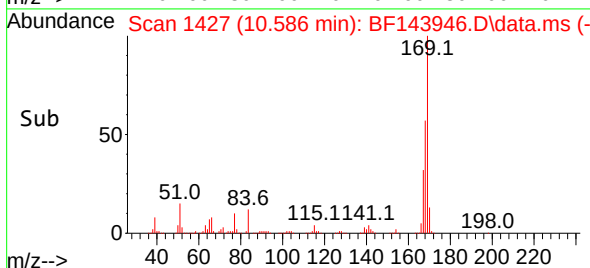
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

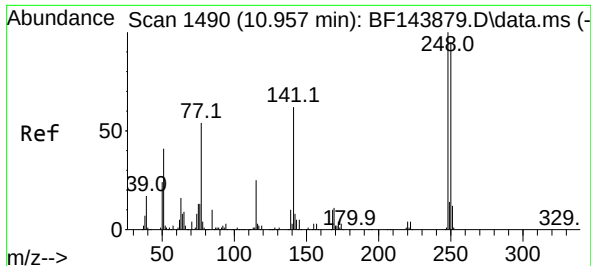


#66
n-Nitrosodiphenylamine
Concen: 40.545 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



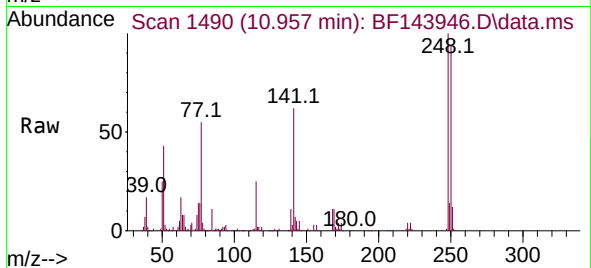
Tgt Ion:169 Resp: 510617
Ion Ratio Lower Upper
169 100
168 57.1 44.9 67.3
167 32.0 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 40.507 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

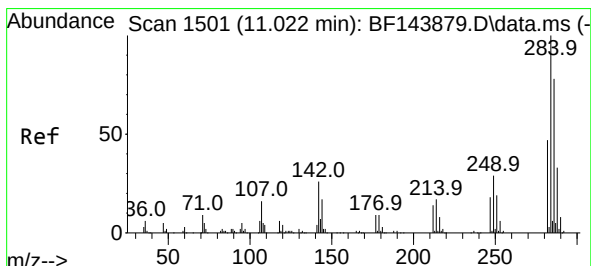
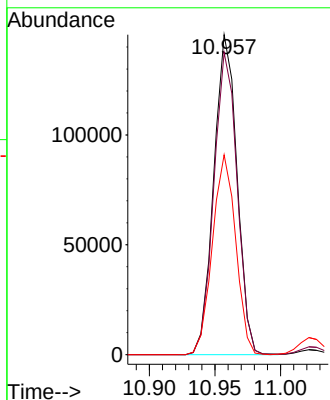
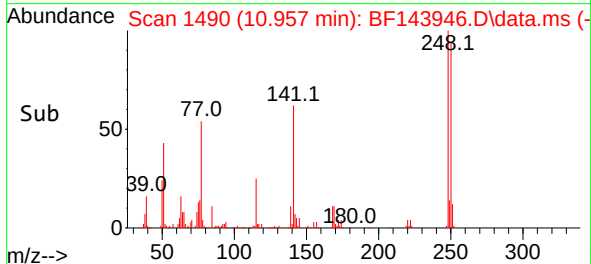
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



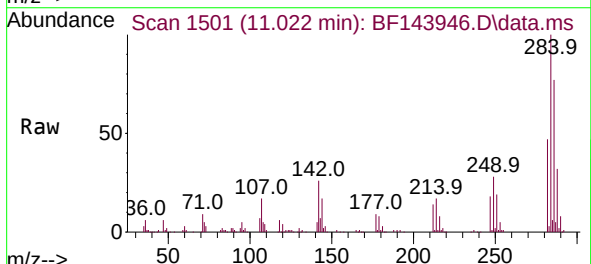
Tgt Ion:248 Resp: 179555
Ion Ratio Lower Upper
248 100
250 94.4 76.3 114.5
141 62.4 49.7 74.5

Manual Integrations
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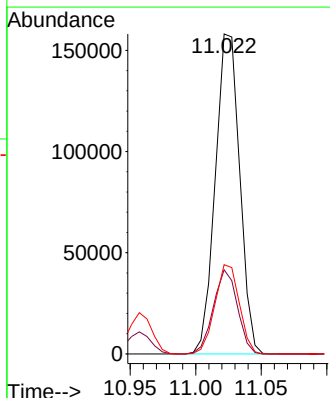
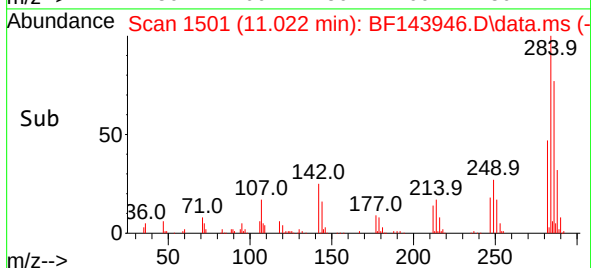
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

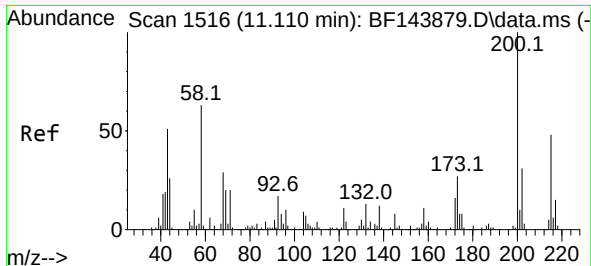


#68
Hexachlorobenzene
Concen: 39.902 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



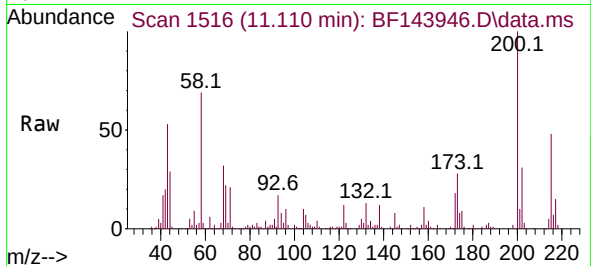
Tgt Ion:284 Resp: 204767
Ion Ratio Lower Upper
284 100
142 26.3 20.6 30.8
249 27.9 23.2 34.8





#69
Atrazine
Concen: 39.446 ng
RT: 11.110 min Scan# 1516
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

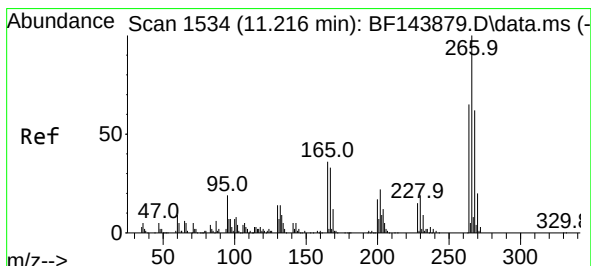
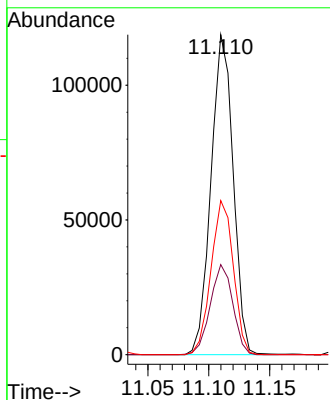
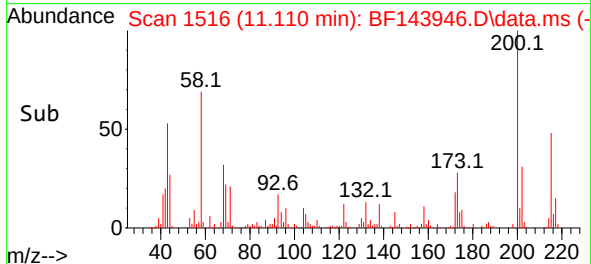
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



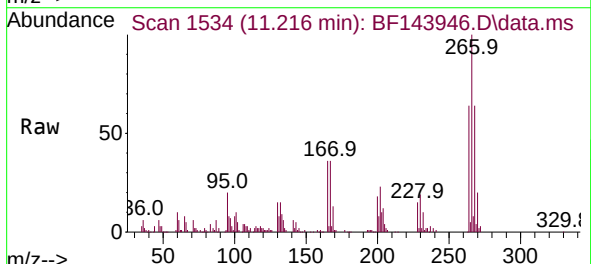
Tgt Ion:200 Resp: 15057
Ion Ratio Lower Upper
200 100
173 28.1 7.0 47.0
215 48.1 27.8 67.8

Manual Integrations
APPROVED

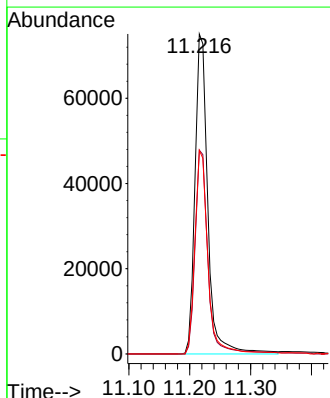
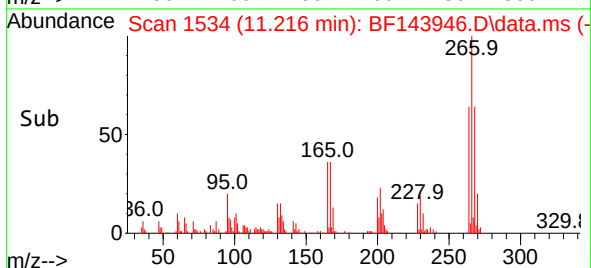
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

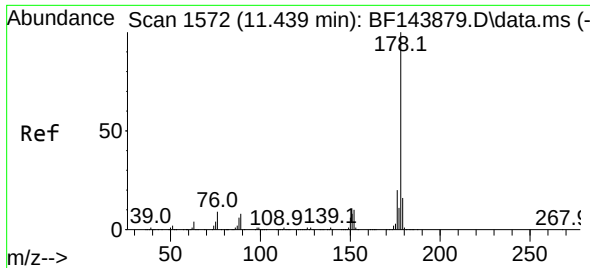


#70
Pentachlorophenol
Concen: 37.358 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



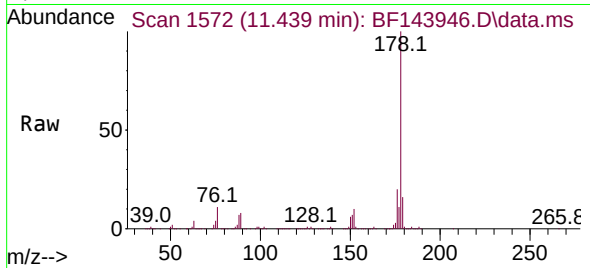
Tgt Ion:266 Resp: 110105
Ion Ratio Lower Upper
266 100
268 63.7 49.4 74.0
264 63.6 51.8 77.6





#71
Phenanthrene
Concen: 40.101 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

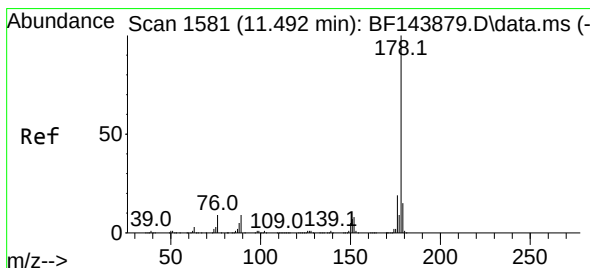
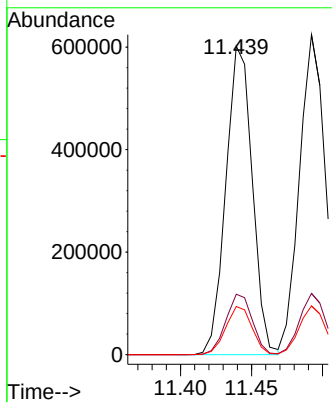
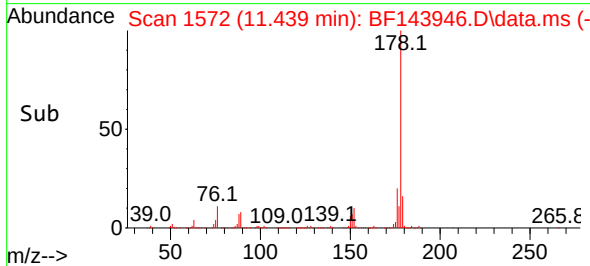
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



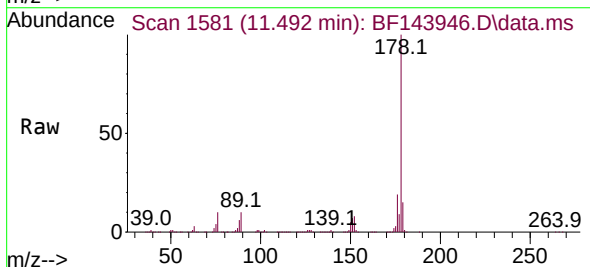
Tgt Ion:178 Resp: 779766
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.6 12.4 18.6

Manual Integrations
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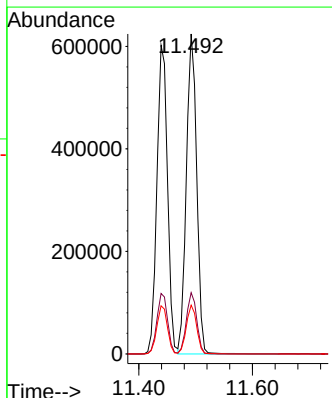
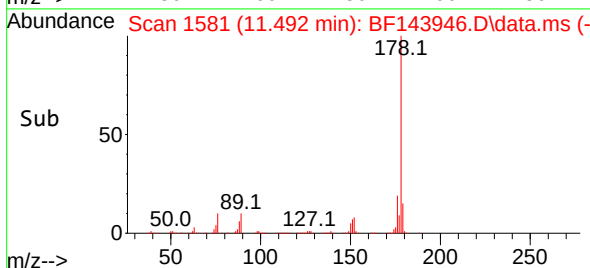
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

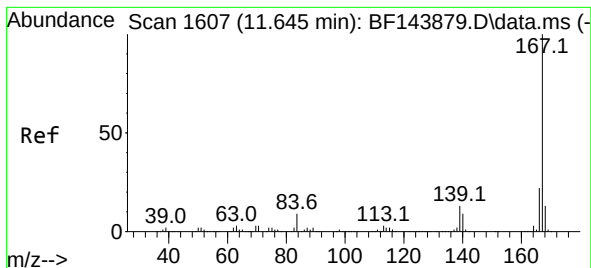


#72
Anthracene
Concen: 40.330 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



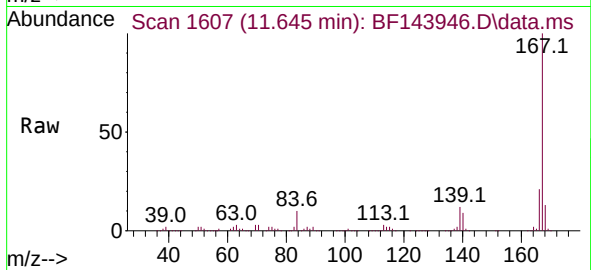
Tgt Ion:178 Resp: 792245
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 15.2 12.2 18.2





#73
 Carbazole
 Concen: 40.194 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF143946.D
 Acq: 14 Oct 2025 13:57

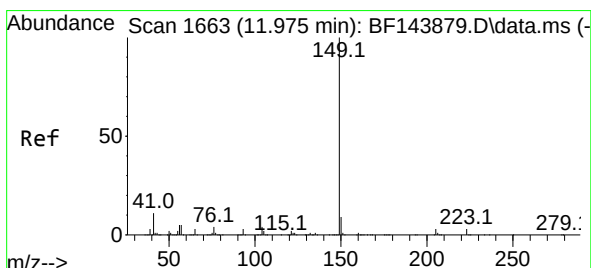
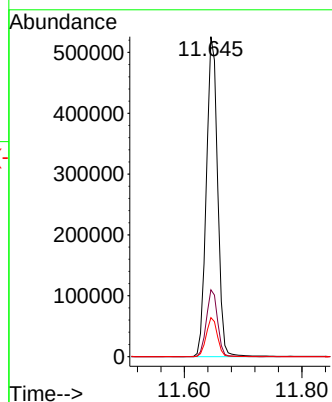
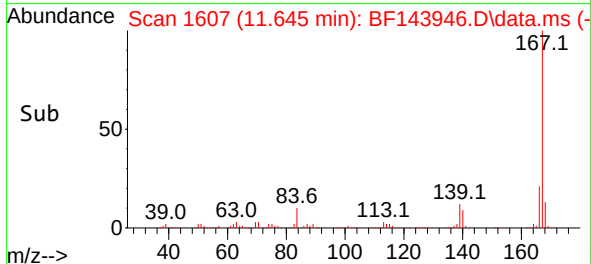
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



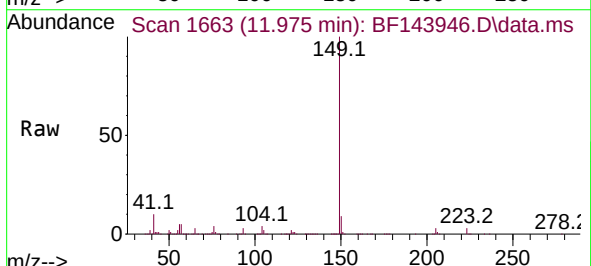
Tgt Ion:167 Resp: 699298
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.2 25.8
 139 12.2 10.1 15.1

Manual Integrations
 APPROVED

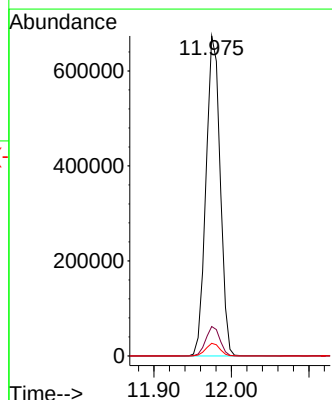
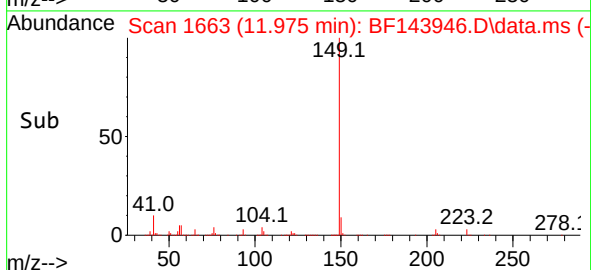
Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

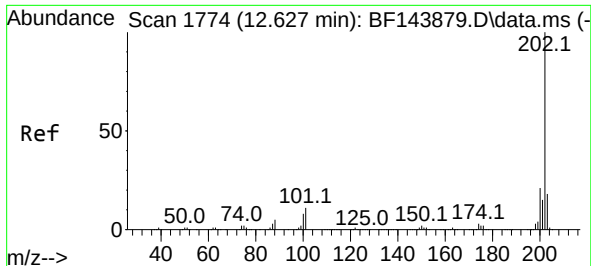


#74
 Di-n-butylphthalate
 Concen: 42.420 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF143946.D
 Acq: 14 Oct 2025 13:57



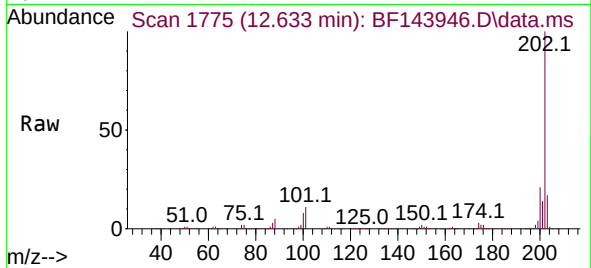
Tgt Ion:149 Resp: 855352
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 3.9 3.4 5.2





#75
Fluoranthene
Concen: 39.552 ng
RT: 12.633 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

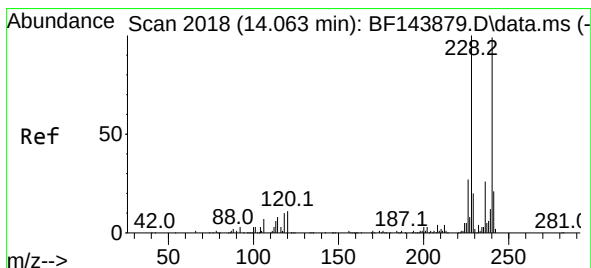
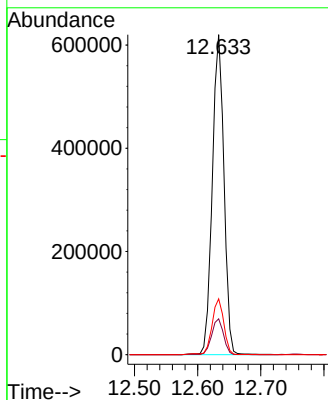
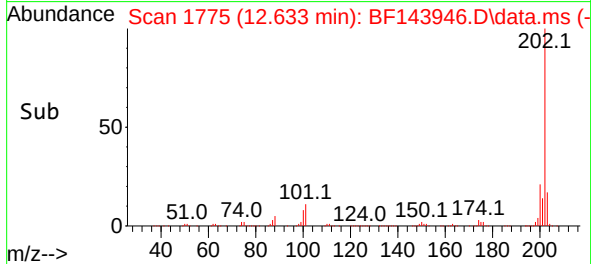
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



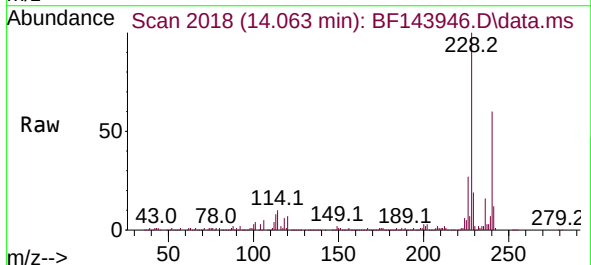
Tgt Ion:202 Resp: 794413
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
APPROVED

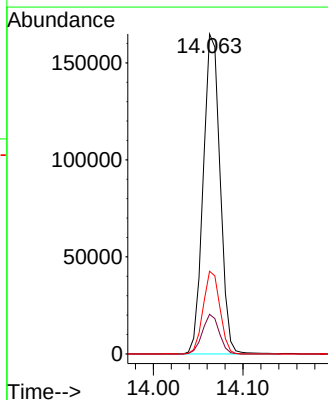
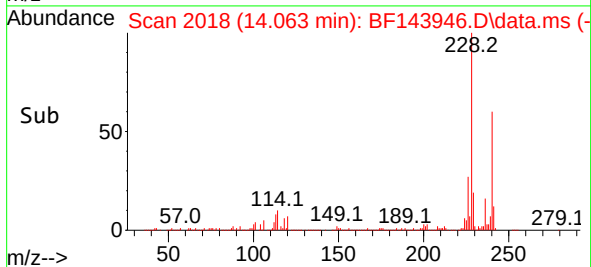
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

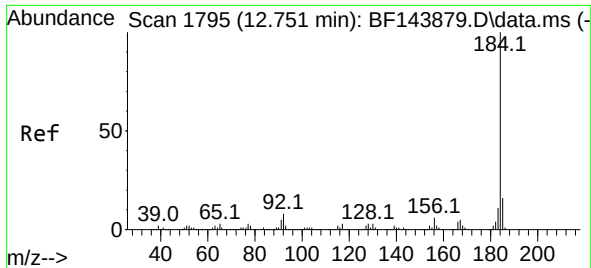


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



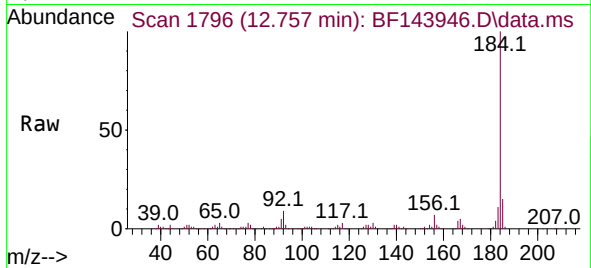
Tgt Ion:240 Resp: 215371
Ion Ratio Lower Upper
240 100
120 12.4 8.6 13.0
236 25.8 21.1 31.7





#77
Benzidine
Concen: 33.841 ng
RT: 12.757 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

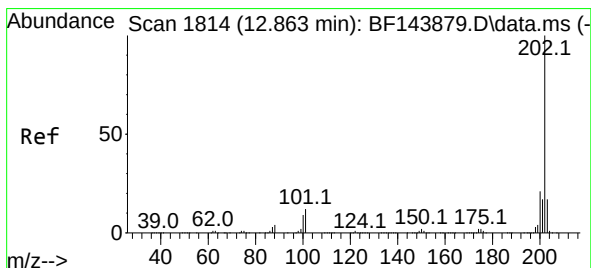
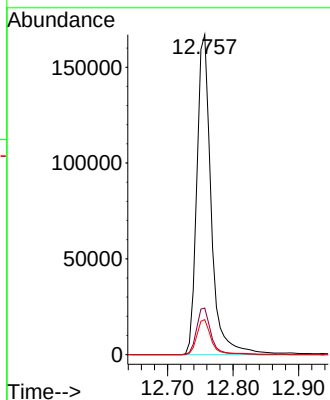
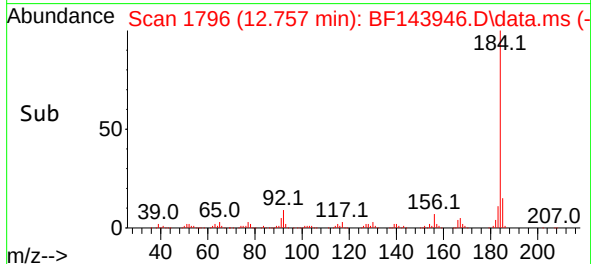
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



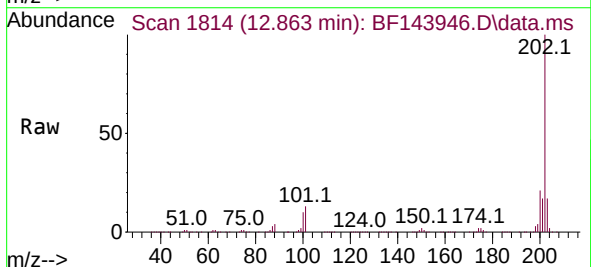
Tgt Ion:184 Resp: 253062
Ion Ratio Lower Upper
184 100
185 14.5 12.6 18.8
183 10.9 8.8 13.2

Manual Integrations
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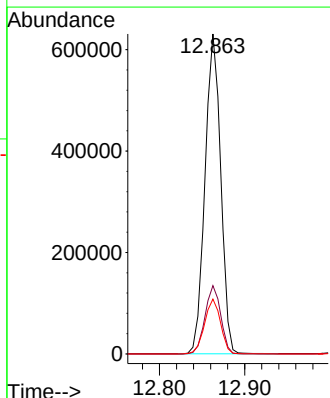
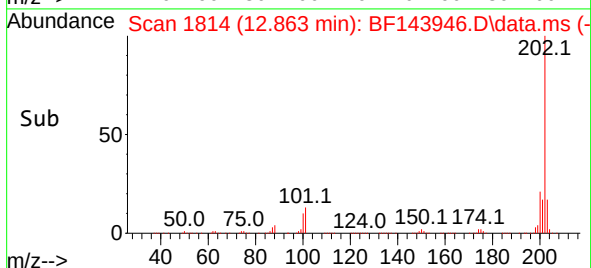
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

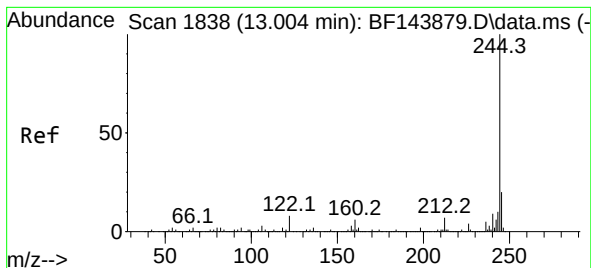


#78
Pyrene
Concen: 44.975 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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# 1838

Delta R.T. -0.006 min

Lab File: BF143946.D

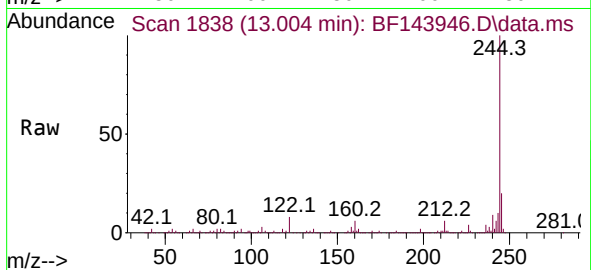
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:244 Resp: 1149086

Ion Ratio Lower Upper

244 100

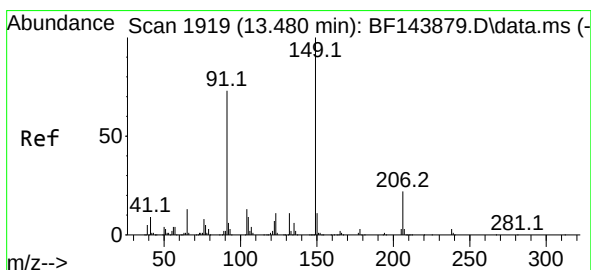
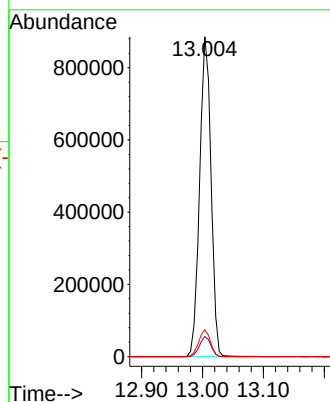
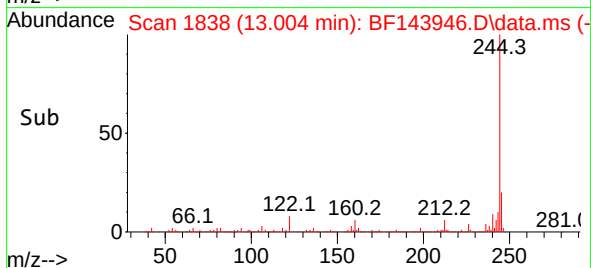
212 6.3 5.4 8.0

122 8.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

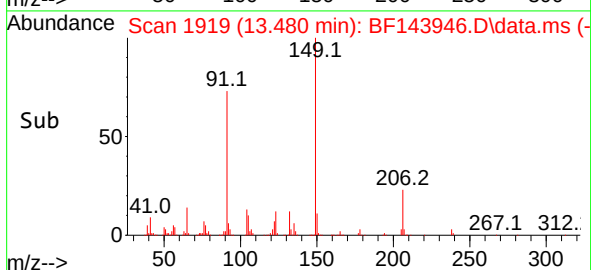
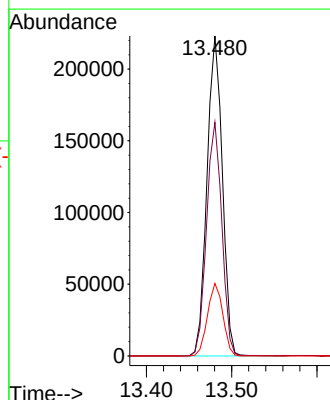
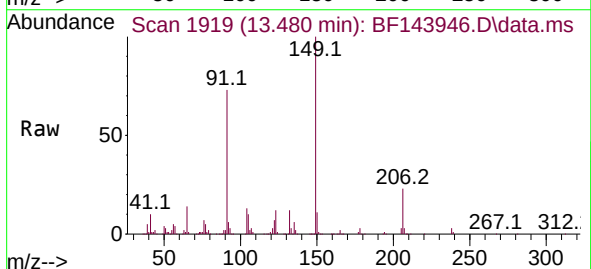
Tgt Ion:149 Resp: 279216

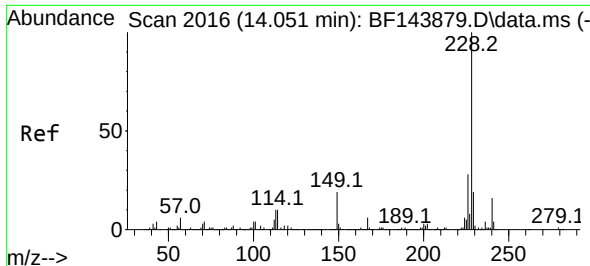
Ion Ratio Lower Upper

149 100

91 73.0 58.2 87.2

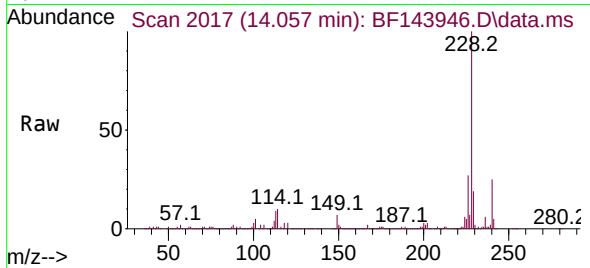
206 22.6 17.9 26.9





#81
Benzo(a)anthracene
Concen: 43.884 ng
RT: 14.057 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

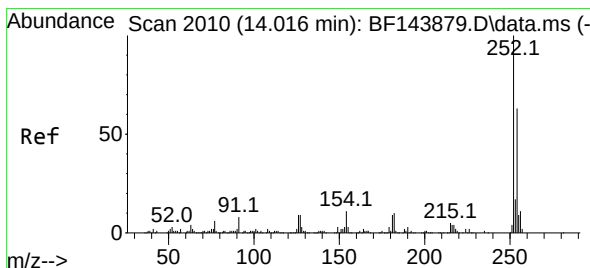
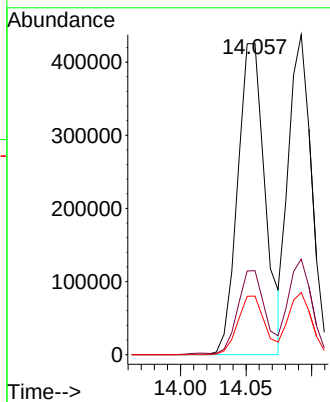
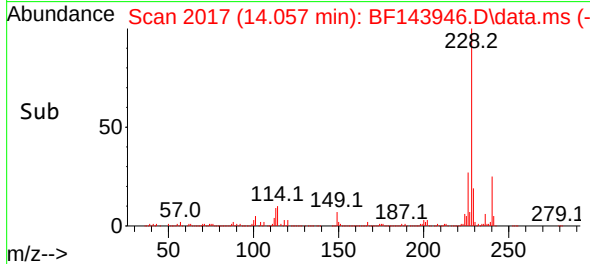
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



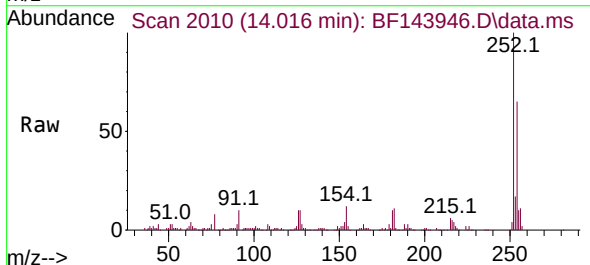
Tgt Ion:228 Resp: 618496
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.2
229 18.8 15.6 23.4

Manual Integrations
APPROVED

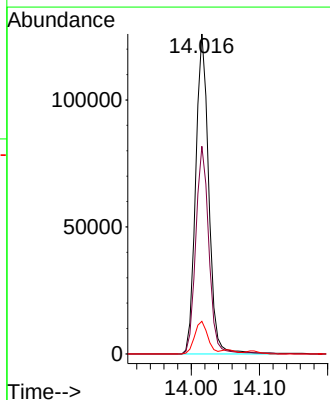
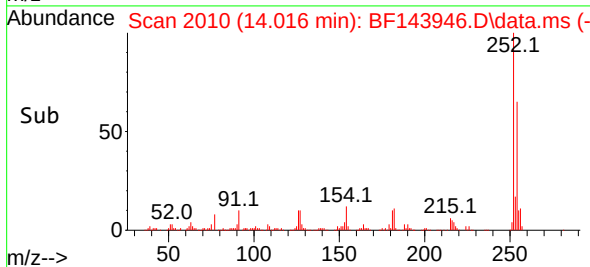
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

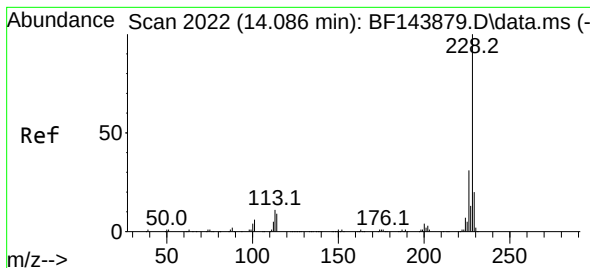


#82
3,3'-Dichlorobenzidine
Concen: 39.048 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

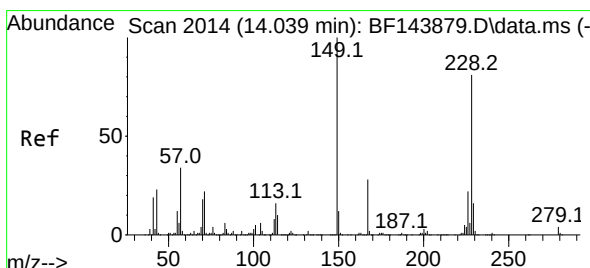
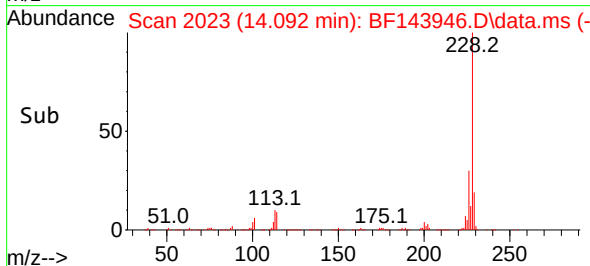
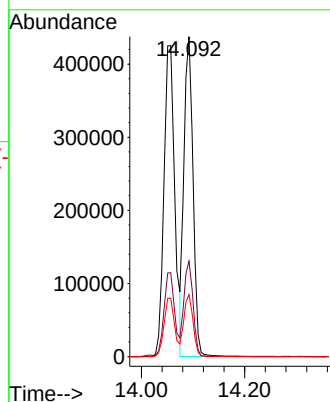
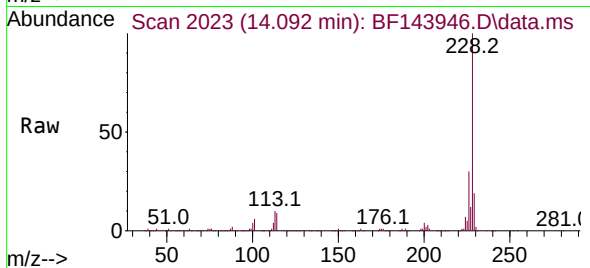
Tgt Ion:228 Resp: 535510

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	19.4	15.9	23.9

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

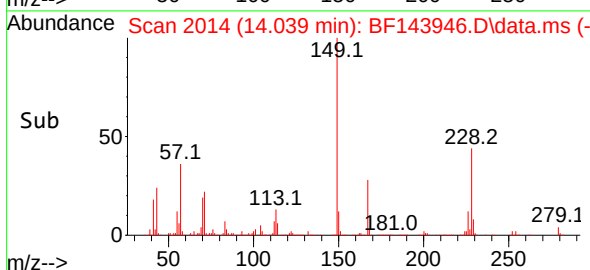
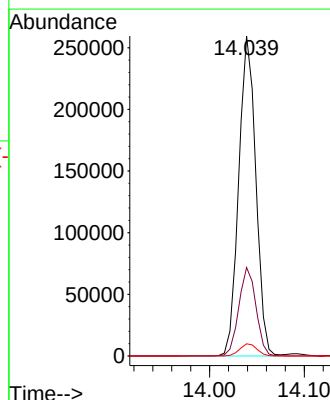
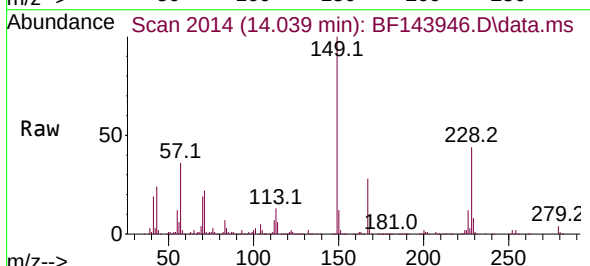
Delta R.T. 0.000 min

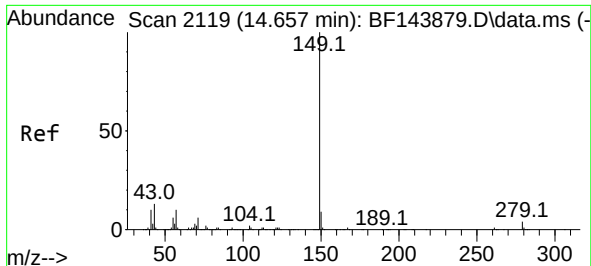
Lab File: BF143946.D

Acq: 14 Oct 2025 13:57

Tgt Ion:149 Resp: 326413

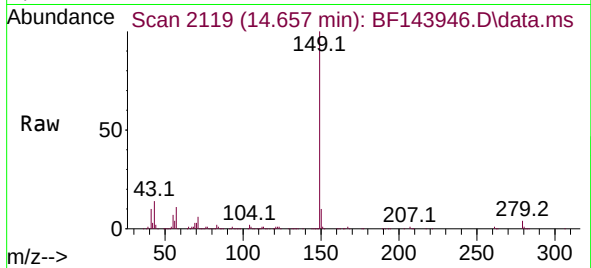
Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	3.8	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 43.470 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

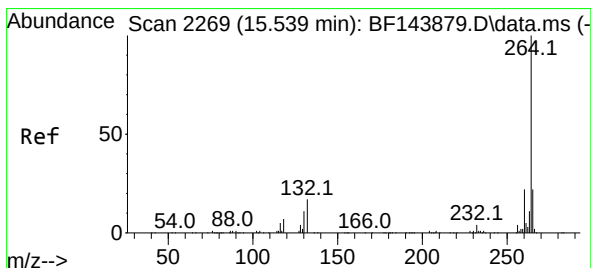
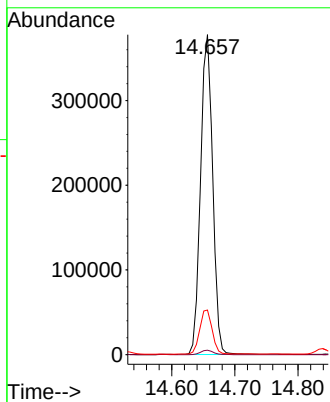
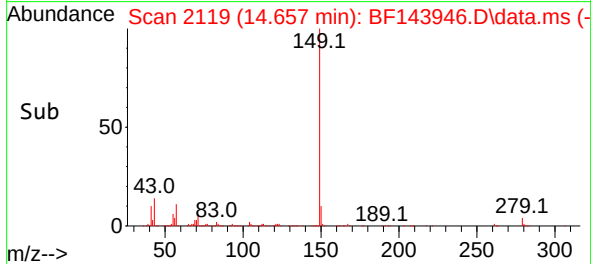
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



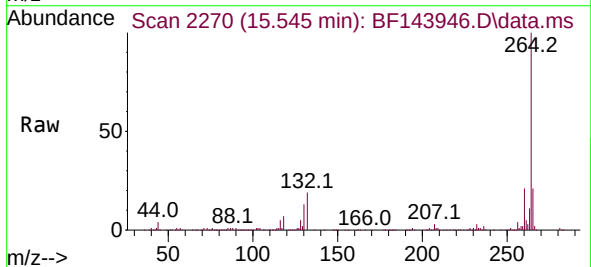
Tgt Ion:149 Resp: 501872
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 14.3 11.0 16.4

Manual Integrations
APPROVED

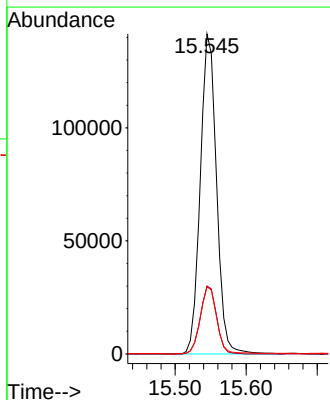
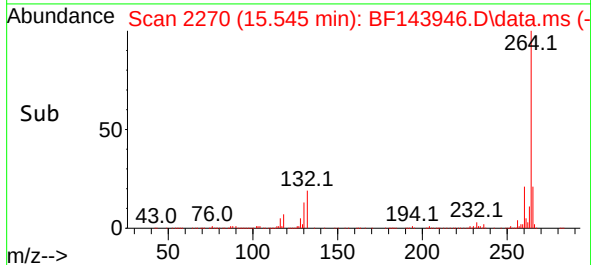
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

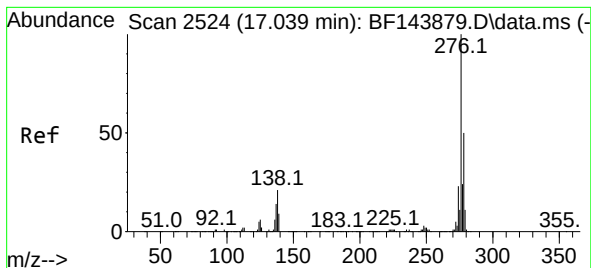


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57



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# 2196

Delta R.T. -0.006 min

Lab File: BF143946.D

Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTCCCC040

Tgt Ion:276 Resp: 65404

Ion Ratio Lower Upper

276 100

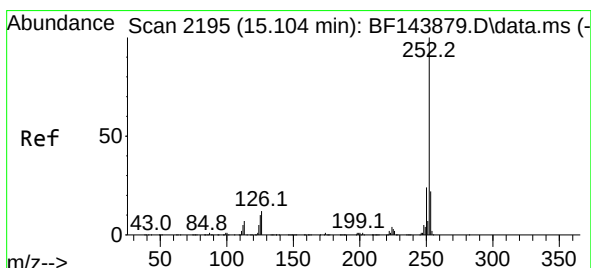
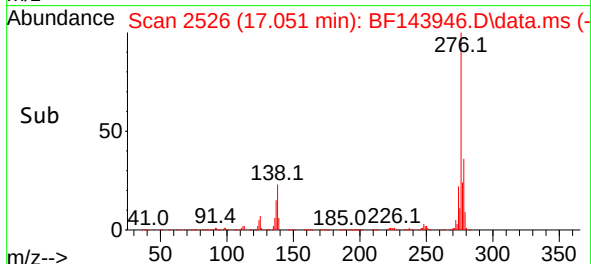
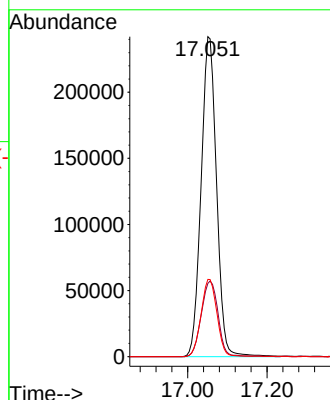
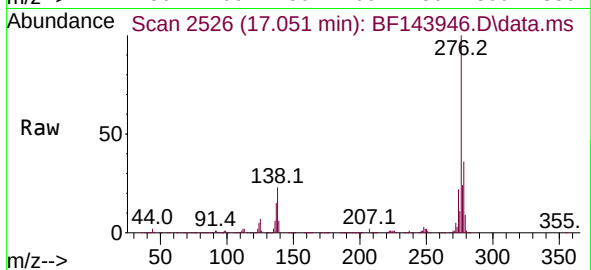
138 25.6 18.2 27.2

277 24.9 19.8 29.6

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

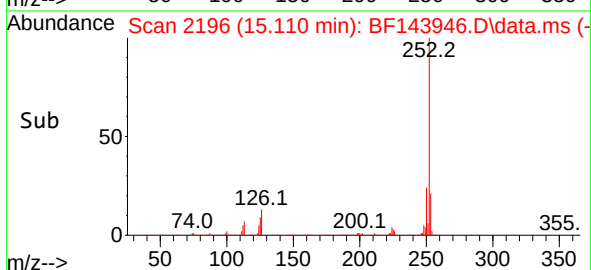
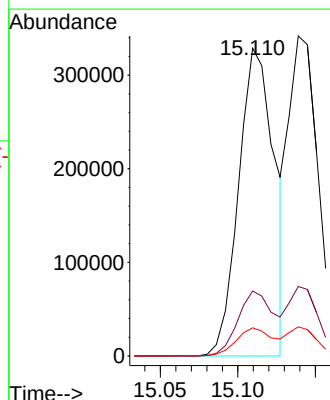
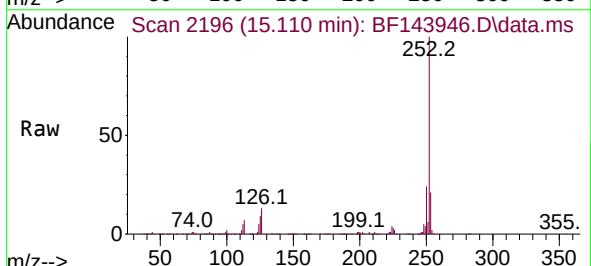
Tgt Ion:252 Resp: 527965

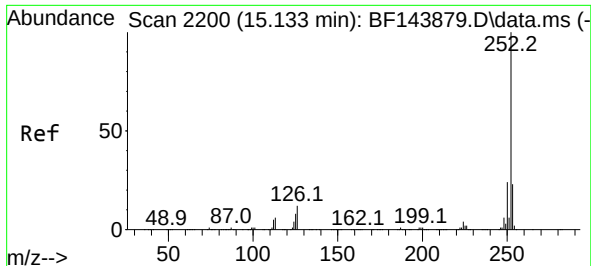
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF143946.D

Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 458608

Ion Ratio Lower Upper

252 100

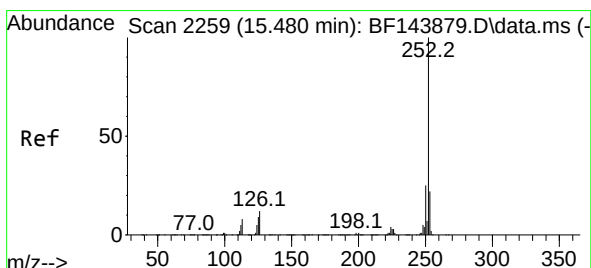
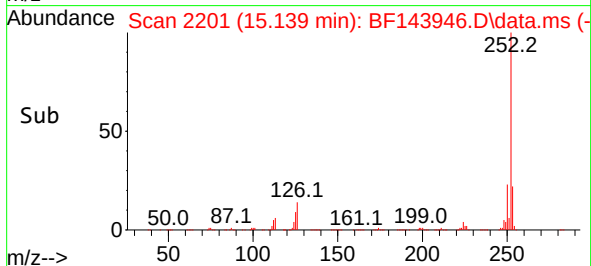
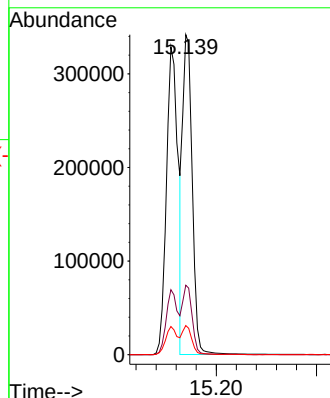
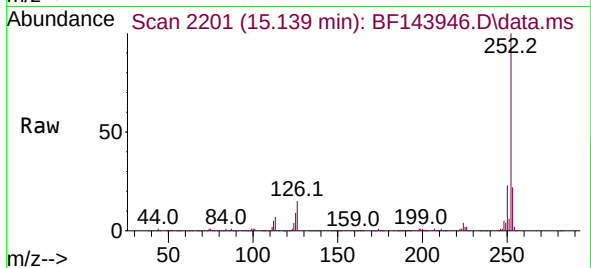
253 21.7 17.8 26.8

125 9.1 7.4 11.2

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

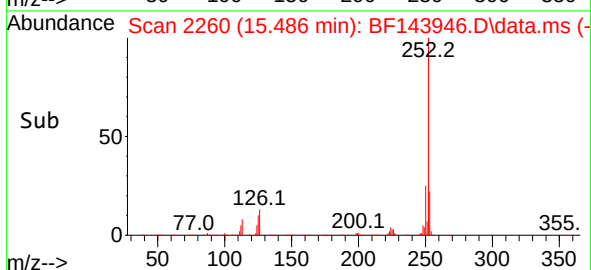
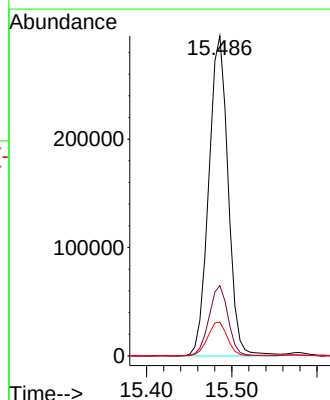
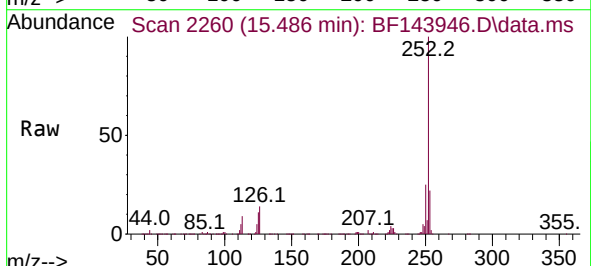
Tgt Ion:252 Resp: 465078

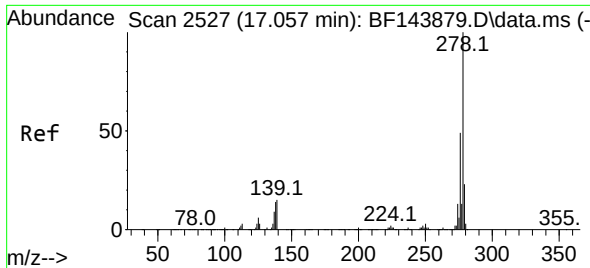
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.5 7.0 10.4#





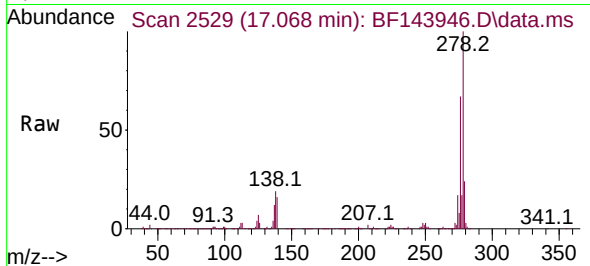
#91
Dibenzo(a,h)anthracene
Concen: 46.900 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF143946.D
Acq: 14 Oct 2025 13:57

Instrument :

BNA_F

ClientSampleId :

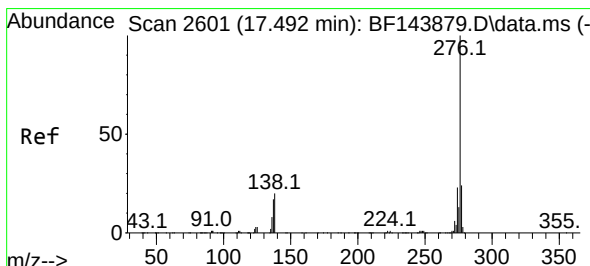
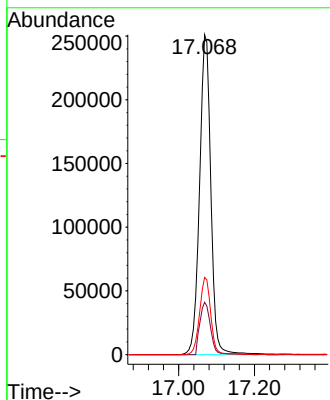
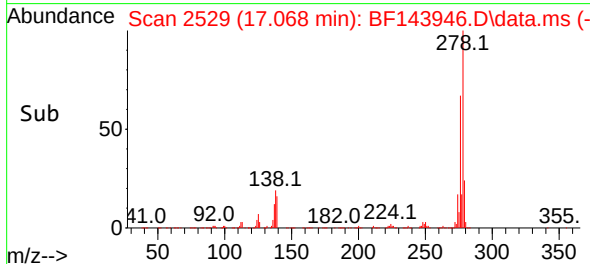
SSTDCCC040



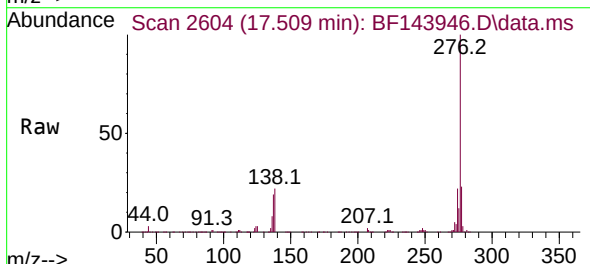
Tgt Ion:278 Resp: 51694
Ion Ratio Lower Upper
278 100
139 16.4 11.7 17.5
279 24.1 18.4 27.6

Manual Integrations
APPROVED

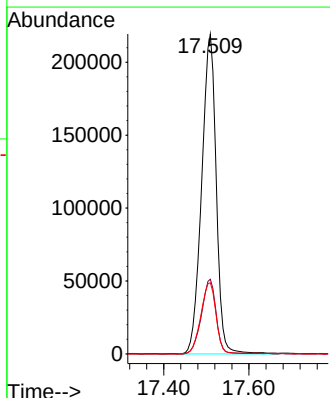
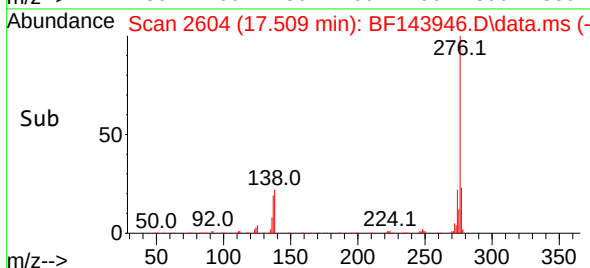
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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	Benزيدine	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
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
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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	Benzydine	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

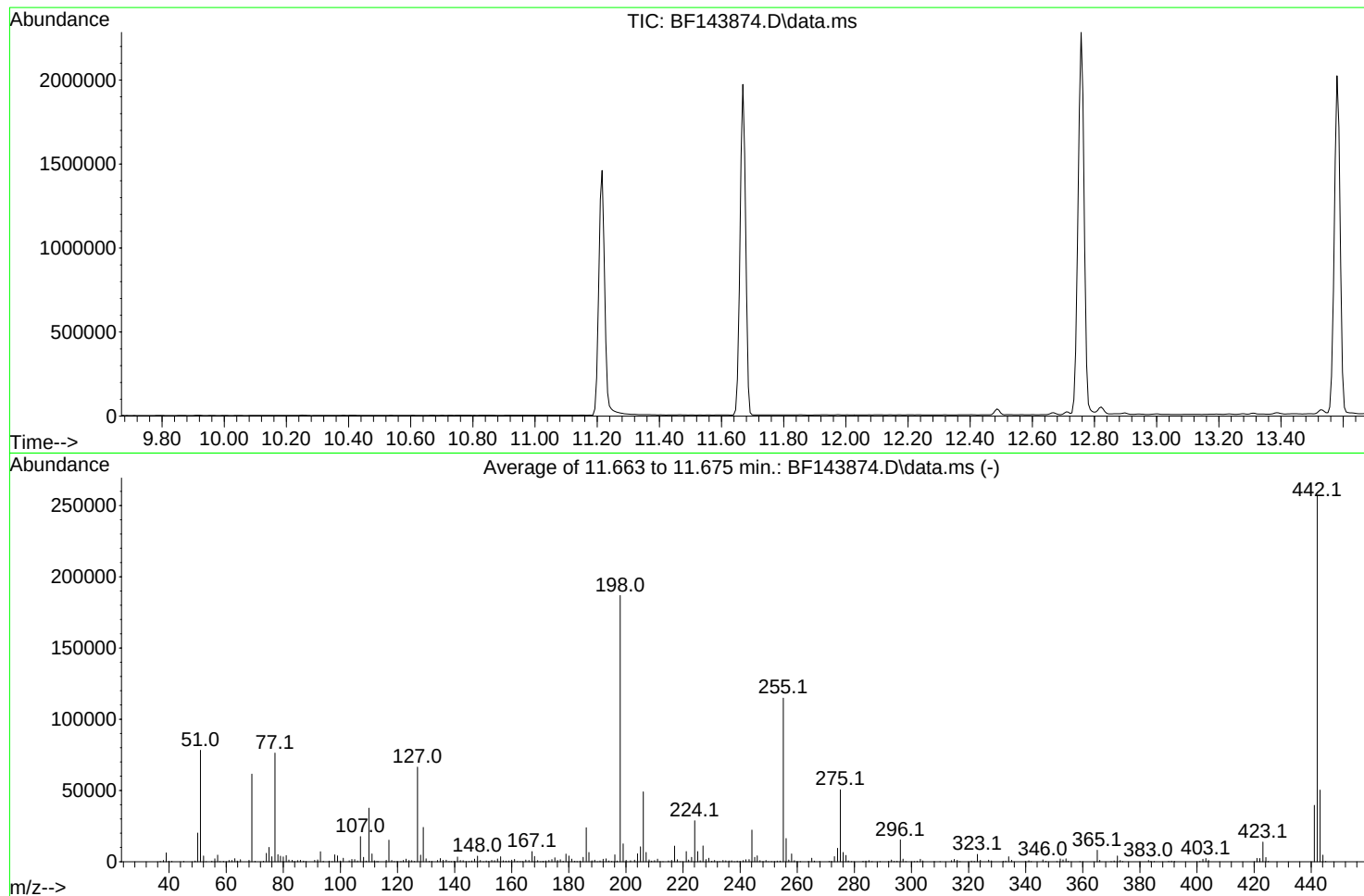
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

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



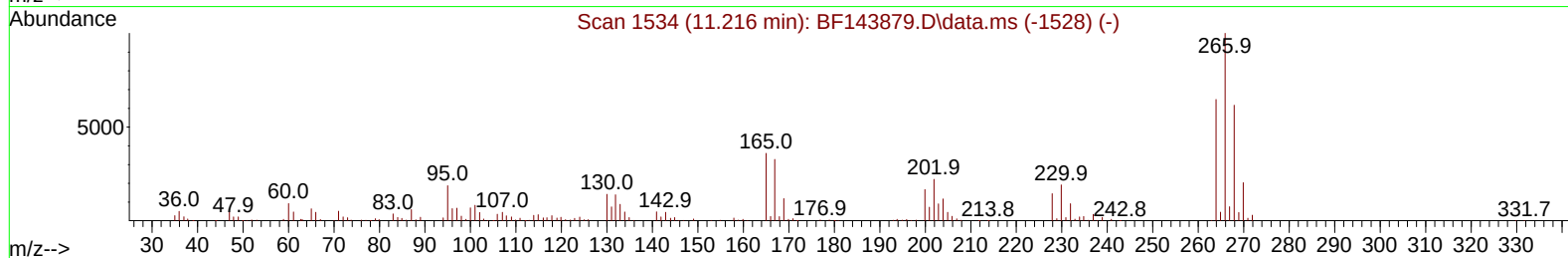
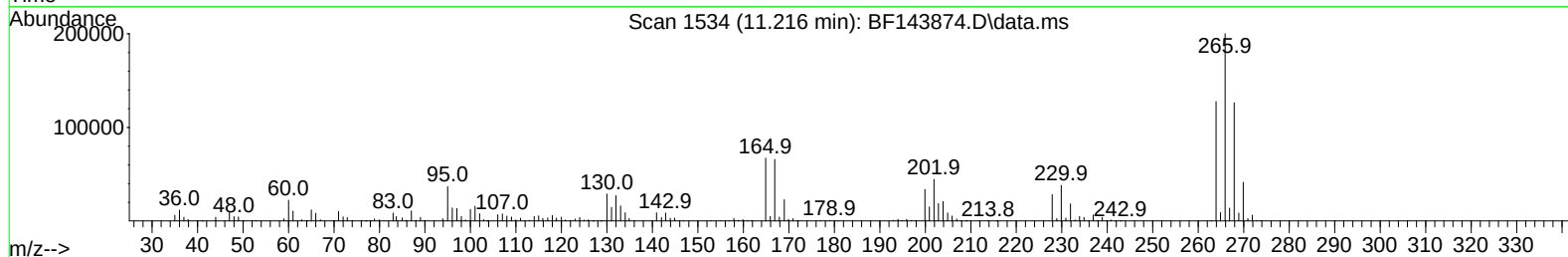
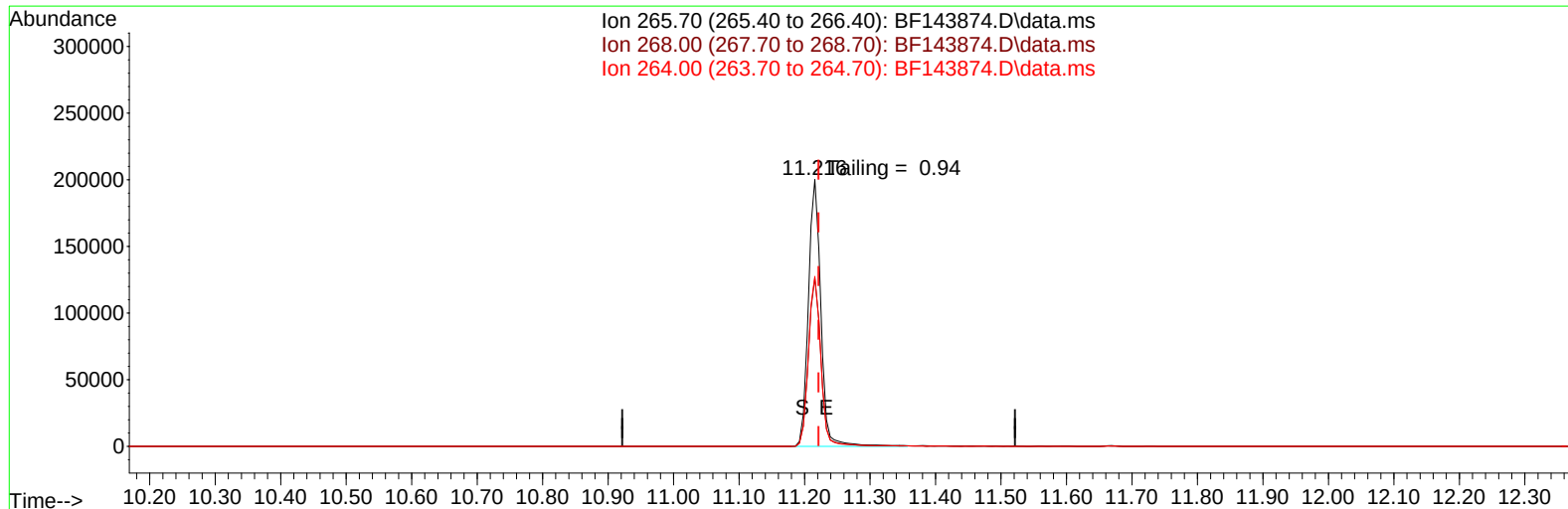
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	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

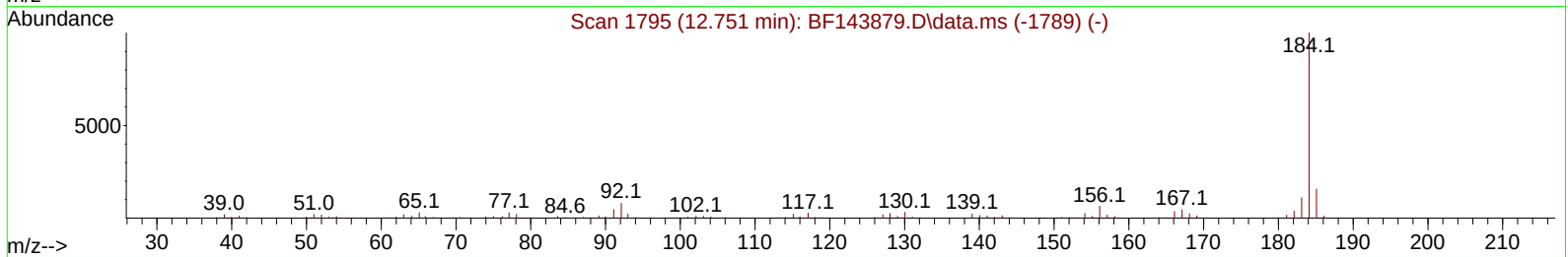
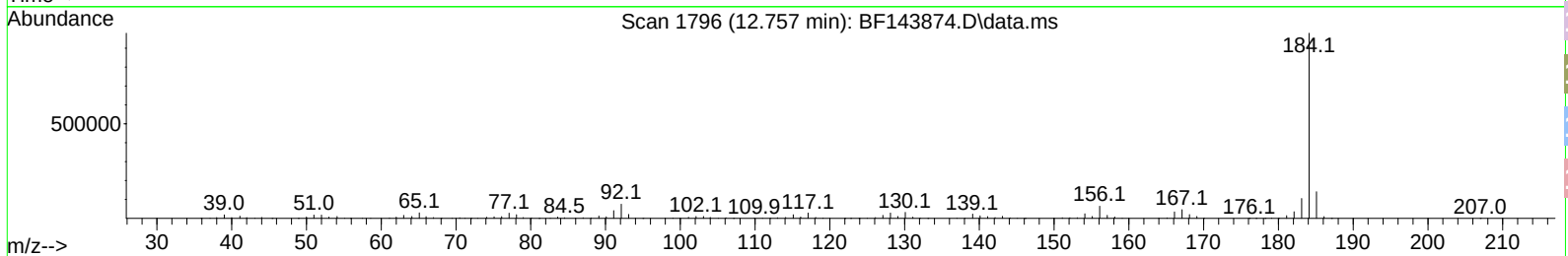
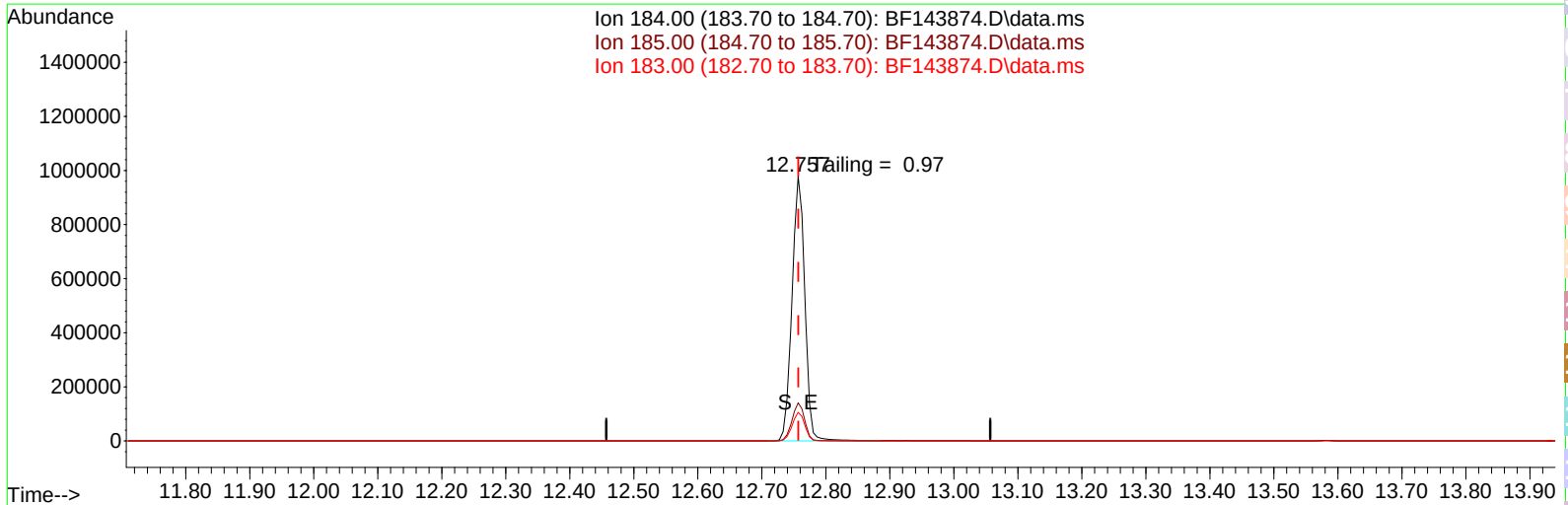
response 265194

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

DDT Breakdown

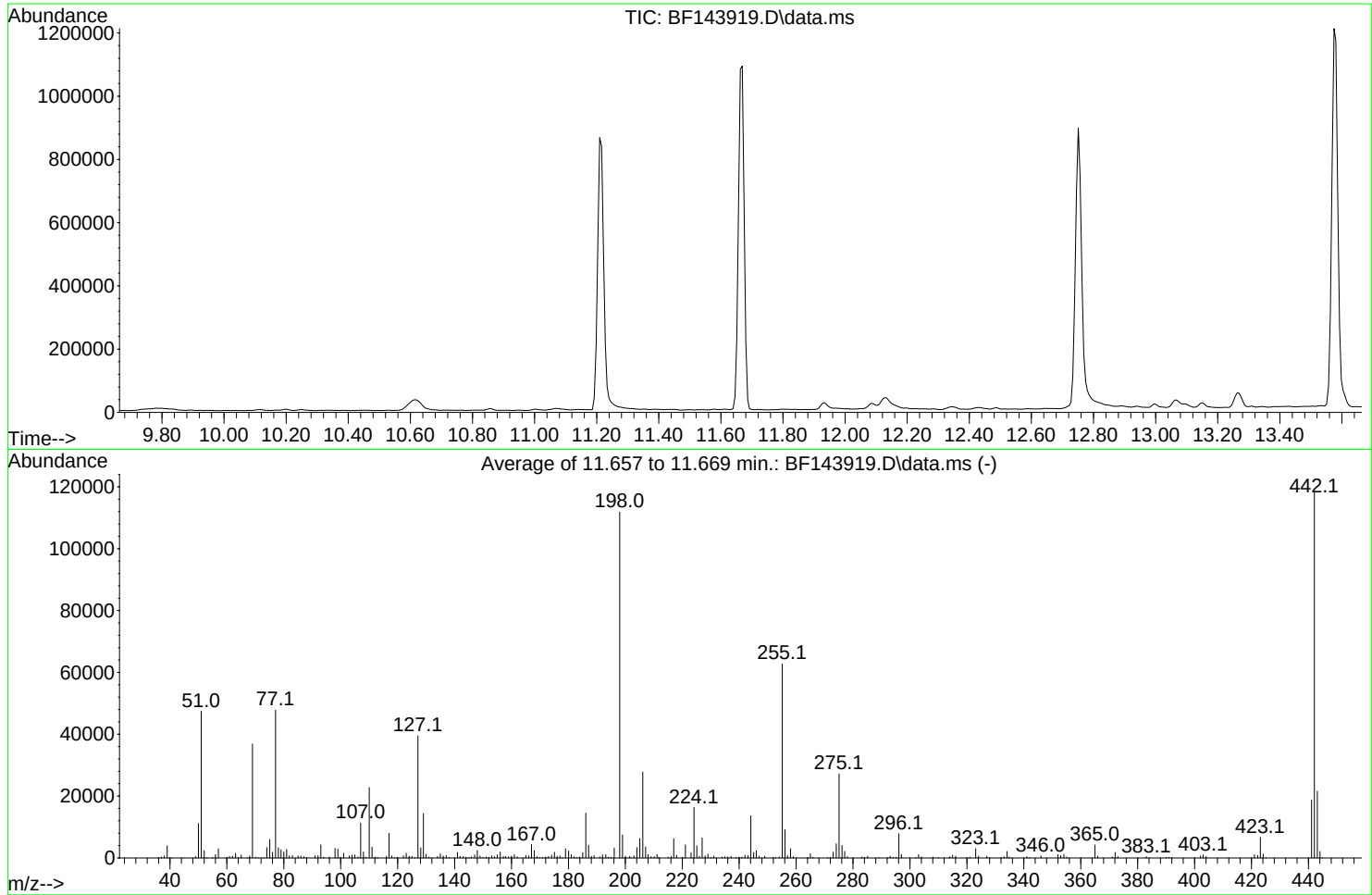
Date	Instrument Name	DFTPP Data File
10/6/2025	BNA_F	<u>BF143874.D</u>
Compound Name	Response	Retention Time
DDT	503395	13.58
DDD	4048	13.31
DDE	763	12.945
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4811	508206	0.95

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



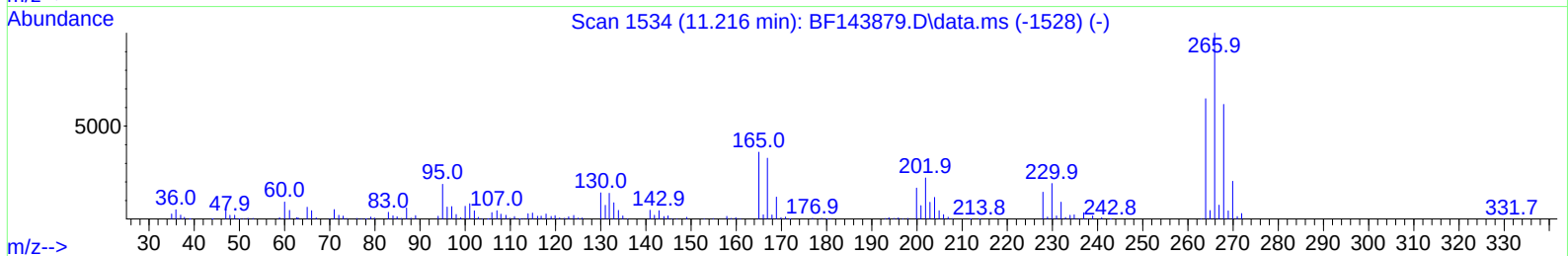
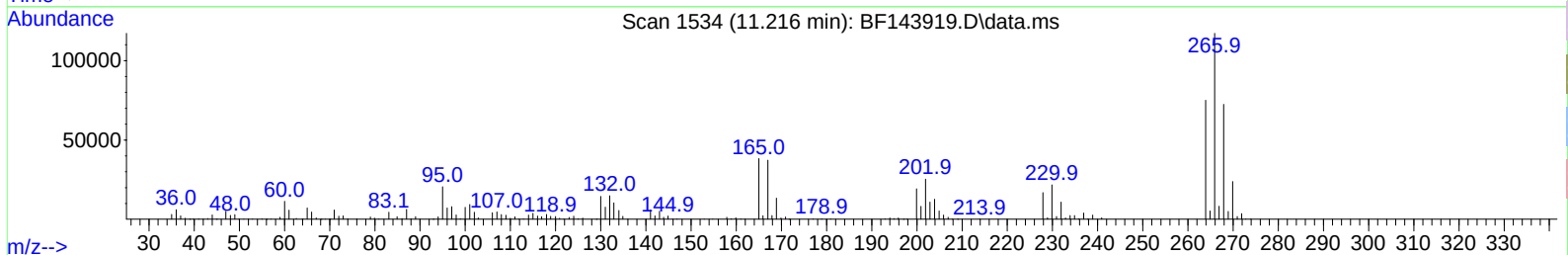
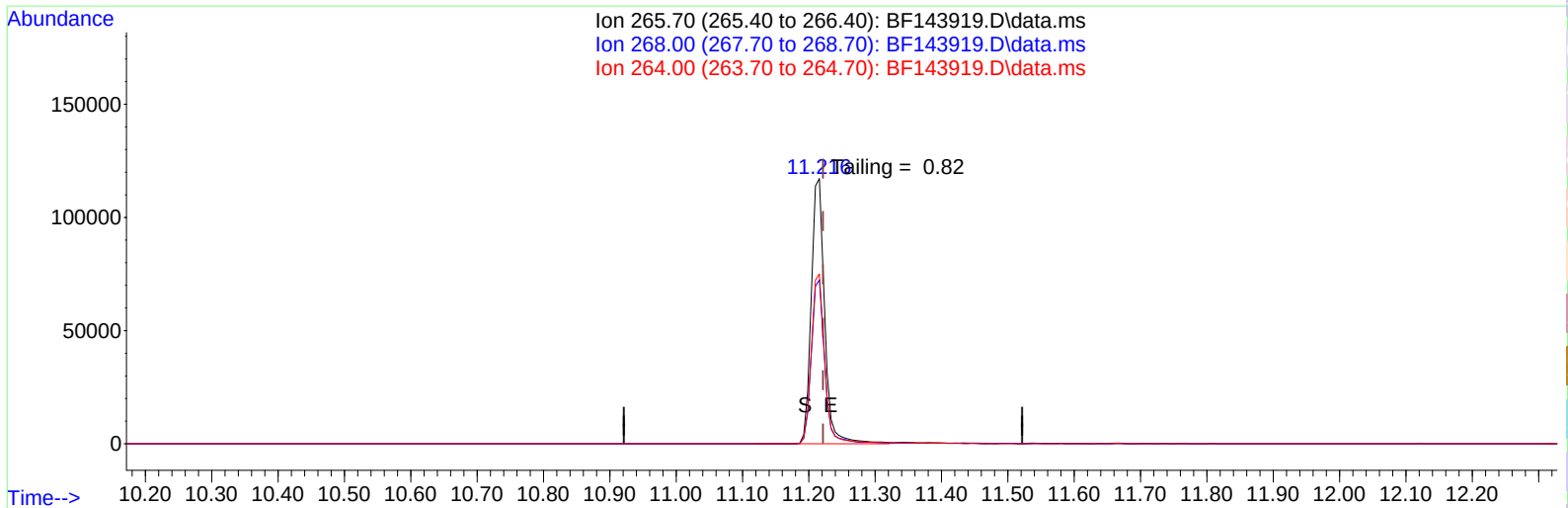
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	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

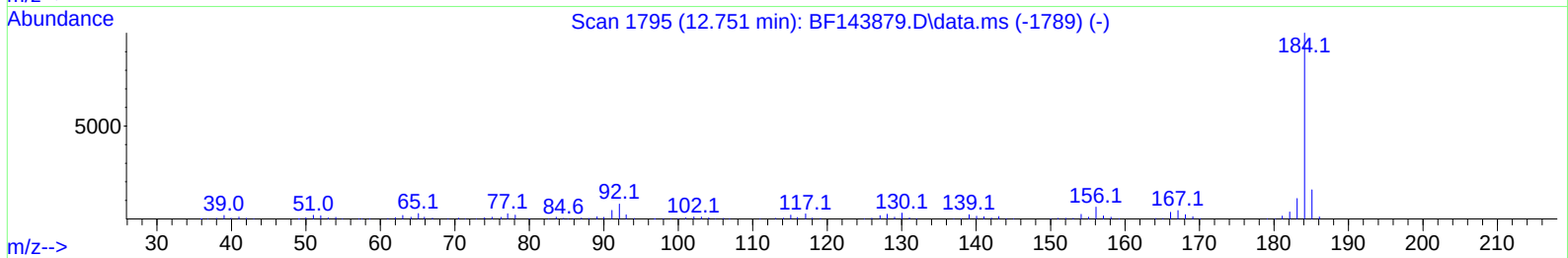
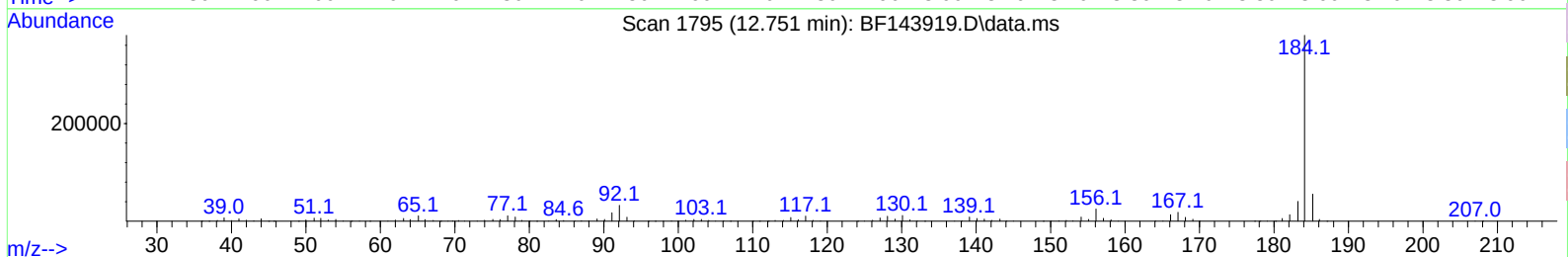
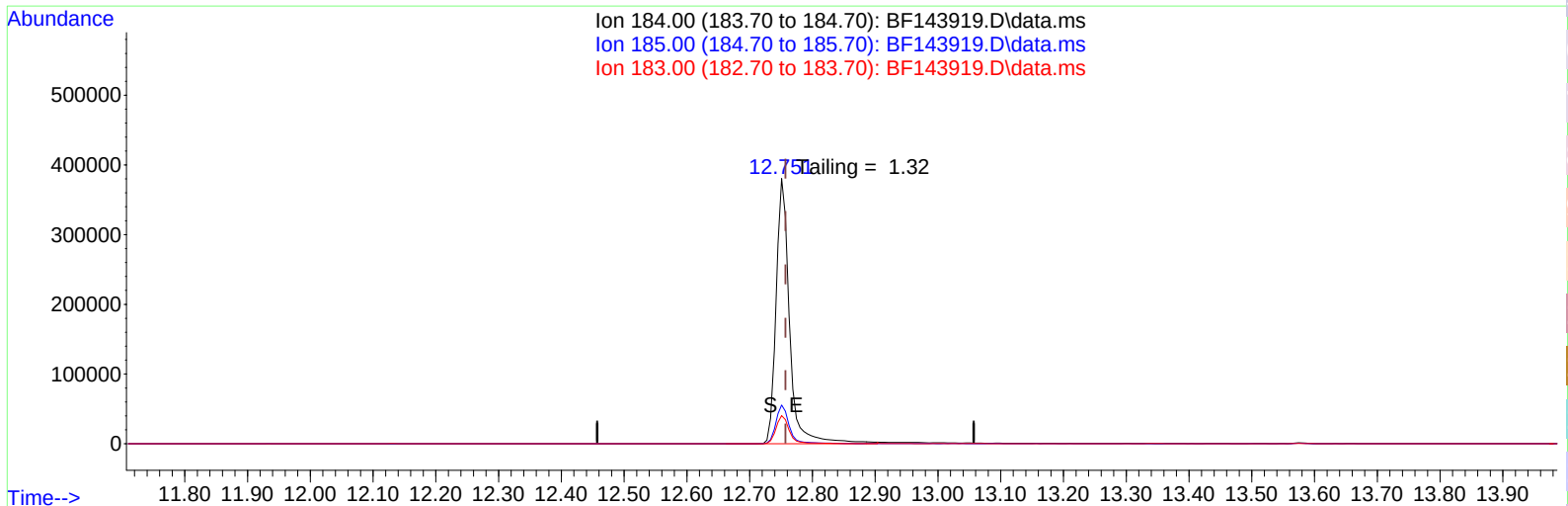
response 165677

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

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

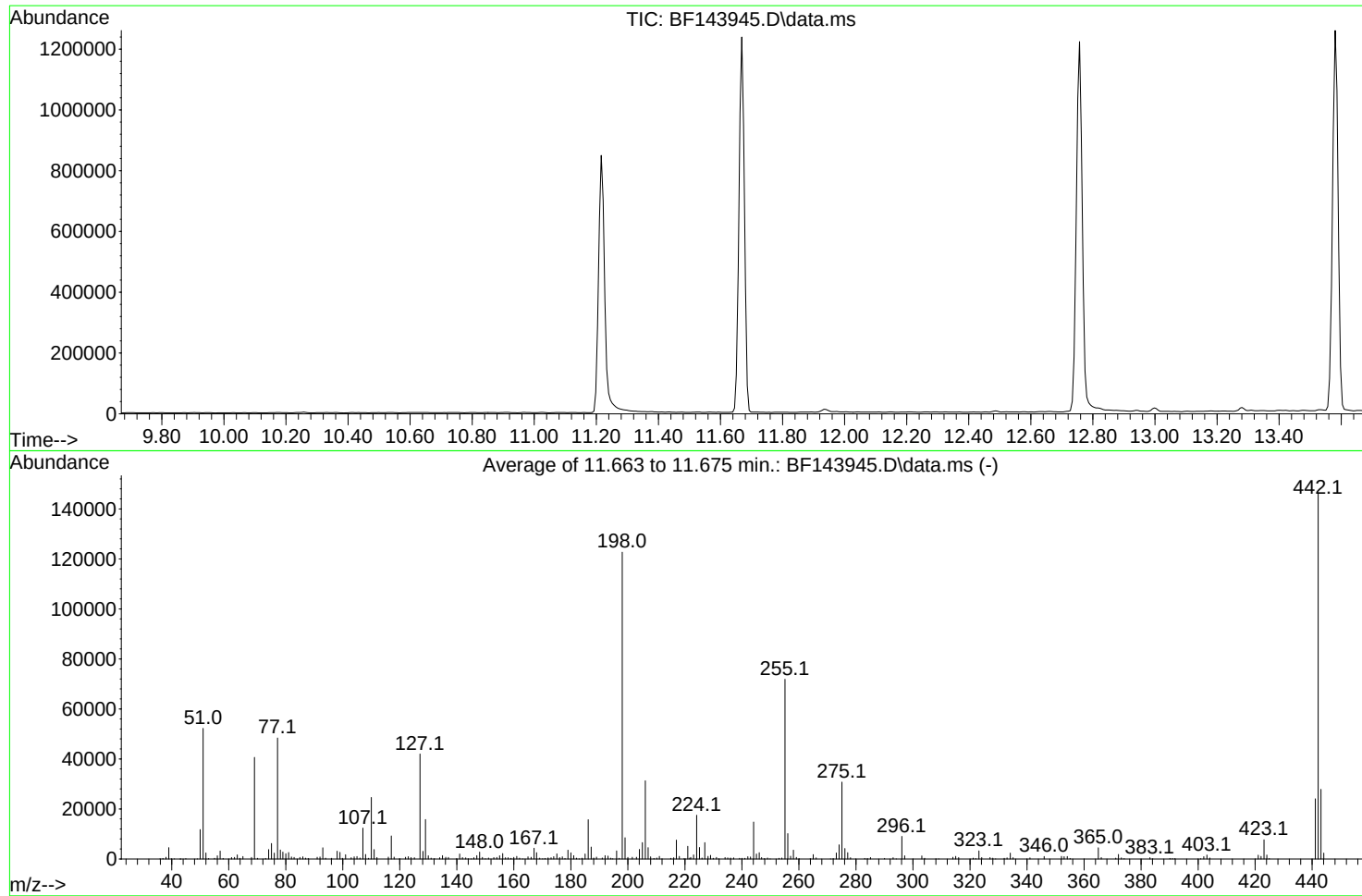
Date	Instrument Name	DFTPP Data File
10/10/2025	BNA_F	<u>BF143919.D</u>
Compound Name	Response	Retention Time
DDT	326543	13.574
DDD	5283	13.274
DDE	738	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6021	332564	1.81

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



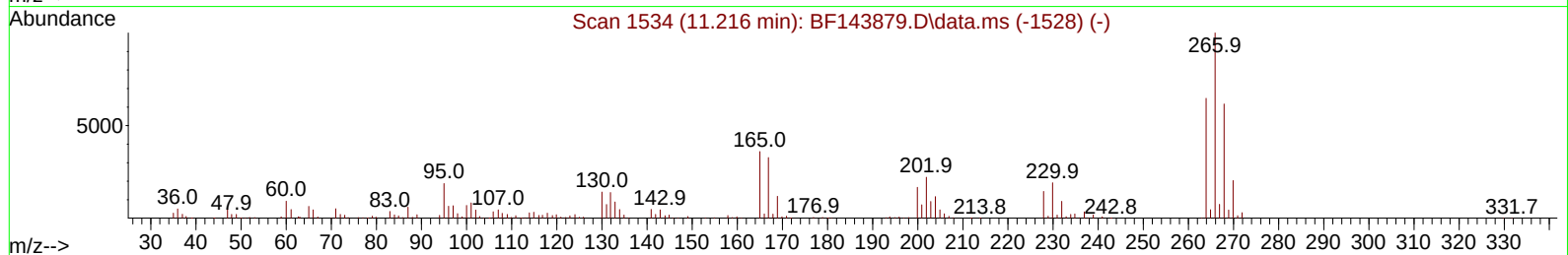
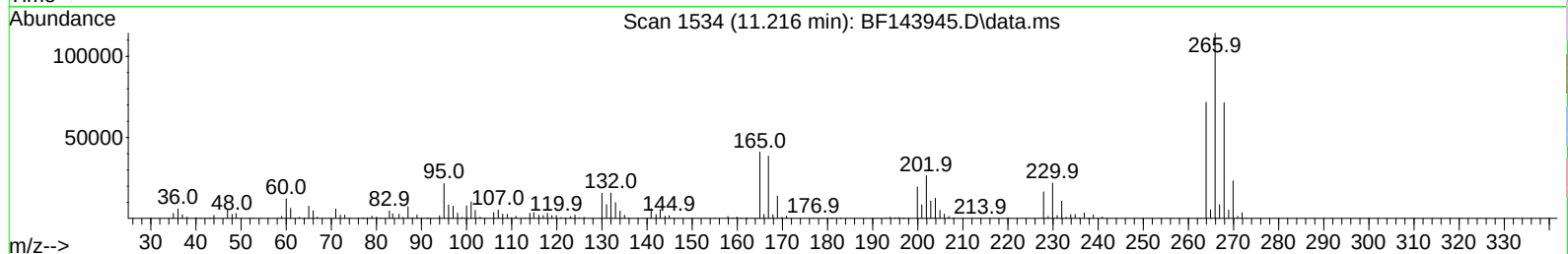
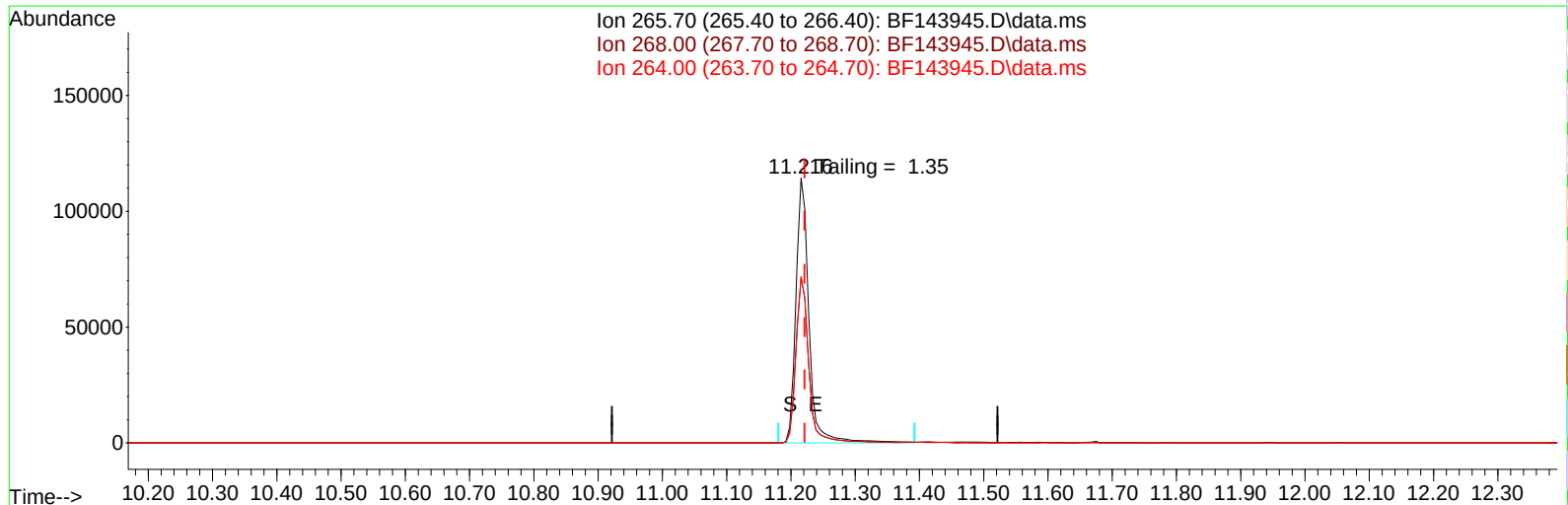
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	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

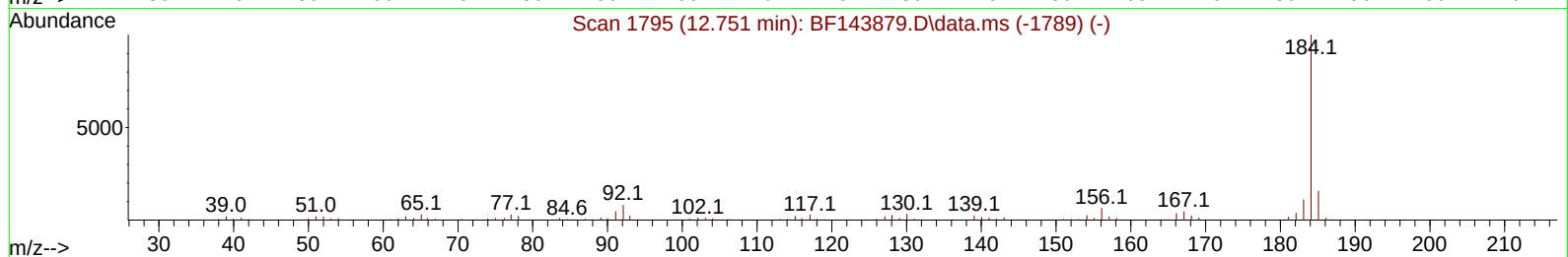
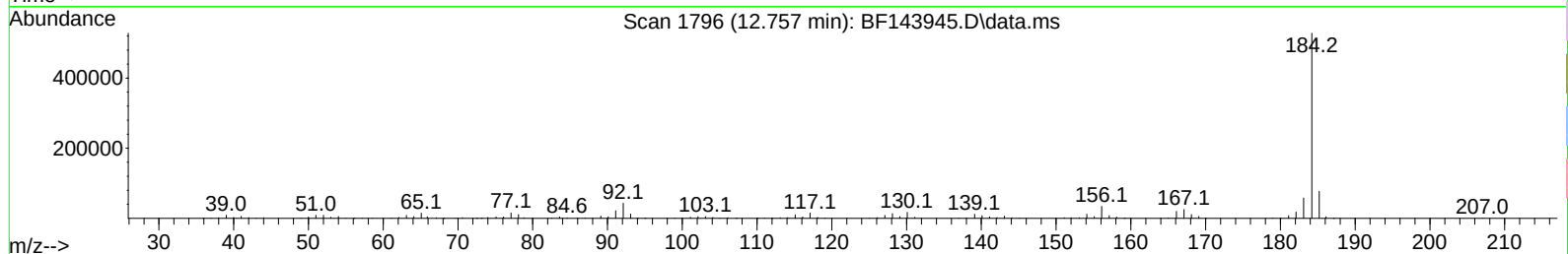
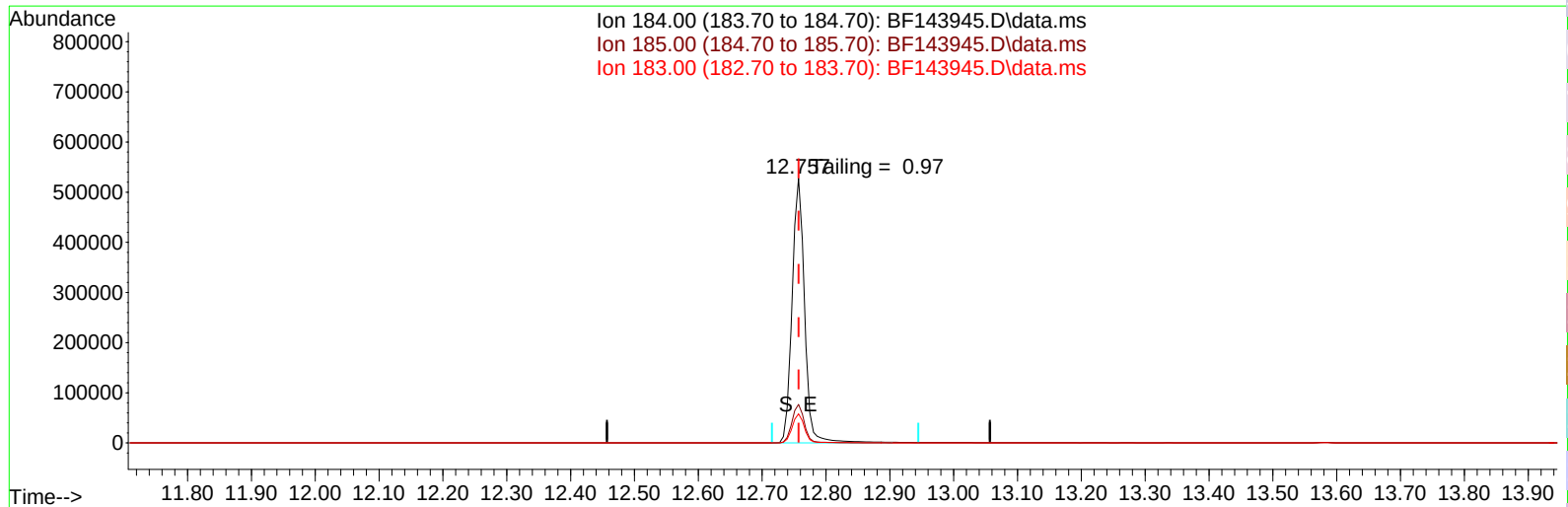
response 161595

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

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	<u>BF143945.D</u>
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



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	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level : LOW	
		Final Vol:	1000 uL
		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

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

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

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	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	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

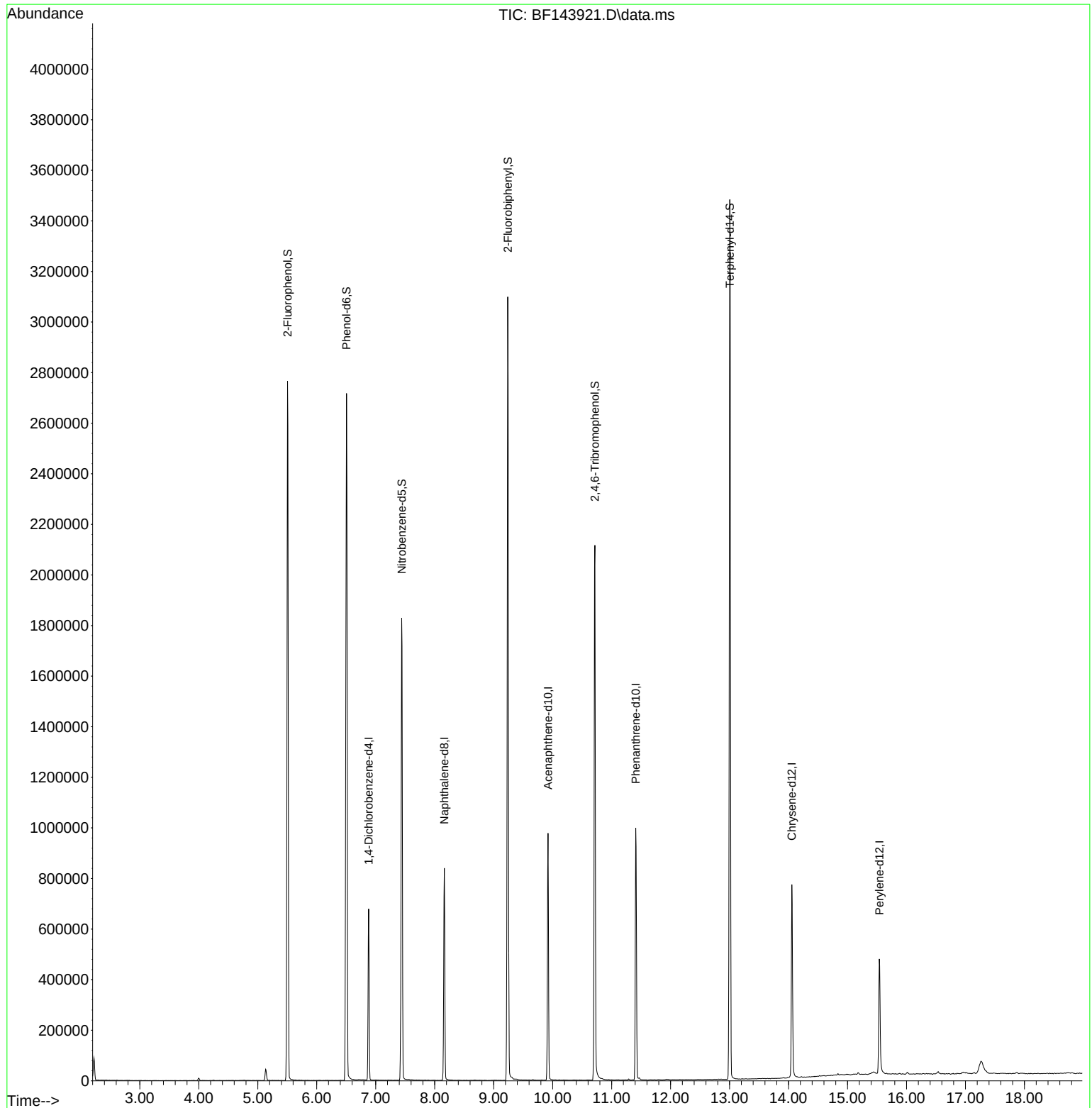
Target Compounds	Qvalue

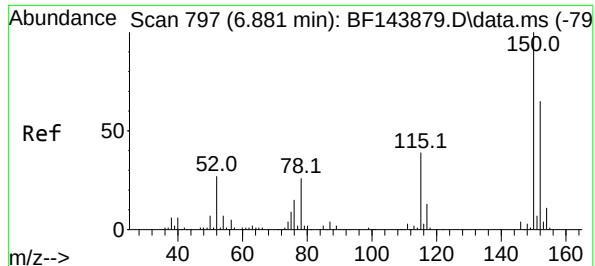
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

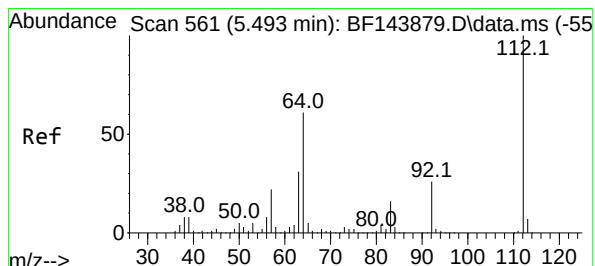
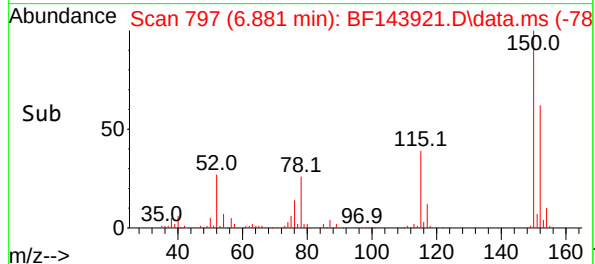
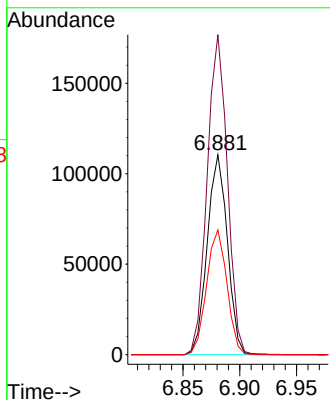
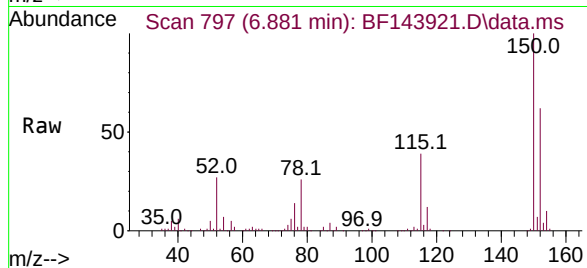




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

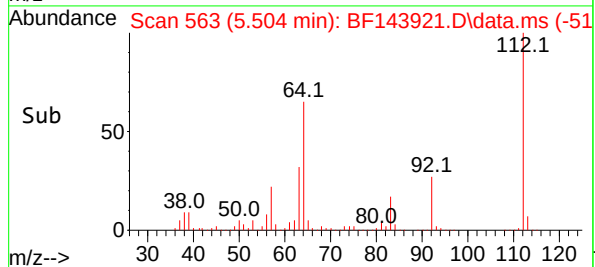
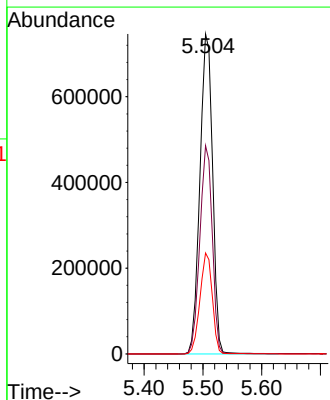
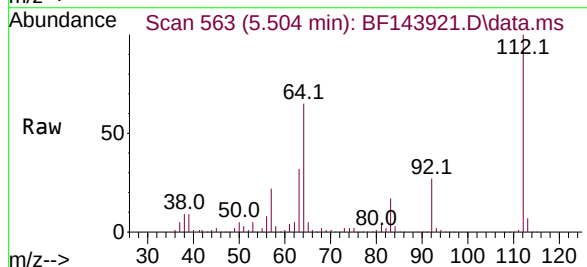
Instrument :
BNA_F
ClientSampleId :
PB170055BL

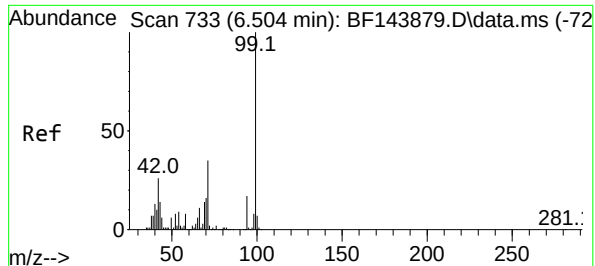
Tgt Ion:152 Resp: 136492
Ion Ratio Lower Upper
152 100
150 160.2 124.4 186.6
115 62.4 48.1 72.1



#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

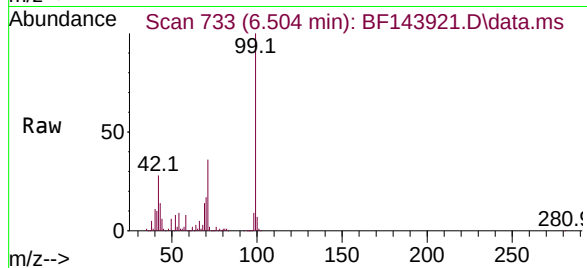
Tgt Ion:112 Resp: 1120553
Ion Ratio Lower Upper
112 100
64 65.1 49.1 73.7
63 31.5 24.5 36.7





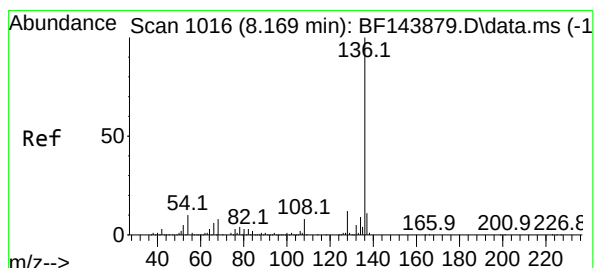
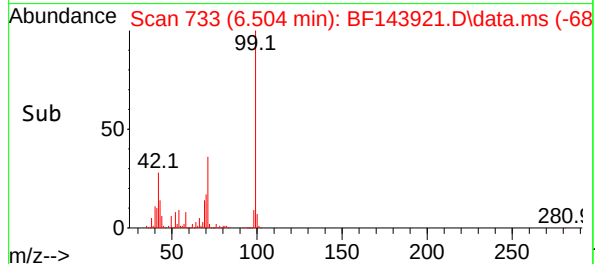
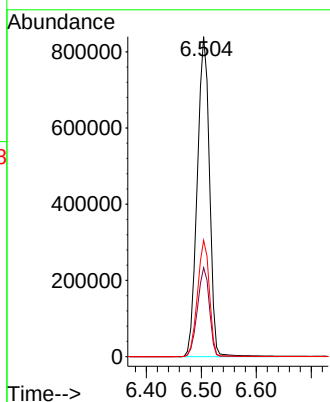
#7
Phenol-d6
Concen: 126.605 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PB170055BL



Tgt Ion: 99 Resp: 1297093

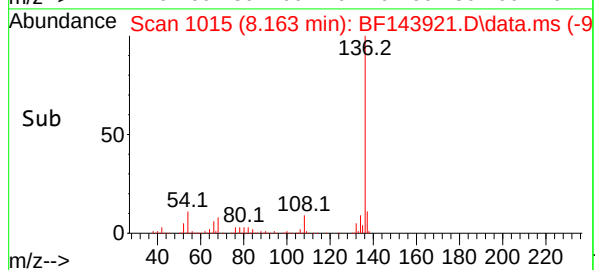
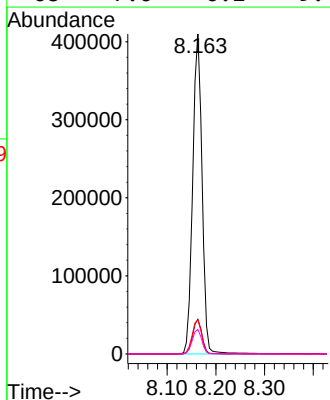
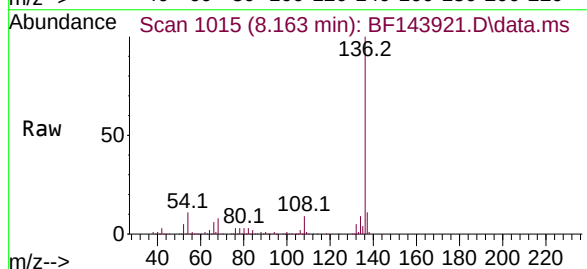
Ion	Ratio	Lower	Upper
99	100		
42	27.8	21.0	31.4
71	36.4	27.8	41.8

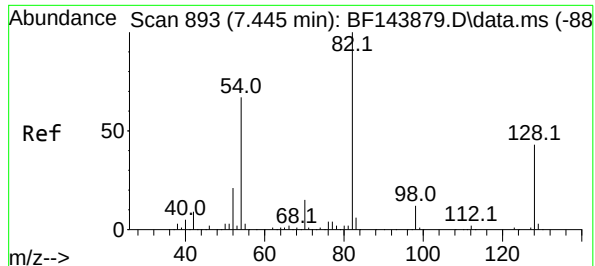


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

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# 89

Delta R.T. -0.018 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PB170055BL

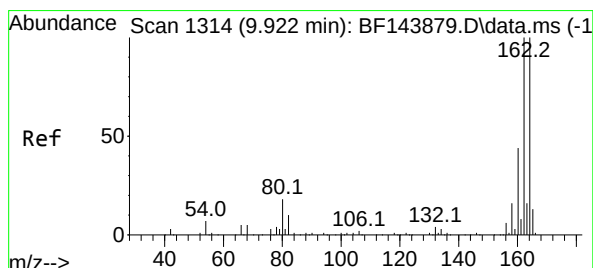
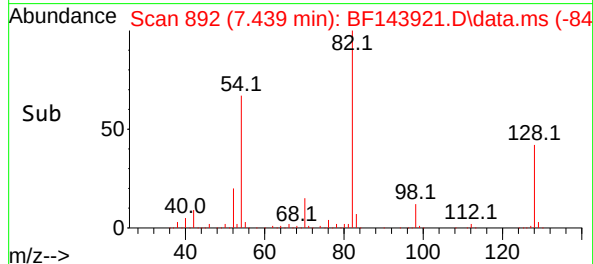
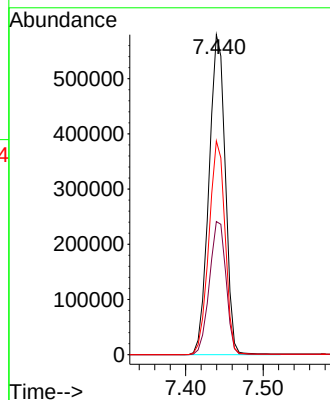
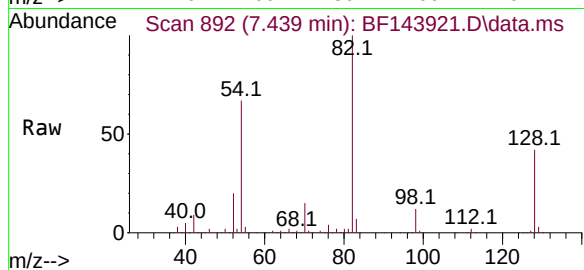
Tgt Ion: 82 Resp: 850033

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

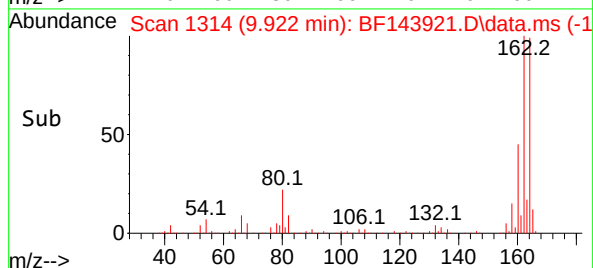
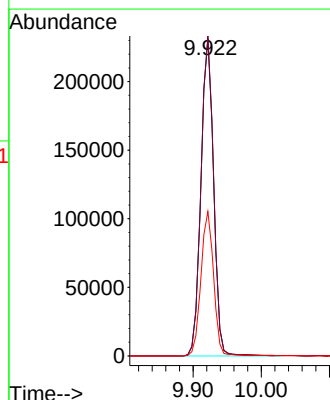
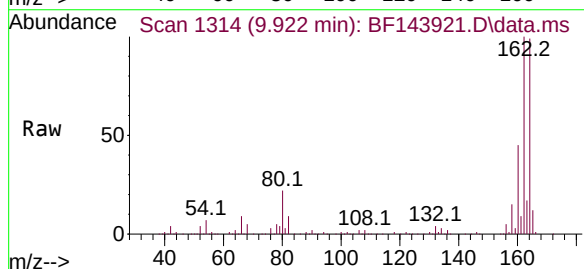
Tgt Ion: 164 Resp: 298735

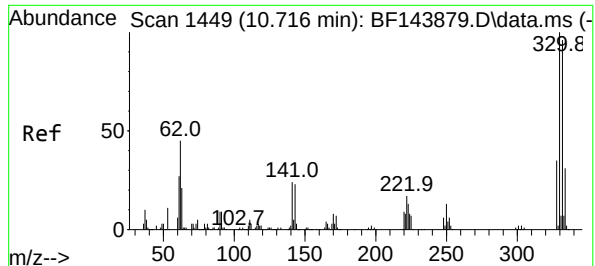
Ion Ratio Lower Upper

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# 1449

Delta R.T. -0.006 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PB170055BL

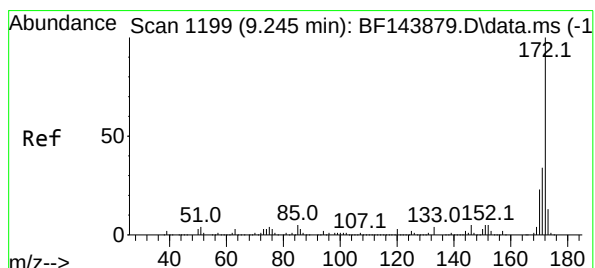
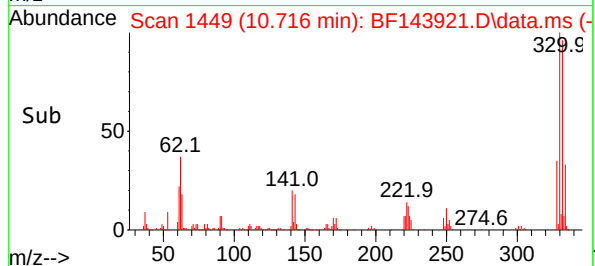
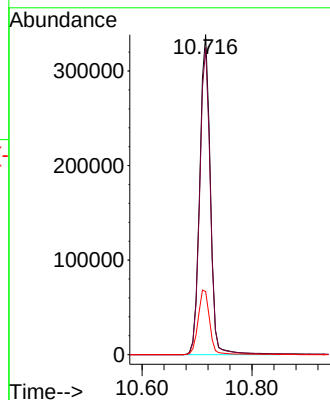
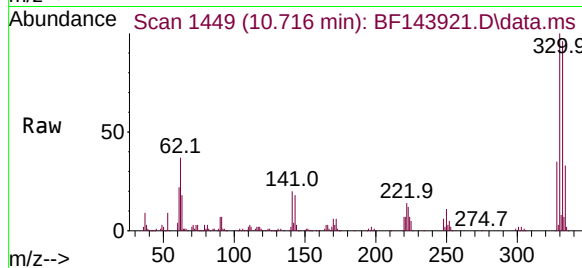
Tgt Ion:330 Resp: 452061

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

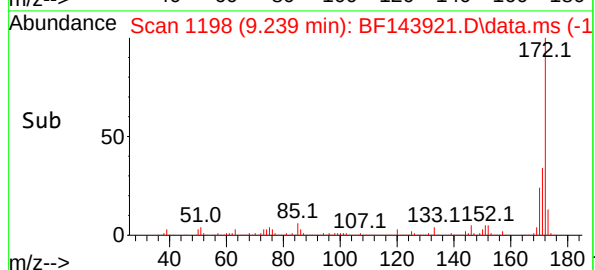
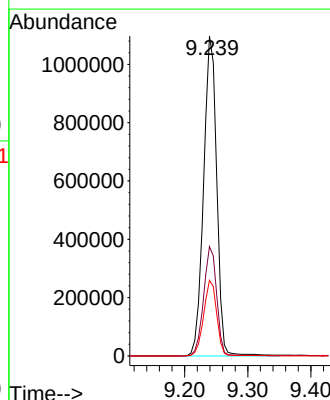
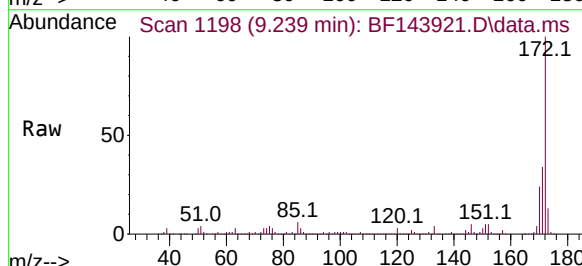
Tgt Ion:172 Resp: 1584841

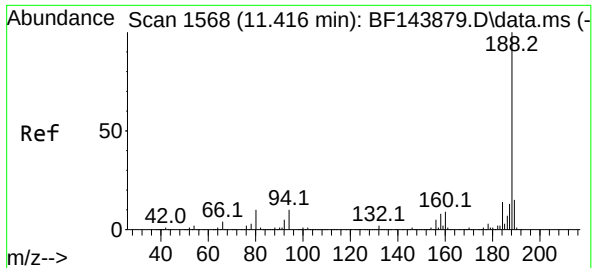
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PB170055BL

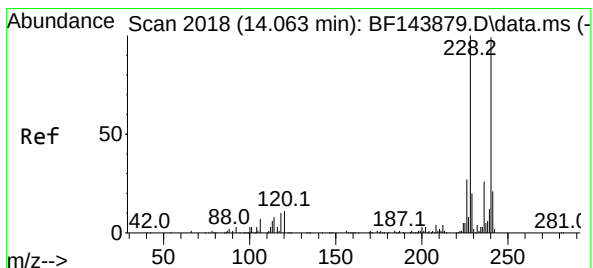
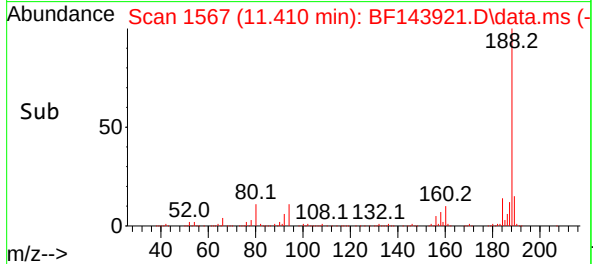
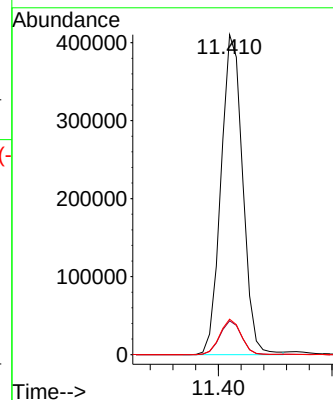
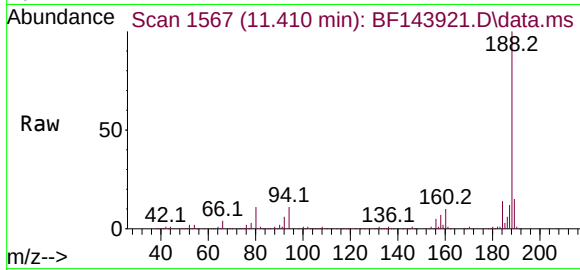
Tgt Ion:188 Resp: 543488

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

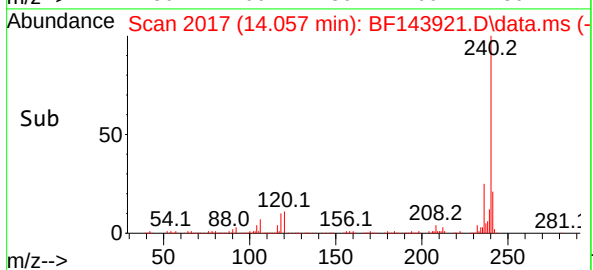
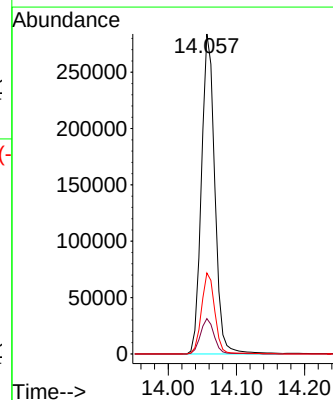
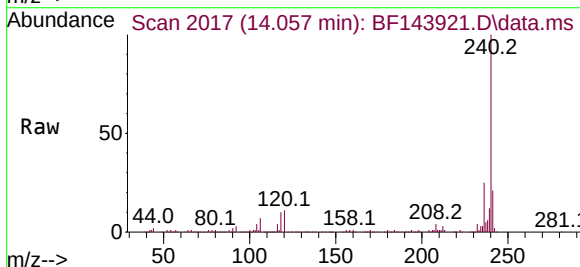
Tgt Ion:240 Resp: 387902

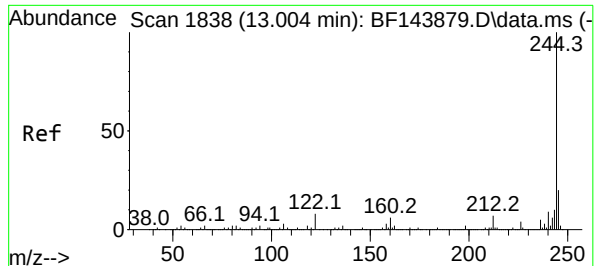
Ion Ratio Lower Upper

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# 1838

Delta R.T. -0.006 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PB170055BL

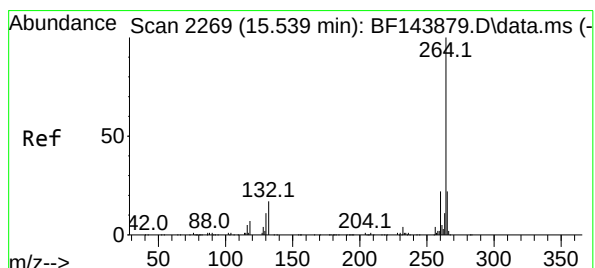
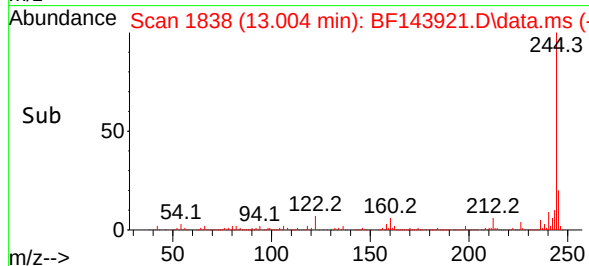
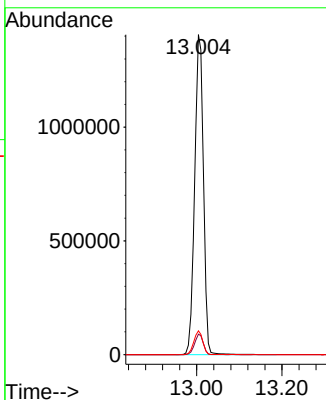
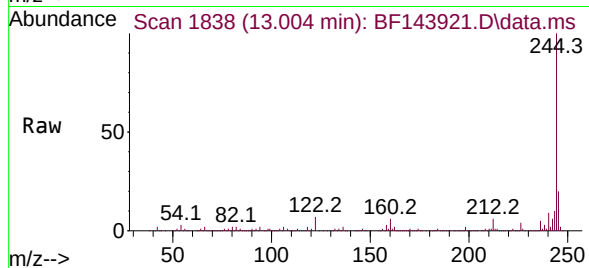
Tgt Ion:244 Resp: 2000515

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

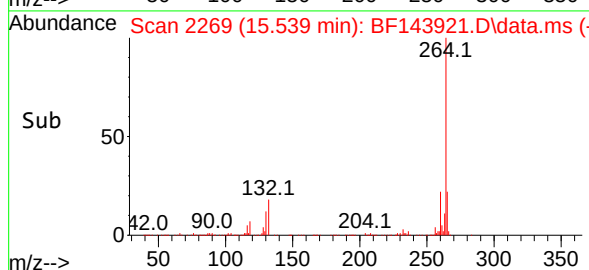
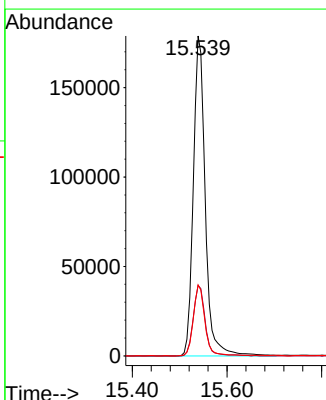
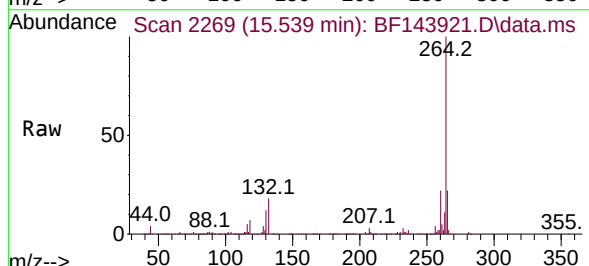
Tgt Ion:264 Resp: 313224

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

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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%

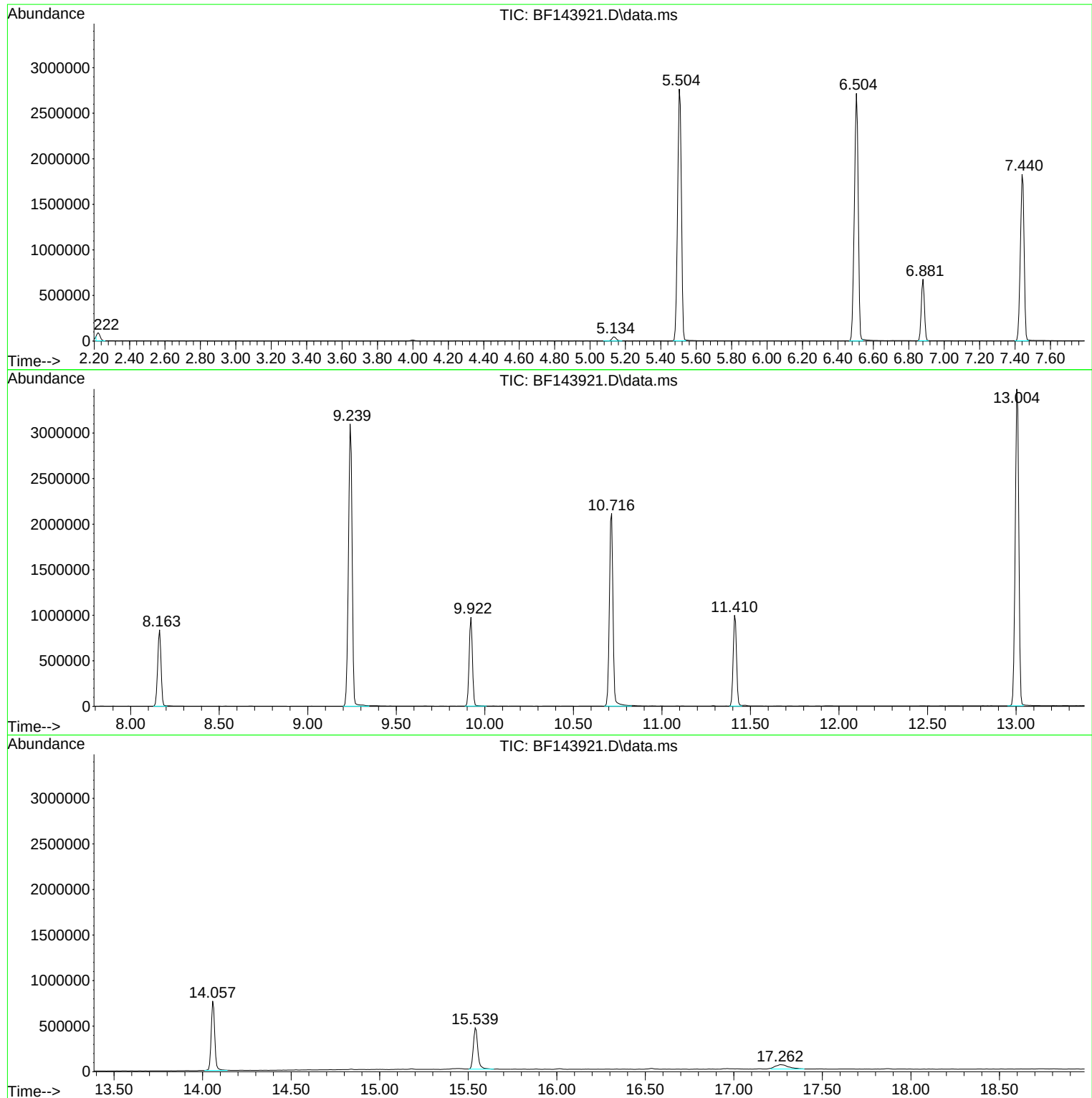
Sum of corrected areas: 29991429

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

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

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

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

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

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

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

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

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

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

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

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

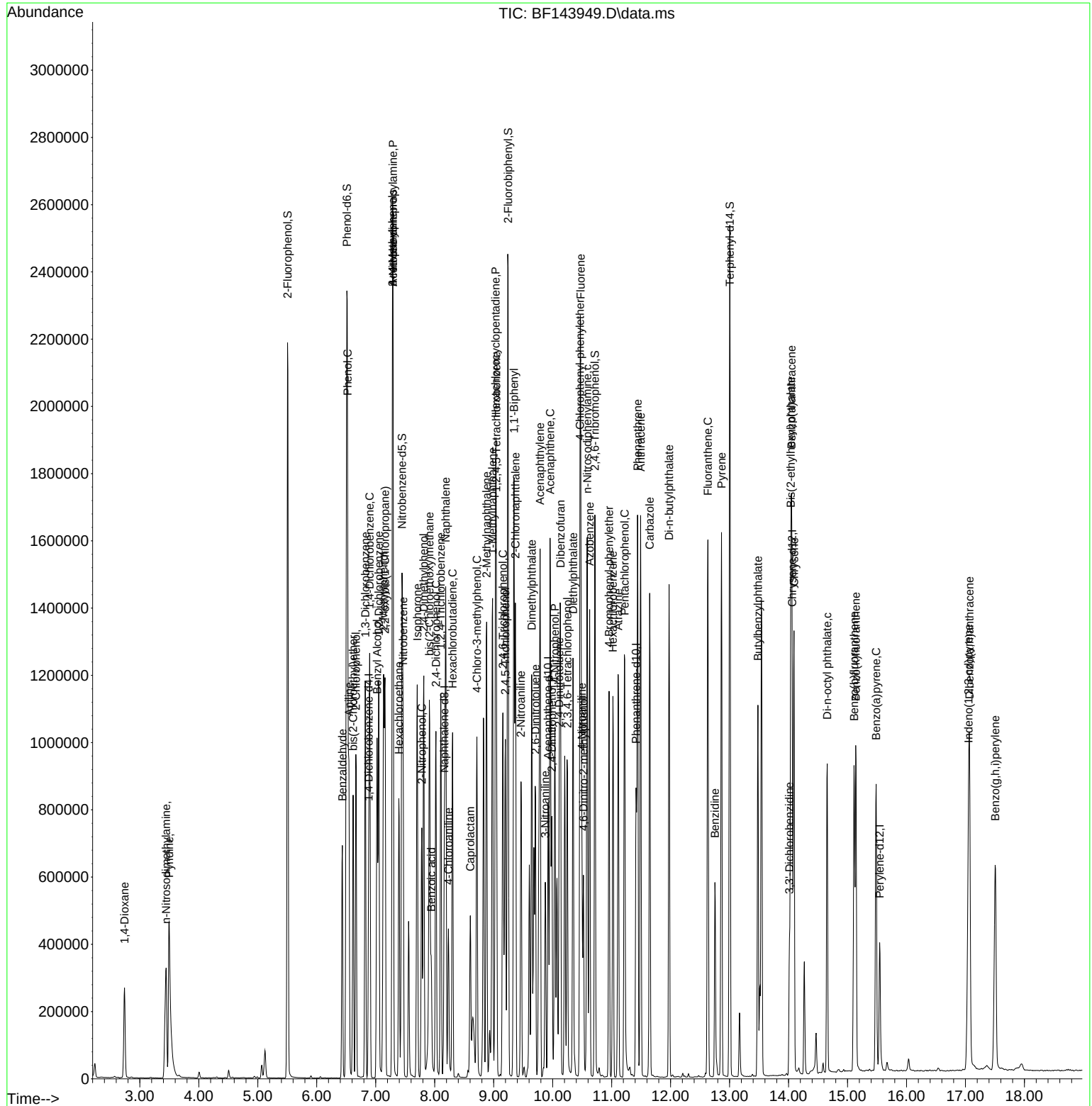
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Data File : BF143949.D
Acq On : 14 Oct 2025 16:13
Operator : RC/JU
Sample : PB170055BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

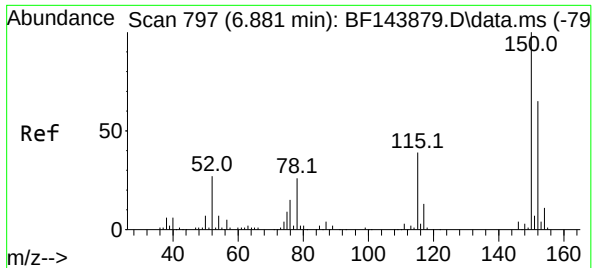
Instrument :
BNA_F
ClientSampleId :
PB170055BS

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

Manual Integrations
APPROVED

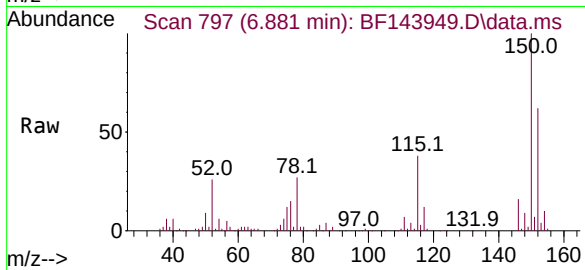
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025





#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

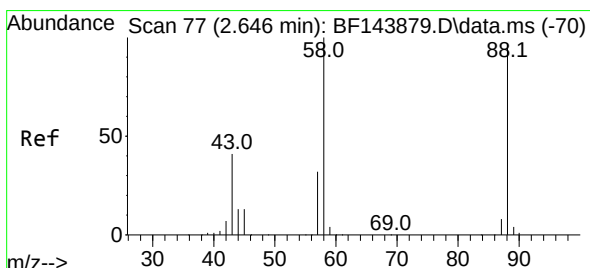
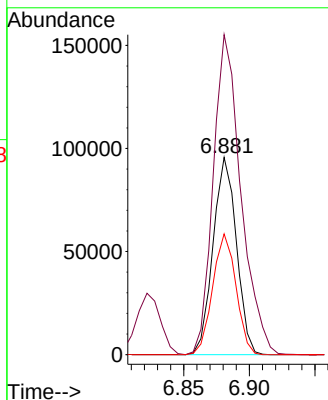
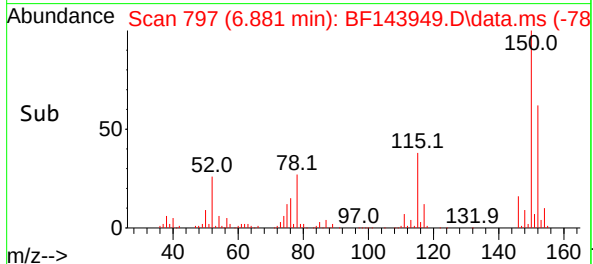
Instrument :
BNA_F
ClientSampleId :
PB170055BS



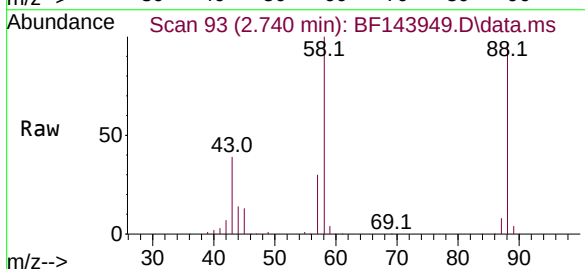
Tgt Ion:152 Resp: 118783
Ion Ratio Lower Upper
152 100
150 162.3 124.4 186.6
115 61.3 48.1 72.1

Manual Integrations
APPROVED

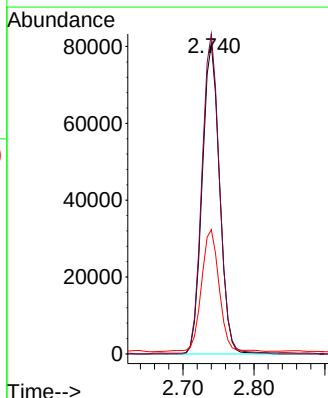
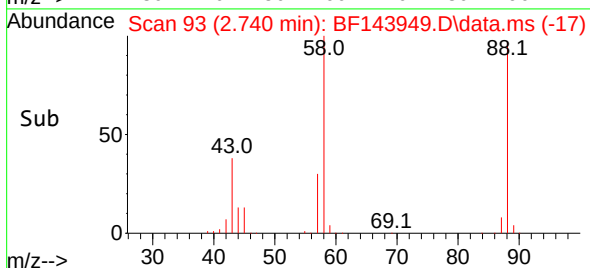
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

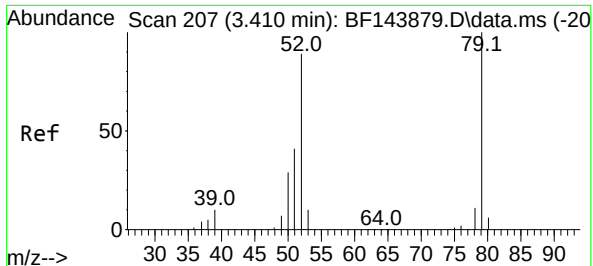


#2
1,4-Dioxane
Concen: 39.495 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.094 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



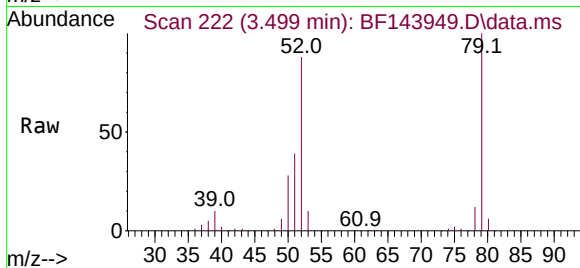
Tgt Ion: 88 Resp: 136708
Ion Ratio Lower Upper
88 100
58 103.2 83.0 124.6
43 40.2 33.9 50.9





#3
Pyridine
Concen: 39.951 ng
RT: 3.499 min Scan# 211
Delta R.T. 0.083 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

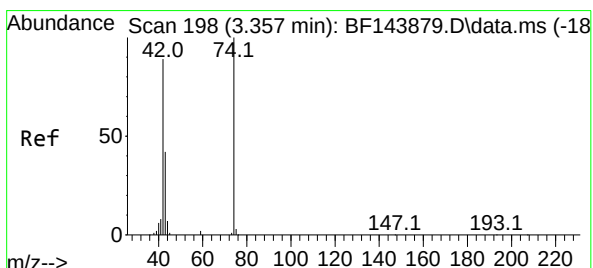
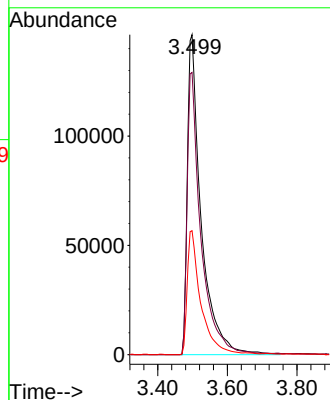
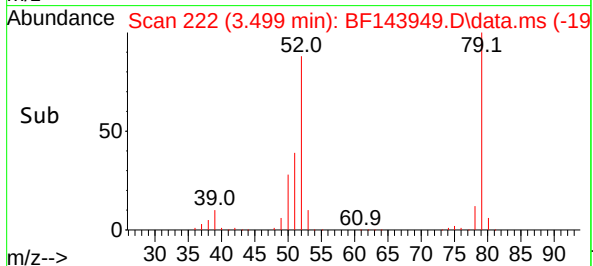
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion: 79 Resp: 402572
Ion Ratio Lower Upper
79 100
52 88.2 71.5 107.3
51 38.7 32.9 49.3

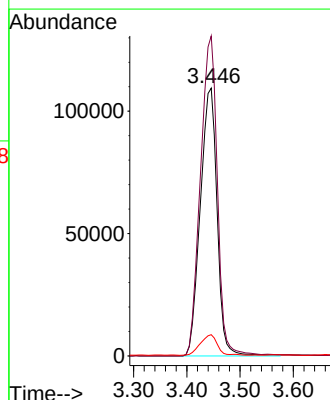
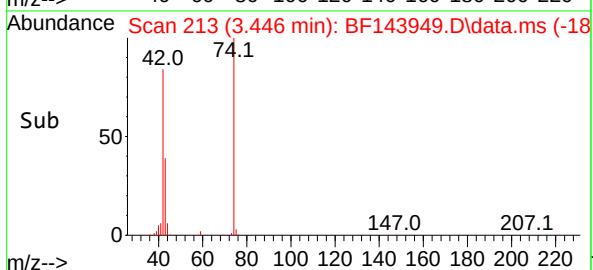
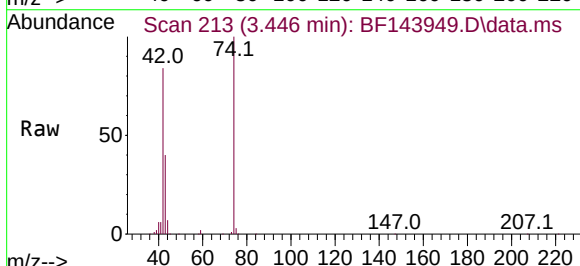
Manual Integrations
APPROVED

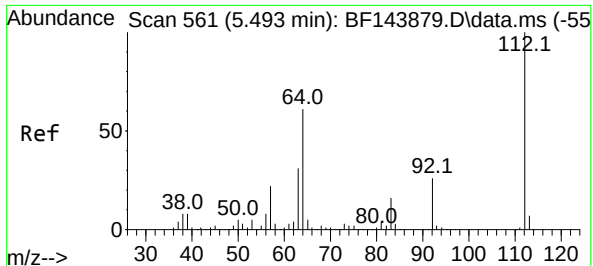
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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





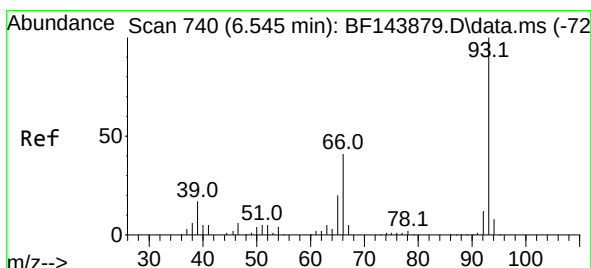
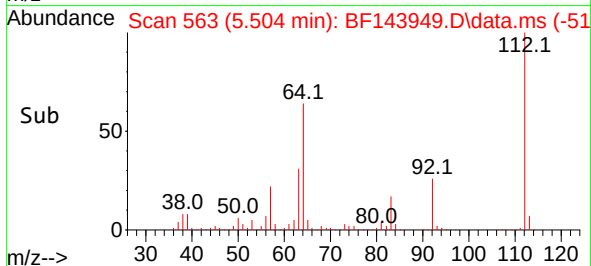
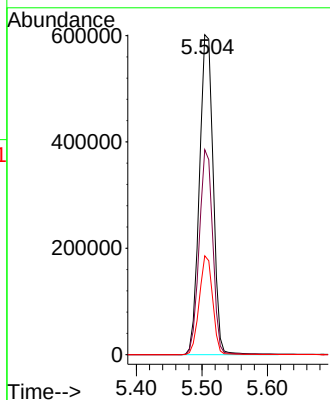
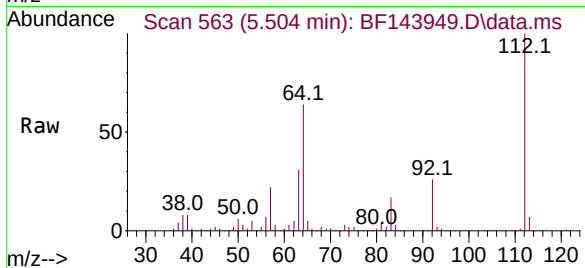
#5
2-Fluorophenol
Concen: 116.679 ng
RT: 5.504 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion:112 Resp: 872776
Ion Ratio Lower Upper
112 100
64 64.0 49.1 73.7
63 30.9 24.5 36.7

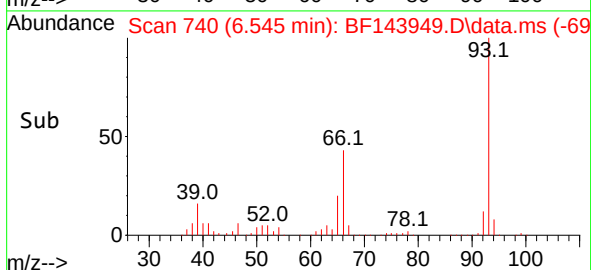
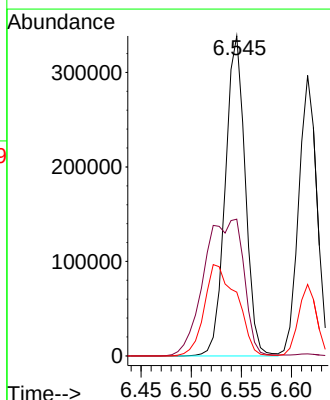
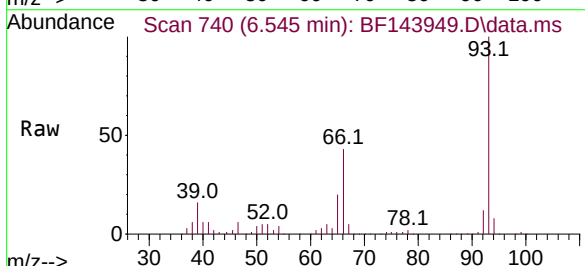
Manual Integrations
APPROVED

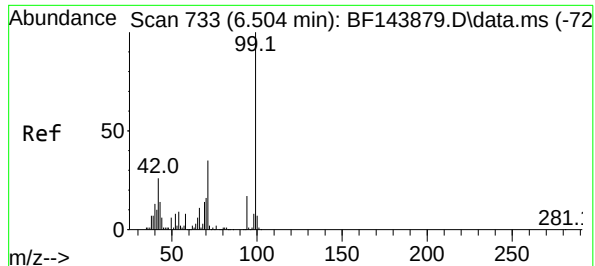
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

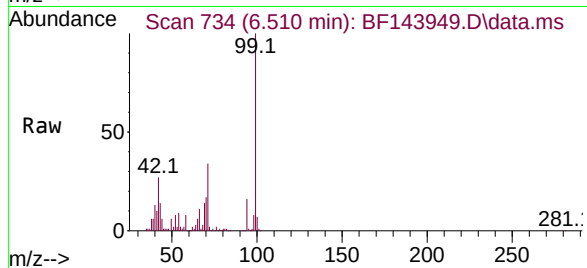
Tgt Ion: 93 Resp: 470002
Ion Ratio Lower Upper
93 100
66 42.7 33.0 49.6
65 19.9 15.8 23.8





#7
Phenol-d6
Concen: 116.105 ng
RT: 6.510 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

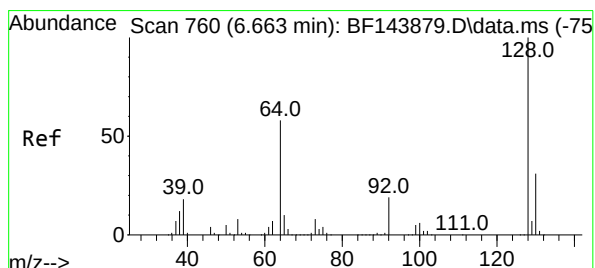
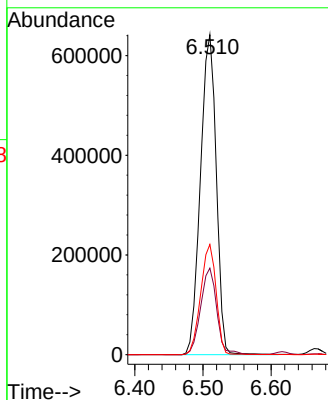
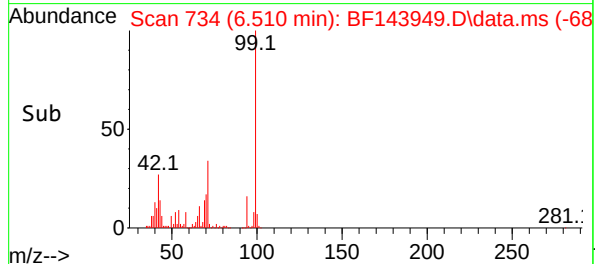
Instrument :
BNA_F
ClientSampleId :
PB170055BS



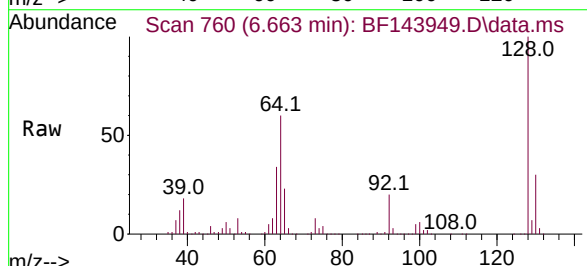
Tgt Ion: 99 Resp: 1035190
Ion Ratio Lower Upper
99 100
42 27.0 21.0 31.4
71 34.4 27.8 41.8

Manual Integrations
APPROVED

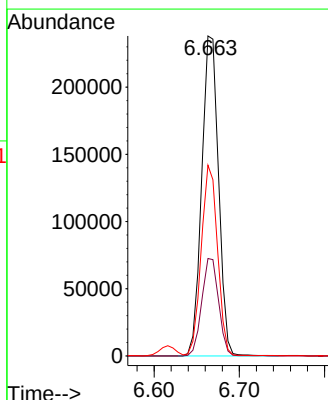
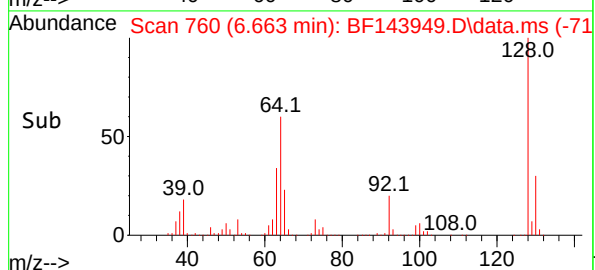
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

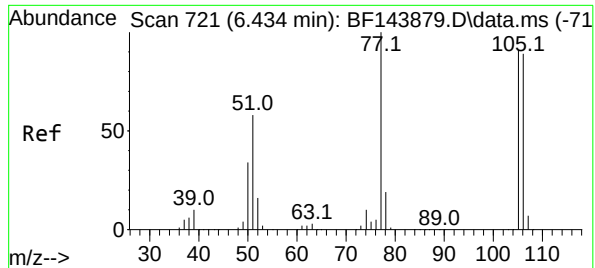


#8
2-Chlorophenol
Concen: 44.586 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



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# 71

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion: 77 Resp: 195562

Ion Ratio Lower Upper

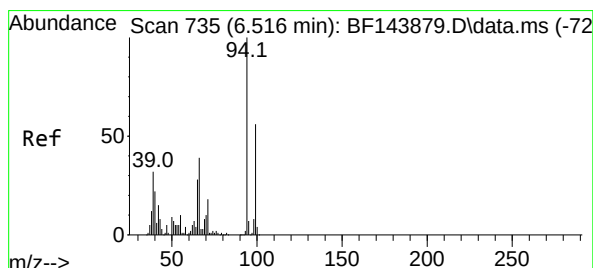
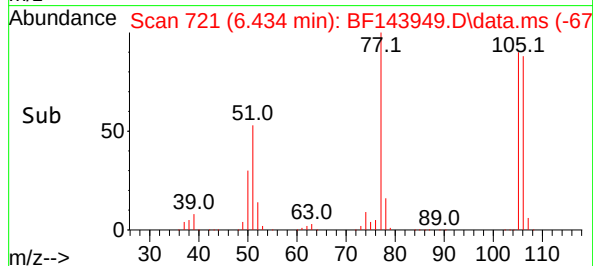
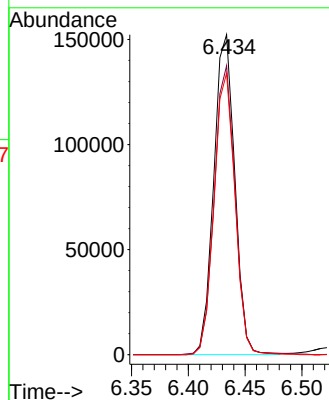
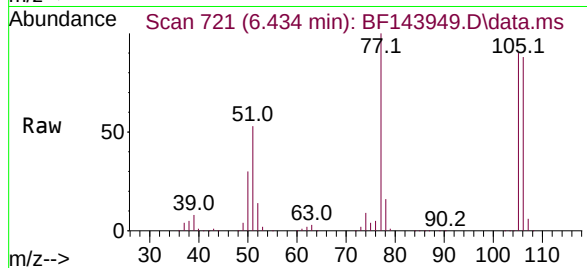
77 100

105 90.3 70.9 110.9

106 88.0 68.9 108.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

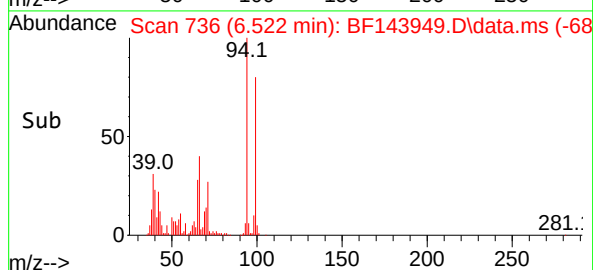
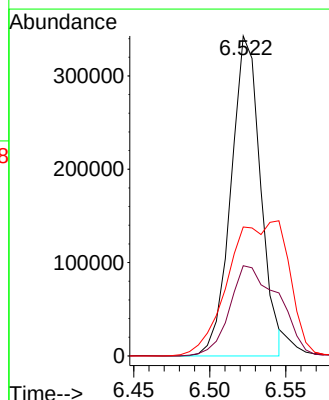
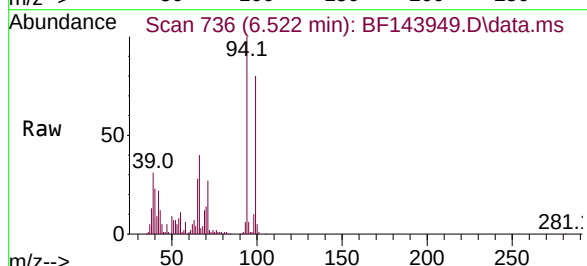
Tgt Ion: 94 Resp: 465315

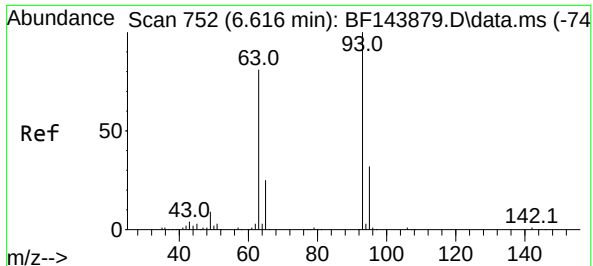
Ion Ratio Lower Upper

94 100

65 28.2 8.5 48.5

66 40.3 19.9 59.9





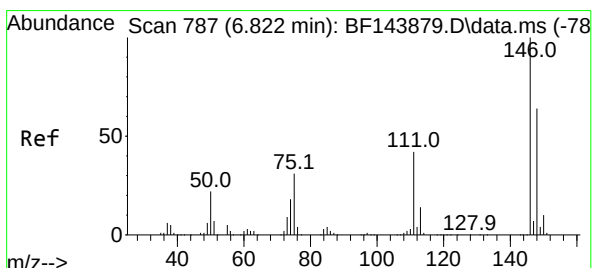
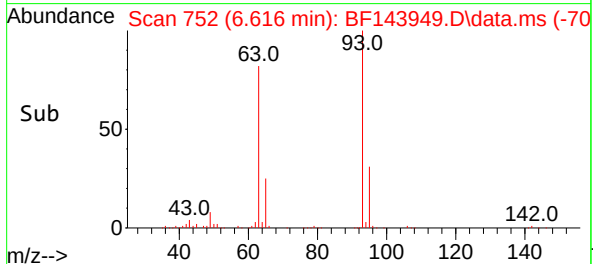
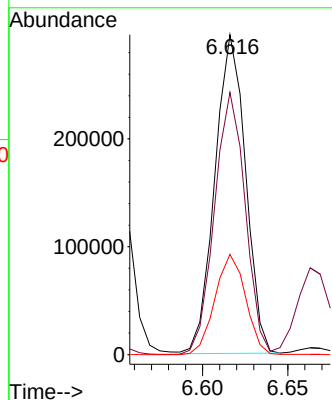
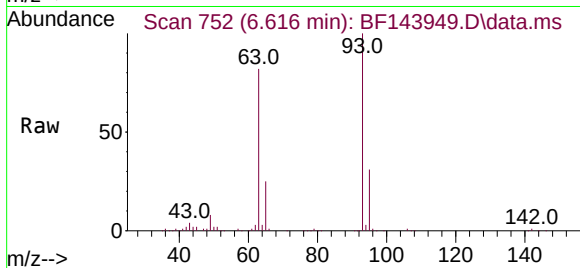
#11
bis(2-Chloroethyl)ether
Concen: 44.938 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion: 93 Resp: 370017
Ion Ratio Lower Upper
93 100
63 81.9 60.9 100.9
95 31.3 11.5 51.5

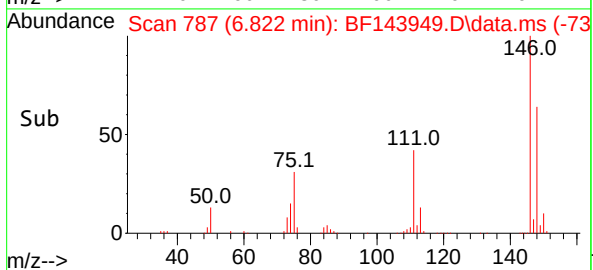
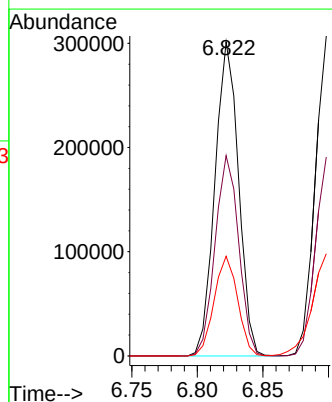
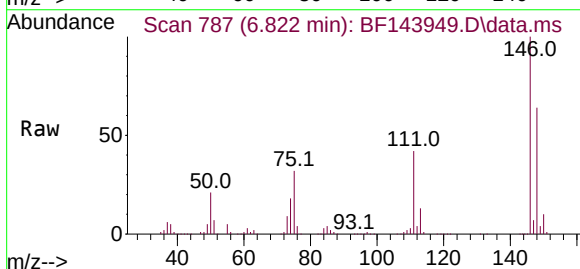
Manual Integrations
APPROVED

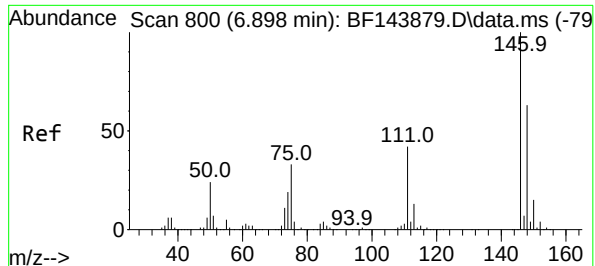
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 800

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:146 Resp: 380675

Ion Ratio Lower Upper

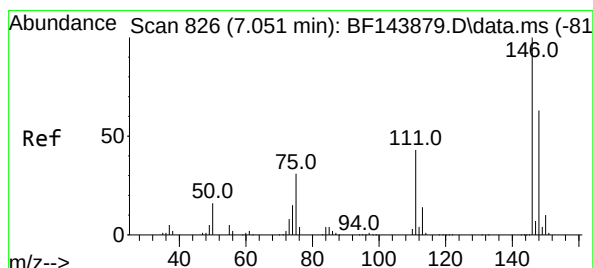
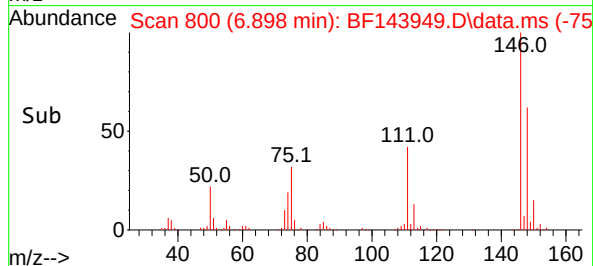
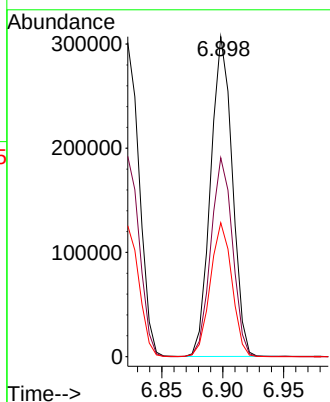
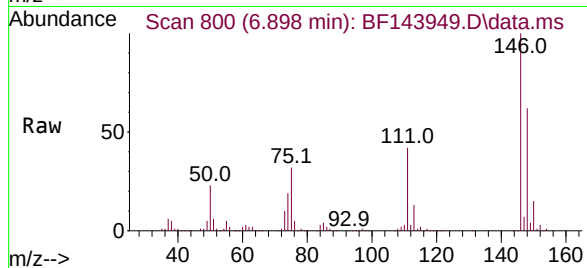
146 100

148 62.1 50.5 75.7

111 41.8 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

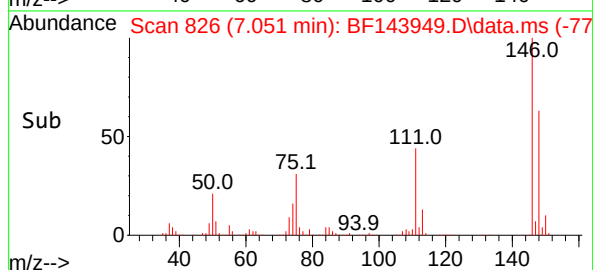
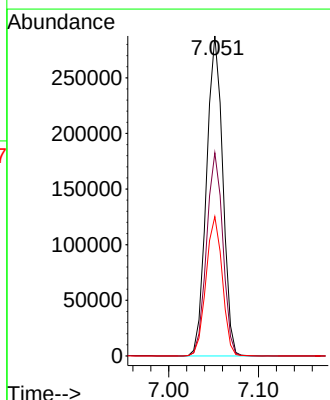
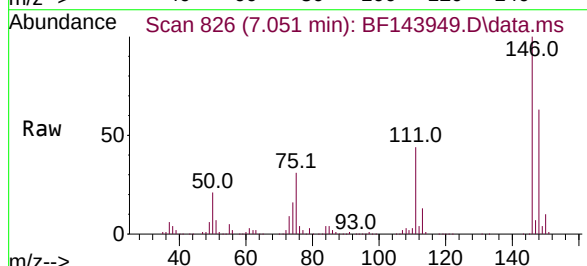
Tgt Ion:146 Resp: 363836

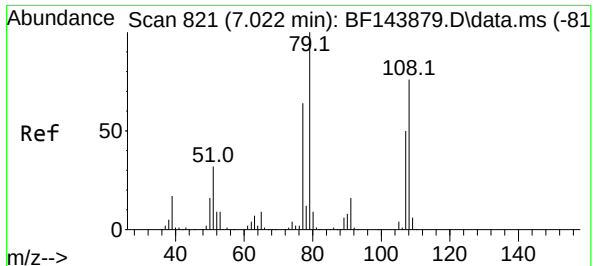
Ion Ratio Lower Upper

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# 821

Delta R.T. -0.012 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion: 79 Resp: 312374

Ion Ratio Lower Upper

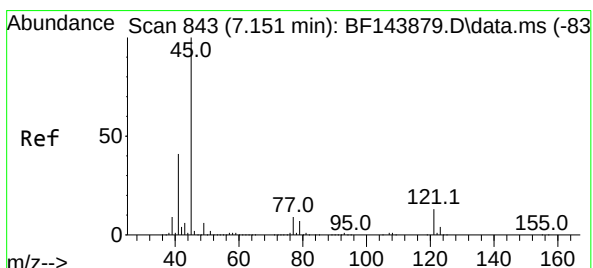
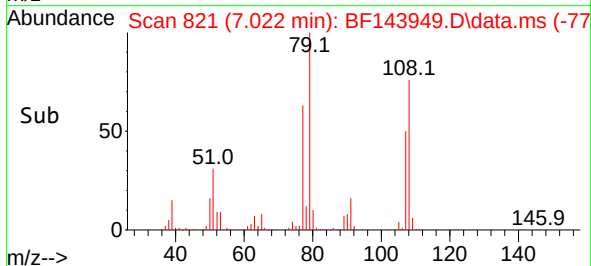
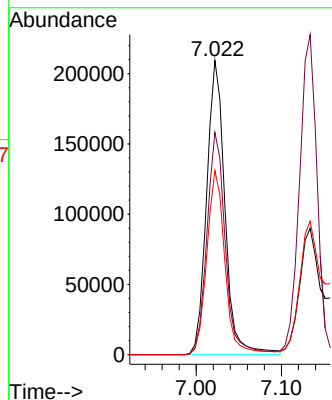
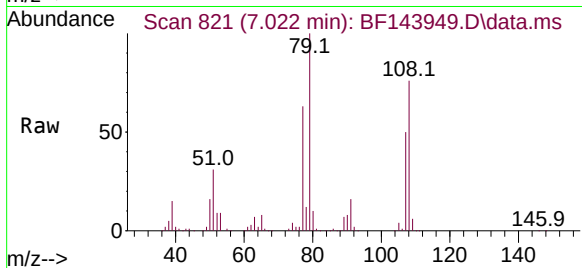
79 100

108 75.5 60.8 91.2

77 62.6 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

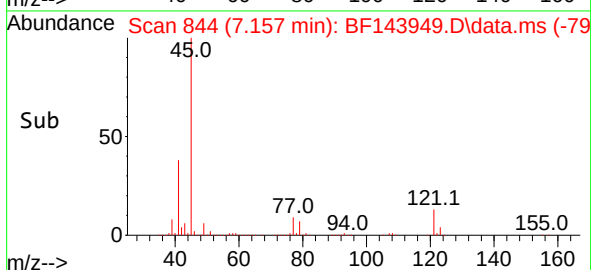
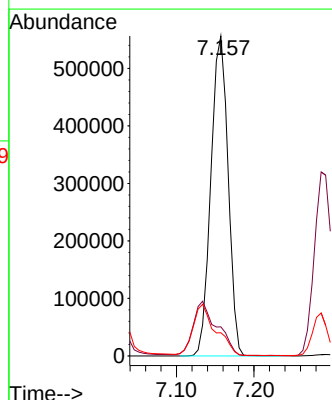
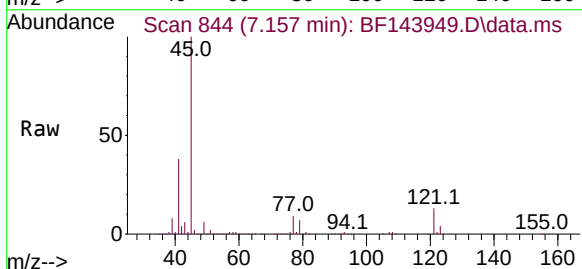
Tgt Ion: 45 Resp: 857401

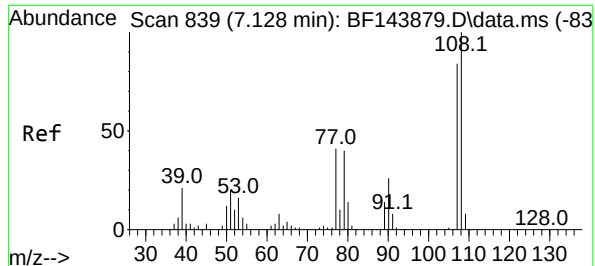
Ion Ratio Lower Upper

45 100

77 9.1 0.0 29.0

79 7.2 0.0 26.8





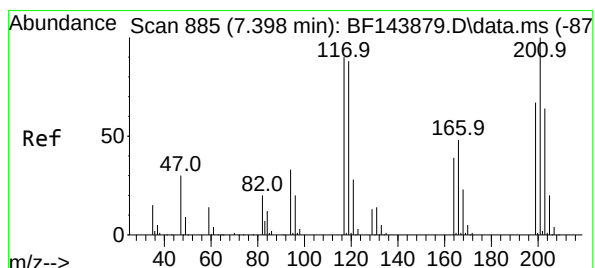
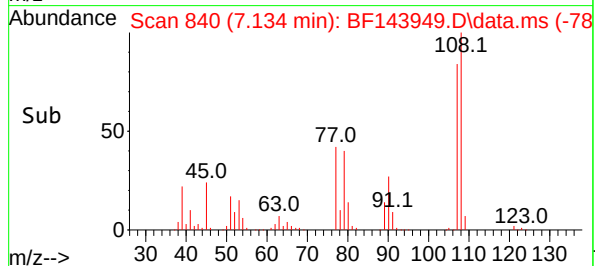
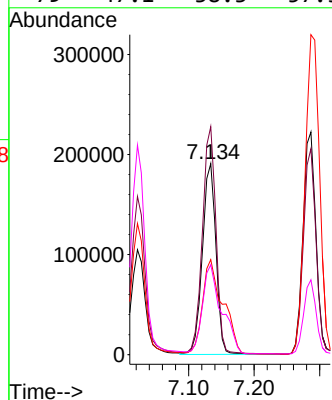
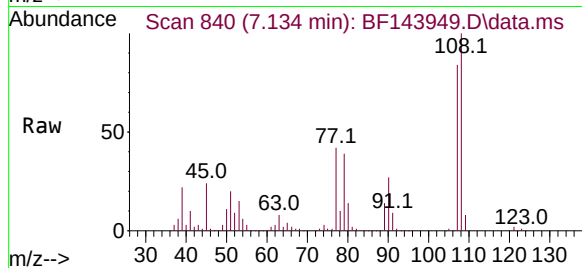
#17
2-Methylphenol
Concen: 45.365 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion:107 Resp: 274129
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

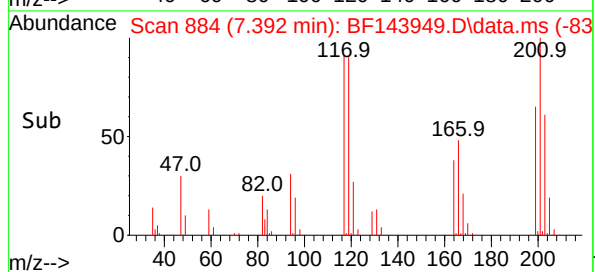
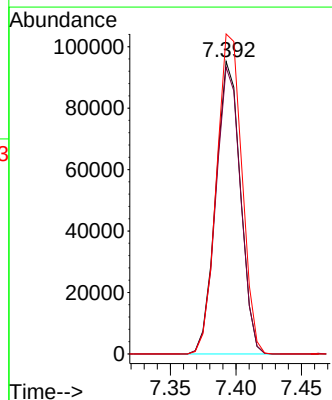
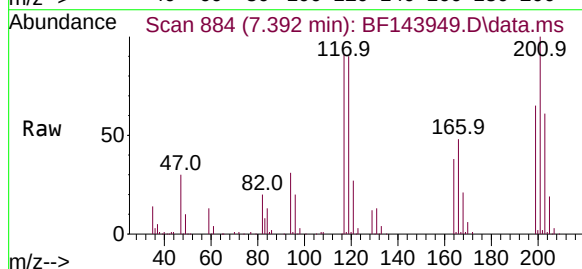
Manual Integrations
APPROVED

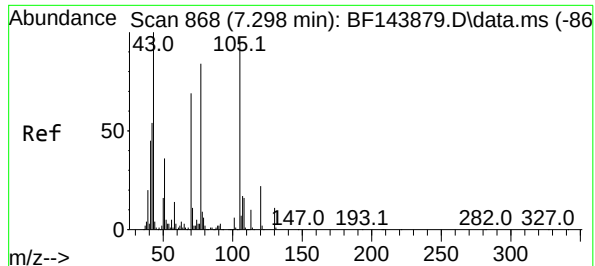
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 867

Delta R.T. -0.023 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion: 70 Resp: 260148

Ion Ratio Lower Upper

70 100

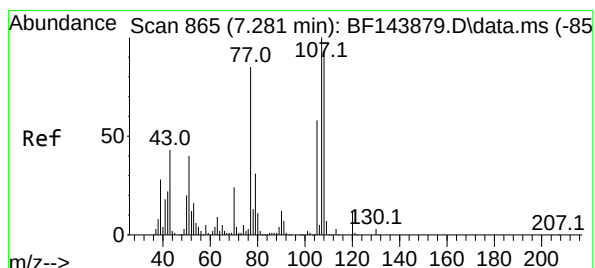
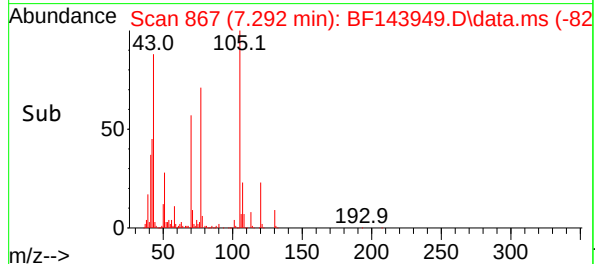
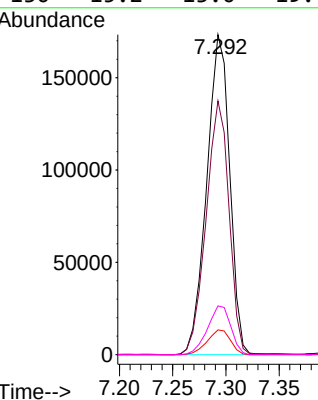
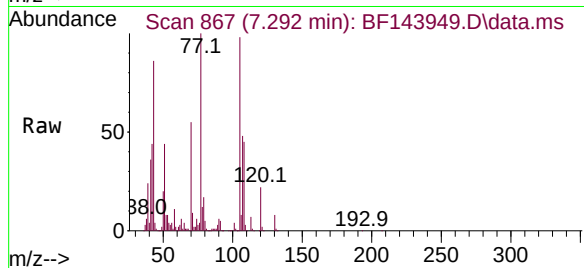
42 79.3 62.8 94.2

101 7.7 6.7 10.1

130 15.2 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

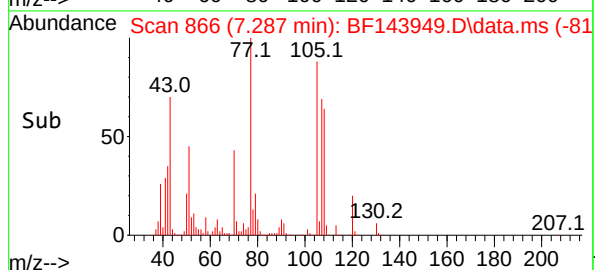
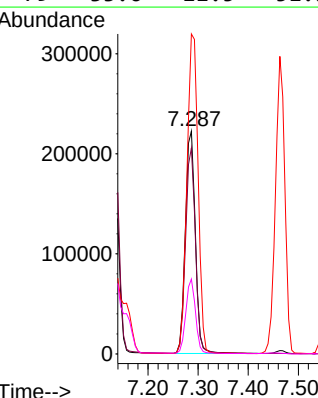
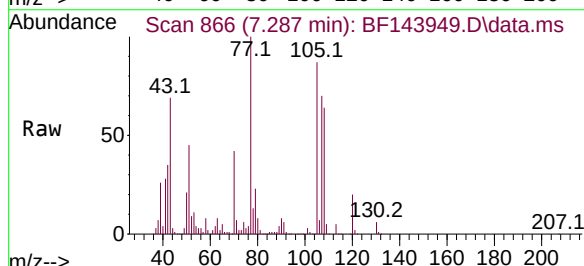
Ion Ratio Lower Upper

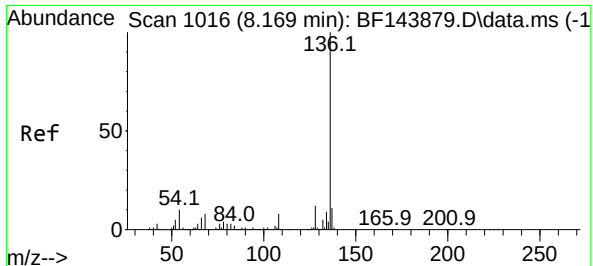
107 100

108 92.5 73.0 113.0

77 143.7 64.6 104.6#

79 33.6 11.5 51.5





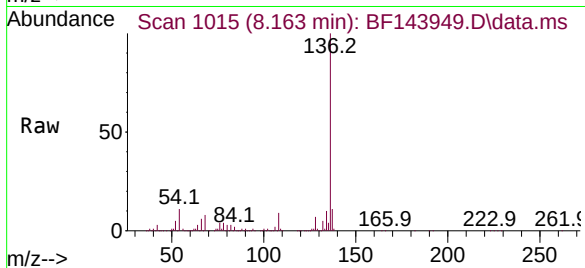
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

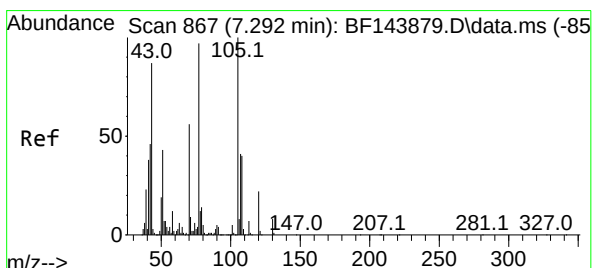
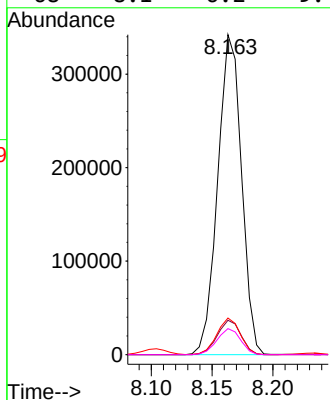
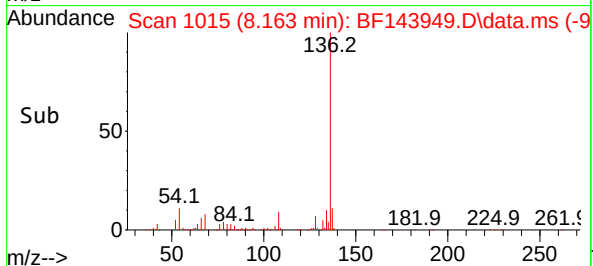


Tgt Ion:136 Resp: 465023
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 11.4 8.2 12.4
68 8.1 6.2 9.4

Manual Integrations

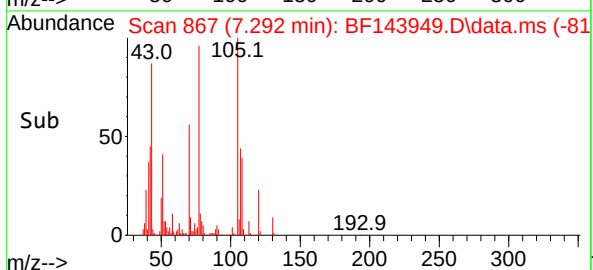
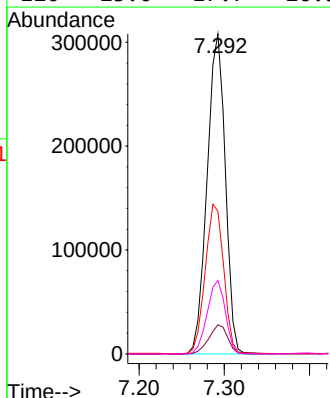
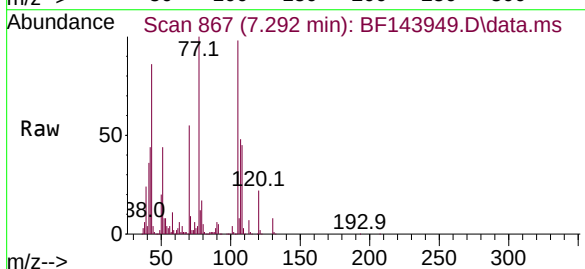
APPROVED

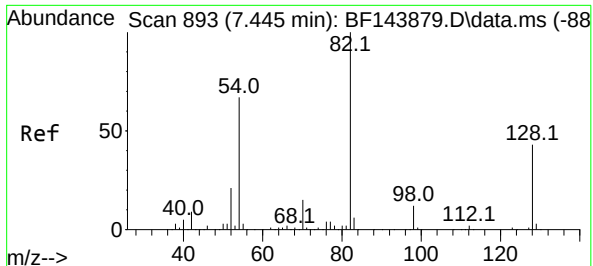
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 893

Delta R.T. -0.012 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion: 82 Resp: 662572

Ion Ratio Lower Upper

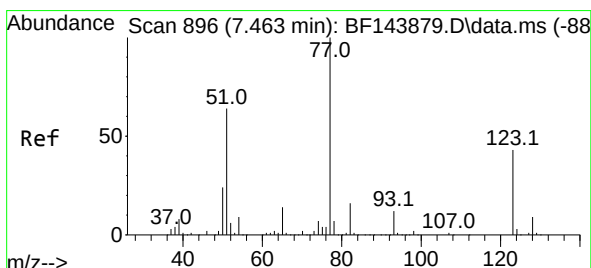
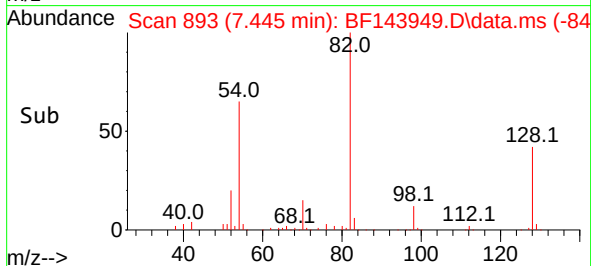
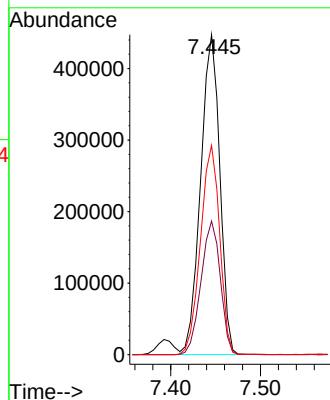
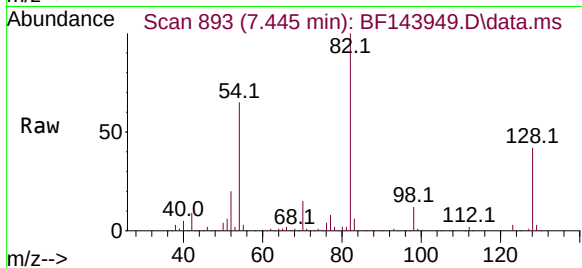
82 100

128 41.7 34.0 51.0

54 65.4 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

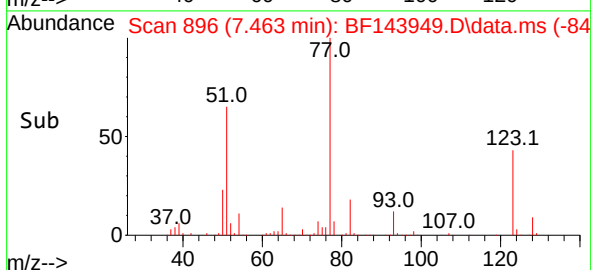
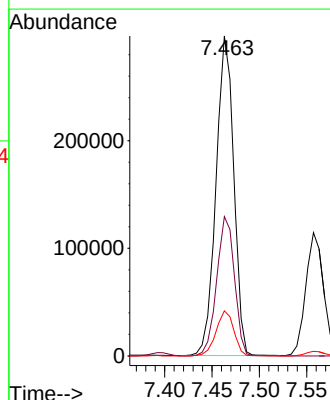
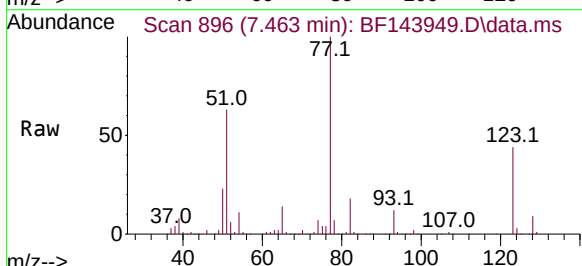
Tgt Ion: 77 Resp: 387411

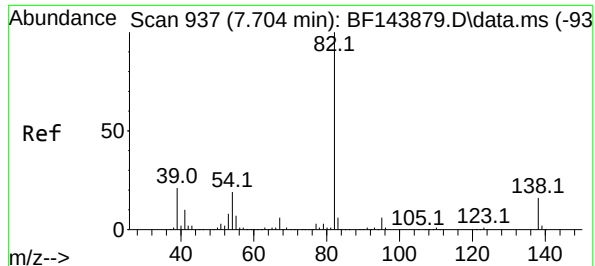
Ion Ratio Lower Upper

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# 937

Delta R.T. -0.018 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion: 82 Resp: 72390

Ion Ratio Lower Upper

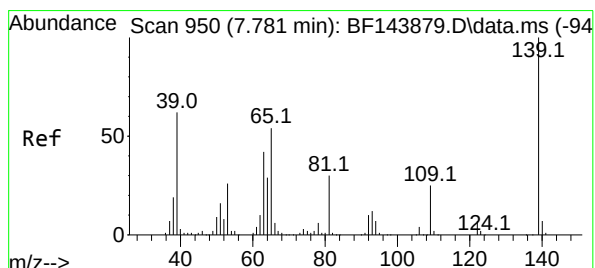
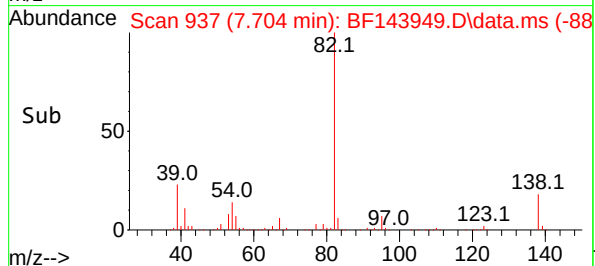
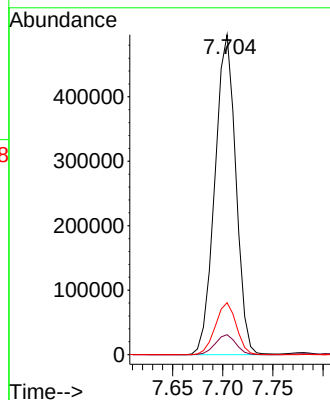
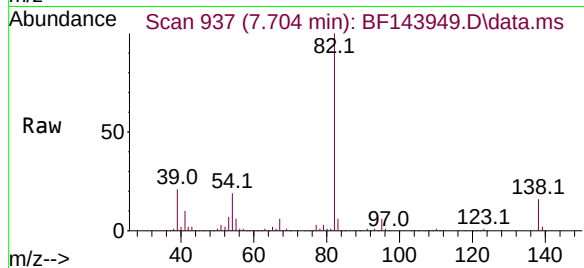
82 100

95 6.2 5.1 7.7

138 16.2 12.9 19.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

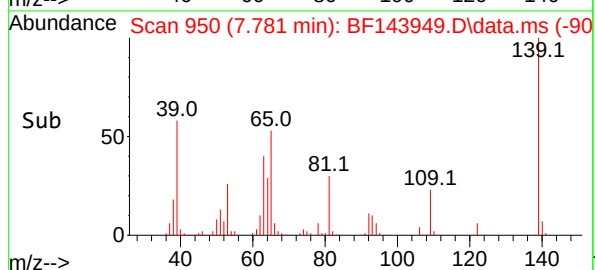
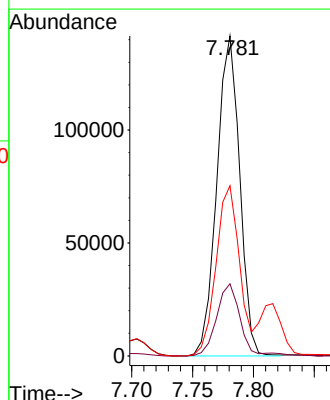
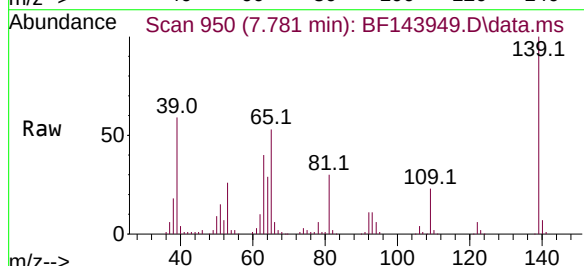
Tgt Ion:139 Resp: 185383

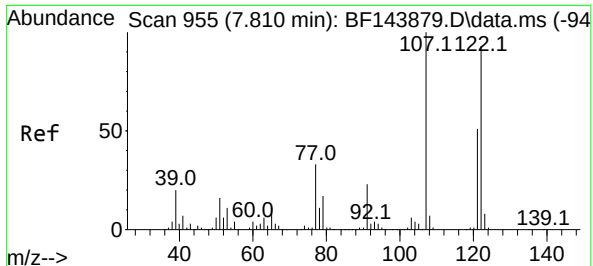
Ion Ratio Lower Upper

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# 91

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:122 Resp: 318432

Ion Ratio Lower Upper

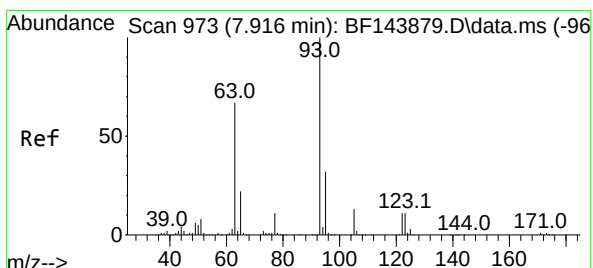
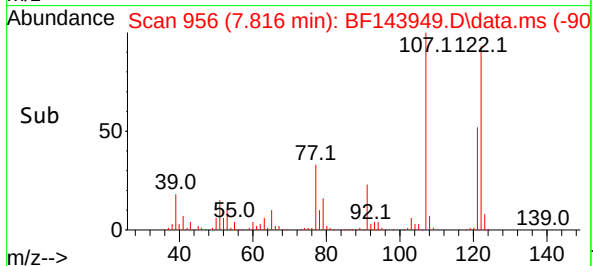
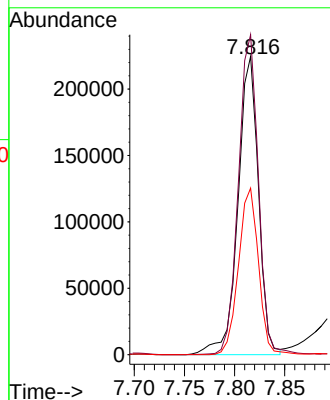
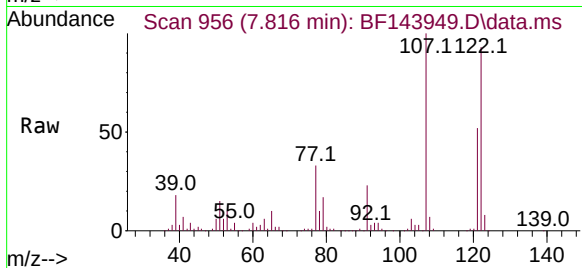
122 100

107 107.3 86.1 129.1

121 55.8 43.8 65.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

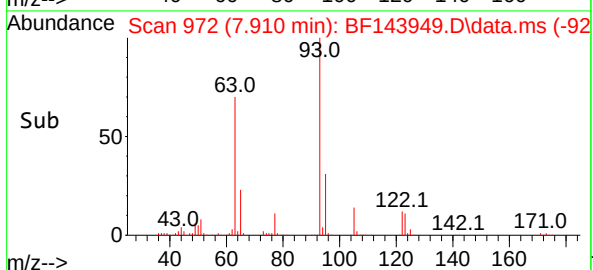
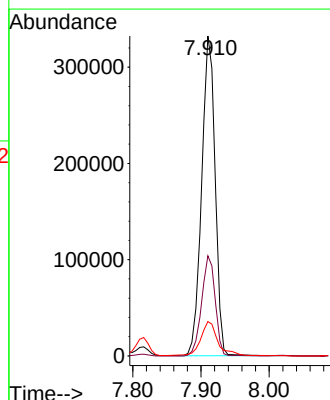
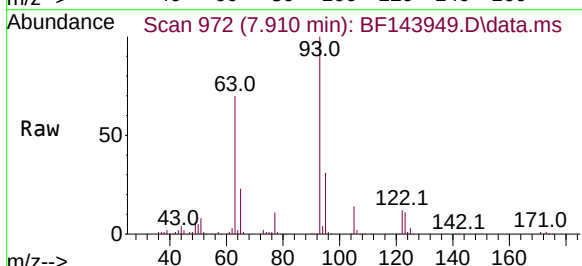
Tgt Ion: 93 Resp: 457201

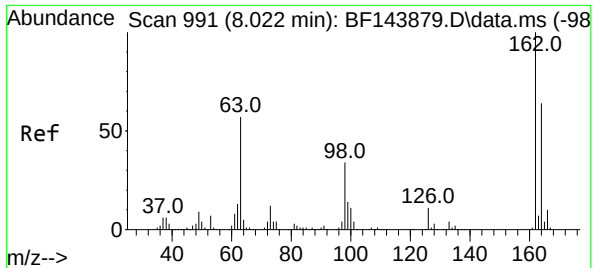
Ion Ratio Lower Upper

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# 991

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

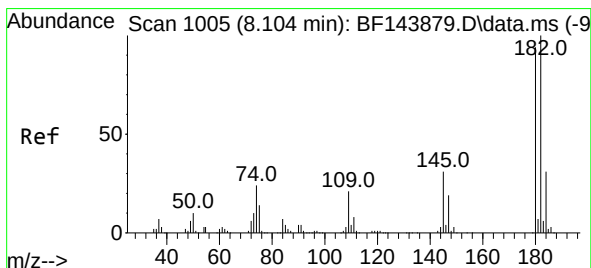
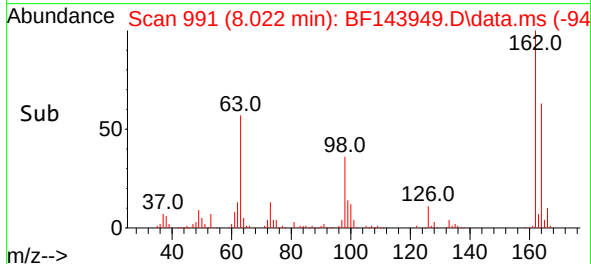
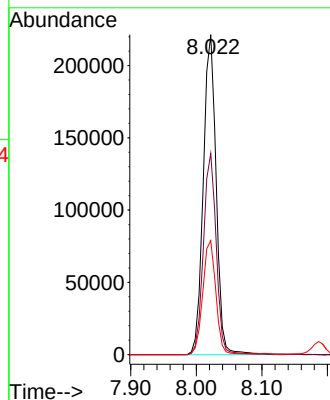
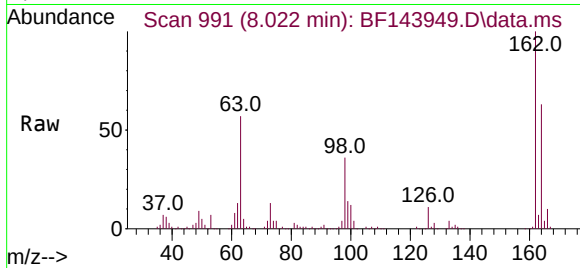
PB170055BS

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.730 ng

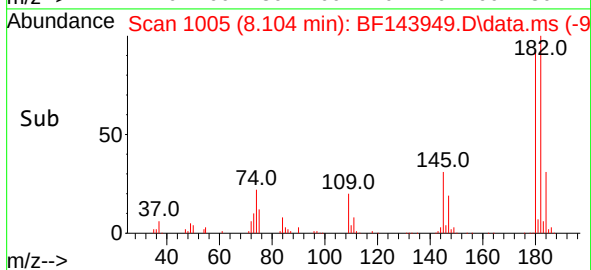
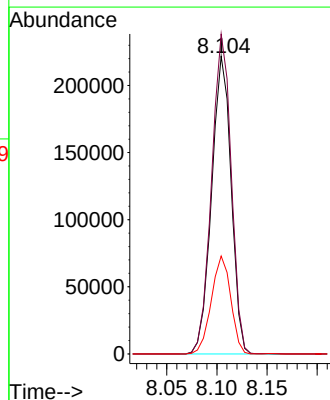
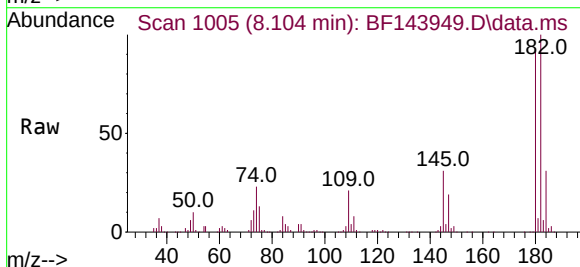
RT: 8.104 min Scan# 1005

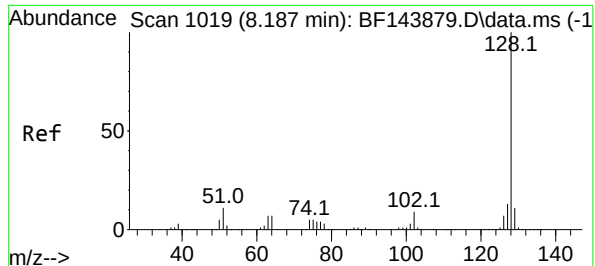
Delta R.T. -0.006 min

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





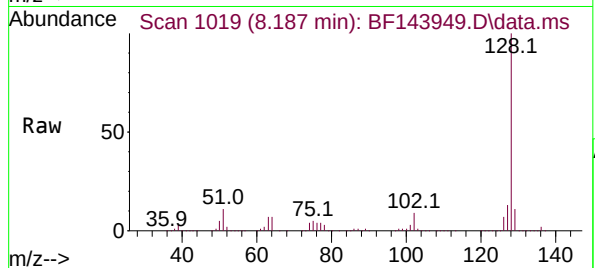
#31
Naphthalene
Concen: 42.827 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

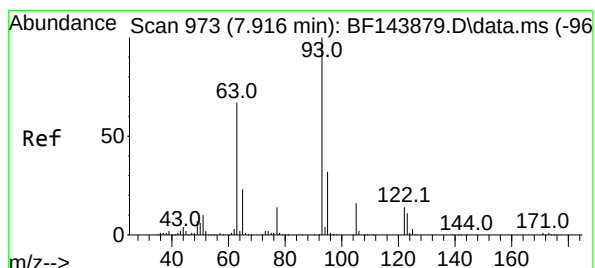
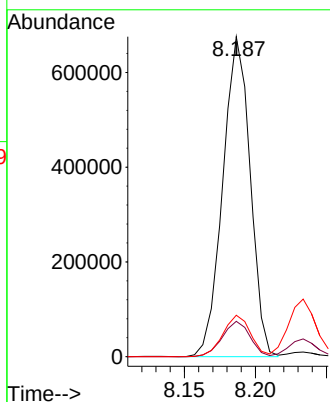
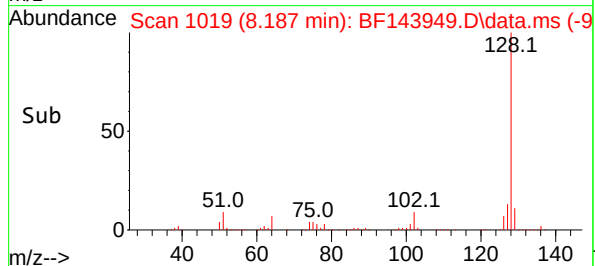
PB170055BS



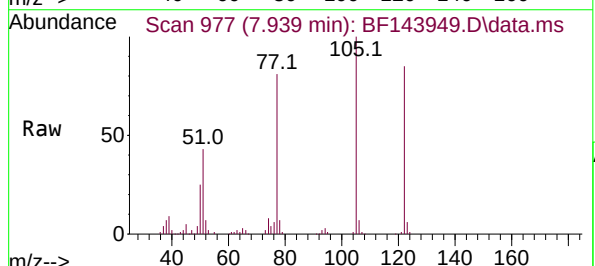
Tgt Ion:128 Resp: 90594
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.0 15.0

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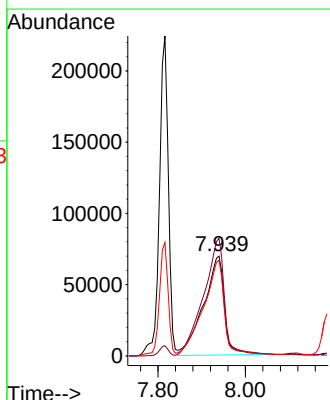
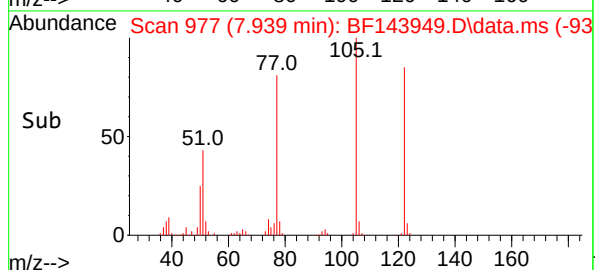
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

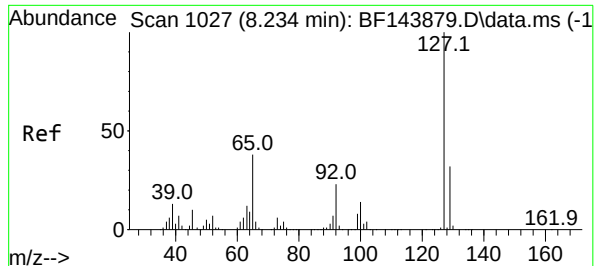


#32
Benzoic acid
Concen: 51.267 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.023 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



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# 1027
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

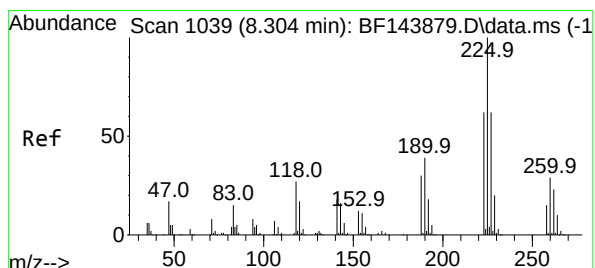
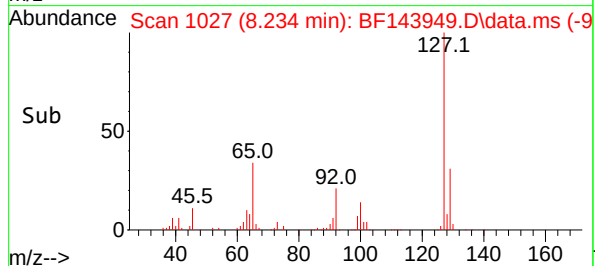
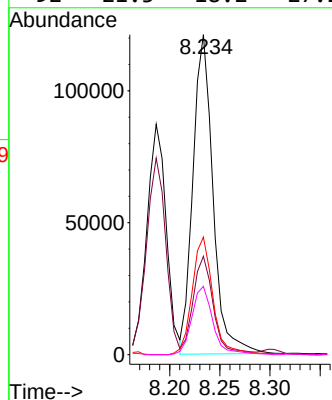
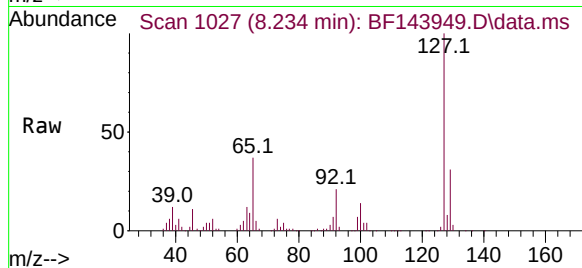
ClientSampleId :

PB170055BS

Tgt Ion:127 Resp: 168571
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

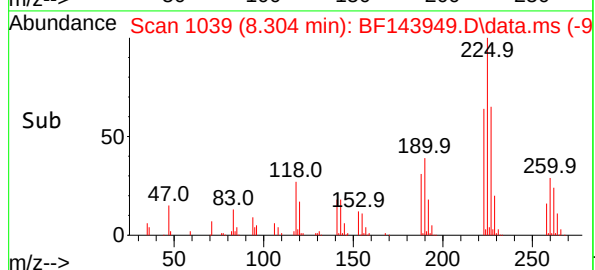
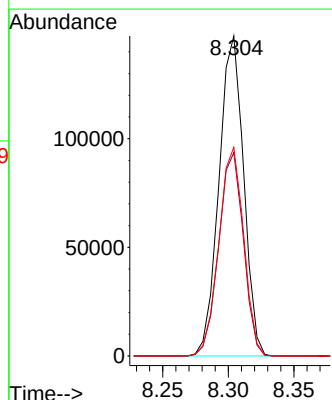
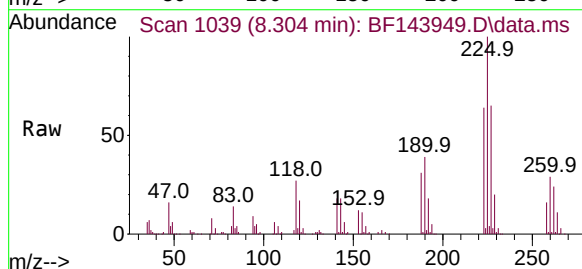
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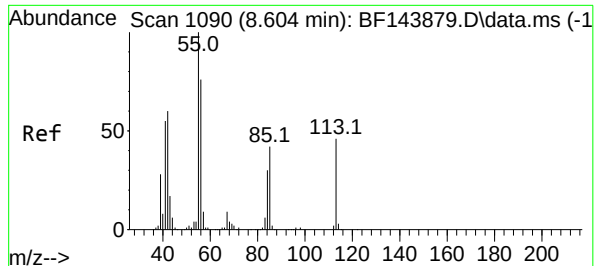
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 1090

Delta R.T. -0.041 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:113 Resp: 102329

Ion Ratio Lower Upper

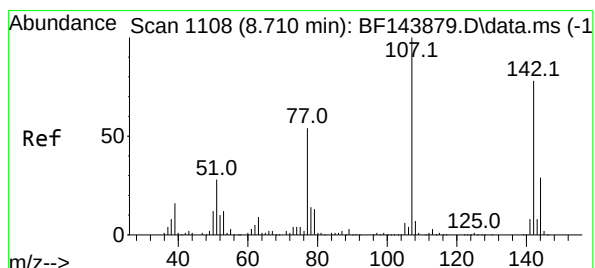
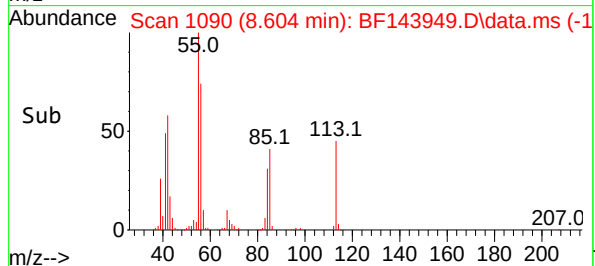
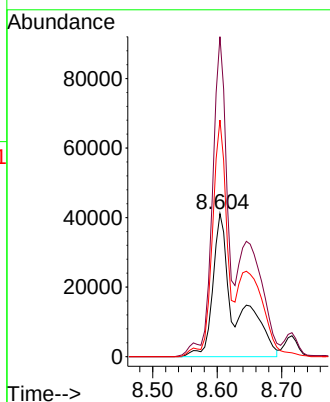
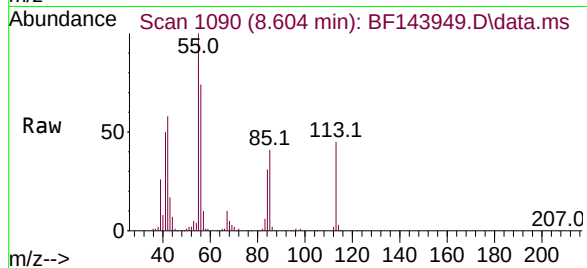
113 100

55 223.8 199.6 239.6

56 165.4 146.0 186.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

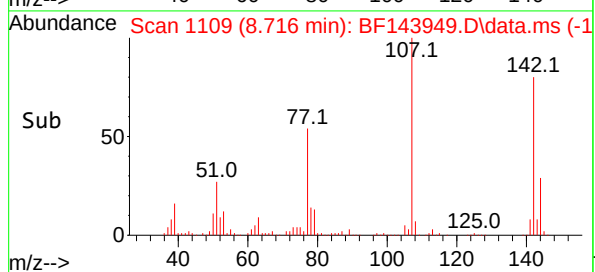
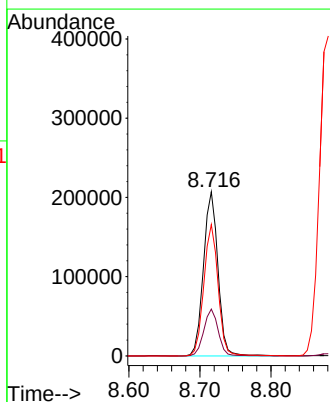
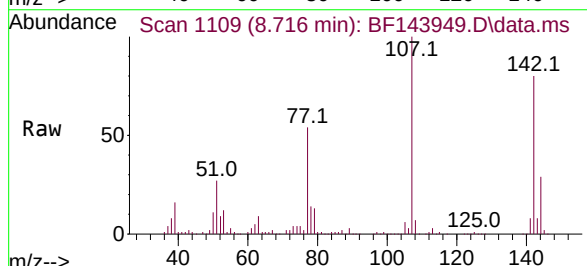
Tgt Ion:107 Resp: 292710

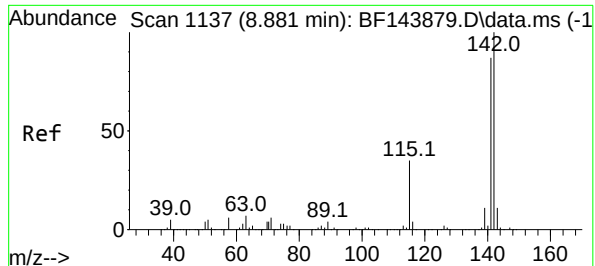
Ion Ratio Lower Upper

107 100

144 28.5 23.1 34.7

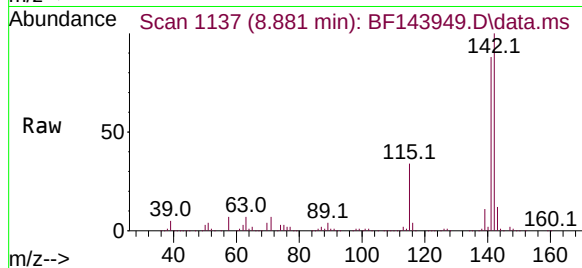
142 80.0 62.6 94.0





#37
2-Methylnaphthalene
Concen: 39.091 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

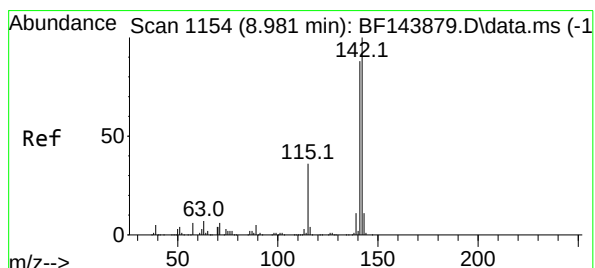
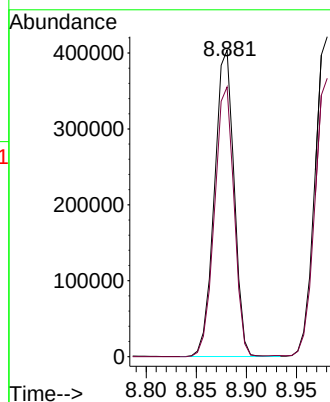
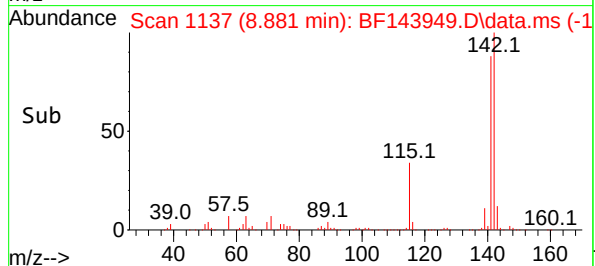
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:142 Resp: 550824
Ion Ratio Lower Upper
142 100
141 88.0 69.2 103.8

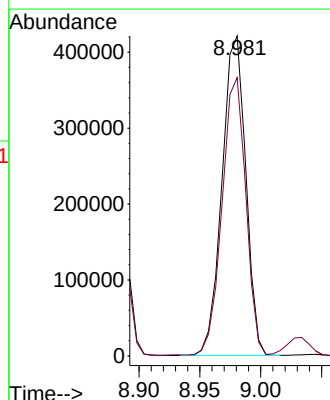
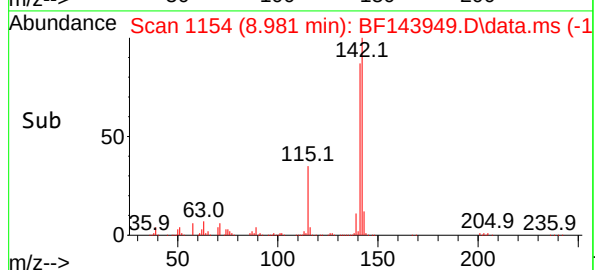
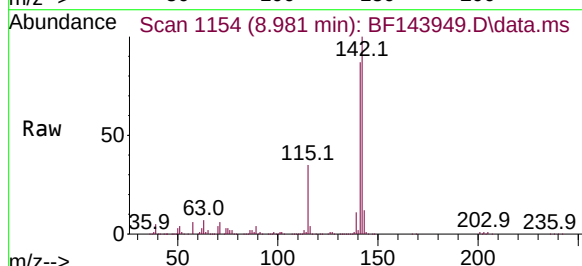
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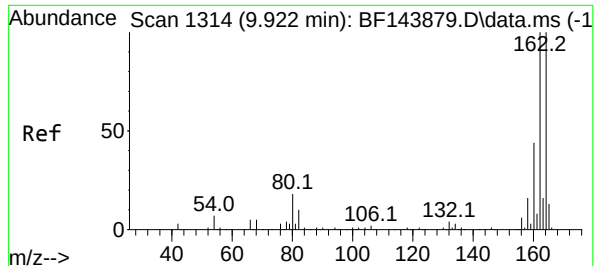
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 1314

Delta R.T. -0.005 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:164 Resp: 256823

Ion Ratio Lower Upper

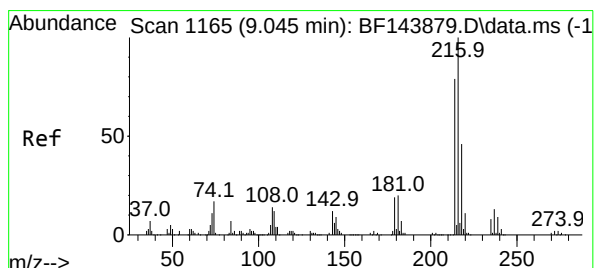
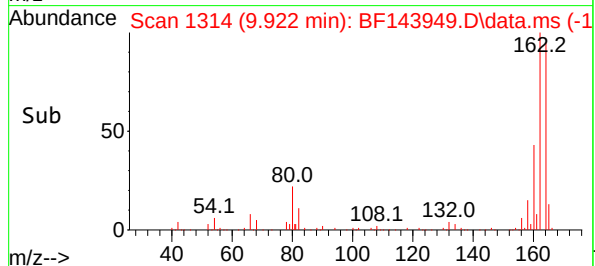
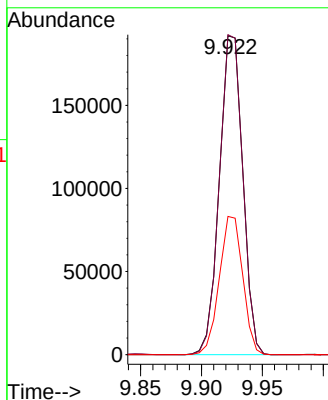
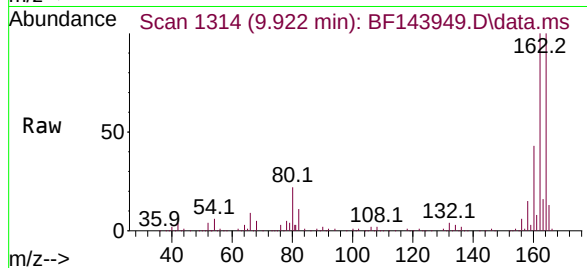
164 100

162 100.4 80.2 120.2

160 43.3 35.4 53.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

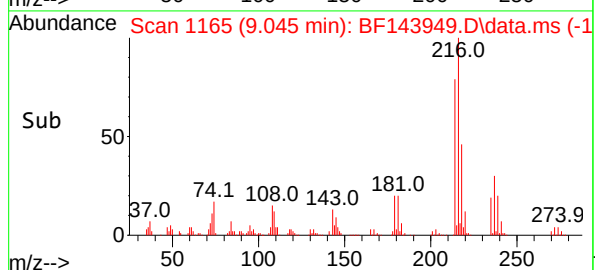
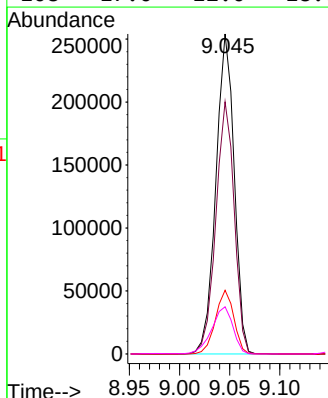
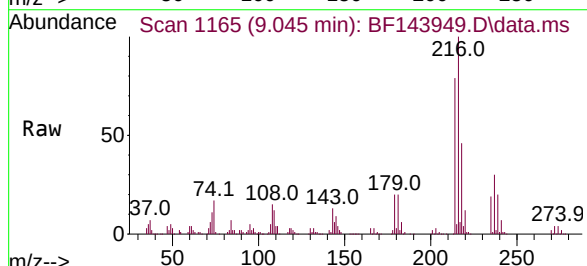
Ion Ratio Lower Upper

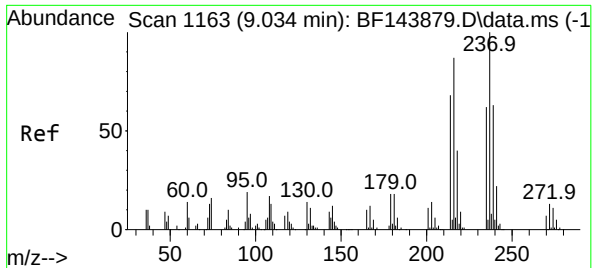
216 100

214 79.0 62.6 94.0

179 19.8 15.4 23.0

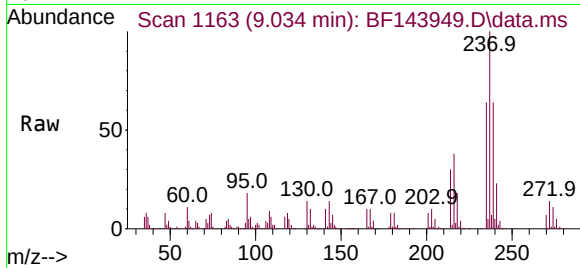
108 17.0 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 108.649 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

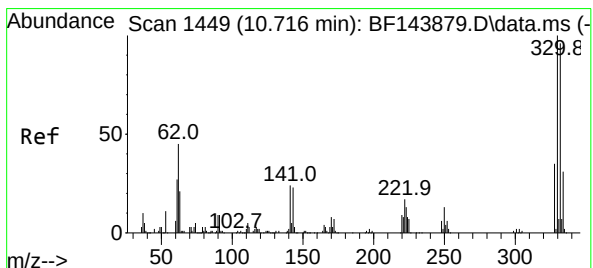
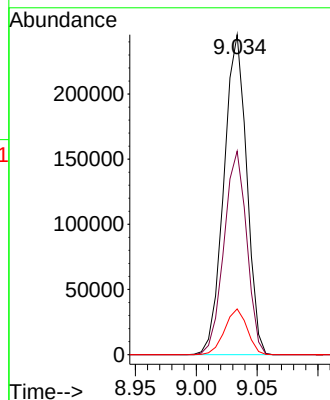
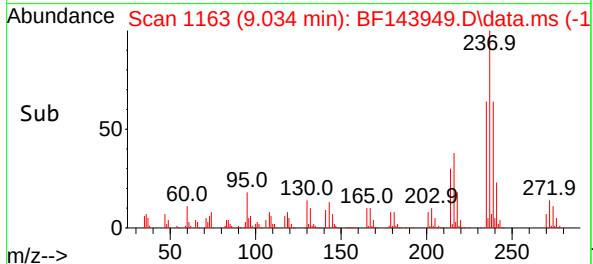
Instrument :
BNA_F
ClientSampleId :
PB170055BS



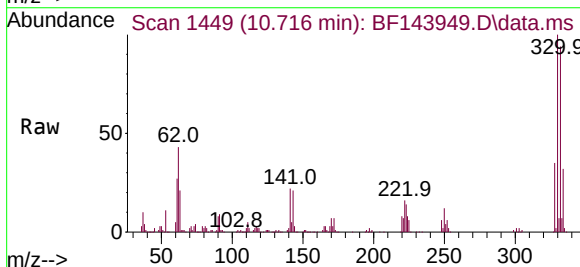
Tgt Ion:237 Resp: 319945
Ion Ratio Lower Upper
237 100
235 63.6 42.3 82.3
272 14.3 0.0 33.1

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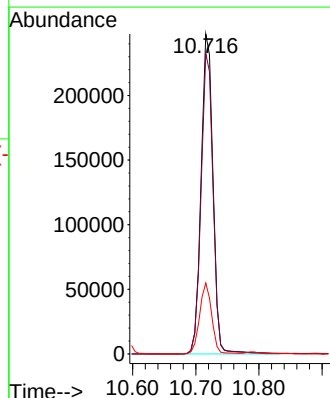
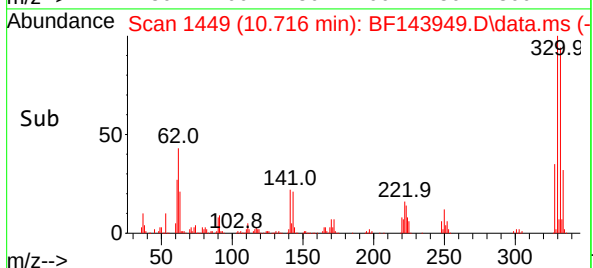
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

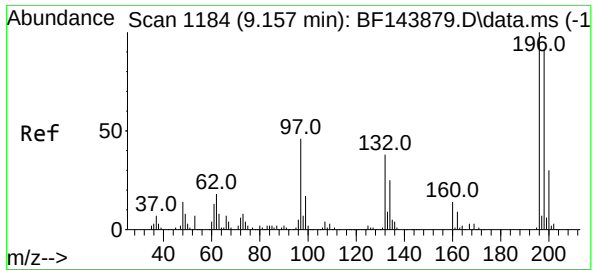


#42
2,4,6-Tribromophenol
Concen: 127.036 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



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# 1184

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

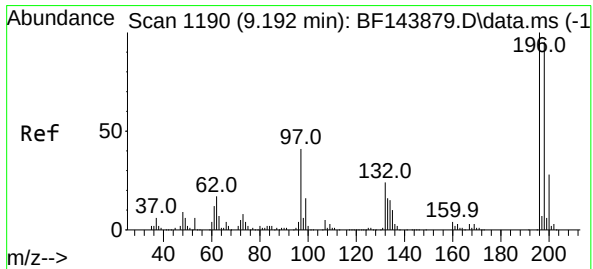
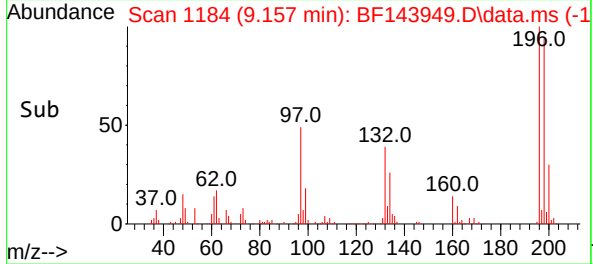
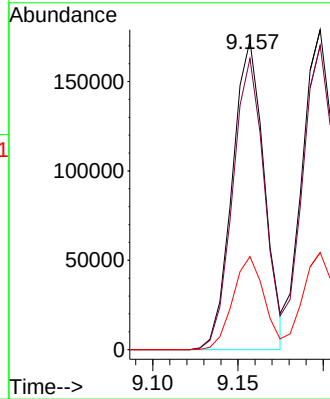
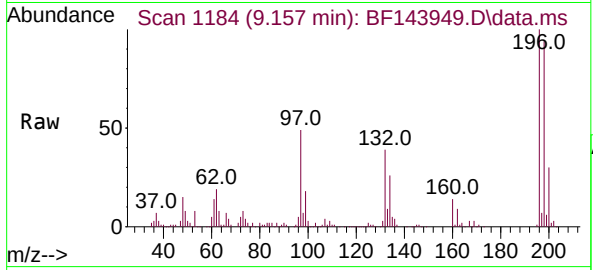
Instrument :

BNA_F

ClientSampleId :

PB170055BS

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

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Supervised By :mohammad ahmed 10/17/2025

#44

2,4,5-Trichlorophenol

Concen: 44.031 ng

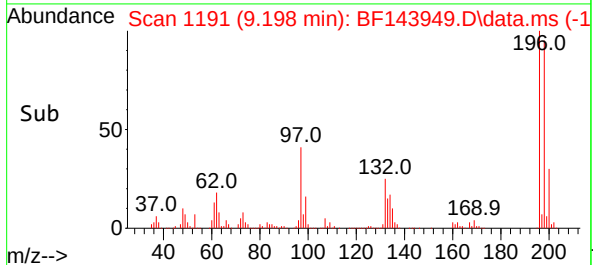
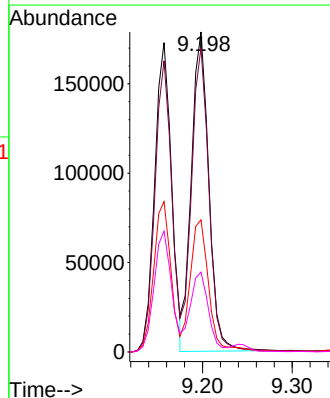
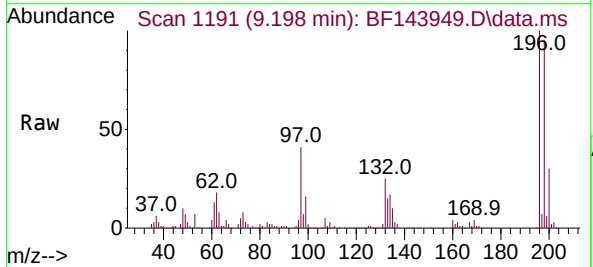
RT: 9.198 min Scan# 1191

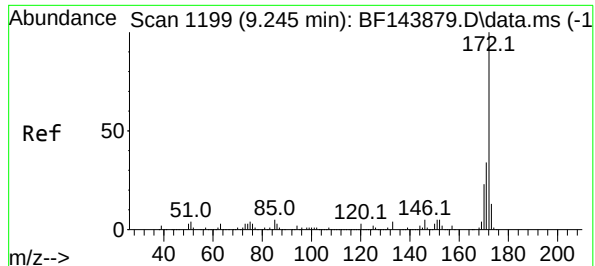
Delta R.T. -0.006 min

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# 1199

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:172 Resp: 1249663

Ion Ratio Lower Upper

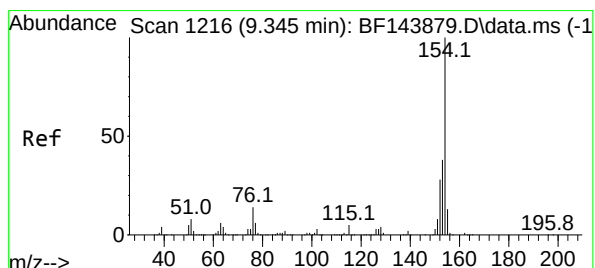
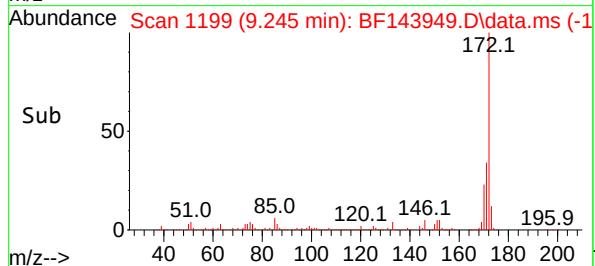
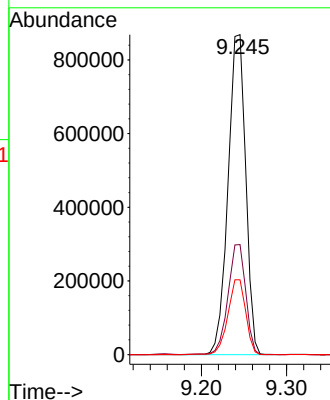
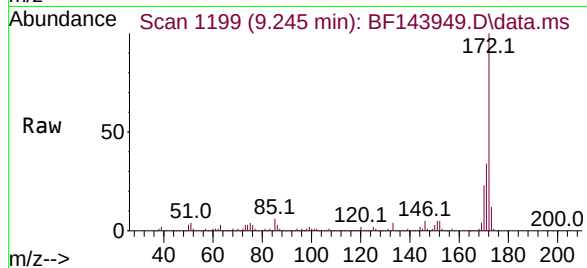
172 100

171 34.4 27.4 41.0

170 23.4 18.6 28.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

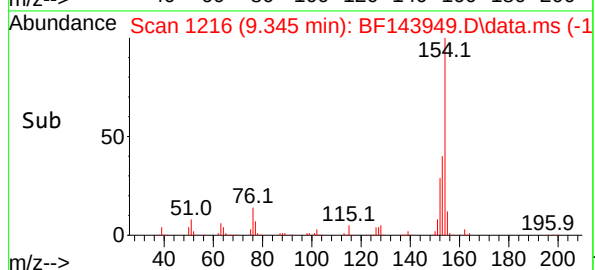
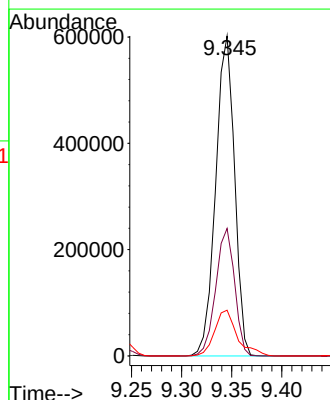
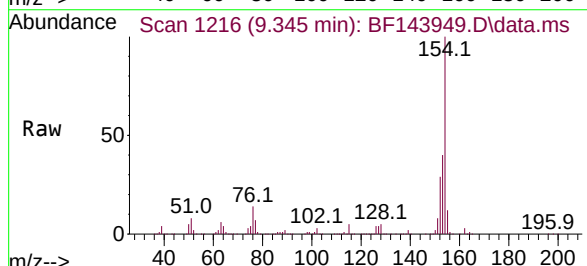
Tgt Ion:154 Resp: 787600

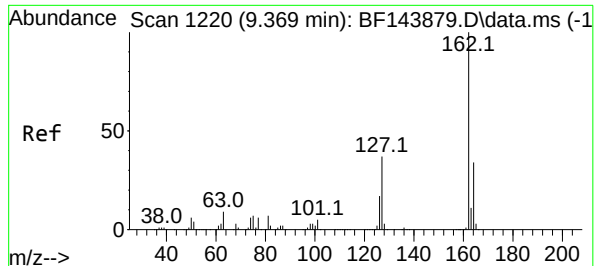
Ion Ratio Lower Upper

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# 1220

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:162 Resp: 609645

Ion Ratio Lower Upper

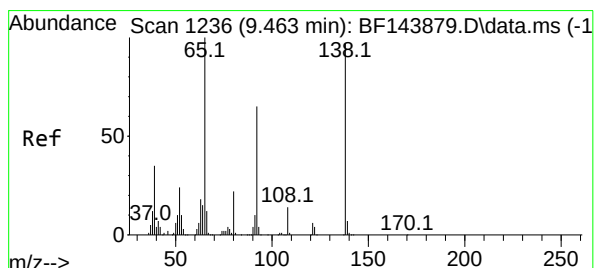
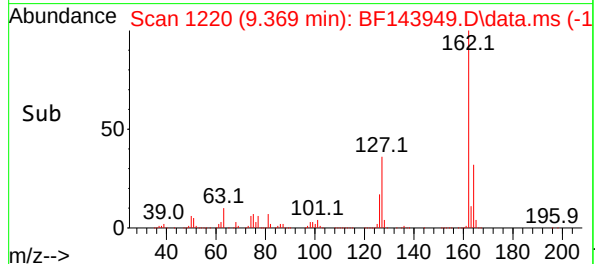
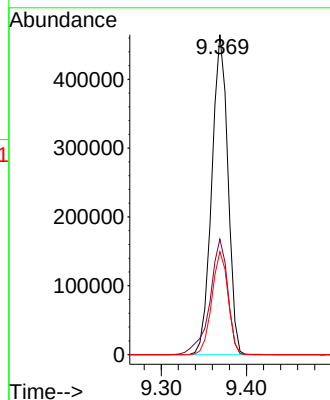
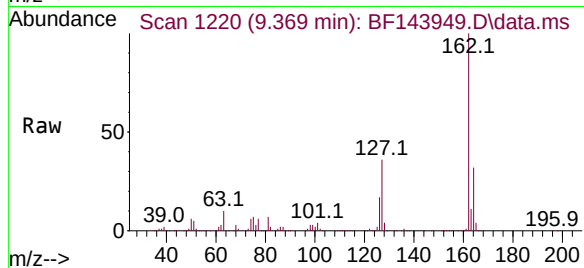
162 100

127 36.1 30.2 45.2

164 32.2 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

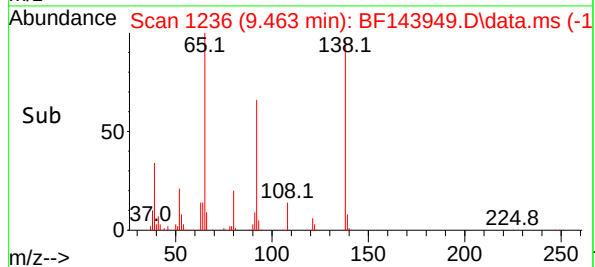
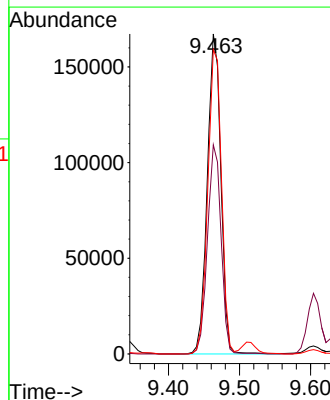
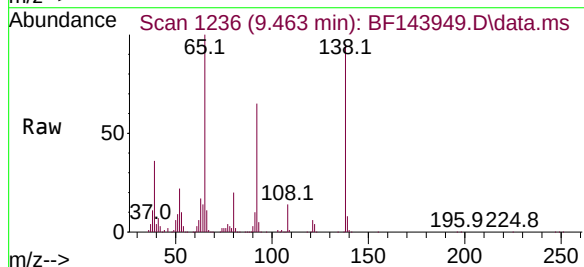
Tgt Ion: 65 Resp: 220218

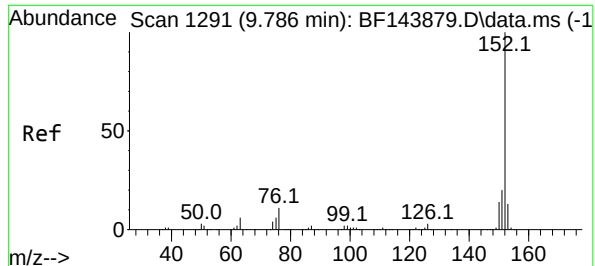
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:152 Resp: 967163

Ion Ratio Lower Upper

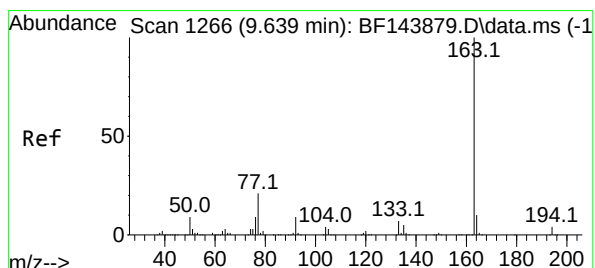
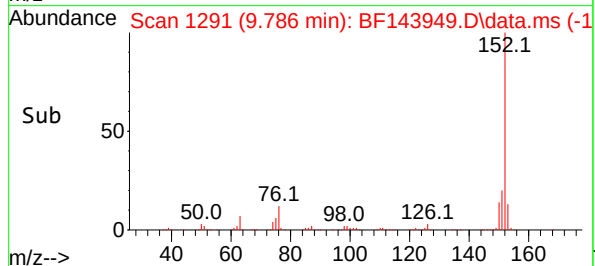
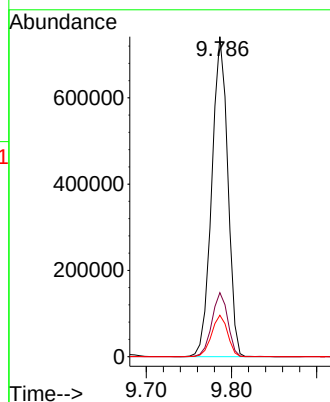
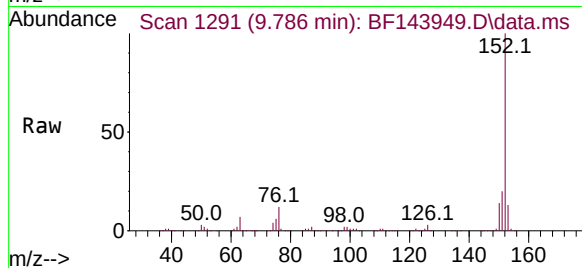
152 100

151 20.0 15.8 23.6

153 12.9 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

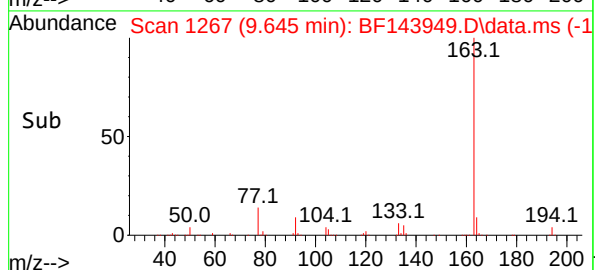
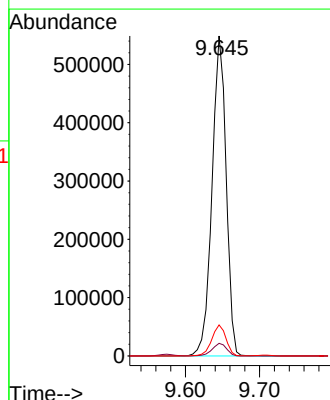
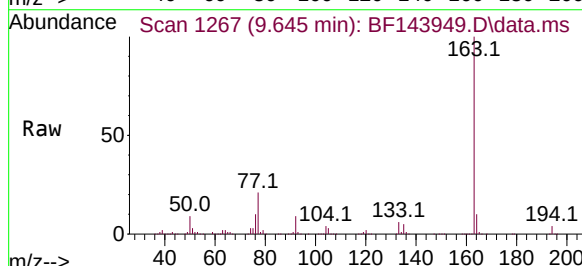
Tgt Ion:163 Resp: 726615

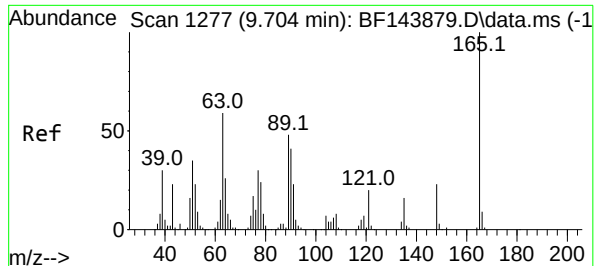
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

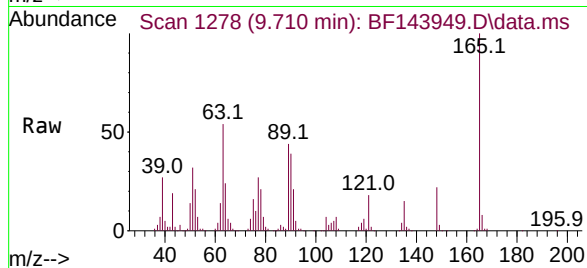
164 9.7 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 52.302 ng
RT: 9.710 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

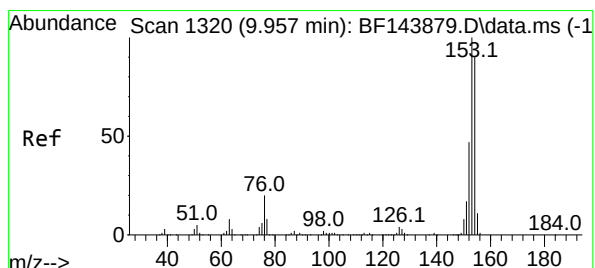
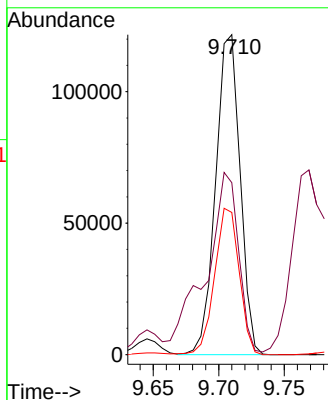
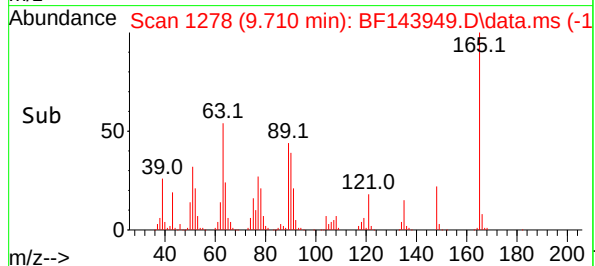
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:165 Resp: 158175
Ion Ratio Lower Upper
165 100
63 53.7 47.3 70.9
89 44.4 38.2 57.4

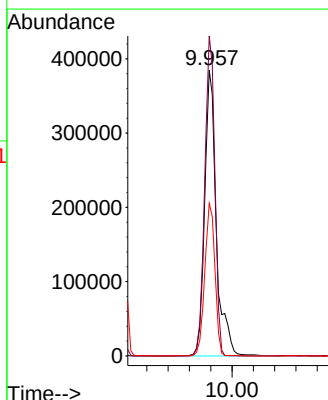
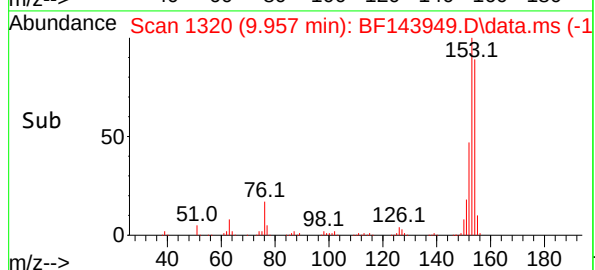
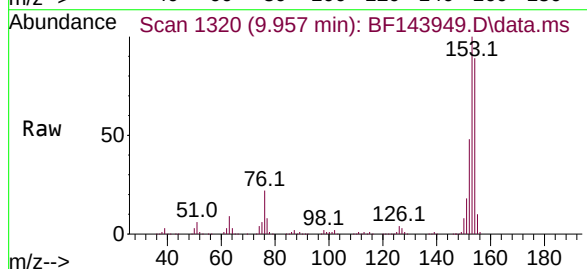
Manual Integrations
APPROVED

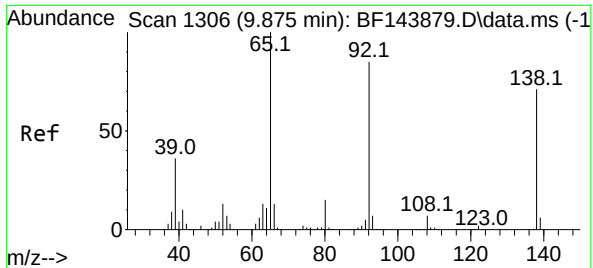
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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

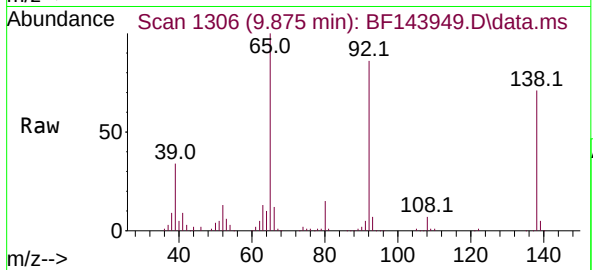
Tgt Ion:154 Resp: 585998
Ion Ratio Lower Upper
154 100
153 111.9 89.3 133.9
152 53.3 42.2 63.2





#53
3-Nitroaniline
Concen: 32.248 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

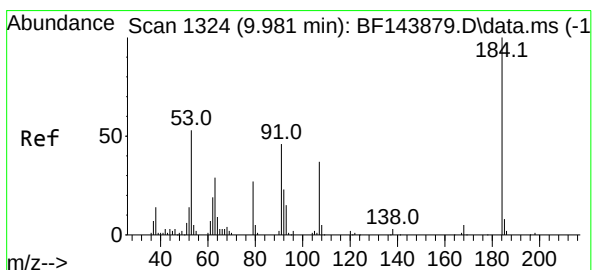
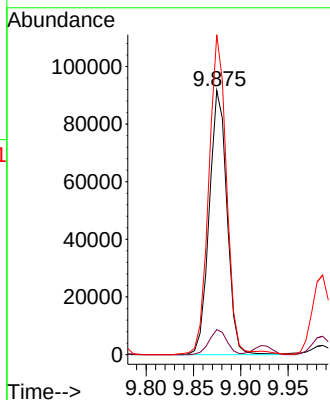
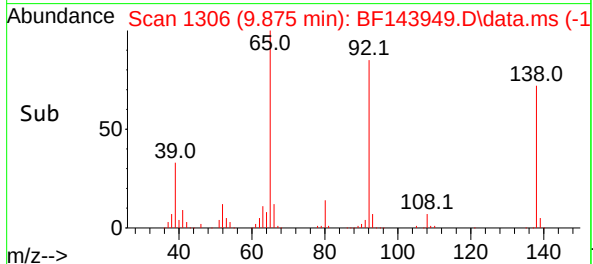
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:138 Resp: 119416
Ion Ratio Lower Upper
138 100
108 9.5 8.3 12.5
92 121.2 96.2 144.2

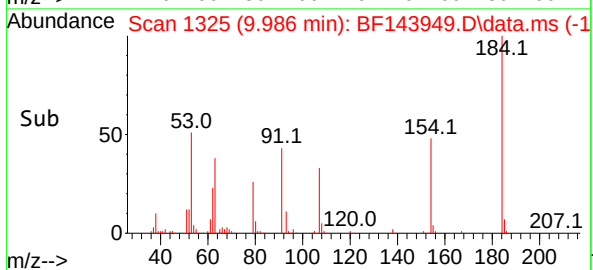
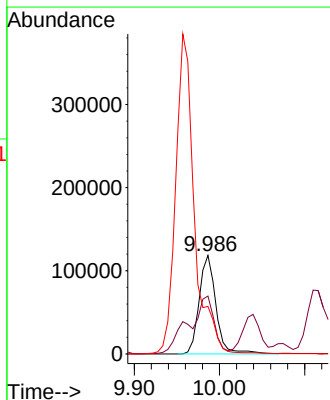
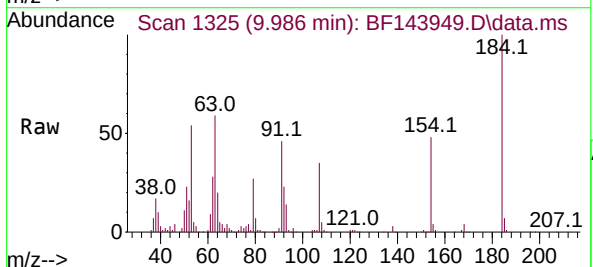
Manual Integrations
APPROVED

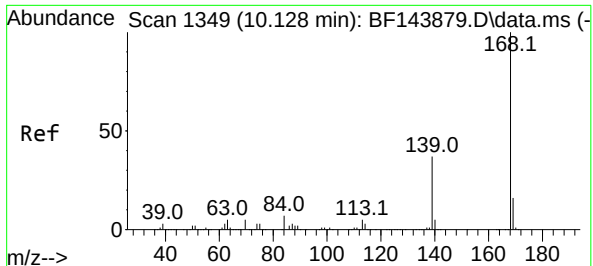
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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# 1349

Delta R.T. 0.000 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:168 Resp: 792450

Ion Ratio Lower Upper

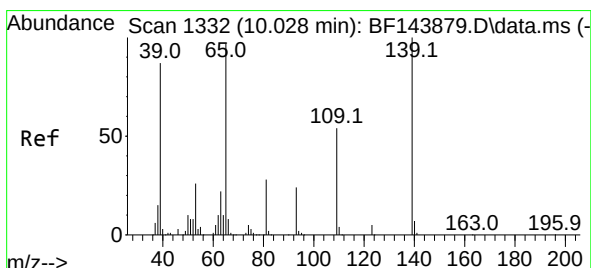
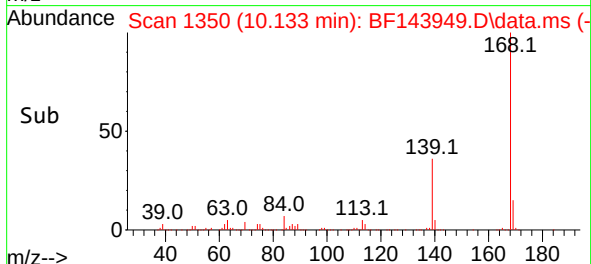
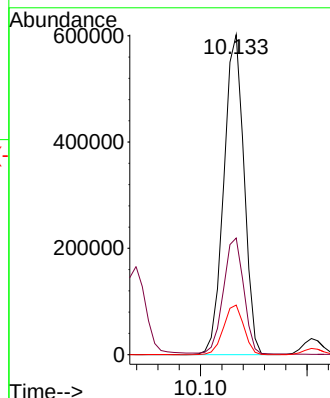
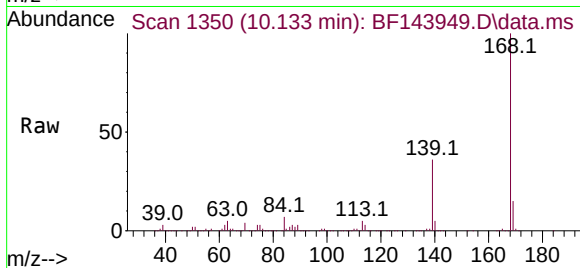
168 100

139 36.4 29.8 44.8

169 15.5 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

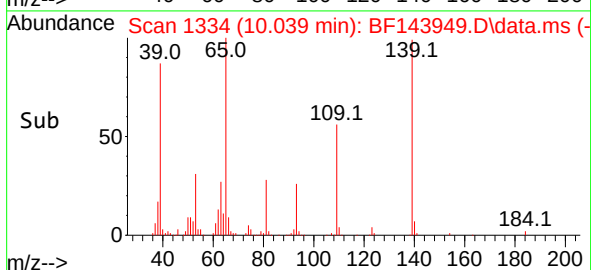
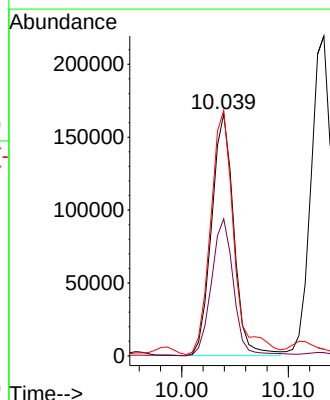
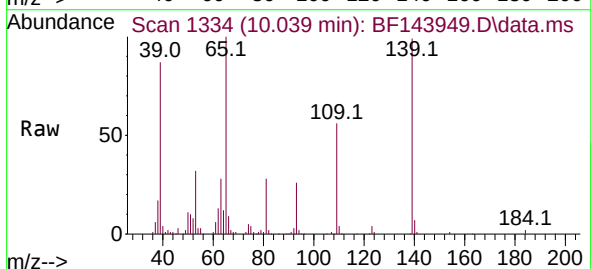
Tgt Ion:139 Resp: 240051

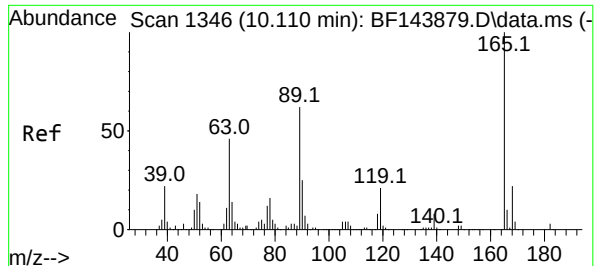
Ion Ratio Lower Upper

139 100

109 56.7 34.5 74.5

65 101.5 77.6 117.6





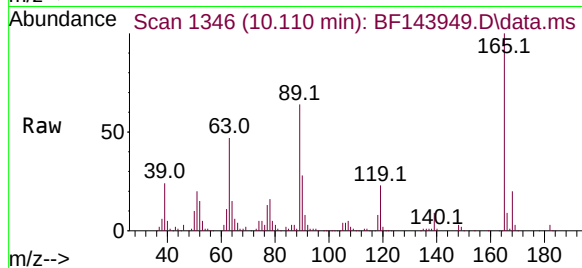
#57
2,4-Dinitrotoluene
Concen: 52.070 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

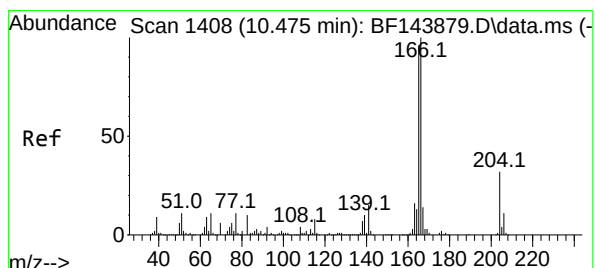
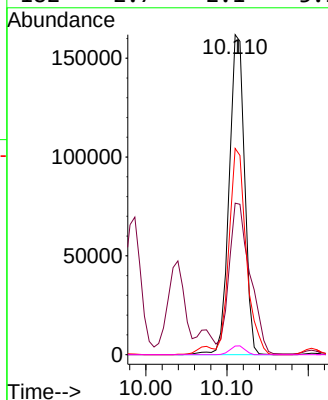
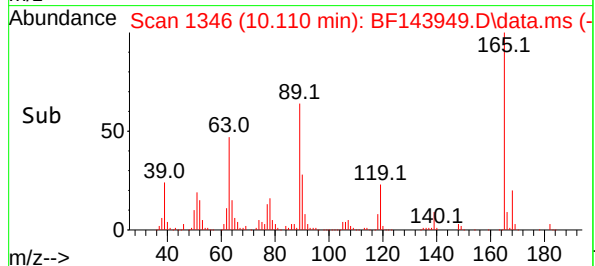
PB170055BS



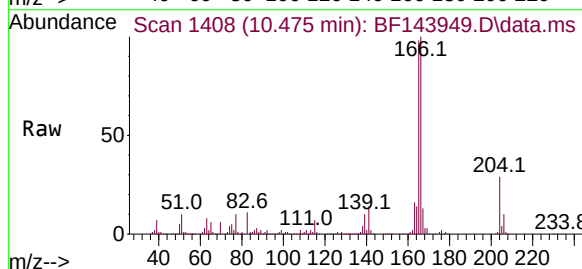
Tgt Ion:165 Resp: 214262
Ion Ratio Lower Upper
165 100
63 47.3 37.2 55.8
89 64.4 49.4 74.2
182 2.7 2.1 3.1

Manual Integrations
APPROVED

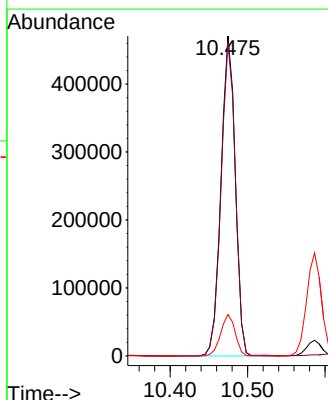
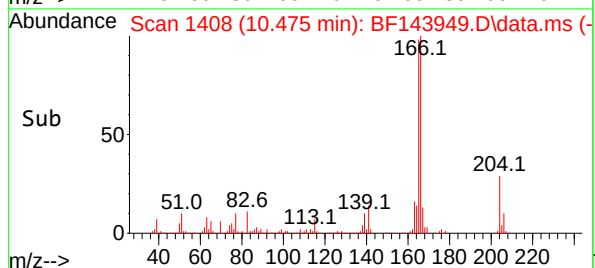
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

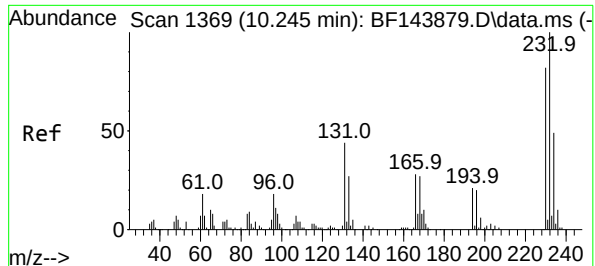


#58
Fluorene
Concen: 43.328 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



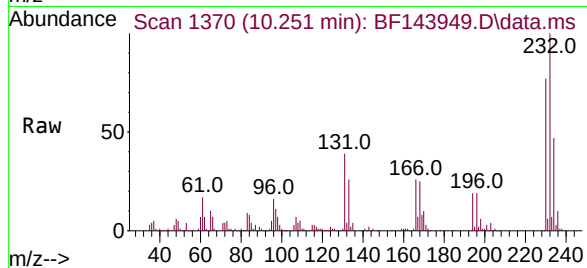
Tgt Ion:166 Resp: 602736
Ion Ratio Lower Upper
166 100
165 97.8 77.0 115.6
167 12.9 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.176 ng m
RT: 10.251 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

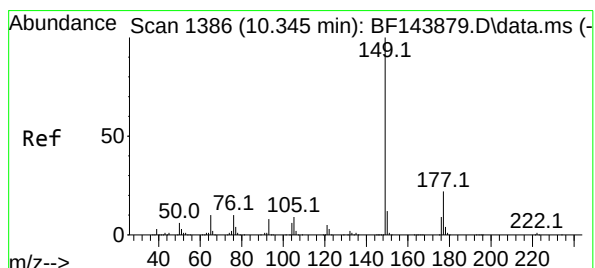
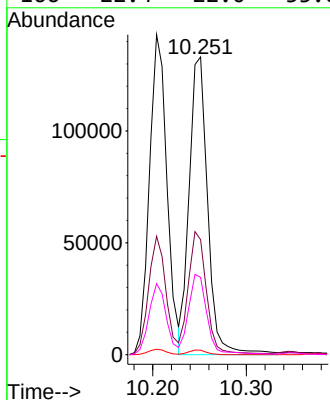
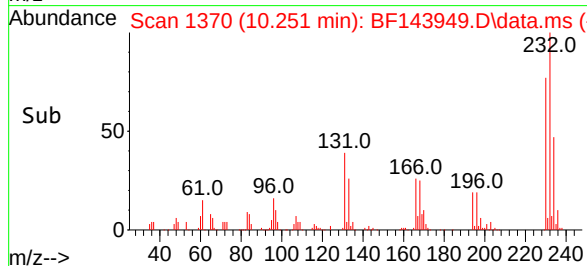
Instrument :
BNA_F
ClientSampleId :
PB170055BS



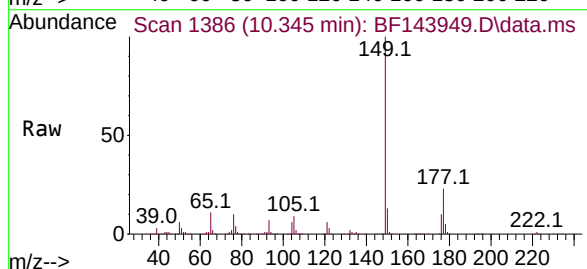
Tgt Ion:232 Resp: 183031
Ion Ratio Lower Upper
232 100
131 37.6 34.9 52.3
130 1.7 1.6 2.4
166 22.4 22.0 33.0

Manual Integrations
APPROVED

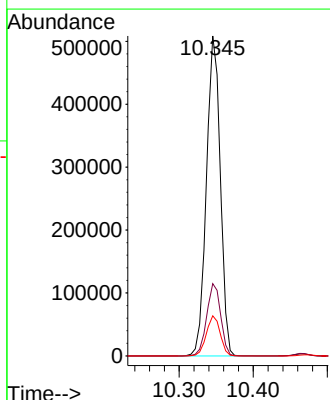
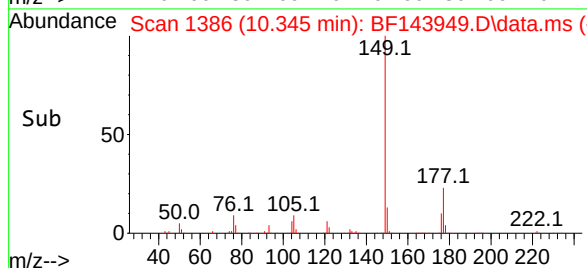
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

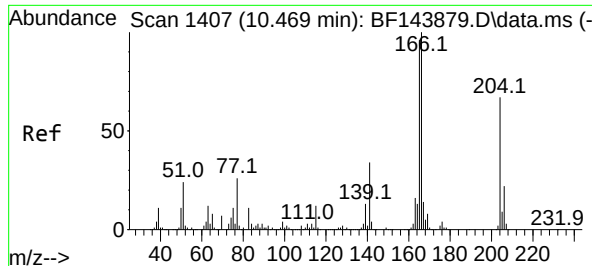


#60
Diethylphthalate
Concen: 43.636 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



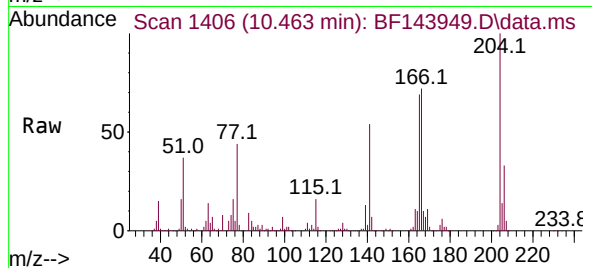
Tgt Ion:149 Resp: 661161
Ion Ratio Lower Upper
149 100
177 22.6 17.9 26.9
150 12.5 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 42.498 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

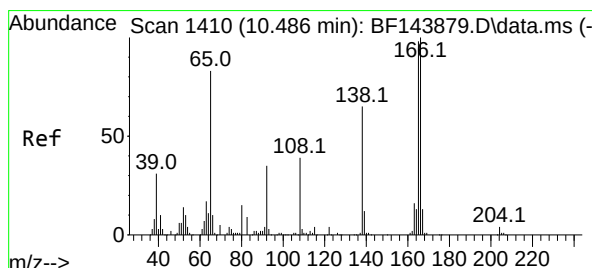
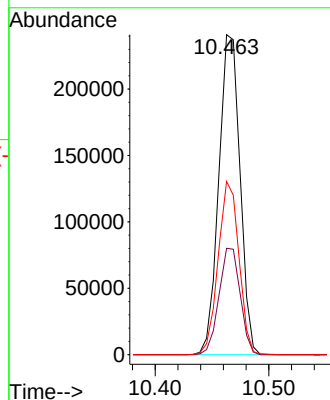
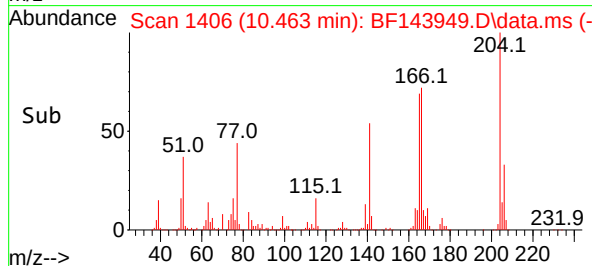
Instrument :
BNA_F
ClientSampleId :
PB170055BS



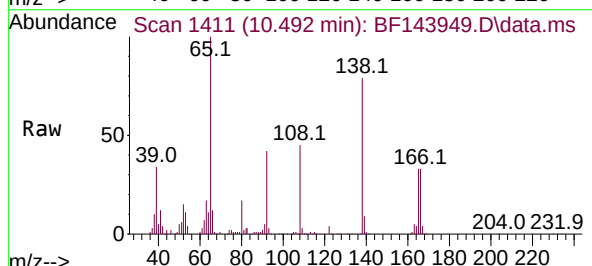
Tgt Ion:204 Resp: 312560
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 54.1 40.4 60.6

Manual Integrations
APPROVED

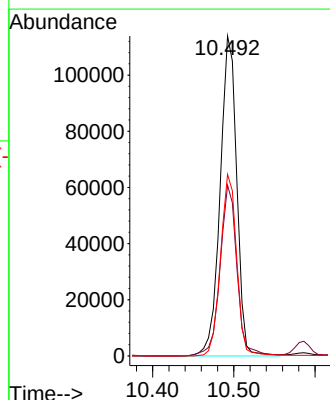
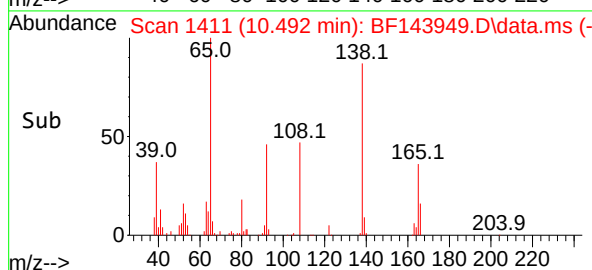
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

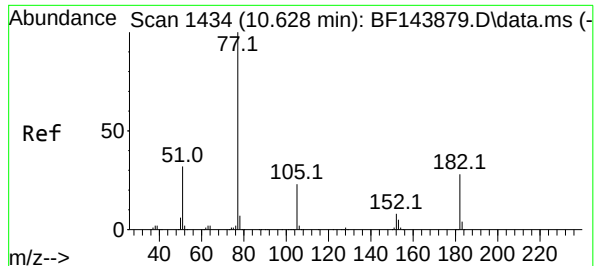


#62
4-Nitroaniline
Concen: 45.388 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.017 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



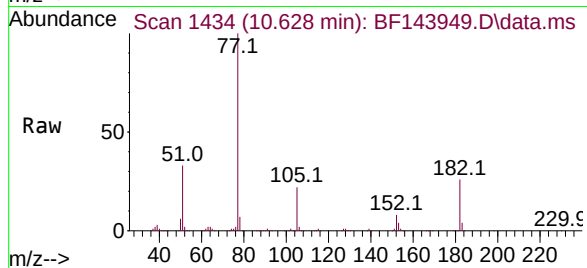
Tgt Ion:138 Resp: 161624
Ion Ratio Lower Upper
138 100
92 53.3 33.9 73.9
108 56.7 40.2 80.2





#63
Azobenzene
Concen: 46.187 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

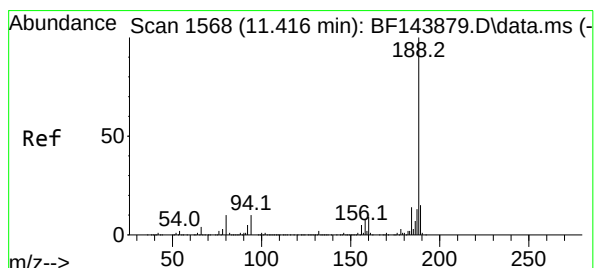
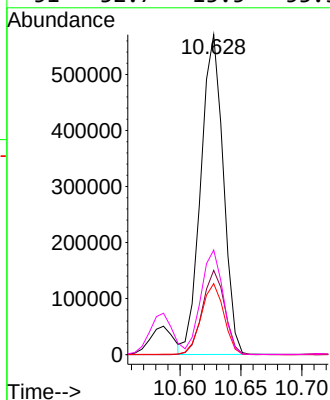
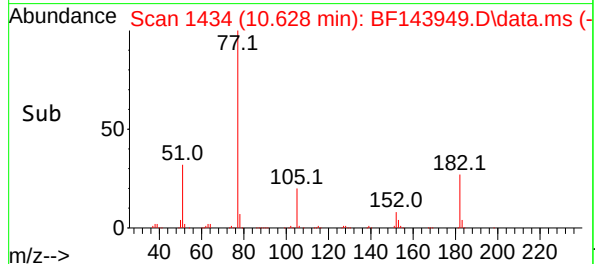
Instrument :
BNA_F
ClientSampleId :
PB170055BS



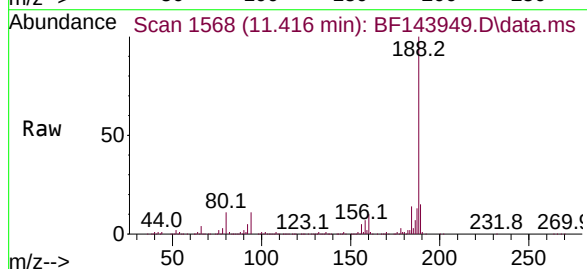
Tgt Ion: 77 Resp: 731390
Ion Ratio Lower Upper
77 100
182 26.3 7.3 47.3
105 22.2 3.0 43.0
51 32.7 13.5 53.5

Manual Integrations
APPROVED

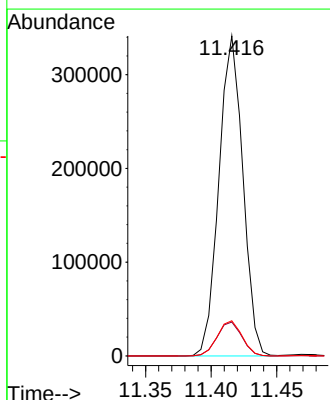
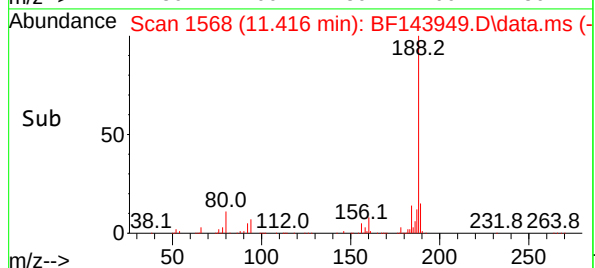
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

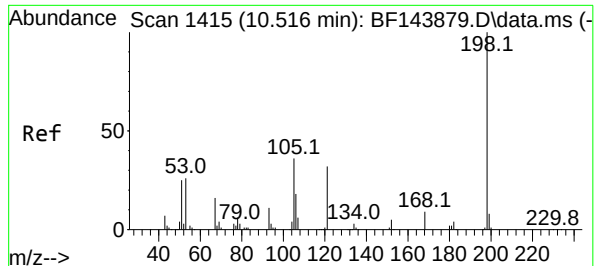


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



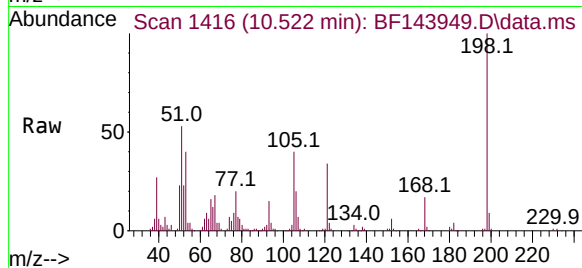
Tgt Ion:188 Resp: 433771
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.0 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 53.501 ng
RT: 10.522 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

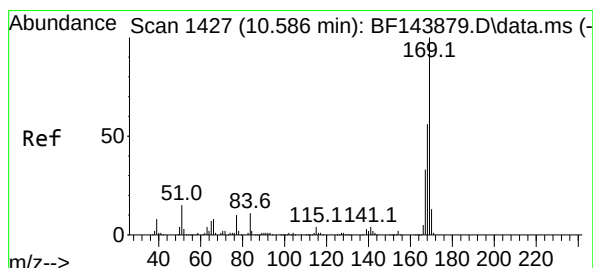
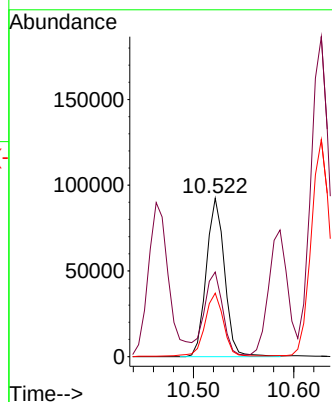
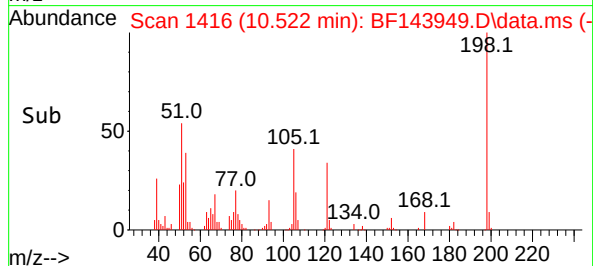
Instrument :
BNA_F
ClientSampleId :
PB170055BS



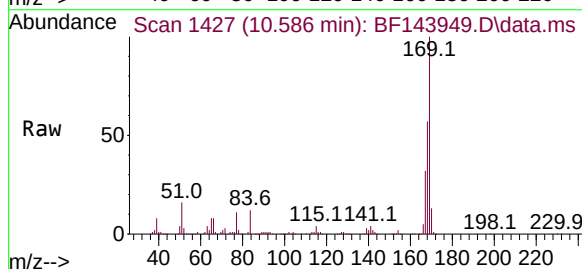
Tgt Ion:198 Resp: 116621
Ion Ratio Lower Upper
198 100
51 53.4 33.8 73.8
105 40.1 17.0 57.0

Manual Integrations
APPROVED

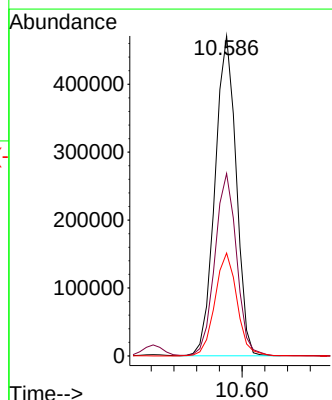
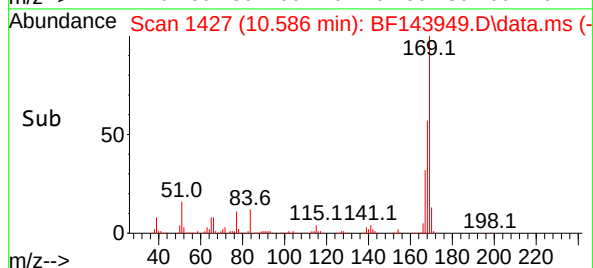
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

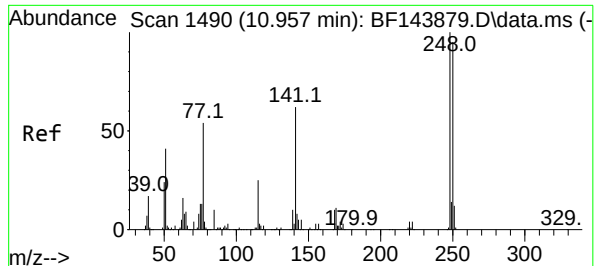


#66
n-Nitrosodiphenylamine
Concen: 44.786 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



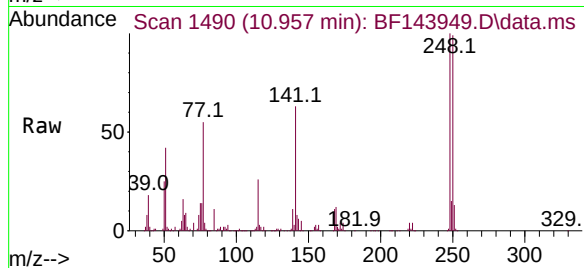
Tgt Ion:169 Resp: 609980
Ion Ratio Lower Upper
169 100
168 57.0 44.9 67.3
167 32.1 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 42.559 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

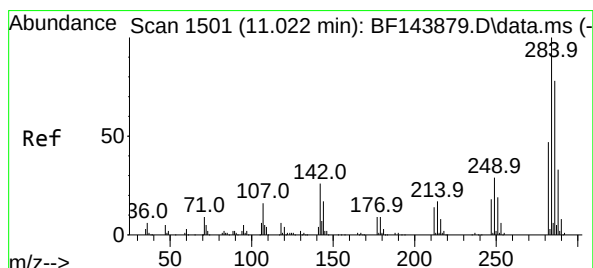
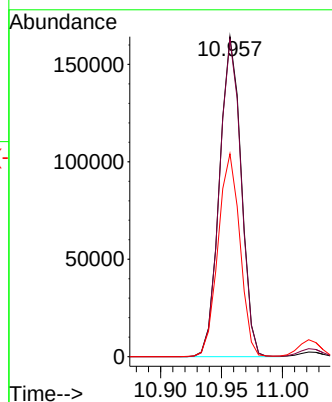
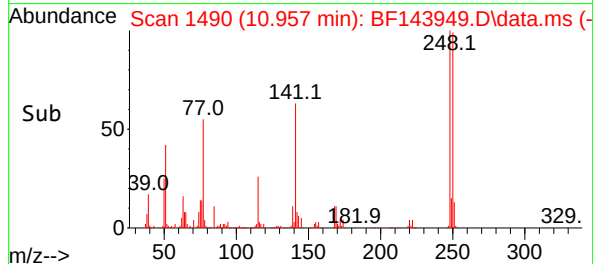
Instrument :
BNA_F
ClientSampleId :
PB170055BS



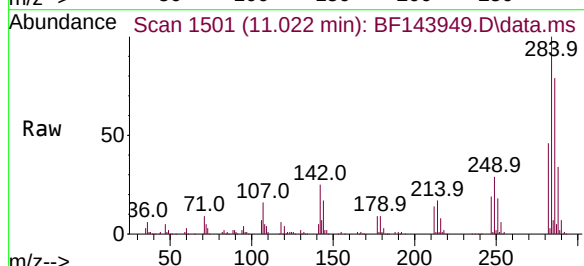
Tgt Ion:248 Resp: 204021
Ion Ratio Lower Upper
248 100
250 99.1 76.3 114.5
141 63.4 49.7 74.5

Manual Integrations
APPROVED

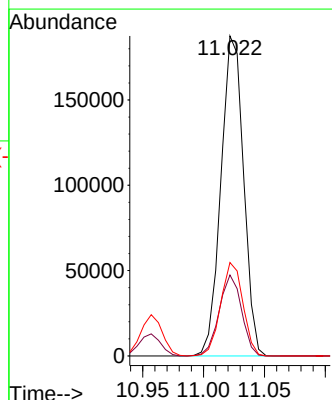
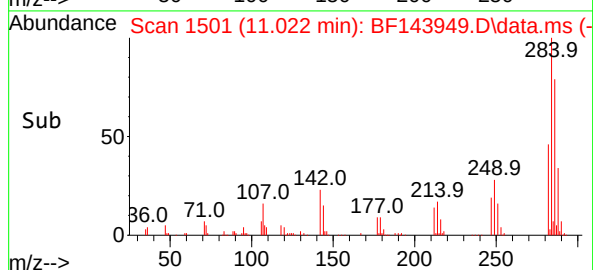
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

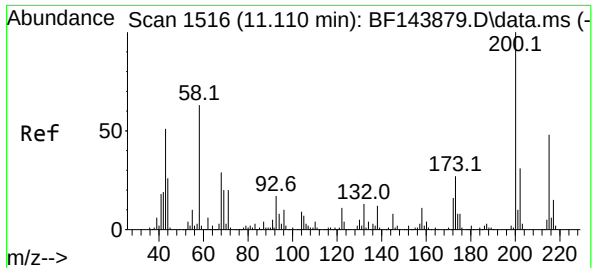


#68
Hexachlorobenzene
Concen: 43.720 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



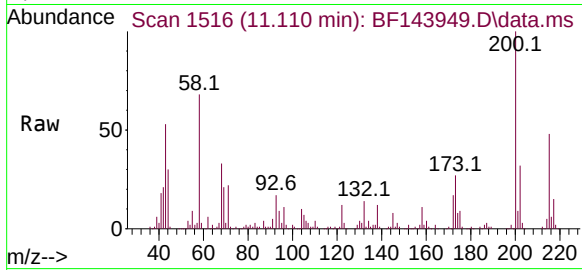
Tgt Ion:284 Resp: 242638
Ion Ratio Lower Upper
284 100
142 25.3 20.6 30.8
249 29.2 23.2 34.8





#69
Atrazine
Concen: 47.715 ng
RT: 11.110 min Scan# 1516
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

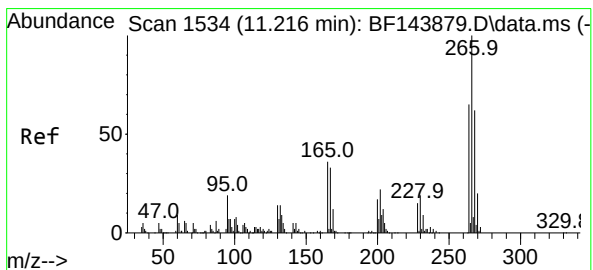
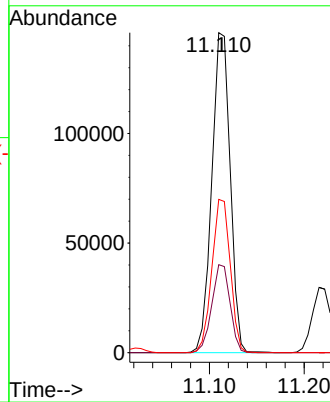
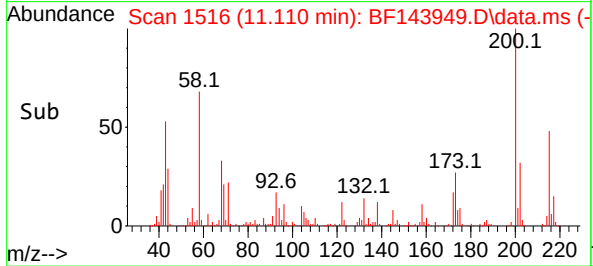
Instrument :
BNA_F
ClientSampleId :
PB170055BS



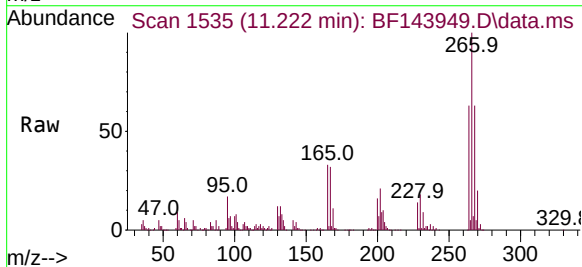
Tgt Ion:200 Resp: 196973
Ion Ratio Lower Upper
200 100
173 27.5 7.0 47.0
215 47.9 27.8 67.8

Manual Integrations
APPROVED

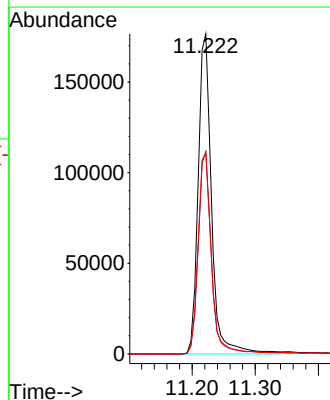
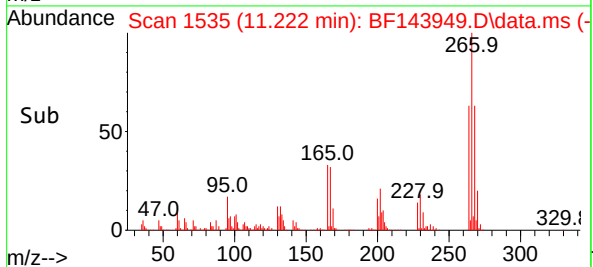
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

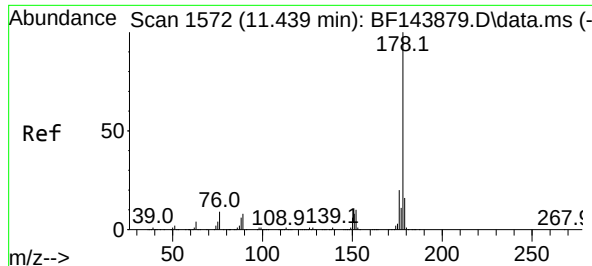


#70
Pentachlorophenol
Concen: 81.419 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



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# 1572

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:178 Resp: 917260

Ion Ratio Lower Upper

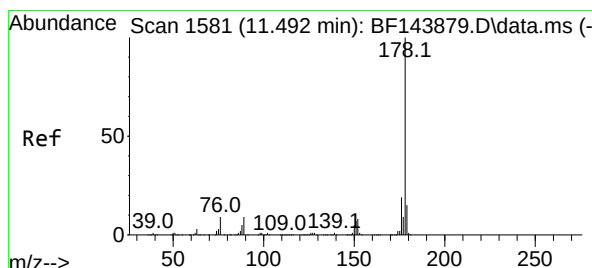
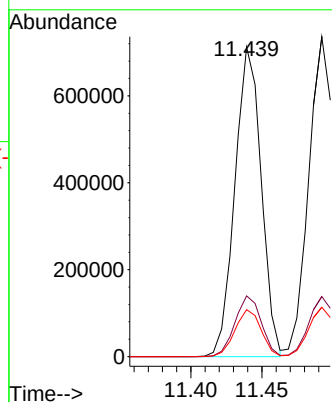
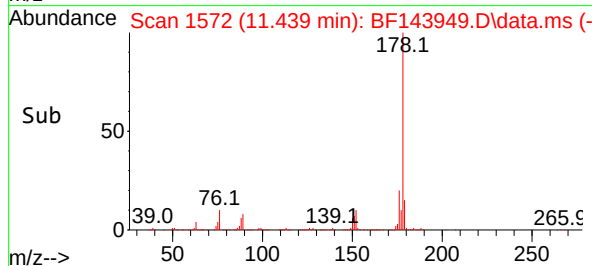
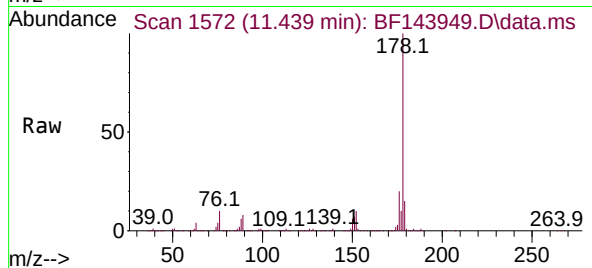
178 100

176 19.6 15.9 23.9

179 15.2 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

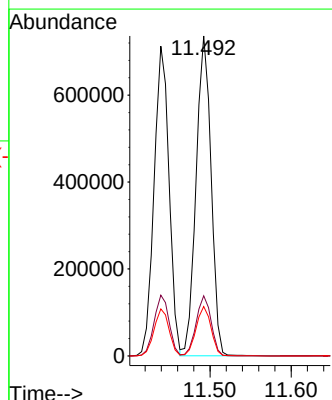
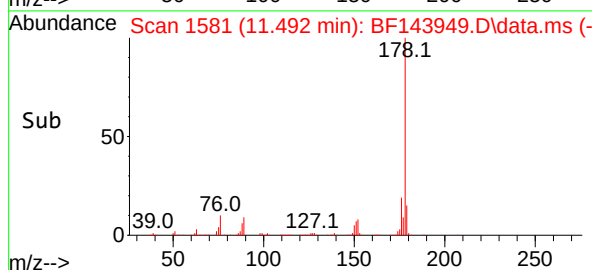
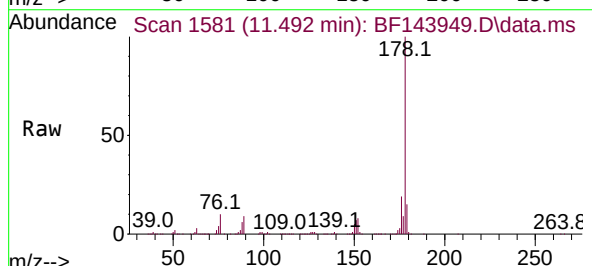
Tgt Ion:178 Resp: 941105

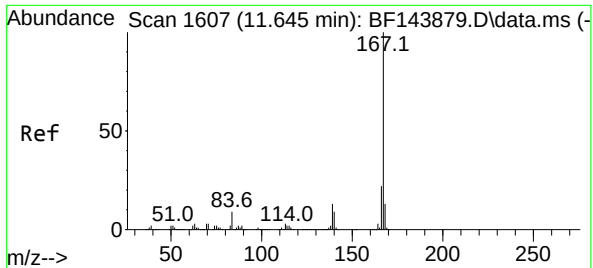
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

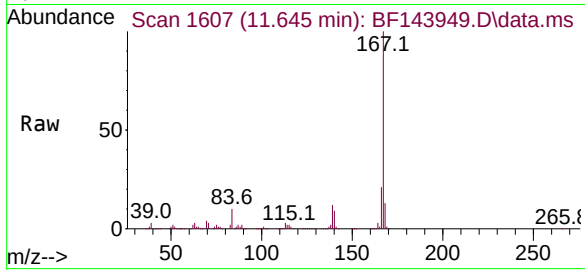
179 15.4 12.2 18.2





#73
Carbazole
Concen: 44.402 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

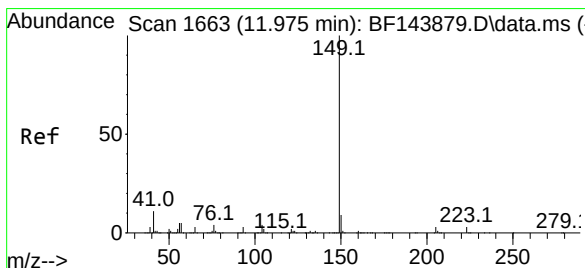
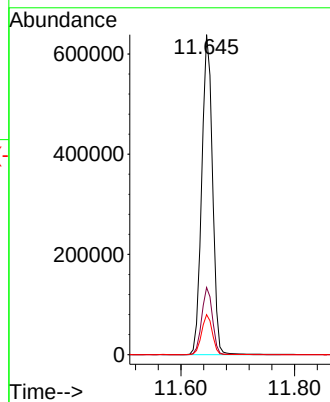
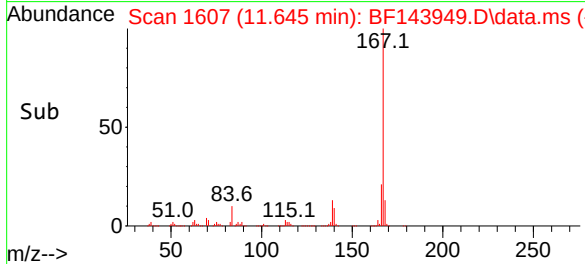
Instrument :
BNA_F
ClientSampleId :
PB170055BS



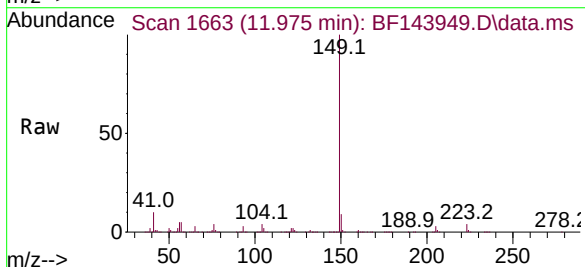
Tgt Ion:167 Resp: 835452
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 12.5 10.1 15.1

Manual Integrations
APPROVED

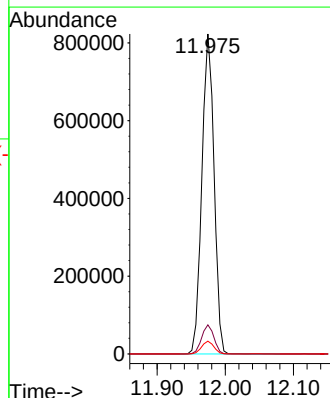
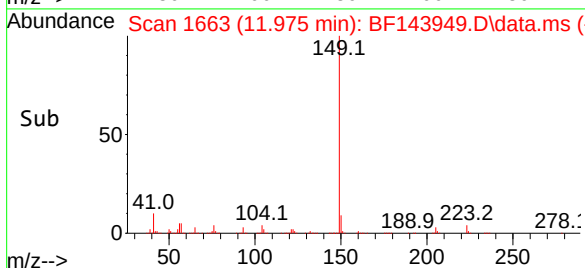
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

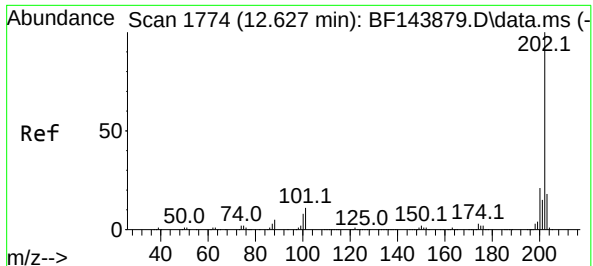


#74
Di-n-butylphthalate
Concen: 46.851 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



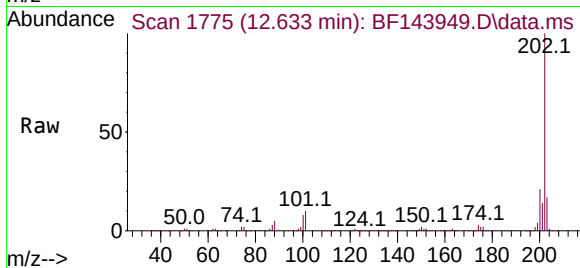
Tgt Ion:149 Resp: 1021669
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.0 3.4 5.2





#75
Fluoranthene
Concen: 44.399 ng
RT: 12.633 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

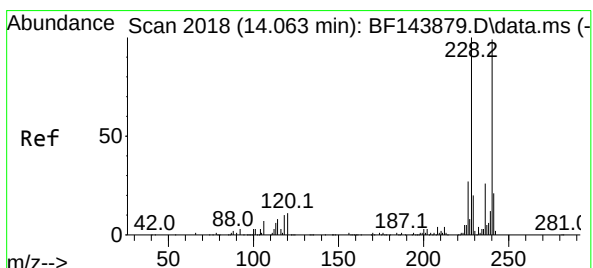
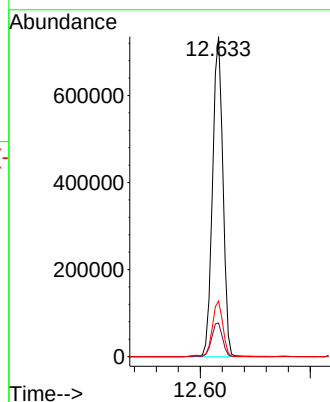
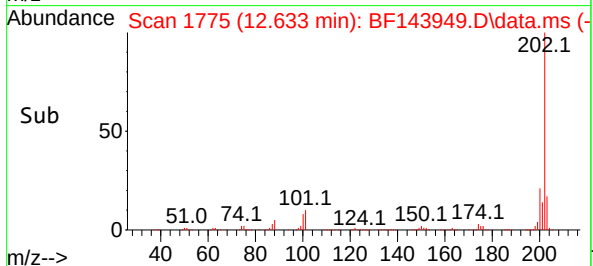
Instrument :
BNA_F
ClientSampleId :
PB170055BS



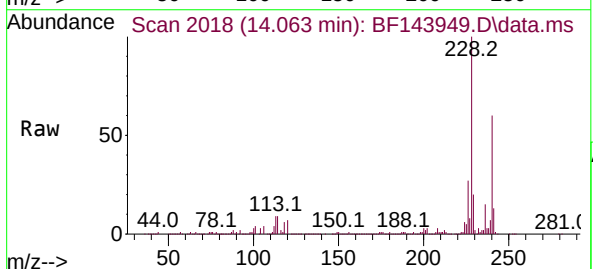
Tgt Ion:202 Resp: 964435
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
APPROVED

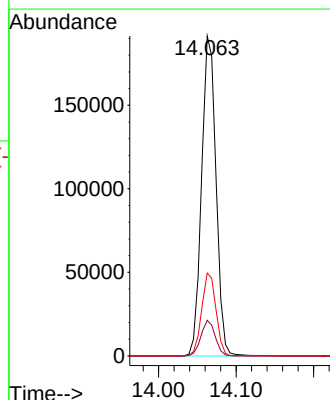
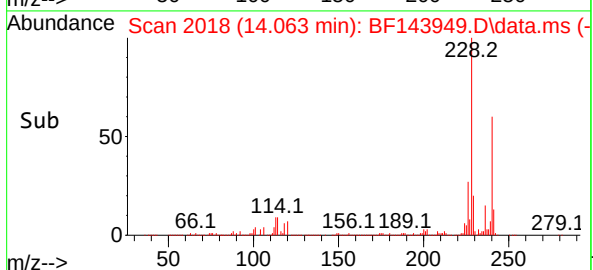
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

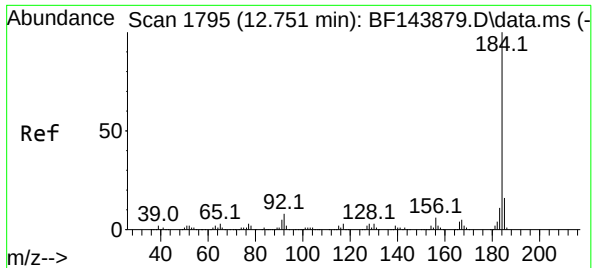


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



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# 1795

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:184 Resp: 34411

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

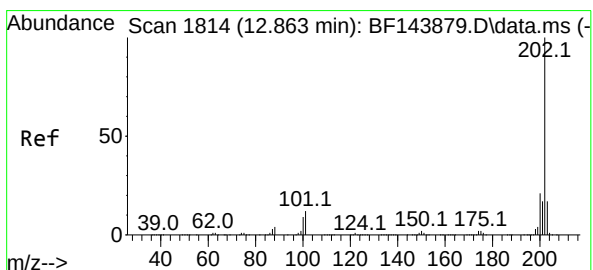
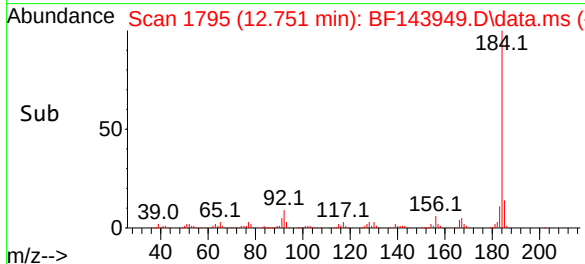
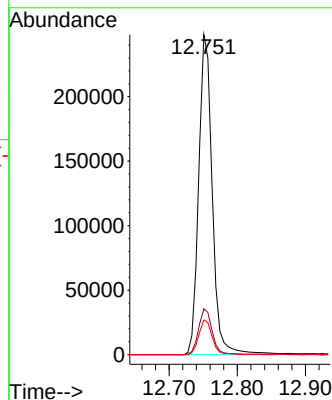
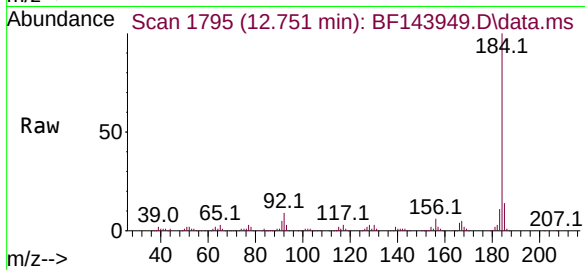
183 10.8 8.8 13.2

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

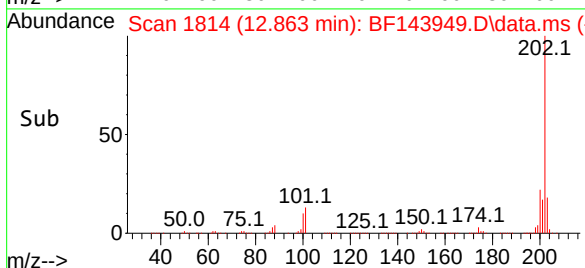
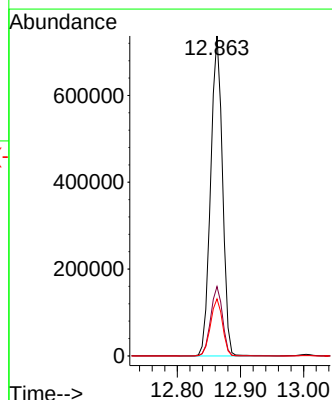
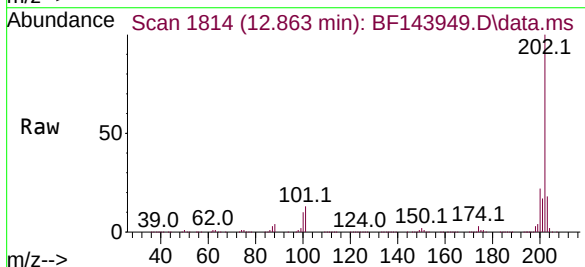
Tgt Ion:202 Resp: 957514

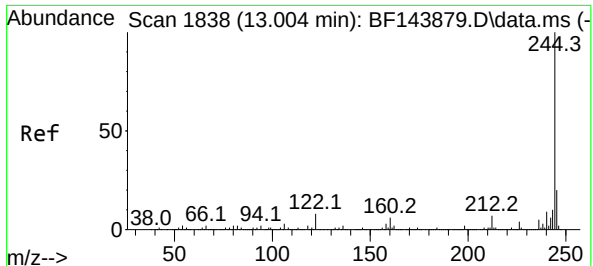
Ion Ratio Lower Upper

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# 1838

Delta R.T. -0.006 min

Lab File: BF143949.D

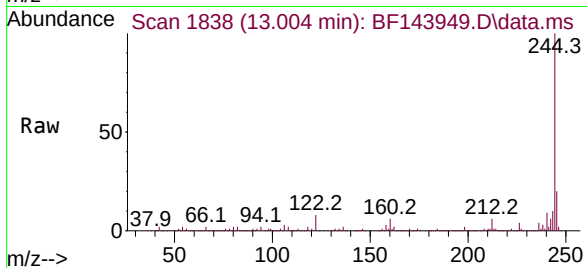
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS



Tgt Ion:244 Resp: 135190

Ion Ratio Lower Upper

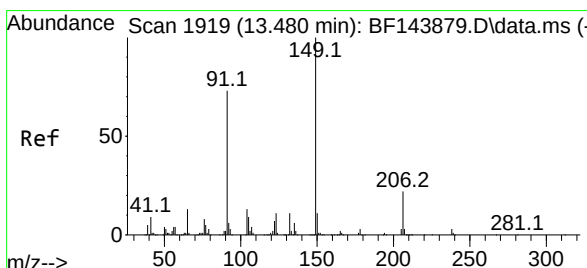
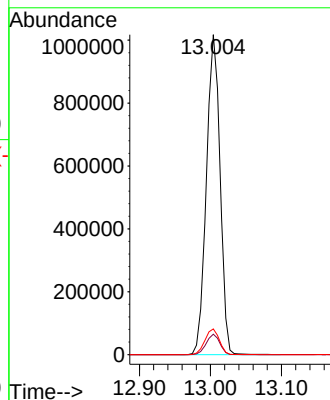
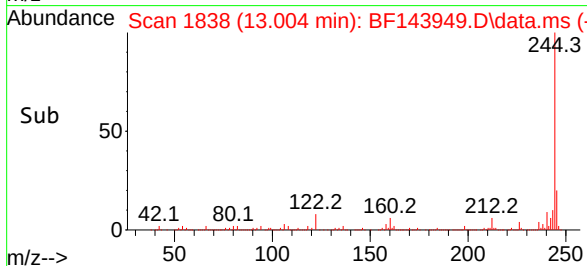
244 100

212 6.4 5.4 8.0

122 8.0 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#80

Butylbenzylphthalate

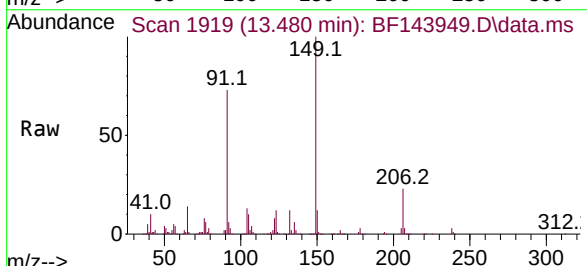
Concen: 52.386 ng

RT: 13.480 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13



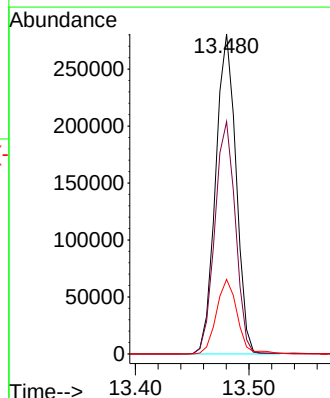
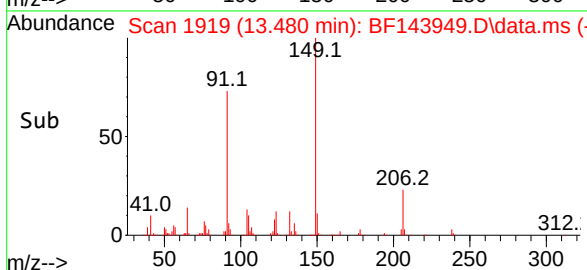
Tgt Ion:149 Resp: 350848

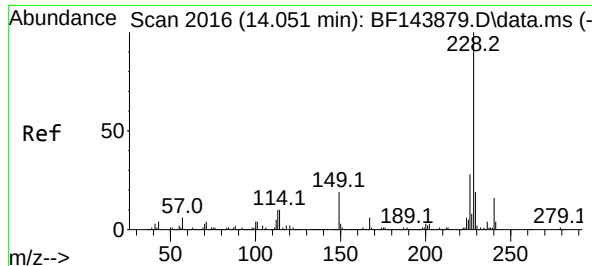
Ion Ratio Lower Upper

149 100

91 72.6 58.2 87.2

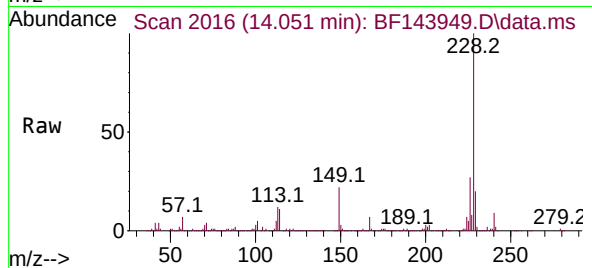
206 23.3 17.9 26.9





#81
Benzo(a)anthracene
Concen: 46.200 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

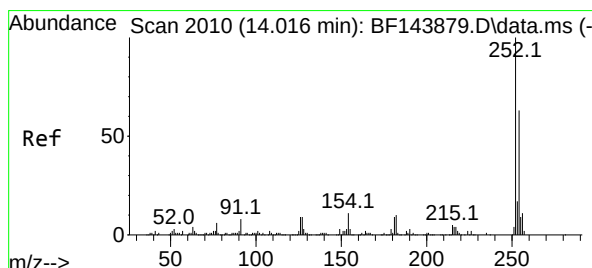
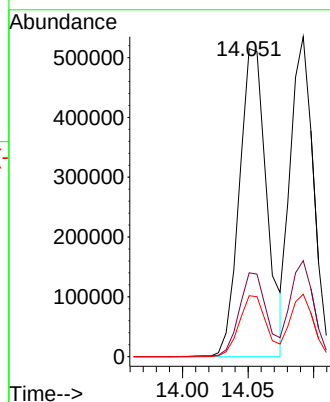
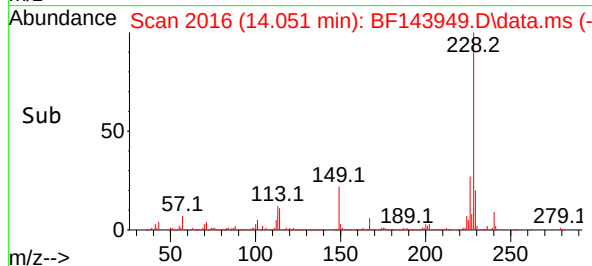
Instrument :
BNA_F
ClientSampleId :
PB170055BS



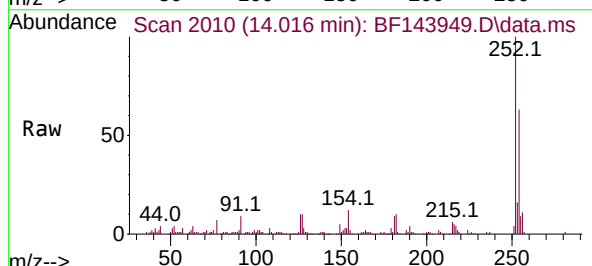
Tgt Ion:228 Resp: 747862
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.2
229 19.8 15.6 23.4

Manual Integrations
APPROVED

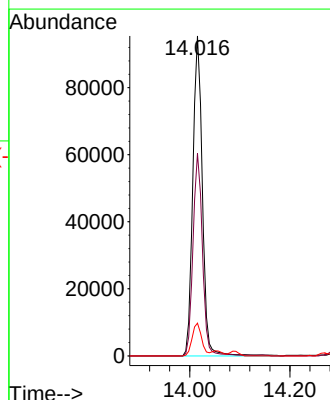
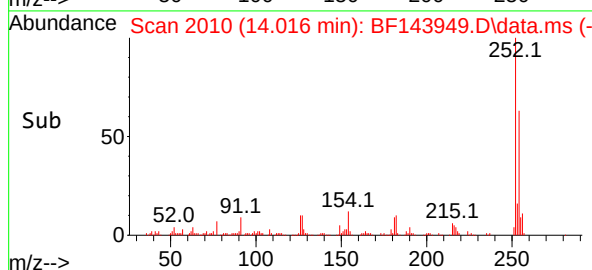
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

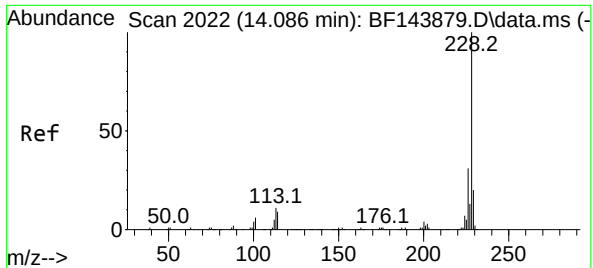


#82
3,3'-Dichlorobenzidine
Concen: 25.558 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



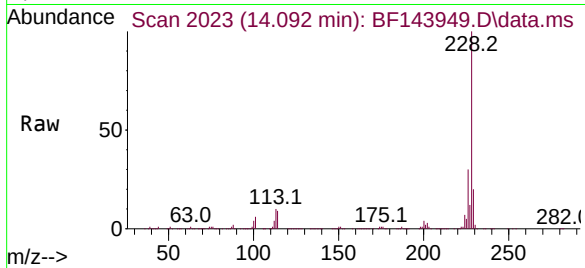
Tgt Ion:252 Resp: 126081
Ion Ratio Lower Upper
252 100
254 63.3 50.6 76.0
126 10.2 7.0 10.6





#83
Chrysene
Concen: 43.417 ng
RT: 14.092 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

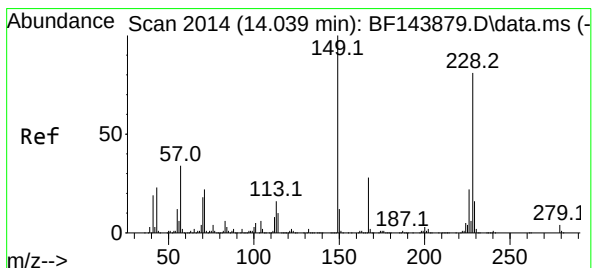
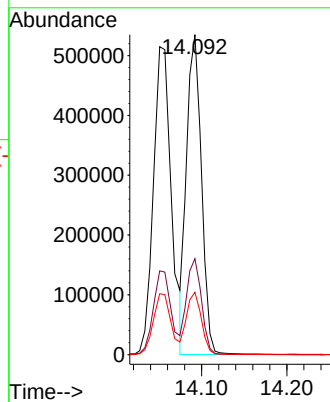
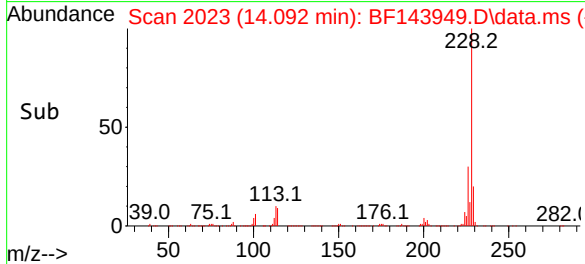
Instrument :
BNA_F
ClientSampleId :
PB170055BS



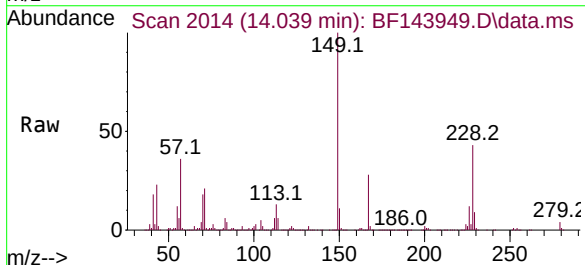
Tgt Ion:228 Resp: 650468
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 19.5 15.9 23.9

Manual Integrations
APPROVED

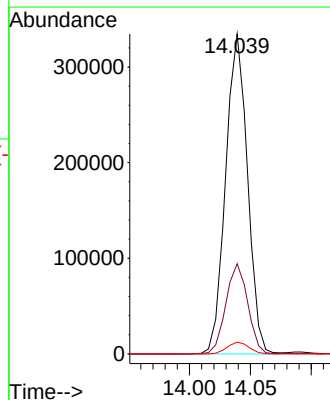
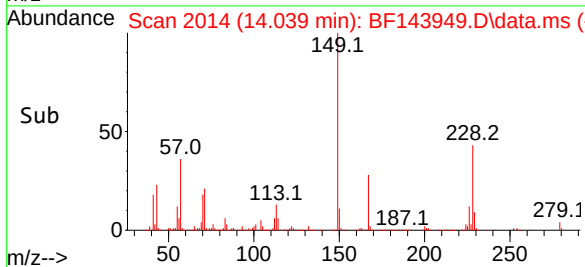
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

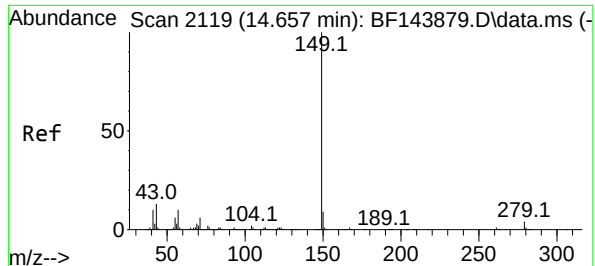


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.764 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



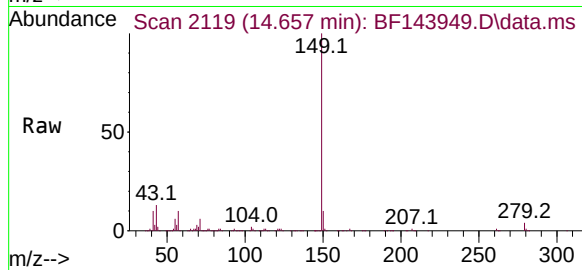
Tgt Ion:149 Resp: 417913
Ion Ratio Lower Upper
149 100
167 28.2 22.2 33.4
279 3.7 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 46.343 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

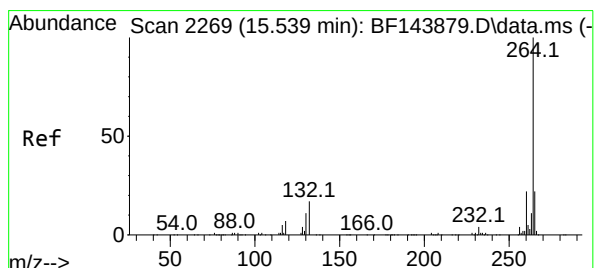
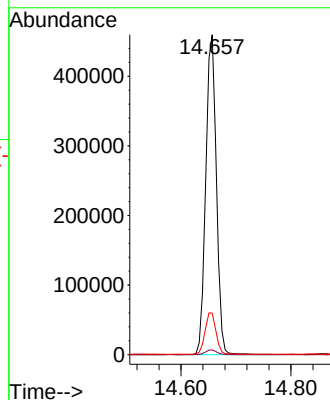
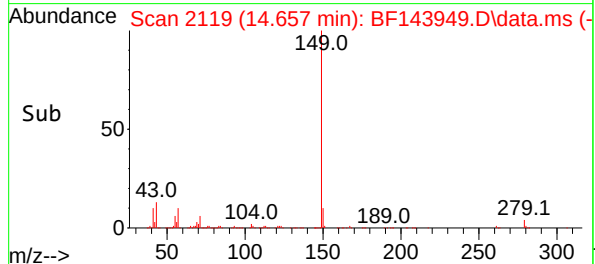
Instrument :
BNA_F
ClientSampleId :
PB170055BS



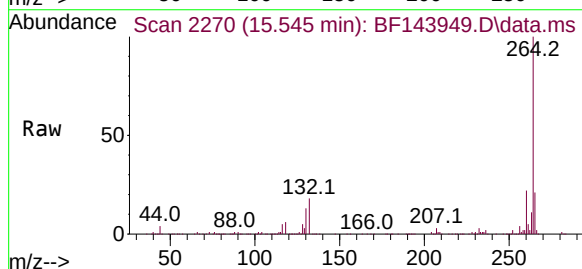
Tgt Ion:149 Resp: 614508
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 13.3 11.0 16.4

Manual Integrations
APPROVED

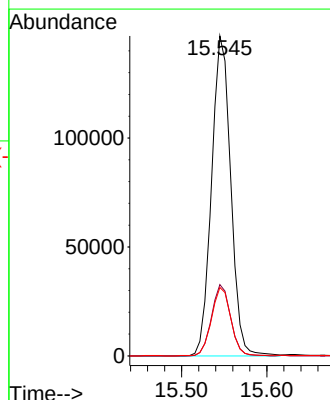
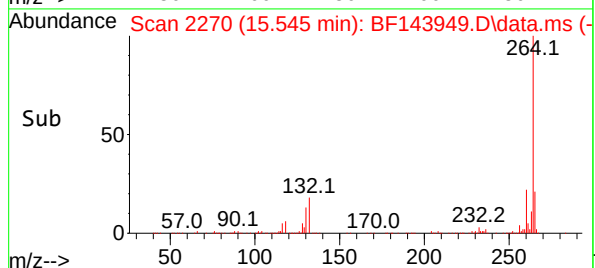
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

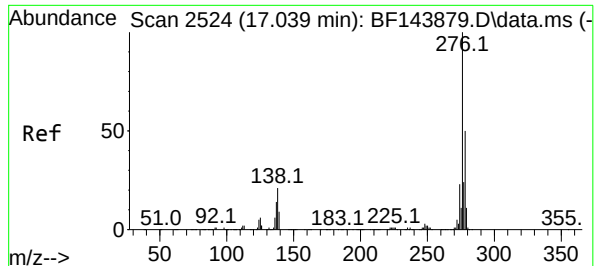


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



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# 2196

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:276 Resp: 714723

Ion Ratio Lower Upper

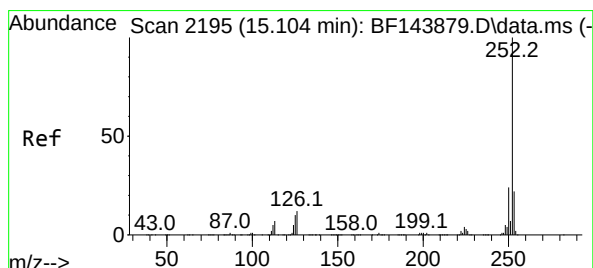
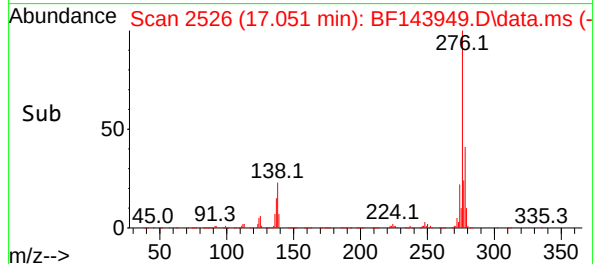
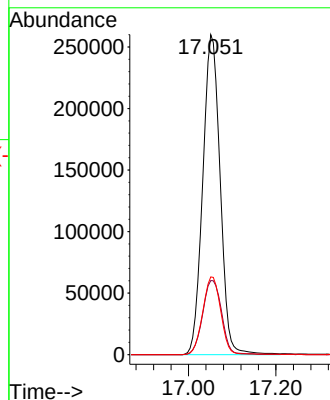
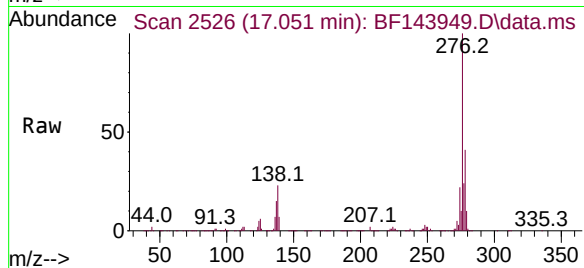
276 100

138 25.2 18.2 27.2

277 25.1 19.8 29.6

Manual Integrations

APPROVED

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

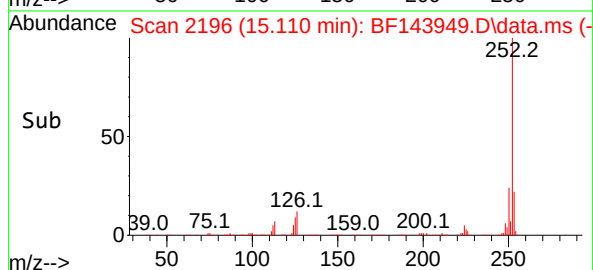
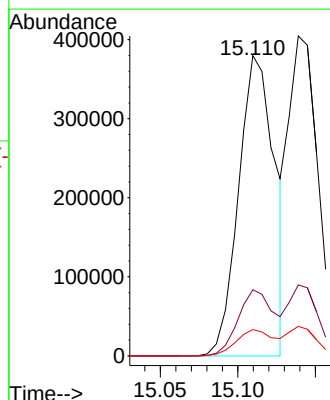
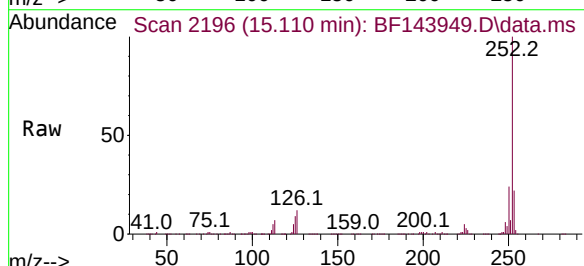
Tgt Ion:252 Resp: 614839

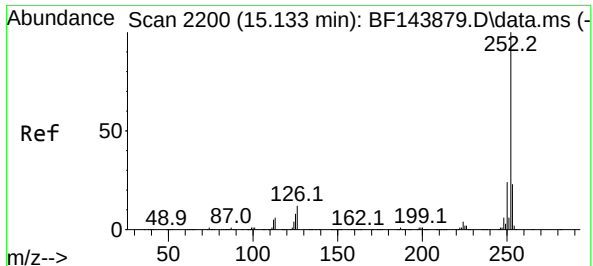
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:252 Resp: 536880

Ion Ratio Lower Upper

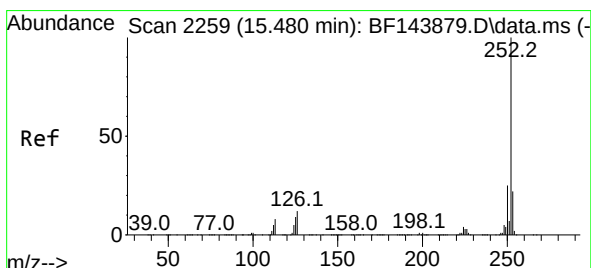
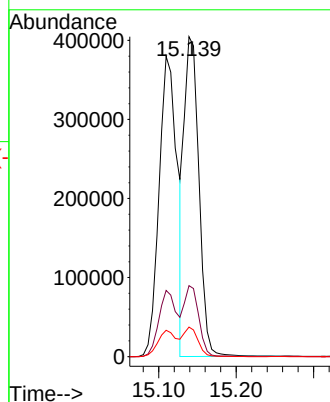
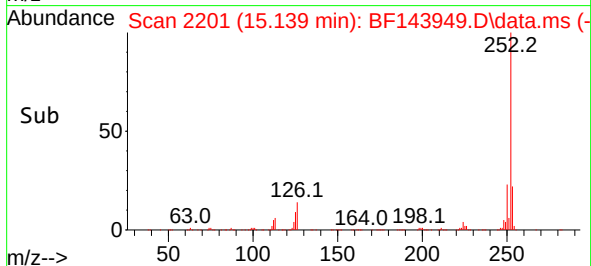
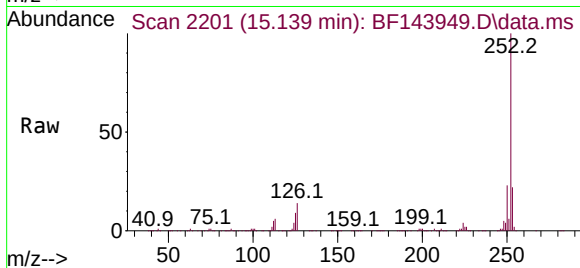
252 100

253 22.2 17.8 26.8

125 9.2 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

#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

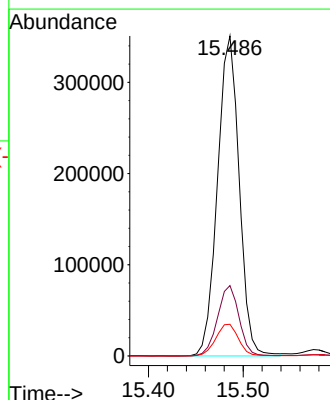
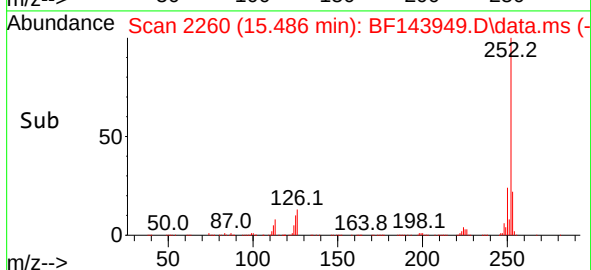
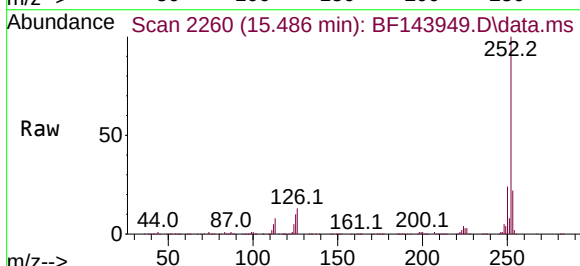
Tgt Ion:252 Resp: 557596

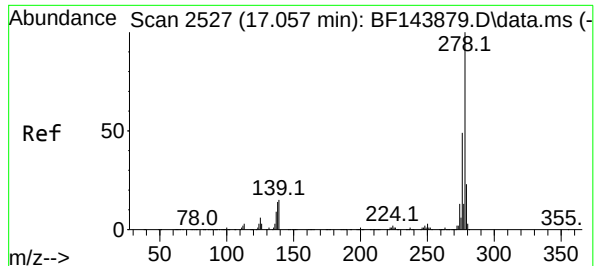
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

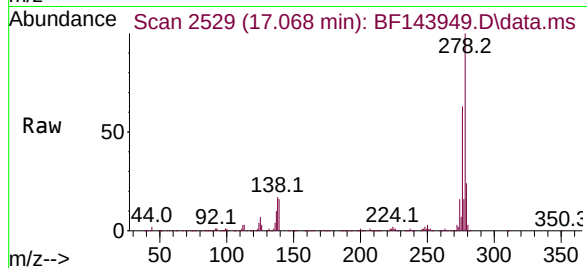
125 9.9 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 51.086 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

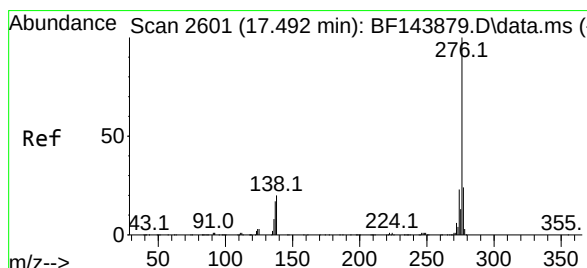
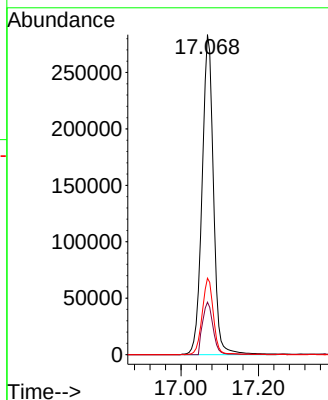
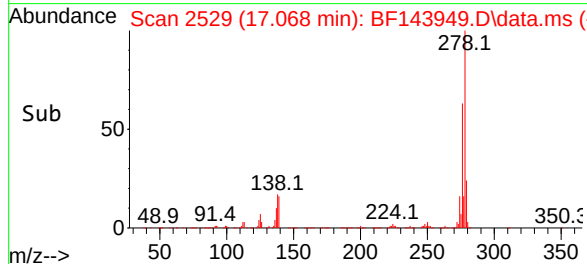
Instrument :
BNA_F
ClientSampleId :
PB170055BS



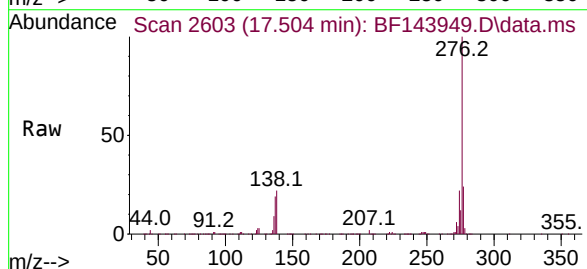
Tgt Ion:278 Resp: 578363
Ion Ratio Lower Upper
278 100
139 16.4 11.7 17.5
279 23.9 18.4 27.6

Manual Integrations
APPROVED

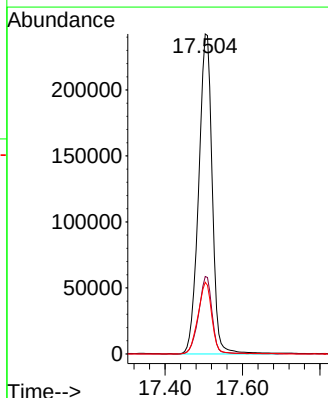
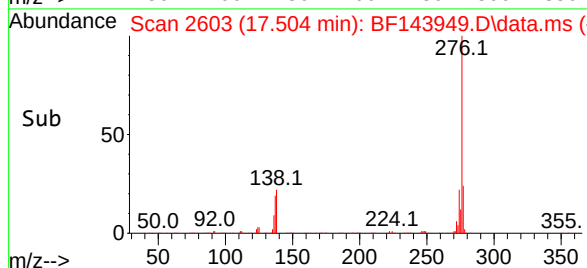
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#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



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

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

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

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	% Solid:	65.3
	Level : LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.06 g		
	Final Vol: 1000 uL		
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 : BF143928.D
 Acq On : 10 Oct 2025 16:49
 Operator : RC/JU
 Sample : Q3310-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS

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

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

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

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS

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

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

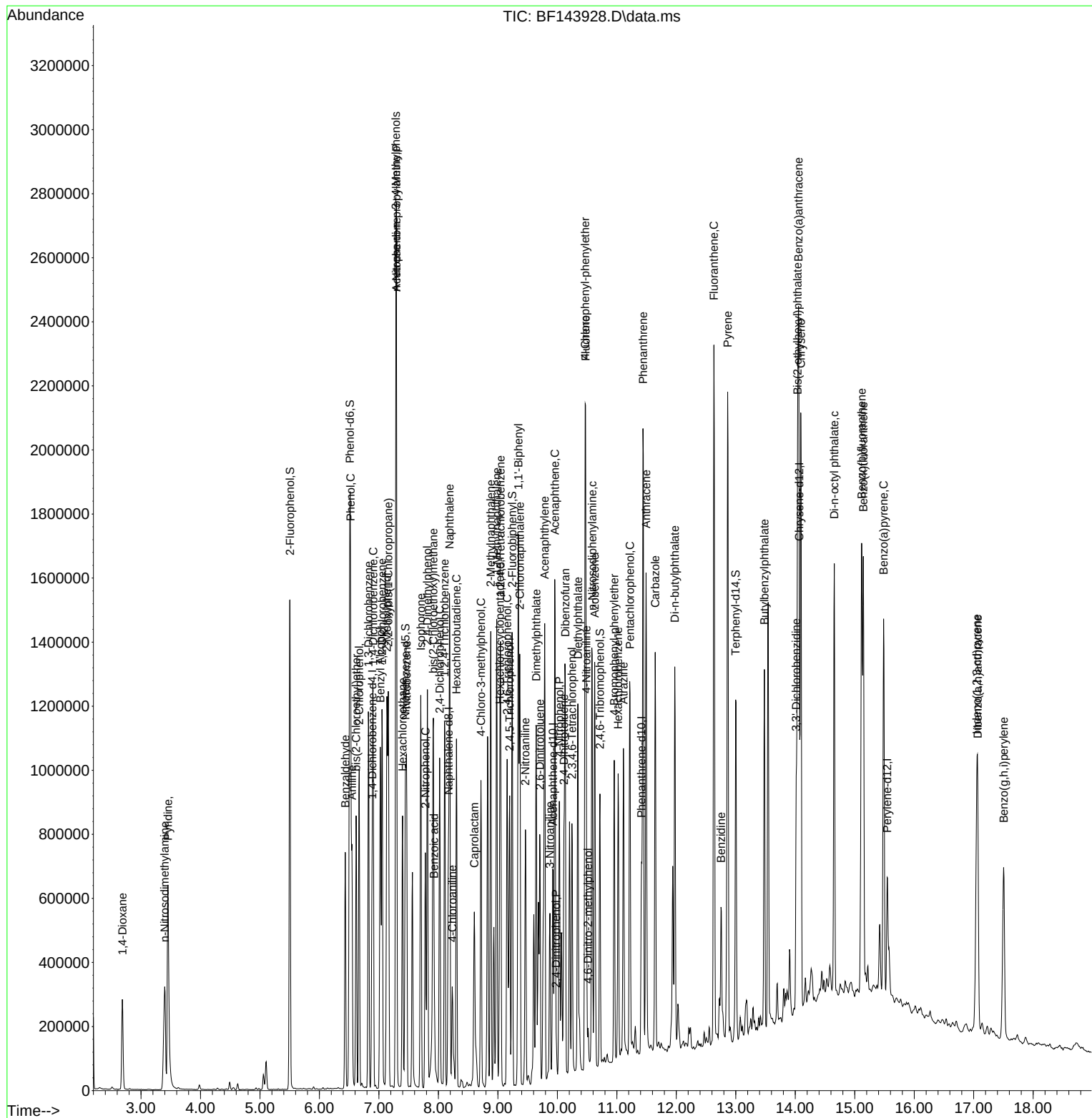
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Data File : BF143928.D
Acq On : 10 Oct 2025 16:49
Operator : RC/JU
Sample : Q3310-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

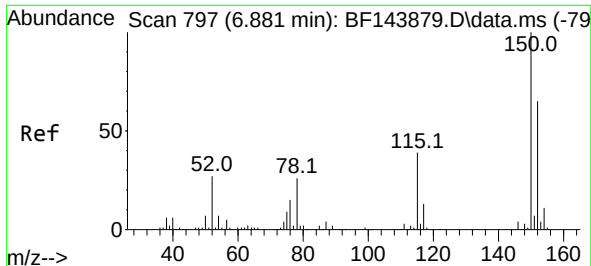
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

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

Manual Integrations
APPROVED

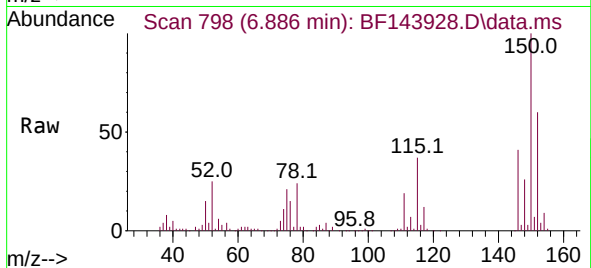
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025





#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

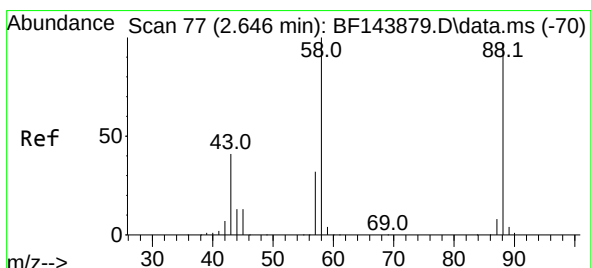
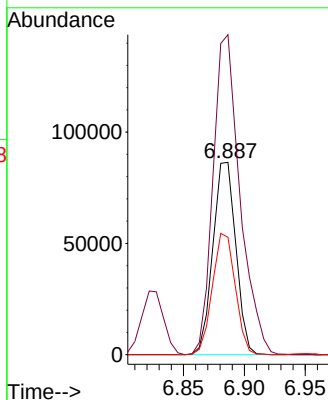
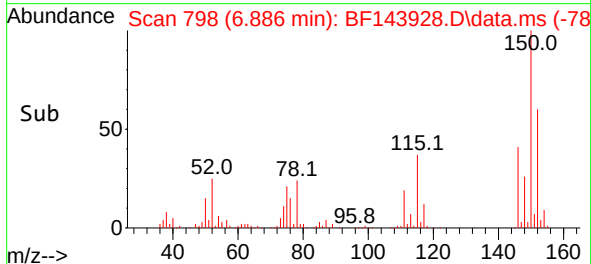
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



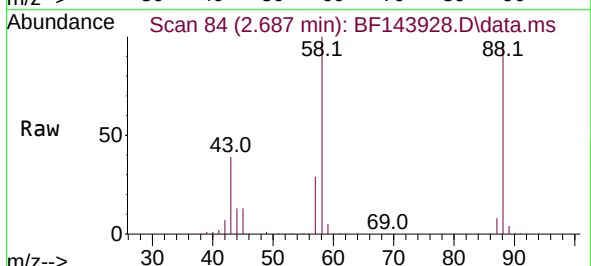
Tgt Ion:152 Resp: 113164
Ion Ratio Lower Upper
152 100
150 166.5 124.4 186.6
115 61.0 48.1 72.1

Manual Integrations
APPROVED

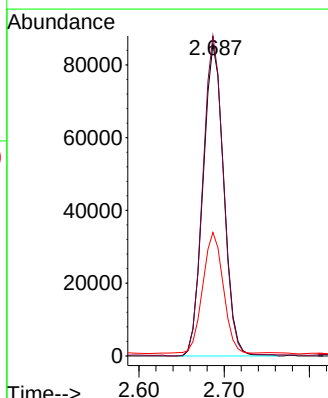
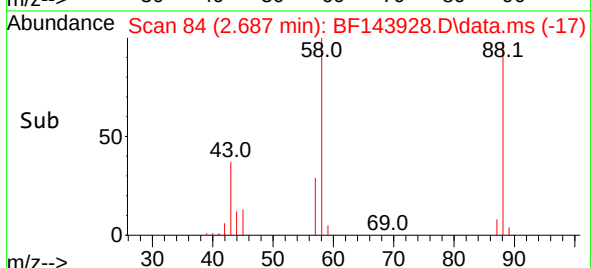
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

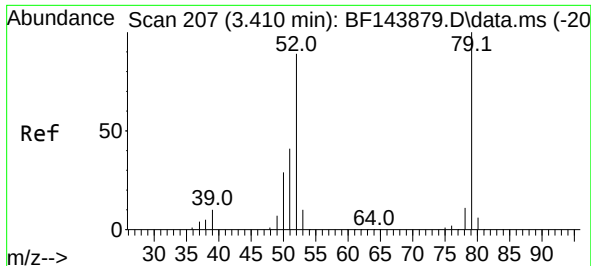


#2
1,4-Dioxane
Concen: 43.962 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.041 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



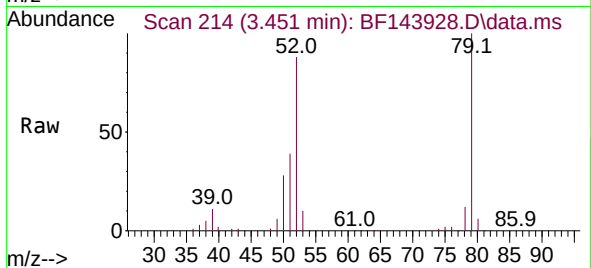
Tgt Ion: 88 Resp: 144972
Ion Ratio Lower Upper
88 100
58 101.9 83.0 124.6
43 38.7 33.9 50.9





#3
Pyridine
Concen: 43.553 ng
RT: 3.451 min Scan# 210
Delta R.T. 0.035 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

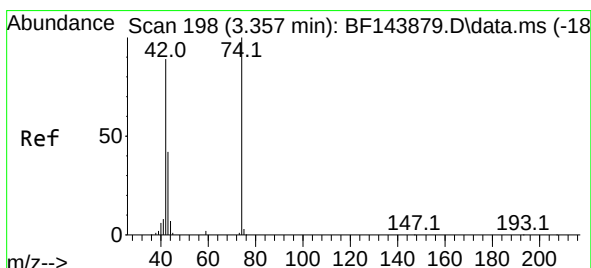
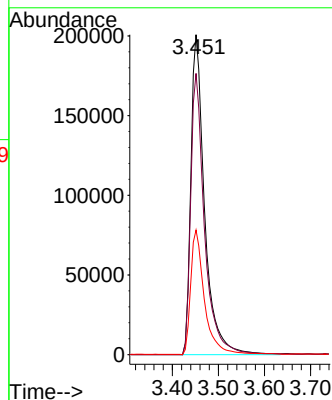
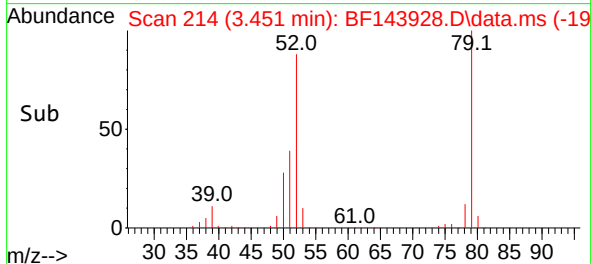
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



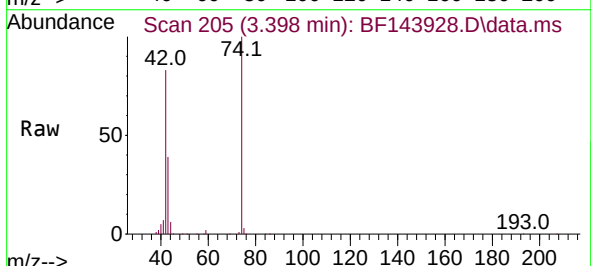
Tgt Ion: 79 Resp: 418110
Ion Ratio Lower Upper
79 100
52 87.9 71.5 107.3
51 38.9 32.9 49.3

Manual Integrations
APPROVED

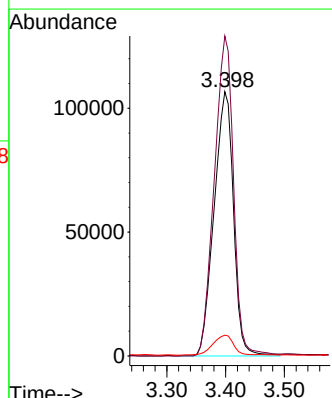
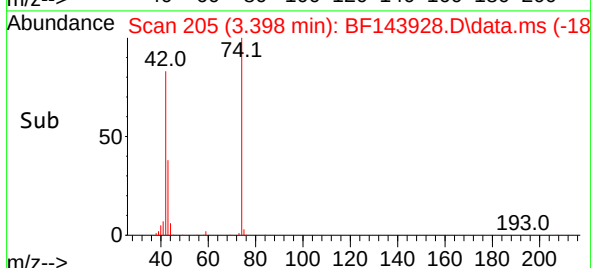
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

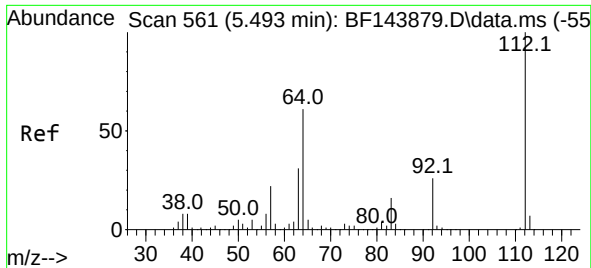


#4
n-Nitrosodimethylamine
Concen: 48.589 ng
RT: 3.398 min Scan# 205
Delta R.T. 0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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





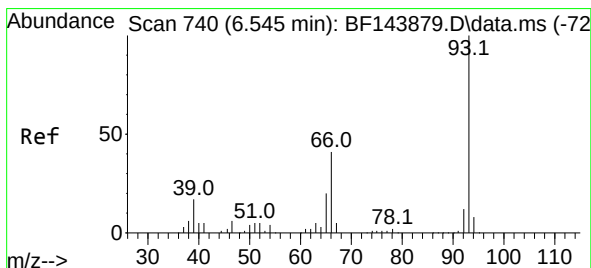
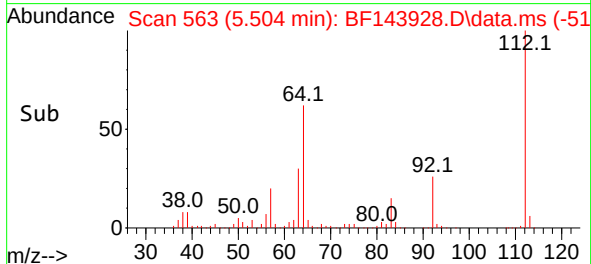
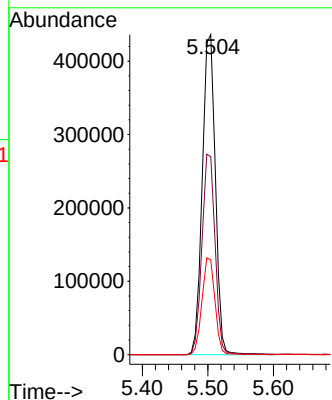
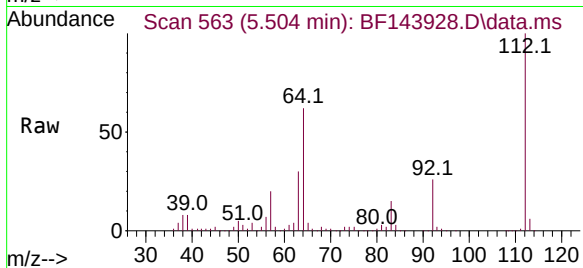
#5
2-Fluorophenol
Concen: 84.530 ng
RT: 5.504 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Tgt Ion:112 Resp: 602384
Ion Ratio Lower Upper
112 100
64 61.9 49.1 73.7
63 29.6 24.5 36.7

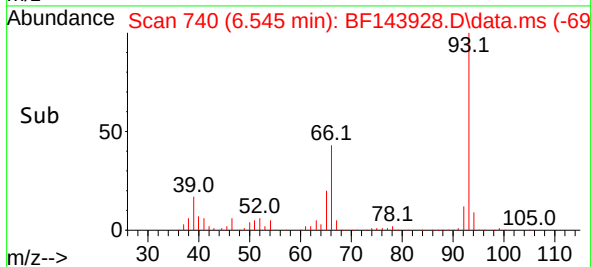
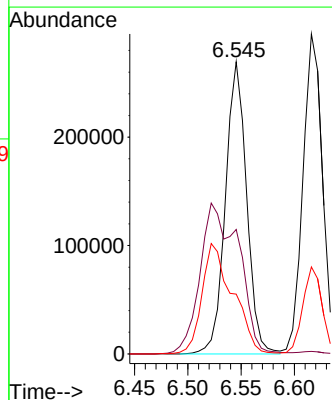
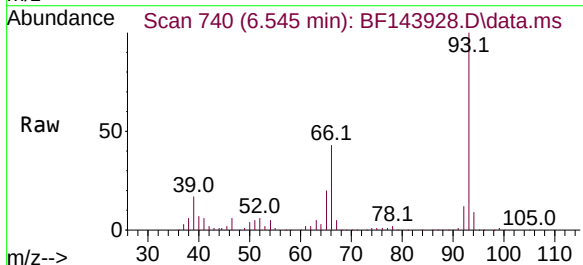
Manual Integrations
APPROVED

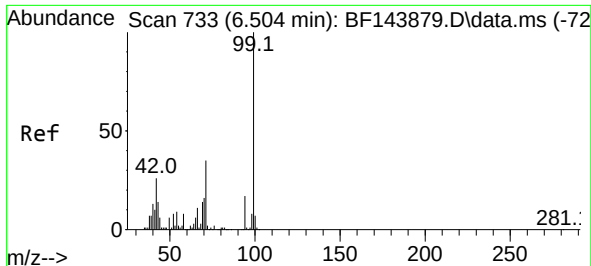
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

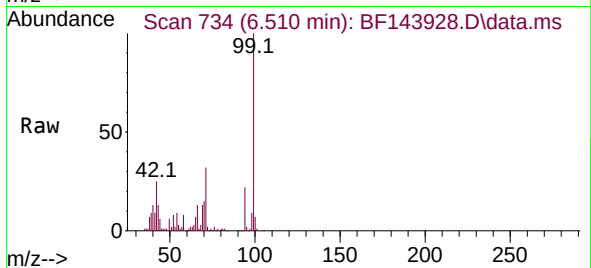
Tgt Ion: 93 Resp: 373392
Ion Ratio Lower Upper
93 100
66 42.6 33.0 49.6
65 20.5 15.8 23.8





#7
Phenol-d6
Concen: 84.178 ng
RT: 6.510 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

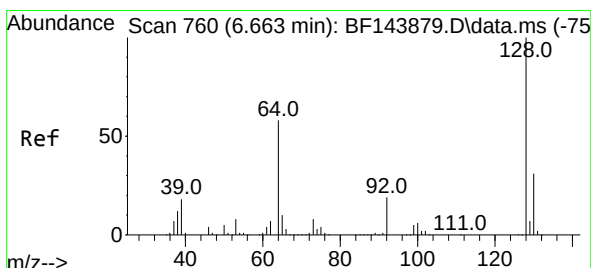
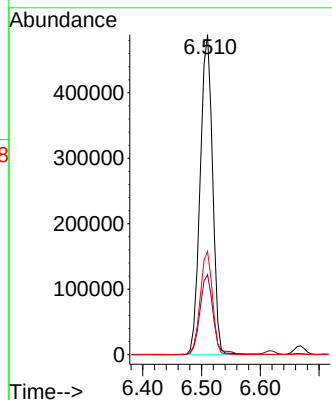
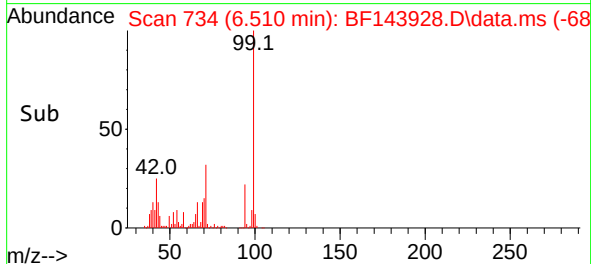
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



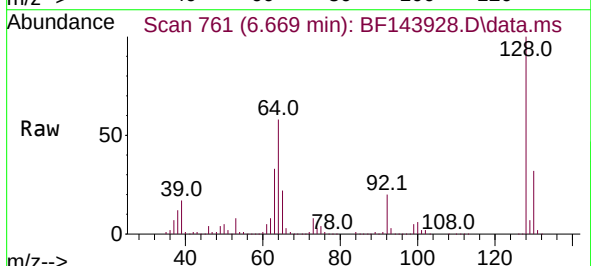
Tgt Ion: 99 Resp: 715021
Ion Ratio Lower Upper
99 100
42 25.0 21.0 31.4
71 32.3 27.8 41.8

Manual Integrations
APPROVED

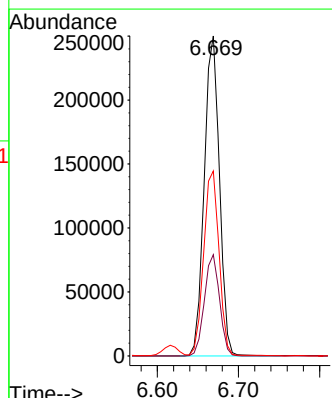
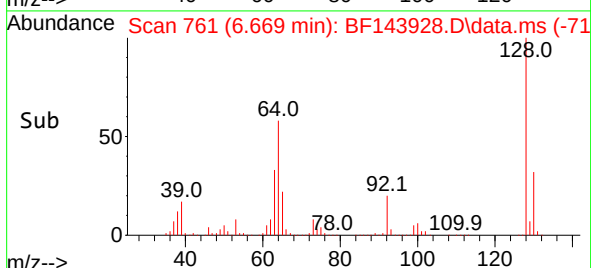
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

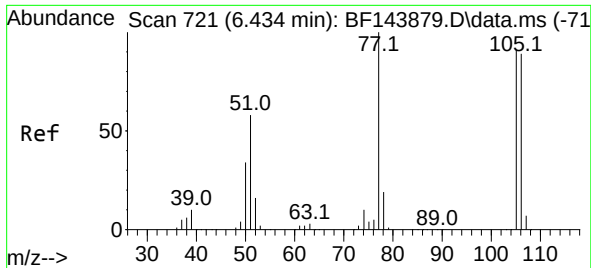


#8
2-Chlorophenol
Concen: 46.743 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



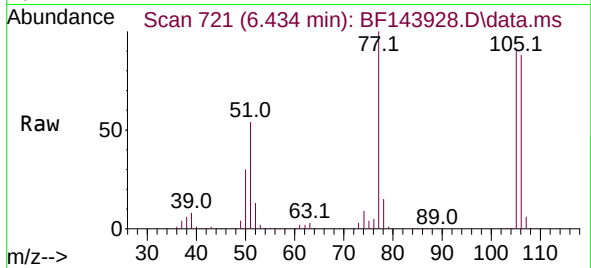
Tgt Ion:128 Resp: 325604
Ion Ratio Lower Upper
128 100
130 31.6 10.7 50.7
64 57.8 39.0 79.0





#9
Benzaldehyde
Concen: 30.723 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

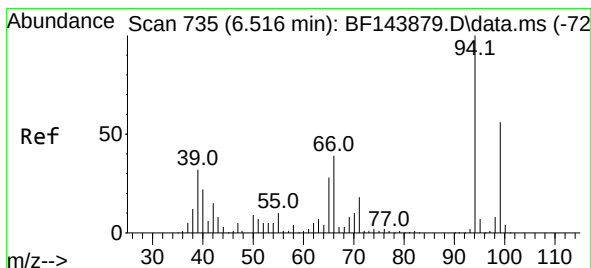
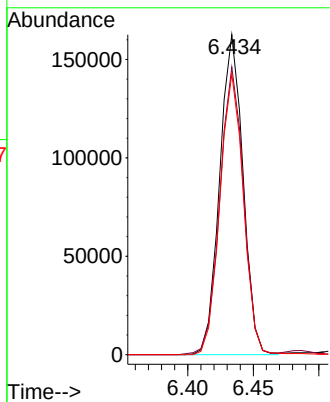
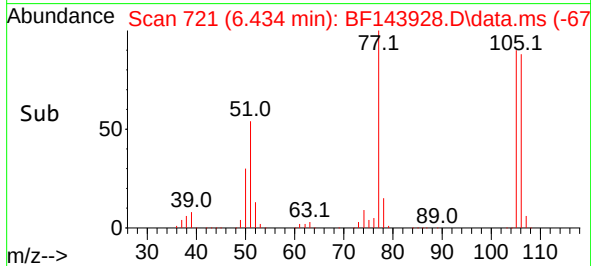
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



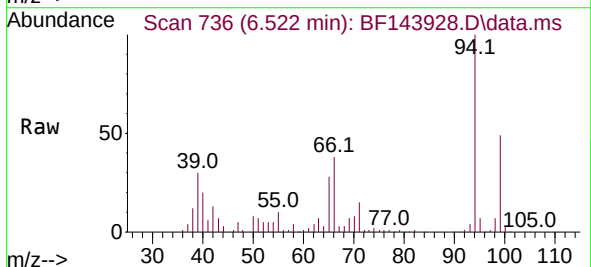
Tgt Ion: 77 Resp: 201314
Ion Ratio Lower Upper
77 100
105 89.8 70.9 110.9
106 87.7 68.9 108.9

Manual Integrations
APPROVED

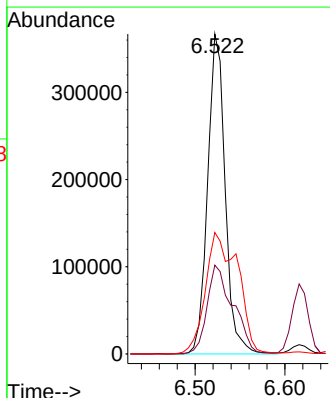
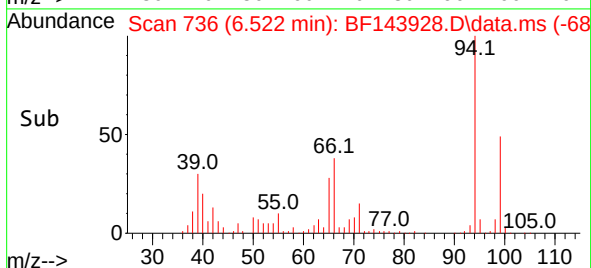
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

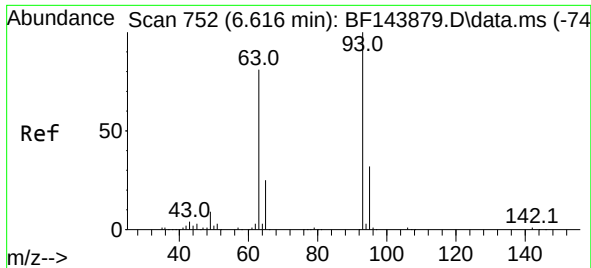


#10
Phenol
Concen: 49.090 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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





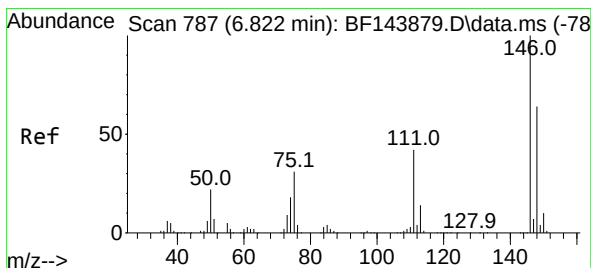
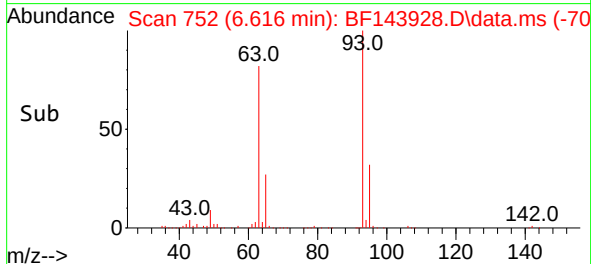
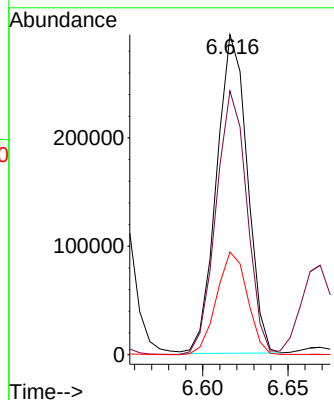
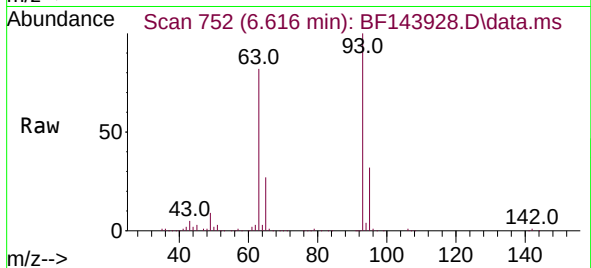
#11
bis(2-Chloroethyl)ether
Concen: 47.068 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Tgt Ion: 93 Resp: 369226
Ion Ratio Lower Upper
93 100
63 82.4 60.9 100.9
95 32.1 11.5 51.5

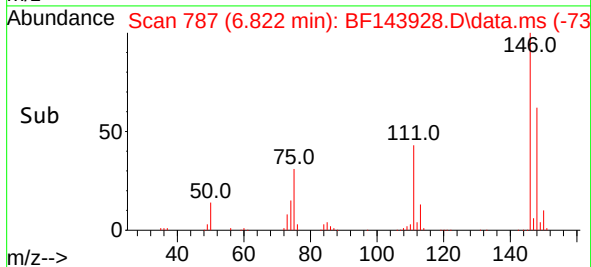
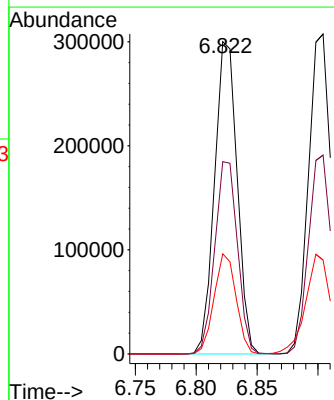
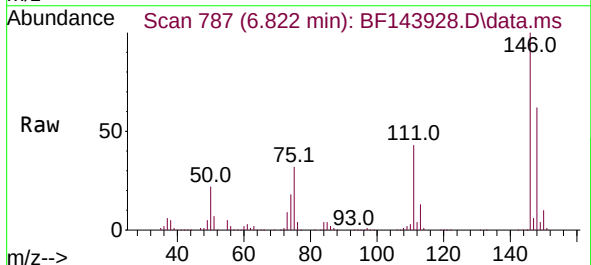
Manual Integrations
APPROVED

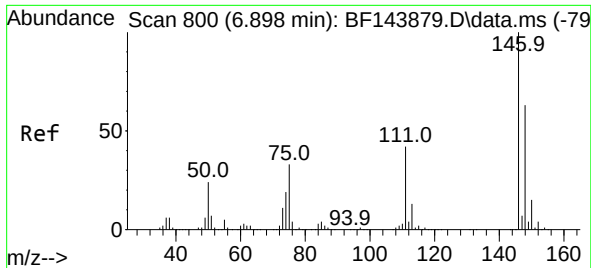
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

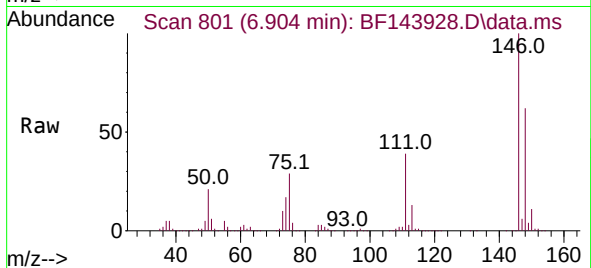
Tgt Ion:146 Resp: 388197
Ion Ratio Lower Upper
146 100
148 61.6 51.0 76.4
75 32.0 24.9 37.3





#13
1,4-Dichlorobenzene
Concen: 47.924 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

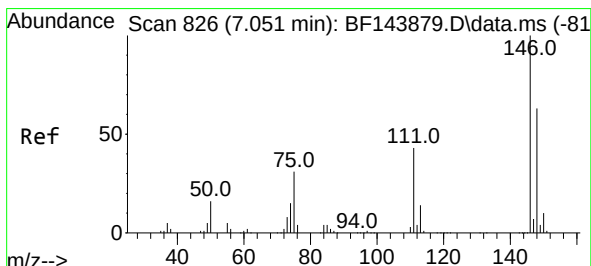
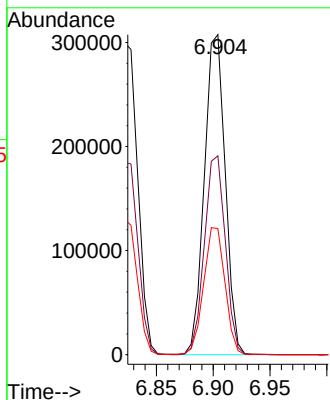
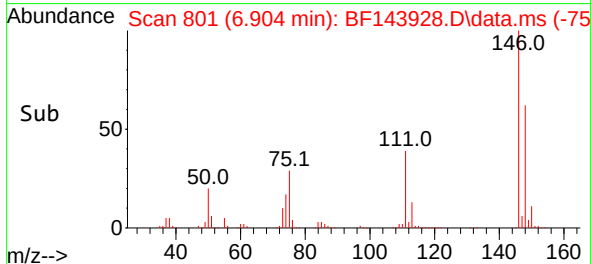
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



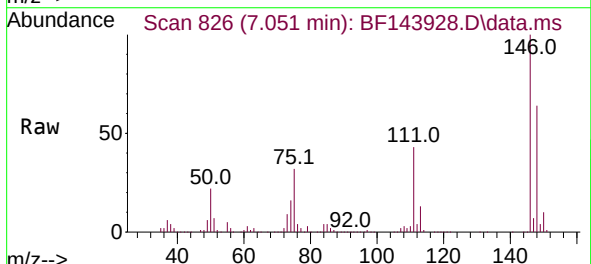
Tgt Ion:146 Resp: 394175
Ion Ratio Lower Upper
146 100
148 62.1 50.5 75.7
111 39.4 33.4 50.0

Manual Integrations
APPROVED

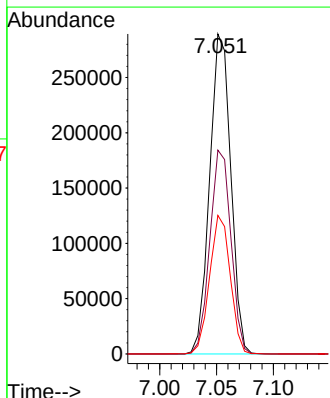
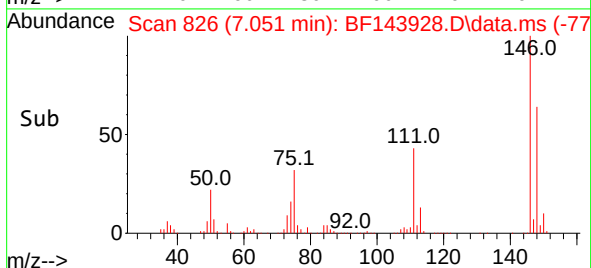
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

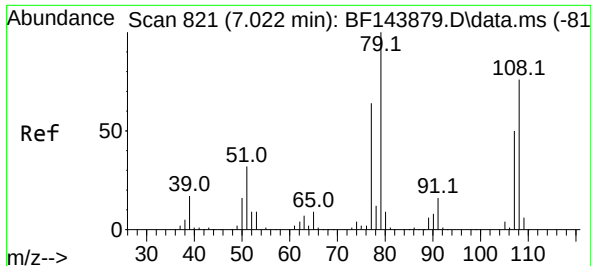


#14
1,2-Dichlorobenzene
Concen: 47.483 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



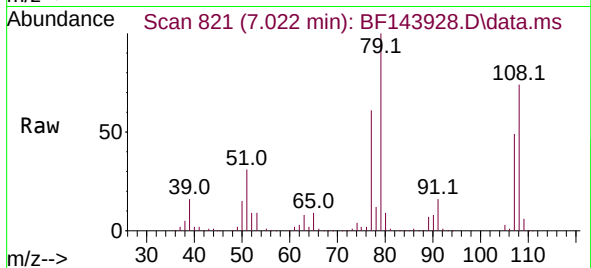
Tgt Ion:146 Resp: 374087
Ion Ratio Lower Upper
146 100
148 63.7 50.6 75.8
111 43.3 34.6 51.8





#15
Benzyl Alcohol
Concen: 50.359 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

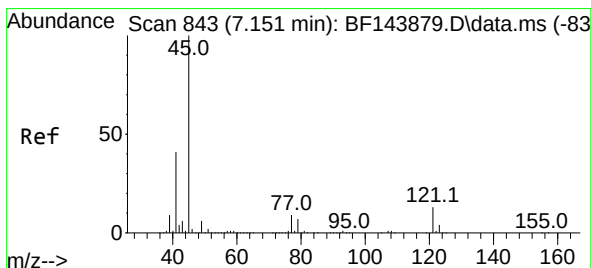
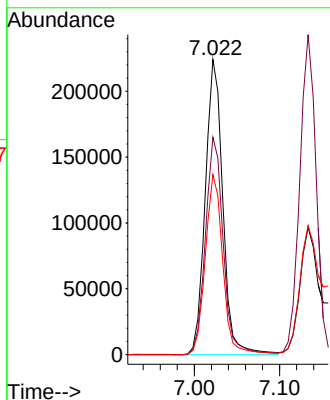
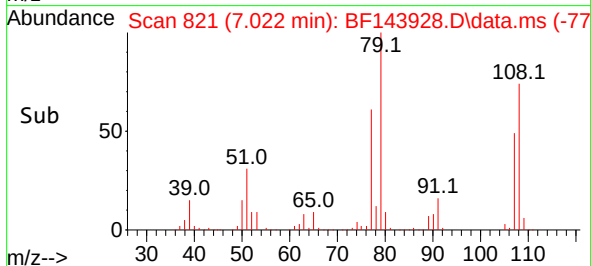
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



Tgt Ion: 79 Resp: 320503
Ion Ratio Lower Upper
79 100
108 73.7 60.8 91.2
77 61.0 51.0 76.6

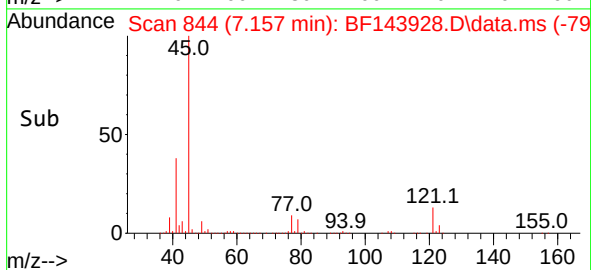
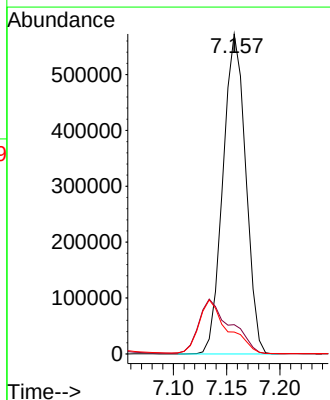
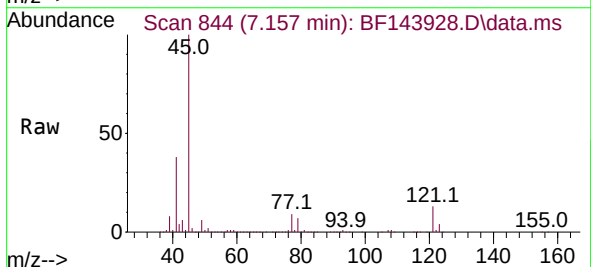
Manual Integrations
APPROVED

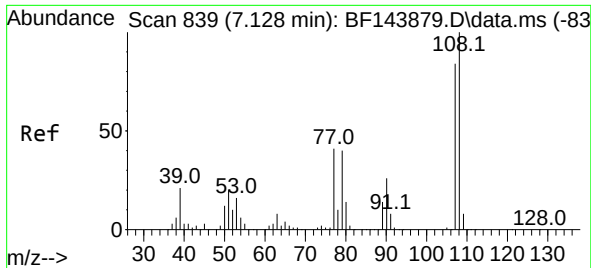
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

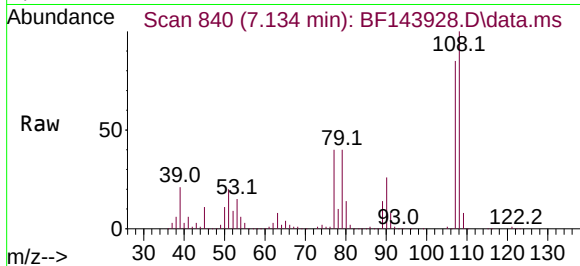
Tgt Ion: 45 Resp: 852689
Ion Ratio Lower Upper
45 100
77 9.1 0.0 29.0
79 6.8 0.0 26.8





#17
2-Methylphenol
Concen: 47.816 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

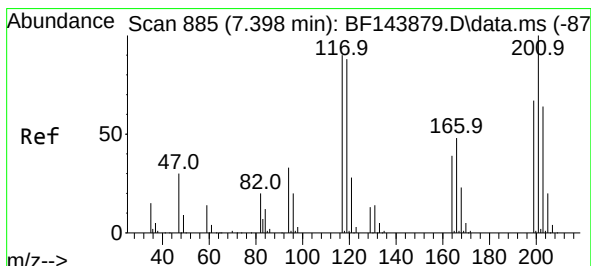
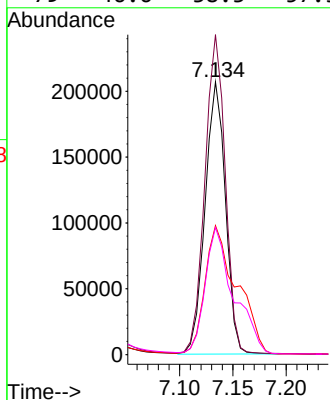
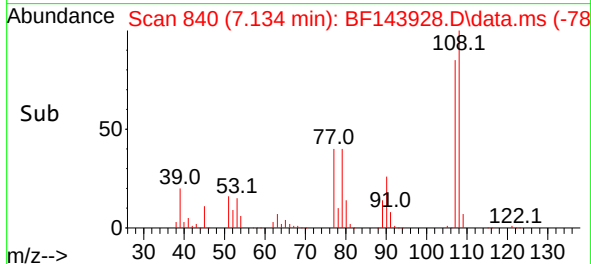
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



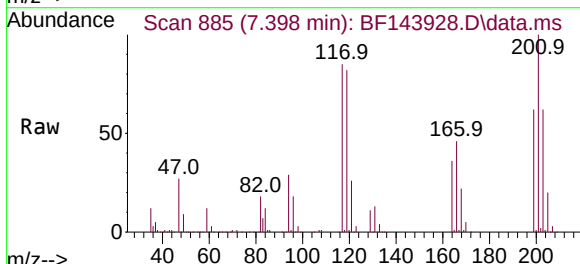
Tgt Ion	Ratio	Lower	Upper
107	100		
108	117.3	94.7	142.1
77	47.3	38.8	58.2
79	46.6	38.3	57.5

Manual Integrations
APPROVED

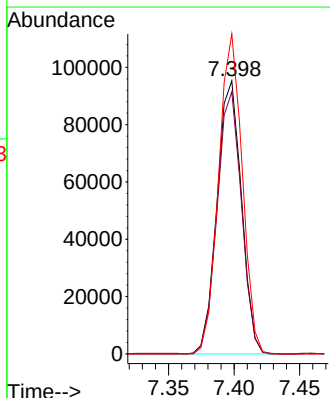
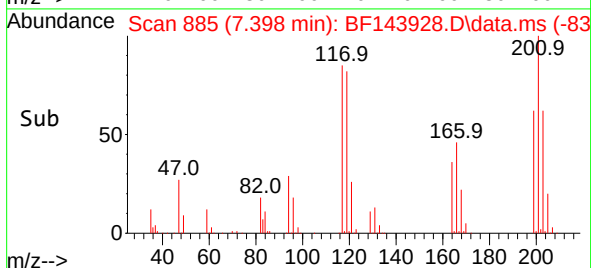
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

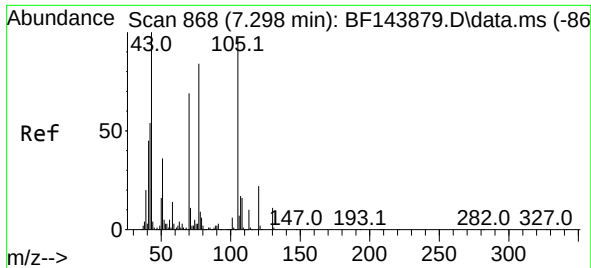


#18
Hexachloroethane
Concen: 44.967 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



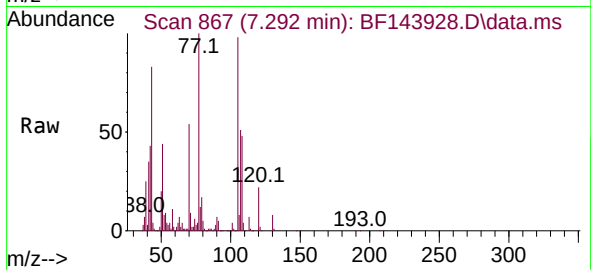
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.8
201	117.2	88.5	132.7





#19
n-Nitroso-di-n-propylamine
Concen: 44.697 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.024 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

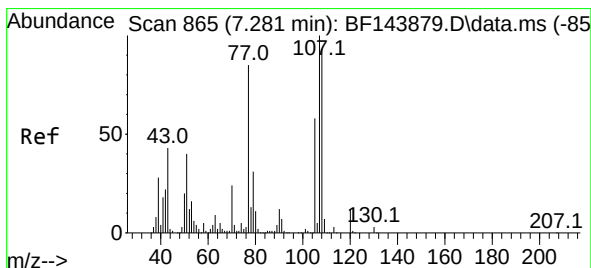
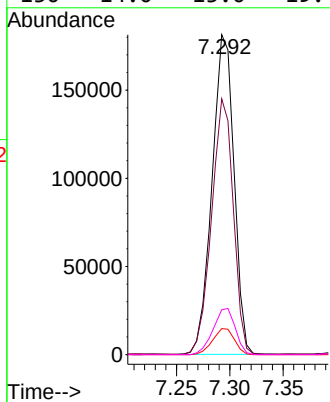
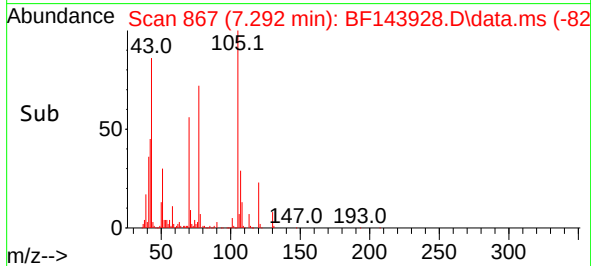
Instrument :
BNA_F
Client Sample Id :
SS-01-0-1MS



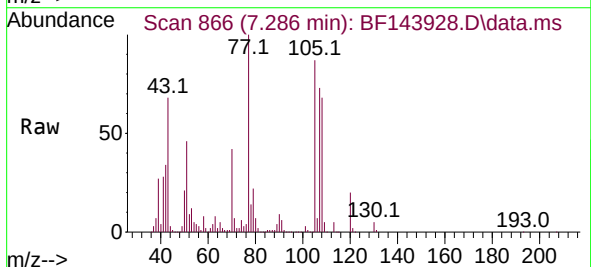
Tgt Ion: 70 Resp: 25988
Ion Ratio Lower Upper
70 100
42 79.9 62.8 94.2
101 8.1 6.7 10.1
130 14.0 13.0 19.4

Manual Integrations
APPROVED

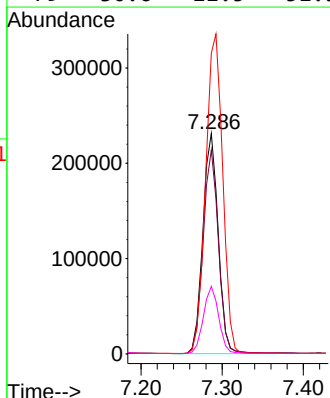
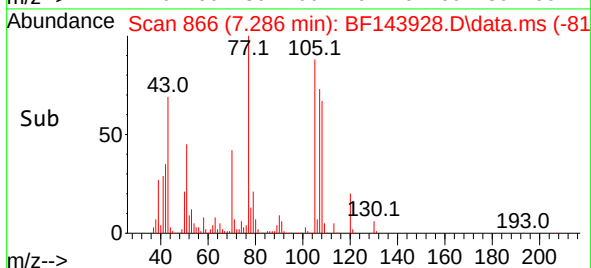
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

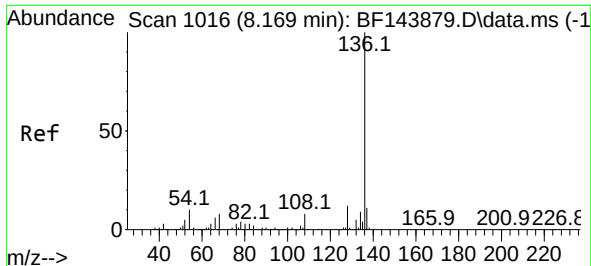


#20
3+4-Methylphenols
Concen: 45.666 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



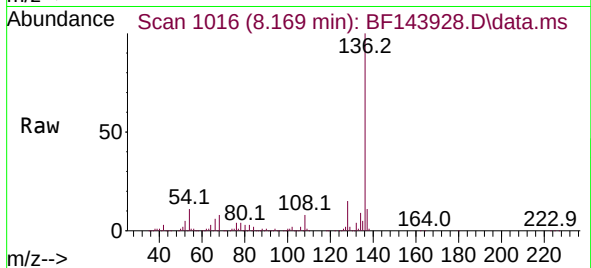
Tgt Ion:107 Resp: 304691
Ion Ratio Lower Upper
107 100
108 92.4 73.0 113.0
77 136.4 64.6 104.6#
79 30.6 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

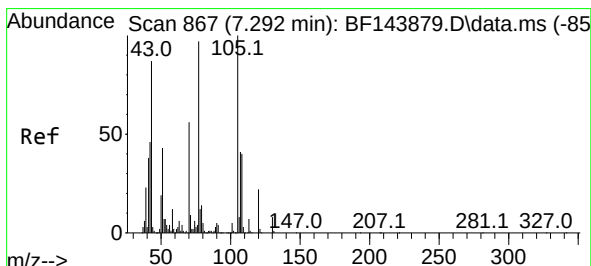
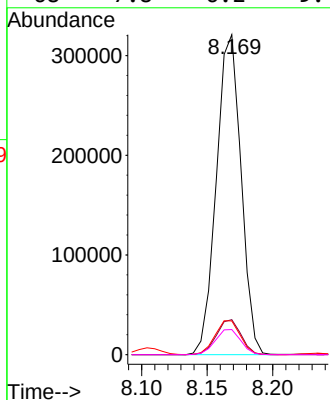
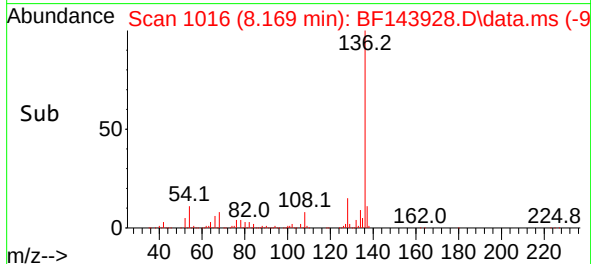
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



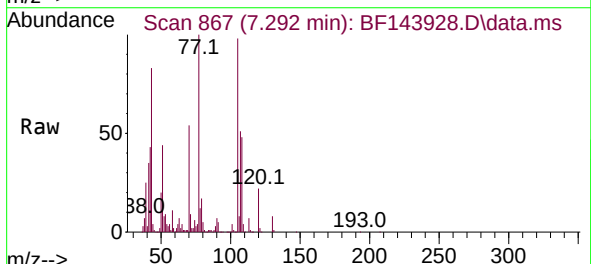
Tgt Ion:136 Resp: 420905
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.5 8.2 12.4
68 7.8 6.2 9.4

Manual Integrations
APPROVED

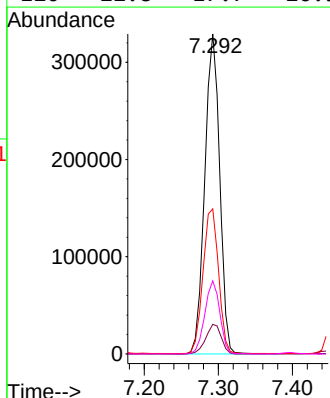
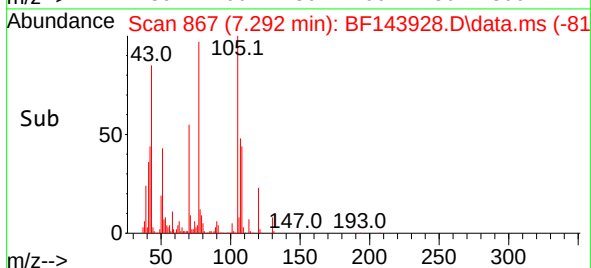
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

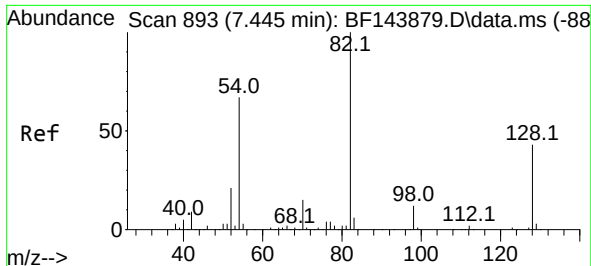


#22
Acetophenone
Concen: 51.698 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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# 893

Delta R.T. -0.012 min

Lab File: BF143928.D

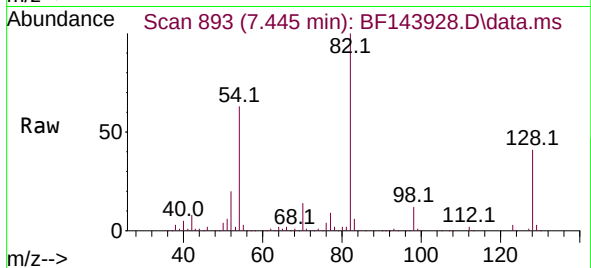
Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

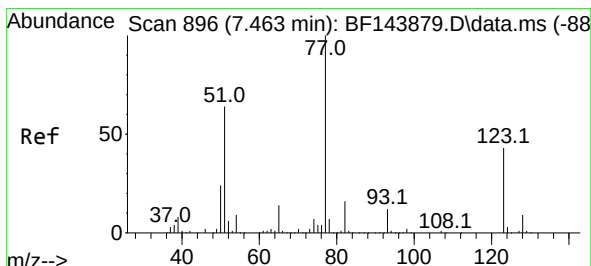
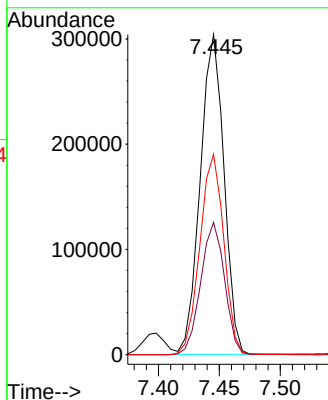
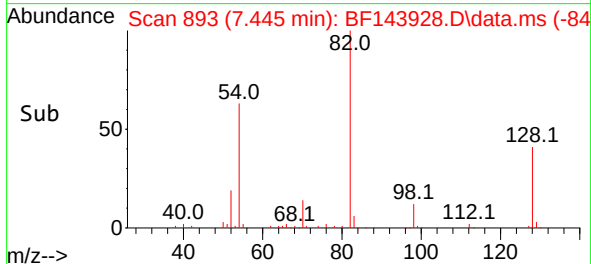
SS-01-0-1MS



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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#24

Nitrobenzene

Concen: 50.450 ng

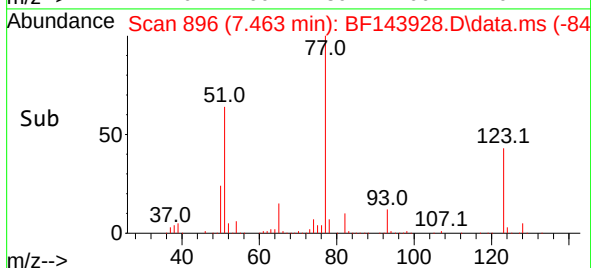
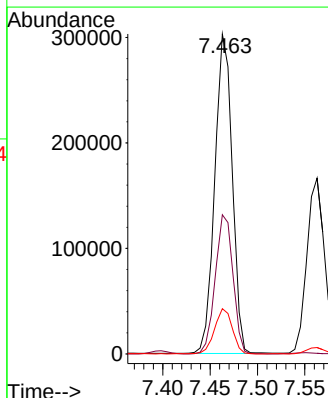
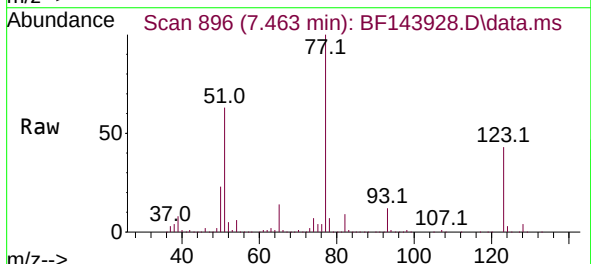
RT: 7.463 min Scan# 896

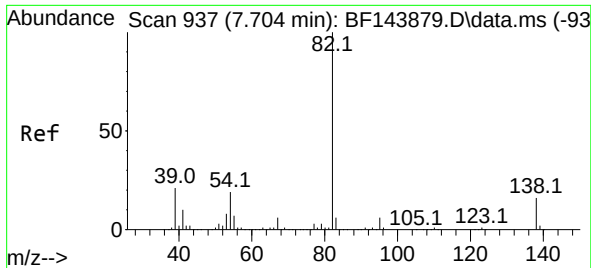
Delta R.T. -0.012 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

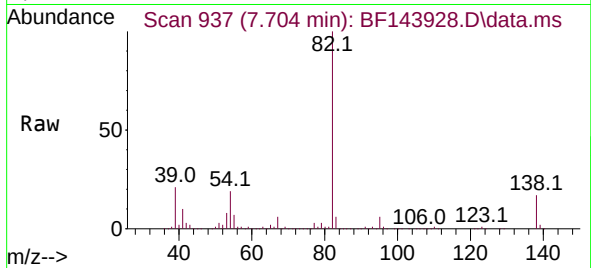
Tgt Ion:	77	Resp:	388139
Ion	Ratio	Lower	Upper
77	100		
123	43.5	34.2	51.4
65	14.1	11.0	16.6





#25
Isophorone
Concen: 47.632 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.018 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

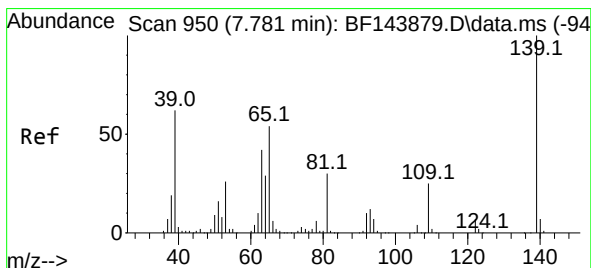
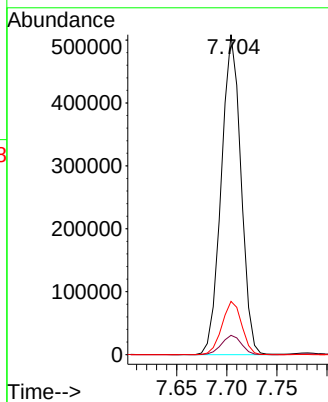
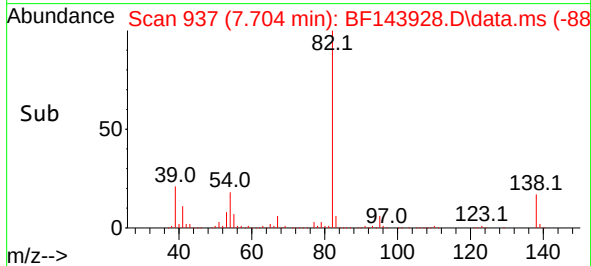
Instrument :
BNA_F
Client Sample Id :
SS-01-0-1MS



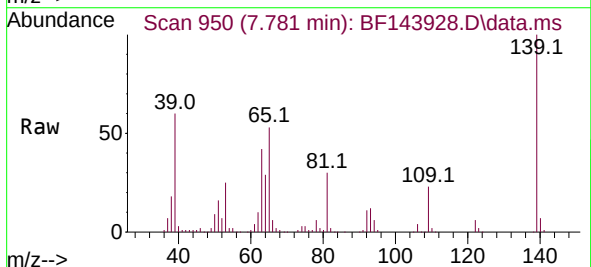
Tgt Ion: 82 Resp: 695804
Ion Ratio Lower Upper
82 100
95 6.0 5.1 7.7
138 16.6 12.9 19.3

Manual Integrations
APPROVED

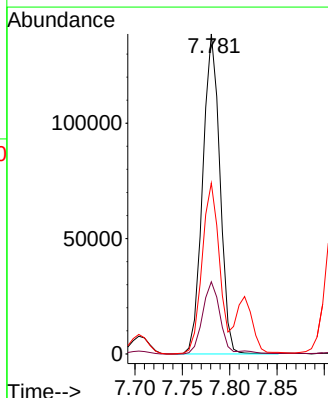
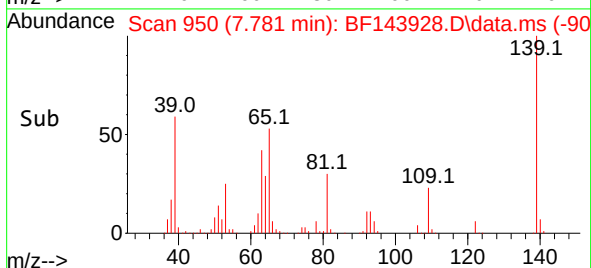
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

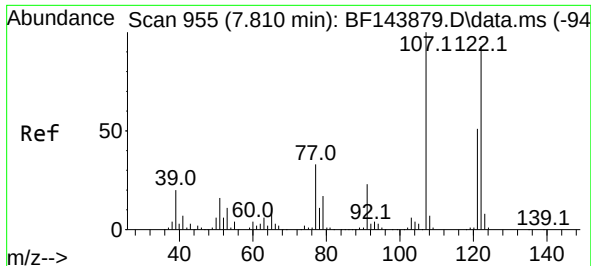


#26
2-Nitrophenol
Concen: 53.180 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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# 91

Delta R.T. -0.006 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

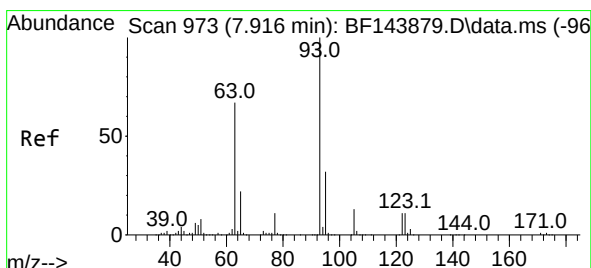
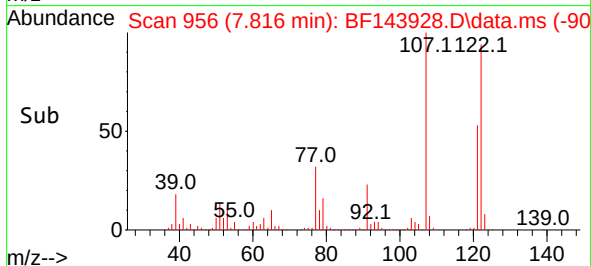
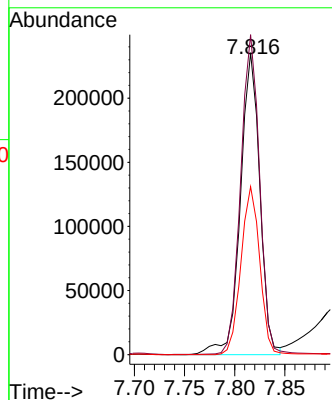
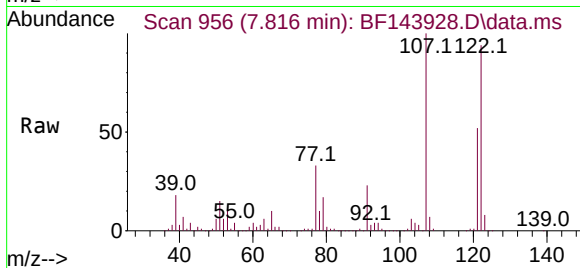
SS-01-0-1MS

Tgt Ion:122 Resp: 316376

Ion	Ratio	Lower	Upper
122	100		
107	106.0	86.1	129.1
121	55.6	43.8	65.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.203 ng

RT: 7.916 min Scan# 973

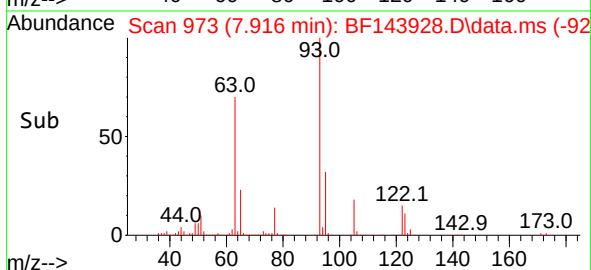
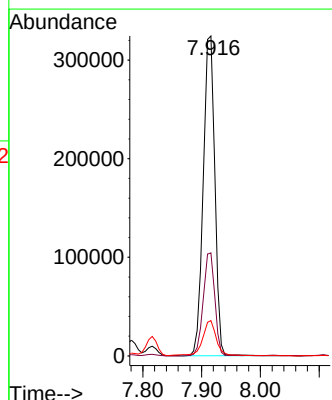
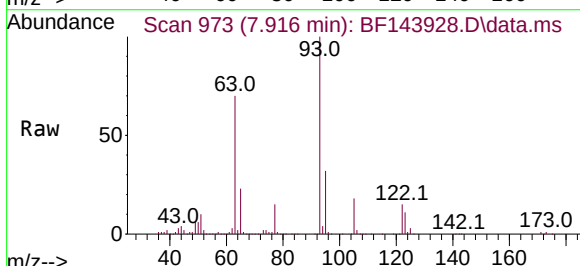
Delta R.T. -0.006 min

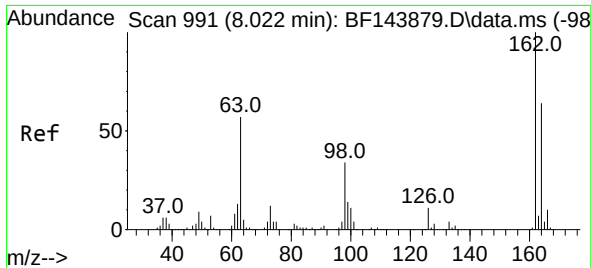
Lab File: BF143928.D

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# 991

Delta R.T. -0.006 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

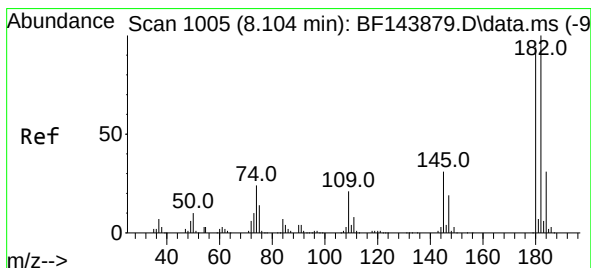
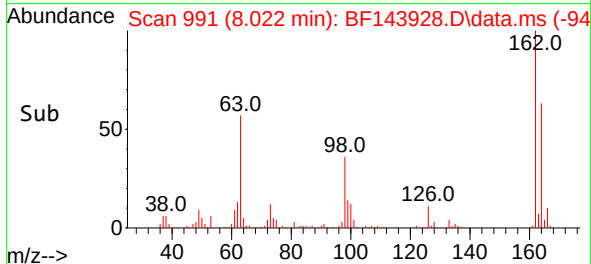
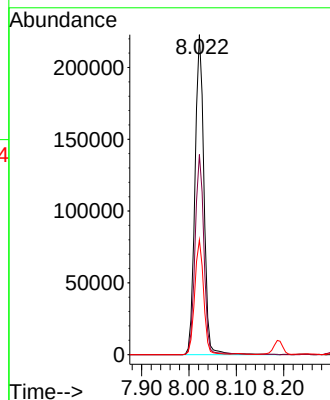
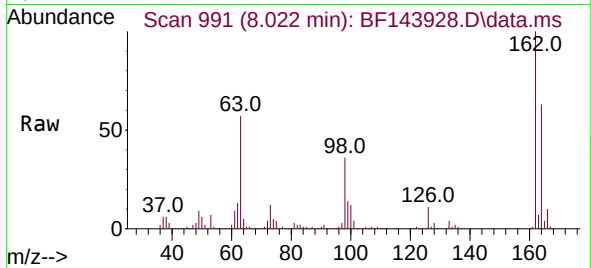
SS-01-0-1MS

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#30

1,2,4-Trichlorobenzene

Concen: 49.476 ng

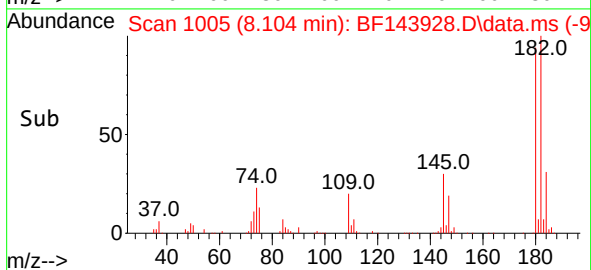
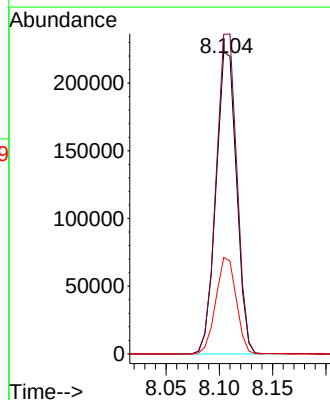
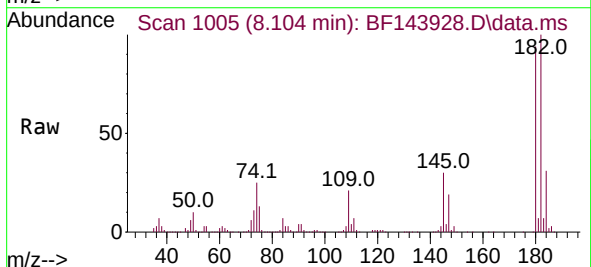
RT: 8.104 min Scan# 1005

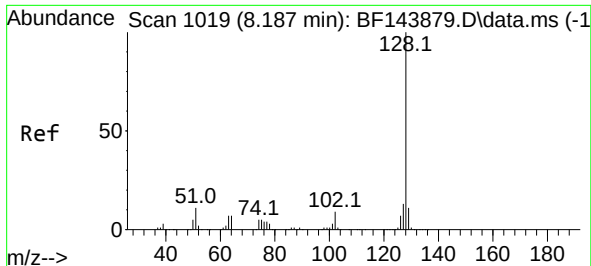
Delta R.T. -0.006 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

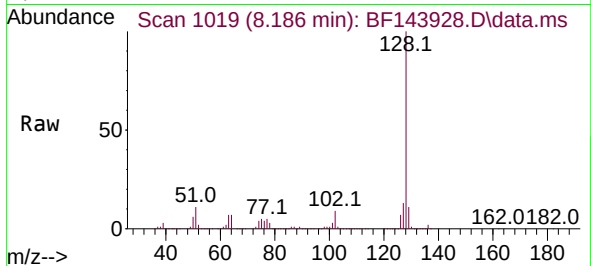
Tgt Ion:180	Resp: 300734
Ion Ratio	Lower Upper
180 100	
182 105.9	85.4 128.0
145 31.9	26.3 39.5





#31
Naphthalene
Concen: 49.027 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

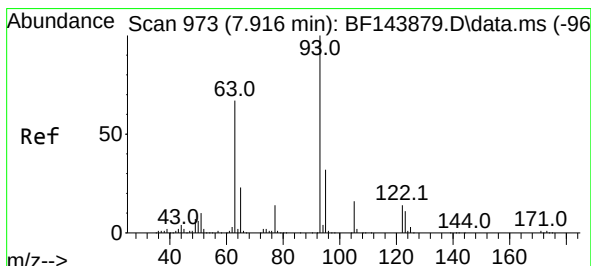
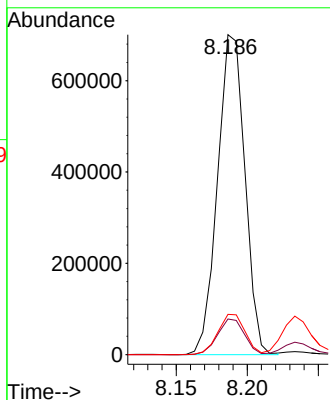
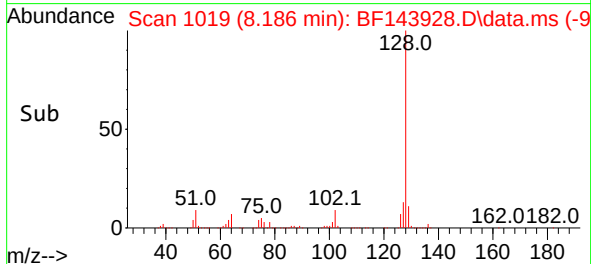
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



Tgt Ion:128 Resp: 938705
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.6 10.0 15.0

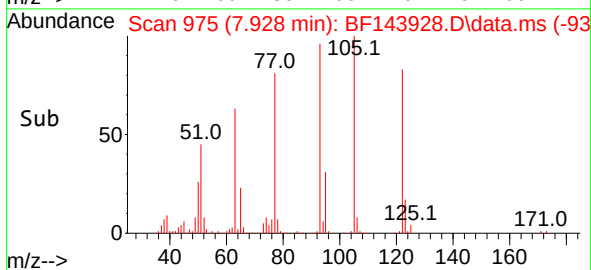
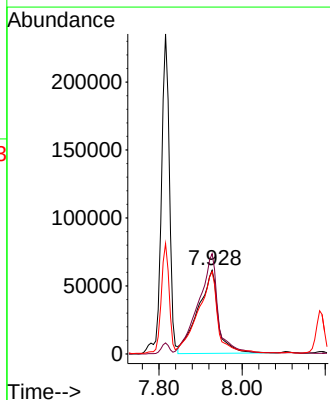
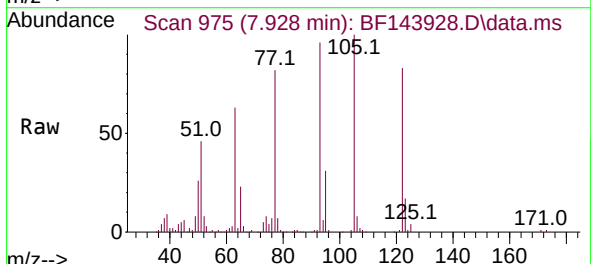
Manual Integrations
APPROVED

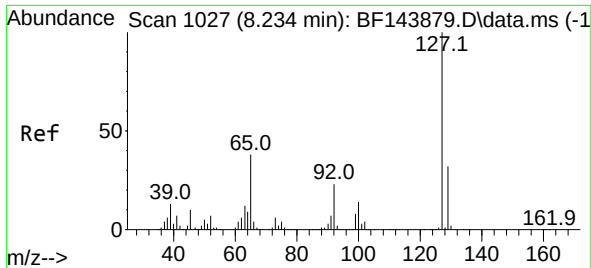
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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





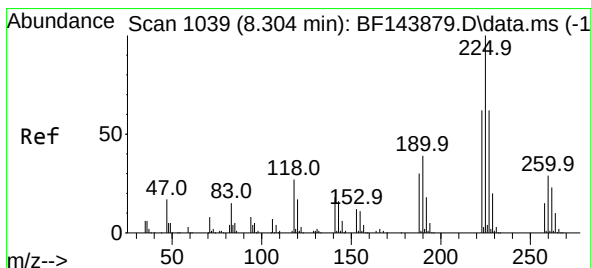
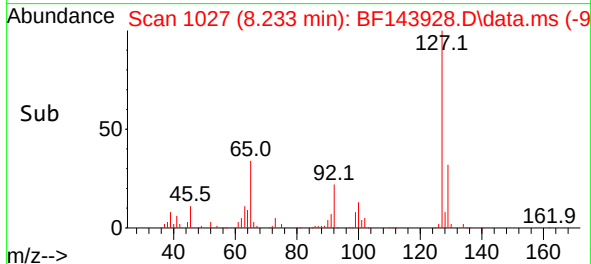
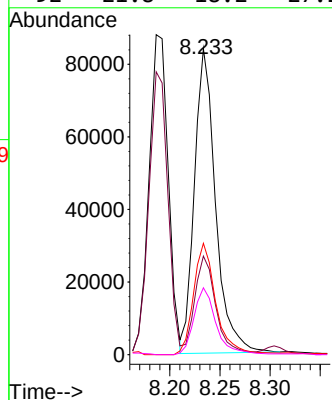
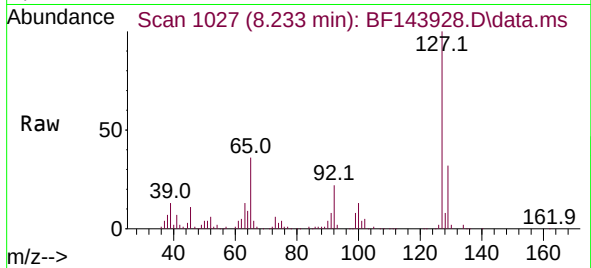
#33
4-Chloroaniline
Concen: 17.112 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Tgt 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

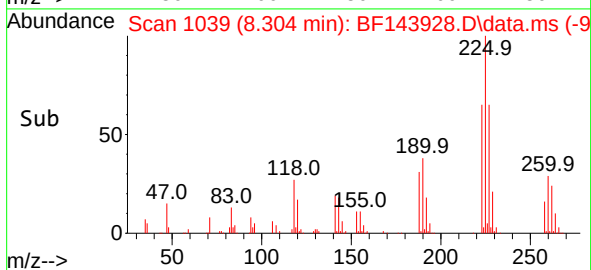
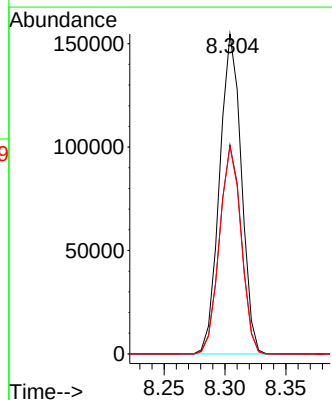
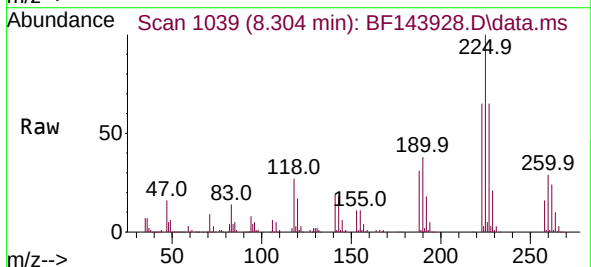
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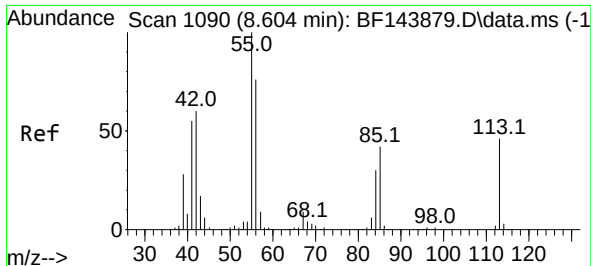
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

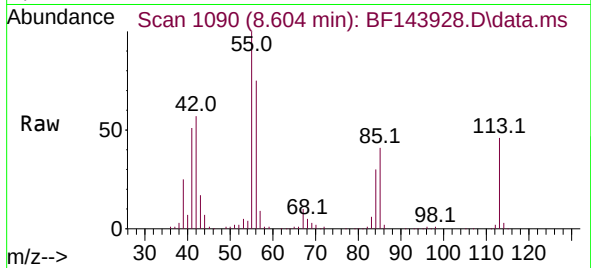
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	49.4	74.2
227	64.8	49.7	74.5





#35
 Caprolactam
 Concen: 48.461 ng
 RT: 8.604 min Scan# 1090
 Delta R.T. -0.041 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49

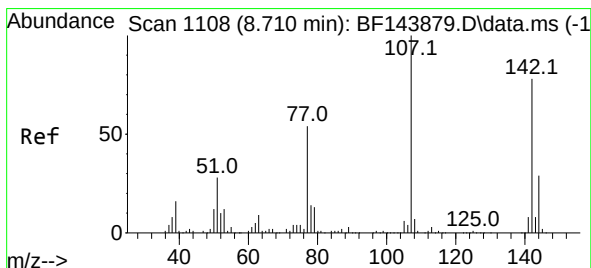
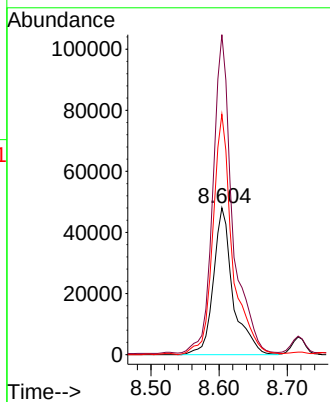
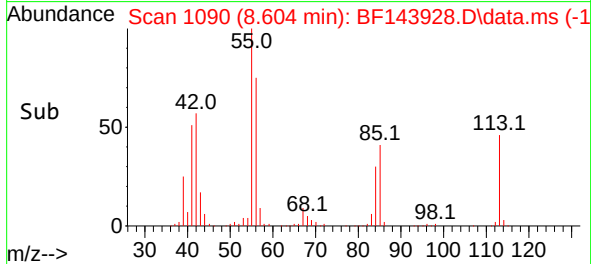
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS



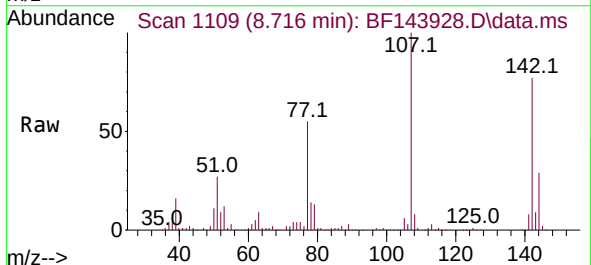
Tgt Ion:113 Resp: 95233
 Ion Ratio Lower Upper
 113 100
 55 217.9 199.6 239.6
 56 163.6 146.0 186.0

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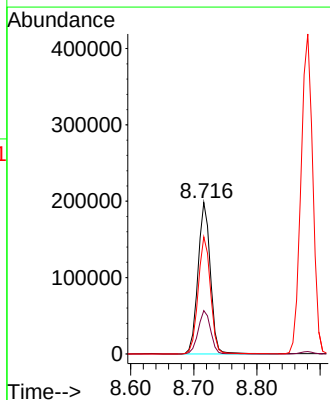
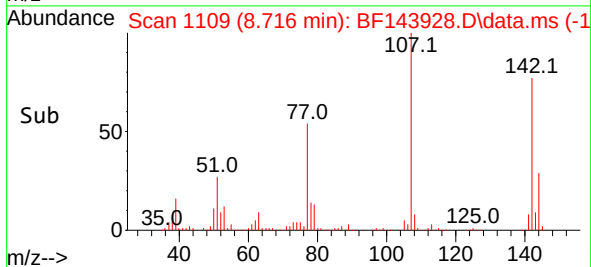
Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

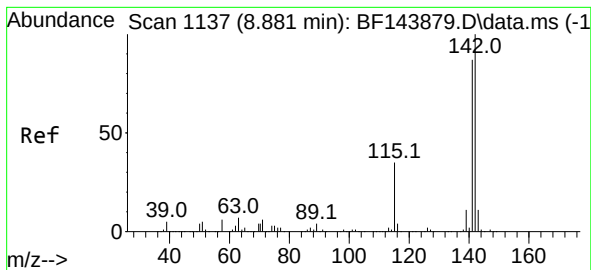


#36
 4-Chloro-3-methylphenol
 Concen: 45.559 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49



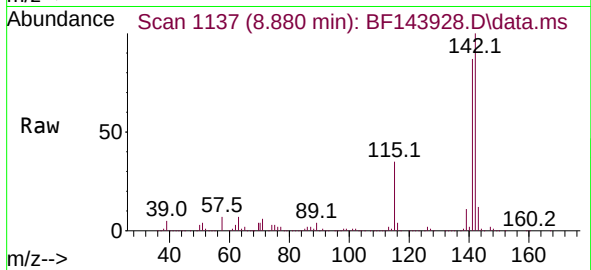
Tgt Ion:107 Resp: 270474
 Ion Ratio Lower Upper
 107 100
 144 28.6 23.1 34.7
 142 77.3 62.6 94.0





#37
2-Methylnaphthalene
Concen: 42.571 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

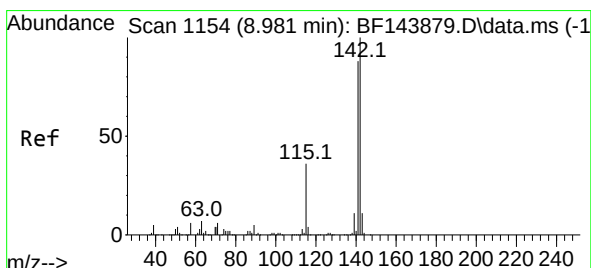
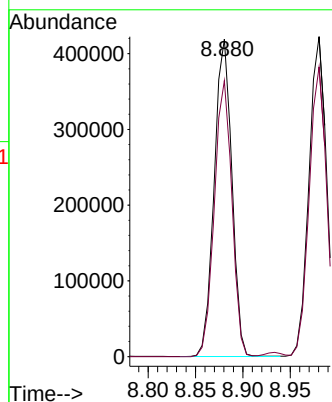
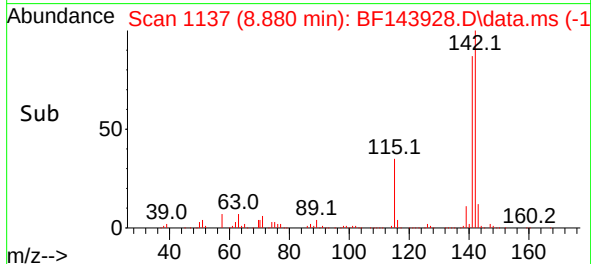
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



Tgt Ion:142 Resp: 542952
Ion Ratio Lower Upper
142 100
141 86.9 69.2 103.8

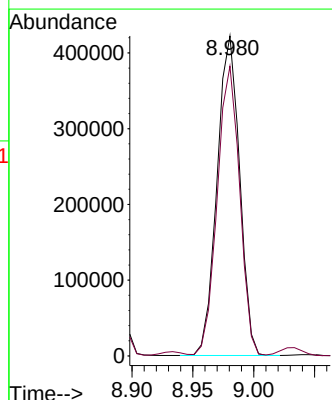
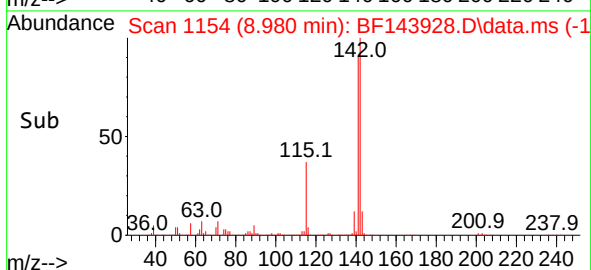
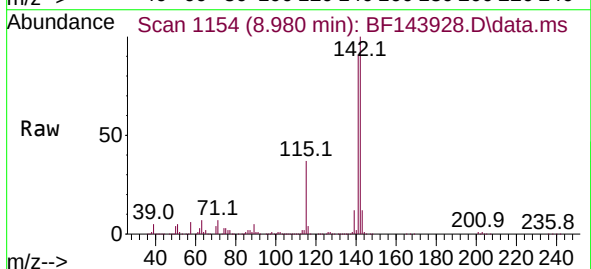
Manual Integrations
APPROVED

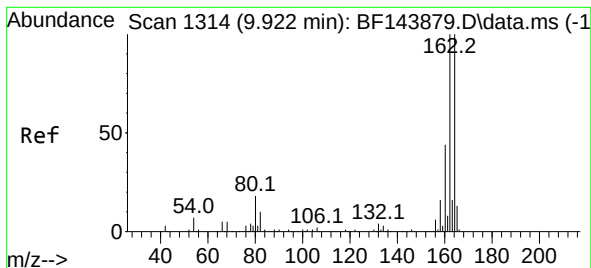
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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# 1314

Delta R.T. 0.000 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

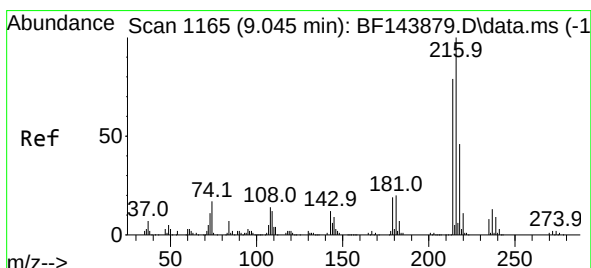
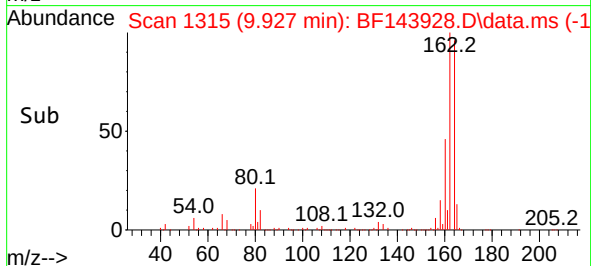
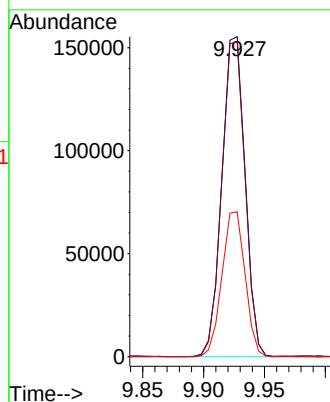
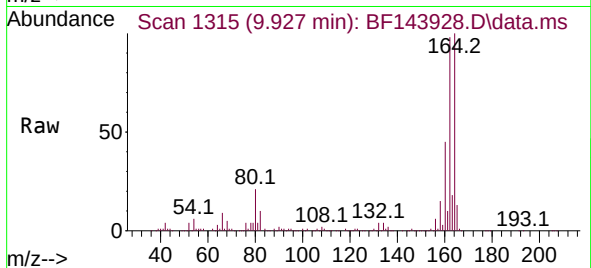
ClientSampleId :

SS-01-0-1MS

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

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 56.371 ng

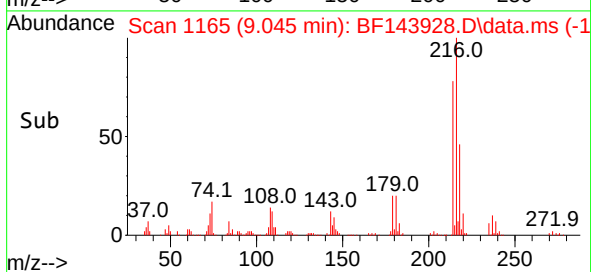
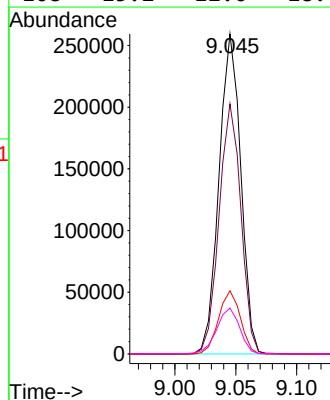
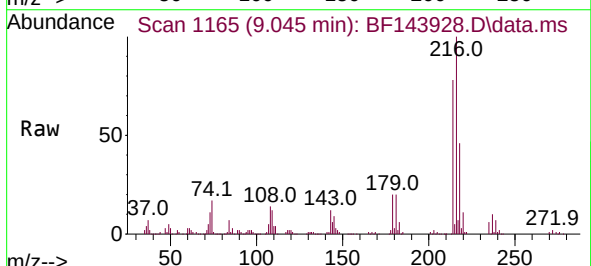
RT: 9.045 min Scan# 1165

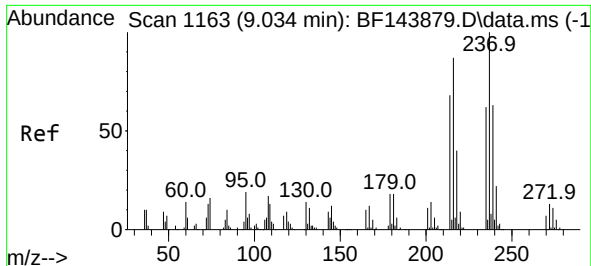
Delta R.T. -0.006 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

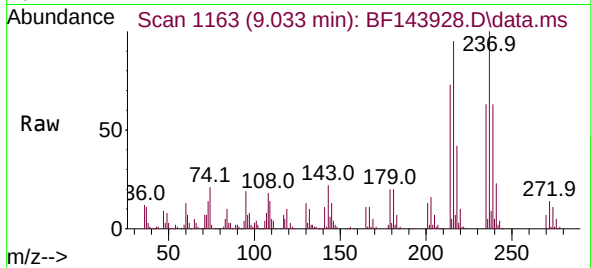
Tgt Ion:216	Resp: 321453
Ion Ratio	Lower Upper
216	100
214	78.3 62.6 94.0
179	19.7 15.4 23.0
108	15.2 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 52.887 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

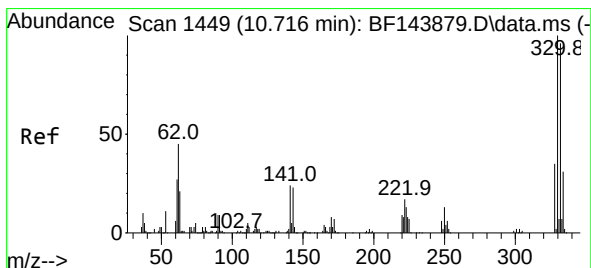
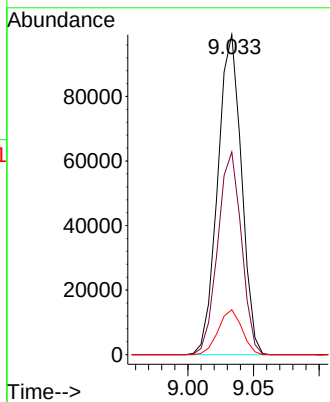
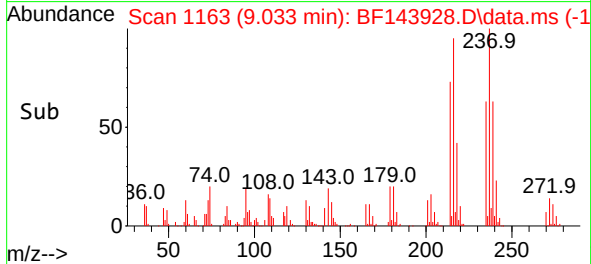
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



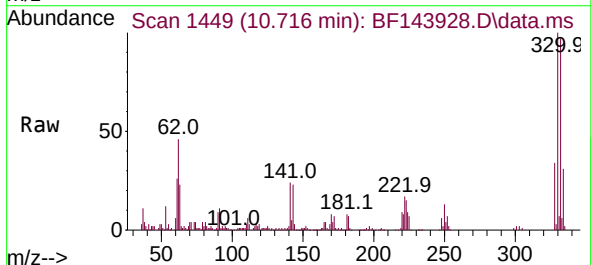
Tgt Ion: 237 Resp: 125116
Ion Ratio Lower Upper
237 100
235 63.3 42.3 82.3
272 14.0 0.0 33.1

Manual Integrations
APPROVED

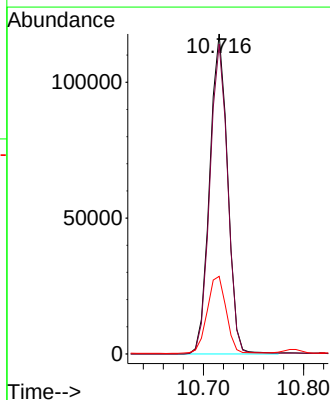
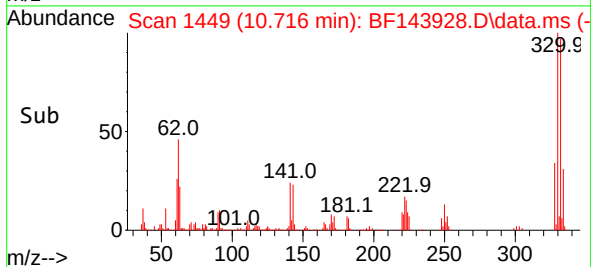
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

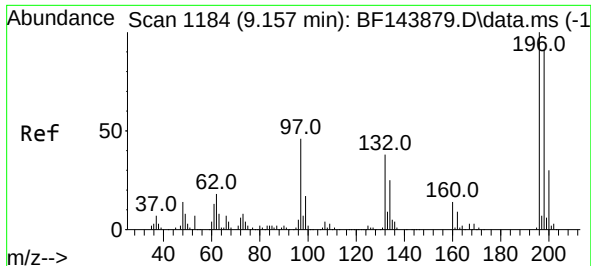


#42
2,4,6-Tribromophenol
Concen: 71.041 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



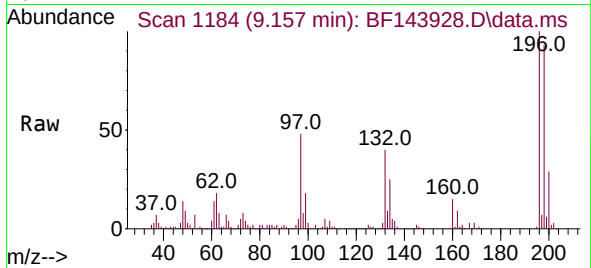
Tgt Ion: 330 Resp: 145989
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 25.6 20.2 30.4





#43
2,4,6-Trichlorophenol
Concen: 49.287 ng
RT: 9.157 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

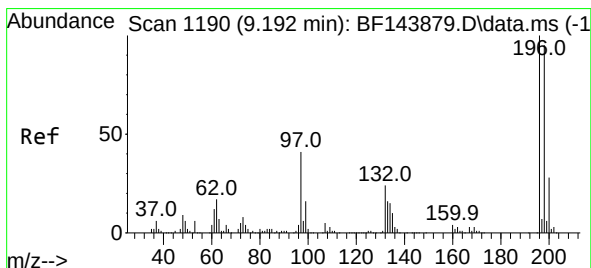
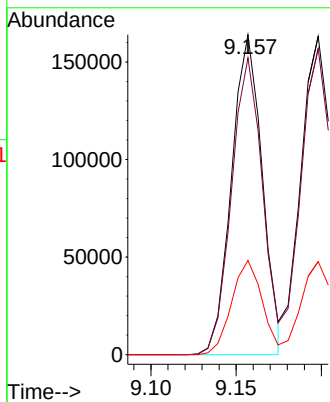
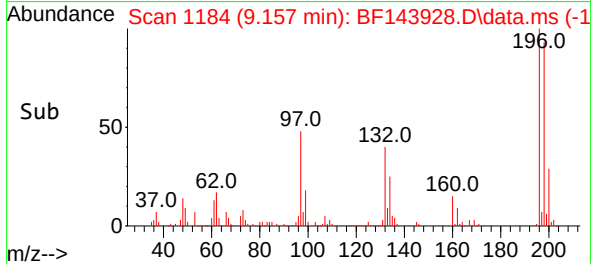
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



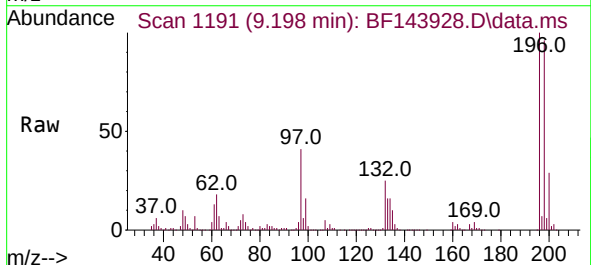
Tgt Ion:196 Resp: 205359
Ion Ratio Lower Upper
196 100
198 92.7 72.8 109.2
200 29.4 24.0 36.0

Manual Integrations
APPROVED

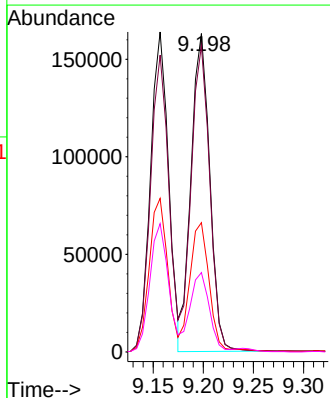
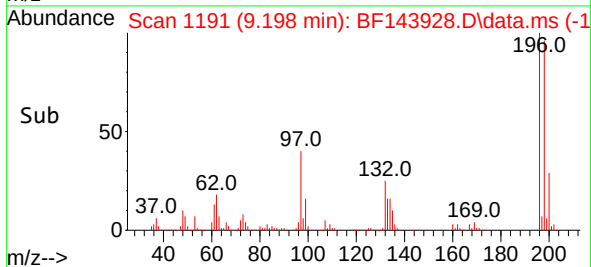
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

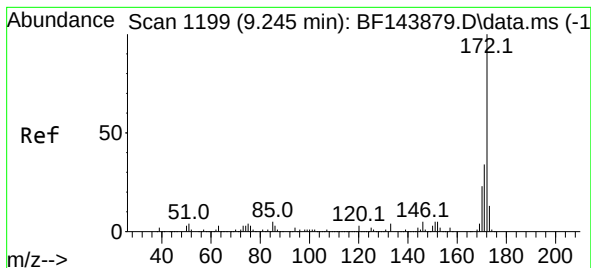


#44
2,4,5-Trichlorophenol
Concen: 47.967 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



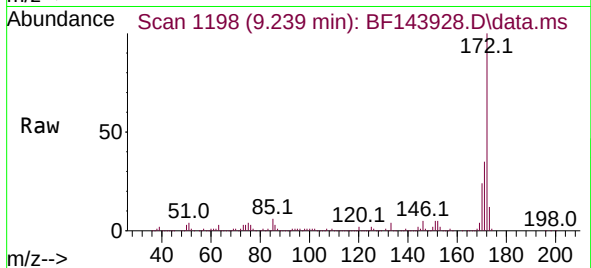
Tgt Ion:196 Resp: 211202
Ion Ratio Lower Upper
196 100
198 96.2 75.5 113.3
97 40.6 33.9 50.9
132 24.9 20.0 30.0





#45
2-Fluorobiphenyl
Concen: 50.045 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

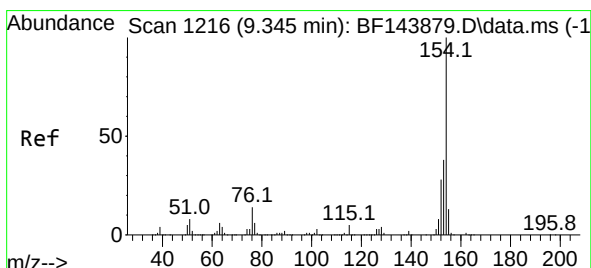
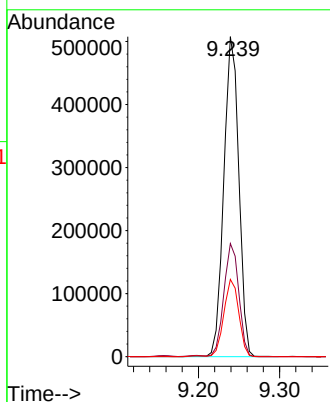
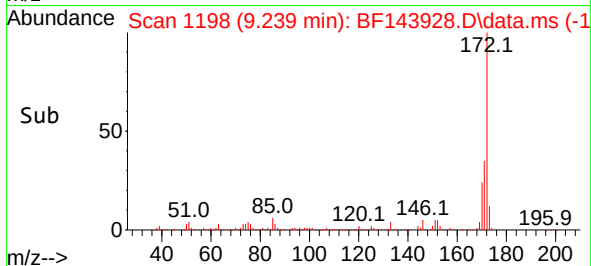
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



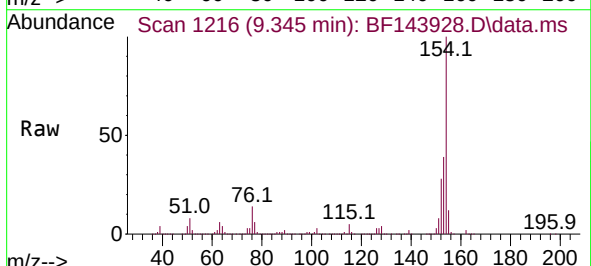
Tgt Ion:172 Resp: 650734
Ion Ratio Lower Upper
172 100
171 35.3 27.4 41.0
170 24.1 18.6 28.0

Manual Integrations
APPROVED

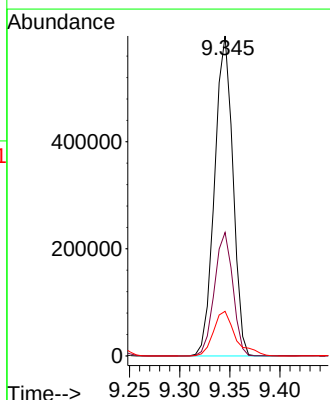
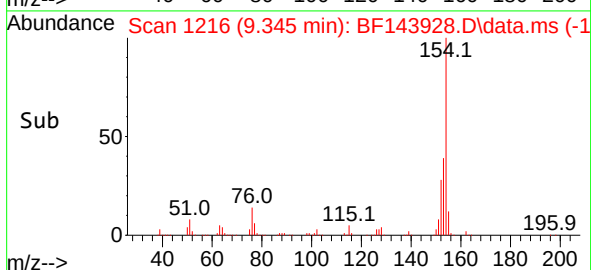
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

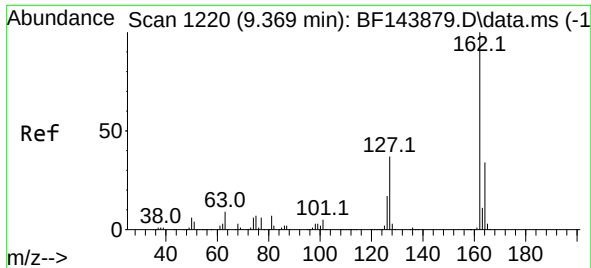


#46
1,1'-Biphenyl
Concen: 55.582 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



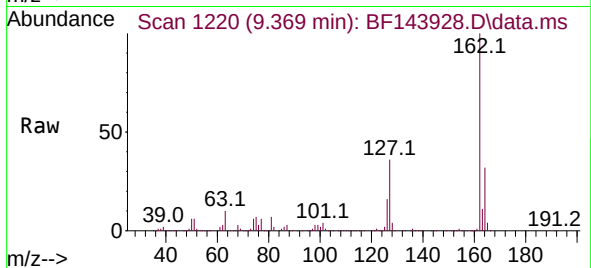
Tgt Ion:154 Resp: 759271
Ion Ratio Lower Upper
154 100
153 38.6 18.4 58.4
76 13.9 0.0 34.0





#47
2-Chloronaphthalene
Concen: 49.934 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

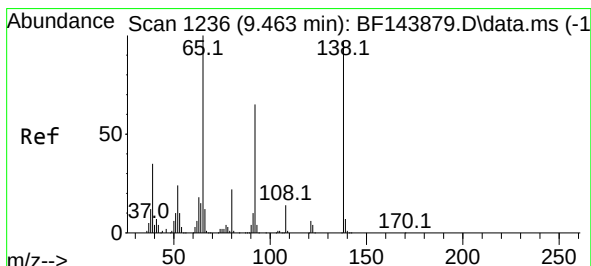
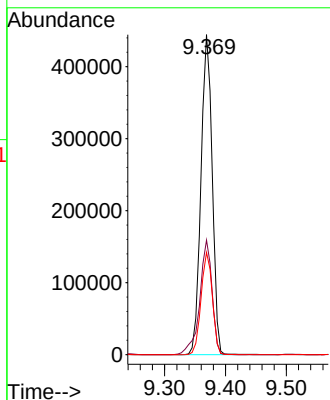
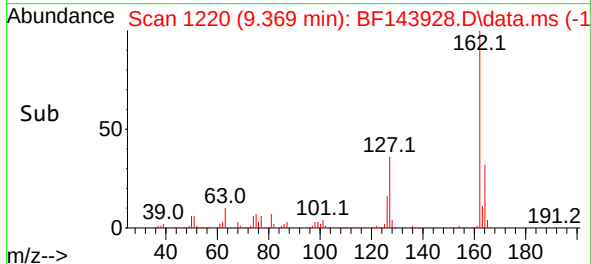
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



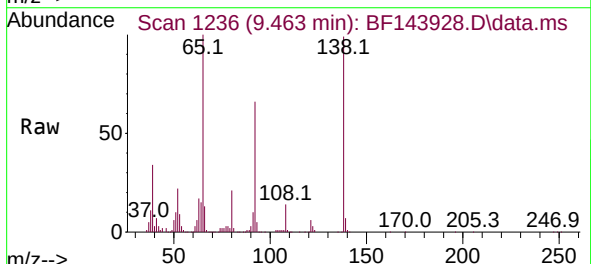
Tgt Ion: 162 Resp: 568718
Ion Ratio Lower Upper
162 100
127 35.8 30.2 45.2
164 31.9 26.9 40.3

Manual Integrations
APPROVED

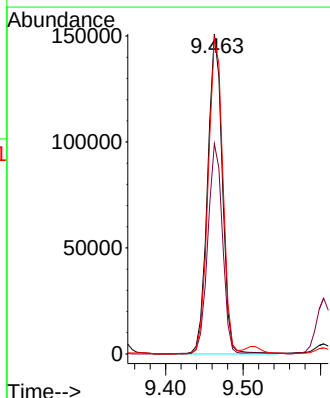
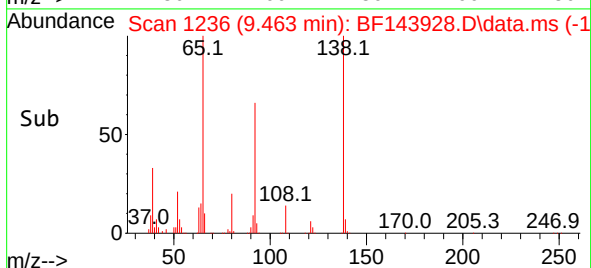
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

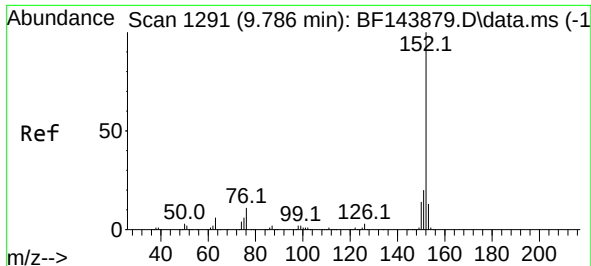


#48
2-Nitroaniline
Concen: 55.197 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



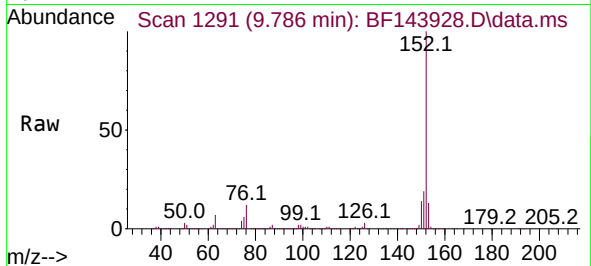
Tgt Ion: 65 Resp: 198755
Ion Ratio Lower Upper
65 100
92 65.7 52.1 78.1
138 98.6 77.4 116.2





#49
Acenaphthylene
Concen: 54.326 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

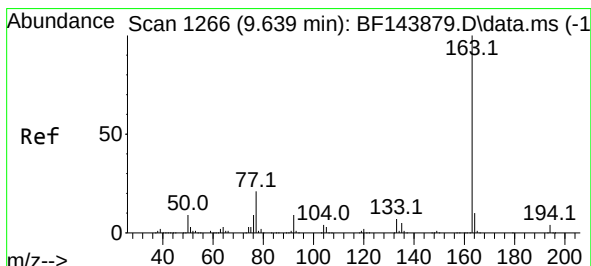
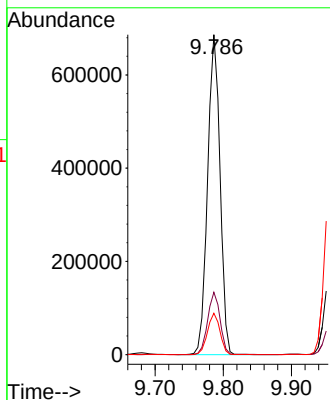
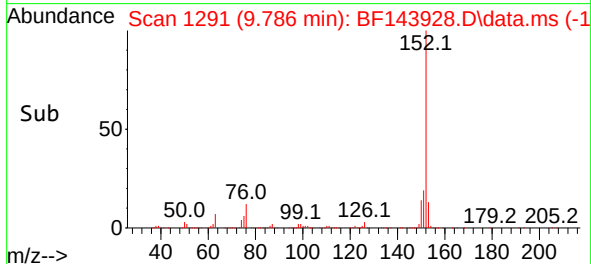
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



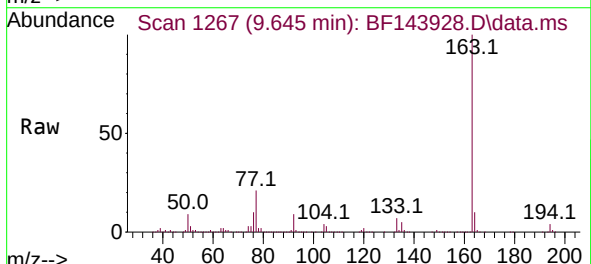
Tgt Ion:152 Resp: 86986
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 12.9 10.5 15.7

Manual Integrations
APPROVED

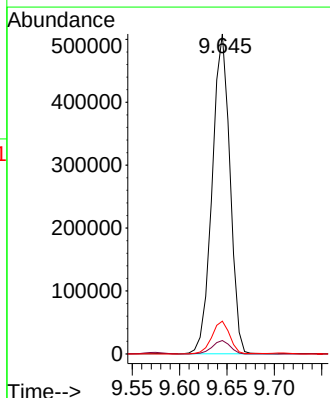
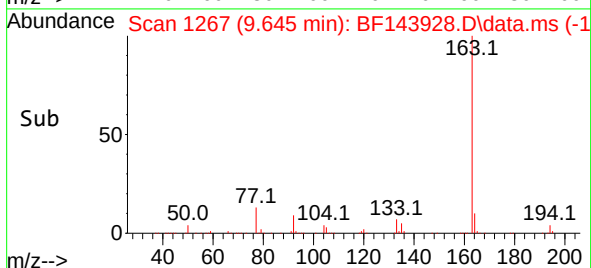
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

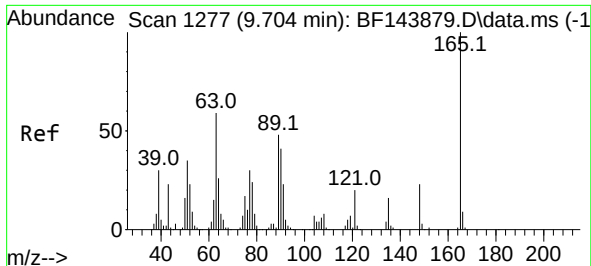


#50
Dimethylphthalate
Concen: 50.588 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



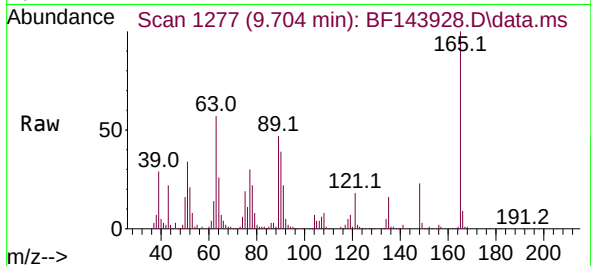
Tgt Ion:163 Resp: 662822
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 57.245 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

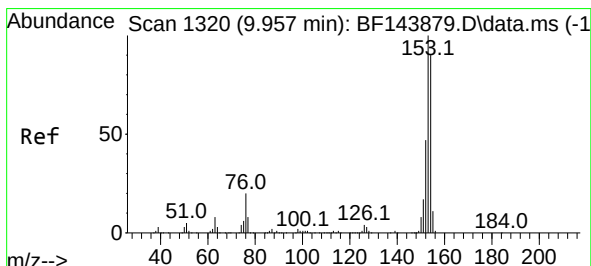
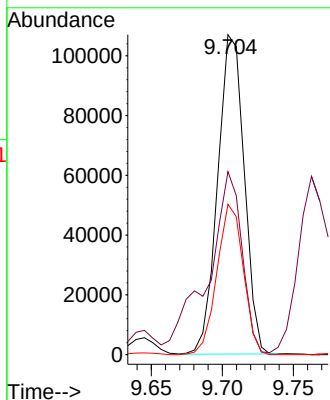
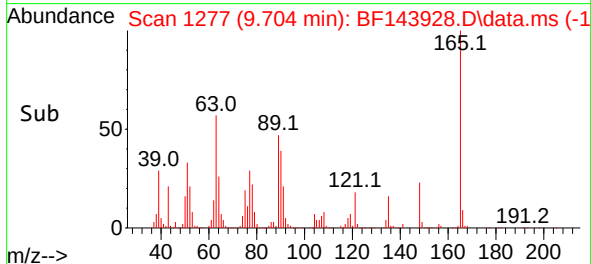
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



Tgt Ion:165 Resp: 139080
Ion Ratio Lower Upper
165 100
63 57.2 47.3 70.9
89 47.0 38.2 57.4

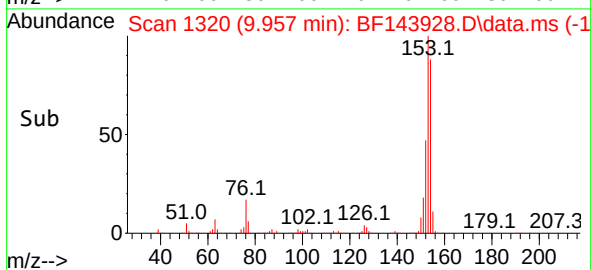
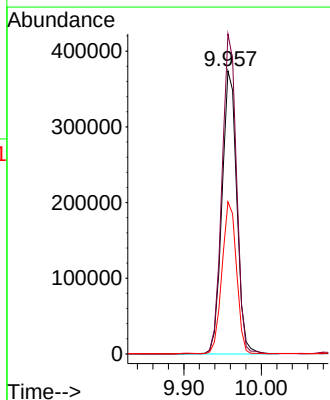
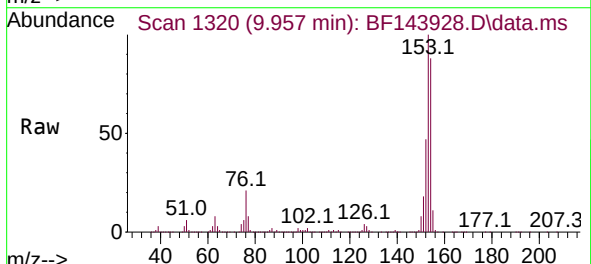
Manual Integrations
APPROVED

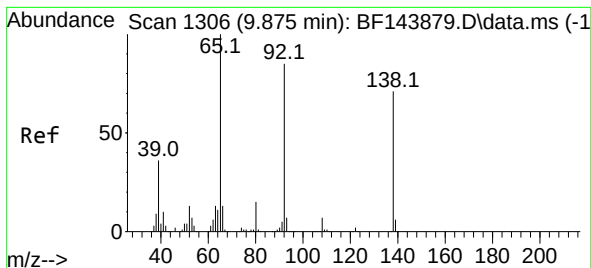
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

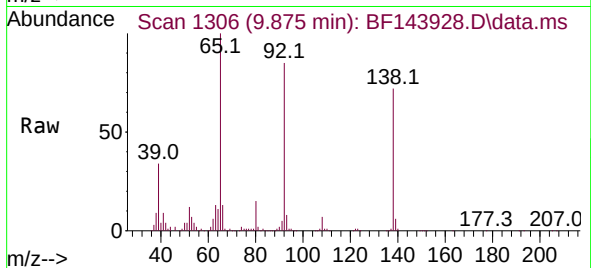
Tgt Ion:154 Resp: 497931
Ion Ratio Lower Upper
154 100
153 113.1 89.3 133.9
152 53.7 42.2 63.2





#53
3-Nitroaniline
Concen: 36.040 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

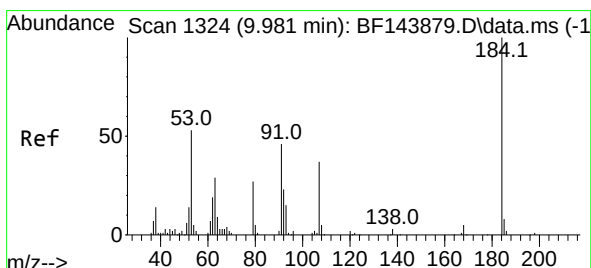
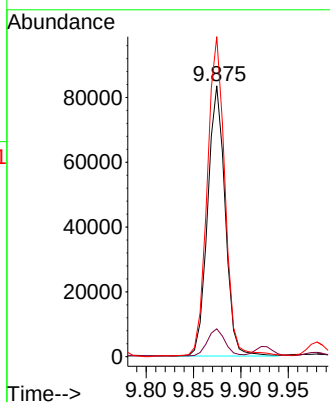
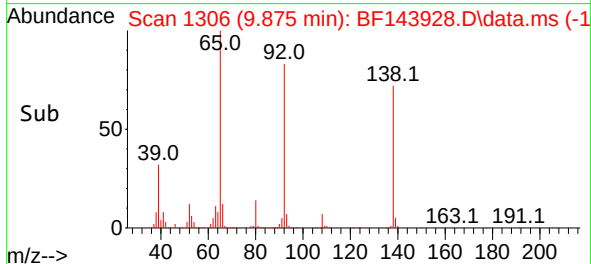
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



Tgt Ion:138 Resp: 107214
Ion Ratio Lower Upper
138 100
108 10.3 8.3 12.5
92 118.1 96.2 144.2

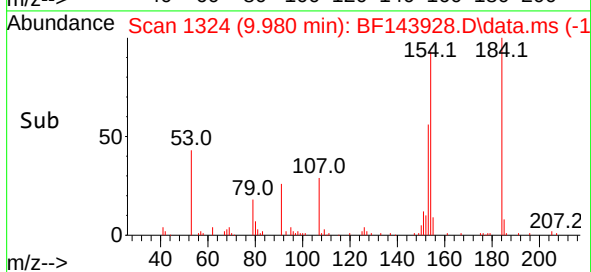
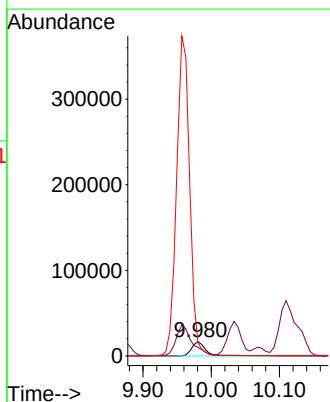
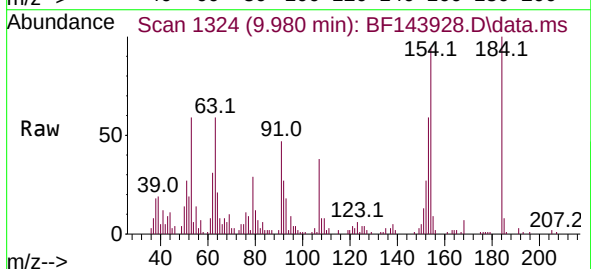
Manual Integrations
APPROVED

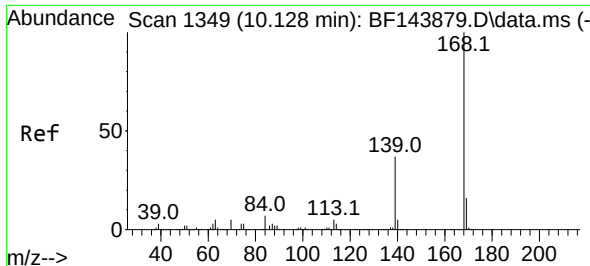
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

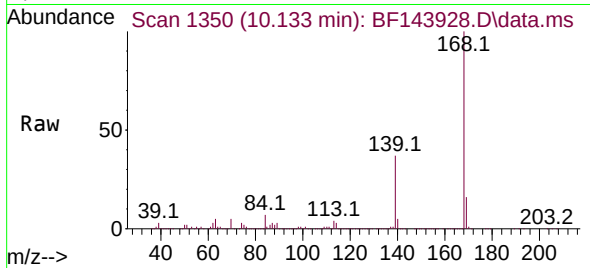
Tgt Ion:184 Resp: 23533
Ion Ratio Lower Upper
184 100
63 59.3 48.2 72.4
154 93.7 49.2 73.8#





#55
Dibenzofuran
Concen: 48.516 ng
RT: 10.133 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

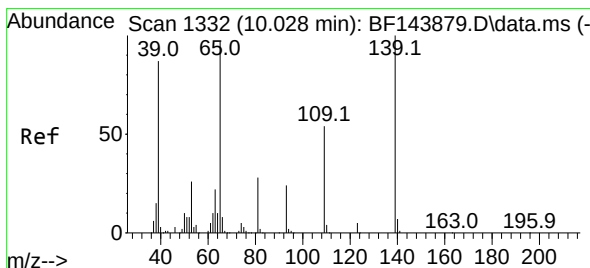
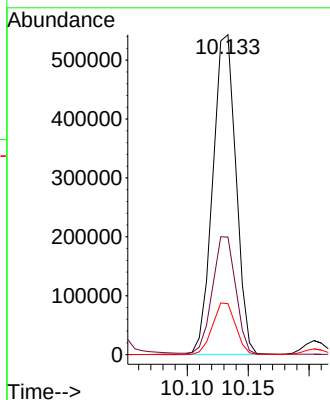
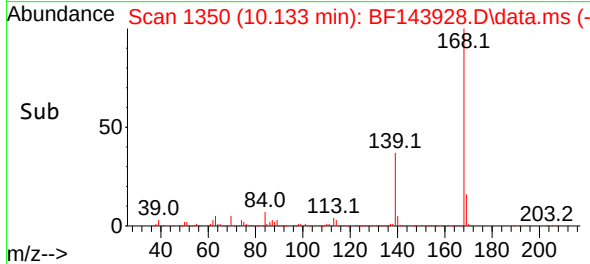
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



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

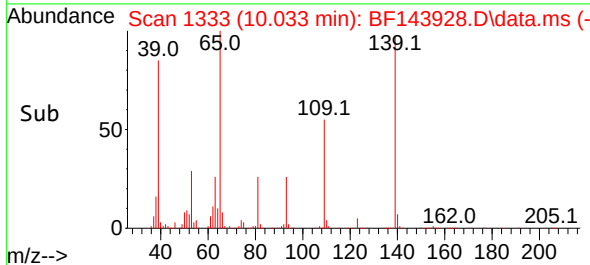
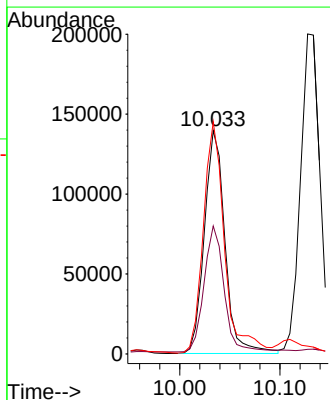
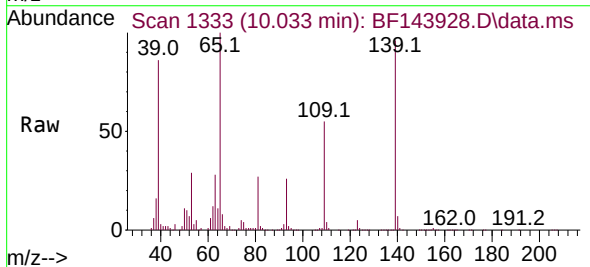
Manual Integrations
APPROVED

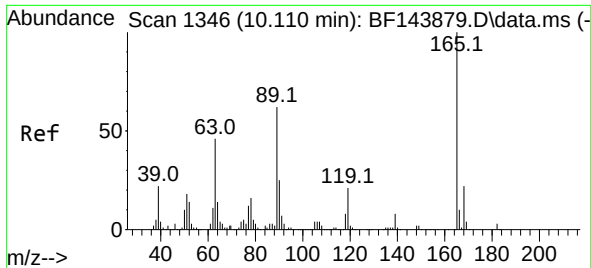
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

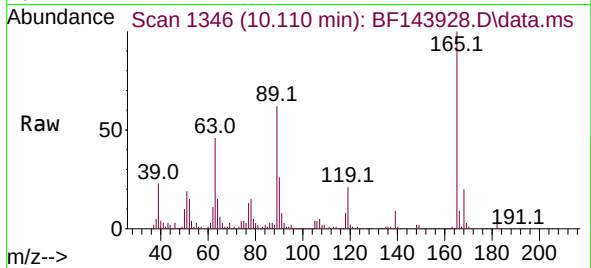
Tgt Ion:139 Resp: 199522
Ion Ratio Lower Upper
139 100
109 57.3 34.5 74.5
65 104.0 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 53.892 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

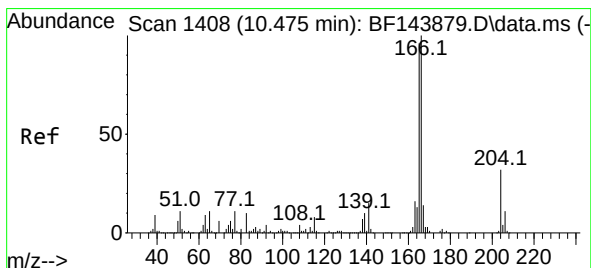
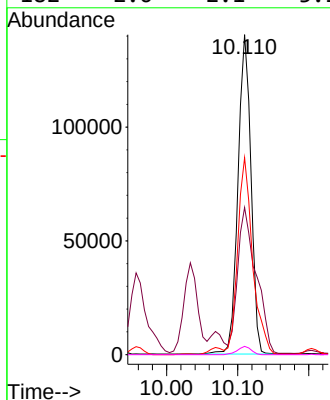
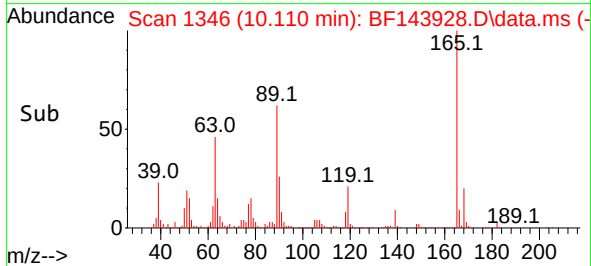
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



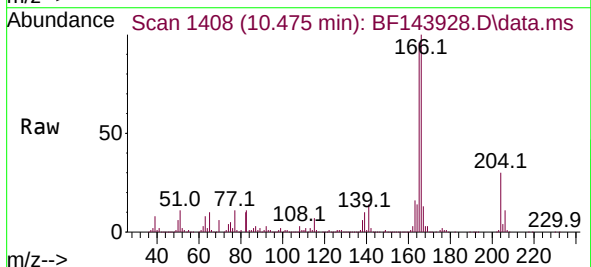
Tgt Ion:165 Resp: 178154
Ion Ratio Lower Upper
165 100
63 46.0 37.2 55.8
89 61.5 49.4 74.2
182 2.6 2.1 3.1

Manual Integrations
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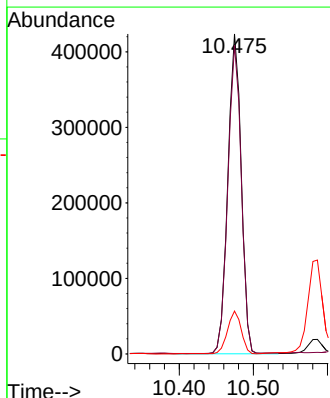
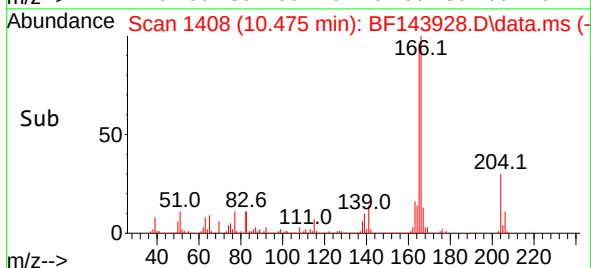
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

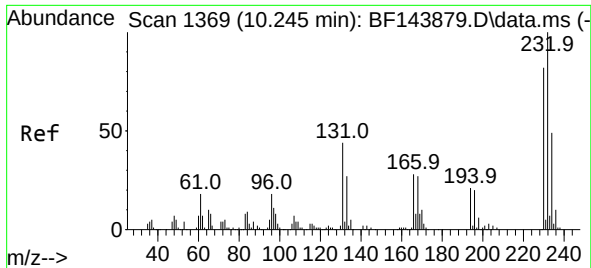


#58
Fluorene
Concen: 47.498 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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





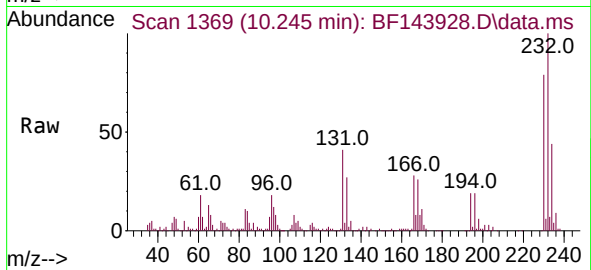
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.460 ng m
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MS

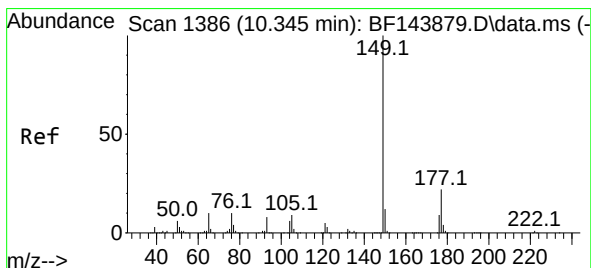
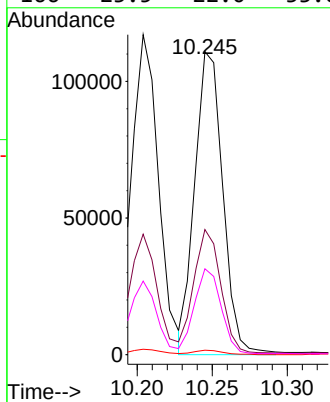
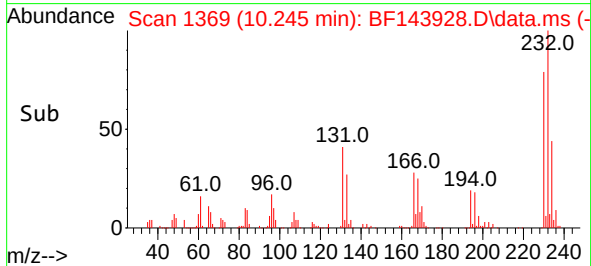


Tgt Ion:232 Resp: 144809
Ion Ratio Lower Upper
232 100
131 39.4 34.9 52.3
130 2.0 1.6 2.4
166 23.5 22.0 33.0

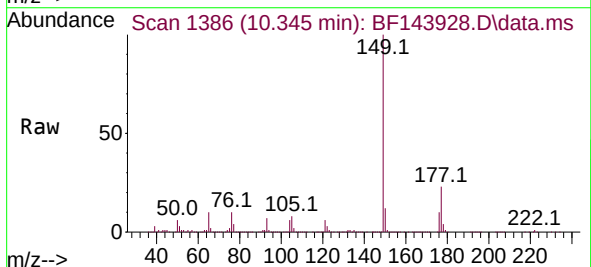
Manual Integrations

APPROVED

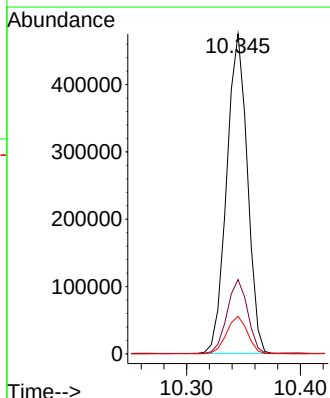
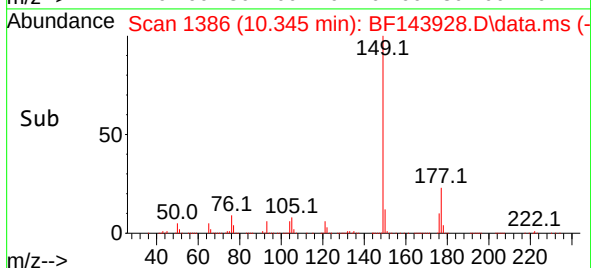
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

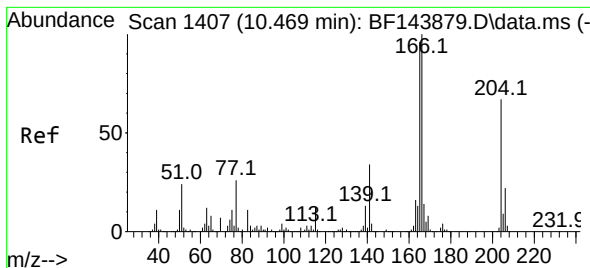


#60
Diethylphthalate
Concen: 49.333 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



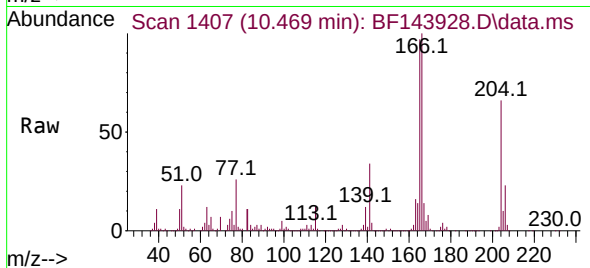
Tgt Ion:149 Resp: 600486
Ion Ratio Lower Upper
149 100
177 23.2 17.9 26.9
150 11.7 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 45.952 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

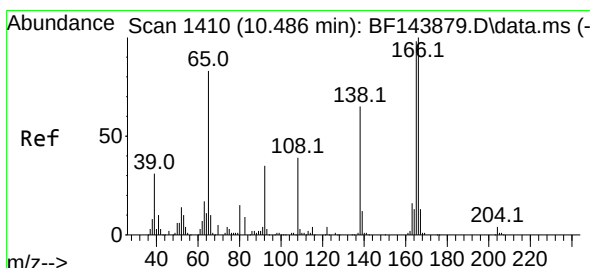
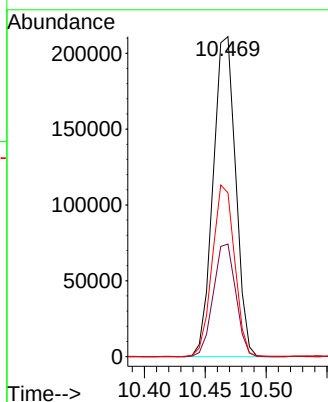
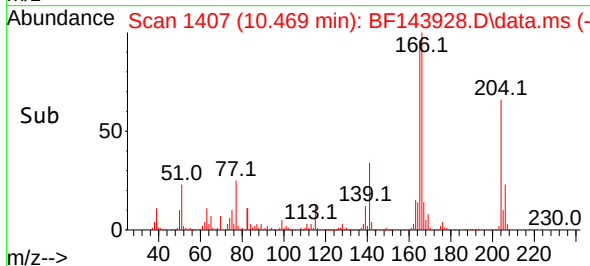
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



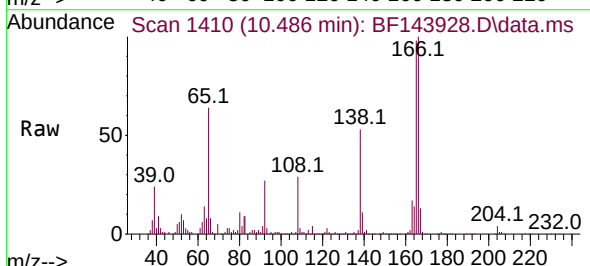
Tgt Ion:204 Resp: 271508
Ion Ratio Lower Upper
204 100
206 35.2 26.6 40.0
141 51.2 40.4 60.6

Manual Integrations
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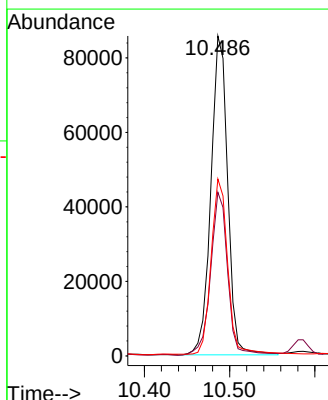
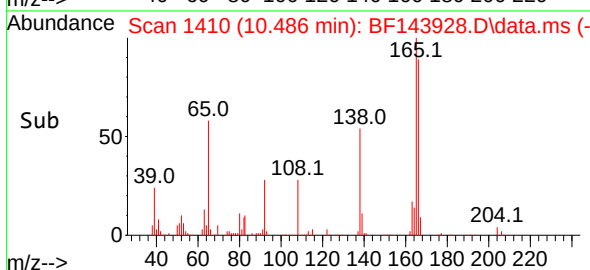
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

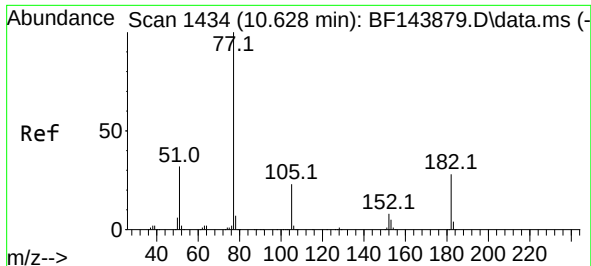


#62
4-Nitroaniline
Concen: 41.026 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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





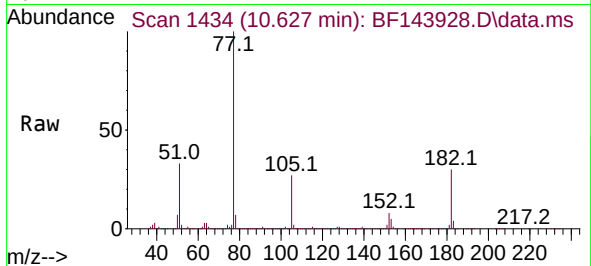
#63
Azobenzene
Concen: 51.414 ng
RT: 10.627 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

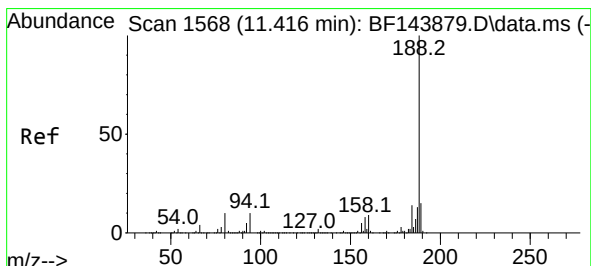
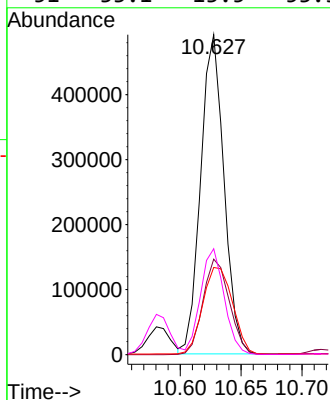
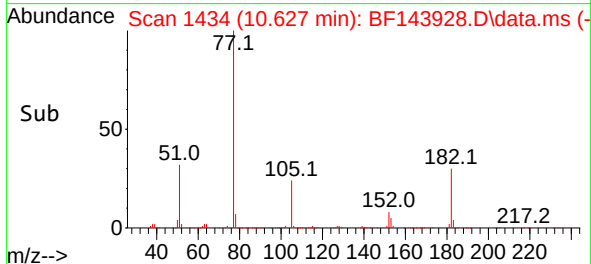
SS-01-0-1MS



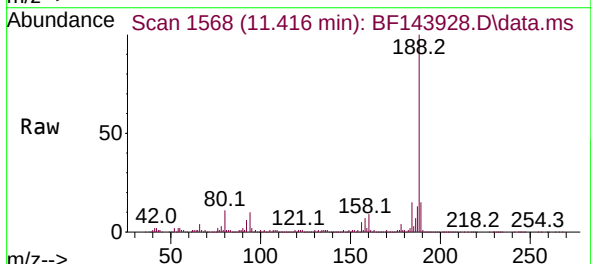
Tgt Ion: 77 Resp: 654068
Ion Ratio Lower Upper
77 100
182 29.8 7.3 47.3
105 27.2 3.0 43.0
51 33.1 13.5 53.5

Manual Integrations
APPROVED

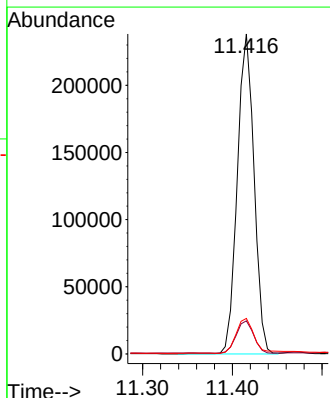
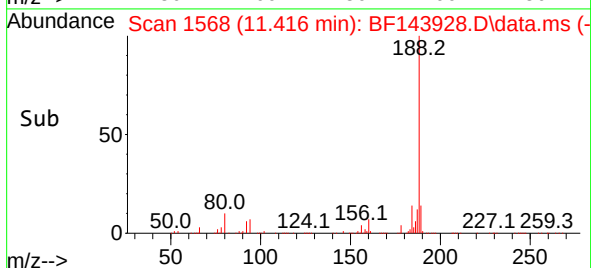
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

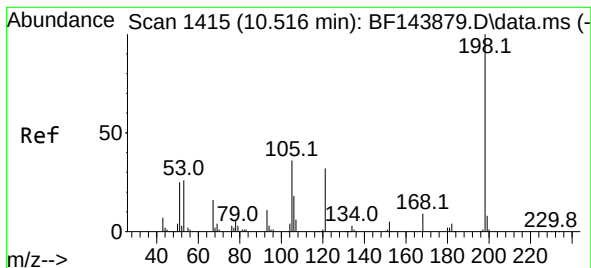


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



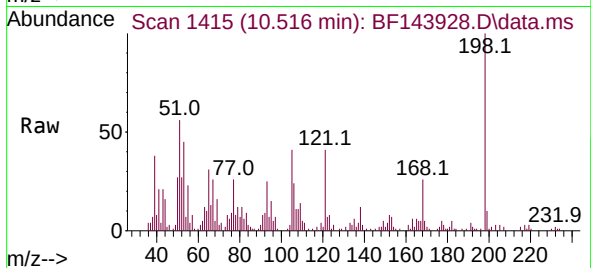
Tgt Ion:188 Resp: 308746
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.1 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 13.688 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

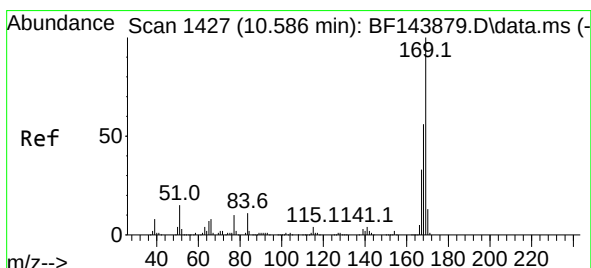
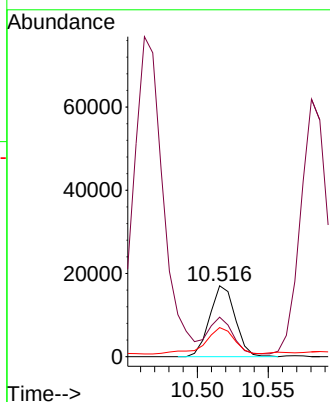
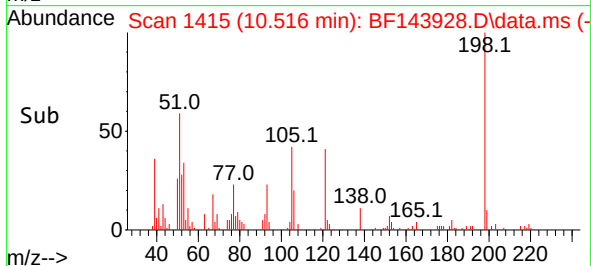
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



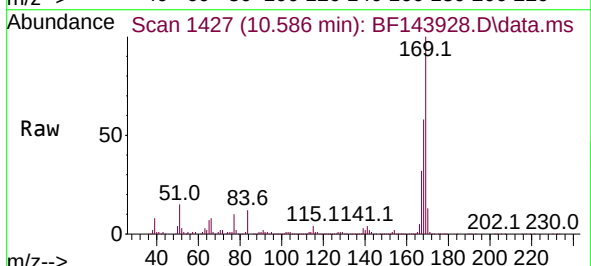
Tgt Ion:198 Resp: 21237
Ion Ratio Lower Upper
198 100
51 55.8 33.8 73.8
105 41.1 17.0 57.0

Manual Integrations
APPROVED

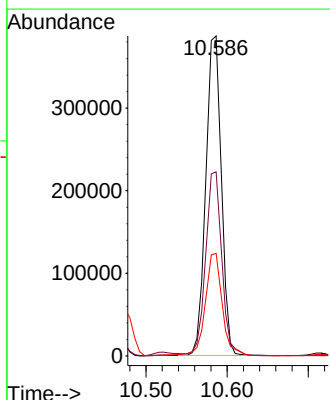
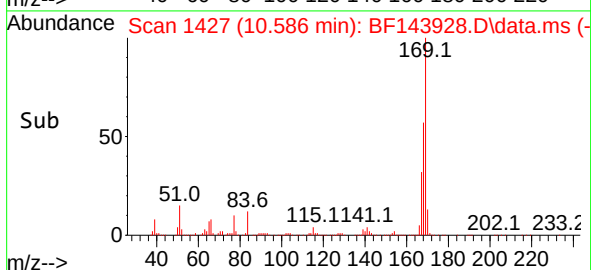
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

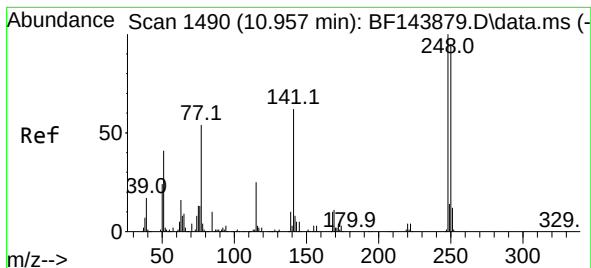


#66
n-Nitrosodiphenylamine
Concen: 53.198 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



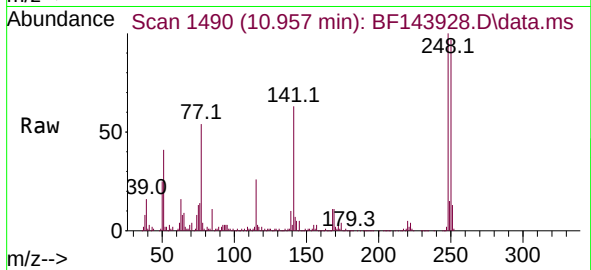
Tgt Ion:169 Resp: 515716
Ion Ratio Lower Upper
169 100
168 57.5 44.9 67.3
167 32.0 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 50.316 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

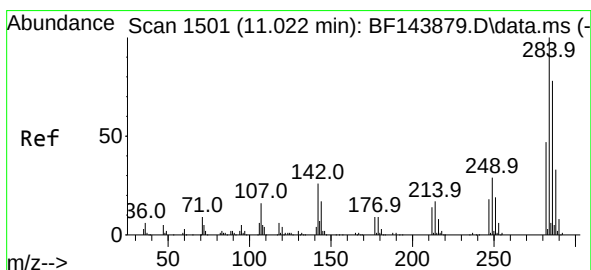
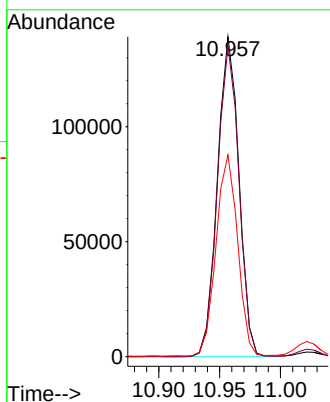
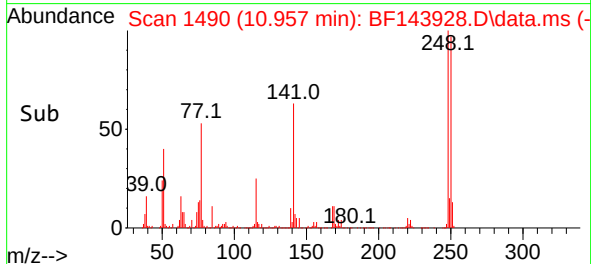
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



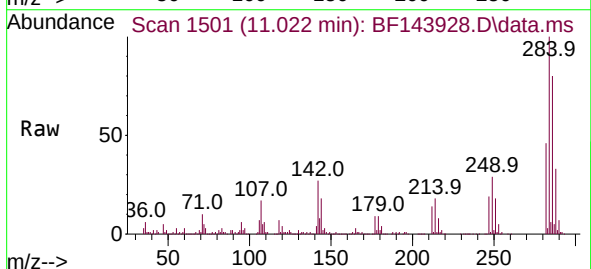
Tgt Ion:248 Resp: 171684
Ion Ratio Lower Upper
248 100
250 97.1 76.3 114.5
141 63.0 49.7 74.5

Manual Integrations
APPROVED

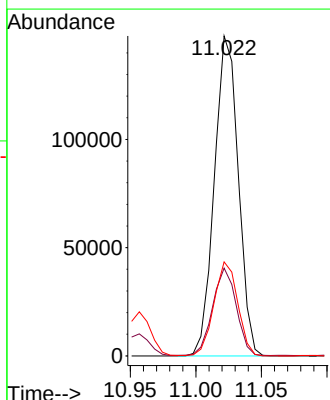
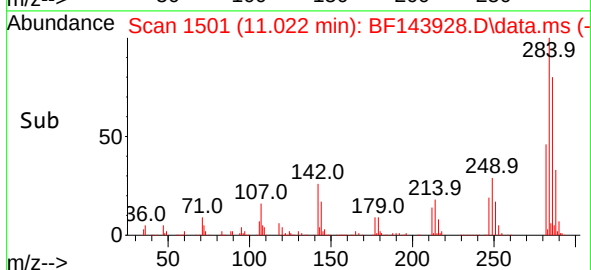
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

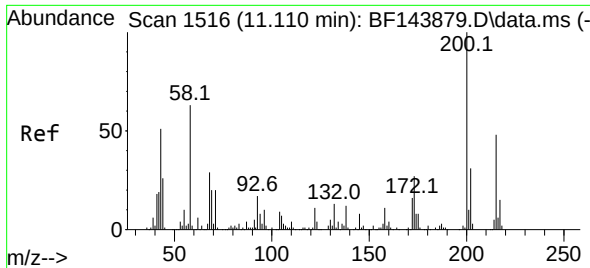


#68
Hexachlorobenzene
Concen: 47.606 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



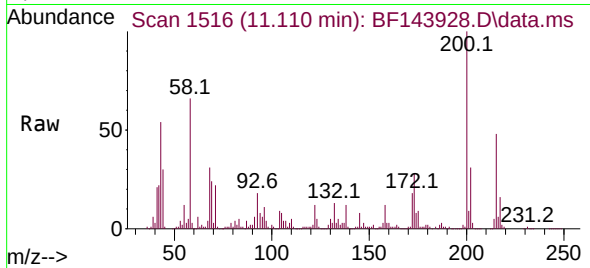
Tgt Ion:284 Resp: 188054
Ion Ratio Lower Upper
284 100
142 27.4 20.6 30.8
249 29.4 23.2 34.8





#69
 Atrazine
 Concen: 52.947 ng
 RT: 11.110 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49

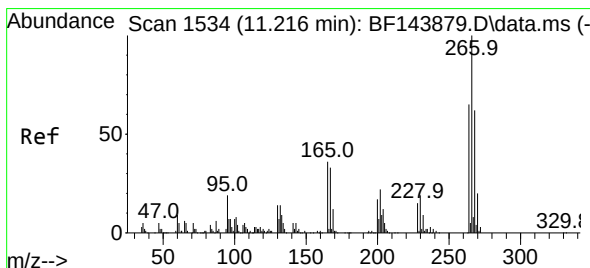
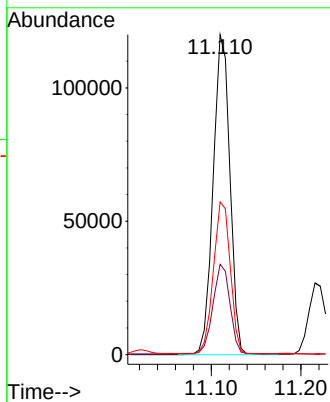
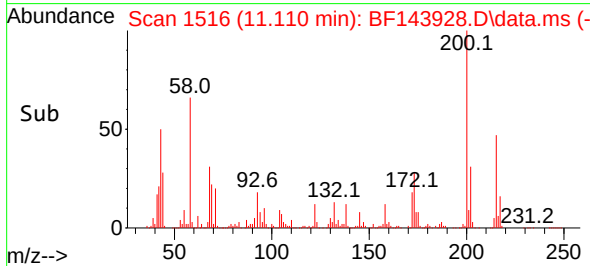
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS



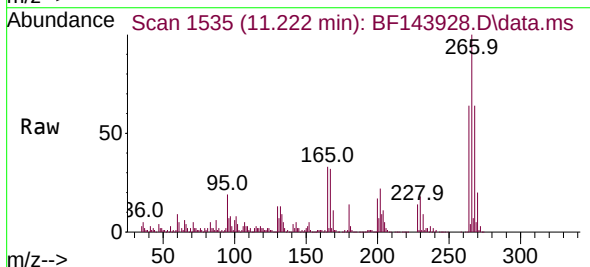
Tgt Ion:200 Resp: 155574
 Ion Ratio Lower Upper
 200 100
 173 28.2 7.0 47.0
 215 47.7 27.8 67.8

Manual Integrations
 APPROVED

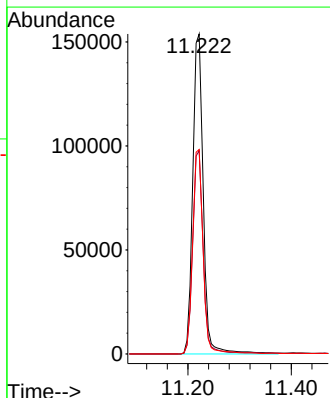
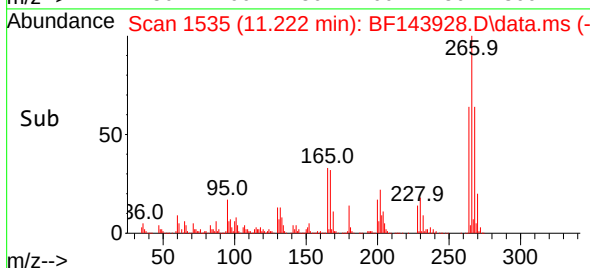
Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

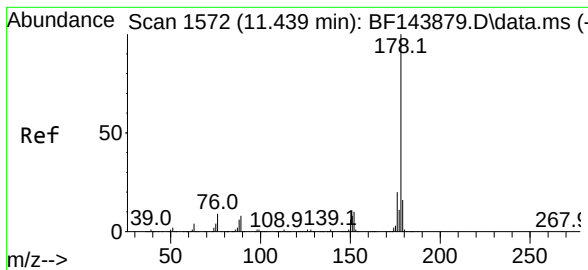


#70
 Pentachlorophenol
 Concen: 95.798 ng
 RT: 11.222 min Scan# 1535
 Delta R.T. 0.000 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49



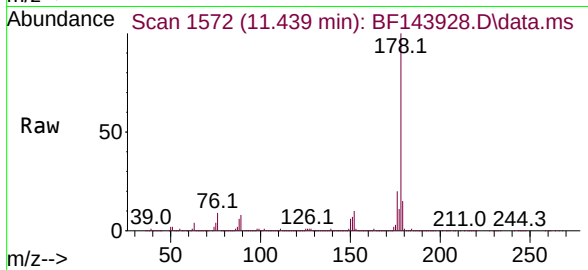
Tgt Ion:266 Resp: 217340
 Ion Ratio Lower Upper
 266 100
 268 63.5 49.4 74.0
 264 63.9 51.8 77.6





#71
 Phenanthrene
 Concen: 75.417 ng
 RT: 11.439 min Scan# 1572
 Delta R.T. -0.006 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49

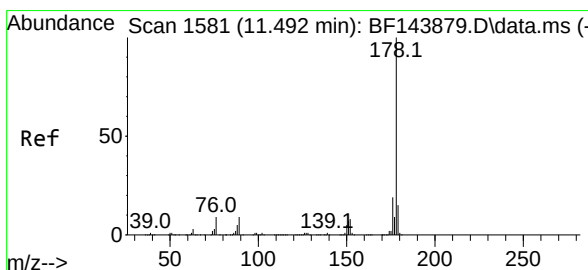
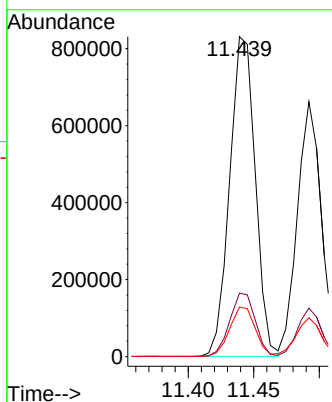
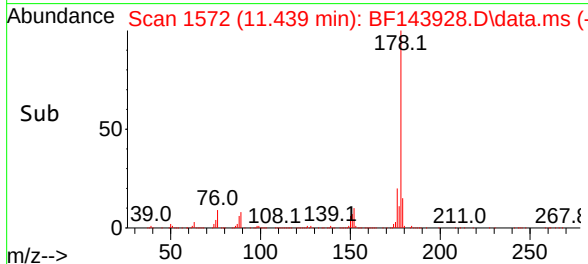
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS



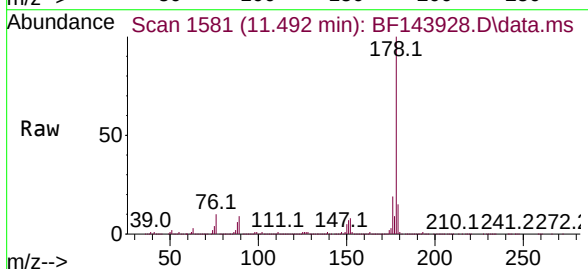
Tgt Ion:178 Resp: 1128850
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.9 23.9
 179 15.5 12.4 18.6

Manual Integrations
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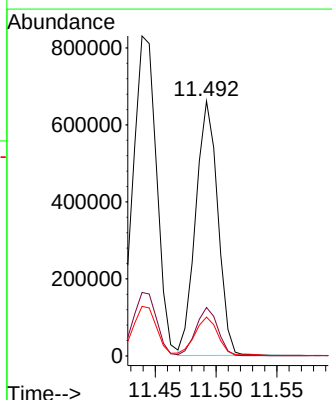
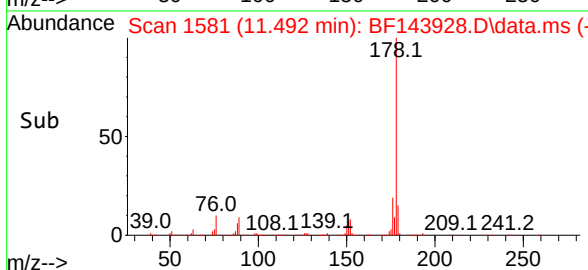
Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

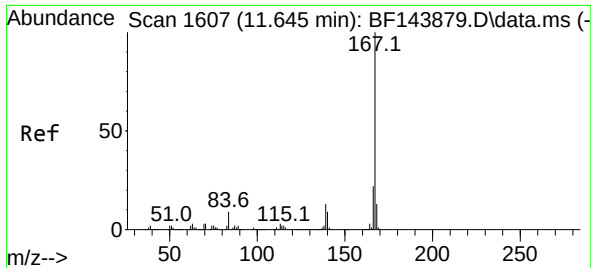


#72
 Anthracene
 Concen: 55.112 ng
 RT: 11.492 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49



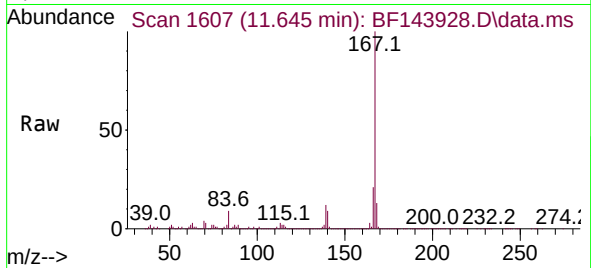
Tgt Ion:178 Resp: 833372
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 15.2 12.2 18.2





#73
 Carbazole
 Concen: 55.225 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49

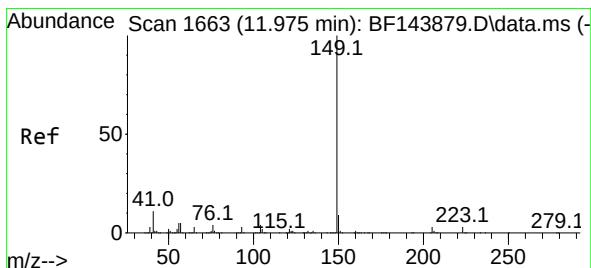
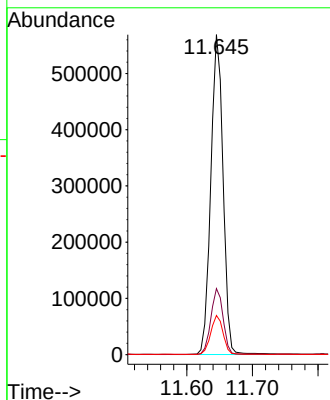
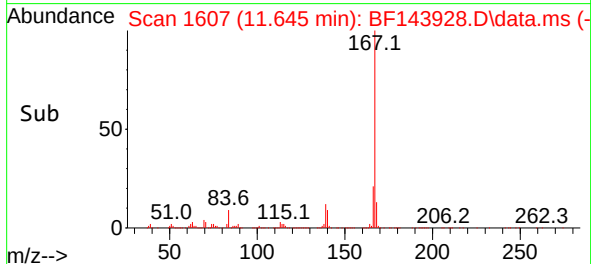
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS



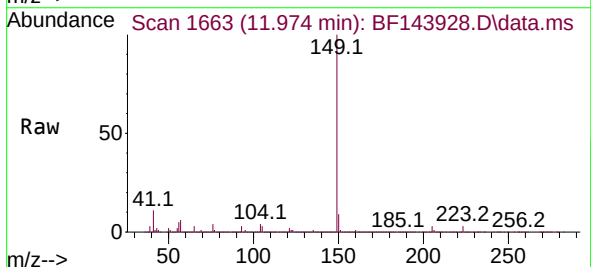
Tgt Ion:167 Resp: 739600
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.2 25.8
 139 12.2 10.1 15.1

Manual Integrations
 APPROVED

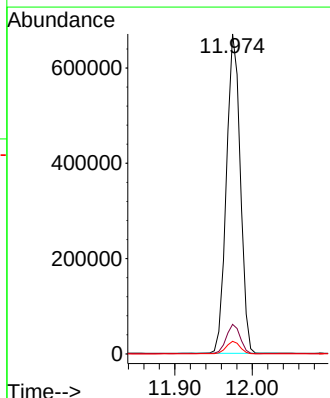
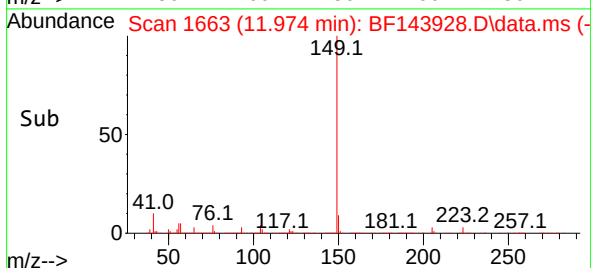
Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

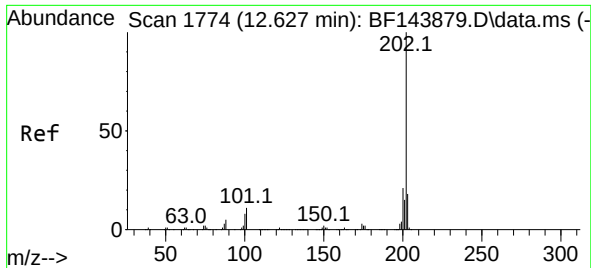


#74
 Di-n-butylphthalate
 Concen: 53.855 ng
 RT: 11.974 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF143928.D
 Acq: 10 Oct 2025 16:49



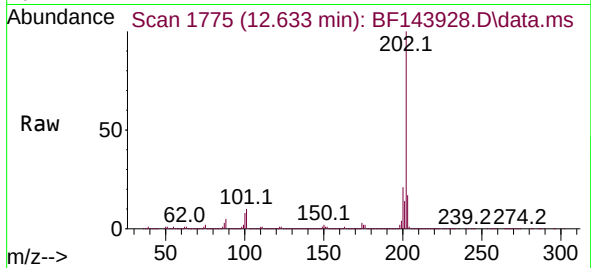
Tgt Ion:149 Resp: 835911
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 3.9 3.4 5.2





#75
Fluoranthene
Concen: 87.019 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

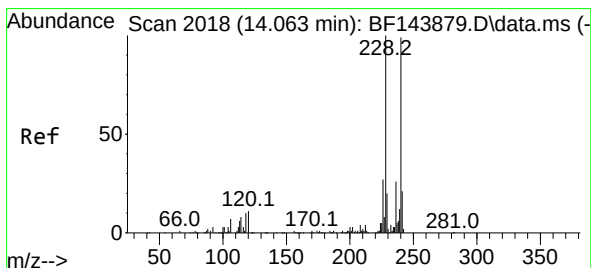
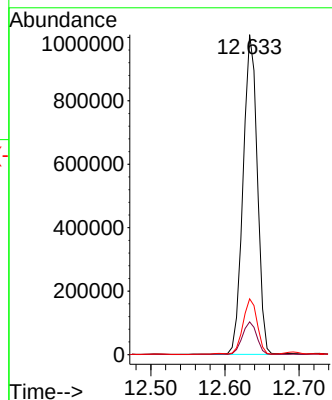
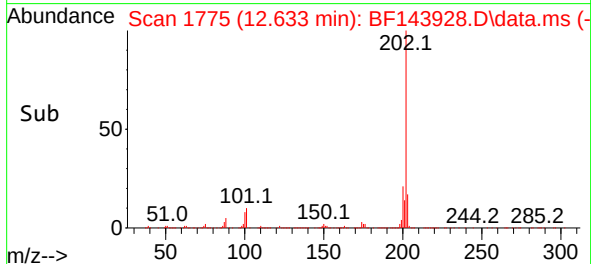
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



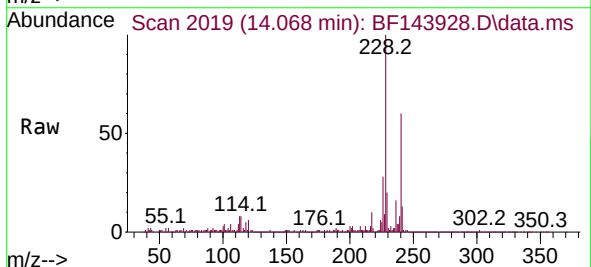
Tgt Ion:202 Resp: 1345400
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
APPROVED

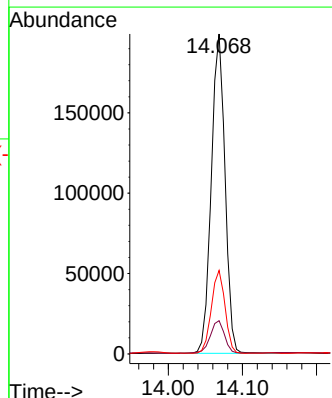
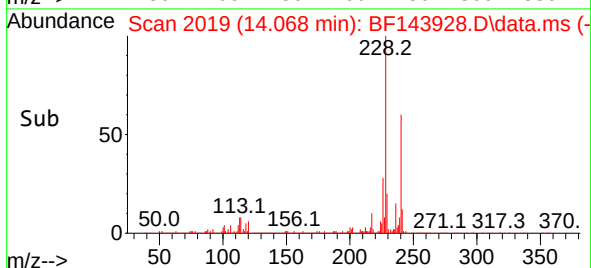
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

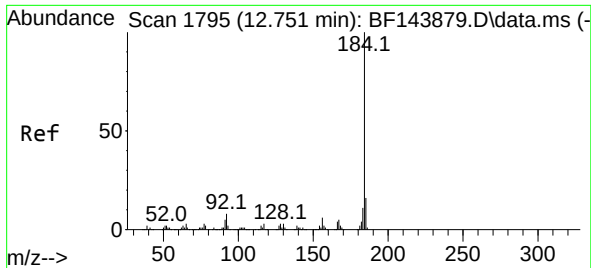


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



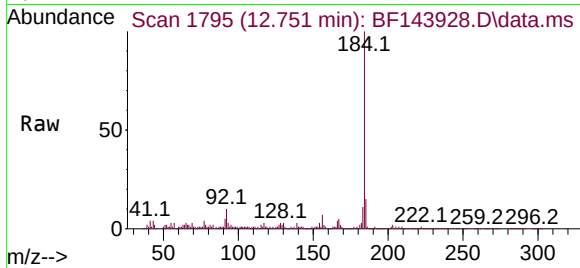
Tgt Ion:240 Resp: 255306
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 26.1 21.1 31.7





#77
Benzidine
Concen: 29.437 ng
RT: 12.751 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

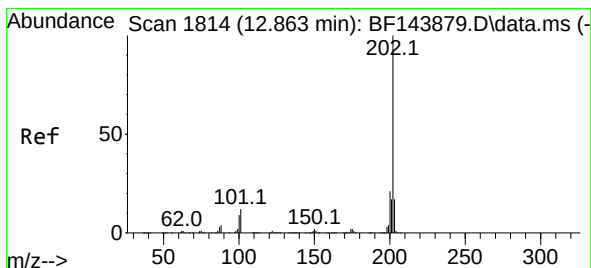
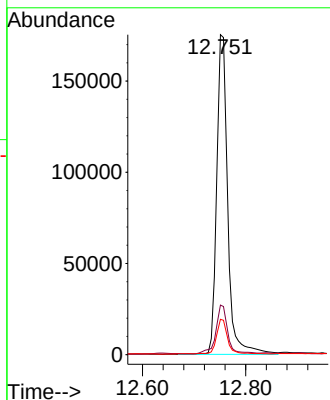
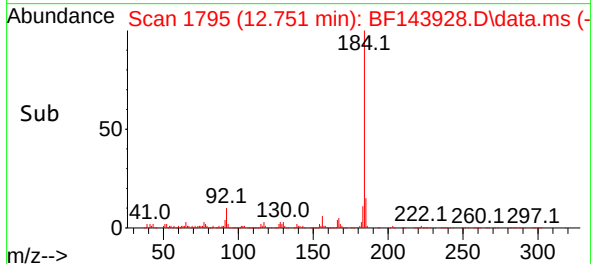
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



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

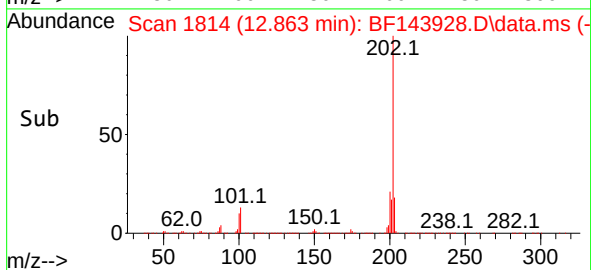
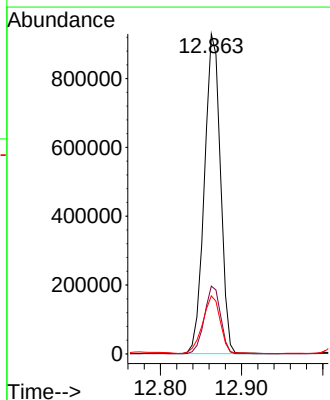
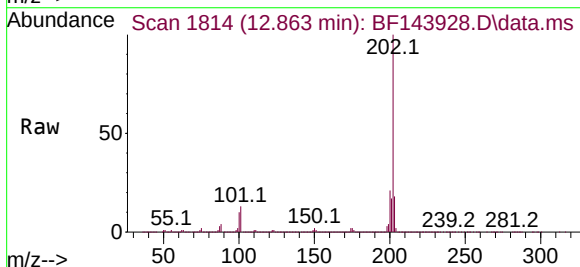
Manual Integrations
APPROVED

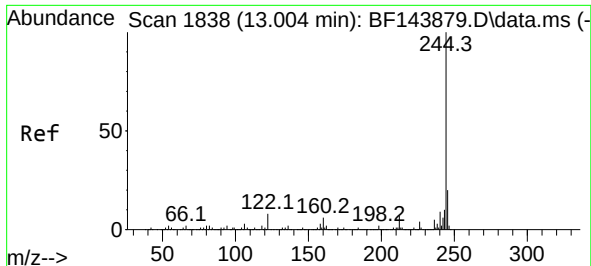
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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





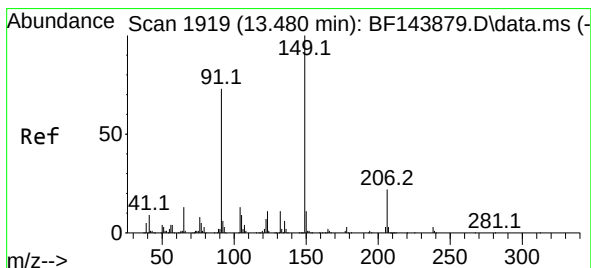
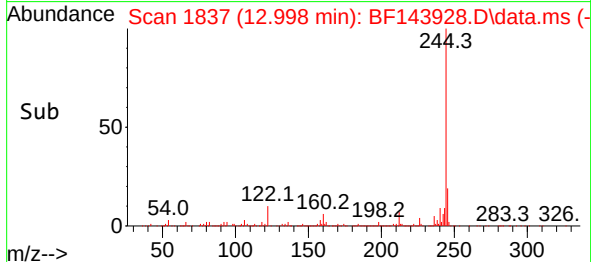
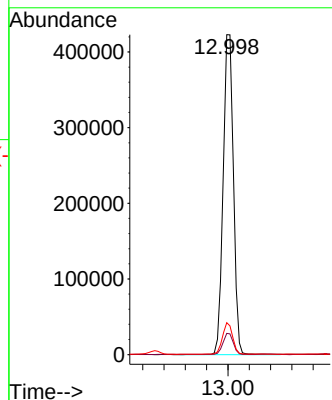
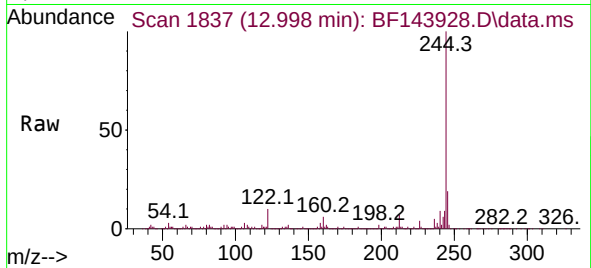
#79
Terphenyl-d14
Concen: 37.758 ng
RT: 12.998 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Tgt Ion:244 Resp: 564040
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.0 6.4 9.6

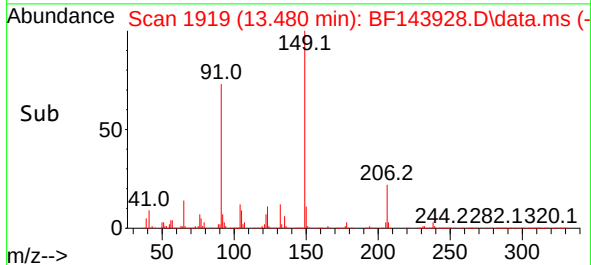
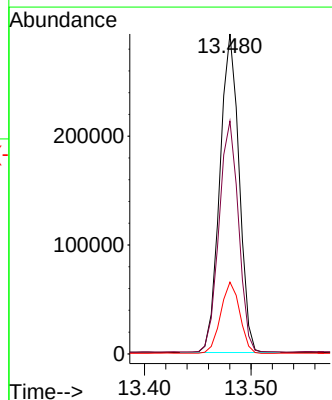
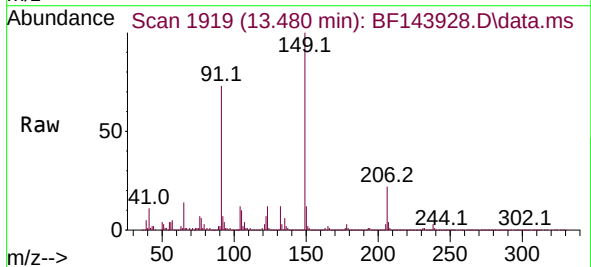
Manual Integrations
APPROVED

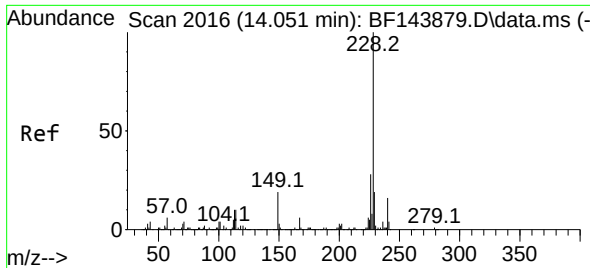
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

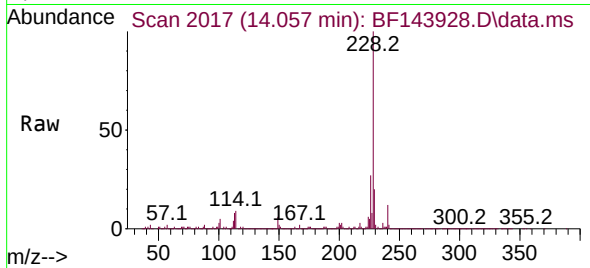
Tgt Ion:149 Resp: 368922
Ion Ratio Lower Upper
149 100
91 72.7 58.2 87.2
206 22.4 17.9 26.9





#81
Benzo(a)anthracene
Concen: 68.405 ng
RT: 14.057 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

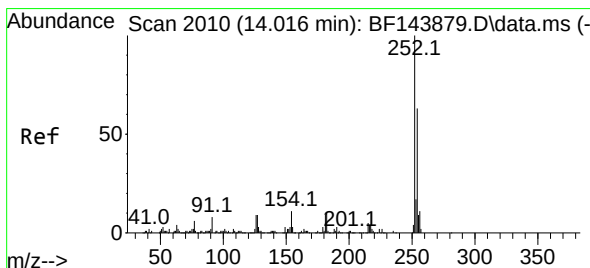
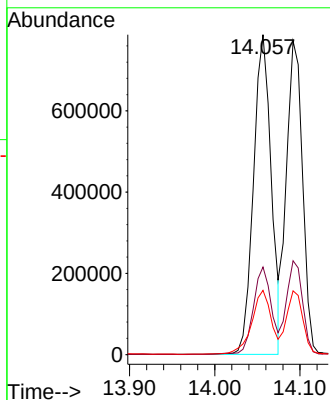
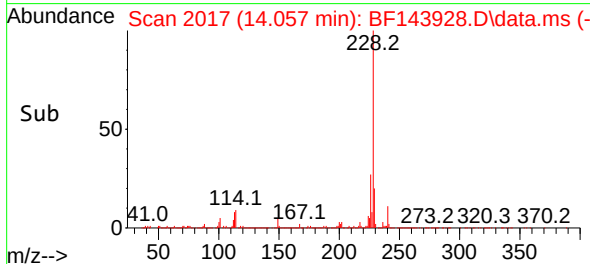
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



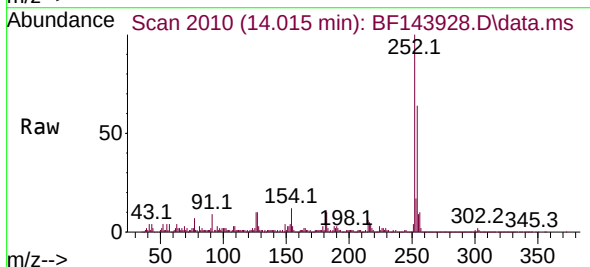
Tgt Ion:228 Resp: 1142872
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.2
229 20.1 15.6 23.4

Manual Integrations
APPROVED

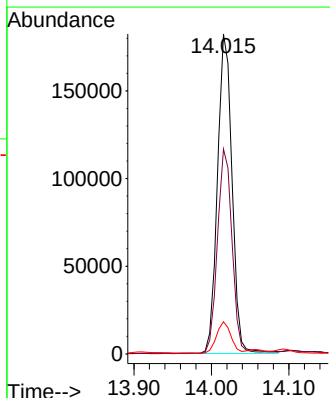
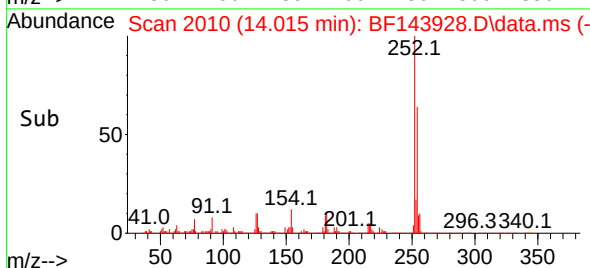
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

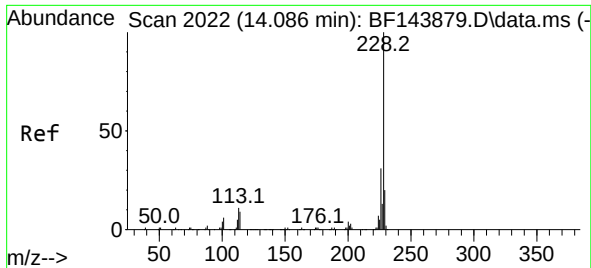


#82
3,3'-Dichlorobenzidine
Concen: 46.826 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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





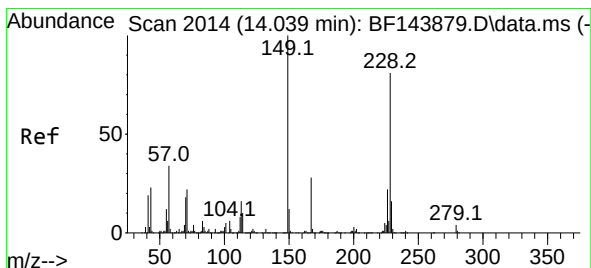
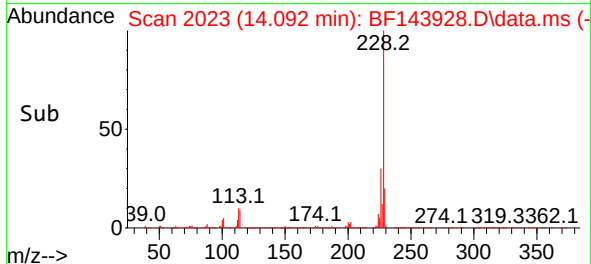
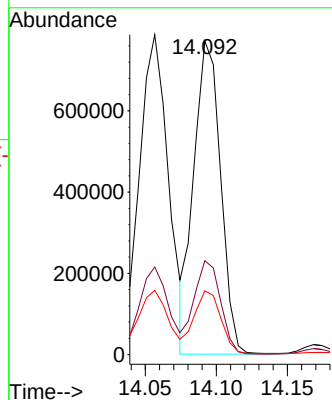
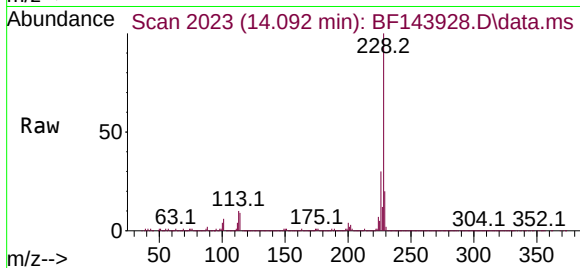
#83
Chrysene
Concen: 65.399 ng
RT: 14.092 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Tgt Ion:228 Resp: 1011269
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 20.3 15.9 23.9

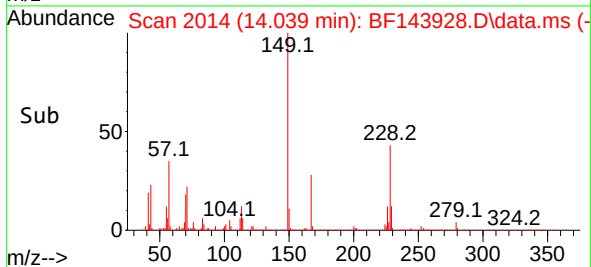
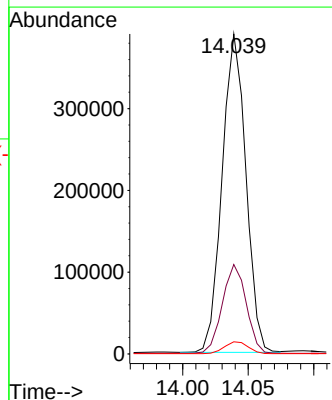
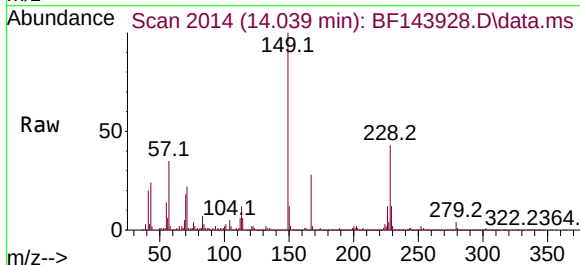
Manual Integrations
APPROVED

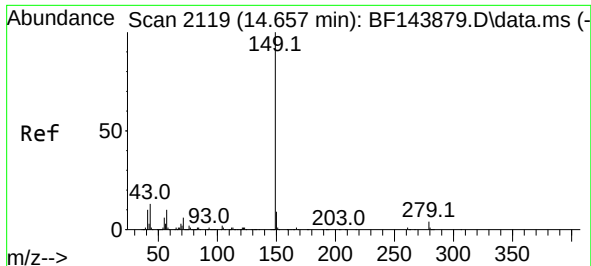
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

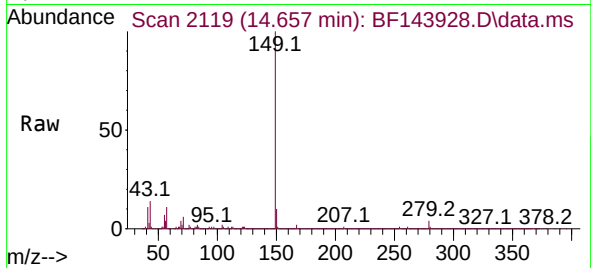
Tgt Ion:149 Resp: 491915
Ion Ratio Lower Upper
149 100
167 27.9 22.2 33.4
279 3.8 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 65.348 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49

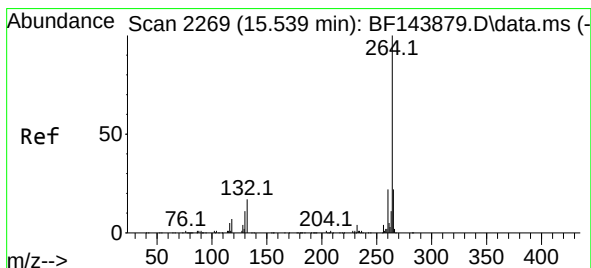
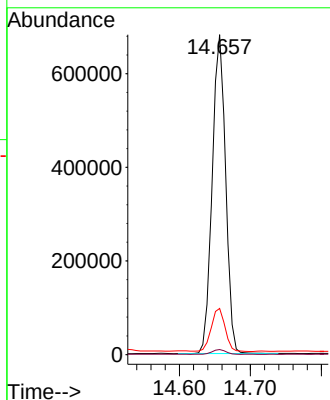
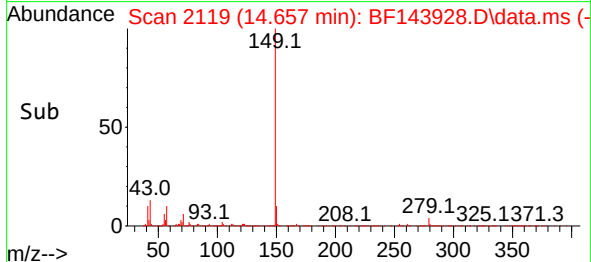
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS



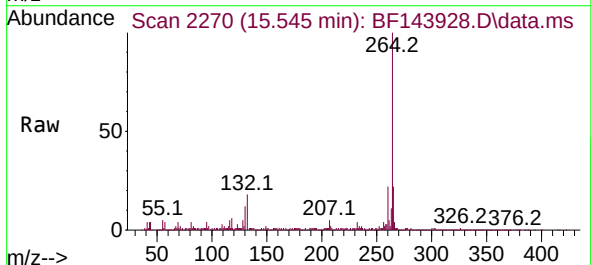
Tgt Ion:149 Resp: 894352
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.8 11.0 16.4

Manual Integrations
APPROVED

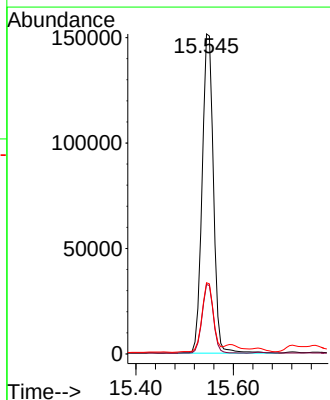
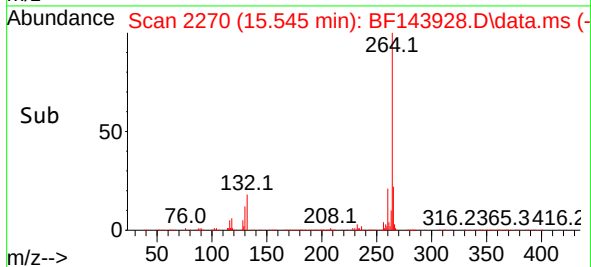
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

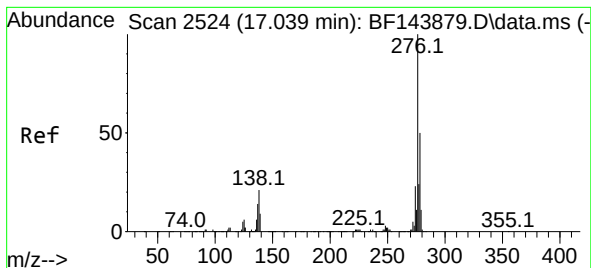


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143928.D
Acq: 10 Oct 2025 16:49



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# 2197

Delta R.T. -0.006 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

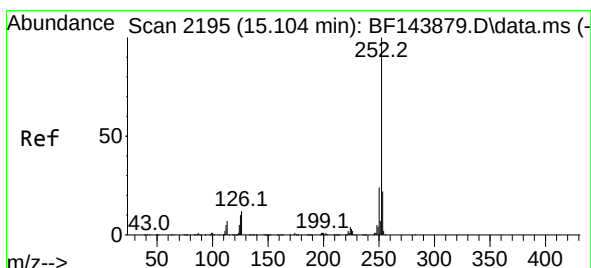
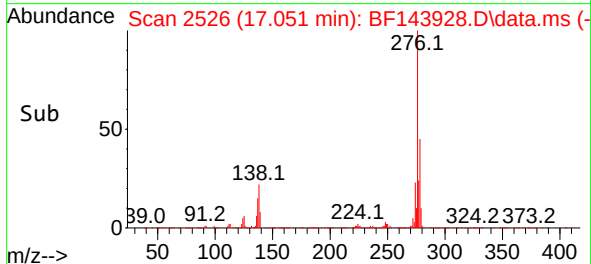
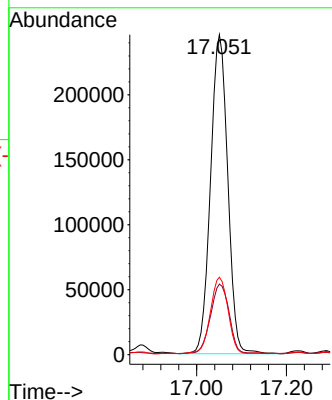
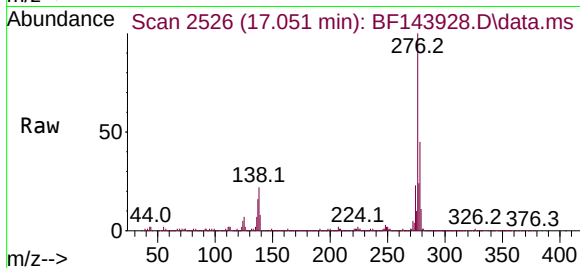
ClientSampleId :

SS-01-0-1MS

Tgt Ion:	276	Resp:	653150
Ion Ratio	Lower	Upper	
276	100		
138	23.7	18.2	27.2
277	24.3	19.8	29.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#88

Benzo(b)fluoranthene

Concen: 78.601 ng

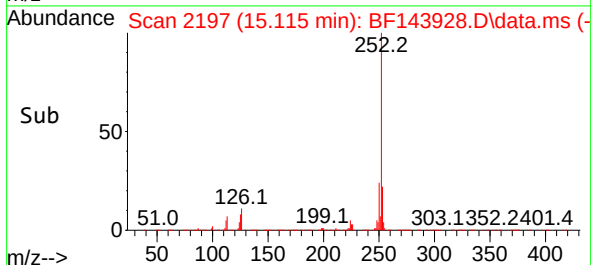
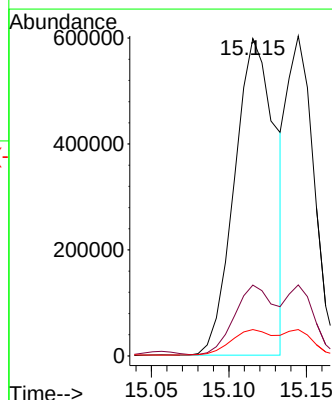
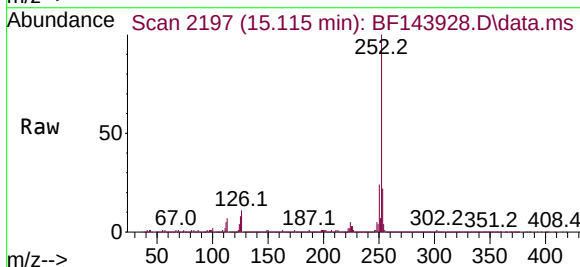
RT: 15.115 min Scan# 2197

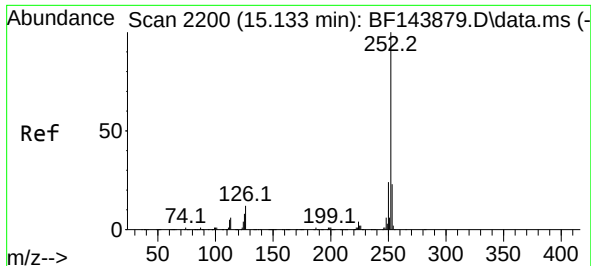
Delta R.T. 0.000 min

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# 2200

Delta R.T. 0.000 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MS

Tgt Ion:252 Resp: 718216

Ion Ratio Lower Upper

252 100

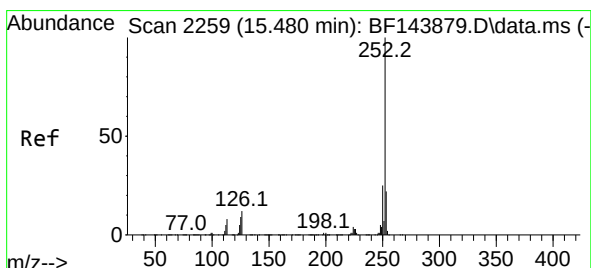
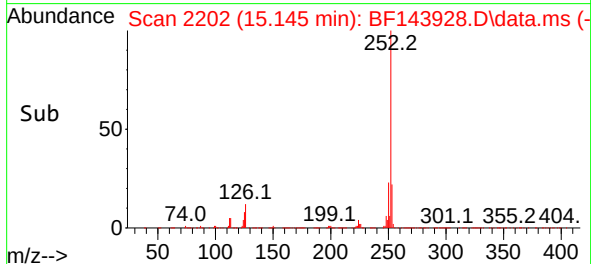
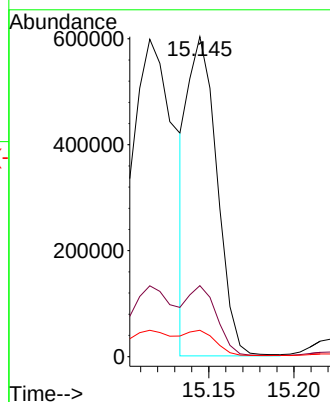
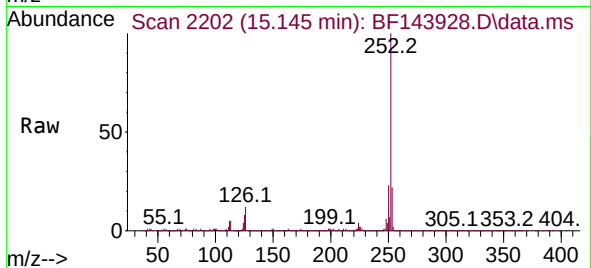
253 22.2 17.8 26.8

125 8.2 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#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

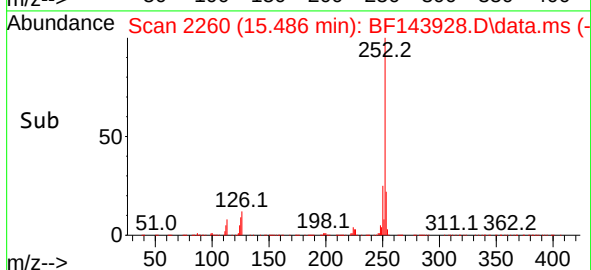
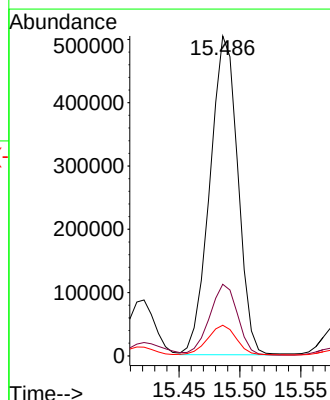
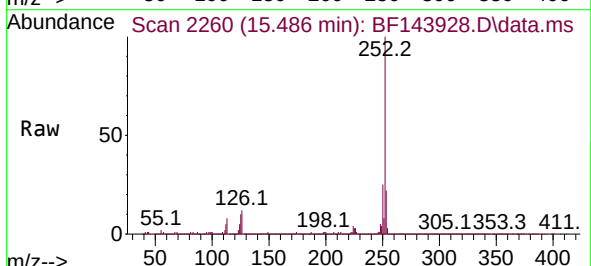
Tgt Ion:252 Resp: 805657

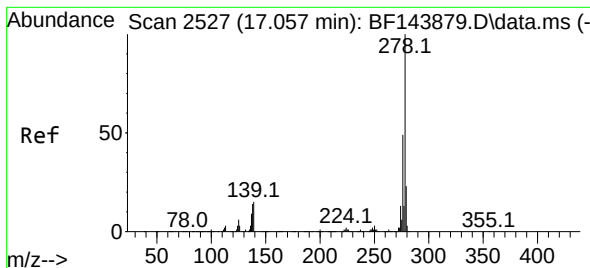
Ion Ratio Lower Upper

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# 2527

Delta R.T. -0.012 min

Lab File: BF143928.D

Acq: 10 Oct 2025 16:49

Instrument :

BNA_F

ClientSampleId :

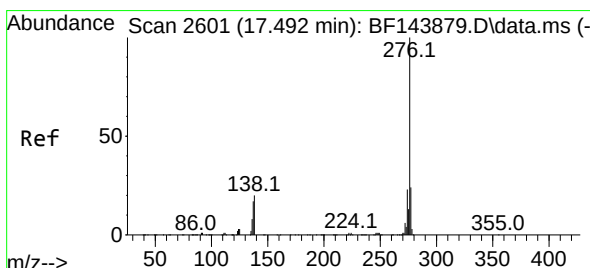
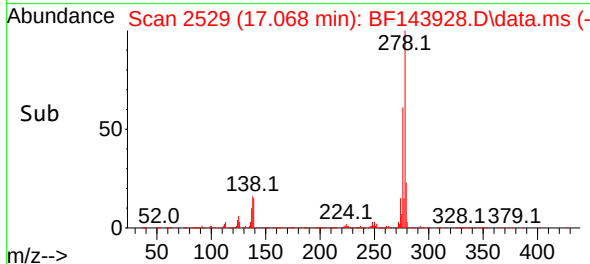
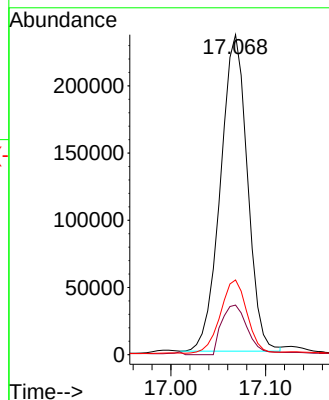
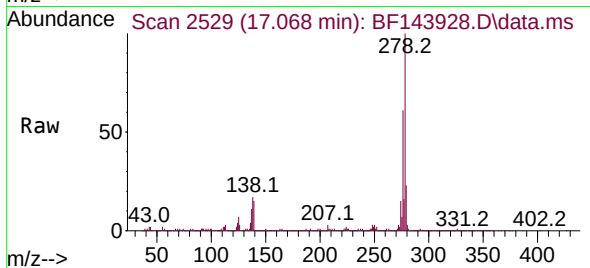
SS-01-0-1MS

Tgt Ion:	278	Resp:	466499
Ion Ratio	Lower	Upper	
278	100		
139	15.5	11.7	17.5
279	23.3	18.4	27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#92

Benzo(g,h,i)perylene

Concen: 42.695 ng

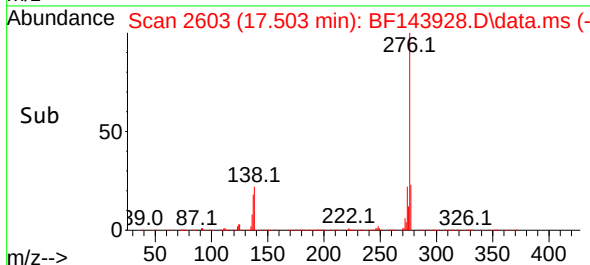
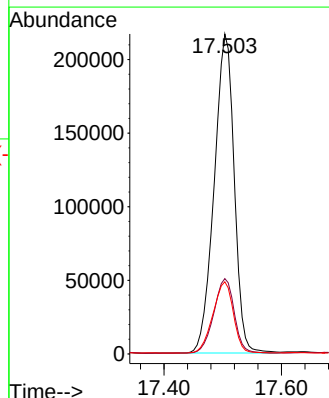
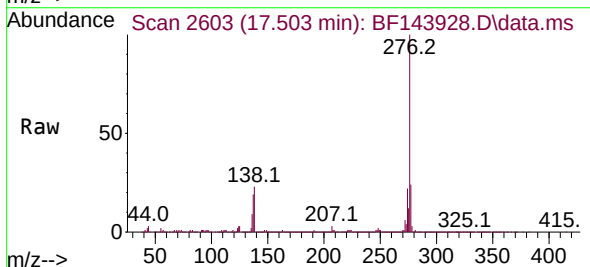
RT: 17.503 min Scan# 2603

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



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

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	% Solid: 65.3	
Sample Wt/Vol: 30.03 g	Test: SVOC-TCL BNA -20	
Prep Method: SW3541		
Level: LOW		
Final Vol: 1000 uL		
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

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

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	% Solid:	65.3
	Level : LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL
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

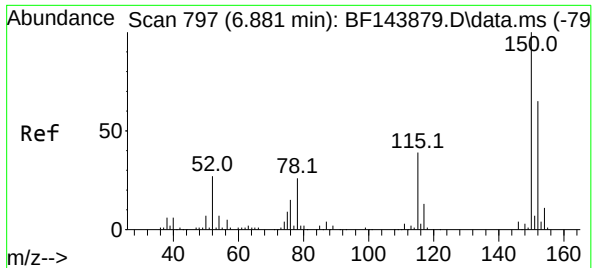
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	202113	45.881	ng	99
46) 1,1'-Biphenyl	9.345	154	739365	54.100	ng	98
47) 2-Chloronaphthalene	9.369	162	547343	48.035	ng	98
48) 2-Nitroaniline	9.463	65	195519	54.273	ng	98
49) Acenaphthylene	9.786	152	842706	52.605	ng	100
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

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

- 1
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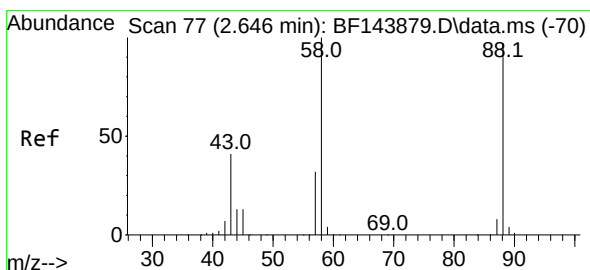
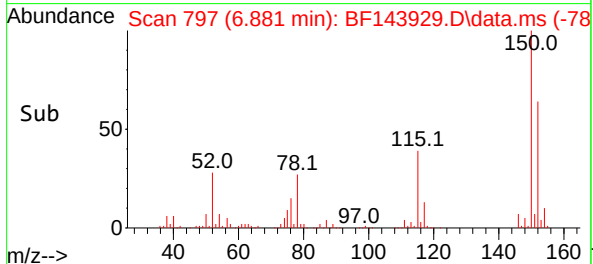
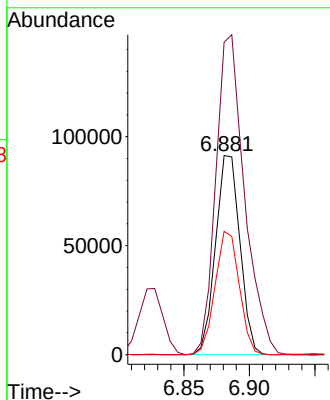
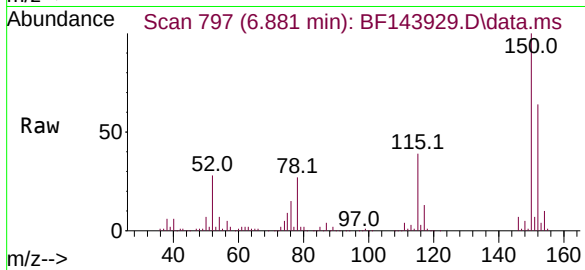




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

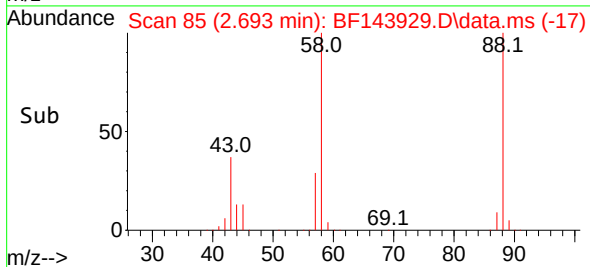
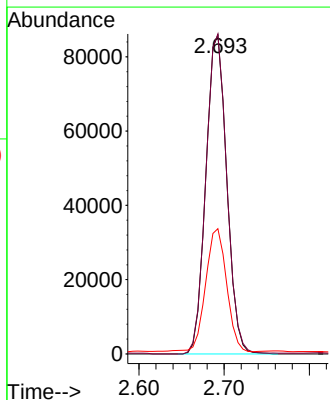
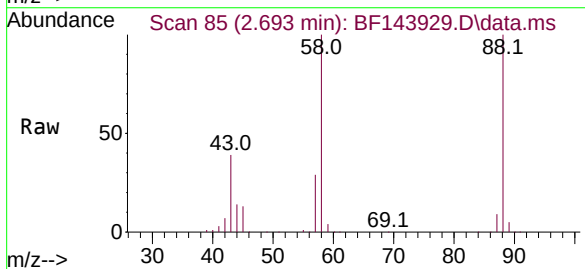
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

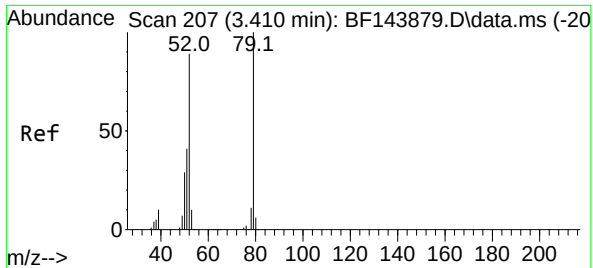
Tgt Ion:152 Resp: 118400
Ion Ratio Lower Upper
152 100
150 156.8 124.4 186.6
115 61.9 48.1 72.1



#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

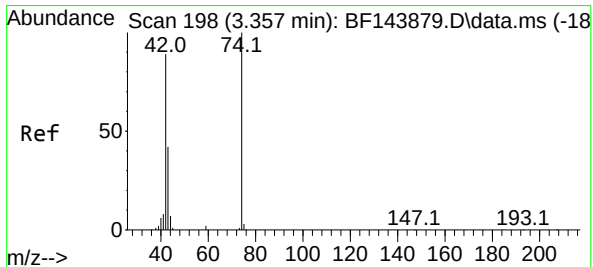
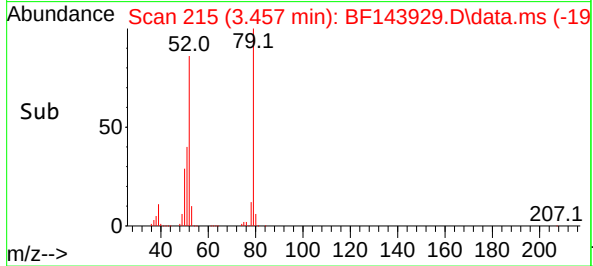
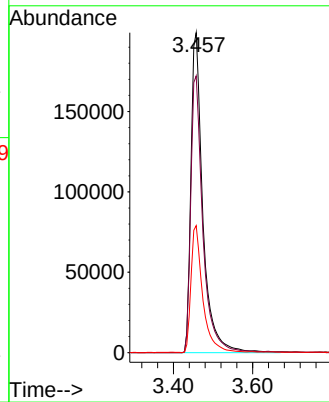
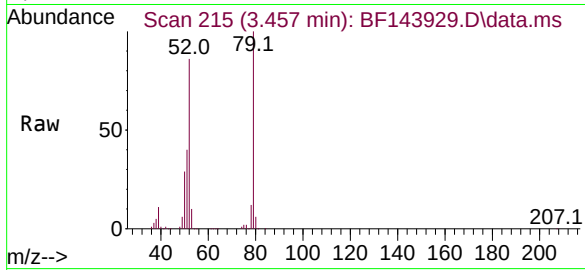




#3
Pyridine
Concen: 41.419 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

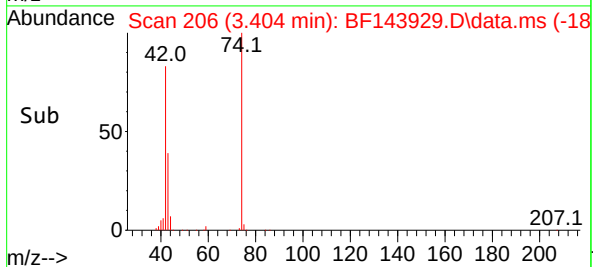
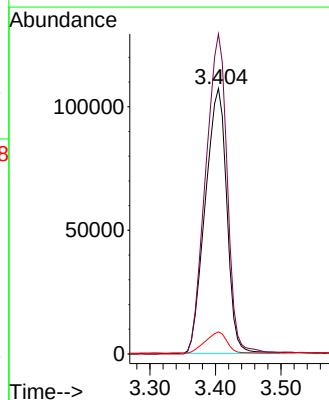
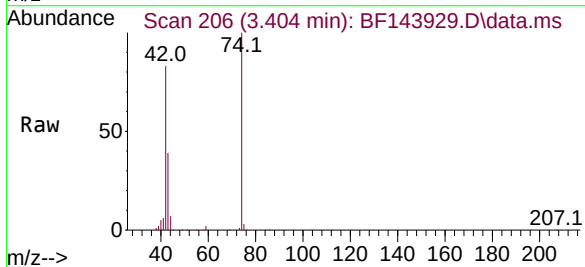
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

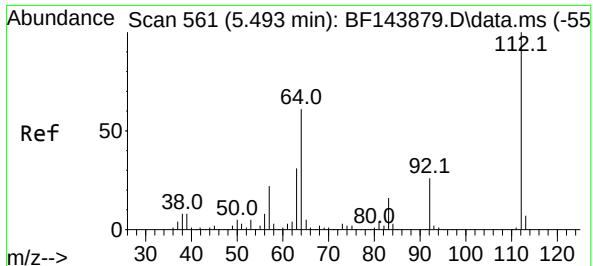
Tgt Ion: 79 Resp: 416024
Ion Ratio Lower Upper
79 100
52 86.5 71.5 107.3
51 39.7 32.9 49.3



#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

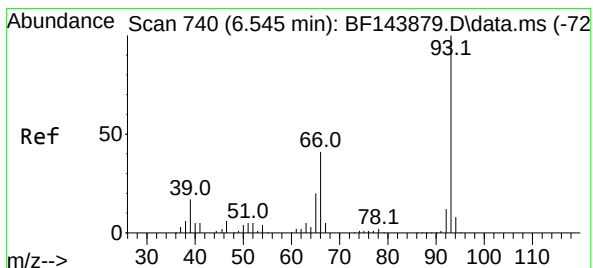
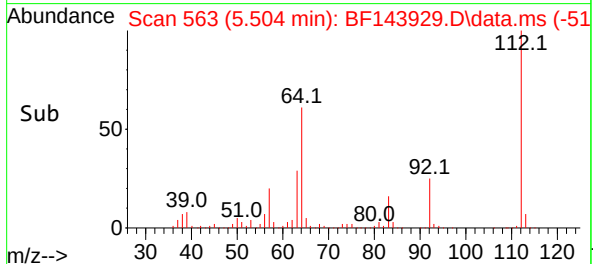
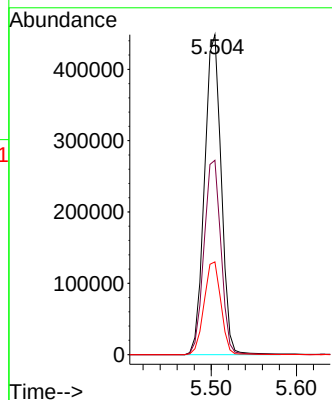
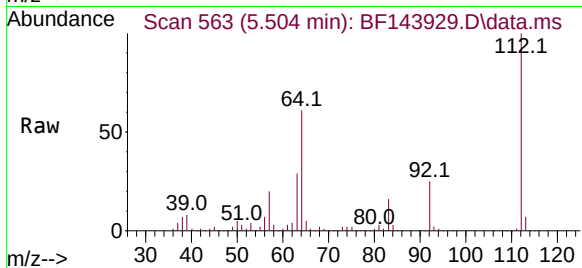




#5
2-Fluorophenol
Concen: 81.866 ng
RT: 5.504 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

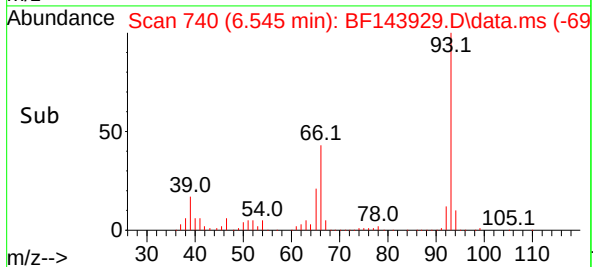
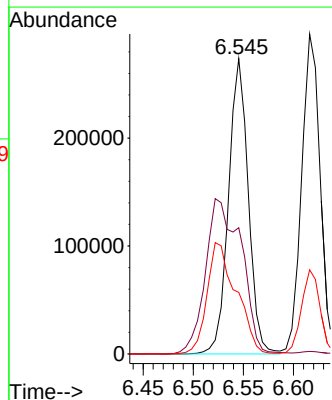
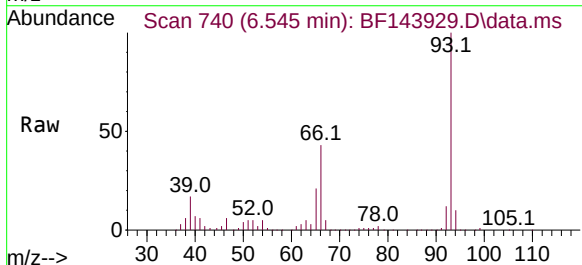
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

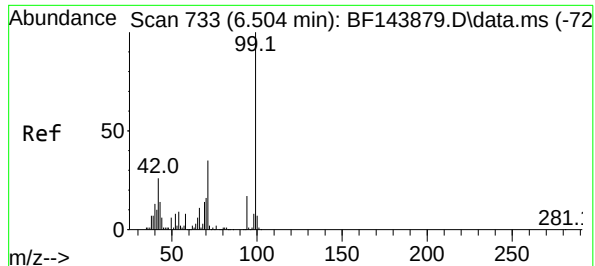
Tgt Ion:112 Resp: 610390
Ion Ratio Lower Upper
112 100
64 60.7 49.1 73.7
63 29.0 24.5 36.7



#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

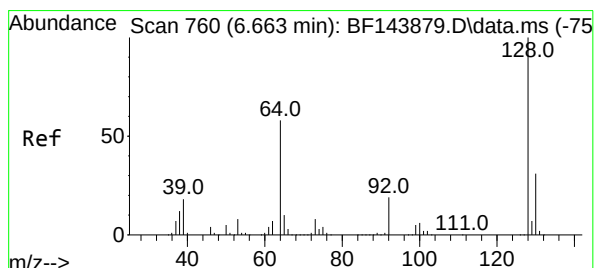
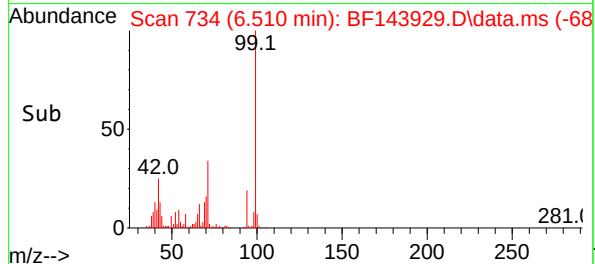
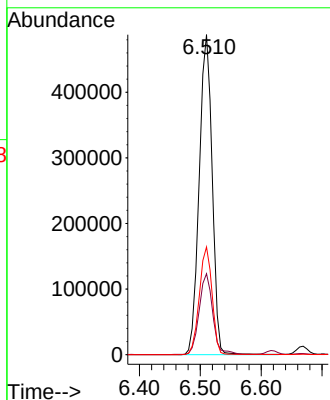
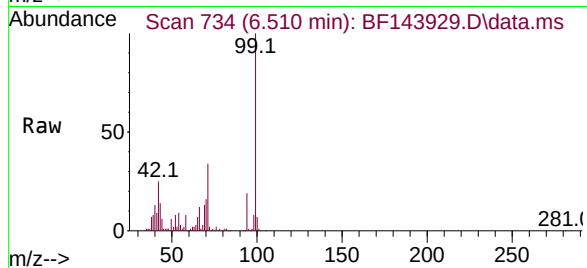




#7
Phenol-d6
Concen: 80.919 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

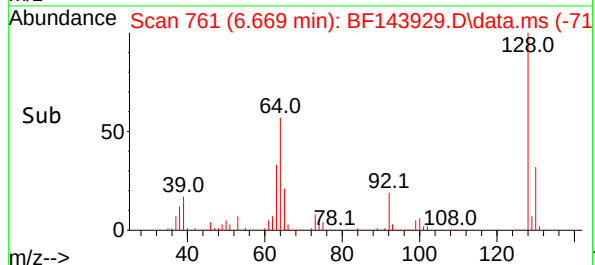
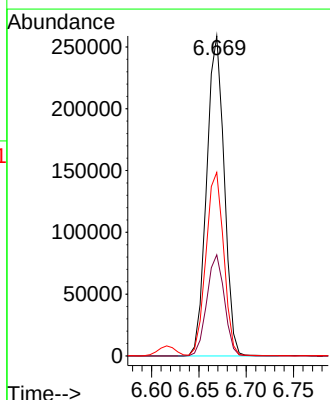
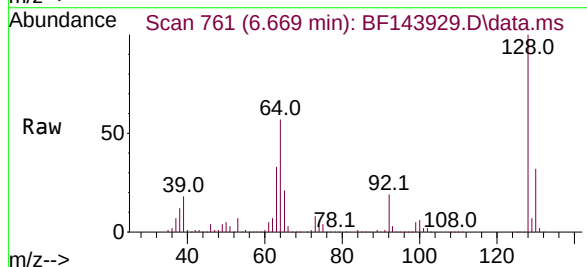
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

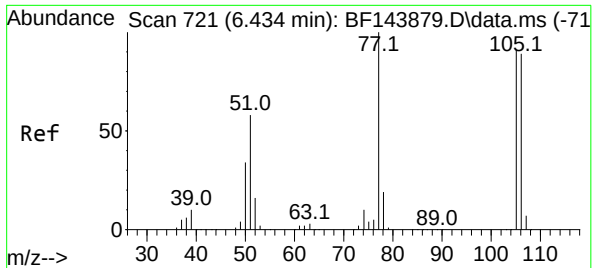
Tgt Ion: 99 Resp: 719140
Ion Ratio Lower Upper
99 100
42 25.3 21.0 31.4
71 33.6 27.8 41.8



#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# 71

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

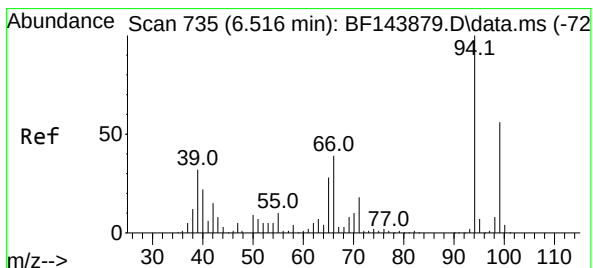
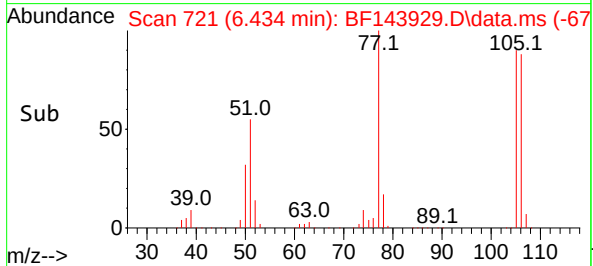
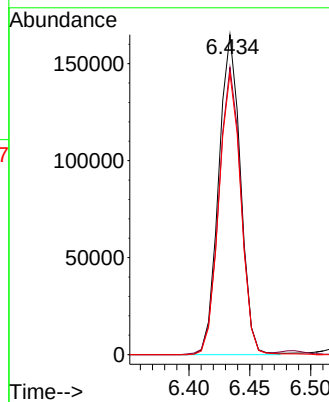
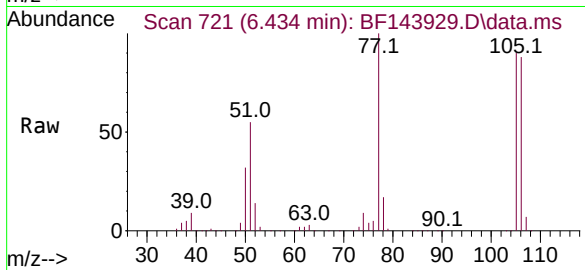
Tgt Ion: 77 Resp: 204688

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

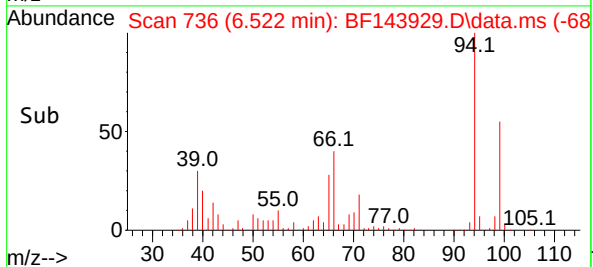
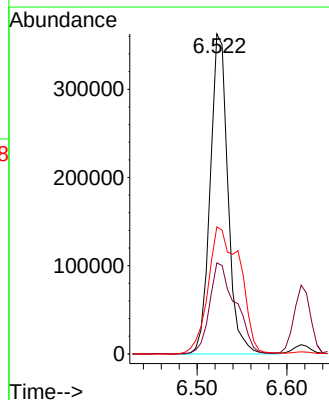
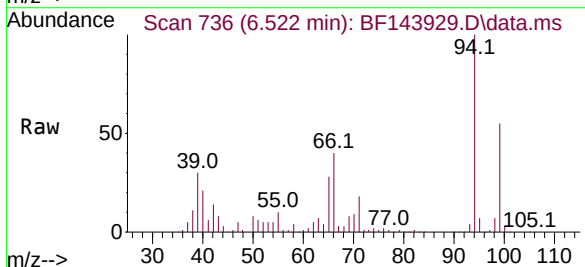
Tgt Ion: 94 Resp: 497367

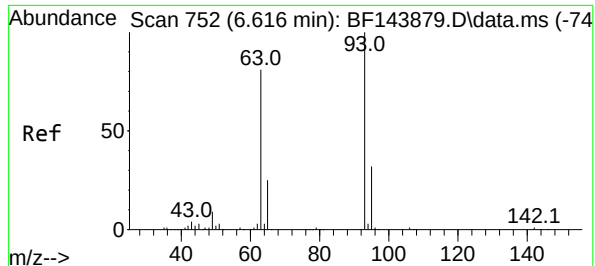
Ion Ratio Lower Upper

94 100

65 28.4 8.5 48.5

66 39.7 19.9 59.9

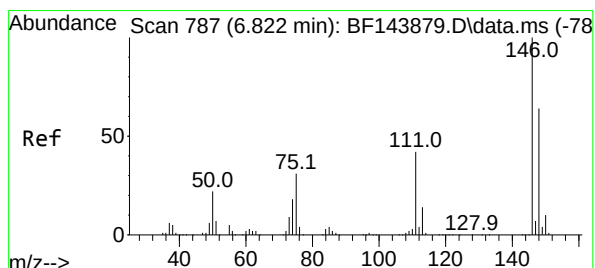
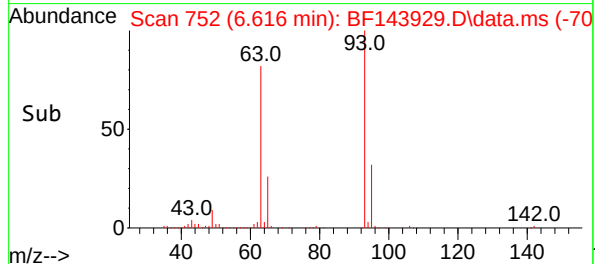
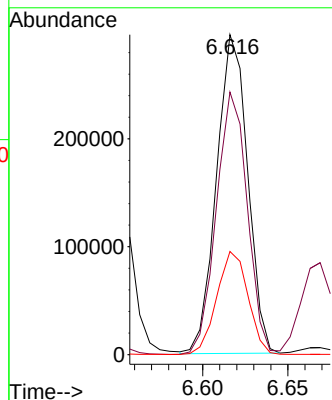
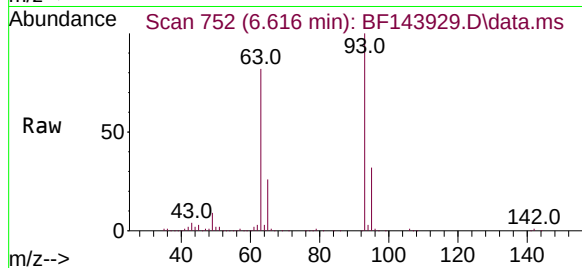




#11
bis(2-Chloroethyl)ether
Concen: 45.703 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

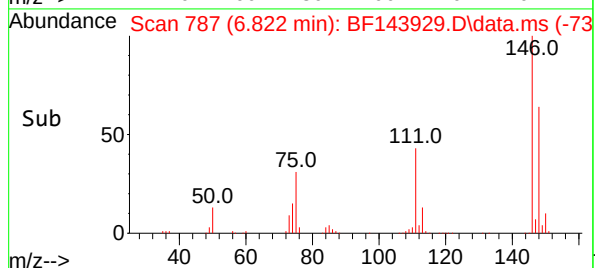
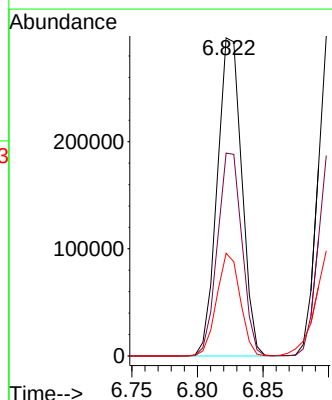
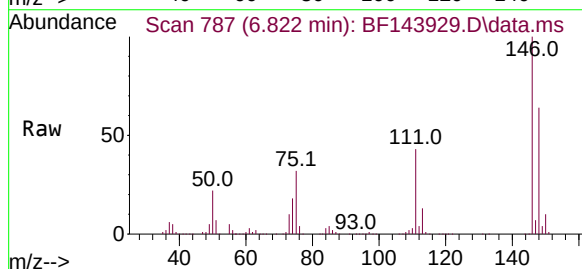
Instrument :
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ClientSampleId :
SS-01-0-1MSD

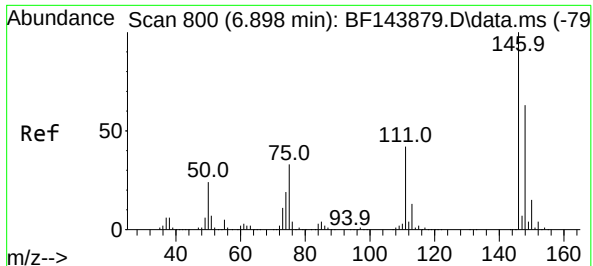
Tgt Ion: 93 Resp: 375103
Ion Ratio Lower Upper
93 100
63 82.0 60.9 100.9
95 32.2 11.5 51.5



#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# 801

Delta R.T. 0.000 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

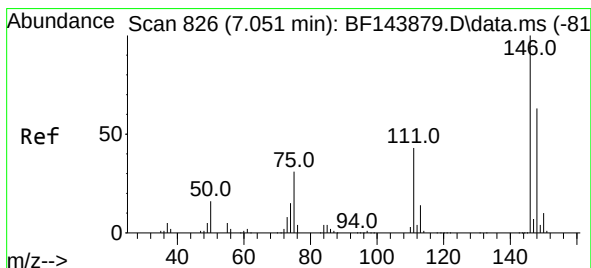
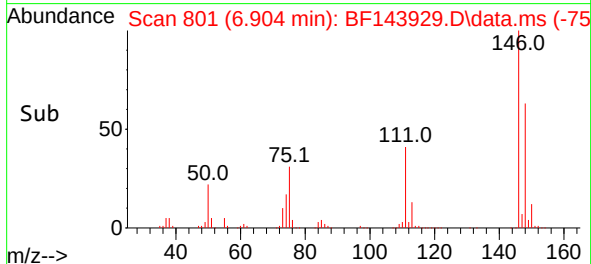
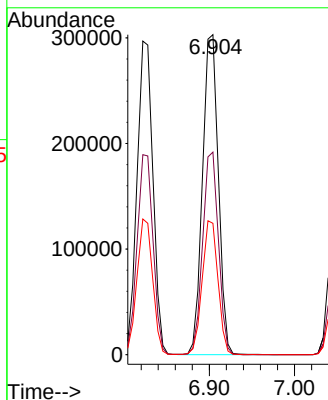
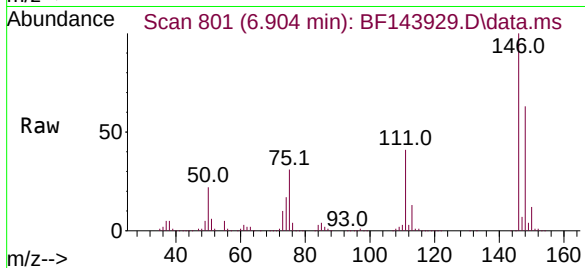
Tgt Ion:146 Resp: 391672

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

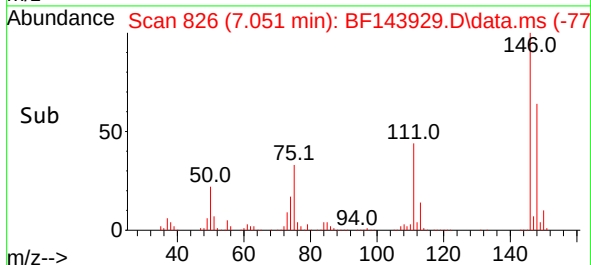
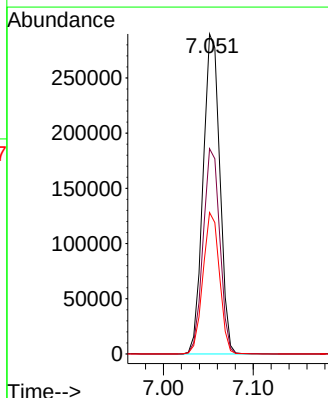
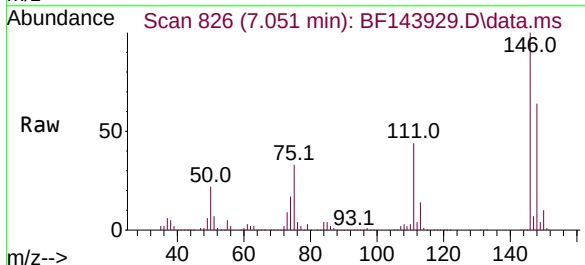
Tgt Ion:146 Resp: 375997

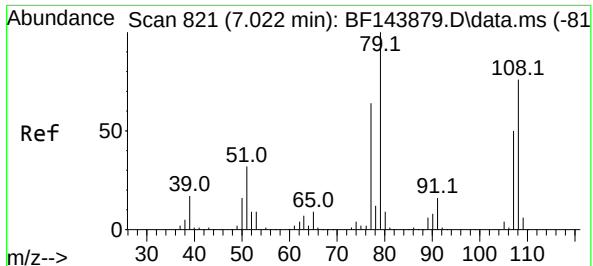
Ion Ratio Lower Upper

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# 821

Delta R.T. -0.012 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

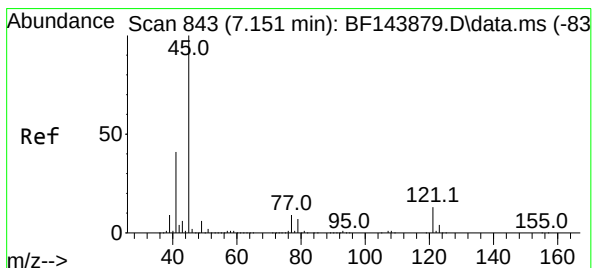
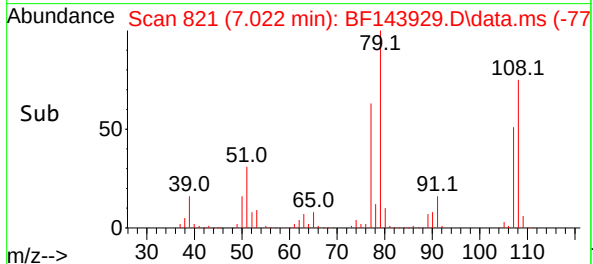
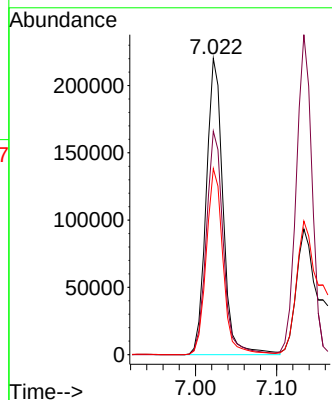
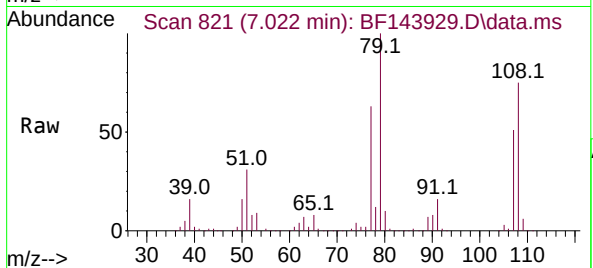
Tgt Ion: 79 Resp: 317470

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

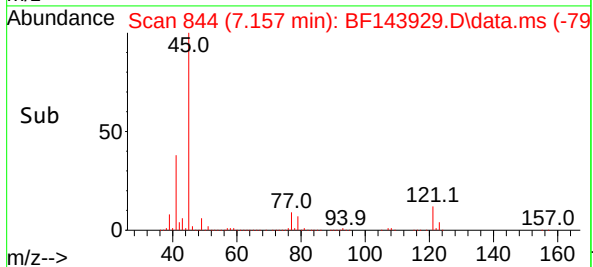
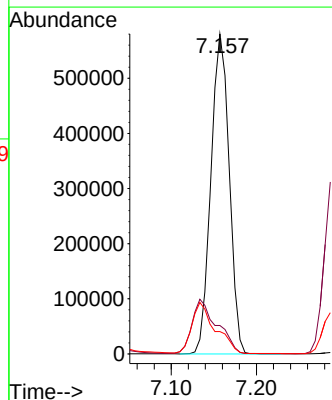
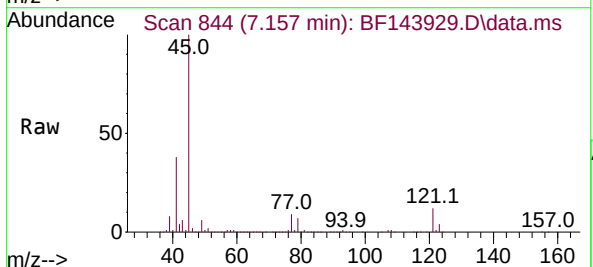
Tgt Ion: 45 Resp: 866381

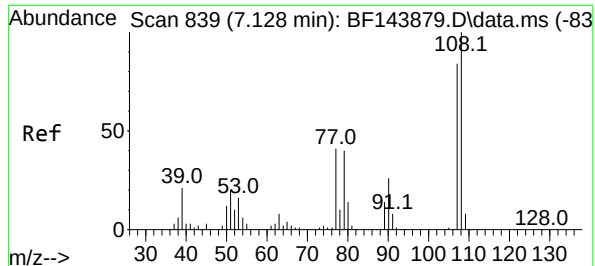
Ion Ratio Lower Upper

45 100

77 8.9 0.0 29.0

79 7.0 0.0 26.8

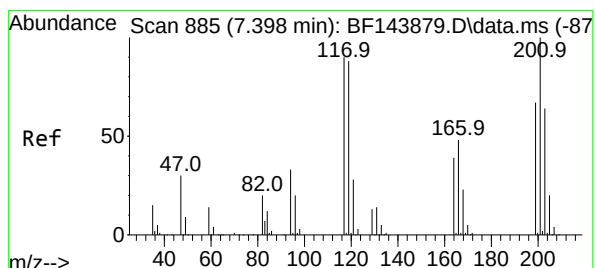
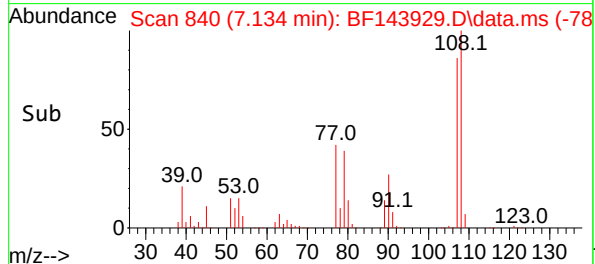
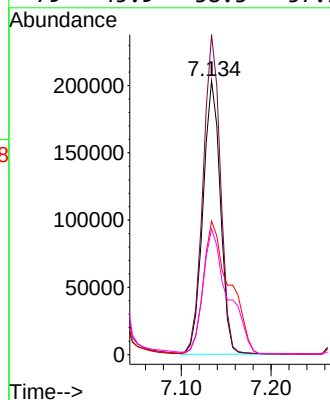
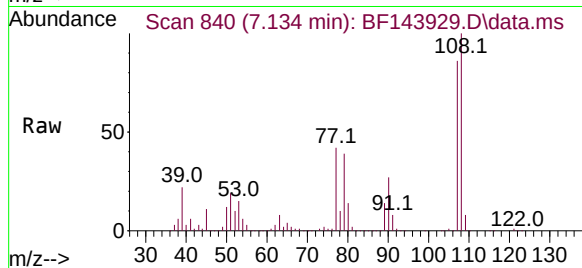




#17
2-Methylphenol
Concen: 45.374 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

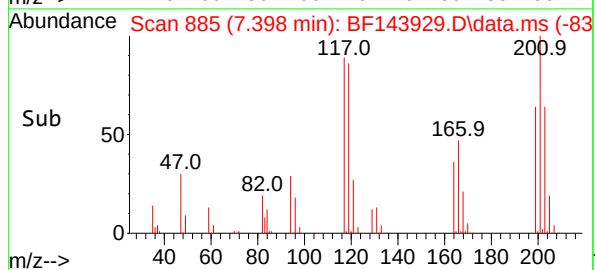
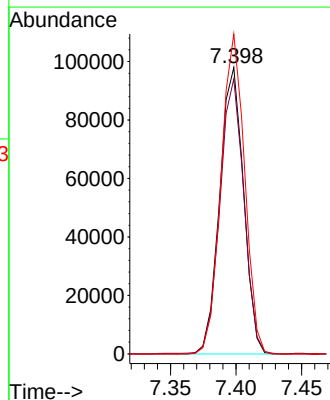
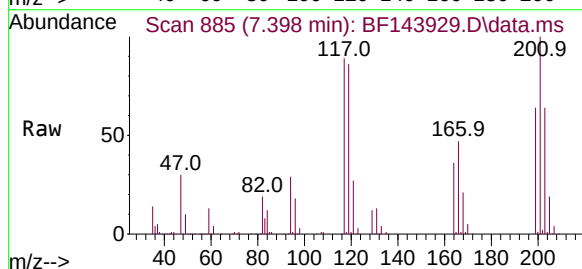
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

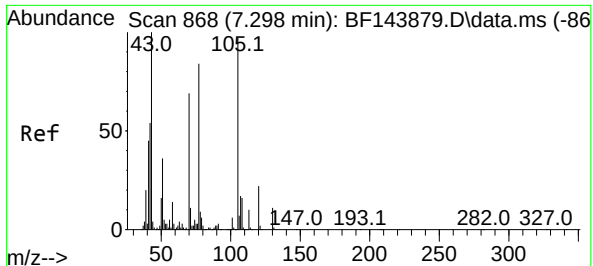
Tgt Ion:	107	Resp:	273298
Ion	Ratio	Lower	Upper
107	100		
108	116.9	94.7	142.1
77	48.8	38.8	58.2
79	45.9	38.3	57.5



#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# 867

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

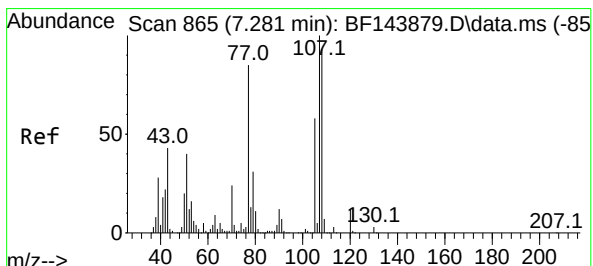
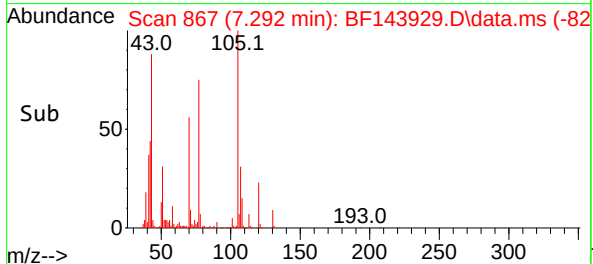
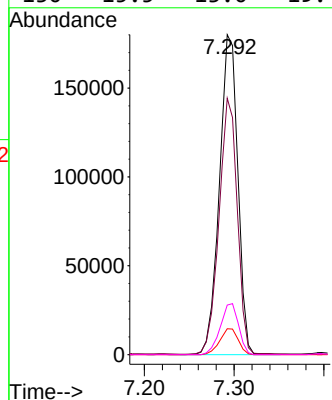
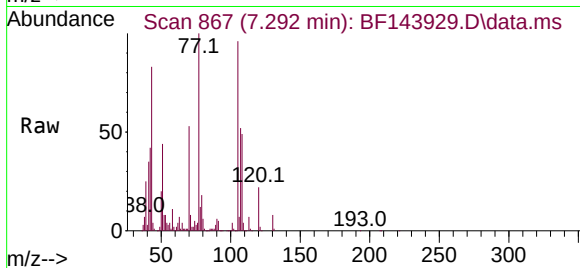
Ion Ratio Lower Upper

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

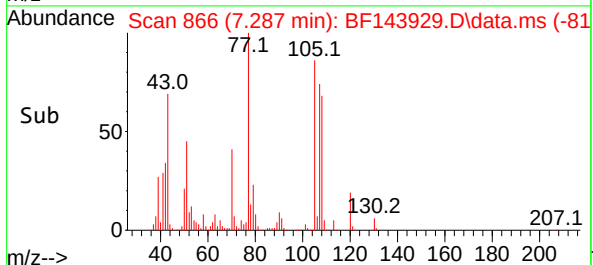
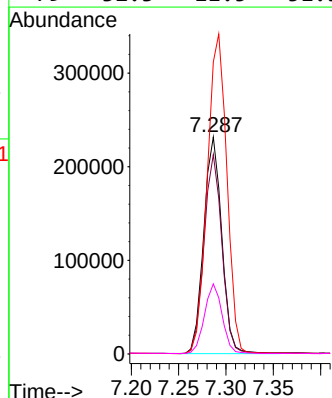
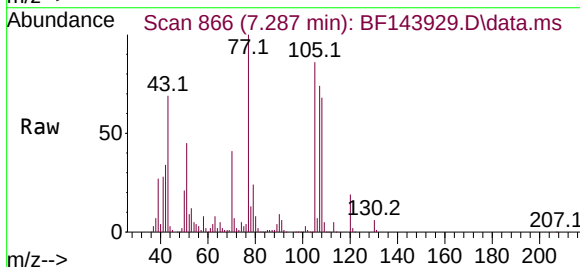
Ion Ratio Lower Upper

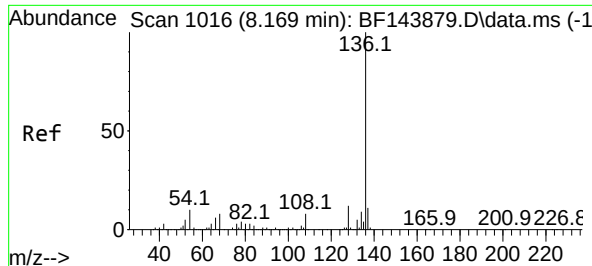
107 100

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# 1016

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

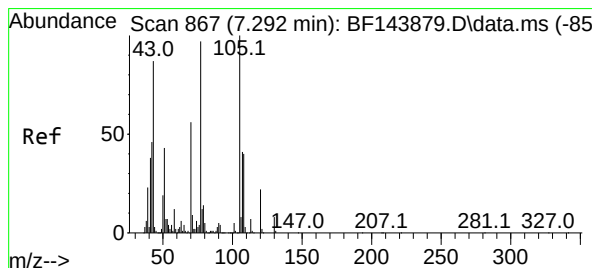
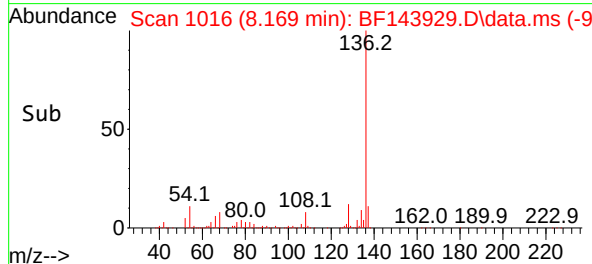
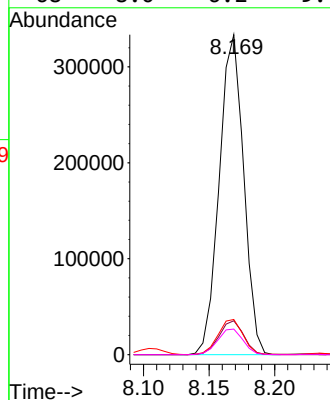
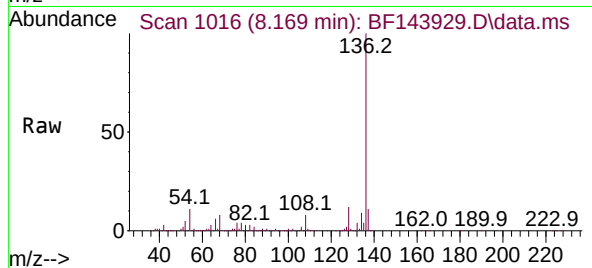
Ion Ratio Lower Upper

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

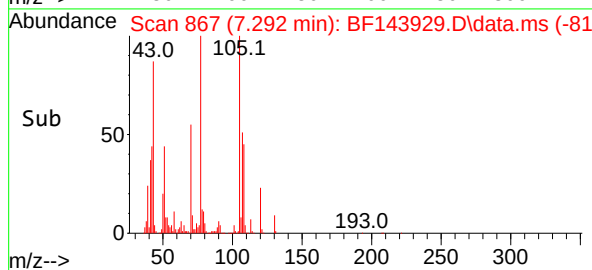
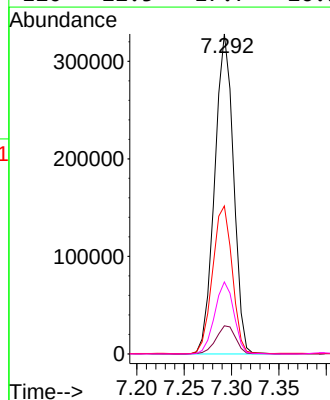
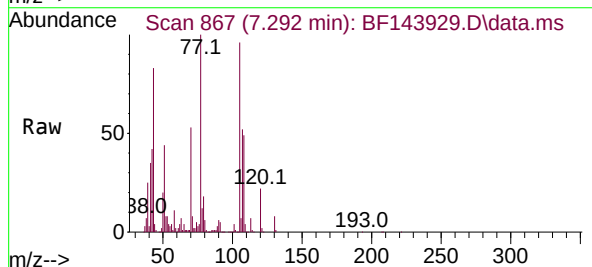
Ion Ratio Lower Upper

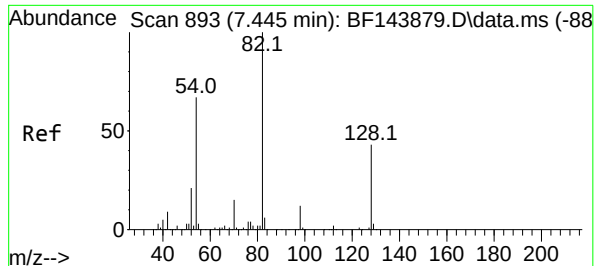
105 100

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# 893

Delta R.T. -0.012 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

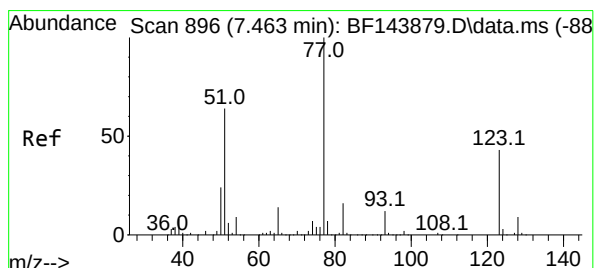
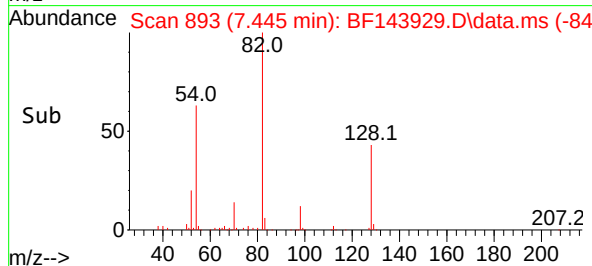
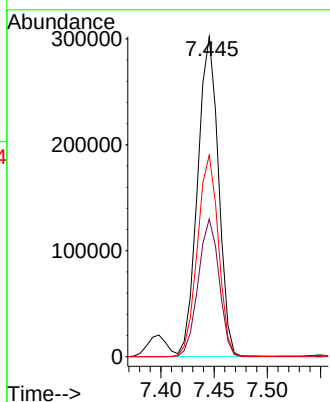
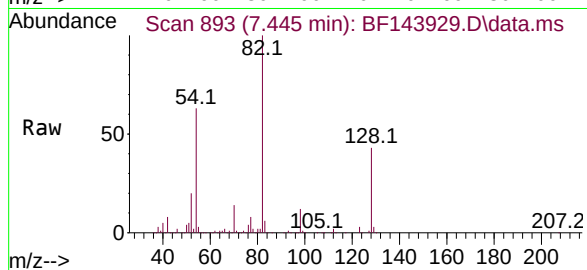
Tgt Ion: 82 Resp: 408065

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

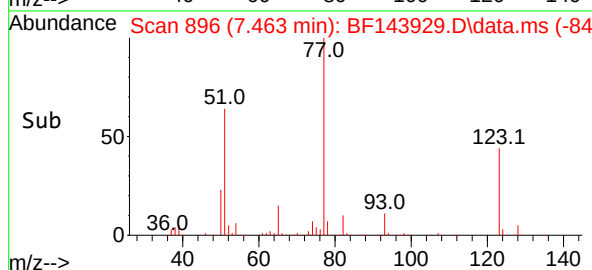
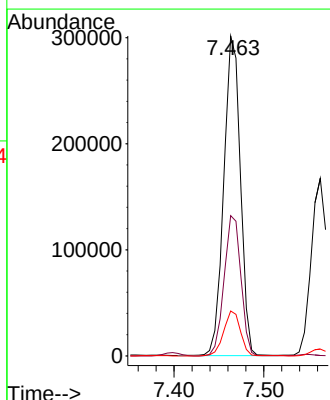
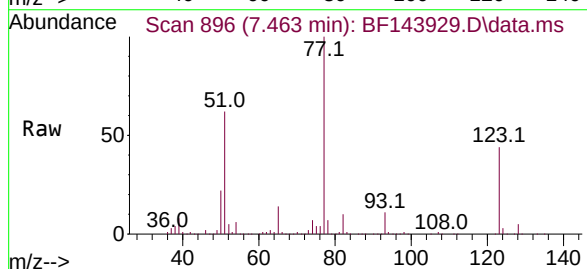
Tgt Ion: 77 Resp: 389887

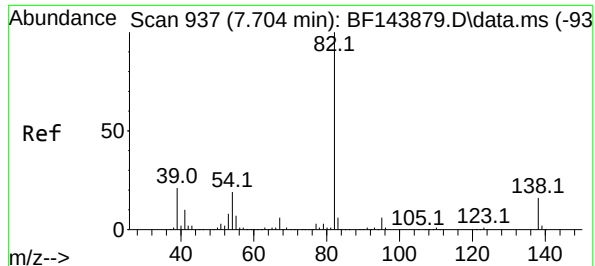
Ion Ratio Lower Upper

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# 937

Delta R.T. -0.018 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

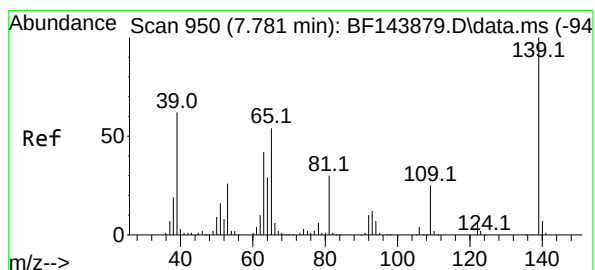
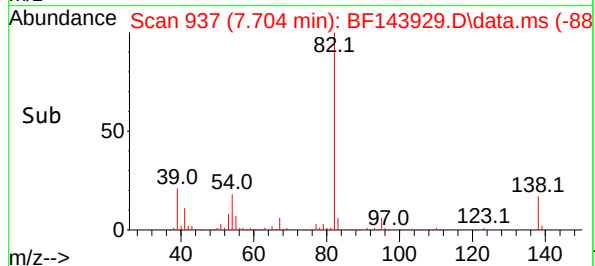
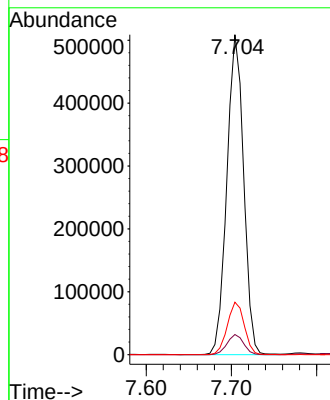
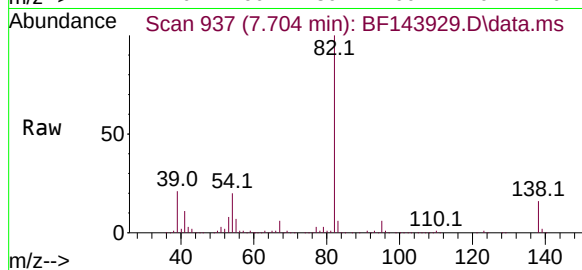
Tgt Ion: 82 Resp: 695779

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

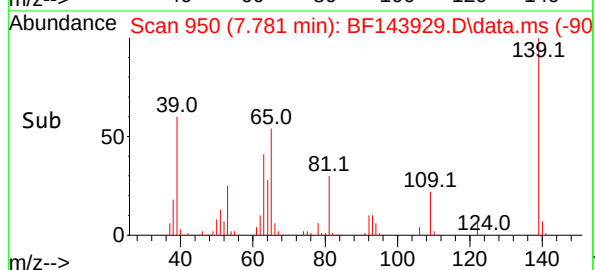
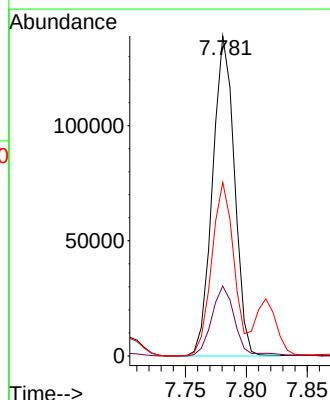
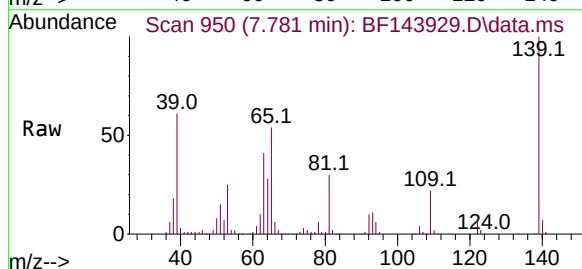
Tgt Ion: 139 Resp: 174112

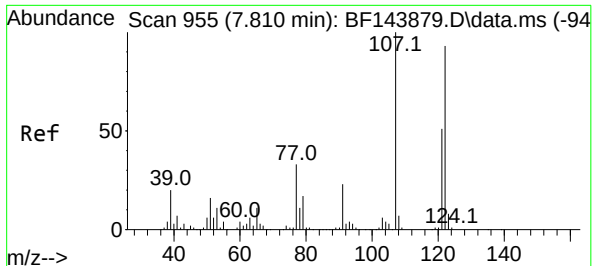
Ion Ratio Lower Upper

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# 91

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

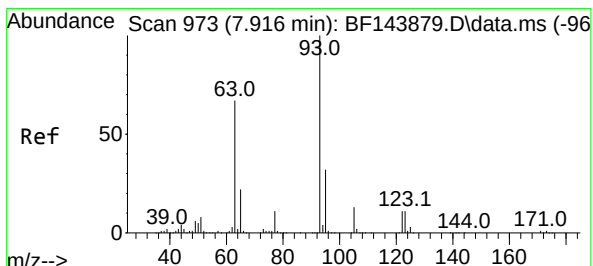
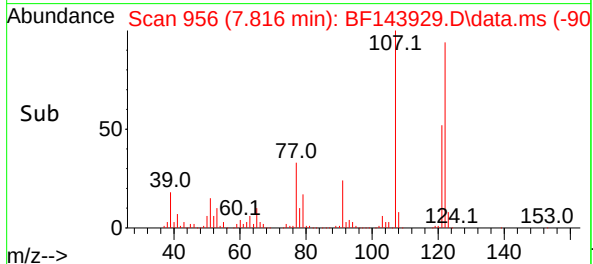
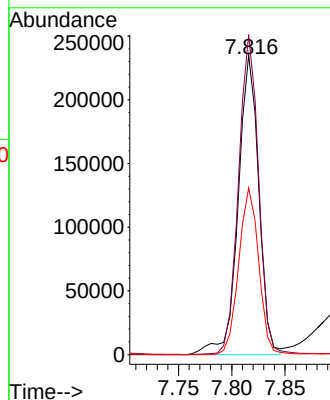
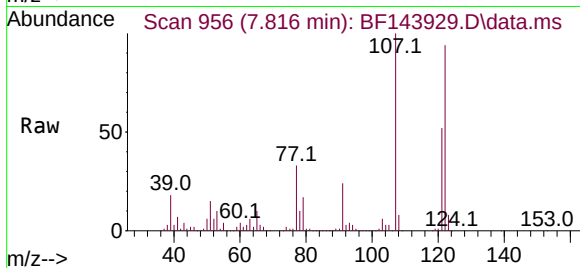
Tgt Ion:122 Resp: 315565

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

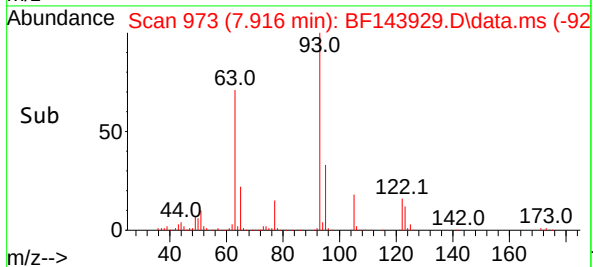
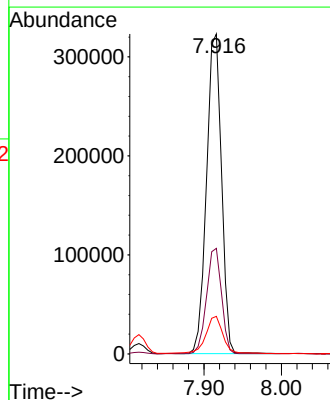
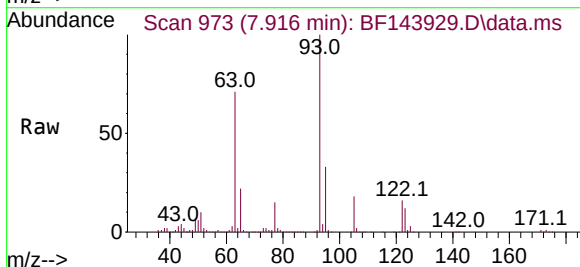
Tgt Ion: 93 Resp: 433734

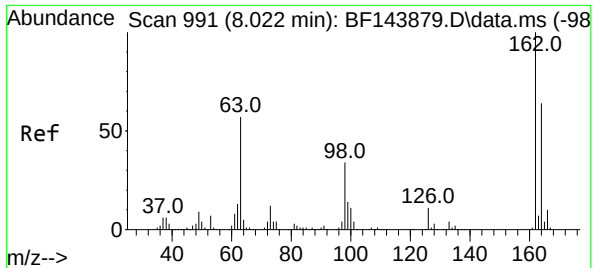
Ion Ratio Lower Upper

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# 991

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

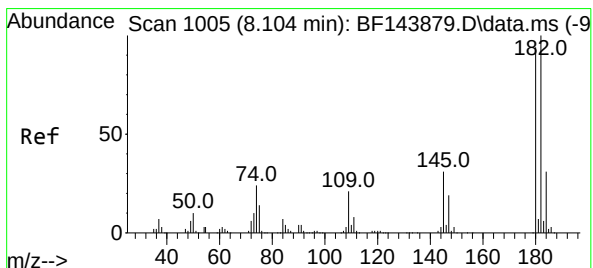
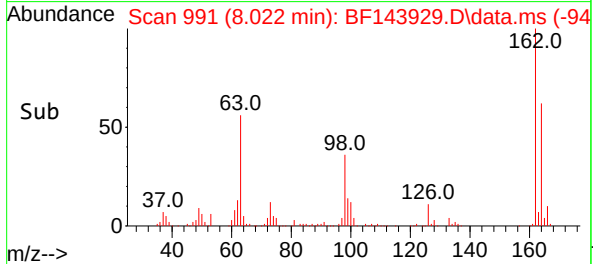
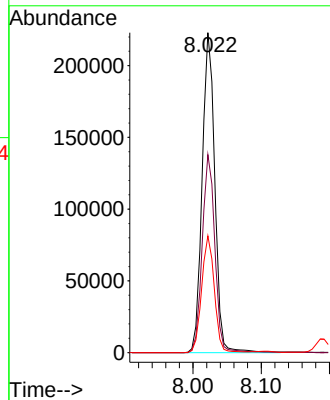
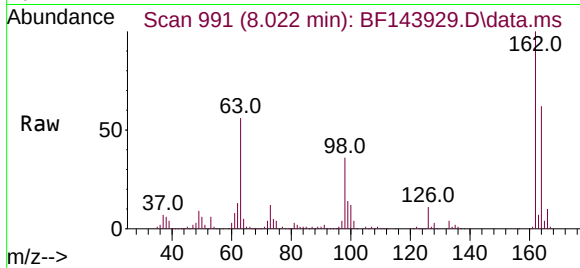
Tgt Ion:162 Resp: 287943

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

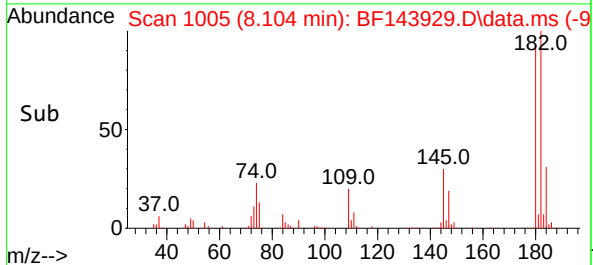
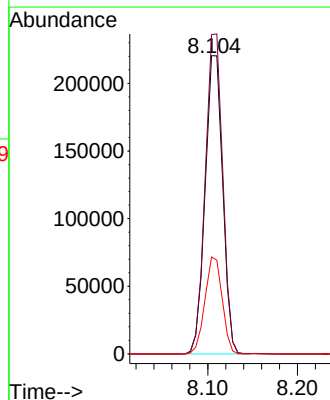
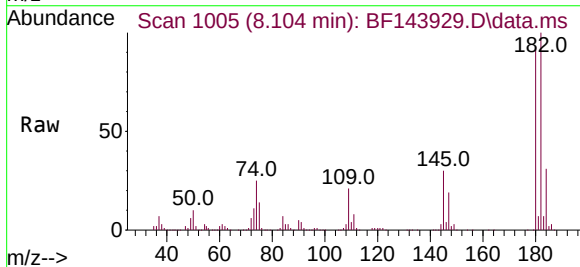
Tgt Ion:180 Resp: 300197

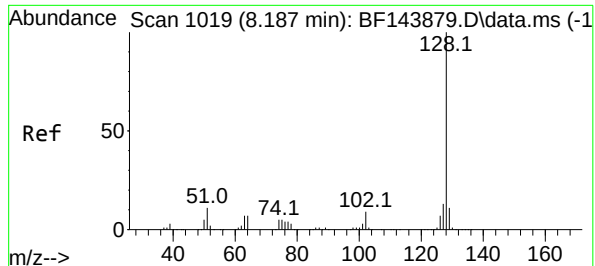
Ion Ratio Lower Upper

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# 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

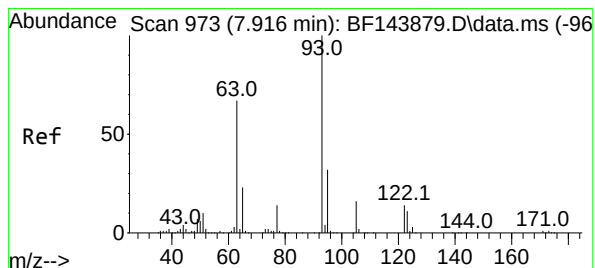
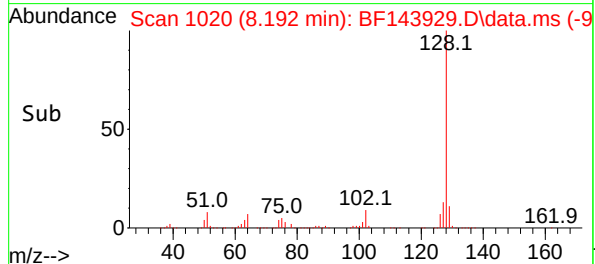
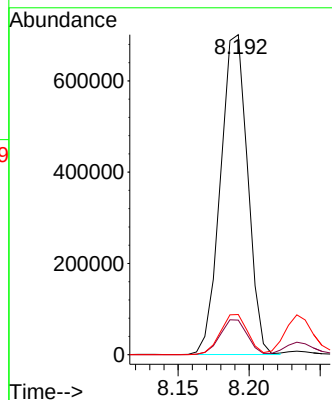
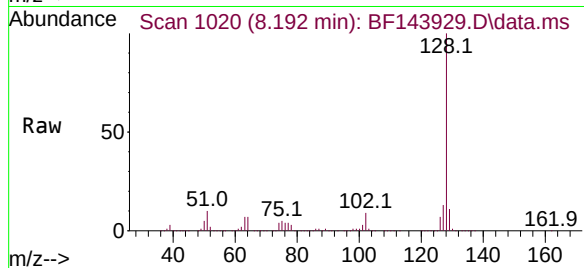
Tgt Ion:128 Resp: 932005

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

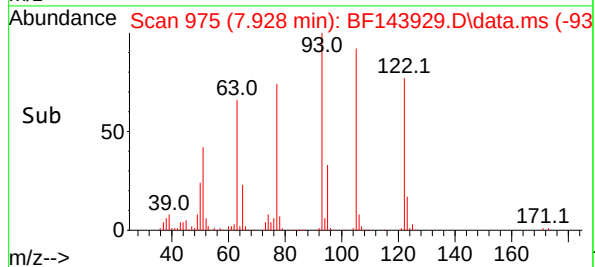
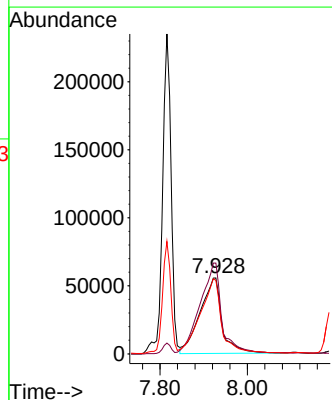
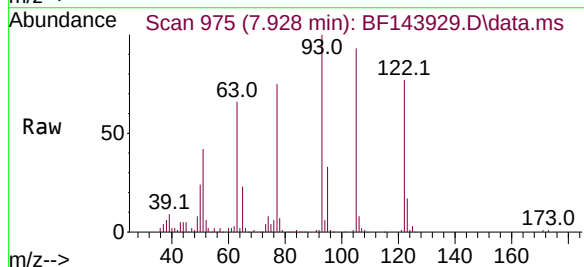
Tgt Ion:122 Resp: 194020

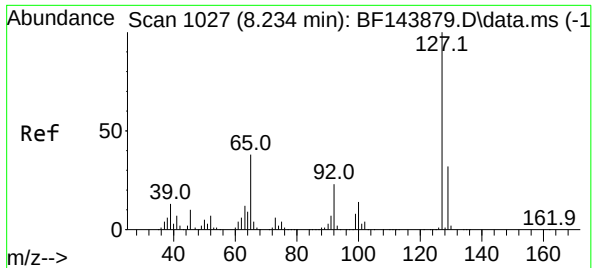
Ion Ratio Lower Upper

122 100

105 119.8 93.5 133.5

77 96.9 76.3 116.3

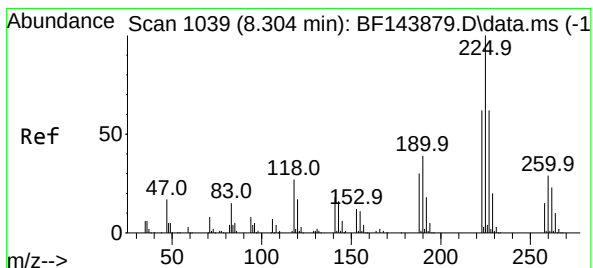
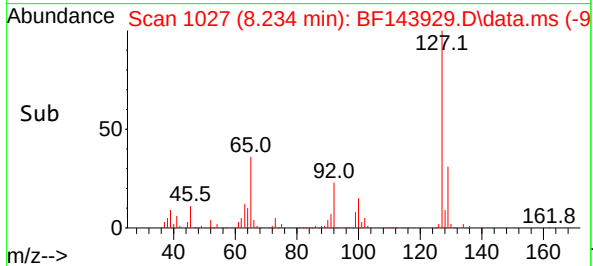
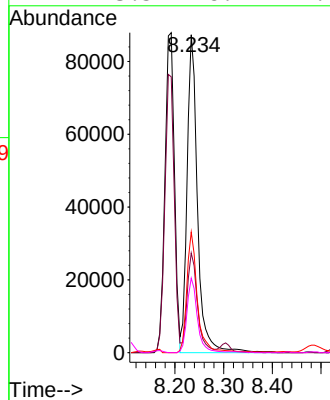
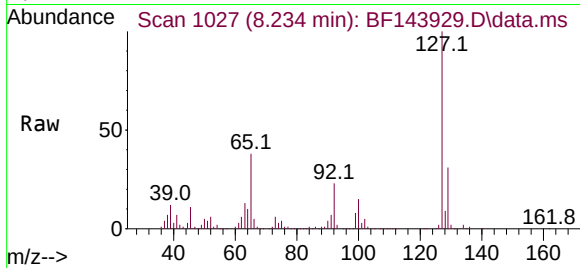




#33
4-Chloroaniline
Concen: 17.696 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

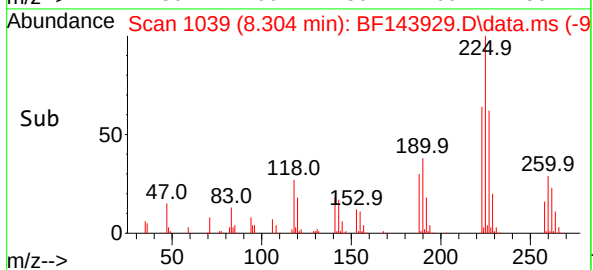
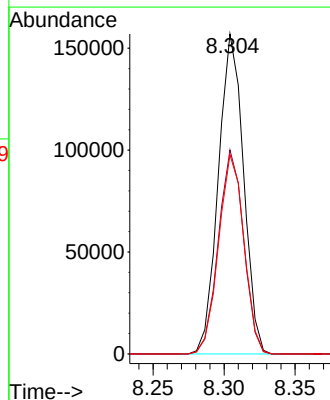
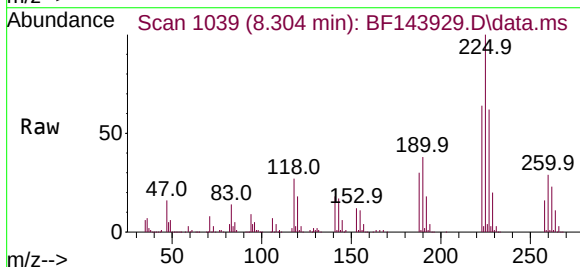
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

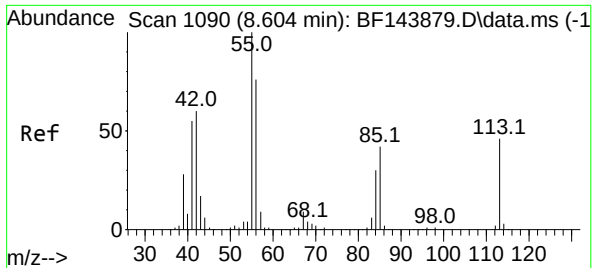
Tgt Ion:127	Resp: 130435
Ion Ratio	Lower Upper
127 100	
129 31.3	25.8 38.8
65 37.9	30.0 45.0
92 23.5	18.2 27.2



#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

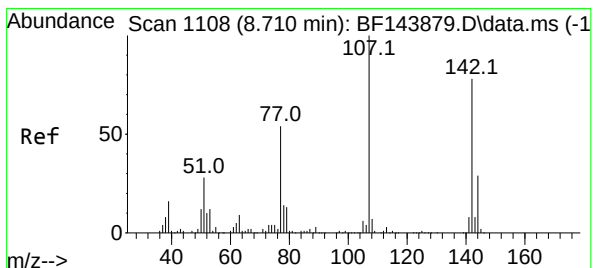
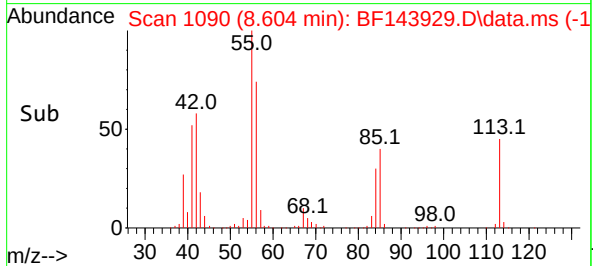
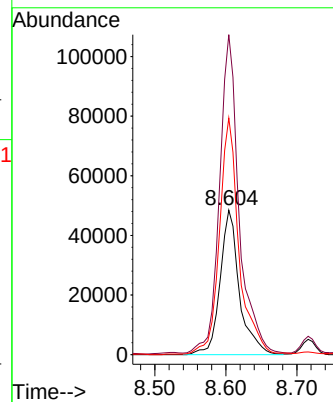
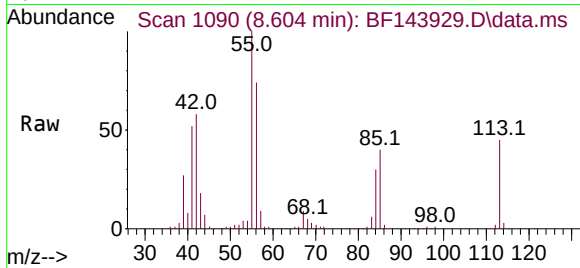




#35
 Caprolactam
 Concen: 45.357 ng
 RT: 8.604 min Scan# 1090
 Delta R.T. -0.041 min
 Lab File: BF143929.D
 Acq: 10 Oct 2025 17:18

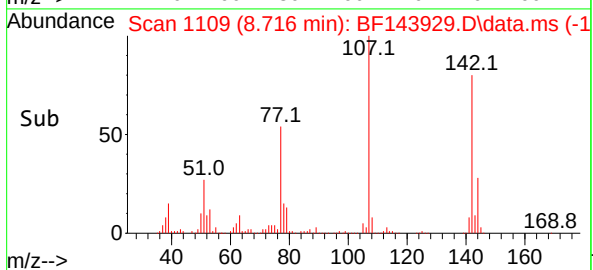
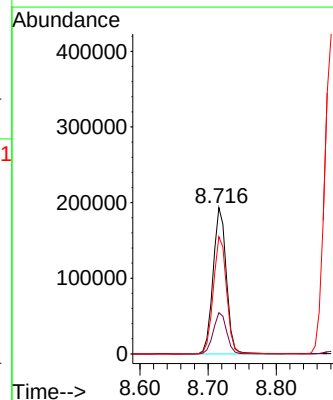
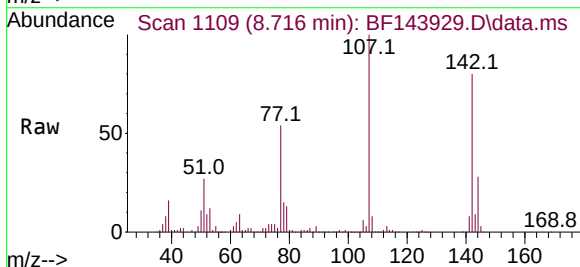
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MSD

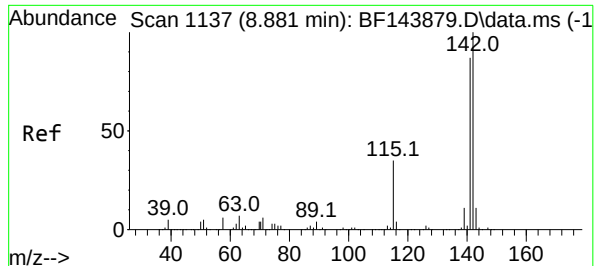
Tgt Ion	Ratio	Lower	Upper
113	100		
55	221.7	199.6	239.6
56	163.8	146.0	186.0



#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	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# 1137

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

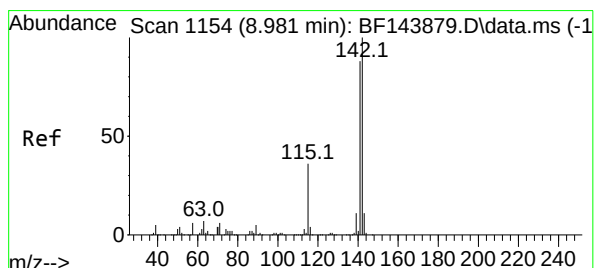
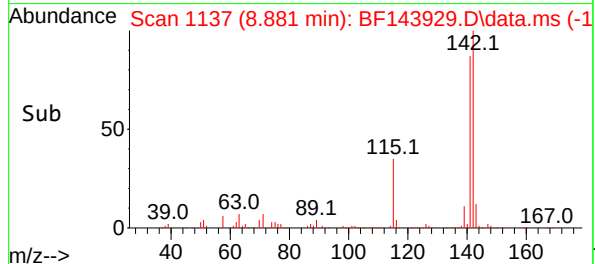
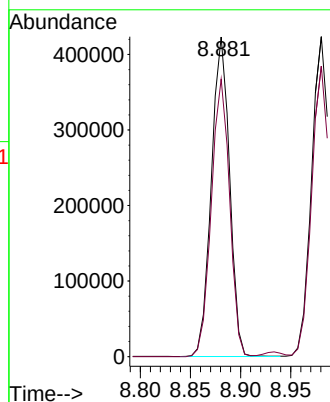
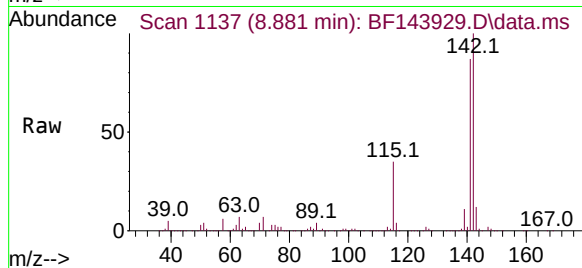
SS-01-0-1MSD

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

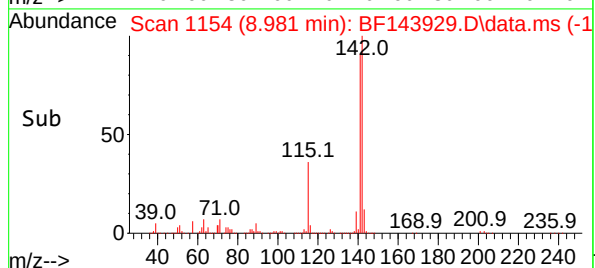
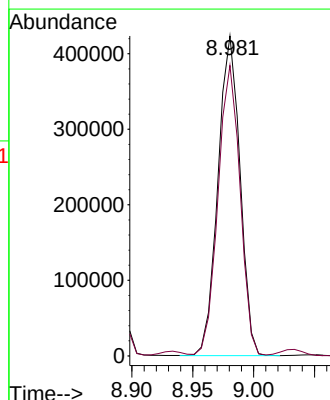
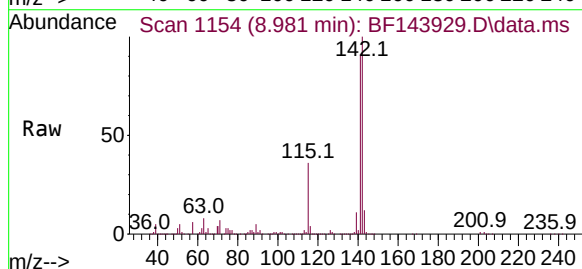
Acq: 10 Oct 2025 17:18

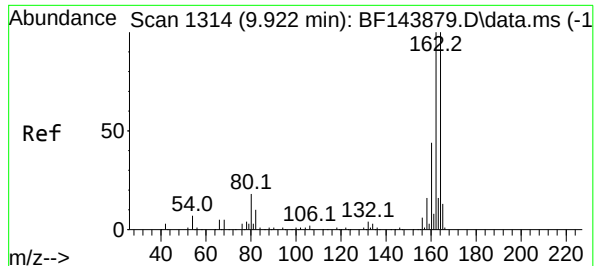
Tgt Ion:142 Resp: 533120

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# 1314

Delta R.T. 0.001 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

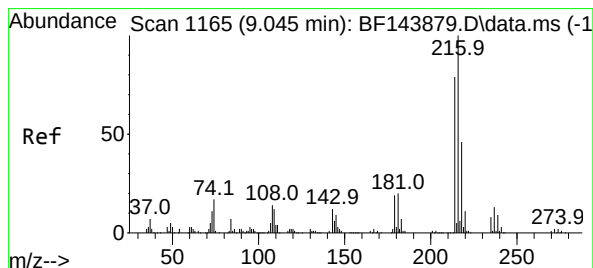
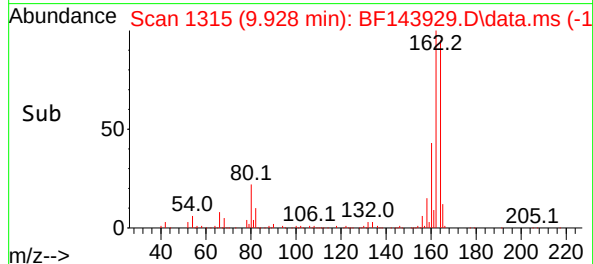
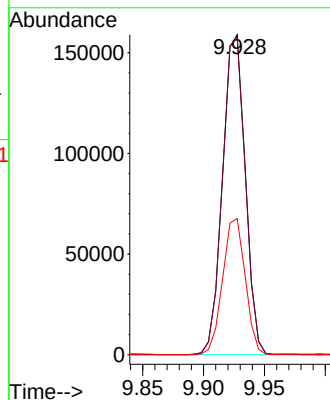
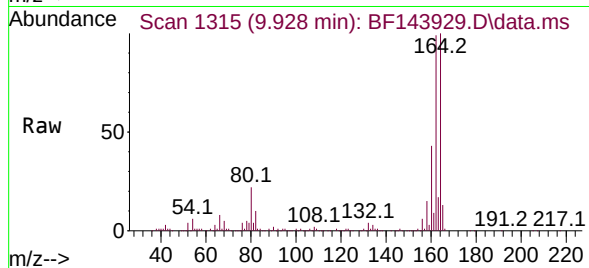
Tgt Ion:164 Resp: 206418

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

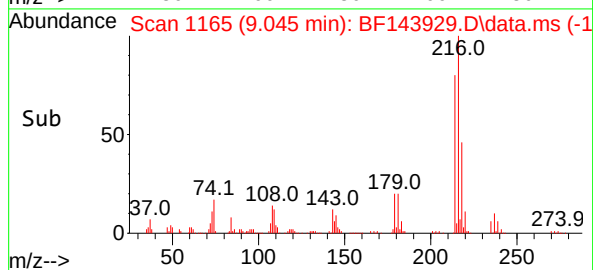
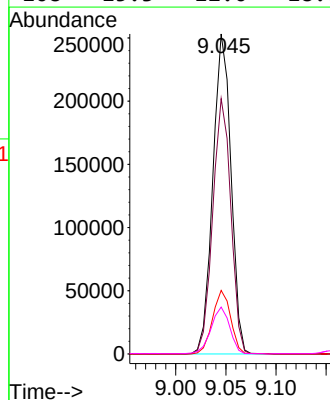
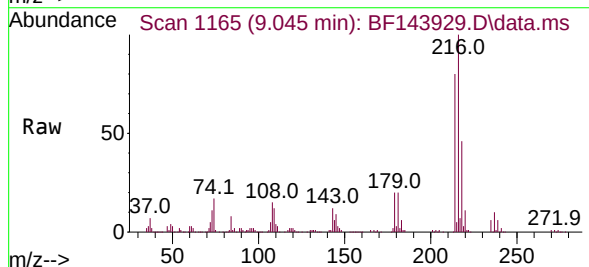
Ion Ratio Lower Upper

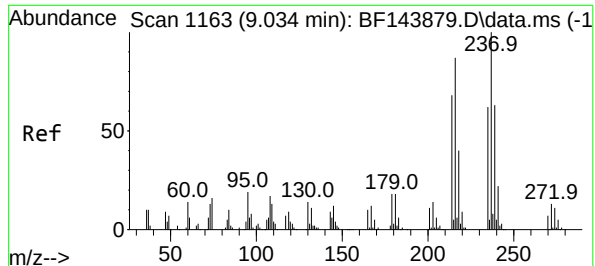
216 100

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# 1163

Delta R.T. 0.000 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

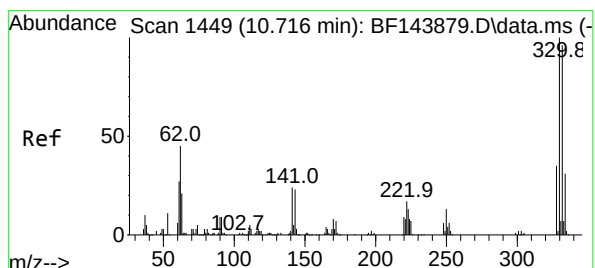
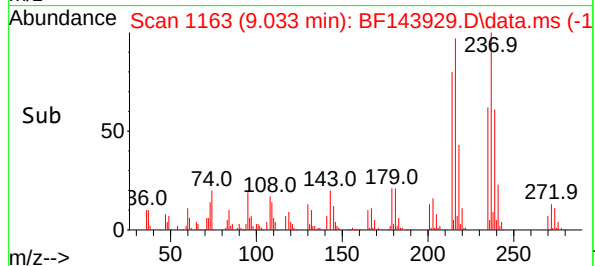
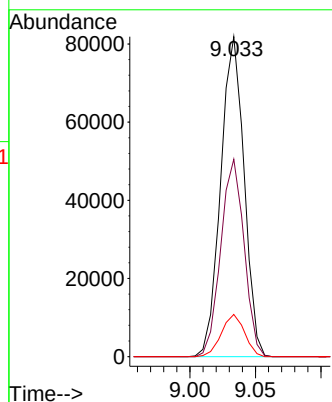
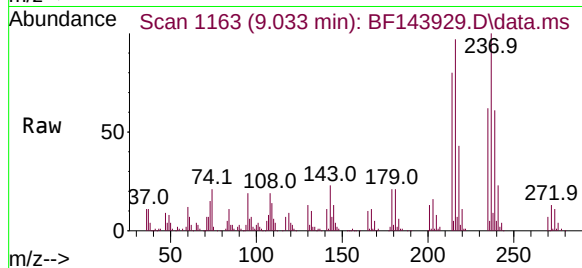
Tgt Ion:237 Resp: 101705

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

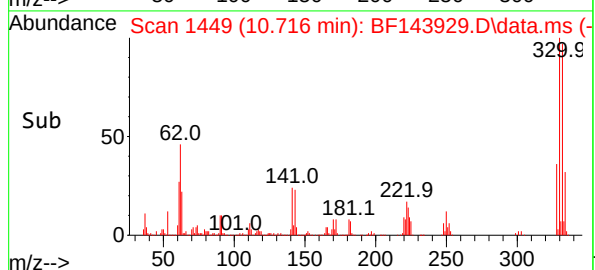
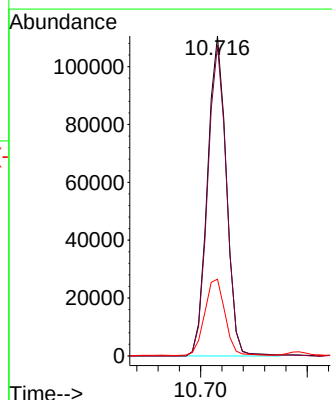
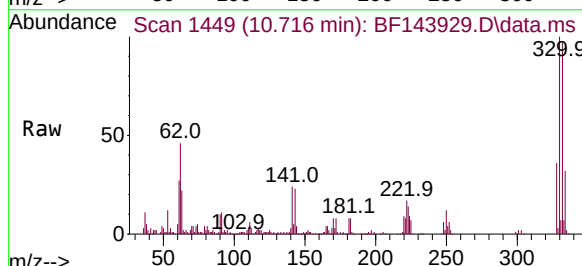
Tgt Ion:330 Resp: 135862

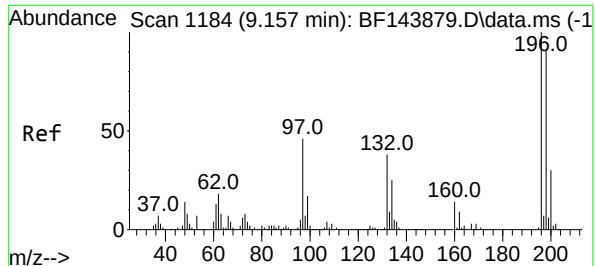
Ion Ratio Lower Upper

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# 1184

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

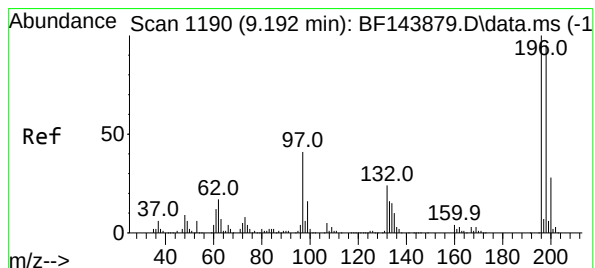
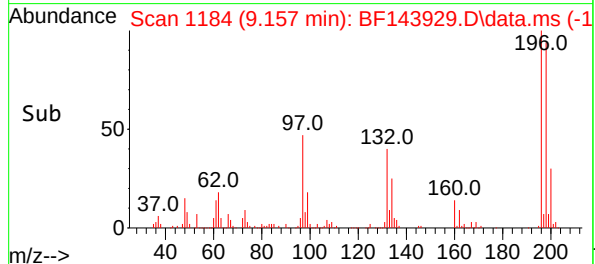
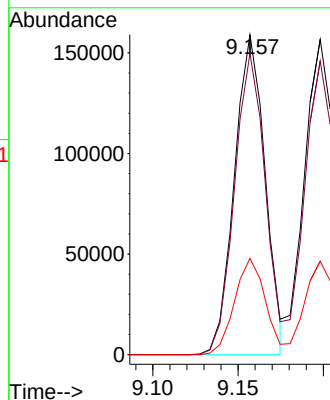
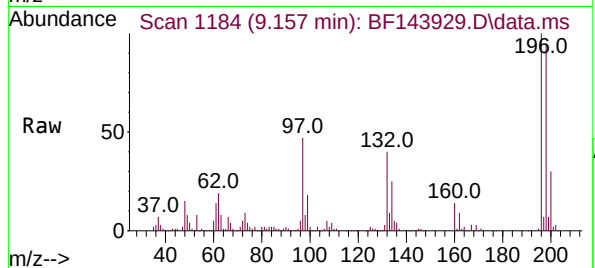
Tgt Ion:196 Resp: 199193

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

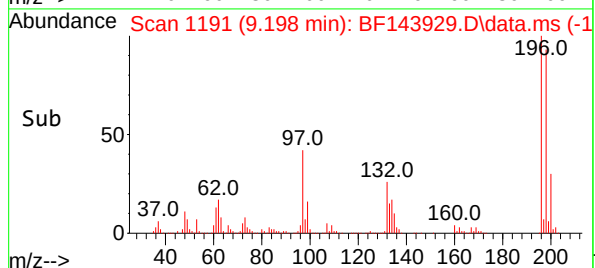
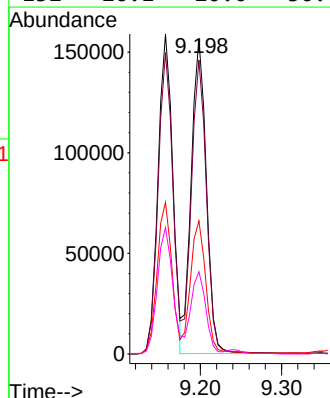
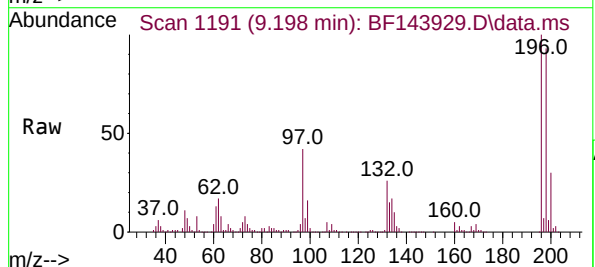
Ion Ratio Lower Upper

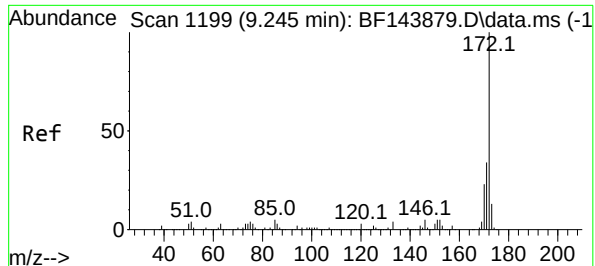
196 100

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# 1199

Delta R.T. -0.012 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

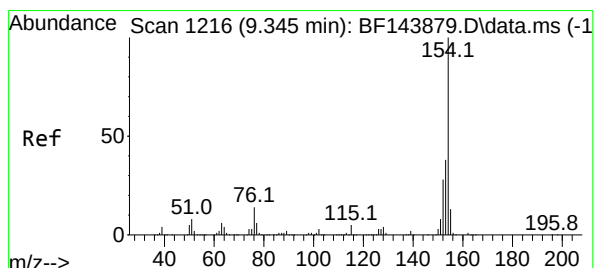
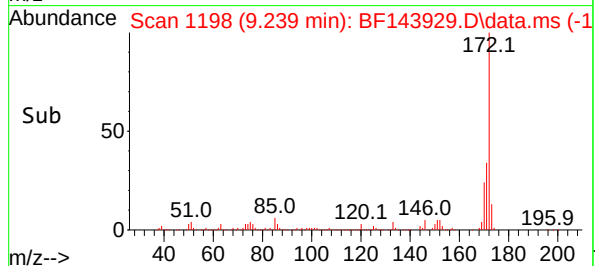
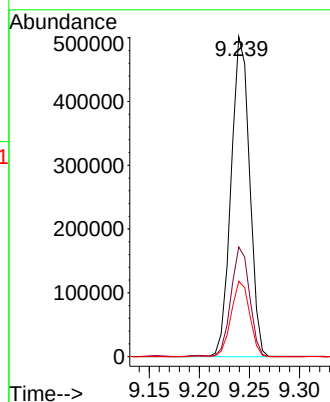
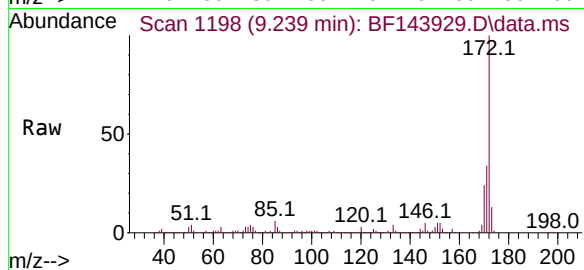
Tgt Ion:172 Resp: 642465

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

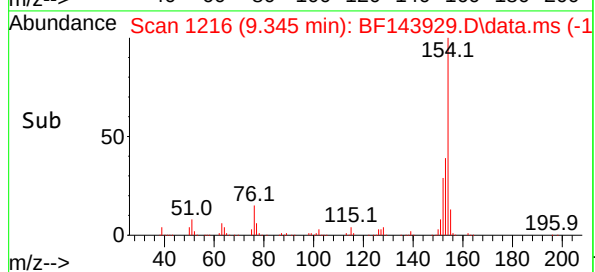
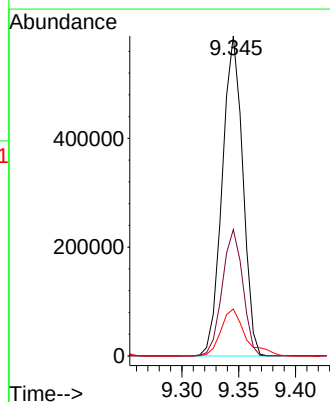
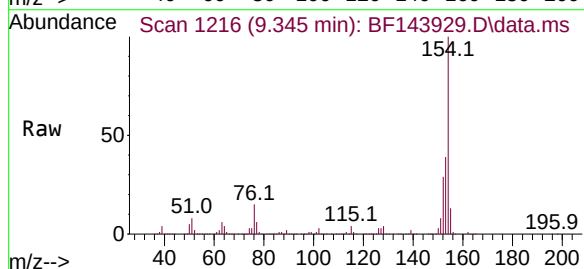
Tgt Ion:154 Resp: 739365

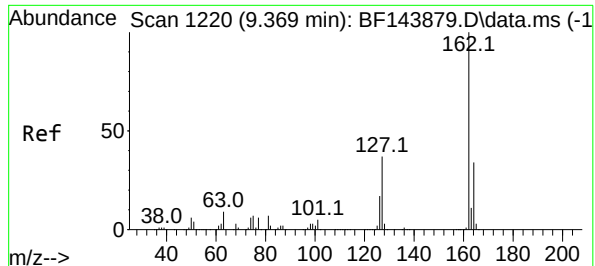
Ion Ratio Lower Upper

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# 1220

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

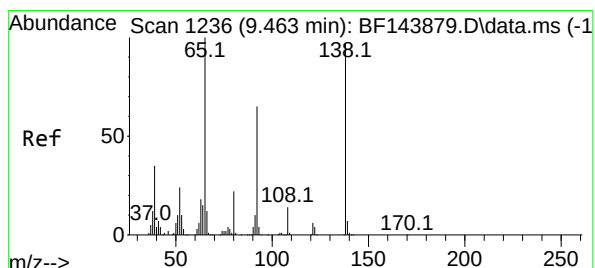
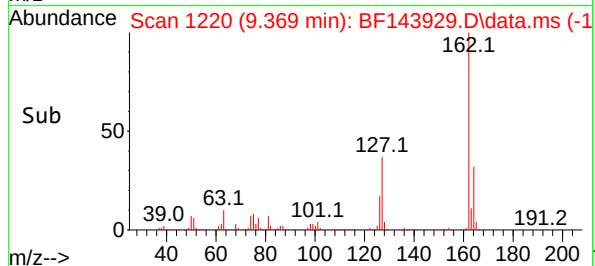
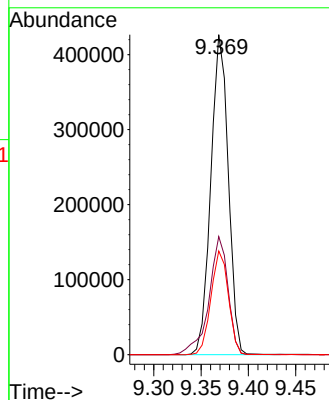
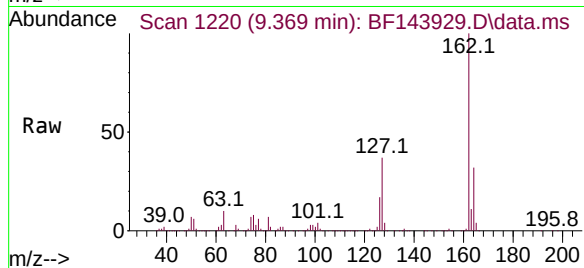
Tgt Ion:162 Resp: 547343

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

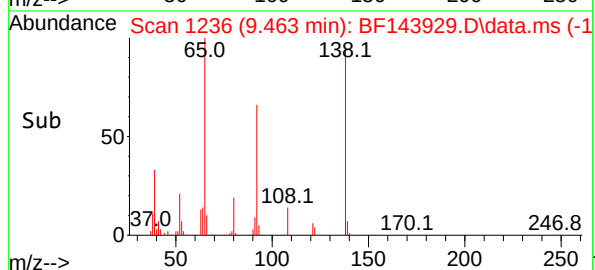
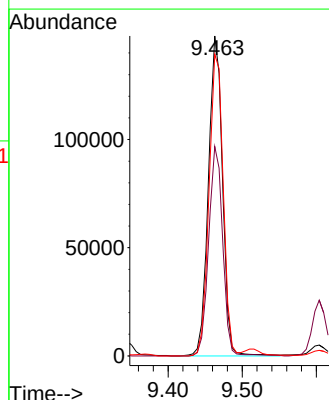
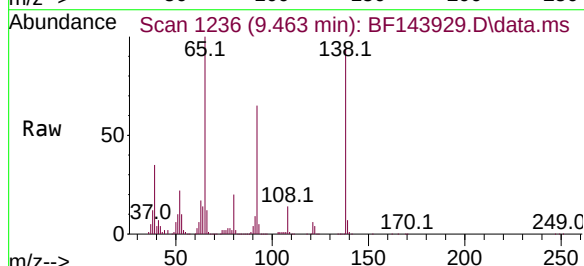
Tgt Ion: 65 Resp: 195519

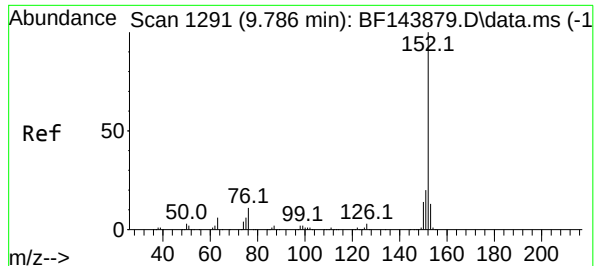
Ion Ratio Lower Upper

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# 1291

Delta R.T. 0.000 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

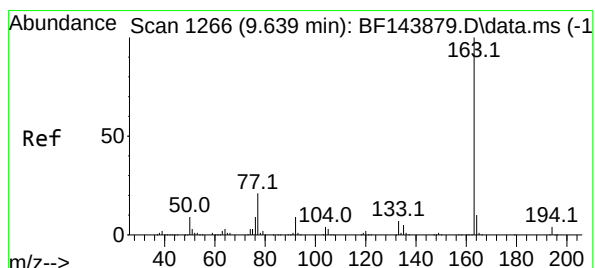
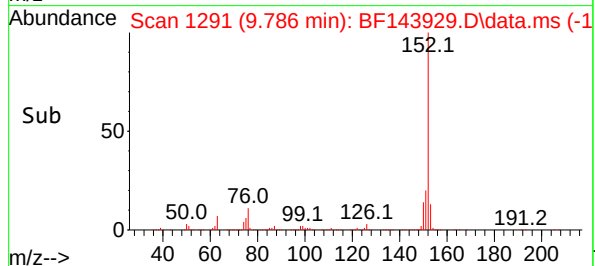
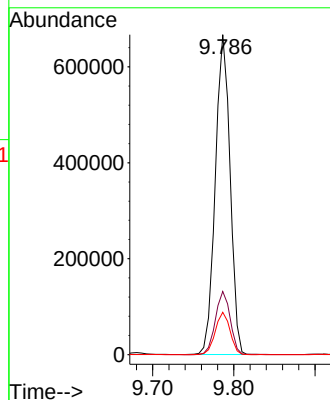
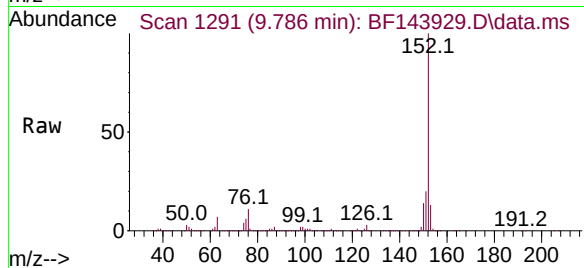
Tgt Ion:152 Resp: 842706

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

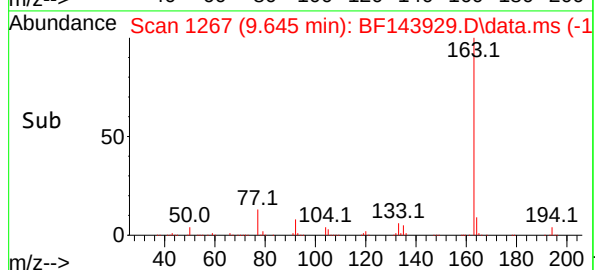
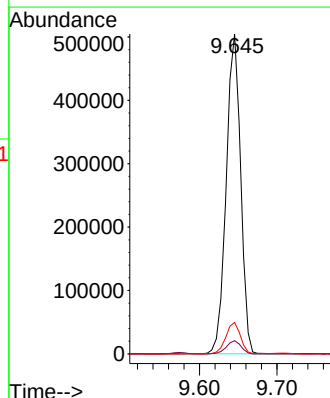
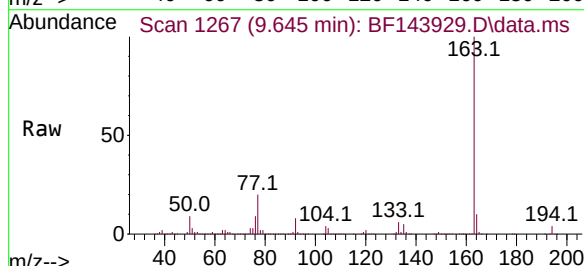
Tgt Ion:163 Resp: 652573

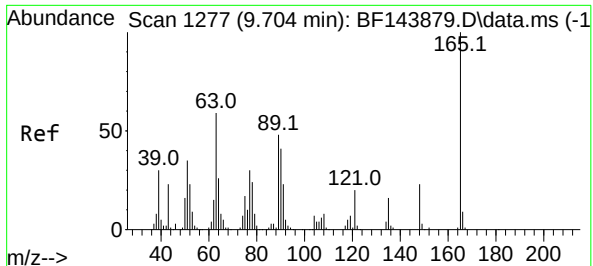
Ion Ratio Lower Upper

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# 1277

Delta R.T. -0.012 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

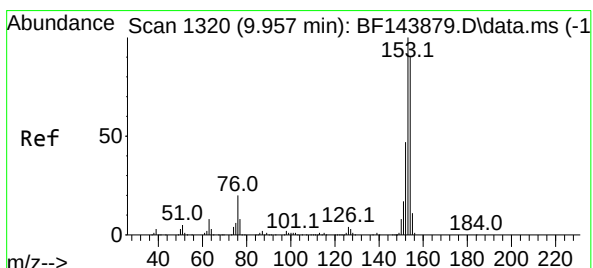
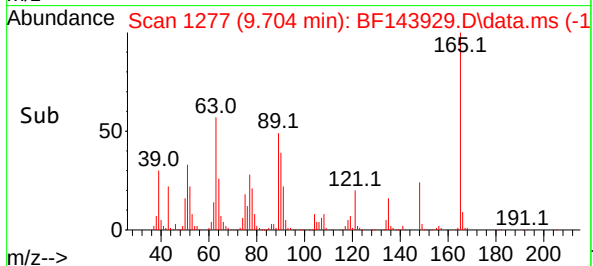
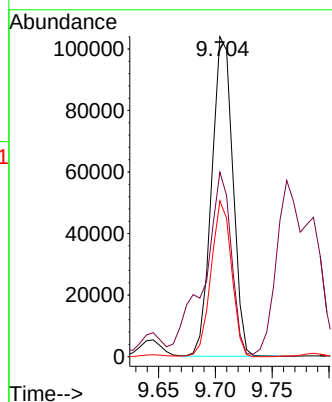
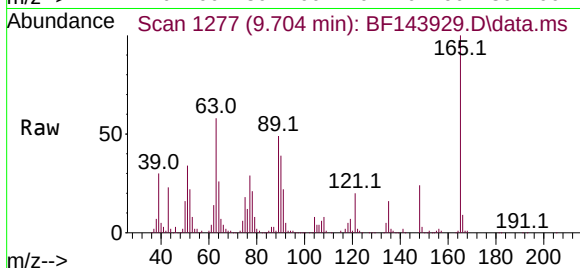
Tgt Ion:165 Resp: 134316

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

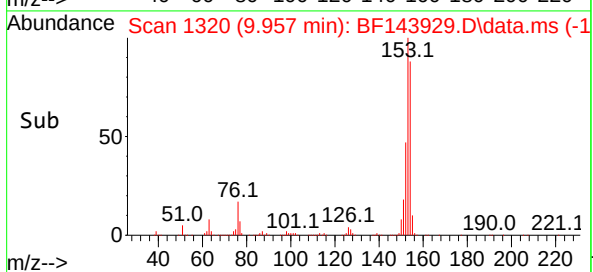
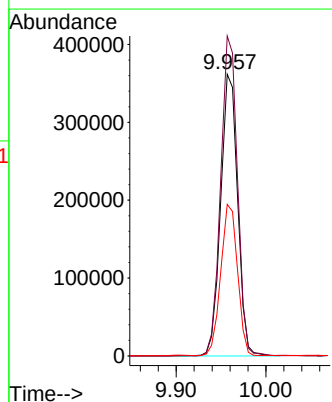
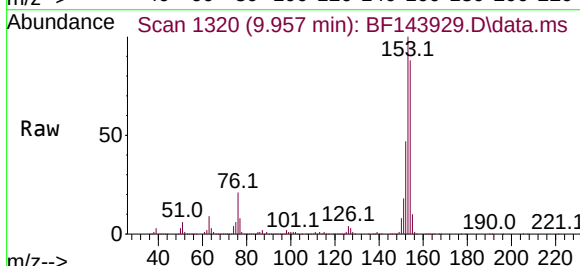
Tgt Ion:154 Resp: 477808

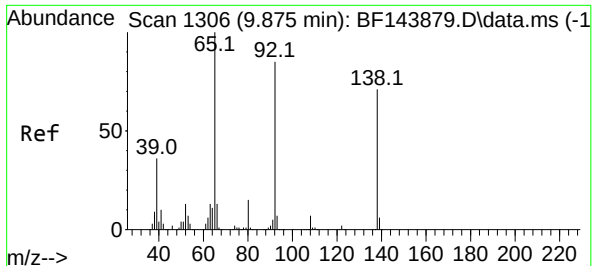
Ion Ratio Lower Upper

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# 1306

Delta R.T. -0.012 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

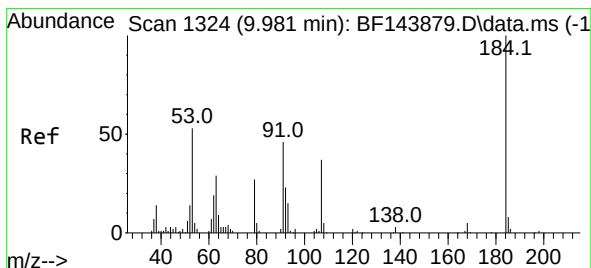
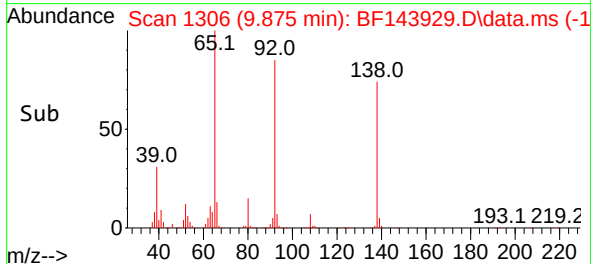
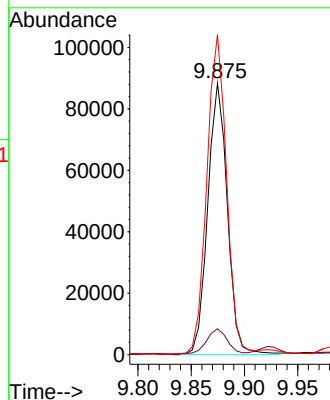
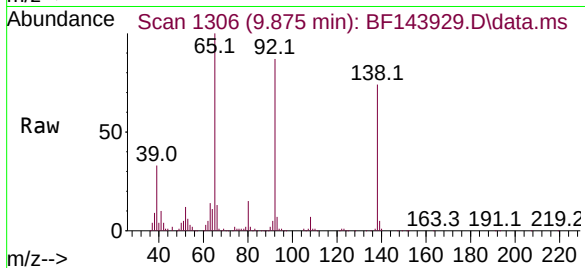
Tgt Ion:138 Resp: 113053

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

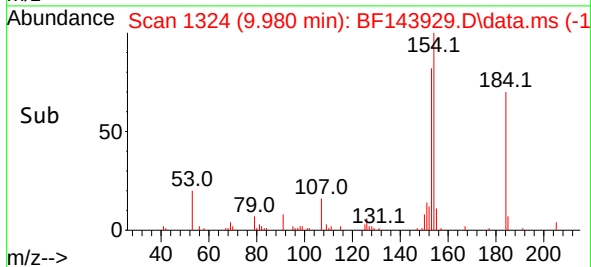
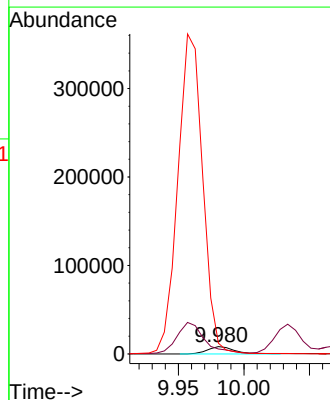
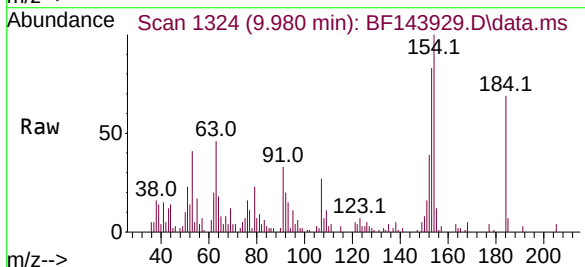
Tgt Ion:184 Resp: 11722

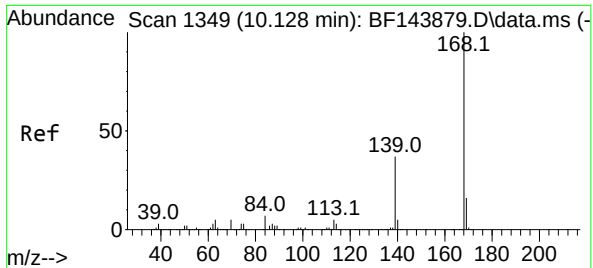
Ion Ratio Lower Upper

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# 1349

Delta R.T. 0.000 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

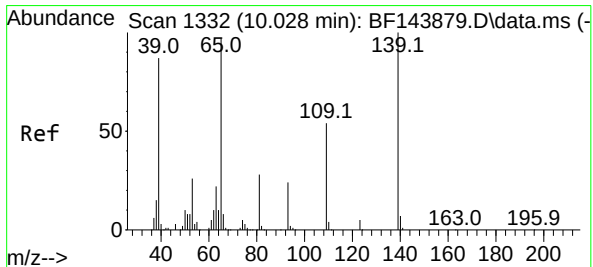
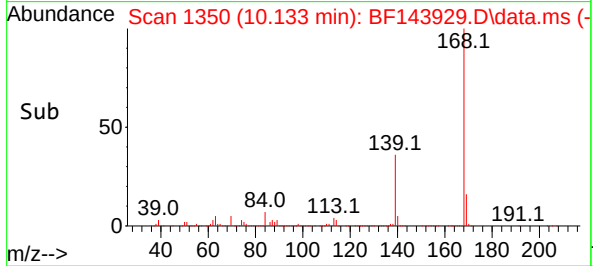
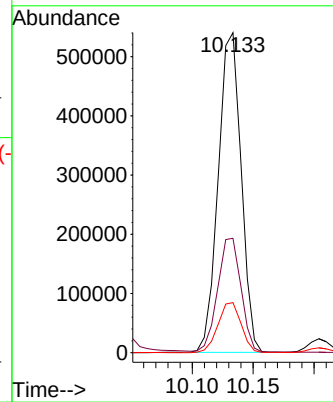
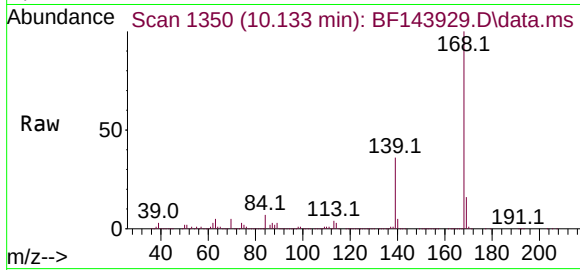
Tgt Ion:168 Resp: 707567

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

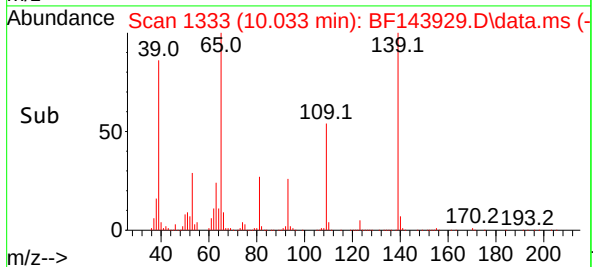
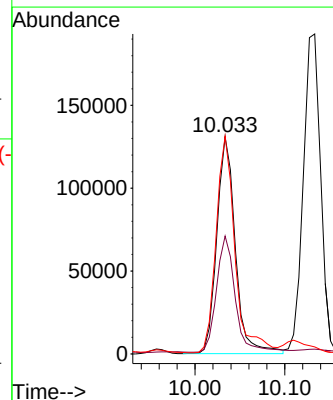
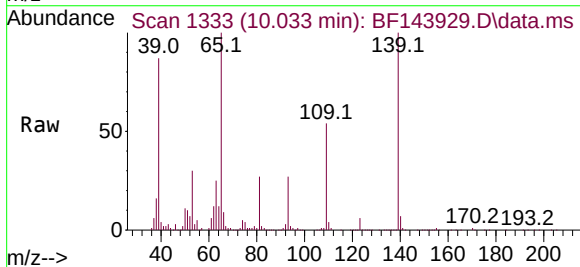
Tgt Ion:139 Resp: 187692

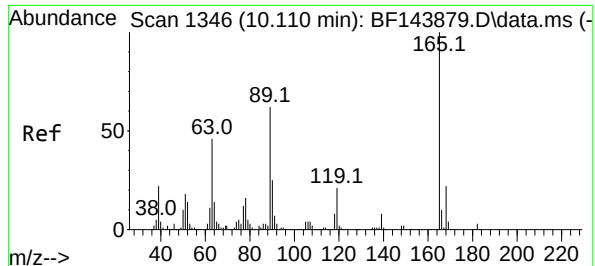
Ion Ratio Lower Upper

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# 1346

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

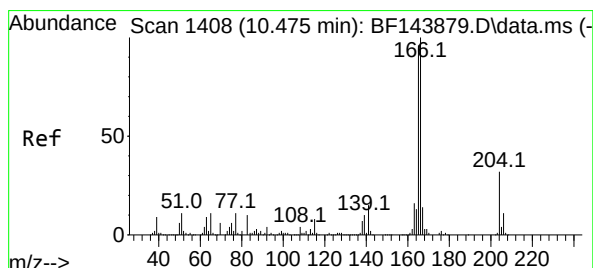
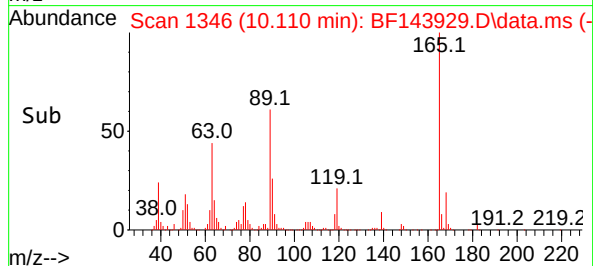
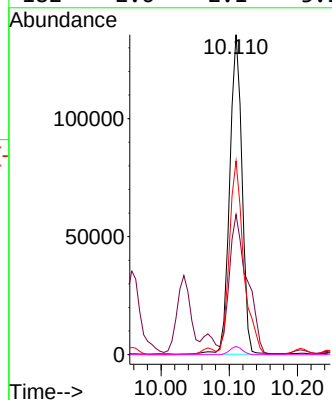
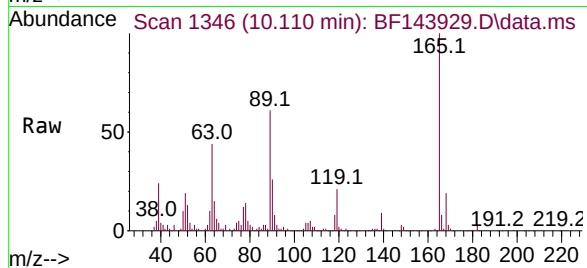
Ion Ratio Lower Upper

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

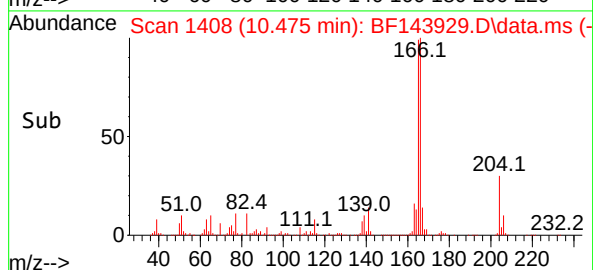
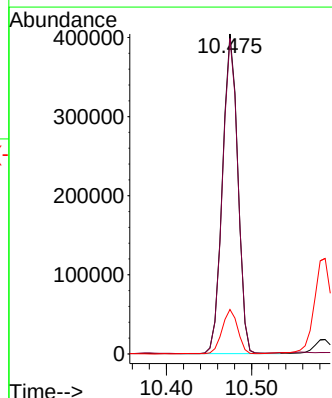
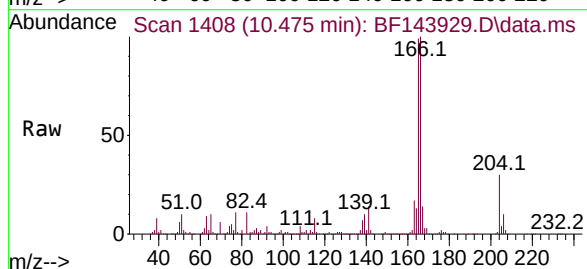
Tgt Ion:166 Resp: 506230

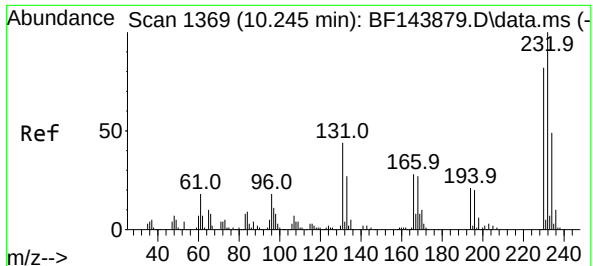
Ion Ratio Lower Upper

166 100

165 98.6 77.0 115.6

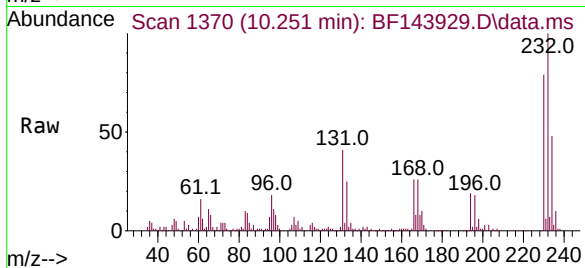
167 13.9 11.1 16.7



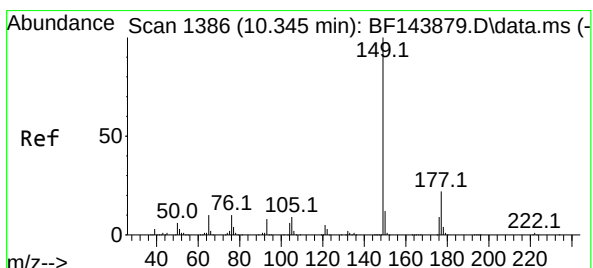
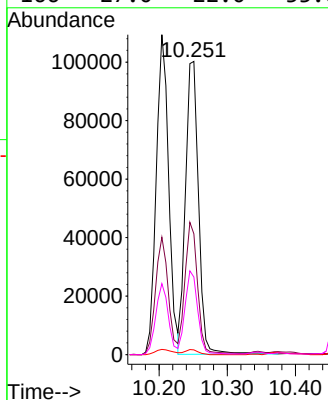
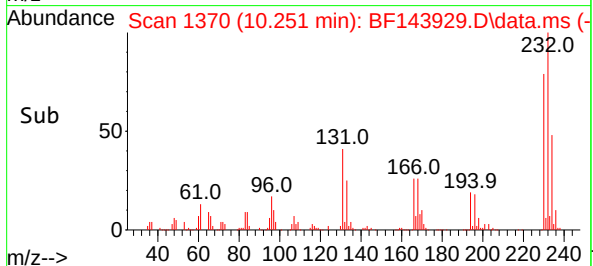


#59
2,3,4,6-Tetrachlorophenol
Concen: 42.853 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

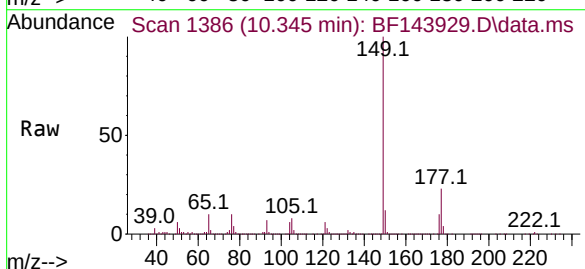
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD



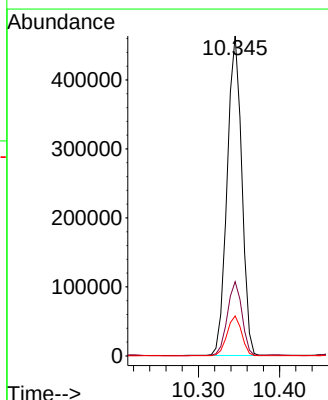
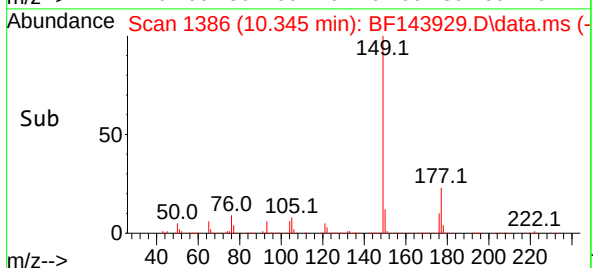
Tgt Ion:232 Resp: 133629
Ion Ratio Lower Upper
232 100
131 43.0 34.9 52.3
130 1.8 1.6 2.4
166 27.0 22.0 33.0

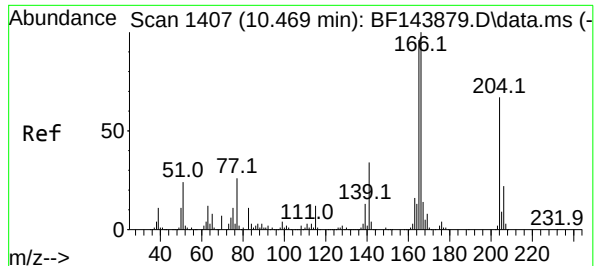


#60
Diethylphthalate
Concen: 47.603 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18



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

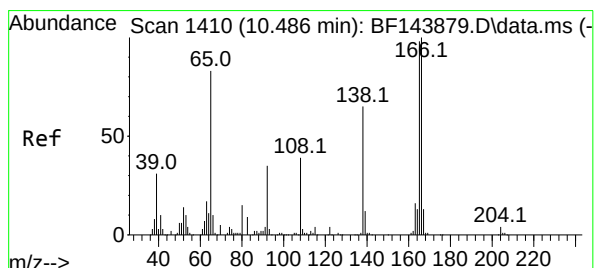
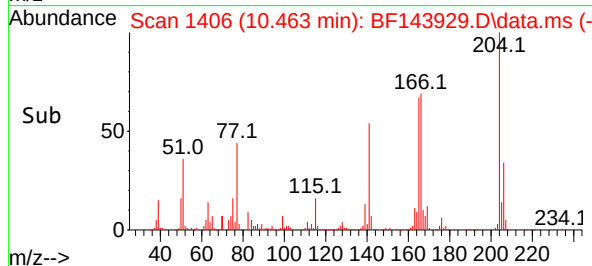
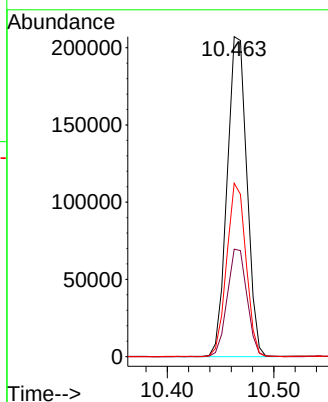
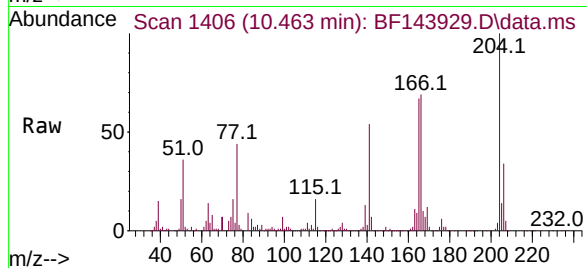




#61
4-Chlorophenyl-phenylether
Concen: 45.231 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

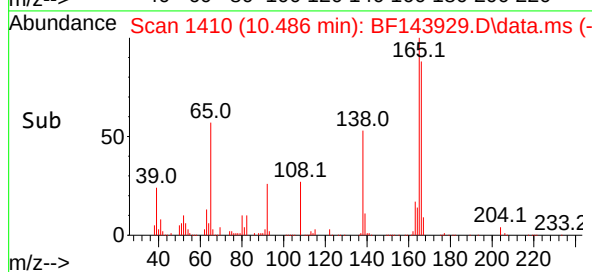
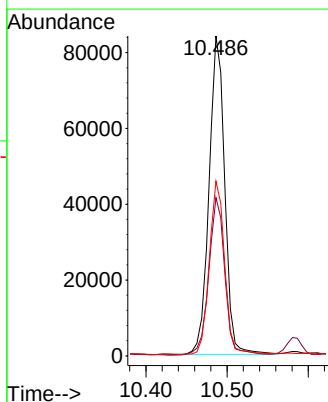
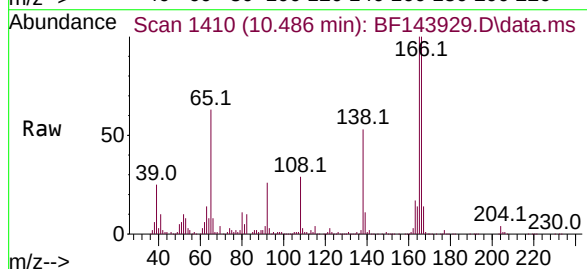
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

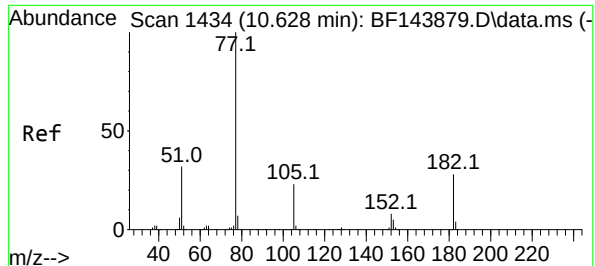
Tgt Ion:204 Resp: 267368
Ion Ratio Lower Upper
204 100
206 33.6 26.6 40.0
141 54.2 40.4 60.6



#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

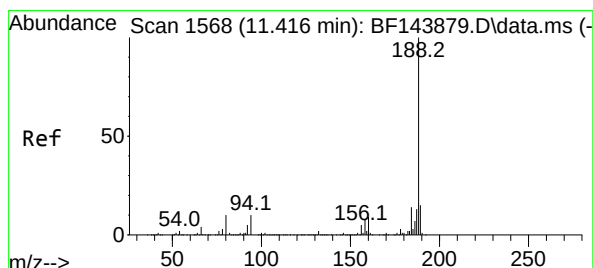
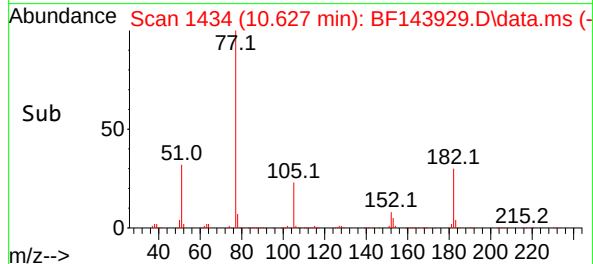
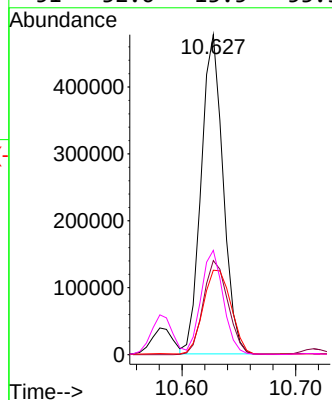
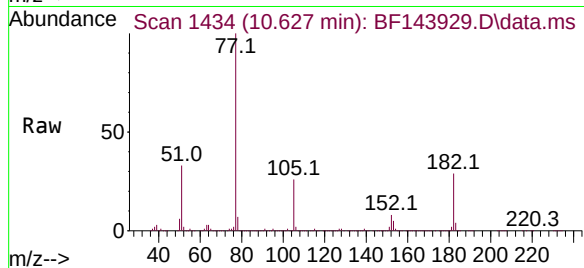




#63
Azobenzene
Concen: 50.224 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

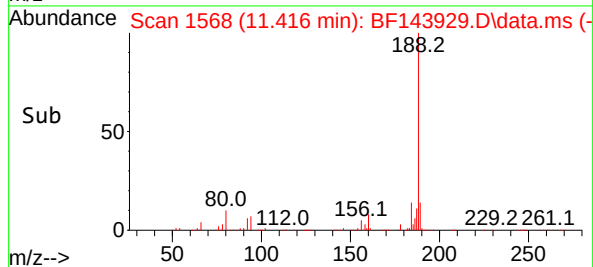
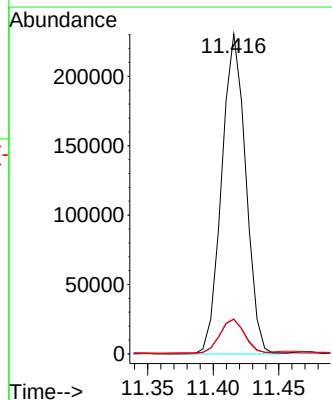
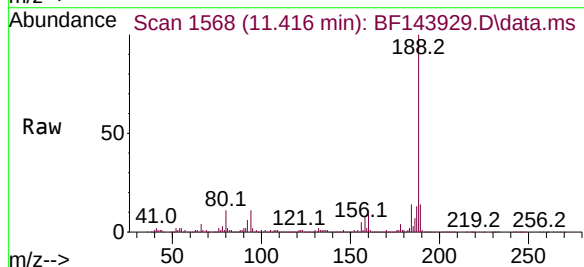
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

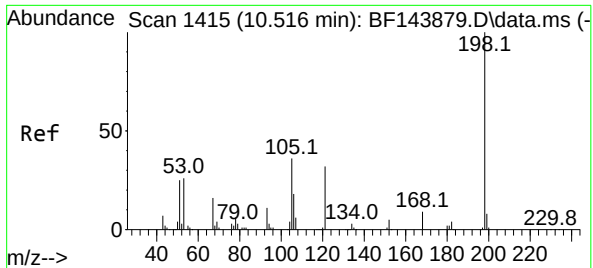
Tgt Ion: 77	Resp: 639220
Ion Ratio	Lower Upper
77 100	
182 29.4	7.3 47.3
105 26.4	3.0 43.0
51 32.6	13.5 53.5



#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

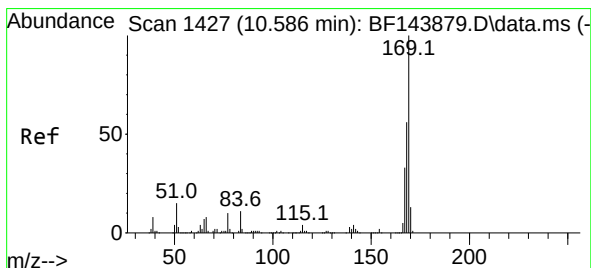
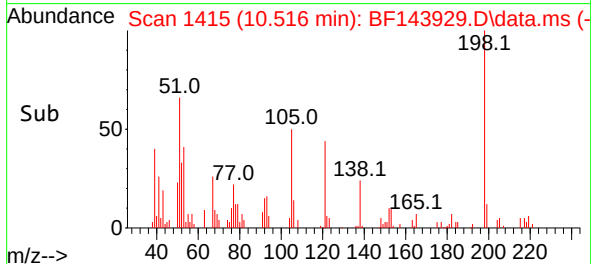
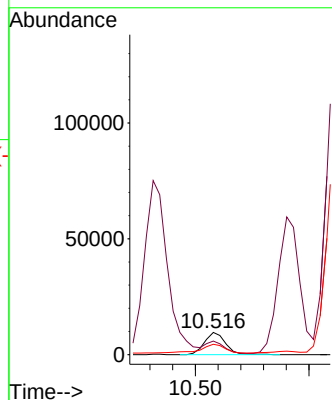
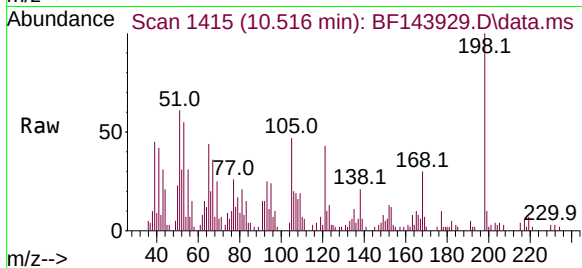




#65
4,6-Dinitro-2-methylphenol
Concen: 8.240 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

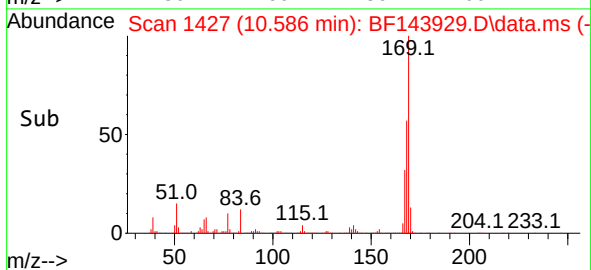
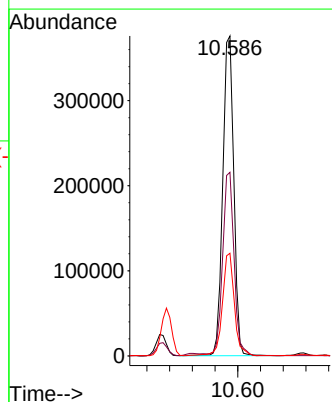
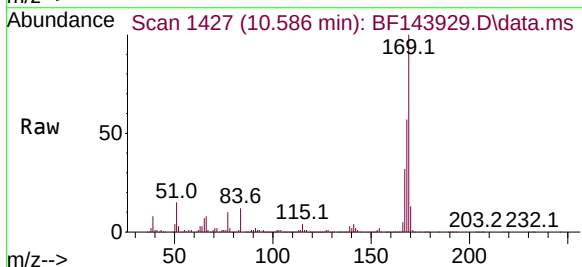
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

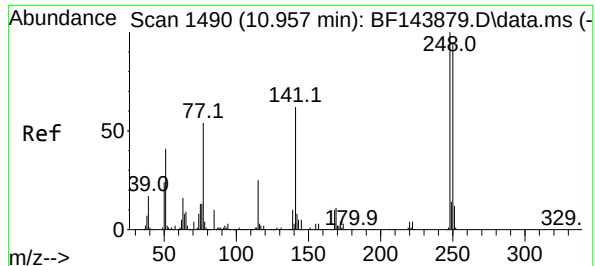
Tgt Ion:198 Resp: 12180
Ion Ratio Lower Upper
198 100
51 60.9 33.8 73.8
105 47.1 17.0 57.0



#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

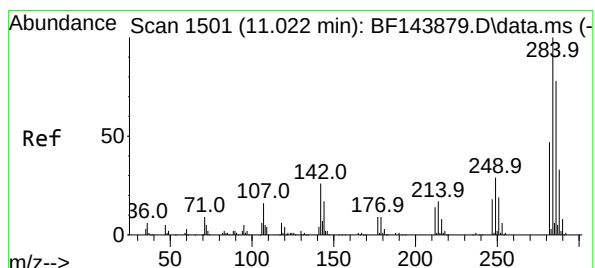
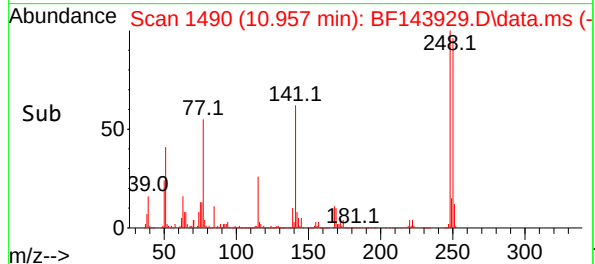
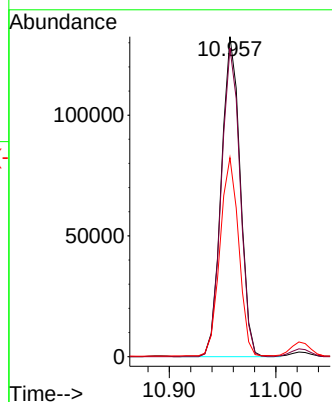
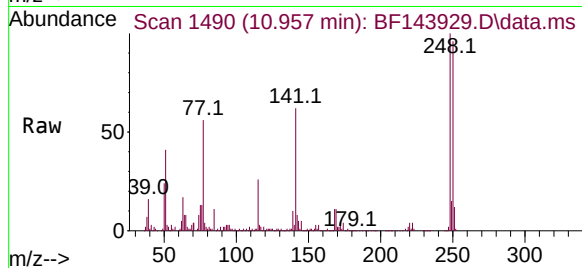




#67
4-Bromophenyl-phenylether
Concen: 50.236 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

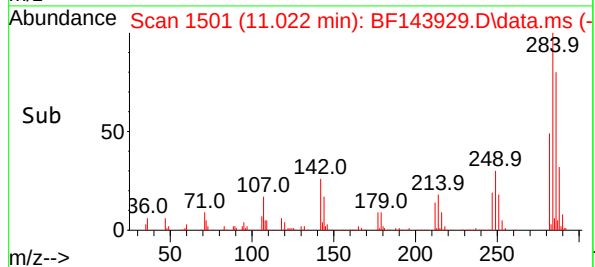
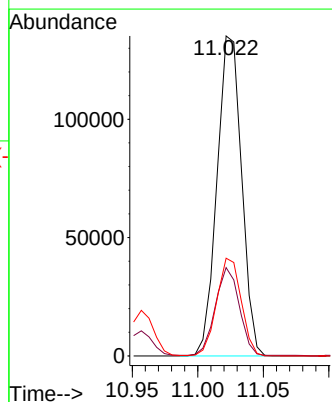
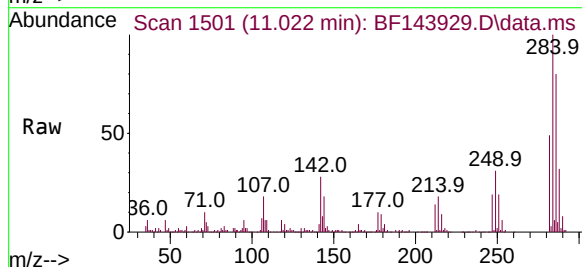
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

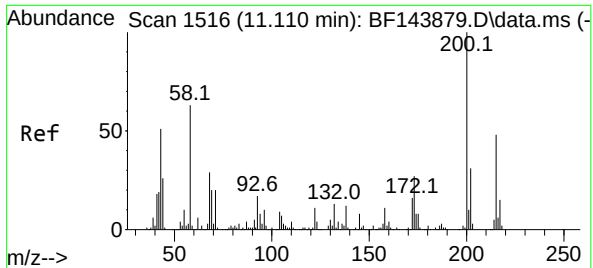
Tgt Ion:248 Resp: 163297
Ion Ratio Lower Upper
248 100
250 96.5 76.3 114.5
141 62.2 49.7 74.5



#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# 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

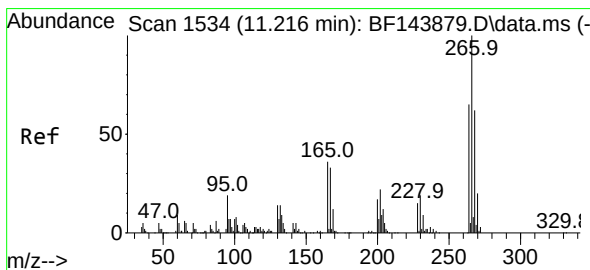
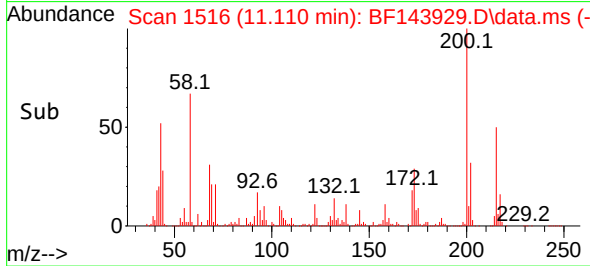
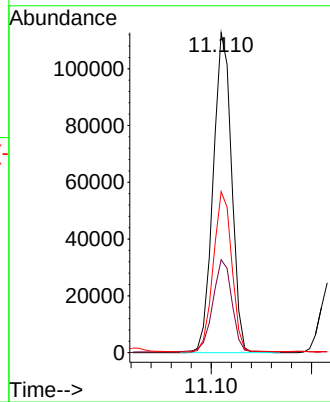
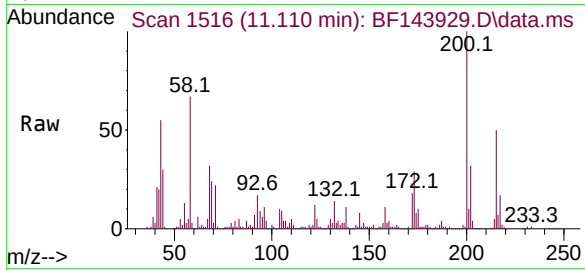
Tgt Ion:200 Resp: 143934

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

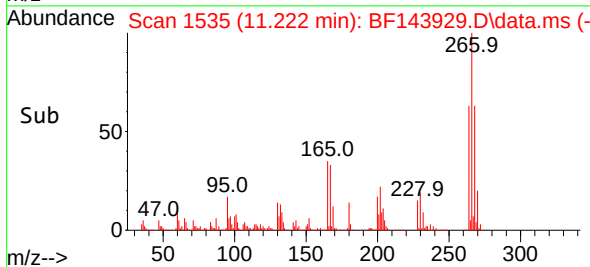
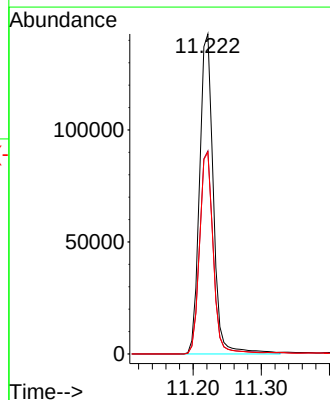
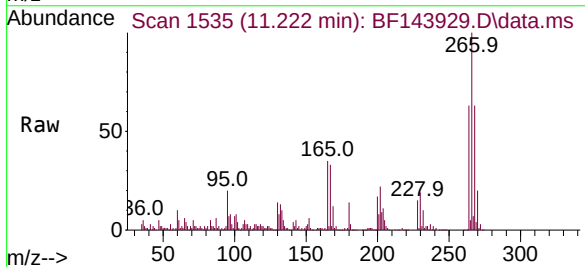
Tgt Ion:266 Resp: 200869

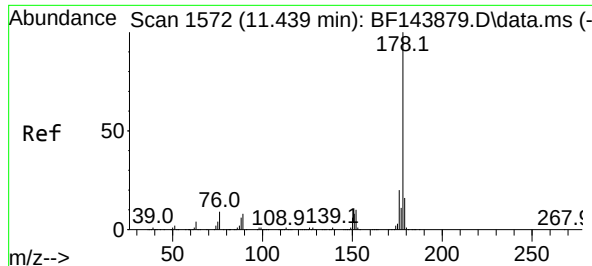
Ion Ratio Lower Upper

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# 1572

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

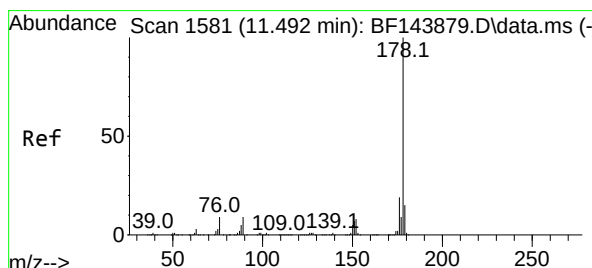
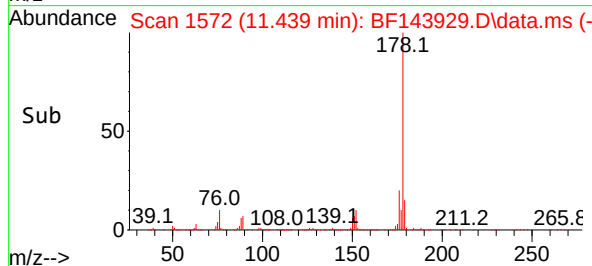
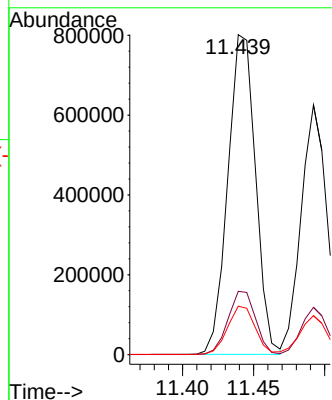
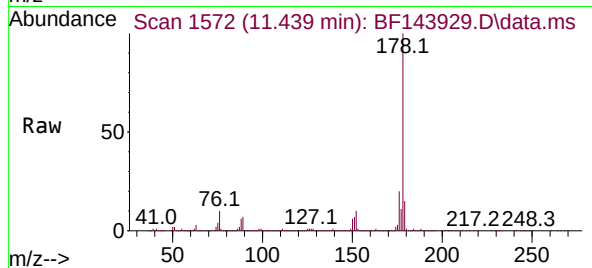
Tgt Ion:178 Resp: 1086924

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

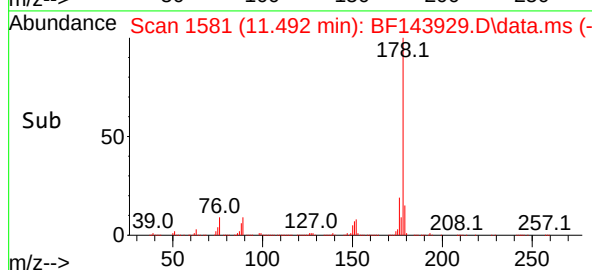
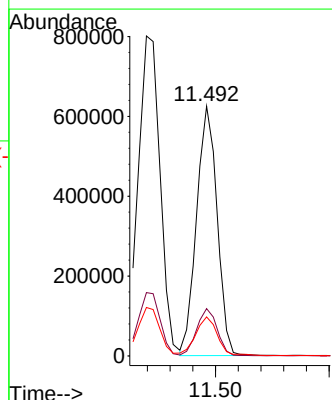
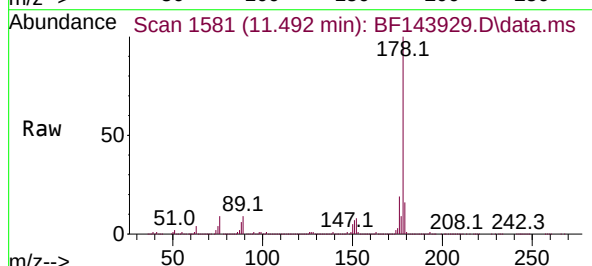
Tgt Ion:178 Resp: 785356

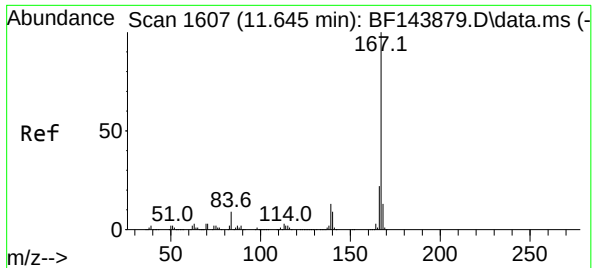
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.6 12.2 18.2

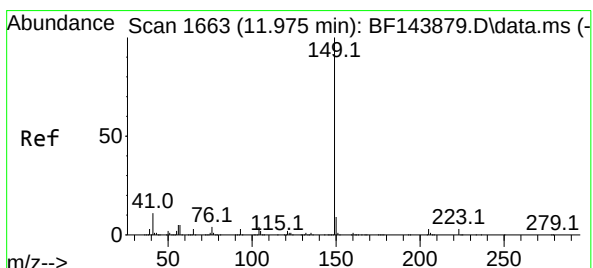
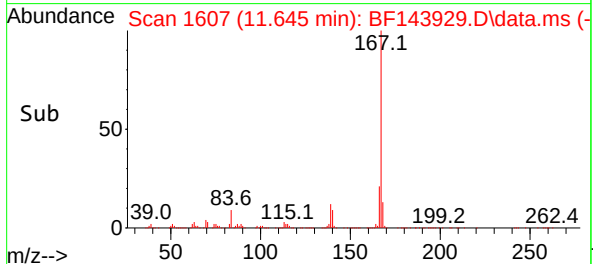
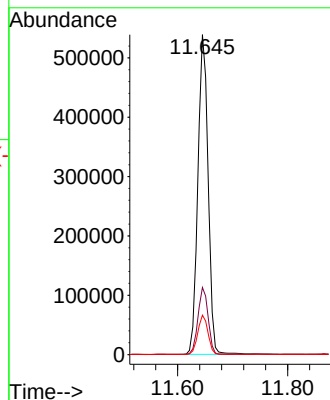
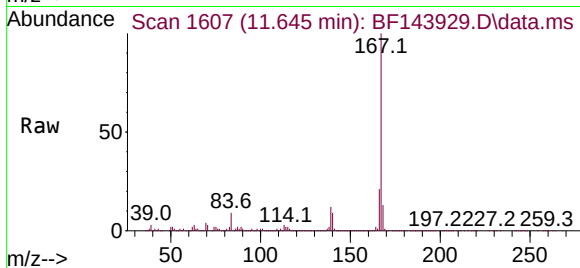




#73
 Carbazole
 Concen: 54.651 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF143929.D
 Acq: 10 Oct 2025 17:18

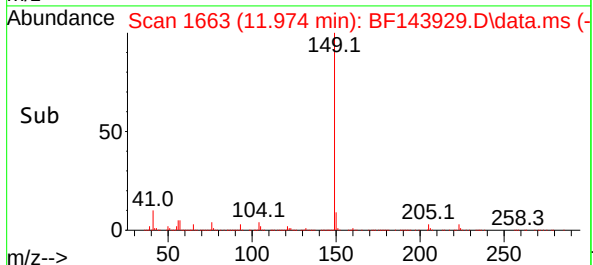
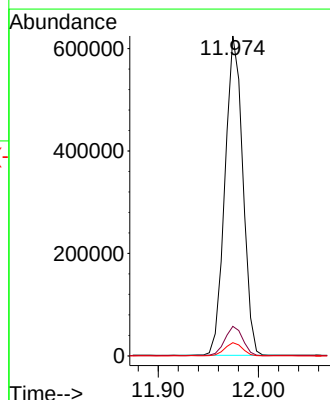
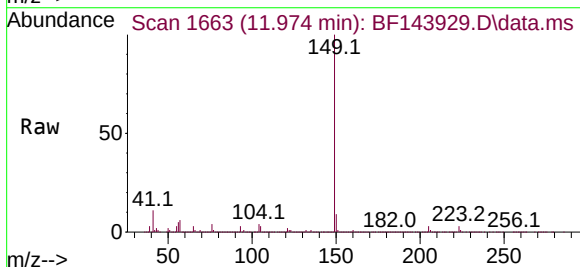
Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MSD

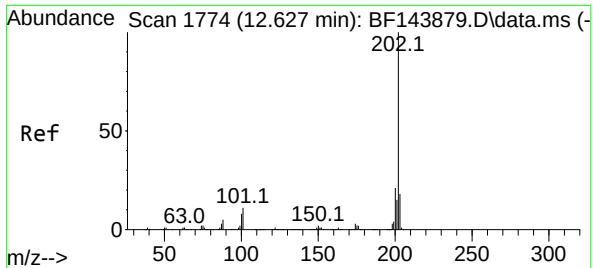
Tgt Ion:167 Resp: 697255
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.3 10.1 15.1



#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

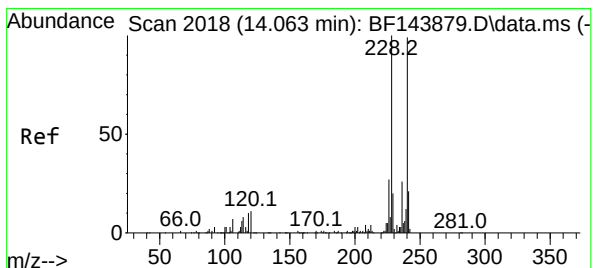
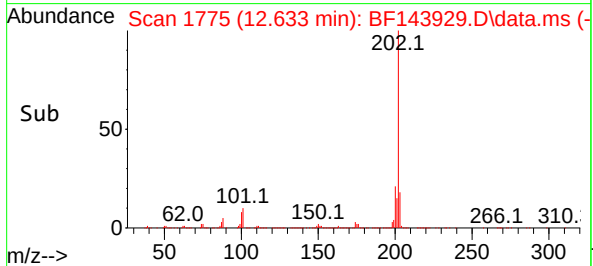
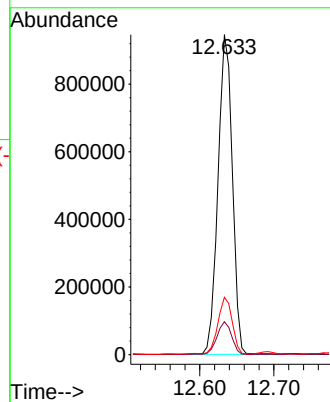
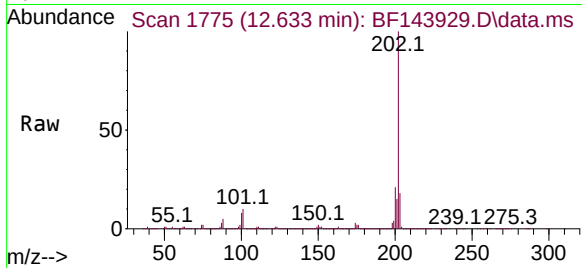




#75
Fluoranthene
Concen: 86.345 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

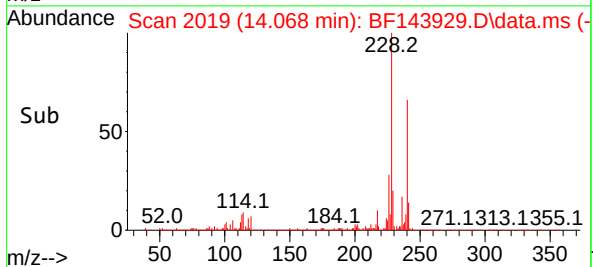
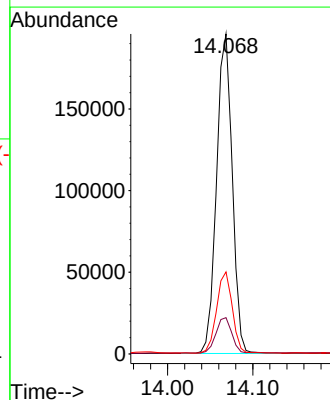
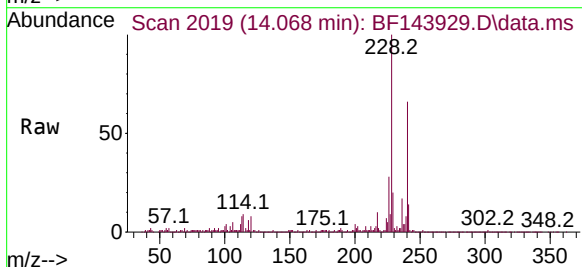
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

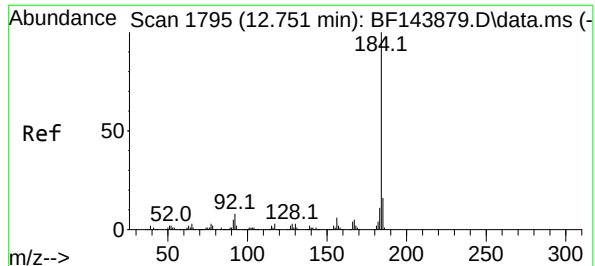
Tgt Ion:202 Resp: 1271771
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 17.9 0.0 37.8



#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# 1795

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

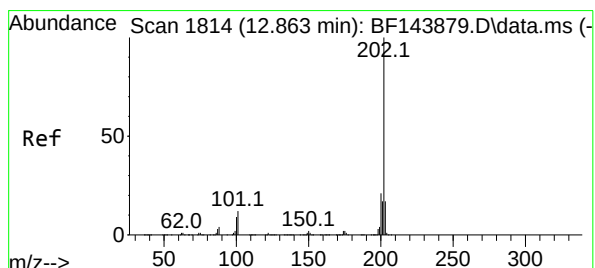
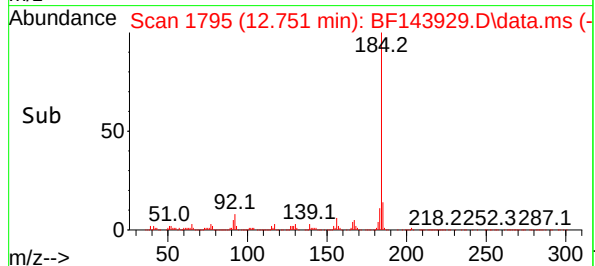
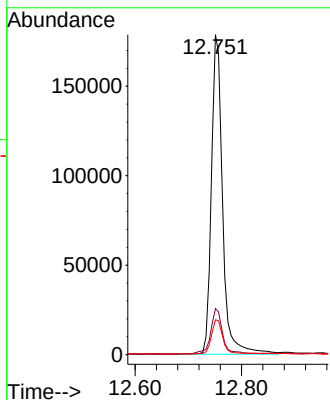
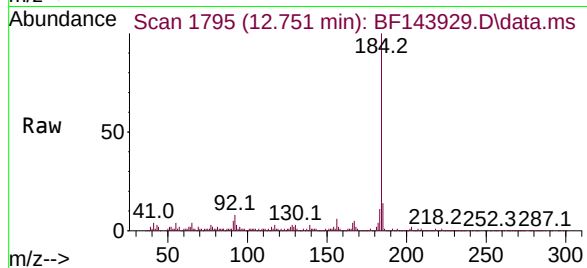
Tgt Ion:184 Resp: 261032

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

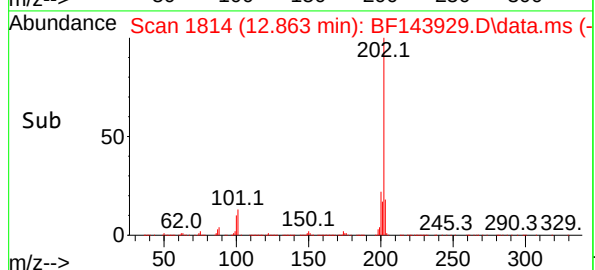
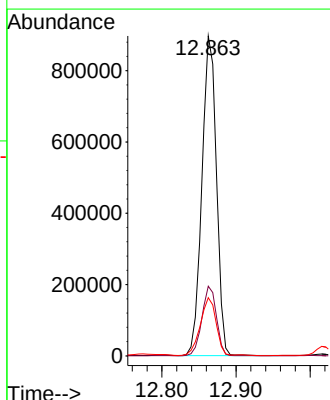
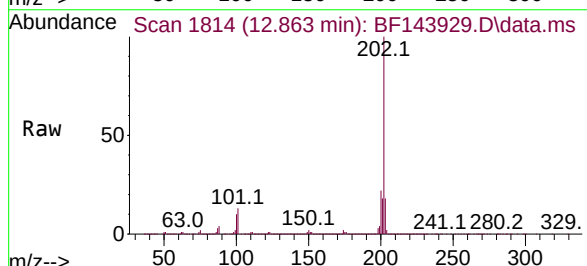
Tgt Ion:202 Resp: 1220247

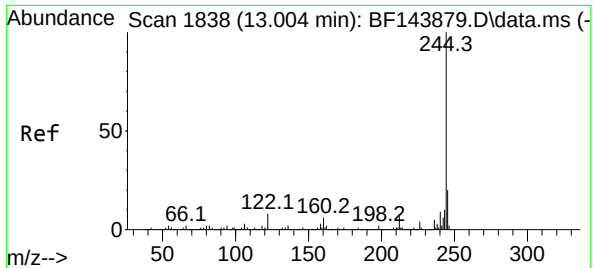
Ion Ratio Lower Upper

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# 1838

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

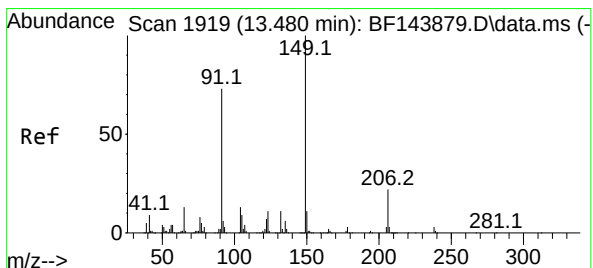
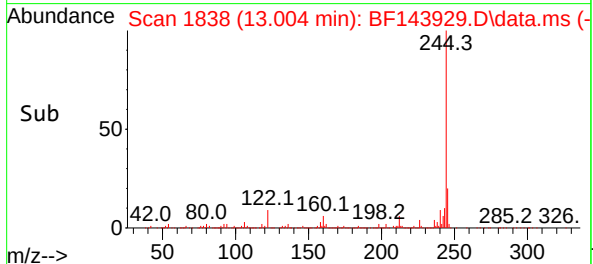
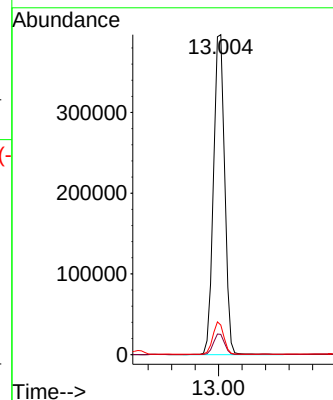
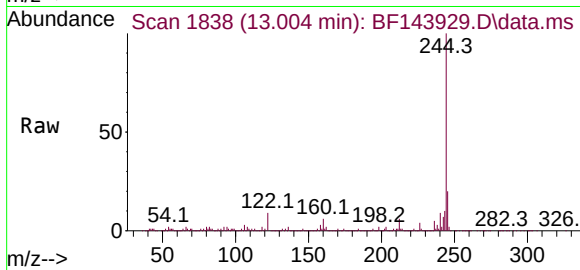
Tgt Ion:244 Resp: 525577

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

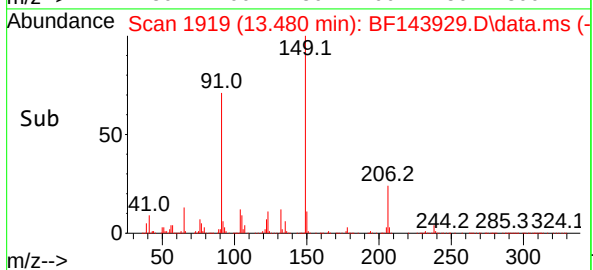
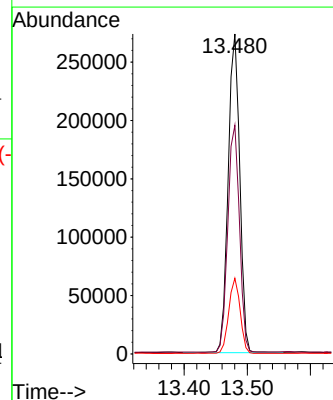
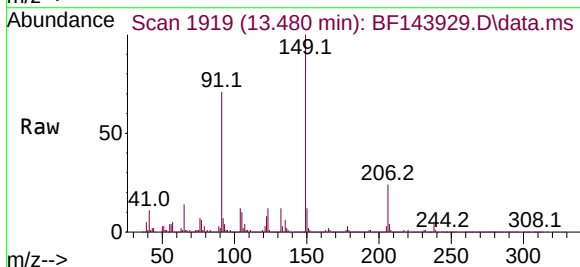
Tgt Ion:149 Resp: 348136

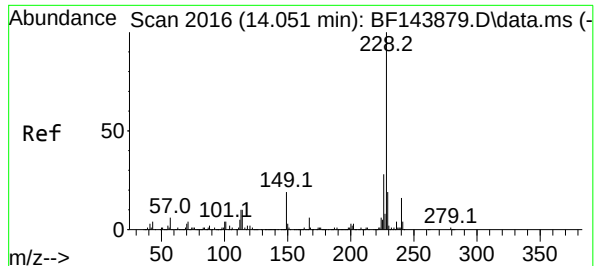
Ion Ratio Lower Upper

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# 2016

Delta R.T. 0.000 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

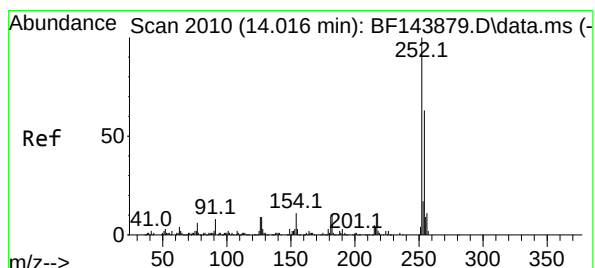
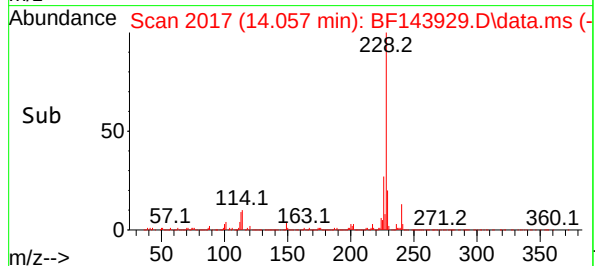
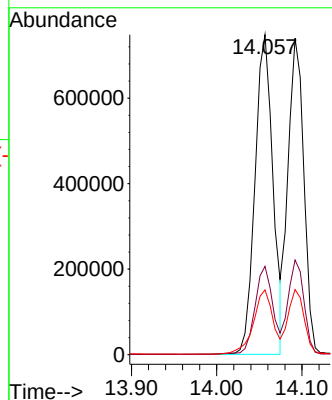
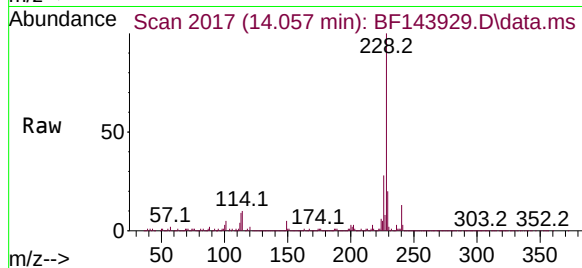
Tgt Ion:228 Resp: 1096245

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

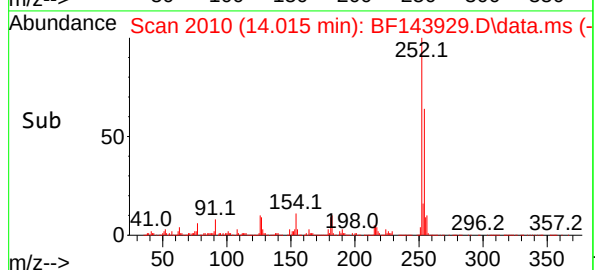
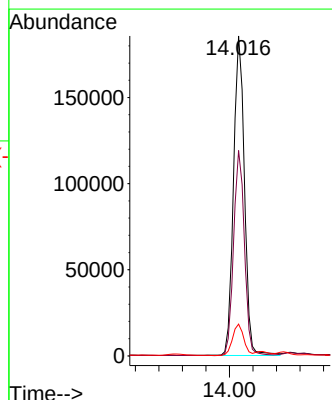
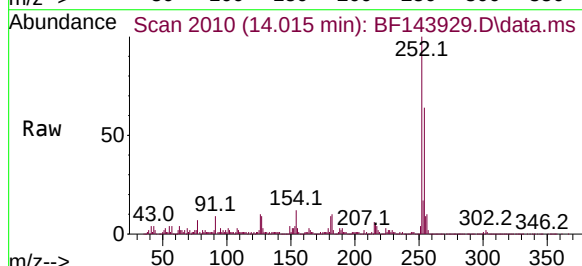
Tgt Ion:252 Resp: 239151

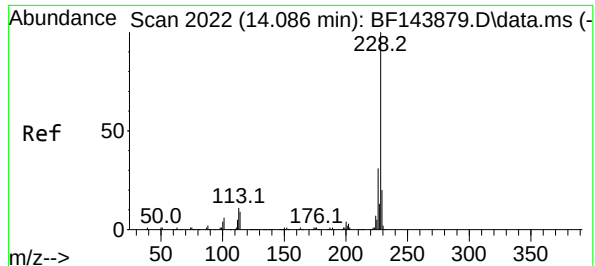
Ion Ratio Lower Upper

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

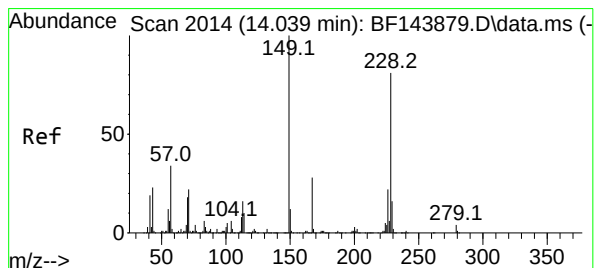
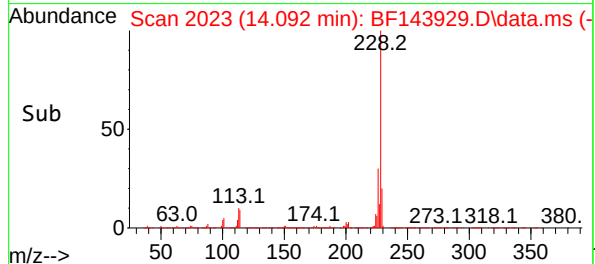
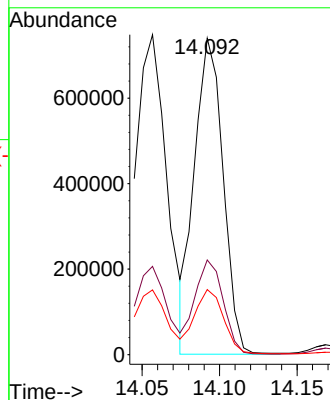
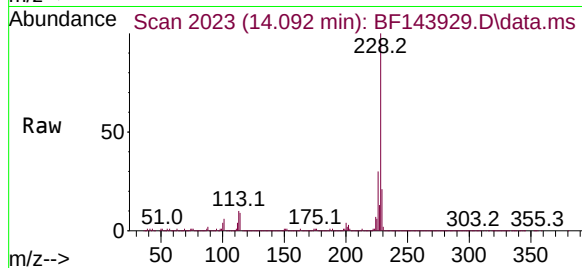
Tgt Ion:228 Resp: 951480

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

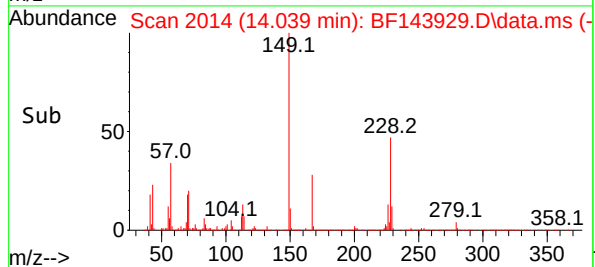
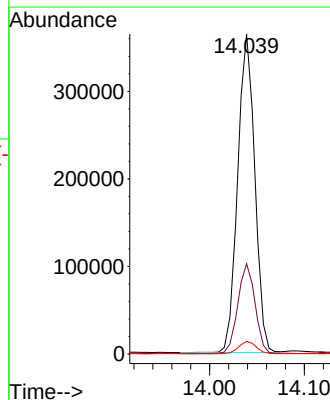
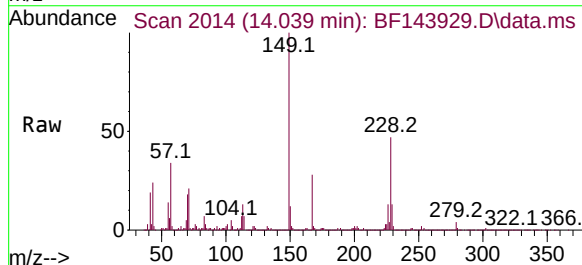
Tgt Ion:149 Resp: 458060

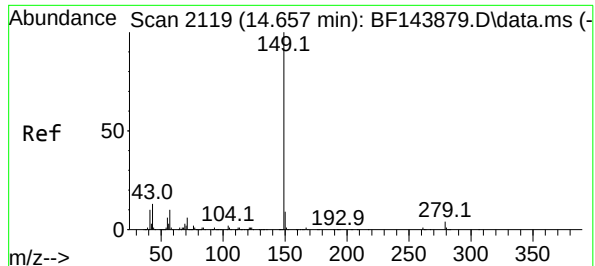
Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.4

279 3.9 3.1 4.7

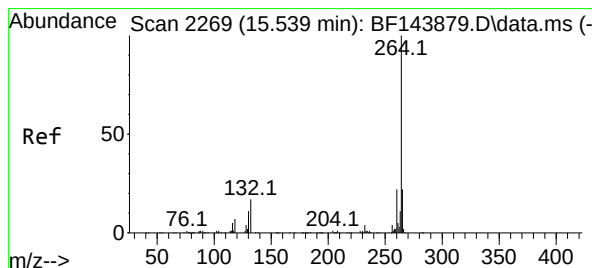
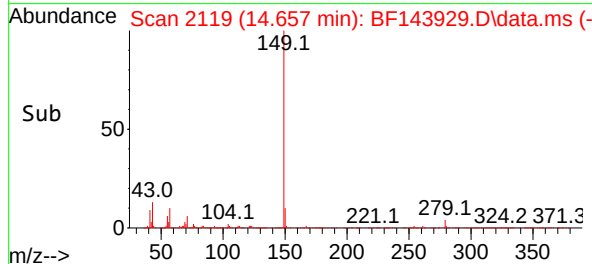
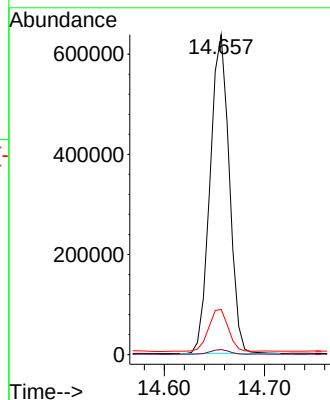
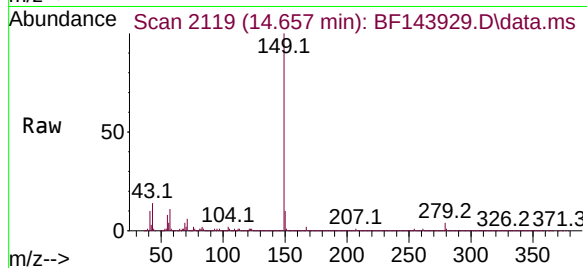




#85
Di-n-octyl phthalate
Concen: 63.066 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

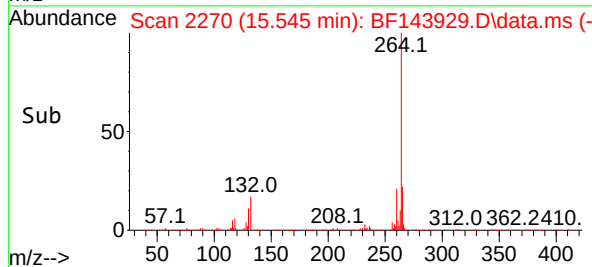
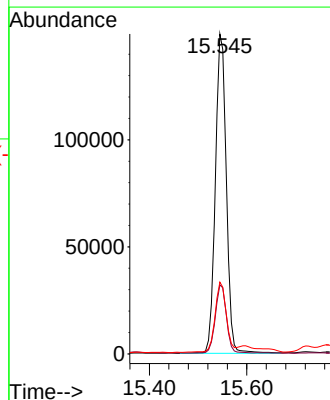
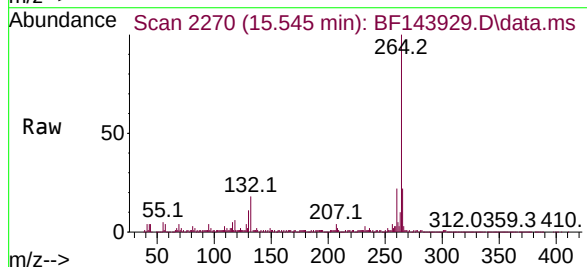
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

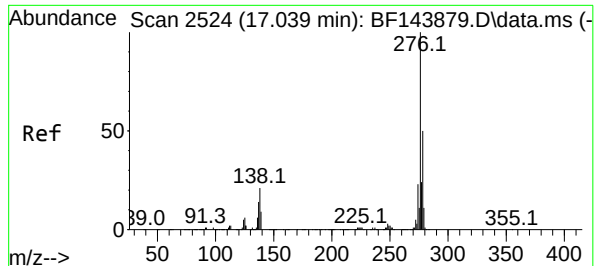
Tgt Ion:149 Resp: 845476
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.6 11.0 16.4



#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# 21

Delta R.T. -0.006 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

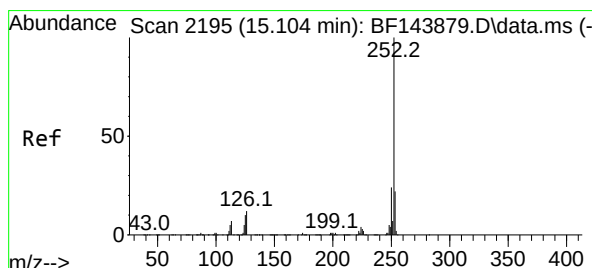
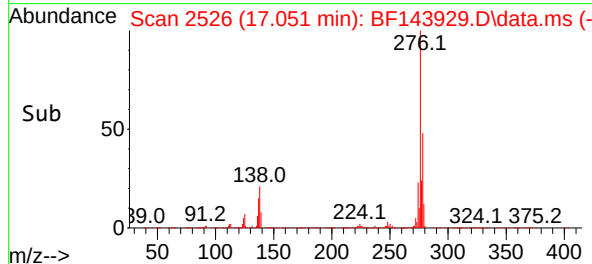
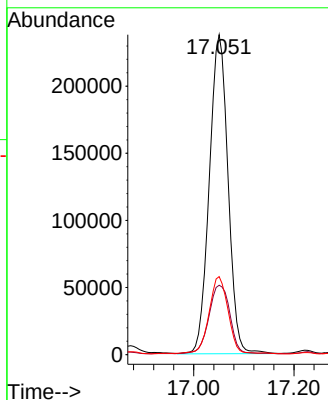
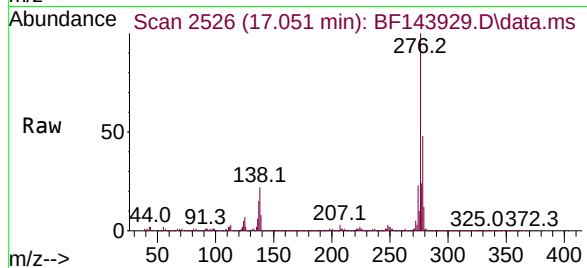
Tgt Ion:276 Resp: 615808

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

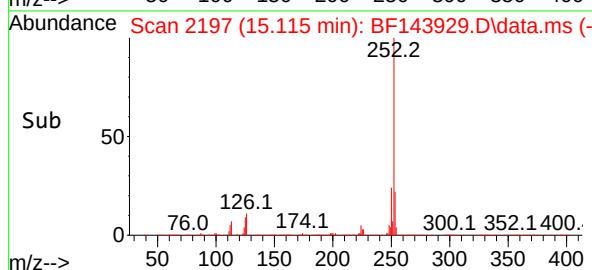
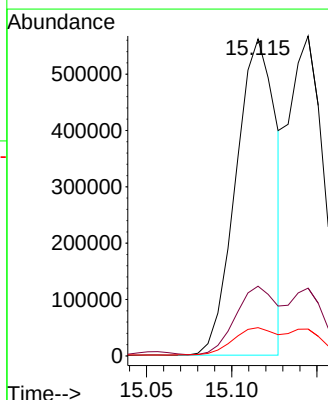
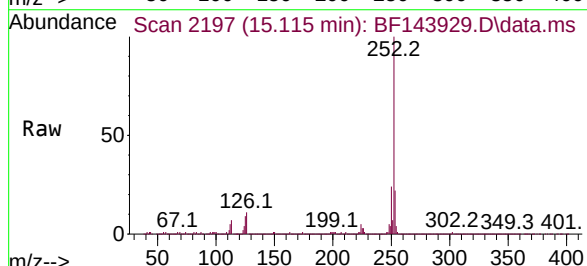
Tgt Ion:252 Resp: 916681

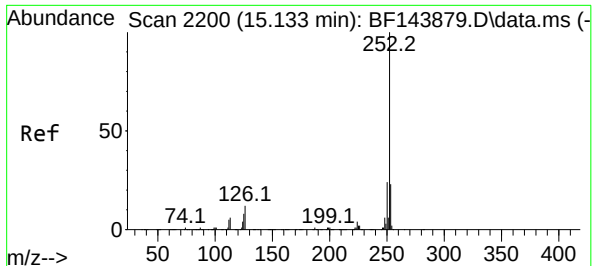
Ion Ratio Lower Upper

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# 2200

Delta R.T. 0.000 min

Lab File: BF143929.D

Acq: 10 Oct 2025 17:18

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1MSD

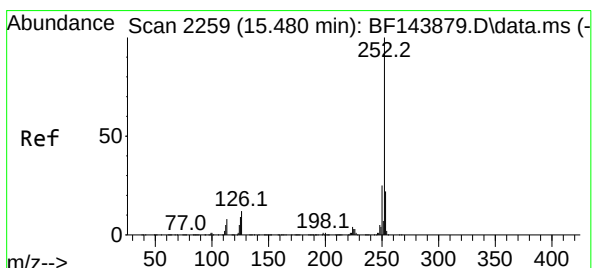
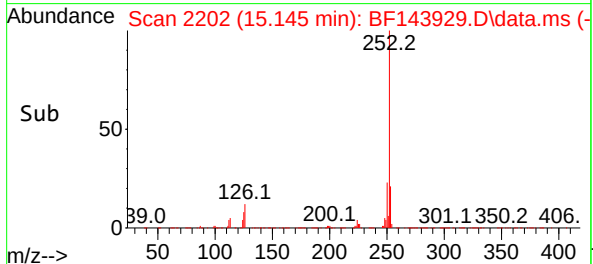
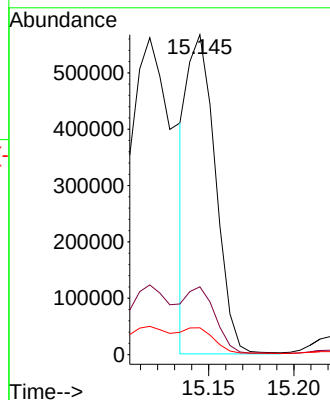
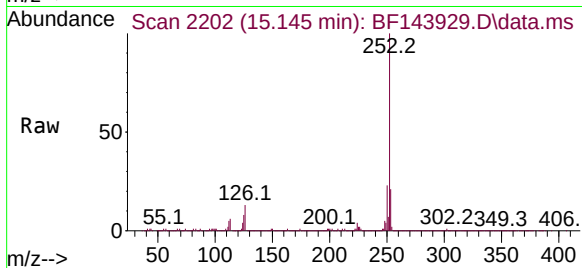
Tgt Ion:252 Resp: 654063

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

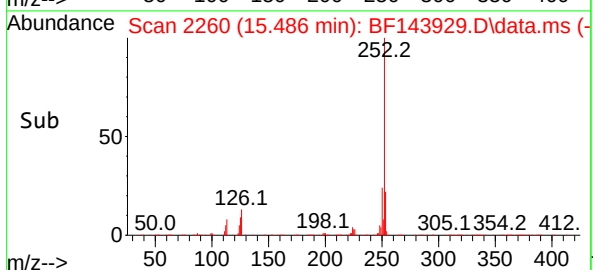
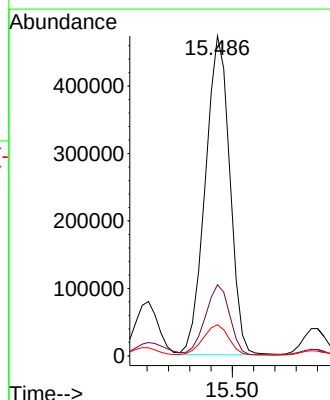
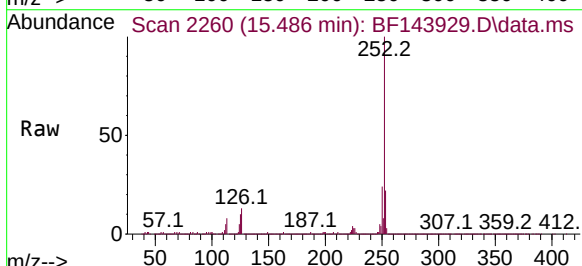
Tgt Ion:252 Resp: 754072

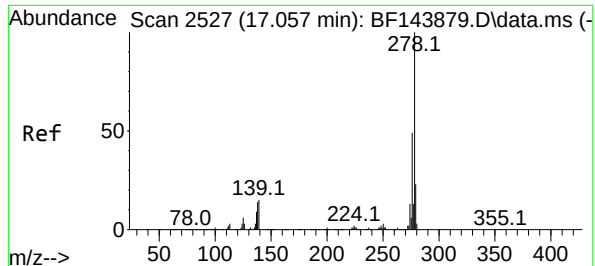
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.7 7.0 10.4

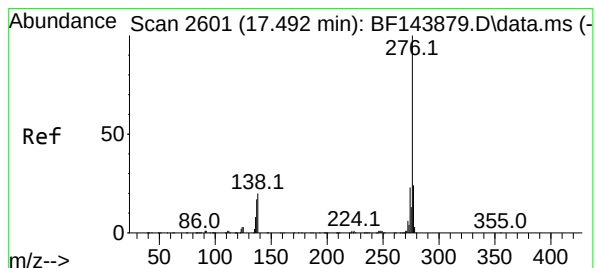
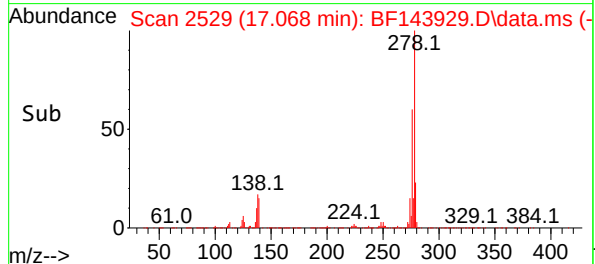
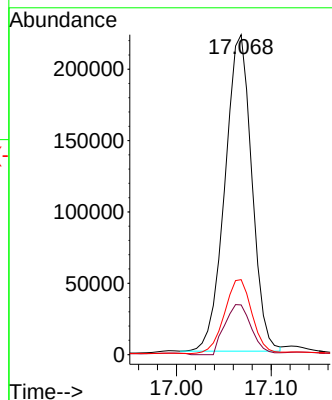
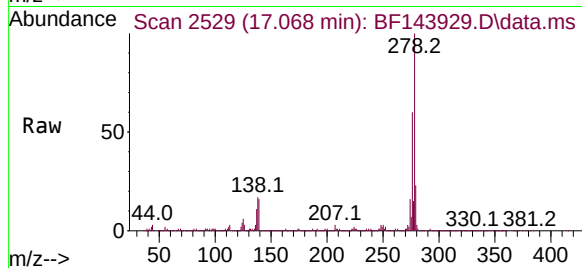




#91
Dibenzo(a,h)anthracene
Concen: 37.889 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF143929.D
Acq: 10 Oct 2025 17:18

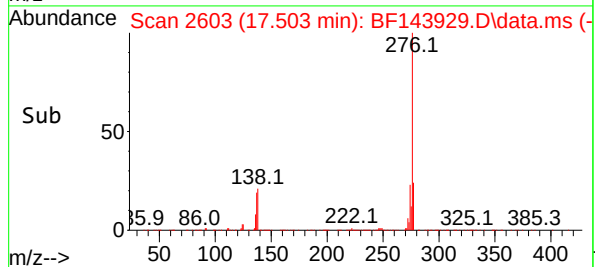
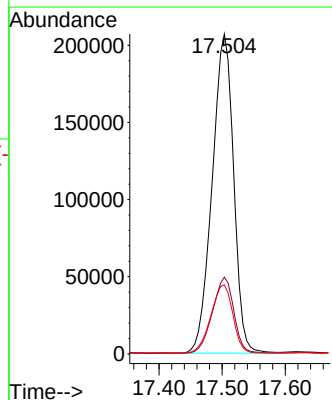
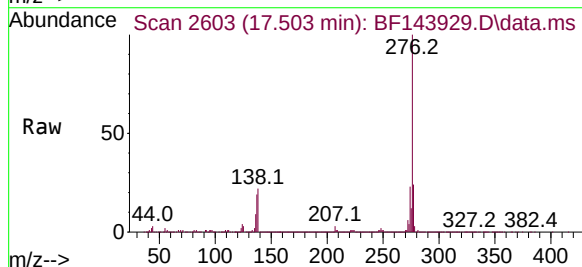
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

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



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

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-Tetrachlorophen ol	Jagrut	10/13/2025 12:27:07 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software

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-Tetrachlorophen ol	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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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]

SOP ID:	M3541-ASE Extraction-15		
Clean Up SOP #:	N/A	Extraction Start Date :	10/10/2025
Matrix :	Solid	Extraction Start Time :	09:35
Welgh By:	EH	Extraction By:	RJ
Balance check:	EH	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	ritesh
Extraction Method:	☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard 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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

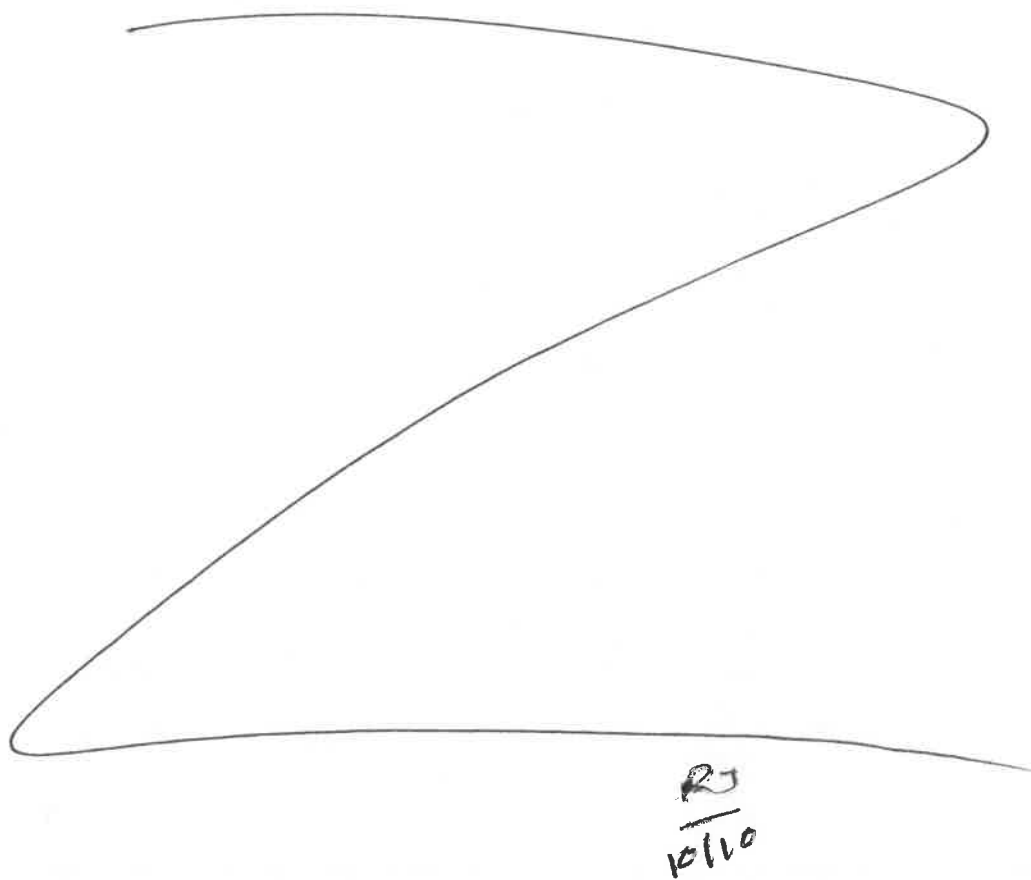
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25	RJ L67L-Lab	Rclsvoc
13:00	Preparation Group	Analysis Group

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
Q3310-01MS D	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



R
10/10

* Extracts reingulshed 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: RS LEXA-(lab)
 Raw Sample Relinquished by: CF

Date/Time 10/10/25 9:45
 Raw Sample Received by: CP
 Raw Sample Relinquished by: RS LEXA-(lab)

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,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2646	09/26/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2	None	Riteshkumar Patel
(EX-SC-2)								

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

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

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

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

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]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

[CS 4978-1]

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]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

[CS 4978-1]

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]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

[CS 4978-2]

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]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13092

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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 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,	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Chromatographic,
CS-347186

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

[CS 4978-1]

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]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

[CS 4978-2]



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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
02/08/23

b1
CG

S 11071
to
S 11075

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 CAS # 123-91-1 Purity 99% (Lot SHBN5929)	2,019.0 µg/mL	+/- 11.8486 µg/mL Gravimetric +/- 43.2570 µg/mL Unstressed +/- 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:

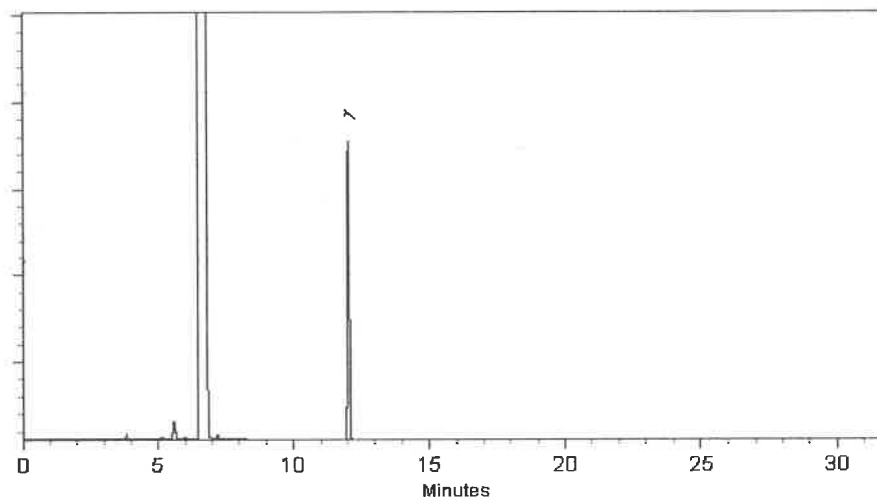
200°C

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

avantors™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) 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

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
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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

avantor™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) 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

Jamie Croak

Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

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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	SiO ₂
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 1/12/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<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™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) 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

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700



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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

51148h
↓
511493
Y.P.
08/10/28

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 Suckal - 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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gravimetric



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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. : 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

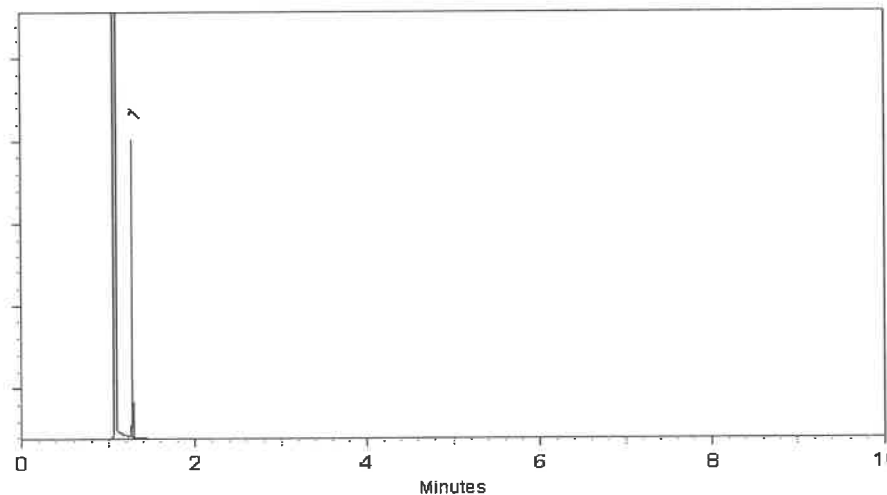
FID

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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. : 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

512187 } RC/
↓
512206 } 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:

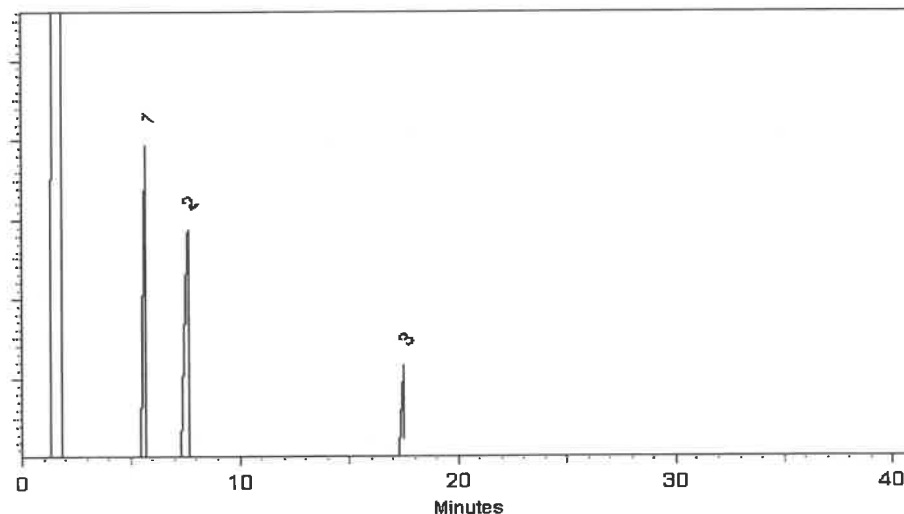
FID

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 A. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

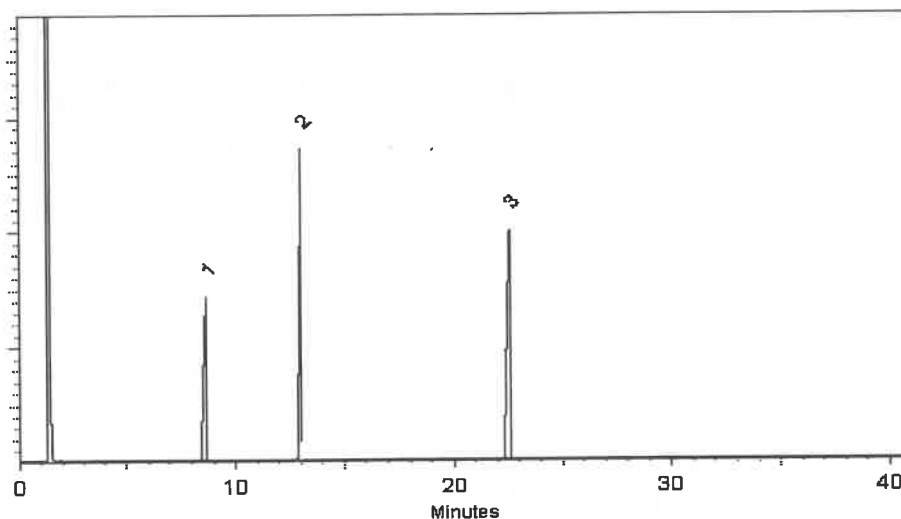
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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

512242 } RC/
↓
512254 } 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:

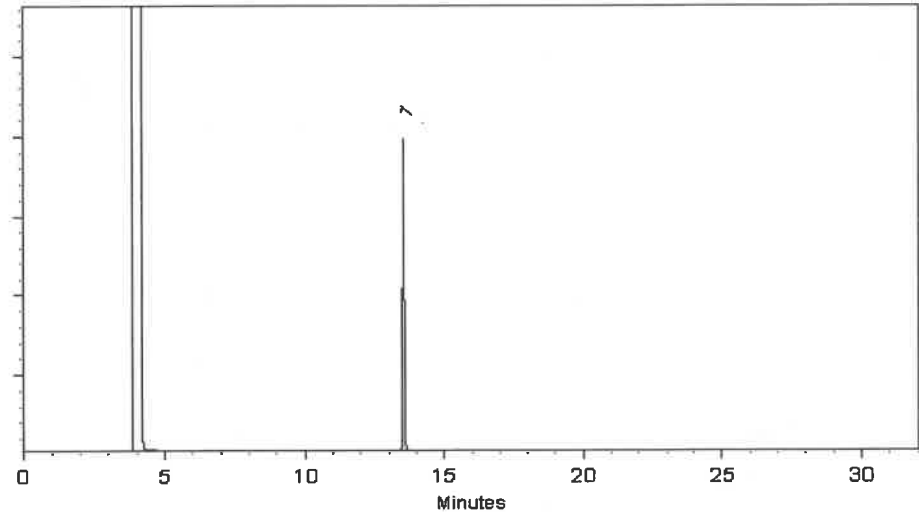
FID

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
Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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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. : 31902 **Lot No.:** A0206859

Description : Additions Standard
Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

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

512302 } RC/
↓
512311 } 5/30/24

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:

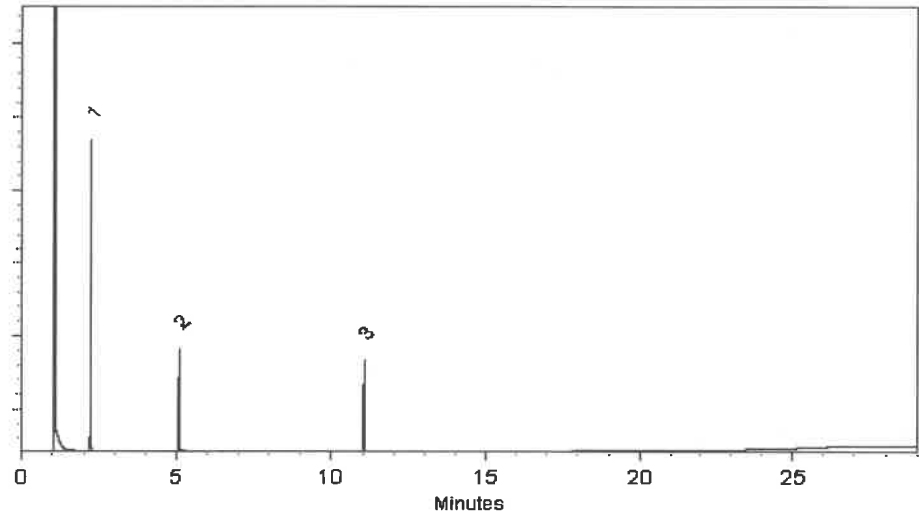
FID

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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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. : 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 } RC/
↓
S12508 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.



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



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2027 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 } RC
↓
S12579 } 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.)

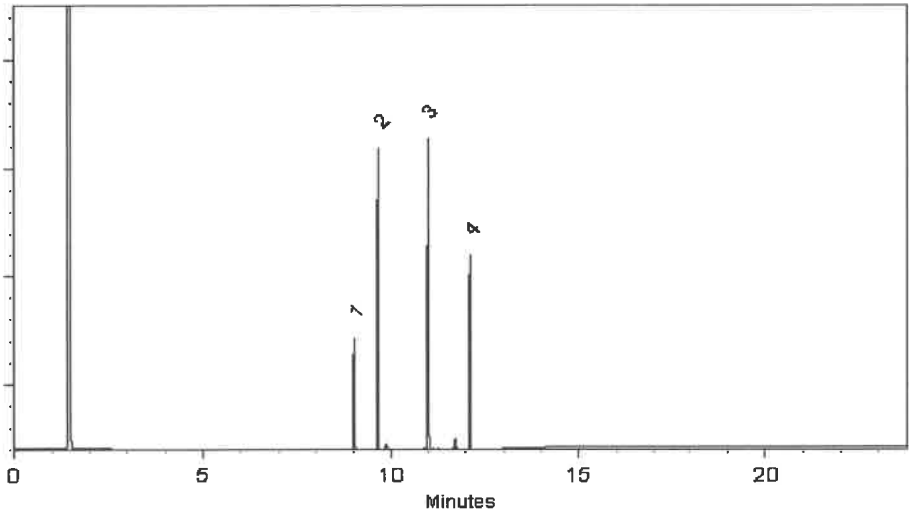
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

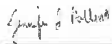
Inj. Vol
1µl



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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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

S12736 } AC
↓
S12754 } 10/9/24

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.



CERTIFIED WEIGHT REPORT

Part Number: **90494**
Lot Number: **061323**
Description: **1-Methylnaphthalene**

Solvent(s): **Lot#**
Methylene chloride **C21F09CAS0000DCM**

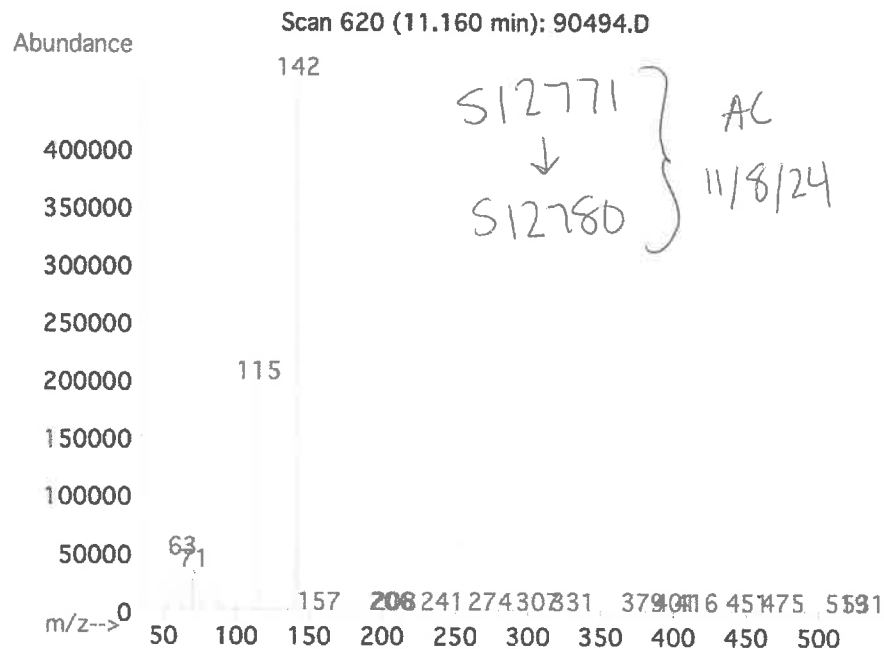
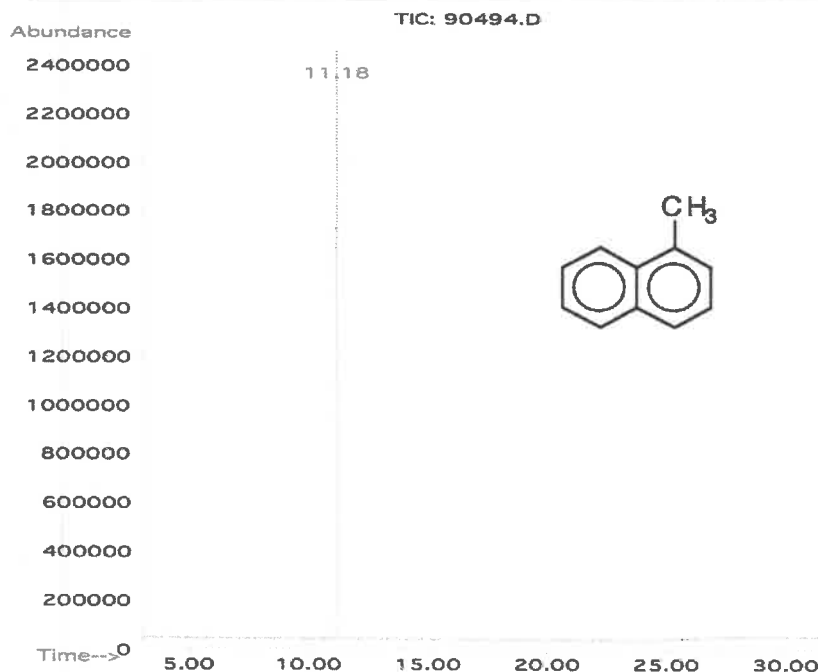
Expiration Date: **061328**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **2000**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **100.0**
5E-05 Balance Uncertainty
0.031 Flask Uncertainty

		061323
Formulated By:	Prashant Chauhan	DATE
		061323
Reviewed By:	Pedro L. Rentas	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	ori-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.



- 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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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

513088 }
↓
513117 } 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	1
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516	3
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980	5
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793	7
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269	9
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975	10
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566	11
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757	13
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584	14
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475	15
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888	16
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616	17
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489	18
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:

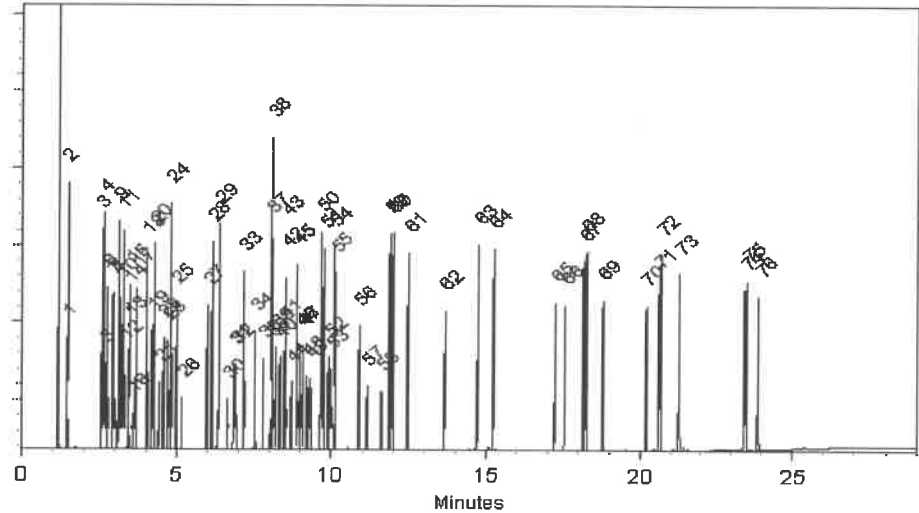
FID

Split Vent:

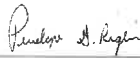
100 ml/min.

Inj. Vol

1µl

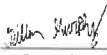


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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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Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC/
↓
513147 } 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:

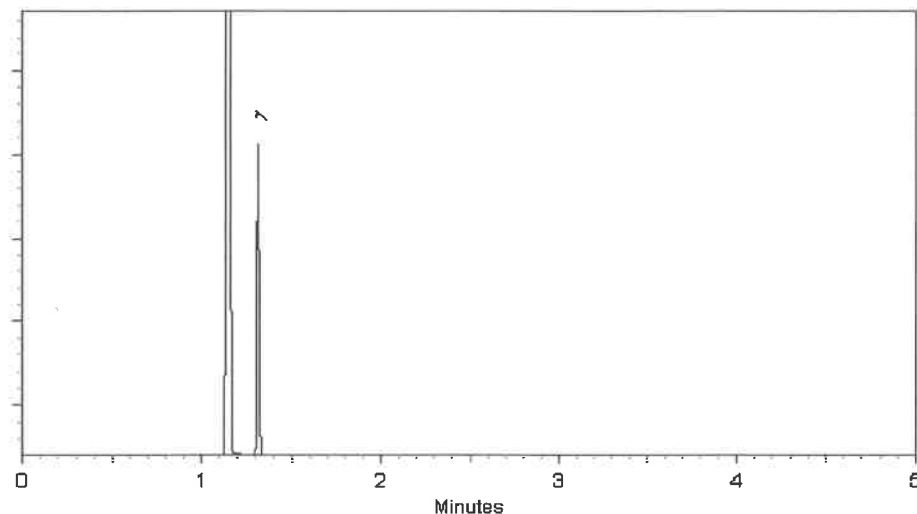
FID

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
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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. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard
Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

513158 } RC/
↓
513167 } 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025

Balance: C322230531

REVIEWED
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

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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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. : 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

S13198
↓
S13207 } AC
6/11/25

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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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. : 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 } AC
↓
S13218 } 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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chromatographic



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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. : 582978

Lot No.: A0228192

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

513229 } RC/
↓
513238 } 8/1/25

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:

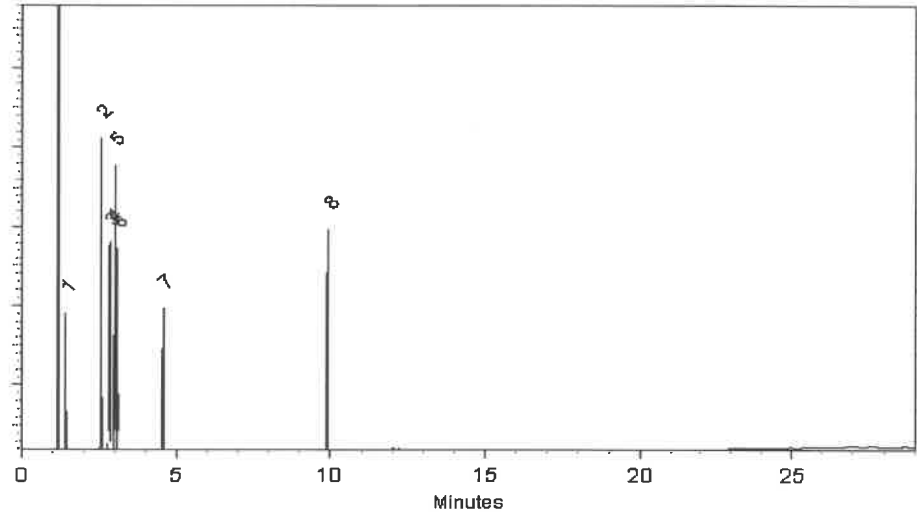
FID

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
Wilner Torres - Operation Tech I

Date Mixed: 27-Jul-2025

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Jul-2025

REVIEWED
By: [Signature] Murphy at 10:51 pm, Jul 30, 2025

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Certificate #FM 80397



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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. : 555223 **Lot No.:** A0228451

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - 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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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.: A0228494

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

513269 } RC1
↓
513298 } 08/06/25

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

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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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. : 555869 **Lot No.:** A0201702
Description : Custom Hexachlorocyclopentadiene Standard
Custom Hexachlorocyclopentadiene 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

513148
↓
513157 } RC
11/13/23

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
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- 14
- 15
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- 17
- 18

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

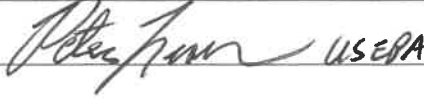
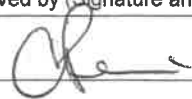
Cooler #: 1

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 Analyses	 USEPA	10/8/25 1600H		10/9/25 10:00	IR Gun #1 3.4

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

[illegible]

SAMPLES TRANSFERRED FROM	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
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83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

CHAIN OF CUSTODY #

Special Instructions:

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES FULL ANALYSIS	 USEPA	10/8/25 1600 hr		1000 10/9/25	IR Gun #1 3.4

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3321	ROYF02	Order Date : 10/9/2025 10:30:00 AM	Project Mgr :
Client Name : Weston Solutions, Inc.		Project Name : RFP 905-918	Report Type : Level 4
Client Contact : Smita Sumbaly		Receive DateTime : 10/9/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Weston Solutions, Inc.		Purchase Order : 10:00	Hard Copy Date :
Invoice Contact : Smita Sumbaly			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